Polychrome Research and Development Site
WESTCHESTER COUNTY

YONKERS, NEW YORK

Periodic Review Report
April 30, 2024 to April 30, 2025

BCP Site Number: C360099
AKRF Project Number: 180017

Prepared for:

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MAY 2025

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P.E. CERTIFICATION

I, Rebecca Kinal, am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) dated December 2019, and I certify that the documentation of site management activities is accurately presented in the April 30, 2024 to April 30, 2025 Periodic Review Report for the Polychrome Research and Development Site (BCP Site No. C360099).

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

1. The institutional control or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER), with the exceptions cited in this Periodic Review Report;
2. Nothing has occurred that would impair the ability of such institutional control and engineering control to protect public health and the environment;
3. Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
4. Access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of these controls.

5/28/25

NYS Professional Engineer #082046-1 Date

STATE OF NEW YORK
REBECCA A. KINAL
082046-1
LICENSED PROFESSIONAL ENGINEER

Signature

EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is a required element of the Site Management Plan (SMP) for the Polychrome Research and Development Site (also known as "Polychrome West" or "Building 2") located in Yonkers, New York (hereinafter referred to as the "Site"). The Site is approximately 3.1 acres and is located at 137-145 Alexander Street, City of Yonkers, Westchester County, New York. The Site is also identified on the City of Yonkers Tax Map as Section 2, Block 2615, Lots 1 and 29. The Site is in the New York State Brownfield Cleanup Program (BCP) as Site No. C360099, which is administered by the New York State Department of Environmental Conservation (NYSDEC).

Alex II West, LLC entered into a Brownfield Cleanup Agreement (BCA) (Index No. C360099-07-02) with NYSDEC on September 19, 2012 to remediate the Site as a Volunteer. The BCA was amended on April 13, 2016 to include Avalon Yonkers Sun Sites, LLC (Avalon) as a Volunteer. Collectively, Alex II West, LLC and Avalon are hereinafter referred to as the Volunteers. The Site was remediated in accordance with the December 2019 Final Engineering Report (FER) and received its Certificate of Completion (COC) on December 31, 2019.

After completion of the remedial work, some residual contamination remained at the Site, hereafter referred to as "Remaining Contamination." Institutional Controls and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to Remaining Contamination and ensure protection of public health and the environment. An Environmental Easement granted to NYSDEC and recorded with the Westchester County Clerk requires compliance with the SMP and all associated ECs and ICs.

AKRF revised the SMP in May 2024 to incorporate the updated NYSDEC-approved non-aqueous phase liquid (NAPL) gauging/removal schedule and groundwater sampling frequency modifications as outlined in the 2024 PRR. The sub-slab depressurization system (SSDS) inspection forms included in the revised SMP were also revised to reflect the constructed configuration of the system and normal flow rate operating range. On July 23, 2024, the NYSDEC approved the revised May 2024 SMP via email.

This PRR was prepared for the period from April 30, 2024 to April 30, 2025 to document site management activities following Site redevelopment. Annual PRR submission will be completed by May 30th following the reporting period, unless otherwise approved or directed by NYSDEC.

The purpose of this PRR is to document the site management activities associated with the Site's ECs and ICs and to certify that the controls are being implemented in accordance with the SMP. Specifically, this PRR documents the environmental management activities performed following Site redevelopment, which included the following: an annual inspection of the permanent Site-wide Cover System; the annual routine/detailed inspection of the SSDS; annual groundwater sampling; NAPL well monitoring and recovery [specifically coal tar or dense non-aqueous phase liquid (DNAPL)]; and non-hazardous and hazardous investigation derived waste (IDW) disposal. The environmental management activities were performed in compliance with the revised May 2024 SMP.

The following monitoring events occurred during this reporting period and are required for the next reporting period, as outlined below:

SMP Monitoring Plan Schedule

Monitoring Program	Frequency*	Monitoring Parameter	Inspection or Means	Date Completed
Site-wide Inspection	Annually	Site-wide Surface Conditions	Visual inspection of observable surface conditions and condition of exposed ECs	12/11/2024
SSDS Routine/ Detailed Inspections	Quarterly (first year)/ Annually (after first year)	Flow Rate (each riser)	Visual inspection of flow sensor to confirm within operating range [40 to 100 cubic feet per minute (cfm)]	12/11/2024 (Annual)
		Applied Vacuum Reading (blower)	Visual inspection of magnehelic gauges to confirm within operating range (0.5 to 10 inches of H_2O)	12/11/2024 (Annual)
		Induced Vacuum (vacuum monitoring points)	Visual inspection of monitoring points to confirm within operating range (a minimum of 0.005 inches of H_2O)	12/11/2024 (Annual)
Groundwater Sampling	Annually/ Triennially	Residual Site-wide Subsurface Contamination	Sampling of MW-D (annually) and MW-A, MW-B, MW-C, MW-E, and MW-F (triennially) for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) using low flow methodology	12/12-13/2024 (MW-A through MW-D)
Recovery Well Gauging & Coal Tar Recovery	Biweekly/ Monthly/ Quarterly/ Annually	DNAPL Thicknesses and Recovery	Gauging/Recovery of coal tar from NW-1 through NW-12; Coal tar recovery required when >6" of DNAPL present	04/24 to 04/25 (Quarterly/ Annually)

SSDS

Routine and detailed operations inspections were performed during the annual SSDS inspection on December 11, 2024, to identify/rectify any operations-based maintenance items, such as malfunctioning SSDS risers, piping runs, and/or other system components. Operation inspection items included:

- Confirmation that the blower (fan) is operating and air is discharging through the exhaust stack on the roof;
- Confirmation that the vacuum gauge on the SSDS riser is clean and within normal range;
- Confirmation that the flow sensor on the SSDS riser is clean and within normal range;

- Confirmation/assessment of blower performance and integrity (including assessing the necessity for a replacement);
- Confirmation that the induced vacuum readings at MP-1 though MP-3 are within normal ranges; and
- Confirmation/assessment of the structural integrity of concrete floor slabs overlying constructed SSDS piping runs.

Results of the SMP Monitoring Plan and Operation and Maintenance (O&M) Plan inspections are detailed below.

Site-wide Inspection

An annual Site-wide Inspection was performed by AKRF on December 11, 2024. The Site-wide Inspection included a visual inspection of observable surface conditions for evidence of damage (e.g., cracking, holes, etc.). The Site-wide Cover System was observed in good condition throughout all portions of the Site. Minor evidence of surficial cracks, none of which breached the Site-wide Cover System, were observed in the parking garage during the inspection, and no corrective measures were necessary.

SSDS Inspection

The SSDS is functioning as designed. The flow rate (211 cfm) and applied vacuum reading (0.80 inches H_20) on the SSDS vertical riser were all within acceptable ranges as per the SMP. The induced vacuum readings at the SSDS monitoring points (0.075 to 0.495 inches of H_20) were well above the minimum readings required in the SMP.

Groundwater Sampling

The December 2024 annual groundwater sampling analytical results indicated a reduction in coal tar related contaminant concentrations, specifically naphthalene and phenol, with only naphthalene as a VOC reported above the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) at MW-D. As noted in the FER, remnant coal tar DNAPL contamination is present at the Site and is removed from on-Site DNAPL wells regularly by Con Ed, which likely impacts the Site's shallow groundwater quality (especially at MW-D due to its proximity to NW-5).

The 2024 annual sampling results continue to show reductions in the concentrations of coal tar related contaminants, with the presence of these contaminants limited to the southwestern portion of the Site, as reported in the groundwater sample collected at MW-D. Based on the annual sampling results, AKRF recommends continued groundwater monitoring on an annual basis at MW-D for target compound list (TCL) VOCs by EPA 8260 and TCL SVOCs by EPA 8270D, with discontinued sampling at the remaining on-site wells.

Recovery Well Gauging and Coal Tar Recovery

During the reporting period, Con Ed, in consultation with NYSDEC, performed routine DNAPL gauging in accordance with NYSDEC guidance and approvals at NW-1, NW-3, NW-4, NW-5, NW-6, NW-7, NW-8, NW-9, NW-10, NW-10S, NW-11, and NW-12. Based on recent Con Edison reporting, current monitoring requirements are as follows:

• Bi-weekly at NW-5, NW-6, and NW-10;

• Monthly at NW-8 and NW-11; and

• Annually at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12.

A total of 394 gallons of DNAPL were recovered by Con Ed and containerized in 55-gallon DOT-approved drums that were removed, transported, and disposed of at Clean Earth of New Jersey (CENJ), in Kearney,

New Jersey under EPA ID NYR000254706 (Con Ed as generator) during the reporting period. Disposal activities were completed by Con Ed during the reporting period, as detailed in Section 3.0.

Summary

Based on the revised May 2024 SMP Monitoring Plan and O&M Plan inspection results for this reporting period (April 30, 2024 to April 30, 2025), the ECs/ICs remain effective and protective of human health and the environment. No corrective measures or changes to any ECs/ICs are recommended at this time.

1.0 INTRODUCTION

This Periodic Review Report (PRR) is a required element of the Site Management Plan (SMP) for the Polychrome Research and Development Site (also known as "Polychrome West" or "Building 2") located in Yonkers, New York (hereinafter referred to as the "Site"). The Site is approximately 3.1 acres and is located at 137-145 Alexander Street, City of Yonkers, Westchester County, New York. The Site is also identified on the City of Yonkers Tax Map as Section 2, Block 2615, Lots 1 and 29. The Site is in the New York State Brownfield Cleanup Program (BCP) as Site No. C360099, which is administered by the New York State Department of Environmental Conservation (NYSDEC).

Alex II West, LLC entered into a Brownfield Cleanup Agreement (BCA) (Index No. C360099-07-02) with NYSDEC on September 19, 2012 to remediate the Site as a Volunteer. The BCA was amended on April 13, 2016 to include Avalon Yonkers Sun Sites, LLC (Avalon) as a Volunteer. Collectively, Alex II West, LLC and Avalon are hereinafter referred to as the Volunteers. For the purposes of this PRR, Avalon (the Owner) performed the responsibilities of the Remedial Party. The Site was remediated in accordance with the December 2019 Final Engineering Report (FER), and received its Certificate of Completion (COC) on December 31, 2019.

After completion of the remedial work, some residual contamination remained at the Site, hereafter referred to as "Remaining Contamination." Institutional Controls and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to Remaining Contamination and ensure protection of public health and the environment. An Environmental Easement granted to NYSDEC and recorded with the Westchester County Clerk requires compliance with the SMP and all associated ECs and ICs.

As outlined in the revised May 2024 SMP, PRRs are to be submitted on an annual basis beginning 16 months after issuance of the COC, unless otherwise approved or directed by NYSDEC.

1.1 Site Location and Description

The Site is located in Yonkers, Westchester County, New York, and is identified as Section 2, Block 2615, Lots 1 and 29 on the Yonkers Tax Map. The Site is bounded by Alexander Street to the east, beyond which is the Greyston Bakery Voluntary Cleanup Program (VCP) site (No. V00361), located on the former Consolidated Edison (Con Ed) Woodworth Avenue Manufactured Gas Plant (MGP) site; the Hudson River to the west; the former Excelsior Packaging facility to the north; and the Ashburton Avenue right-of-way to the south, beyond which is the former ATI BCP site (C360090). Figures showing the Site location and Site layout are provided as Figure 1 and Figure 2, respectively.

Site redevelopment was completed by Avalon between May 2018 and December 2019, and included construction of one large four-story residential apartment building with parking located on the majority of the ground floor, a courtyard above the part of the parking garage not utilized by residential apartments, landscaped areas, grass pavers, a short asphalt driveway along the northern Site boundary, a rip-rap engineered shoreline, and a community walkway (a.k.a. esplanade) along the inland side of the rip-rap engineered shoreline. The Site zoning designation at the time of this PRR is industrial; however, the City of Yonkers adopted a Planned Urban Redevelopment (PUR) special use permit allowing for multi-family residential use. The Polychrome Manufacturing Site (C360098, also known as "Polychrome East") to the southeast and former Halstead Quinn/ATI Tank Farm BCP Site (C360090) to the south, beyond Alexander Street, were also redeveloped by Avalon with similar residential use.

1.2 Site History

The Site was developed prior to 1898 as an industrial waterfront property. Historical Site uses included an asphalt company, lumber and coal yard, fat rendering operations, Westchester Lighting Company yard, boat building yard, machine shop facility, a photochemical research and development facility (known as Polychrome Corporation), and offices for Westchester County Department of Social Services. Alex II West, LLC entered into a BCA (Index No. C360099-07-02) with NYSDEC on September 19, 2012 to remediate the Site as a Volunteer. The BCA was amended on April 13, 2016 to include Avalon as a Volunteer. The Site was redeveloped as part of a larger redevelopment project also encompassing the two adjacent sites, Polychrome Manufacturing BCP site (C360098) and former Halstead Quinn/ATI Tank Farm BCP Site (C360090).

Various Phase I and Phase II Environmental Site Assessments (ESAs) (including subsurface drilling) were completed at the Site between 2006 and 2012. The environmental impacts documented during the Phase II ESAs were used as the basis for entering the BCP and development of a subsequent Remedial Investigation (RI). Between July 2015 and June 2016, Paulus, Sokolowski and Sartor Engineering, PC (PS&S) conducted the RI. Following additional consultation with NYSDEC, a work plan for a Supplemental Remediation Investigation (SRI) was developed and accepted in May 2017. In accordance with a NYSDEC-approved Pre-Design Investigation (PDI) Workplan dated August 16, 2017, a laser-induced fluorescence (LIF) drilling investigation was performed at the Site in 2017 utilizing TarGOST tooling from Dakota Technologies. The objective of the PDI was to identify the nature and extent of coal tar-related dense non-aqueous phase liquid (DNAPL) observed above the native, buried river sediments previously identified in the SRI. Further, the PDI informed the horizontal and vertical extents of the proposed remedial action and was used to develop the remedial approach to address non-aqueous phase liquid [NAPL—inclusive of light non-aqueous phase liquid (LNAPL) and DNAPL] in the fill material. Fingerprint data from the PDI reported the DNAPL as a (coal) tar originating from a former MGP. The investigations also concluded that the coal tar-related contamination originated from an upgradient source.

1.3 Remedial History

In 2018 and 2019, a Track 4 remedy was implemented at the Site in accordance with the December 2017 Remedial Action Work Plan (RAWP) prepared by PS&S and the February 2018 Decision Document prepared by NYSDEC. The remedial activities conducted at the Site included, but were not limited to the following:

- Excavation and off-site disposal of soil and historical fill materials from Excavation Area A through Excavation Area J, as specified within the RAWP;
- Dewatering (including treatment of groundwater) in order to achieve the excavation to the final RAWP depths;
- Placement of oxygen release compound within the petroleum excavations to enhance bioremediation;
- In-situ soil solidification (ISS) of four units (i.e., Treatment Areas) to the depths and extents specified within the RAWP (displayed on Figure 3);
- Completion of ISS soil mix columns with bentonite seals for building piles within the "DNAPL Special Pile Installation Areas" identified within the RAWP;
- Installation of an ISS slurry wall along the southwestern boundary of the Site;
- Installation of a combined sewer overflow (CSO) anti-seep collar;

- Installation of a vapor barrier/waterproofing membrane and sub-slab depressurization system (SSDS) beneath occupied portions of the new building not underlain by the parking garage; and
- Installation of NAPL recovery wells for post remediation monitoring and collection.

The full scope of the remediation was documented within the FER for the Site. The Site received its COC on December 31, 2019.

1.4 Environmental Management Activities

During the reporting period, no on-site excavation activities occurred below the final cover system. Environmental management activities performed during the reporting period included: the annual and routine/detailed inspections of the SSDS; annual groundwater sampling; groundwater monitoring and NAPL well monitoring and recovery (specifically coal tar or DNAPL); and hazardous investigation derived waste (IDW) disposal. The environmental management activities were performed in compliance with the revised May 2024 SMP, which was approved by the NYSDEC via email on July 23, 2024.

1.5 Permitting and Approvals

No new permits were issued for the Site during the reporting period.

1.6 Remaining Contamination

Remedial excavation activities at the Site occurred between May 2018 and September 2018, which included the excavation of soil exceeding the Site-specific Reuse Criteria (SSRC). Additional Site foundation and utility excavations occurred between September 2018 and October 2019. A total of 7,522.02 tons (or approximately 5,015 cubic yards using a conversion factor of 1.5 tons per cubic yard) of soil/fill was excavated and removed from the Site as part of remedial excavations.

Following soil/fill remedial excavations, endpoint samples were obtained and analyzed in accordance with the RAWP and/or in consultation with NYSDEC. The laboratory analytical results indicated the presence of one or more semivolatile organic compounds (SVOCs) and metals detected above the NYSDEC Restricted Residential (RRES) Soil Cleanup Objectives (SCOs). The detected SVOCs were polycyclic aromatic hydrocarbons, a class of compounds most commonly found in combustion byproducts that are frequently found in urban fill. All other detected SVOCs were below RRES SCOs.

ISS, via bucket mixing, was conducted to solidify targeted areas of DNAPL contamination, specifically coal tar, located below the water table at four separate ISS Treatment Areas (identified as ISS Units in the RAWP). The ISS Treatment Area depths and lateral extents were based on data obtained during the TarGOST PDI and in consultation with NYSDEC. As outlined in RAWP Submittal #14 (submitted to NYSDEC on May 16, 2018), an approximately 200-linear-foot slurry wall (2 feet in width) was installed down to an elevation of 7 feet fellow mean sea level (NAVD88) by ISS bucket mix along the southern shoreline of the Site to prevent remnant petroleum contamination from going off-site. Additionally, two low-permeability barriers (or anti-seep collars) were specified within the RAWP along the CSO to mitigate the off-site migration of LNAPL contamination along the CSO. One low-permeability barrier consisted of the CSO anti-seep collar, and the second low permeability barrier requirement was fulfilled by installation of the slurry wall, which was also tied above and around the CSO.

A network of NAPL recovery and groundwater monitoring wells were installed at the Site as presented in accordance with Polychrome West NAPL Monitoring Well Installation Workplan (Phases I and II). NAPL recovery wells were installed to monitor and recover residual NAPL remaining on-site.

As part of the RI and SRI, a total of 12 soil vapor samples were collected and analyzed by PS&S. Five volatile organic compounds (VOCs)—1,1,1-trichloroethane, carbon tetrachloride, cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene—identified in New York State Department of Health Matrix A and Matrix B were detected. It is possible that residual soil vapor contamination related to past Site operations and/or off-site sources of contamination exists in the Site subsurface.

Groundwater underlying the Site is impacted by coal tar and potentially other contaminants from on-site and/or off-site sources. Excluding DNAPL recovery (for coal tar), the remedy does not require further groundwater remediation, as groundwater at the Site is not considered to be part of a sole-source aquifer, the majority of the source area's contaminated soils were removed, and natural attenuation of the Residual Contamination is expected to occur.

Residual contaminated soil remains below the Site-wide Cover System that does not meet the Site-specific SCOs established for the Site and the on-site soil reuse criteria specified in the SMP. Since Remaining Contamination is present at this Site, ECs and ICs have been implemented to protect public health and the environment for the applicable future use.

2.0 ENGINEERING & INSTITUTIONAL CONTROLS PLAN COMPLIANCE REPORT

Since Remaining Contamination is present beneath the Site surface, ECs and ICs are required to protect human health and the environment. This Engineering and Institutional Control Plan Compliance Report describes the procedures for the implementation and management of all ECs and ICs at the Site. The IC/EC Certification Form is also discussed within this section and is included as Appendix A.

2.1 Engineering Controls

Remaining contamination at the Site is addressed by ECs, which are:

1. A Site-wide Cover System consisting of concrete building slabs, soil cover areas with an underlying demarcation layer, pavement, and other hardscape components;
2. A vapor barrier membrane and active SSDS beneath the on-site building;
3. A slurry wall and CSO anti-seep collar; and
4. A network of NAPL recovery wells and groundwater monitoring wells.

2.1.1 Site-wide Cover System

Exposure to Remaining Contamination at the Site is prevented by the Site-wide Cover System. The Site-wide Cover System components were installed as part of the Site's redevelopment activities, and installation is further detailed in the FER. The Site-wide Cover System components consist of the following:

- Soil Cover: A minimum 2-foot-thick surface soil cover consisting of imported soil materials, which meets the lower of Protection of Groundwater and RRES SCOs listed in 6 New York Codes, Rules, and Regulations (NYCRR) Part 375, Table 375-6.8(b). A demarcation layer (which consists of a highly visible orange synthetic snow fence material) was installed beneath the soil cover to visually identify the limits of the cover system component;
- Parking Garage Concrete Slab: A minimum 6-inch-thick concrete building slab for the parking garage area underlain by a vapor barrier (detailed in Section 2.1.2). The vapor barrier acts as the demarcation layer for this component;
- Building Concrete Slab: A minimum 6-inch-thick concrete building slab for the residential building area underlain by a vapor barrier and SSDS (detailed in Sections 2.1.2 and 2.1.3, respectively). The non-woven geotextile fabric beneath the SSDS layer acts as the demarcation layer for this component;
- Asphalt Surface: A minimum 2-foot-thick asphalt pavement section consisting of asphalt surface, sub base, clean fill, and an underlying demarcation layer (i.e., highly visible orange synthetic snow fence material);
- Esplanade and Walkways: A minimum 2-foot-thick concrete or brick sidewalk/esplanade section consisting of a concrete/brick surface, subbase, clean fill, and an underlying demarcation fabric (i.e., highly visible orange synthetic snow fence material); and
- Rip-Rap: A minimum 2-foot-thick stone rip-rap layer along the western property boundary (i.e., the mean high water line).

Figure 4 presents the location and cross-sections of the Site-wide Cover System components.

2.1.2 Vapor Barrier System

A Vapor Barrier System was installed beneath the building and parking garage concrete slab. The Vapor Barrier System consists of a Stego® Wrap (20 mil) liner installed beneath the horizontal slab on grade. The vapor barrier system serves in conjunction with the active SSDS (described in subsequent section) to mitigate the potential for soil vapor intrusion to occur at the Site.

Figure 4 presents the location and typical cross-sections of the Vapor Barrier System. The extent of the vapor barrier is provided on the SSDS as-built drawings (Appendix B).

2.1.3 SSDS

A SSDS was designed and installed beneath residential portions of the concrete slab of the on-site building to allow the lateral movement, collection, and venting of potential soil gas vapor from below the building. The Site-specific design for the SSDS was developed prior to construction of the building. The major components of the SSDS consist of a subgrade 4-inch, Schedule 40 slotted polyvinyl chloride (PVC) piping network installed within a minimum 6-inch-thick layer of gas-permeable aggregate, which is manifolded into a 6-inch Schedule 40 PVC riser, blower, and exhaust stack located on the roof. Three sub-slab vacuum monitoring points were also installed within the building footprint for monitoring purposes. The SSDS pipes, associated piping, and the vapor barrier were installed at the Site in 2019. The blower and additional appurtenances were installed in 2020. Figure 4 presents the location and typical cross-sections of the subgrade SSDS components. As-built drawings of the SSDS are provided as Appendix B.

2.1.4 Slurry Wall Installation

The on-site slurry wall connects the adjacent ATI site bulkhead to an existing on-site sub-grade timber bulkhead observed during remedial activities. The purpose of the slurry wall was two-fold: (1) contain LNAPL mobilized during excavation of Excavation Areas H and I; and (2) contain residual petroleum and/or coal tar contamination that may be present on-site. No changes or impacts to the on-site slurry wall were documented during the reporting period. Final slurry wall installation details can be found in the FER.

2.1.5 CSO Anti-Seep Collars

Two low-permeability barriers (or anti-seep collars) were specified within the RAWP and installed as documented in the FER along the CSO to mitigate the potential off-site migration of NAPL contamination. No changes or impacts to the on-site CSO anti-seep collars were documented during the reporting period.

2.1.6 NAPL Recovery and Groundwater Monitoring Wells

A network of NAPL recovery and groundwater monitoring wells were installed at the Site, as presented on Figure 5. Groundwater monitoring wells were installed to monitor groundwater concentrations on-site. NAPL recovery wells were installed to monitor and recover residual NAPL remaining on-site.

2.2 Institutional Controls

As outlined in the FER, the ICs for this Site are required to: (1) implement, maintain, and monitor EC systems; (2) prevent future exposure to Remaining Contamination; and (3) limit the use and

development of the Site to restricted residential, commercial, and industrial uses only. Adherence to these ICs is required by the Environmental Easement and monitored under the SMP. The ICs include the following:

- The Site may be used and developed for restricted residential, commercial, or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- All ECs must be operated and maintained as specified in the revised 2024 SMP;
- All ECs must be inspected at a frequency and in a manner defined in the revised 2024 SMP;
- The use of groundwater as a source of potable or process water is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or Westchester County Department of Health;
- Groundwater monitoring must be performed as defined in the revised 2024 SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP or otherwise approved by NYSDEC;
- The Remedial Party or Site Owner is required to complete and submit to NYSDEC a periodic certification of ICs and ECs in accordance with Part 375-1.8 (h)(3), as further detailed in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the revised 2024 SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the 2024 SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the 2024 SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- A vapor mitigation system must be installed, operated, and maintained for any building developed in the area within the IC boundaries, unless otherwise approved by NYSDEC; and
- Vegetable gardens and farming on the Site are prohibited.

ICs identified within the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement, which may occur when the Track 1 SCOs are achieved.

2.2.1 Excavation Work Plan

The Site was remediated for restricted residential use. Any future intrusive work that will penetrate the Site-wide Cover System, or encounter or disturb the Remaining Contamination, including any modifications or repairs to the existing cover system, will be performed in compliance with the Excavation Work Plan (EWP) included as Appendix C of the revised 2024 SMP. The SMP requires that work pursuant to the EWP is included in the PRRs. No work pertaining to EWP compliance was conducted during this reporting period.

2.3 Engineering and Institutional Control Certification Form

After completing the required inspections for this reporting period, a qualified environmental professional prepared and signed the NYSDEC PRR IC/EC Certification Form, provided by NYSDEC as Enclosure 2 within the March 25, 2025 letter titled "Reminder Notice: Site Management PRR and IC/EC Certification Submittal." Inspections were performed in accordance with the procedures set forth in the Monitoring Plan of the revised 2024 SMP (further detailed in Section 3.0 of this PRR) and the Operation and Maintenance (O&M) Plan (further detailed in Section 4.0 of this PRR). A copy of the signed IC/EC Certification Form is provided as Appendix A.

3.0 MONITORING PLAN COMPLIANCE REPORT

The Monitoring Plan of the SMP describes the measures for evaluating the performance and effectiveness of the implemented ECs to contain and provide for proper management of the Remaining Contamination at the Site to protect public health and the environment. ECs at the Site include: the Site-wide Cover System; a vapor barrier beneath the entire building footprint and SSDS beneath residential portions of the concrete slab of the on-site building; a slurry wall and CSO anti-seep collars; and a network of on-site NAPL recovery and groundwater monitoring wells. AKRF performed the annual groundwater monitoring on December 12 and 13, 2024. The Site-wide and annual routine/detailed SSDS inspections were performed on December 11, 2024. During the reporting period, NAPL gauging was completed by Con Ed on a bi-weekly basis at NW- 5, NW-6, and NW-10, on a monthly basis at NW-8 and NW-11, and on an annual basis at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12. During the reporting period, NAPL recovery wells that had recoverable product included NW-5, NW-6, NW-8, NW-10, and NW-11.

Conducted inspections are summarized in the table below and results are detailed within this section.

SMP Monitoring Plan Schedule

Monitoring Program	Frequency*	Monitoring Parameter	Inspection or Means	Date Completed
Site-wide Inspection	Annually	Site-wide Surface Conditions	Visual inspection of observable surface conditions and condition of exposed ECs	12/11/2024
SSDS Routine/ Detailed Inspections	Quarterly (first year)/ Annually (after first year)	Flow Rate (each riser)	Visual inspection of flow sensor to confirm within operating range [40 to 100 cubic feet per minute (cfm)]	12/11/2024 (Annual)
		Applied Vacuum Reading (blower)	Visual inspection of magnehelic gauges to confirm within operating range (0.5 to 10 inches of H_2O)	12/11/2024 (Annual)
		Induced Vacuum (vacuum monitoring points)	Visual inspection of monitoring points to confirm within operating range (a minimum of 0.005 inches of H_2O)	12/11/2024 (Annual)
Groundwater Sampling	Annually/ Triennially	Residual Site-wide Subsurface Contamination	Sampling of MW-D (annually) and MW-A, MW-B, MW-C, MW-E, and MW-F (triennially) for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) using low flow methodology	12/12-13/2024 (MW-A through MW-F)
Recovery Well Gauging & Coal Tar Recovery	Biweekly/ Monthly/ Quarterly/ Annually	DNAPL Thicknesses and Recovery	Gauging/Recovery of coal tar from NW-1 through NW-12; Coal tar recovery required when >6" of DNAPL present	04/24 to 04/25 (Biweekly/ Monthly/ Quarterly/ Annually)

Site-wide Inspection

An annual Site-wide Inspection was performed by AKRF on December 11, 2024. The Site-wide Inspection included a visual inspection of observable surface conditions for evidence of damage (e.g., cracking, holes, etc.). The Site-wide Cover System was observed in good condition throughout all portions of the Site. Minor evidence of surficial cracks, none of which breached the Site-wide Cover System, were observed in the parking garage during the inspection, and no corrective measures were necessary. The results of the inspection were recorded on the Site-wide Inspection Site Management Form, included in Appendix C. A photographic log is also provided as Appendix D.

SSDS Inspection

The routine and detailed operations inspections were performed during the annual SSDS inspection on December 11, 2024, to identify/rectify any operations-based maintenance items, such as malfunctioning SSDS risers, piping runs, and/or other system components. The SSDS inspection included the following:

- Visual inspection of flow sensor to confirm within operating range (40 to 100 cfm);
- Visual inspection of magnehelic gauge to confirm within operating range (0.5 to 10 inches of H_2O); and
- Visual inspection of monitoring points to confirm within operating range (a minimum of 0.005 inches of H_2O).

The SSDS is functioning as designed. The flow rate (211 cfm) and applied vacuum reading (0.80 inches H_20) on the SSDS vertical riser were all within acceptable ranges as per the SMP. The induced vacuum readings at the SSDS monitoring points (0.075 to 0.495 inches of H_20) were well above the minimum readings required in the SMP.

Photographs of the SSDS system components are provided in Appendix D. The annual SSDS inspection logs were completed during the reporting period and incorporated into the Annual SSDS Inspection Field Reports provided as Appendix E.

Annual Groundwater Sampling

On December 12 and 13, 2024, groundwater samples were collected from groundwater monitoring wells MW-A through MW-F for analysis of TCL VOCs by EPA Method 8260 and TCL SVOCs by EPA Method 8270D. While MW-D has been sampled annually since approval of the revised May 2024 SMP, the last sampling event for MW-C was in 2022, with the remaining wells (MW-A, MW-B, MW-E, and MW-F) last sampled in 2021. To maintain a consistent program for triennial (every three years) sampling, all on-site groundwater monitoring wells were sampled in December 2024. MW-D will continue to be sampled on an annual basis unless otherwise specified by NYSDEC.

The December 2024 annual groundwater sampling analytical results indicated a reduction in coal tar related contaminant concentrations, specifically naphthalene and phenol, with only naphthalene as a VOC reported above the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) at MW-D. As noted in the FER, remnant coal tar DNAPL contamination is present at the Site and is removed from on-Site DNAPL wells regularly by Con Ed, which likely impacts the Site's shallow groundwater quality (especially at MW-D due to its proximity to NW-5).

The 2024 annual sampling results continue to show reductions in the concentrations of coal tar related contaminants, with the presence of these contaminants limited to the southwestern portion of the Site, as reported in the groundwater sample collected at MW-D. Based on the annual sampling results, AKRF recommends continued groundwater monitoring on an annual basis at MW-D for TCL VOCs by EPA 8260 and TCL SVOCs by EPA 8270D, with discontinued sampling at the remaining on-site wells.

The Polychrome West Annual Groundwater Monitoring Report is provided in Appendix F. Historical groundwater analytical results from the annual groundwater sampling events in 2019 through 2024 are provided in Tables 1a through 1f.

Recovery Well Gauging and Coal Tar Recovery

Between April 2024 and April 2025, GEI (on behalf of Con Ed) performed DNAPL removal activities at recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump with dedicated tubing, and at NW-5 and NW-6, using either a QED piston pump or a PVC airlift pump with dedicated tubing.

A total of 394 gallons of DNAPL were recovered by Con Ed and containerized in 55-gallon Department of Transportation (DOT)-approved drums that were removed, transported, and disposed of at Clean Earth of North Jersey (CENJ), in Kearney, New Jersey during the reporting period.

NAPL recovery well gauging results and DNAPL recovery totals for the reporting period are provided in Con Ed's monthly and annual reports prepared by GEI and included in Appendix G. A summary of the DNAPL recovered during the report period are also summarized in Table 2 below:

Table 2 – DNAPL Recovery Totals

Recovery Well ID	DNAPL Recovered (gallons)
NW-5	158.5
NW-6	192.0
NW-8	9.5
NW-10	24.0
NW-11	10.0
TOTAL	**394.0**

Additional Disposal Information

From April 2024 to April 2025, GEI coordinated the removal of DNAPL under EPA ID NYR000254706 (Con Ed as generator). Final waste disposal manifests are included in Con Ed's monthly and annual reports prepared by GEI in Appendix G.

4.0 OPERATION AND MAINTENANCE COMPLIANCE REPORT

The revised 2024 SMP O&M Plan provides a description of the measures necessary to operate, monitor, and maintain the mechanical components of the remedy selected for the Site. As detailed in the SMP O&M Plan, "routine" and "detailed" system inspections will be performed in accordance with the frequency set forth in the table below.

Table 3 – Schedule of Monitoring/Inspection Reports

Task/Report	Reporting Frequency
SSDS Inspection Report	Annually
Site-wide Cover System Inspection Report	Annually
SSDS Maintenance Report	Following Maintenance Event

SSDS Operations

The routine SSDS inspection check consists of a visual inspection noting the flow rate and vacuum reading for the SSDS riser. The routine inspection also includes documenting any alarms or unusual conditions (e.g., unusual odors, leaks, blower noise, etc.). Typical routine maintenance items include:

- Confirmation that the blowers are operating and air is discharging through the exhaust stacks on the roof; and
- Confirmation that the gauges on the SSDS riser are clean and within normal ranges.

The detailed operations check is performed to identify/rectify operations-based maintenance items, such as malfunctioning SSDS risers, piping runs, and/or other system components. Typical detailed maintenance items include:

- Confirm/assess blower performance and integrity;
- Assess blower and determine need for replacement;
- Confirm/assess the operating condition (induced vacuum) of vacuum monitoring points MP-1 though MP-3; and
- Confirm/assess the structural integrity of concrete floor slabs overlying the SSDS piping runs.

During the inspection for this reporting period, the SSDS fan was operating properly, and air was observed discharging through the exhaust stack on the roof. The flow rate (211 cfm) and applied vacuum reading (0.80 inches H_20) on the SSDS vertical riser were within acceptable ranges. The induced vacuum readings at the SSDS monitoring points (0.075 to 0.495 of H_20) were well above the minimum readings required in the SMP. All vacuum and flow rate gauges were observed in clean condition. Vacuum monitoring points MP-1 through MP-3 were each observed in operable condition and properly secured within manholes. No damage was observed to the structural integrity of concrete floor slabs overlying constructed SSDS manifold and piping runs.

5.0 CONCLUSIONS

This PRR was prepared to document the Site management activities associated with the Site's ECs/ICs and to certify that the controls are being implemented in accordance with the SMP.

AKRF revised the SMP in May 2024 to incorporate the updated NYSDEC-approved NAPL gauging/removal schedule and groundwater sampling frequency modifications as outlined in the 2024 PRR. The SSDS inspection forms included in the SMP were updated to reflect the constructed configuration of the system and normal flow rate operating range. On July 23, 2024, the NYSDEC approved the revised May 2024 SMP via email, which is provided in Appendix H.

Annual inspections of the Site-wide cover system and routine/detailed SSDS were completed and both ECs are functioning as designed. The flow rate and applied vacuum readings on the SSDS vertical riser were within acceptable ranges, and the induced vacuum readings at the SSDS monitoring points were well above the minimum readings required in the SMP. No maintenance events or modifications were required during the reporting period.

The December 2024 annual groundwater sampling analytical results indicated a reduction in coal tar related contaminant concentrations, specifically naphthalene and phenol, with only naphthalene as a VOC reported above the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) at MW-D. As noted in the FER, remnant coal tar DNAPL contamination is present at the Site and is removed from on-Site DNAPL wells regularly by Con Ed, which likely impacts the Site's shallow groundwater quality (especially at MW-D due to its proximity to NW-5). The 2024 annual sampling results continue to show reductions in the concentrations of coal tar related contaminants, with the presence of these contaminants limited to the southwestern portion of the Site, as reported in the groundwater sample collected at MW-D. Based on the annual sampling results, AKRF recommends continued groundwater monitoring on an annual basis at MW-D for TCL VOCs by EPA 8260 and TCL SVOCs by EPA 8270D, with discontinued sampling at the remaining on-site wells.

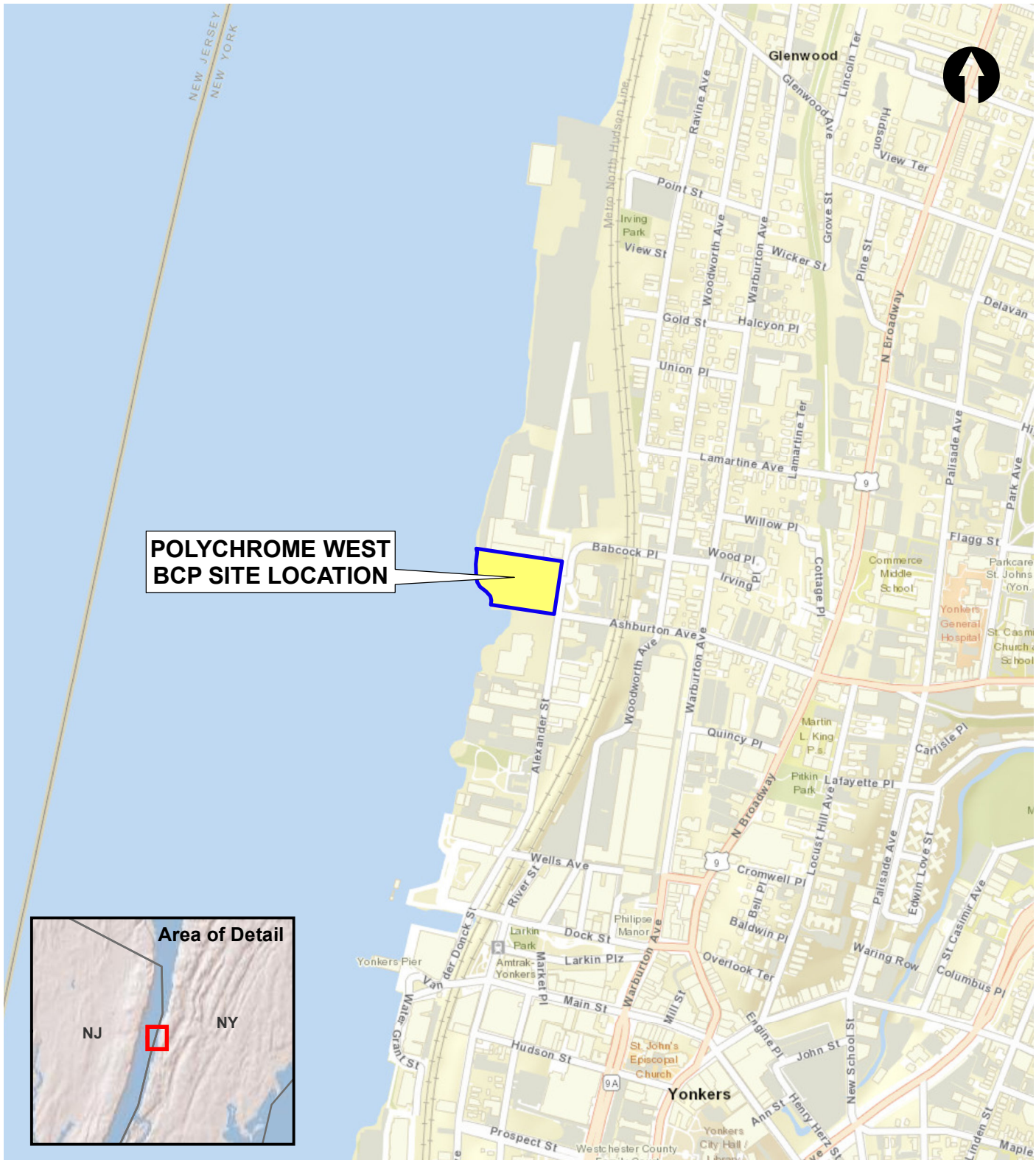
During the reporting period, Con Ed, in consultation with NYSDEC, performed routine DNAPL gauging in accordance with NYSDEC guidance and approvals at NW-1, NW-3, NW-4, NW-5, NW-6, NW-7, NW-8, NW-9, NW-10, NW-10S, NW-11, and NW-12. The current gauging and recovery frequency identified is below:

- Bi-weekly at NW-5, NW-6, and NW-10;
- Monthly at NW-8 and NW-11; and
- Annually at NW-1, NW-3, NW-4, NW-7, NW- 9, NW-10S, and NW-12.

A total of 394 gallons of DNAPL were recovered by Con Ed and containerized in 55-gallon DOT-approved drums that were removed, transported, and disposed of at CENJ, in Kearney, New Jersey under EPA ID NYR000254706 (Con Ed as generator) during the reporting period. Disposal activities were completed by Con Ed during the reporting period.

Based on the SMP Monitoring Plan and O&M Plan inspection results summarized above for this reporting period (April 30, 2024 to April 30, 2025), the ECs/ICs remain effective and protective of human health and the environment. All inspections were performed in accordance with the SMP. No corrective measures or changes to any ECs/ICs are recommended at this time.

FIGURES



Service Layer Credits: ESRI Worlwide Street Map data; 2019.

Map Source - BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C.
Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.

0 800 1,600
SCALE IN FEET

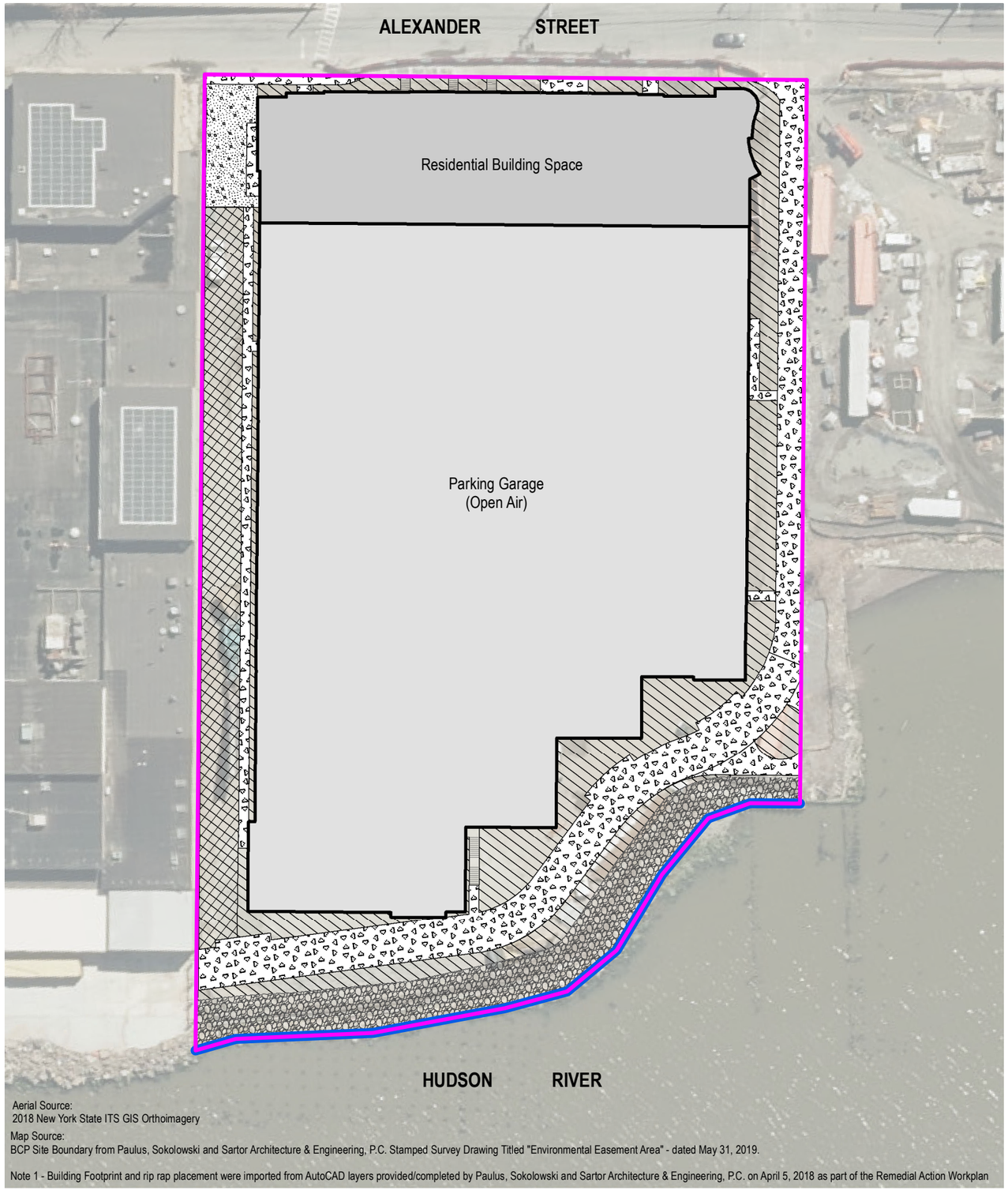
AKRF
440 Park Avenue South, New York, NY 10016

Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

SITE LOCATION MAP

DATE
5/10/2023
PROJECT NO.
180017
FIGURE
1

©2019 AKRF Q:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\180017 Fig 1 site loc map.mxd 7/24/2019 8:16:03 AM mveilleux



Aerial Source:
2018 New York State ITS GIS Orthoimagery

Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.

Note 1 - Building Footprint and rip rap placement were imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. on April 5, 2018 as part of the Remedial Action Workplan

LEGEND

- BCP SITE BOUNDARY
- MEAN HIGH WATERLINE
- RESIDENTIAL BUILDING SPACE
- PARKING GARAGE (OPEN AIR)
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP

0 30 60 120

SCALE IN FEET

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Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

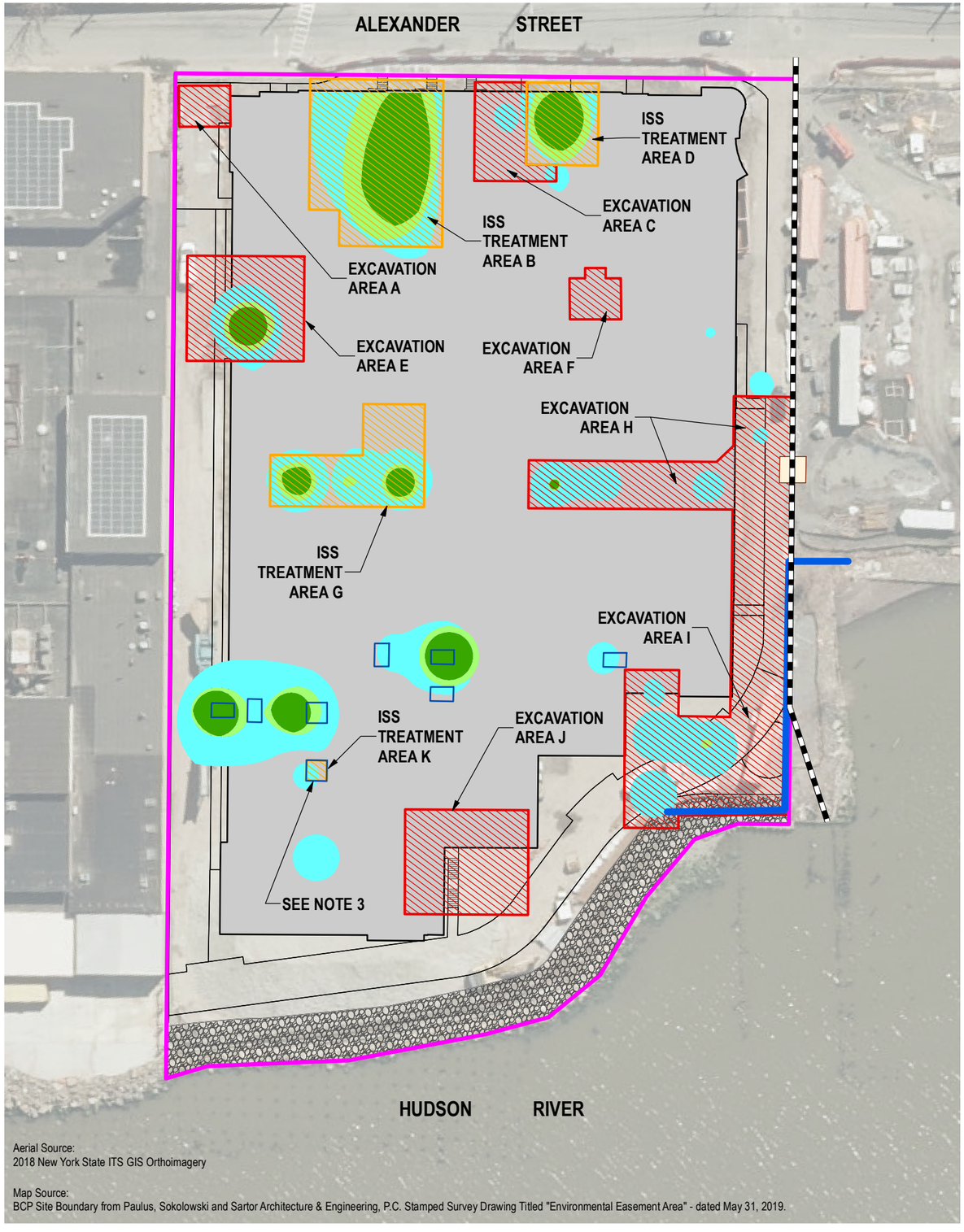
SITE LAYOUT PLAN (GROUND FLOOR)

DATE
5/10/2023

PROJECT NO.
180017

FIGURE
2

©2019 AKRF Q:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\180017 Fig 2 site layout.mxd 7/24/2019 5:04:15 PM mveilleux



Aerial Source:
2018 New York State ITS GIS Orthoimagery

Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.

LEGEND

- BCP SITE BOUNDARY
- BUILDING FOOTPRINT
- RIP RAP
- CSO ANTI-SEEP COLLAR
- ISS TREATMENT AREA (OR UNIT)
- EXCAVATION AREA EXTENTS
- 60% RE RESPONSE (TARGOST)
- 100% RE RESPONSE (TARGOST)
- 120% RE RESPONSE (TARGOST)
- SLURRY WALL
- APPROXIMATE CSO PIPE LOCATION
- PILE MODIFICATION AREA

Note 1 - Building Footprint and rip rap placement were imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. on April 5, 2018 as part of the Remedial Action Workplan

Note 2 - Remedial Excavation extents, ISS, CSO Collar, and Piles Requiring Modification layers were surveyed prior to remedial action by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C.

Note 3 - ISS Treatment Area was originally a Pile Modification Area. See Final Engineering Report for additional detail. Full extent of area not surveyed.

Note 4 - Response levels from the TarGOST model shown in the RAWP were shifted to adjusted field verified boring locations.

0 30 60 120
SCALE IN FEET

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Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

EXTENT OF REMEDIAL ACTION PERFORMED

DATE
5/10/2023

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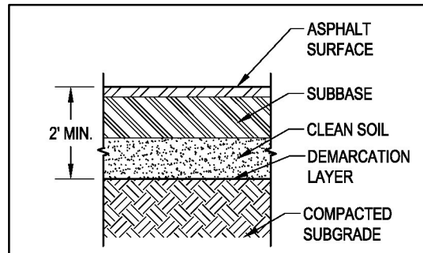
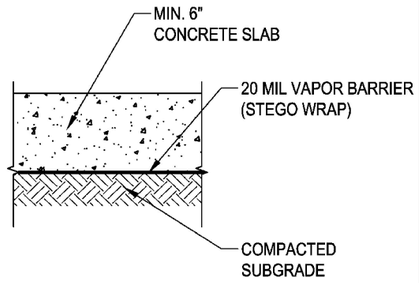
180017

FIGURE
3

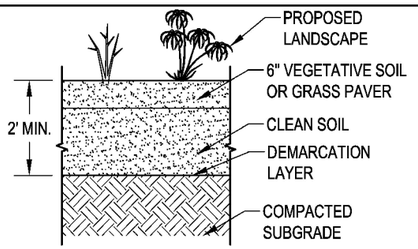
©2019 AKRF Q:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\180017 Fig 3 Extent of Remedial Action Performed.mxd 12/13/2019 2:53:36 PM mveilleux



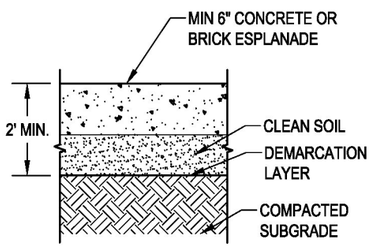
TYPICAL ASPHALT SURFACE
Not To Scale



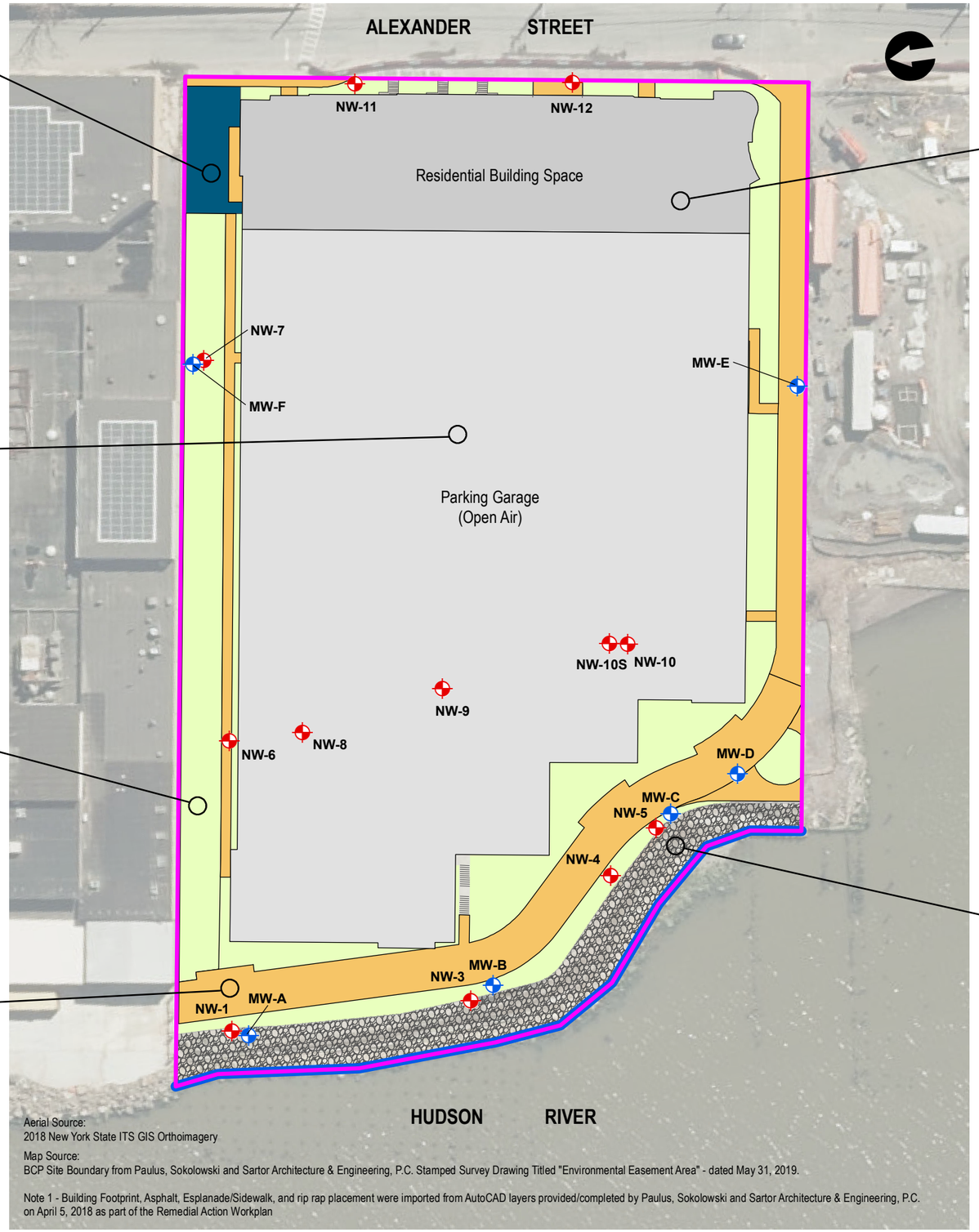
TYPICAL PARKING GARAGE SLAB
Not To Scale



TYPICAL LANDSCAPED AREA
Not To Scale



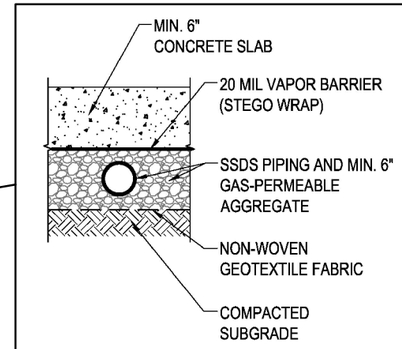
TYPICAL ESPLANADE OR CONCRETE WALKWAY
Not To Scale



Aerial Source:
2018 New York State ITS GIS Orthoimagery

Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.

Note 1 - Building Footprint, Asphalt, Esplanade/Sidewalk, and rip rap placement were imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. on April 5, 2018 as part of the Remedial Action Workplan



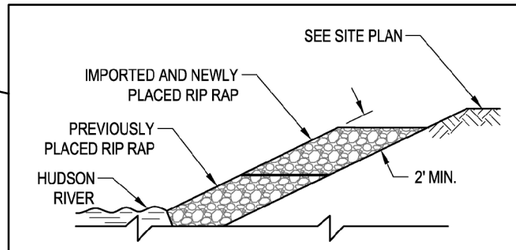
TYPICAL BUILDING SLAB
Not To Scale

NOTE:

1. SEE APPENDIX E FOR FULL SUB SLAB DEPRESSURIZATION SYSTEM (SSDS) AS-BUILT DRAWINGS.

LEGEND

- BCP SITE BOUNDARY
- MEAN HIGH WATERLINE
- RESIDENTIAL BUILDING SPACE
- PARKING GARAGE (OPEN AIR)
- ASPHALT
- ESPLANADE OR SIDEWALK
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL LOCATION
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)



NOTE:

TYPICAL RIP-RAP
Not To Scale

1. SEE APPENDIX G OF THE RAWP FOR SITE SPECIFIC RIP RAP DETAIL.

0 30 60 120

SCALE IN FEET

AKRF
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Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

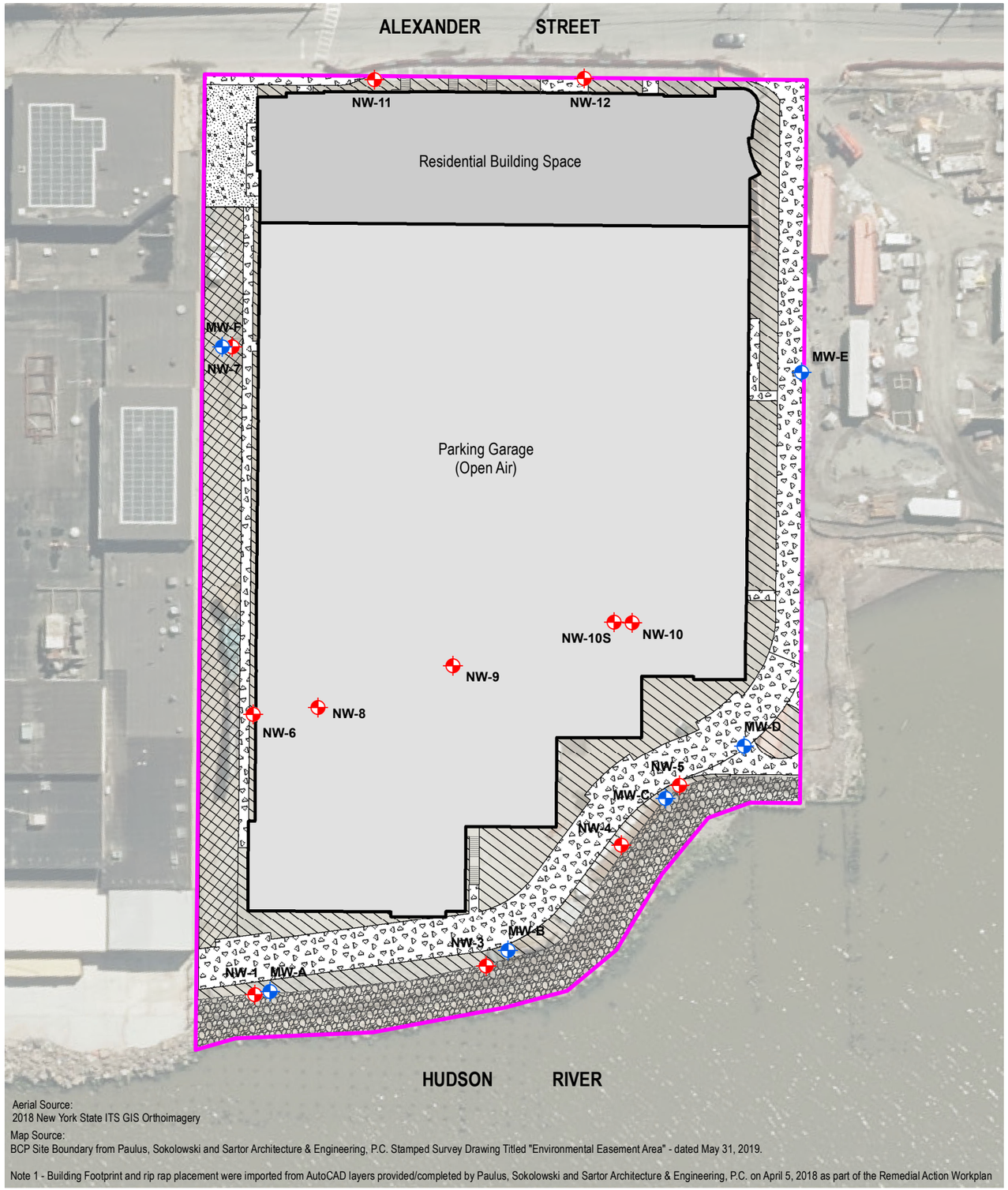
FINAL COVER SYSTEM

DATE
5/10/2023

PROJECT NO.
180017

FIGURE
4

©2019 AKRF Q:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\180017 Fig 7b Final Cover System.mxd 12/12/2019 11:56:17 AM mwelleux



Aerial Source:
2018 New York State ITS GIS Orthoimagery

Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.

Note 1 - Building Footprint and rip rap placement were imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. on April 5, 2018 as part of the Remedial Action Workplan

LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 30 60 120

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

NAPL RECOVERY & GROUNDWATER MONITORING WELL LOCATION PLAN

DATE
5/10/2023

PROJECT NO.
180017

FIGURE
5

©2019 AKRF Q:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\180017 Fig 4 NAPL Recovery and GW Wells.mxd 12/20/2019 3:43:17 PM mveilleux

TABLES

Table 1A
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

	AKRF Sample ID	PCW-MW-A-20191010	MW-A_20201210	MW-A_20211221	MW-A_20241213	PCW-MW-B-20191010	MW-B_20201210	MW-B_20211221	MW-B_20241212
	Laboratory Sample ID	L1947799-01	L2055197-02	L2170313-01	L2473190-08	L1947799-02	L2055197-03	L2170313-02	L2473190-04
	Date Sampled	10/10/2019	12/10/2020	12/21/2021	12/13/2024	10/10/2019	12/10/2020	12/21/2021	12/12/2024
	Unit	µg/L	µg/L	µg/L	1	µg/L	µg/L	µg/L	1
	Dilution Factor	1	1	1	µg/L	1	1	1	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.13 J	0.5 U	0.5 U	0.5 U	0.15 J	0.13 J	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	NR	2 U	2 U	2 U	NR
1,4-Dioxane	NS	NR	NR	NR	250 U	NR	NR	NR	250 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	5 UJ	5 U	5 U	3 J	5 U	5 U	5 U	4.4 J
Acrylonitrile	5	5 R	5 U	5 U	5 U	5 R	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
Bromomethane	5	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U
Carbon Disulfide	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	NR
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	NR	NR	NR	2.5 U	NR	NR	NR	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	2.1 J	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 UJ	2.5 U	9 J	2.5 U	2.5 U	2.5 U	9.6 J	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	NR	NR	NR	2 U	NR	NR	NR	2 U
p-Isopropyltoluene	5	NR	NR	NR	2.5 U	NR	NR	NR	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.45 J	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U	0.18 J	0.5 U
Trichlorofluoromethane	**5**	0.78 J	2.5 U	2.5 U	2.5 U	1.1 J	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 1A
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

	AKRF Sample ID	PCW-MW-C-20191010	MW-C_20201210	MW-C_20211221	MW-C_20221208	MW-C_20241212	PCW-MW-D-20191010	MW-D_20201209	MW-X_20201209
	Laboratory Sample ID	L1947799-03	L2055197-04	L2170313-03	L2269127-03	L2473190-03	L1947799-04	L2054985-02	L2054985-03
	Date Sampled	10/10/2019	12/10/2020	12/21/2021	12/08/2022	12/12/2024	10/10/2019	12/09/2020	12/09/2020
	Unit	µg/L	µg/L	µg/L	µg/L	1	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1	µg/L	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	1.3 J	1.1 J	1.1 J
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 J	0.29 J	0.29 J
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U
1,4-Dioxane	NS	NR	NR	NR	NR	250 U	NR	NR	NR
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	23	25 JK	25 JK
Acrylonitrile	5	5 R	5 U	5 U	5 U	5 U	5 R	5 UJ	5 UJ
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.94	0.53	0.54
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 J	1.8 J
Carbon Disulfide	60	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.94 J	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	NR	NR	NR	NR	2.5 U	NR	NR	NR
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.7 J	1.1 J	1.1 J
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.74 J	2.5 U	0.7 J
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 U	2.5 U	7.1 J	2.5 U	2.5 U	**90**	**69**	**74**
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	NR	NR	NR	NR	2 U	NR	NR	NR
p-Isopropyltoluene	5	NR	NR	NR	NR	2.5 U	NR	NR	NR
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.67	0.66
Trichlorofluoromethane	**5**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.6	**7.7**	**7.8**
Vinyl Acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Vinyl Chloride	2	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.74 J	2.5 U	0.7 J

Table 1A
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

	AKRF Sample ID	MW-D_20211223	MW-X_20211223	MW-D_20221208	MW-X_20221208	MW-D_20231204	MW-X_20231204	MW-D_20241212	MW-X_20241212
	Laboratory Sample ID	L2170313-07	L2170313-08	L2269127-01	L2269127-02	L2371258-01	L2371258-04	L2473190-02	L2473190-05
	Date Sampled	12/23/2021	12/23/2021	12/08/2022	12/08/2022	12/4/2023	12/4/2023	12/12/2024	12/12/2024
	Unit	µg/L	µg/L	µg/L	µg/L	1	1	1	1
	Dilution Factor	1	1	1	1	µg/L	µg/L	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	0.88 J	0.86 J	0.87 J	0.87 J	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	0.78 J	0.8 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.21 J	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	0.14 J	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	2 U	NR	NR	NR	NR
1,4-Dioxane	NS	NR	NR	NR	NR	250 R	250 R	250 U	250 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	14	12	27	32	20	21	17	16
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
Benzene	1	0.62	0.53	0.68	0.78	0.3 J	0.31 J	0.5	0.5
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Carbon Disulfide	60	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	0.72 J	2.5 U	2.5 U	NR	NR	NR	NR
Dibromochloromethane	50	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	NR	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	1.2 J	1.2 J	1.1 J	1.1 J	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	0.79 J	0.77 J	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 UJ	5 J	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	**46 J**	**74 J**	**40**	**40**	**64**	**57**	**28**	**27**
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	NR	NR	NR	NR	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	NR	NR	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	0.7 J	0.74 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	0.86 J	0.9 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.5	0.67	0.5 U	0.5 U	0.5 U	0.5 U	0.36 J	0.38 J
Trichlorofluoromethane	**5**	2.5 U	2.5 U	2.5 U	0.7 J	2.5 U	2.5 U	1.6 J	1.5 J
Vinyl Acetate	NS	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	0.79 J	0.77 J	2.5 U	2.5 U	2.5 U	2.5 U

Table 1A
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

	AKRF Sample ID	PCW-MW-E-20191009	MW-E_20201209	MW-E_20211223	MW-E_20241212	PCW-MW-F-20191011	PCW-MW-X-20191011	MW-F_20201210	MW-F_20211221
	Laboratory Sample ID	L1947799-05	L2054985-01	L2170313-09	L2473190-01	L1947799-06	L1947799-07	L2055197-01	L2170313-06
	Date Sampled	10/09/2019	12/09/2020	12/23/2021	12/12/2024	10/11/2019	10/11/2019	12/10/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	1	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	µg/L	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.21 J	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	NR	2 U	2 U	2 U	2 U
1,4-Dioxane	NS	NR	NR	NR	250 U	NR	NR	NR	NR
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	16 JK	5 U	5 U	5 U	14	9.4	5 U	5 U
Acrylonitrile	5	5 R	5 UJ	5 U	5 U	5 R	5 R	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
Bromomethane	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon Disulfide	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	NR	NR	NR	2.5 U	NR	NR	NR	NR
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	3.8 JK	5 U	5 U	1.9 J	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 UJ	2.5 U	1.9 J	2.5 U	**12**	**14**	2.5 U	**15**
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	NR	NR	NR	2 U	NR	NR	NR	NR
p-Isopropyltoluene	5	NR	NR	NR	2.5 U	NR	NR	NR	NR
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.91	0.66
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 J	0.21 J
Trichlorofluoromethane	**5**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 1A
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

	AKRF Sample ID	MW-F_20241213	FIELD BLANK_20201209	FIELD BLANK_20211221	FIELD BLANK_20221208	FIELD BLANK_20231204	FIELD BLANK_20241212	TRIPBLANK-20191011	TRIP BLANK_20201209
	Laboratory Sample ID	L2473190-09	L2054985-04	L2170313-04	L2269127-04	L2371258-02	L2473190-06	L1947799-08	L2054985-05
	Date Sampled	12/13/2024	12/09/2020	12/21/2021	12/08/2022	12/4/2023	12/12/2024	10/09/2019	12/09/2020
	Unit	1	µg/L	µg/L	µg/L	1	1	µg/L	µg/L
	Dilution Factor	µg/L	1	1	1	µg/L	µg/L	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NR	2 U	2 U	2 U	NR	NR	2 U	2 U
1,4-Dioxane	NS	250 U	NR	NR	NR	250 R	250 U	NR	NR
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	3.8 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 UJ	5 U	5 R	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ
Carbon Disulfide	60	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	NR	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	NR	NR	NR	2.5 U	2.5 U	NR	NR
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.4 J	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	2 U	NR	NR	NR	2 U	2 U	NR	NR
p-Isopropyltoluene	5	2.5 U	NR	NR	NR	2.5 U	2.5 U	NR	NR
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.38 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	**5**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Vinyl Chloride	2	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 UJ
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 1A
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

	AKRF Sample ID	TRIP BLANK_20211221	TRIP BLANK_20221208	TRIP BLANK_20231204	TRIP BLANK_20241212
	Laboratory Sample ID	L2170313-05	L2269127-05	L2371258-03	L2473190-07
	Date Sampled	12/21/2021	12/08/2022	12/4/2023	12/12/2024
	Unit	µg/L	µg/L	1	1
	Dilution Factor	1	1	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 UJ	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	NR	NR
1,4-Dioxane	NS	NR	NR	250 R	250 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U
Acetone	50	1.9 J	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 UJ	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U
Carbon Disulfide	60	5 U	5 UJ	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 UJ	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	NR	NR
Dibromochloromethane	50	0.5 U	0.5 UJ	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	NR	NR	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	NR	NR	2 U	2 U
p-Isopropyltoluene	5	NR	NR	2.5 U	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 UJ	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 UJ	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	**5**	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 UJ	5 U
Vinyl Chloride	2	1 UJ	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U

Table 1B
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	PCW-MW-A-20191010	MW-A_20201210	MW-A_20211221	MW-A_20241213	PCW-MW-B-20191010	MW-B_20201210	MW-B_20211221
	Laboratory Sample ID	L1947799-01	L2055197-02	L2170313-01	L2473190-08	L1947799-02	L2055197-03	L2170313-02
	Date Sampled	10/10/2019	12/10/2020	12/21/2021	12/13/2024	10/10/2019	12/10/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	NR	NR	NR	5 U	NR	NR	NR
1,2-Dichlorobenzene	3	NR	NR	NR	2 U	NR	NR	NR
1,3-Dichlorobenzene	3	NR	NR	NR	2 U	NR	NR	NR
1,4-Dichlorobenzene	3	NR	NR	NR	2 U	NR	NR	NR
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.47	0.1 U	0.21	0.1 U	0.47
2-Methylphenol (O-Cresol)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	**20**	0.1 U	0.1 U	0.49	0.1 U	2.1	0.17	0.66
Acenaphthylene	NS	0.1 U	0.1 U	0.05 J	0.1 U	0.08 J	0.09 J	0.07 J
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	0.03 J	0.1 U	0.04 J	0.1 U	0.1	0.07 J	0.05 J
Benzo(a)Anthracene	**0.002**	0.1 U	0.1 U	**0.04 J**	0.1 U	**0.11**	**0.11**	**0.04 J**
Benzo(a)Pyrene	**ND**	0.1 U	0.1 U	**0.02 J**	0.1 U	**0.05 J**	**0.12**	**0.02 J**
Benzo(b)Fluoranthene	**0.002**	0.1 U	0.1 U	**0.03 J**	0.1 U	**0.04 J**	**0.1**	**0.02 J**
Benzo(g,h,i)Perylene	NS	0.1 U	0.1 U	0.02 J	0.1 U	0.03 J	0.07 J	0.1 U
Benzo(k)Fluoranthene	**0.002**	0.1 U	0.1 U	**0.01 J**	0.1 U	**0.01 J**	**0.05 J**	**0.01 J**
Benzoic Acid	NS	50 R	50 U	50 U	50 U	50 R	50 U	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	**5**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	3.1	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	**0.002**	0.1 U	0.1 U	**0.02 J**	0.1 U	**0.03 J**	**0.09 J**	**0.03 J**
Dibenz(a,h)Anthracene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
Di-N-Octylphthalate	50	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
Fluoranthene	50	0.1 U	0.1 U	0.1	0.1 U	0.2	0.17	0.18
Fluorene	50	0.1 U	0.1 U	0.24	0.1 U	0.16	0.04 J	0.25
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-c,d)Pyrene	**0.002**	0.1 U	0.1 U	**0.02 J**	0.1 U	**0.03 J**	**0.07 J**	**0.01 J**
Isophorone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	**10**	0.1 U	0.1 U	6.7	0.1 U	0.27	0.19	6.1
Nitrobenzene	**0.4**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.24 J	0.8 UJ	0.8 U	0.8 U	0.8 U	0.48 J	0.8 U
Phenanthrene	50	0.04 J	0.1 U	0.34	0.1 U	0.27	0.09 J	0.35
Phenol	**1**	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Pyrene	50	0.1 U	0.1 U	0.08 J	0.1 U	0.15	0.18	0.17

Table 1B
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-B_20241212	PCW-MW-C-20191010	MW-C_20201210	MW-C_20211221	MW-C_20221208	MW-C_20241212	PCW-MW-D-20191010
	Laboratory Sample ID	L2473190-04	L1947799-03	L2055197-04	L2170313-03	L2269127-03	L2473190-03	L1947799-04
	Date Sampled	12/12/2024	10/10/2019	12/10/2020	12/21/2021	12/08/2022	12/12/2024	10/10/2019
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	NR	NR	NR	NR	5 U	NR
1,2-Dichlorobenzene	3	2 U	NR	NR	NR	NR	2 U	NR
1,3-Dichlorobenzene	3	2 U	NR	NR	NR	NR	2 U	NR
1,4-Dichlorobenzene	3	2 U	NR	NR	NR	NR	2 U	NR
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.1 U	0.4	0.1 U	0.1 U	14
2-Methylphenol (O-Cresol)	NS	5 U	5 U	5 U	5 U	5 U	5 U	1.5 J
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
3- And 4- Methylphenol (Total)	NS	5 U	5 U	5 U	5 U	5 U	5 U	4.2 J
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 R	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	**20**	0.1 U	0.47	10	6	0.65	0.32	**21**
Acenaphthylene	NS	0.1 U	0.04 J	0.09 J	0.08 J	0.02 J	0.1 U	0.92
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U	5 U	2.6 J
Anthracene	50	0.1 U	0.03 J	0.07 J	0.06 J	0.1 U	0.1 U	4.2
Benzo(a)Anthracene	**0.002**	0.1 U	**0.07 J**	**0.05 J**	**0.03 J**	0.1 U	**0.08 J**	**0.23**
Benzo(a)Pyrene	**ND**	0.1 U	**0.04 J**	**0.02 J**	0.1 U	0.1 U	**0.04 J**	**0.03 J**
Benzo(b)Fluoranthene	**0.002**	0.1 U	**0.04 J**	**0.02 J**	**0.02 J**	0.1 U	**0.07 J**	**0.04 J**
Benzo(g,h,i)Perylene	NS	0.1 U	0.02 J	0.02 J	0.1 U	0.1 U	0.06 J	0.1 U
Benzo(k)Fluoranthene	**0.002**	0.1 U	**0.01 J**	**0.01 J**	0.1 U	0.1 U	**0.05 J**	**0.01 J**
Benzoic Acid	NS	50 U	50 R	50 UJ	50 U	50 U	50 U	46 JL
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U	2 U	28
Benzyl Butyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	**5**	2 U	2 U	2 U	2 U	2 U	2 U	3.9
Bis(2-Chloroethoxy) Methane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	3 U	3 U	3 U	3 U	3 UJ	3 U	3 U
Carbazole	NS	2 U	2 U	2 U	2 U	2 U	2 U	18
Chrysene	**0.002**	0.1 U	**0.02 J**	**0.03 J**	0.1 U	0.1 U	**0.05 J**	**0.12**
Dibenz(a,h)Anthracene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U	2 U	12
Diethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Di-N-Octylphthalate	50	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ
Fluoranthene	50	0.1 U	0.06 J	0.34	0.18	0.03 J	0.1 J	3.5
Fluorene	50	0.1 U	0.1 U	0.06 J	0.22	0.1 U	0.1 U	8.1
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-c,d)Pyrene	**0.002**	0.1 U	**0.02 J**	0.1 U	0.1 U	0.1 U	**0.06 J**	0.1 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	**10**	0.1 U	0.1 U	0.09 J	5.5	0.1 U	0.1 U	**40**
Nitrobenzene	**0.4**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	0.8 UJ	0.8 U	0.8 UJ	0.8 U	0.8 U
Phenanthrene	50	0.1 U	0.04 J	0.14	0.29	0.1 U	0.1 U	21
Phenol	**1**	**2.4 J**	5 U	5 U	5 U	5 U	5 U	**53**
Pyrene	50	0.1 U	0.08 J	0.35	0.19	0.03 J	0.08 J	2.2

Table 1B
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-D_20201209	MW-X_20201209	MW-D_20211223	MW-X_20211223	MW-D_20221208	MW-X_20221208	MW-D_20231204
	Laboratory Sample ID	L2054985-02	L2054985-03	L2170313-07	L2170313-08	L2269127-01	L2269127-02	L2371258-01
	Date Sampled	12/09/2020	12/09/2020	12/23/2021	12/23/2021	12/08/2022	12/08/2022	12/4/2023
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	1
	Dilution Factor	1	1	1	1	1	1	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	NR	NR	NR	NR	NR	NR	5 U
1,2-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR	2 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR	2 U
1,4-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 UJ	20 UJ	20 UJ
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	22	15	7.7 J	13 J	7.4	7	5.3
2-Methylphenol (O-Cresol)	NS	1.4 J	0.99 J	0.89 J	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U
3- And 4- Methylphenol (Total)	NS	4.2 J	3.1 J	3.2 J	2.8 J	2.1 J	1.9 J	0.68 J
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
4-Bromophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 UJ
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	**20**	**31**	**22**	16	20	12	12	9.4
Acenaphthylene	NS	1.7	1	0.64	0.83	0.95	0.82	1.3
Acetophenone	NS	3.3 J	2.4 J	2.5 J	2.2 J	1.7 J	1.5 J	0.99 J
Anthracene	50	8.4	6	4.2	4.3	4.4	4	2.7
Benzo(a)Anthracene	**0.002**	**0.46**	**0.32**	**0.29**	**0.27**	**0.35**	**0.33**	**0.2**
Benzo(a)Pyrene	**ND**	**0.12**	**0.04 J**	**0.03 J**	**0.02 J**	**0.05 J**	**0.05 J**	**0.05 J**
Benzo(b)Fluoranthene	**0.002**	**0.15**	**0.05 J**	**0.05 J**	**0.05 J**	**0.08 J**	**0.07 J**	**0.06 J**
Benzo(g,h,i)Perylene	NS	0.15	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.03 J
Benzo(k)Fluoranthene	**0.002**	**0.05 J**	**0.02 J**	**0.02 J**	**0.02 J**	**0.02 J**	**0.02 J**	**0.02 J**
Benzoic Acid	NS	58 J	47 J	49 J	40 J	44 J	43 J	13 J
Benzyl Alcohol	NS	15	12	9	8.2	2.4	2.7	2.8
Benzyl Butyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	**5**	**6.8**	**5.1**	3.4	4	2.1	2	1.5 J
Bis(2-Chloroethoxy) Methane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	3 U	3 U	3 U	3 U	3 U	1.5 J	3 U
Carbazole	NS	27	21	23	20	15	15	10 UJ
Chrysene	**0.002**	**0.3**	**0.2**	**0.13**	**0.15**	**0.16**	**0.17**	**0.1**
Dibenz(a,h)Anthracene	NS	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	NS	19	14	12	12	6.9	6.7	4.9
Diethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Di-N-Octylphthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Fluoranthene	50	5.9	4.1	4	4	2.6	2.6	1.7
Fluorene	50	12	8.6	7	7.8	5.6	5.3	4.3
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-c,d)Pyrene	**0.002**	**0.16**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.03 J**
Isophorone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	**10**	**58**	**41**	**24**	**32**	**17**	**16**	**16**
Nitrobenzene	**0.4**	2 U	2 U	2 U	2 U	2 UJ	**12**	2 U
N-Nitrosodi-N-Propylamine	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.42 J	0.34 J	0.16 J	0.18 J	0.34 J	0.32 J	0.31 J
Phenanthrene	50	31	22	18	19	12	12	6.4
Phenol	**1**	**31**	**24**	**44**	**38**	**43**	**37**	**7.1**
Pyrene	50	3.9	2.8	2.6	2.6	1.8	1.8	1.2

Table 1B
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-X_20231204	MW-D_20241212	MW-X_20241212	PCW-MW-E-20191009	PCW-MW-E-20191024	MW-E_20201209	MW-E_20211223
	Laboratory Sample ID	L2371258-04	L2473190-02	L2473190-05	L1947799-05	L1950465-01	L2054985-01	L2170313-09
	Date Sampled	12/4/2023	12/12/2024	12/12/2024	10/09/2019	10/24/2019	12/09/2020	12/23/2021
	Unit	1	1	1	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	µg/L	µg/L	µg/L	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	NR	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	NR	NR	NR	NR
1,2-Dichlorobenzene	3	2 U	2 U	2 U	NR	NR	NR	NR
1,3-Dichlorobenzene	3	2 U	2 U	2 U	NR	NR	NR	NR
1,4-Dichlorobenzene	3	2 U	2 U	2 U	NR	NR	NR	NR
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	NR	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	NR	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	NR	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	NR	5 U	5 U
2,4-Dinitrophenol	10	20 UJ	20 U	20 U	20 U	NR	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	NR	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	NR	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	NR	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	NR	2 U	2 U
2-Methylnaphthalene	NS	4.3	3.3	3.4	0.1 U	NR	0.1 U	0.09 J
2-Methylphenol (O-Cresol)	NS	5 U	5 U	5 U	5 U	NR	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	NR	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	NR	10 UJ	10 U
3- And 4- Methylphenol (Total)	NS	0.56 J	5 U	5 U	5 U	NR	5 U	5 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	NR	5 U	5 U
3-Nitroaniline	5	5 UJ	5 U	5 U	5 U	NR	5 U	5 U
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U	10 U	10 UJ	NR	10 U	10 U
4-Bromophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	NR	2 U	2 U
4-Chloro-3-Methylphenol	NS	2 U	2 U	2 U	2 U	NR	2 U	2 U
4-Chloroaniline	5	5 UJ	5 U	5 U	5 U	NR	5 UJ	5 U
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	NR	2 U	2 U
4-Nitroaniline	5	5 UJ	5 U	5 U	5 U	NR	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	NR	10 U	10 U
Acenaphthene	**20**	9.8	16	16	0.13	NR	5	1.1
Acenaphthylene	NS	1.2	0.62	0.58	0.1 U	NR	0.09 J	0.03 J
Acetophenone	NS	1 J	5 U	5 U	5 U	NR	5 U	5 U
Anthracene	50	3	2.1	2.8	0.03 J	NR	0.07 J	0.05 J
Benzo(a)Anthracene	**0.002**	**0.21**	**0.23**	**0.22**	**0.18**	NR	**0.09 J**	**0.03 J**
Benzo(a)Pyrene	**ND**	**0.05 J**	**0.06 J**	0.1 U	**0.04 J**	NR	**0.07 J**	0.1 U
Benzo(b)Fluoranthene	**0.002**	**0.07 J**	**0.11**	**0.05 J**	**0.05 J**	NR	**0.05 J**	0.1 U
Benzo(g,h,i)Perylene	NS	0.03 J	0.1 U	0.1 U	0.04 J	NR	0.05 J	0.1 U
Benzo(k)Fluoranthene	**0.002**	**0.04 J**	**0.09 J**	0.1 U	**0.01 J**	NR	**0.02 J**	0.1 U
Benzoic Acid	NS	14 J	6.8 J	10 J	50 U	NR	50 UJ	50 U
Benzyl Alcohol	NS	2.5	3.2	3.9	2 U	NR	2 U	2 U
Benzyl Butyl Phthalate	50	5 U	5 U	5 U	5 U	NR	5 U	5 U
Biphenyl (Diphenyl)	**5**	1.4 J	2.5	2.5	2 U	NR	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	5 U	5 U	5 U	5 U	NR	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U	2 U	2 U	NR	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U	2 U	2 U	NR	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	3 U	3 U	3 U	2 J	NR	3 U	3 U
Carbazole	NS	10 J-	13	14	2 U	NR	2 U	2 U
Chrysene	**0.002**	**0.11**	**0.18**	**0.11**	**0.05 J**	NR	**0.08 J**	0.1 U
Dibenz(a,h)Anthracene	NS	0.01 J	0.08 J	0.1 U	0.1 U	NR	0.1 U	0.1 U
Dibenzofuran	NS	5.2	6.7	6.1	2 U	NR	2 U	2 U
Diethyl Phthalate	50	5 U	5 U	5 U	5 U	NR	5 U	5 U
Dimethyl Phthalate	50	5 U	5 U	5 U	5 UJ	NR	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U	5 U	5 U	NR	5 U	5 UJ
Di-N-Octylphthalate	50	5 UJ	5 U	5 U	5 U	NR	5 U	5 U
Fluoranthene	50	1.9	3.6	3.5	0.09 J	NR	0.58	0.14
Fluorene	50	4.4	6.2	5.6	0.02 J	NR	0.06 J	0.07 J
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	NR	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	NR	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 UJ	20 U	20 U	20 UJ	NR	20 U	20 U
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	NR	0.8 U	0.8 U
Indeno(1,2,3-c,d)Pyrene	**0.002**	**0.03 J**	**0.09 J**	0.1 U	**0.03 J**	NR	**0.03 J**	0.1 U
Isophorone	50	5 U	5 U	5 U	5 U	NR	5 U	5 U
Naphthalene	**10**	**11**	3.1	4.1	0.1 U	NR	0.15	0.85
Nitrobenzene	**0.4**	2 U	2 U	2 U	2 U	NR	2 U	2 U
N-Nitrosodi-N-Propylamine	NS	5 U	5 U	5 U	5 U	NR	5 U	5 U
N-Nitrosodiphenylamine	50	2 U	2 U	2 U	2 U	NR	2 U	2 U
Pentachlorophenol	NS	0.34 J	0.22 J	0.28 J	0.8 UJ	NR	0.8 U	0.8 U
Phenanthrene	50	6.6	9.7	9.2	0.04 J	NR	0.07 J	0.15
Phenol	**1**	**6.1**	**3 J**	**3.2 J**	5 U	NR	5 U	5 U
Pyrene	50	1.4	2.4	2.3	0.11	NR	0.48	0.14

Table 1B
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-E_20241212	MW-F_20201210	MW-F_20211221	PCW-MW-F-20191011	PCW-MW-X-20191011	DUPE-06102019	PCW-MW-F-06102019
	Laboratory Sample ID	L2473190-01	L2055197-01	L2170313-06	L1947799-06	L1947799-07	L1924652-03	L1924652-02
	Date Sampled	12/12/2024	12/10/2020	12/21/2021	10/11/2019	10/11/2019	6/10/2019	6/10/2019
	Unit	1	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	µg/L	1	1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	NR	NR
1,2,4-Trichlorobenzene	5	5 U	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	3	2 U	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	3	2 U	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	3	2 U	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	NR	NR
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	NR	NR
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U	NR	NR
2,4-Dimethylphenol	50	5 U	5 U	5 UJ	5 U	5 U	NR	NR
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U	NR	NR
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	NR	NR
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	NR	NR
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NR	NR
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	NR	NR
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.06 J	1.3	0.84	NR	NR
2-Methylphenol (O-Cresol)	NS	5 U	5 U	5 U	0.81 J	0.63 J	NR	NR
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	NR	NR
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	NR	NR
3- And 4- Methylphenol (Total)	NS	5 U	5 U	5 U	2.5 J	2 J	NR	NR
3,3'-Dichlorobenzidine	5	5 U	5 R	5 UJ	5 U	5 U	NR	NR
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	NR	NR
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U	10 U	10 U	10 U	NR	NR
4-Bromophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	NR	NR
4-Chloro-3-Methylphenol	NS	2 U	2 U	2 U	2 U	2 U	NR	NR
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U	NR	NR
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	NR	NR
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	NR	NR
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	NR	NR
Acenaphthene	**20**	0.28	0.1 U	0.6	2.4	1.6	NR	NR
Acenaphthylene	NS	0.1 U	0.02 J	0.08 J	0.11	0.09 J	NR	NR
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U	NR	NR
Anthracene	50	0.1 U	0.13	0.19	0.63	0.52	NR	NR
Benzo(a)Anthracene	**0.002**	**0.05 J**	**0.05 J**	**0.03 J**	**0.08 J**	**0.07 J**	NR	NR
Benzo(a)Pyrene	**ND**	0.1 U	**0.03 J**	0.1 U	**0.02 J**	**0.02 J**	NR	NR
Benzo(b)Fluoranthene	**0.002**	0.1 U	**0.03 J**	0.1 U	**0.03 J**	**0.03 J**	NR	NR
Benzo(g,h,i)Perylene	NS	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	NR	NR
Benzo(k)Fluoranthene	**0.002**	0.1 U	**0.01 J**	0.1 U	**0.01 J**	0.1 U	NR	NR
Benzoic Acid	NS	50 U	50 U	50 U	26 JL	20 JL	NR	NR
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U	NR	NR
Benzyl Butyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	NR	NR
Biphenyl (Diphenyl)	**5**	2 U	2 U	2 U	2 U	2 U	NR	NR
Bis(2-Chloroethoxy) Methane	5	5 U	5 U	5 U	5 U	5 U	NR	NR
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U	2 U	2 U	2 U	NR	NR
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U	2 U	2 U	2 U	NR	NR
Bis(2-Ethylhexyl) Phthalate	5	3 U	3 U	3 U	3 U	3 U	NR	NR
Carbazole	NS	2 U	2 U	2 U	1.5 J	1.2 J	NR	NR
Chrysene	**0.002**	0.1 U	**0.03 J**	0.1 U	**0.04 J**	**0.03 J**	NR	NR
Dibenz(a,h)Anthracene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NR	NR
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U	NR	NR
Diethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	NR	NR
Dimethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	NR	NR
Di-N-Butyl Phthalate	50	5 U	5 U	5 UJ	5 U	5 U	NR	NR
Di-N-Octylphthalate	50	5 U	5 UJ	5 U	5 U	5 U	NR	NR
Fluoranthene	50	0.17	0.15	0.1 J	0.43	0.32	NR	NR
Fluorene	50	0.03 J	0.02 J	0.32	0.46	0.32	NR	NR
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NR	NR
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NR	NR
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 UJ	20 UJ	NR	NR
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NR	NR
Indeno(1,2,3-c,d)Pyrene	**0.002**	0.1 U	**0.02 J**	0.1 U	0.1 U	0.1 U	NR	NR
Isophorone	50	5 U	5 U	5 U	5 U	5 U	NR	NR
Naphthalene	**10**	0.1 U	0.1 U	0.15	4.8	3.1	NR	NR
Nitrobenzene	**0.4**	2 U	2 U	2 U	2 U	2 U	NR	NR
N-Nitrosodi-N-Propylamine	NS	5 U	5 U	5 U	5 U	5 U	NR	NR
N-Nitrosodiphenylamine	50	2 U	2 U	2 U	2 U	2 U	NR	NR
Pentachlorophenol	NS	0.8 U	0.8 UJ	0.8 U	0.8 UJ	0.8 UJ	NR	NR
Phenanthrene	50	0.1 U	0.06 J	0.51	0.07 J	0.05 J	NR	NR
Phenol	**1**	**1.1 J**	5 U	5 U	**17**	**14**	NR	NR
Pyrene	50	0.18	0.13	0.08 J	0.34	0.25	NR	NR

Table 1B
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-F_20241213	FIELD BLANK_20201209	FIELD BLANK_20211221	FIELD BLANK_20221208	FIELD BLANK_20231204	FIELD BLANK_20241212
	Laboratory Sample ID	L2473190-09	L2054985-04	L2170313-04	L2269127-04	L2371258-02	L2473190-06
	Date Sampled	12/13/2024	12/09/2020	12/21/2021	12/08/2022	12/4/2023	12/12/2024
	Unit	1	µg/L	µg/L	µg/L	1	1
	Dilution Factor	µg/L	1	1	1	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	NR	NR	NR	5 U	5 U
1,2-Dichlorobenzene	3	2 U	NR	NR	NR	2 U	2 U
1,3-Dichlorobenzene	3	2 U	NR	NR	NR	2 U	2 U
1,4-Dichlorobenzene	3	2 U	NR	NR	NR	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 UJ	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 UJ	20 UJ	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	NS	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 UJ	10 U	10 UJ	10 U	10 U
3- And 4- Methylphenol (Total)	NS	5 U	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U	10 U	10 UJ	10 U	10 U
4-Bromophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	NS	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	**20**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	0.05 J	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U
Benzo(a)Anthracene	**0.002**	**0.09 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)Pyrene	**ND**	**0.1 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(b)Fluoranthene	**0.002**	**0.12**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)Perylene	NS	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(k)Fluoranthene	**0.002**	**0.07 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzoic Acid	NS	50 U	50 UJ	50 U	50 U	50 U	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	**5**	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	3 U	1.5 J	3 U	3 U	3 U	3 U
Carbazole	NS	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	**0.002**	**0.07 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(a,h)Anthracene	NS	0.05 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U	5 UJ	5 U	5 U	5 U
Di-N-Octylphthalate	50	5 U	5 U	5 U	5 U	5 UJ	5 U
Fluoranthene	50	0.11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluorene	50	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.02 J	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 UJ	20 U
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-c,d)Pyrene	**0.002**	**0.1**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	**10**	0.03 J	0.1 U	0.1 U	0.08 J	0.05 J	0.1 U
Nitrobenzene	**0.4**	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	NS	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	0.8 U	0.8 UJ	0.8 U	0.09 J
Phenanthrene	50	0.05 J	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U
Phenol	**1**	5 U	5 U	5 U	5 U	5 U	**1.2 J**
Pyrene	50	0.12	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	PCW-MW-A-20191010	PCW-MW-A-20191010	MW-A_20201210	MW-A_20201210	MW-A_20211221
	Laboratory Sample ID	L1947799-01	L1947799-01	L2055197-02	L2055197-02	L2170313-01
	Date Sampled	10/10/2019	10/10/2019	12/10/2020	12/10/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	10	1	50	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	100 U	10 U	NR	NR
Antimony	**3**	NR	40 U	1.29 J	NR	0.55 J
Arsenic	25	NR	3.23 J	2.35	NR	1.35
Barium	1,000	NR	244.5	71.5	NR	NR
Beryllium	3	NR	5 U	0.5 U	NR	0.5 U
Cadmium	5	NR	2 U	0.2 U	NR	0.2 U
Calcium	NS	NR	322,000 J	50,700	NR	NR
Chromium, Total	50	NR	17.64	0.48 J	NR	0.69 J
Cobalt	NS	NR	5 U	0.5 U	NR	NR
Copper	200	NR	11.02	3.39	NR	2.42
Iron	**300**	NR	500 U	50 U	NR	NR
Lead	25	NR	10 U	1 U	NR	1 U
Magnesium	**35,000**	NR	**334,000 J**	**174,000**	NR	NR
Manganese	**300**	NR	10 U	0.83 J	NR	NR
Mercury	**0.7**	0.2 U	NR	0.2 U	NR	0.2 U
Nickel	100	NR	20 U	0.78 J	NR	0.88 J
Potassium	NS	NR	119,000	50,400	NR	NR
Selenium	10	NR	50 U	5 U	NR	5 U
Silver	50	NR	4 U	0.4 U	NR	0.4 U
Sodium	**20,000**	NR	**3,650,000 J**	NR	**1,660,000 D**	NR
Thallium	**0.5**	NR	5 U	1 U	NR	1 U
Vanadium	NS	NR	50 U	5.29	NR	NR
Zinc	2,000	NR	100 U	4.82 J	NR	15 U

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	PCW-MW-B-20191010	MW-B_20201210	MW-B_20201210	MW-B_20211221	PCW-MW-C-20191010
	Laboratory Sample ID	L1947799-02	L2055197-03	L2055197-03	L2170313-02	L1947799-03
	Date Sampled	10/10/2019	12/10/2020	12/10/2020	12/21/2021	10/10/2019
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	50	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	7.69 J	14	NR	NR	NR
Antimony	**3**	4 U	1.08 J	NR	4 U	NR
Arsenic	25	1.81	2.91	NR	1.66	NR
Barium	1,000	469.7	194.7	NR	NR	NR
Beryllium	3	0.5 U	0.5 U	NR	0.5 U	NR
Cadmium	5	0.2 U	0.2 U	NR	0.2 U	NR
Calcium	NS	174,000	74,000	NR	NR	NR
Chromium, Total	50	1.04	4.59	NR	0.29 J	NR
Cobalt	NS	0.24 J	0.51	NR	NR	NR
Copper	200	0.89 J	3.9	NR	1.18	NR
Iron	**300**	95.8	67.2	NR	NR	NR
Lead	25	1 U	1 U	NR	1 U	NR
Magnesium	**35,000**	**250,000**	**131,000**	NR	NR	NR
Manganese	**300**	**325.8**	91.82	NR	NR	NR
Mercury	**0.7**	0.2 U	0.2 U	NR	0.2 U	0.2 U
Nickel	100	1.7 J	2.32	NR	1.17 J	NR
Potassium	NS	73,500	50,800	NR	NR	NR
Selenium	10	5 U	5 U	NR	5 U	NR
Silver	50	0.4 U	0.4 U	NR	0.4 U	NR
Sodium	**20,000**	**2,450,000**	NR	**1,530,000 D**	NR	NR
Thallium	**0.5**	0.5 U	1 U	NR	1 U	NR
Vanadium	NS	5 U	2.97 J	NR	NR	NR
Zinc	2,000	10 U	10 U	NR	15 U	NR

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	PCW-MW-C-20191010	MW-C_20201210	MW-C_20201210	MW-C_20211221	PCW-MW-D-20191010
	Laboratory Sample ID	L1947799-03	L2055197-04	L2055197-04	L2170313-03	L1947799-04
	Date Sampled	10/10/2019	12/10/2020	12/10/2020	12/21/2021	10/10/2019
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	10	1	50	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	100 U	5.63 J	NR	NR	NR
Antimony	**3**	40 U	4 U	NR	4 U	NR
Arsenic	25	5 U	0.32 J	NR	0.5 U	NR
Barium	1,000	169.9	107.4	NR	NR	NR
Beryllium	3	5 U	0.5 U	NR	0.5 U	NR
Cadmium	5	2 U	0.2 U	NR	0.2 U	NR
Calcium	NS	194,000	62,900	NR	NR	NR
Chromium, Total	50	3.31 J	1 U	NR	0.59 J	NR
Cobalt	NS	5 U	0.27 J	NR	NR	NR
Copper	200	5.22 J	1 U	NR	1 U	NR
Iron	**300**	500 U	44.9 J	NR	NR	NR
Lead	25	10 U	1 U	NR	1 U	NR
Magnesium	**35,000**	**404,000**	**138,000**	NR	NR	NR
Manganese	**300**	81.59	**307.5**	NR	NR	NR
Mercury	**0.7**	NR	0.2 U	NR	0.2 U	0.15 J
Nickel	100	20 U	2 U	NR	1.03 J	NR
Potassium	NS	120,000	48,100	NR	NR	NR
Selenium	10	50 U	5 U	NR	5 U	NR
Silver	50	4 U	0.4 U	NR	0.4 U	NR
Sodium	**20,000**	**3,700,000**	NR	**1,550,000 D**	NR	NR
Thallium	**0.5**	5 U	1 U	NR	1 U	NR
Vanadium	NS	50 U	5 U	NR	NR	NR
Zinc	2,000	100 U	10 U	NR	15 U	NR

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	PCW-MW-D-20191010	MW-D_20201209	MW-D_20201209	MW-X_20201209	MW-X_20201209
	Laboratory Sample ID	L1947799-04	L2054985-02	L2054985-02	L2054985-03	L2054985-03
	Date Sampled	10/10/2019	12/09/2020	12/09/2020	12/09/2020	12/09/2020
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	10	1	5	1	5
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	247	NR	240	NR	235
Antimony	**3**	40 U	NR	**14.91 J**	NR	**5.66 J**
Arsenic	25	3.53 J	NR	2.54	NR	2.03 J
Barium	1,000	568.7	NR	225.3	NR	216.1
Beryllium	3	5 U	NR	2.5 U	NR	2.5 U
Cadmium	5	2 U	NR	1 U	NR	1 U
Calcium	NS	653,000	NR	304,000	NR	294,000
Chromium, Total	50	2.5 J	NR	5 U	NR	5 U
Cobalt	NS	1.76 J	NR	1.84 J	NR	1.9 J
Copper	200	10 U	NR	6.5	NR	8.34
Iron	**300**	500 U	NR	250 U	NR	250 U
Lead	25	10 U	NR	5 U	NR	5 U
Magnesium	**35,000**	700 U	NR	350 U	NR	350 U
Manganese	**300**	10 U	NR	3.24 J	NR	5 U
Mercury	**0.7**	NR	0.2 U	NR	0.2 U	NR
Nickel	100	24.53	NR	20.09	NR	19.08
Potassium	NS	157,000	NR	135,000	NR	133,000
Selenium	10	50 U	NR	25 U	NR	25 U
Silver	50	4 U	NR	2 U	NR	2 U
Sodium	**20,000**	**3,120,000**	NR	**1,390,000**	NR	**1,370,000**
Thallium	**0.5**	5 U	NR	5 U	NR	5 U
Vanadium	NS	50 U	NR	25 U	NR	25 U
Zinc	2,000	100 U	NR	50 U	NR	50 U

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	MW-D_20211223	MW-X_20211223	PCW-MW-E-20191009	PCW-MW-E-20191009	MW-E_20201209
	Laboratory Sample ID	L2170313-07	L2170313-08	L1947799-05	L1947799-05	L2054985-01
	Date Sampled	12/23/2021	12/23/2021	10/09/2019	10/09/2019	12/09/2020
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	10	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	NR	NR	52.8 J	NR
Antimony	**3**	4 U	4 U	NR	40 U	NR
Arsenic	25	2.03	2	NR	2.4 J	NR
Barium	1,000	NR	NR	NR	69.5	NR
Beryllium	3	0.5 U	0.5 U	NR	5 U	NR
Cadmium	5	0.2 U	0.2 U	NR	2 U	NR
Calcium	NS	NR	NR	NR	103,000	NR
Chromium, Total	50	1 U	1 U	NR	6.6 J	NR
Cobalt	NS	NR	NR	NR	5 U	NR
Copper	200	1.31	1.45	NR	48.14	NR
Iron	**300**	NR	NR	NR	500 U	NR
Lead	25	1 U	1 U	NR	10 U	NR
Magnesium	**35,000**	NR	NR	NR	**206,000**	NR
Manganese	**300**	NR	NR	NR	12.79	NR
Mercury	**0.7**	0.25	0.23	0.2 U	NR	0.2 U
Nickel	100	11.84	11.2	NR	20 U	NR
Potassium	NS	NR	NR	NR	77,800	NR
Selenium	10	1.74 J	1.73 J	NR	50 U	NR
Silver	50	0.4 U	0.4 U	NR	4 U	NR
Sodium	**20,000**	NR	NR	NR	**2,110,000**	NR
Thallium	**0.5**	1 U	1 U	NR	5 U	NR
Vanadium	NS	NR	NR	NR	50 U	NR
Zinc	2,000	15 U	15 U	NR	100 U	NR

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	MW-E_20201209	MW-E_20211223	PCW-MW-F-20191011	PCW-MW-X-20191011	MW-F_20201210
	Laboratory Sample ID	L2054985-01	L2170313-09	L1947799-06	L1947799-07	L2055197-01
	Date Sampled	12/09/2020	12/23/2021	10/11/2019	10/11/2019	12/10/2020
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	5	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	50 U	NR	65.4 J	212 J	4.62 J
Antimony	**3**	2.82 JK	0.58 J	2.21 J	2.87 J	**5.47**
Arsenic	25	2.02 J	0.73	12.16	16.45	0.72
Barium	1,000	59.13	NR	96.15	89.43	85.55
Beryllium	3	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	1 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	NS	101,000	NR	74,700	66,900	130,000
Chromium, Total	50	5 U	0.25 J	0.39 J	0.58 J	1 U
Cobalt	NS	2.5 U	NR	2.21	2.2	2.62
Copper	200	5 U	0.99 J	1 U	1 U	5.25
Iron	**300**	250 U	NR	**363**	**486**	42.1 J
Lead	25	5 U	1 U	1 U	0.36 J	0.96 J
Magnesium	**35,000**	**192,000**	NR	8,370	6,850	23,700
Manganese	**300**	30.6	NR	**380.9**	298.1	172.8
Mercury	**0.7**	NR	0.2 U	**1.64**	**3.3**	0.2 U
Nickel	100	10 U	0.59 J	2.58	3.51	4.11
Potassium	NS	63,800	NR	28,000	30,400	18,700
Selenium	10	25 R	5 U	5 U	5 U	4.72 J
Silver	50	2 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	**20,000**	**1,780,000**	NR	**198,000**	**199,000**	**126,000**
Thallium	**0.5**	**1.41 J**	1 U	0.5 U	0.5 U	0.32 J
Vanadium	NS	25 U	NR	2.29 J	3.96 J	5 U
Zinc	2,000	50 U	15 U	10 U	10 U	7.34 J

Table 1C
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Dissolved)

	AKRF Sample ID	MW-F_20211221	FIELD BLANK_20201209	FIELD BLANK_20211221
	Laboratory Sample ID	L2170313-06	L2054985-04	L2170313-04
	Date Sampled	12/21/2021	12/09/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	70.3	NR
Antimony	**3**	2.07 J	4 U	4 U
Arsenic	25	2.36	0.5 U	0.5 U
Barium	1,000	NR	0.38 J	NR
Beryllium	3	0.5 U	0.5 U	0.5 U
Cadmium	5	0.2 U	0.2 U	0.2 U
Calcium	NS	NR	52.3 J	NR
Chromium, Total	50	1 U	1 U	1 U
Cobalt	NS	NR	0.5 U	NR
Copper	200	2.09	1 U	1 U
Iron	**300**	NR	50 U	NR
Lead	25	1 U	1 U	1 U
Magnesium	**35,000**	NR	70 U	NR
Manganese	**300**	NR	0.44 J	NR
Mercury	**0.7**	0.09 J	0.2 U	0.2 U
Nickel	100	1.59 J	2 U	2 U
Potassium	NS	NR	100 U	NR
Selenium	10	5 U	5 U	5 U
Silver	50	0.4 U	0.4 U	0.4 U
Sodium	**20,000**	NR	286	NR
Thallium	**0.5**	1 U	1 U	1 U
Vanadium	NS	NR	5 U	NR
Zinc	2,000	15 U	10 U	15 U

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	PCW-MW-A-20191010	PCW-MW-A-20191010	MW-A_20201210	MW-A_20201210	MW-A_20211221
	Laboratory Sample ID	L1947799-01	L1947799-01	L2055197-02	L2055197-02	L2170313-01
	Date Sampled	10/10/2019	10/10/2019	12/10/2020	12/10/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	10	1	10	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	81.4 J	NR	100 U	NR
Antimony	**3**	NR	**11.17 JK**	NR	40 U	0.67 J
Arsenic	25	NR	4.45 J	NR	3 J	1.47
Barium	1,000	NR	207	NR	66.85	NR
Beryllium	3	NR	5 U	NR	5 U	0.5 U
Cadmium	5	NR	2 U	NR	2 U	0.2 U
Calcium	NS	NR	321,000	NR	76,800	NR
Chromium, Total	50	NR	14.26	NR	10 U	1.53
Cobalt	NS	NR	5 U	NR	5 U	NR
Copper	200	NR	11.16	NR	10 U	4.84
Iron	**300**	NR	284 JK	NR	700 U	NR
Lead	25	NR	10 U	NR	10 U	1.68
Magnesium	**35,000**	NR	**358,000**	NR	**176,000**	NR
Manganese	**300**	NR	8.2 J	NR	6.56 J	NR
Mercury	**0.7**	0.2 U	NR	0.2 U	NR	0.2 U
Nickel	100	NR	20 U	NR	20 U	1.3 J
Potassium	NS	NR	123,000	NR	60,500	NR
Selenium	10	NR	50 U	NR	50 U	5 U
Silver	50	NR	4 U	NR	4 U	0.4 U
Sodium	**20,000**	NR	**3,740,000 J**	NR	**1,640,000**	NR
Thallium	**0.5**	NR	**3 J**	NR	10 U	1 U
Vanadium	NS	NR	50 U	NR	50 U	NR
Zinc	2,000	NR	100 U	NR	100 U	6.86 J

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	PCW-MW-B-20191010	PCW-MW-B-20191010	MW-B_20201210	MW-B_20201210	MW-B_20211221
	Laboratory Sample ID	L1947799-02	L1947799-02	L2055197-03	L2055197-03	L2170313-02
	Date Sampled	10/10/2019	10/10/2019	12/10/2020	12/10/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	10	1	10	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	79.8 J	NR	226	NR
Antimony	**3**	NR	**5.35 J**	NR	40 U	4 U
Arsenic	25	NR	2.12 J	NR	3.23 J	1.73
Barium	1,000	NR	421.8	NR	193.7	NR
Beryllium	3	NR	5 U	NR	5 U	0.5 U
Cadmium	5	NR	2 U	NR	2 U	0.2 U
Calcium	NS	NR	239,000	NR	116,000	NR
Chromium, Total	50	NR	10 U	NR	6.55 J	1.25
Cobalt	NS	NR	5 U	NR	5 U	NR
Copper	200	NR	10 U	NR	9.05 J	2.28
Iron	**300**	NR	**500**	NR	**543 J**	NR
Lead	25	NR	10 U	NR	10 U	1.38
Magnesium	**35,000**	NR	**278,000**	NR	**138,000**	NR
Manganese	**300**	NR	**368.6**	NR	128	NR
Mercury	**0.7**	0.2 U	NR	0.2 U	NR	0.2 U
Nickel	100	NR	20 U	NR	20 U	1.6 J
Potassium	NS	NR	89,800	NR	64,900	NR
Selenium	10	NR	50 U	NR	50 U	5 U
Silver	50	NR	4 U	NR	4 U	0.4 U
Sodium	**20,000**	NR	**2,670,000**	NR	**1,410,000**	NR
Thallium	**0.5**	NR	**1.99 J**	NR	**2.49 J**	1 U
Vanadium	NS	NR	50 U	NR	50 U	NR
Zinc	2,000	NR	100 U	NR	100 U	10 U

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	PCW-MW-C-20191010	PCW-MW-C-20191010	MW-C_20201210	MW-C_20201210	MW-C_20211221
	Laboratory Sample ID	L1947799-03	L1947799-03	L2055197-04	L2055197-04	L2170313-03
	Date Sampled	10/10/2019	10/10/2019	12/10/2020	12/10/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	10	1	10	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	62.4 J	NR	60.7 J	NR
Antimony	**3**	NR	40 U	NR	40 U	4 U
Arsenic	25	NR	5 U	NR	5 U	0.86
Barium	1,000	NR	148.6	NR	106.1	NR
Beryllium	3	NR	5 U	NR	5 U	0.5 U
Cadmium	5	NR	2 U	NR	2 U	0.2 U
Calcium	NS	NR	186,000	NR	118,000	NR
Chromium, Total	50	NR	10 U	NR	10 U	1.29
Cobalt	NS	NR	5 U	NR	5 U	NR
Copper	200	NR	5.58 J	NR	10 U	4.07
Iron	**300**	NR	**422 J**	NR	250 J	NR
Lead	25	NR	10 U	NR	10 U	0.53 J
Magnesium	**35,000**	NR	**424,000**	NR	**154,000**	NR
Manganese	**300**	NR	90.31	NR	**392.6**	NR
Mercury	**0.7**	0.2 U	NR	0.2 U	NR	0.2 U
Nickel	100	NR	20 U	NR	20 U	1.45 J
Potassium	NS	NR	115,000	NR	61,500	NR
Selenium	10	NR	50 U	NR	50 U	5 U
Silver	50	NR	4 U	NR	4 U	0.4 U
Sodium	**20,000**	NR	**3,770,000**	NR	**1,550,000**	NR
Thallium	**0.5**	NR	**1.52 J**	NR	10 U	1 U
Vanadium	NS	NR	50 U	NR	50 U	NR
Zinc	2,000	NR	100 U	NR	100 U	10 U

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	PCW-MW-D-20191010	PCW-MW-D-20191010	MW-D_20201209	MW-D_20201209	MW-X_20201209
	Laboratory Sample ID	L1947799-04	L1947799-04	L2054985-02	L2054985-02	L2054985-03
	Date Sampled	10/10/2019	10/10/2019	12/09/2020	12/09/2020	12/09/2020
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	10	1	5	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	293	NR	236	NR
Antimony	**3**	NR	40 U	NR	20 U	NR
Arsenic	25	NR	4.28 J	NR	2.27 J	NR
Barium	1,000	NR	540.2	NR	205.2	NR
Beryllium	3	NR	5 U	NR	2.5 U	NR
Cadmium	5	NR	2 U	NR	1 U	NR
Calcium	NS	NR	644,000	NR	268,000	NR
Chromium, Total	50	NR	10 U	NR	5 U	NR
Cobalt	NS	NR	5 U	NR	1.85 J	NR
Copper	200	NR	4.14 J	NR	11.3	NR
Iron	**300**	NR	212 J	NR	250 U	NR
Lead	25	NR	10 U	NR	5 U	NR
Magnesium	**35,000**	NR	700 U	NR	350 U	NR
Manganese	**300**	NR	10 U	NR	5 U	NR
Mercury	**0.7**	0.16 J	NR	0.2 U	NR	0.2 U
Nickel	100	NR	23.18	NR	18.71	NR
Potassium	NS	NR	158,000	NR	123,000	NR
Selenium	10	NR	50 U	NR	25 U	NR
Silver	50	NR	4 U	NR	2 U	NR
Sodium	**20,000**	NR	**3,230,000**	NR	**1,280,000**	NR
Thallium	**0.5**	NR	10 U	NR	5 U	NR
Vanadium	NS	NR	50 U	NR	25 U	NR
Zinc	2,000	NR	100 U	NR	50 U	NR

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	MW-X_20201209	MW-D_20211223	MW-X_20211223	PCW-MW-E-20191009	PCW-MW-E-20191009
	Laboratory Sample ID	L2054985-03	L2170313-07	L2170313-08	L1947799-05	L1947799-05
	Date Sampled	12/09/2020	12/23/2021	12/23/2021	10/09/2019	10/09/2019
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	5	1	1	1	10
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	260	NR	NR	NR	414
Antimony	**3**	20 U	4 U	4 U	NR	**27.16 J**
Arsenic	25	2.41 J	2.08	2.03	NR	2.7 J
Barium	1,000	221	NR	NR	NR	66.66
Beryllium	3	2.5 U	0.5 U	0.5 U	NR	5 U
Cadmium	5	1 U	0.2 U	0.2 U	NR	2 U
Calcium	NS	287,000	NR	NR	NR	107,000
Chromium, Total	50	5 U	1.81	1.5	NR	4.41 J
Cobalt	NS	1.99 J	NR	NR	NR	5 U
Copper	200	14.24	3.59	3.28	NR	59.7
Iron	**300**	250 U	NR	NR	NR	**1,270**
Lead	25	2.13 J	1.17	1.06	NR	10 U
Magnesium	**35,000**	248 J	NR	NR	NR	**223,000**
Manganese	**300**	5 U	NR	NR	NR	23.5
Mercury	**0.7**	NR	0.19 J	0.16 J	0.2 U	NR
Nickel	100	20.01	10.72	10.81	NR	20 U
Potassium	NS	131,000	NR	NR	NR	80,700
Selenium	10	25 U	5 U	5 U	NR	50 U
Silver	50	2 U	0.4 U	0.4 U	NR	4 U
Sodium	**20,000**	**1,370,000**	NR	NR	NR	**2,210,000**
Thallium	**0.5**	5 U	1 U	1 U	NR	**7.09 J**
Vanadium	NS	25 U	NR	NR	NR	50 U
Zinc	2,000	50 U	10 U	10 U	NR	100 U

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	MW-E_20201209	MW-E_20201209	MW-E_20211223	PCW-MW-F-20191011	PCW-MW-X-20191011
	Laboratory Sample ID	L2054985-01	L2054985-01	L2170313-09	L1947799-06	L1947799-07
	Date Sampled	12/09/2020	12/09/2020	12/23/2021	10/11/2019	10/11/2019
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	5	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	30.3 J	NR	331	414
Antimony	**3**	NR	**17.98 J**	4 U	**3.9 J**	**4.26**
Arsenic	25	NR	2.14 J	0.74	18.49	20.27
Barium	1,000	NR	54.65	NR	95.72	89.1
Beryllium	3	NR	2.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	NR	1 U	0.13 J	0.2 U	0.2 U
Calcium	NS	NR	97,500	NR	67,800	65,800
Chromium, Total	50	NR	5 U	0.65 J	1.15	1.15
Cobalt	NS	NR	2.5 U	NR	1.85	2.09
Copper	200	NR	3.12 J	3.36	1.96	1.91
Iron	**300**	NR	148 J	NR	**3,710**	**3,580**
Lead	25	NR	5 U	1 U	3.72	4.26
Magnesium	**35,000**	NR	**183,000**	NR	8,040	7,560
Manganese	**300**	NR	23.91	NR	**378.2**	**359.9**
Mercury	**0.7**	0.2 U	NR	0.2 U	**8.48**	**9.44**
Nickel	100	NR	10 U	0.67 J	3.44	3.86
Potassium	NS	NR	59,700	NR	27,400	28,000
Selenium	10	NR	25 U	5 U	5 U	5 U
Silver	50	NR	2 U	0.4 U	0.4 U	0.4 U
Sodium	**20,000**	NR	**1,660,000**	NR	**196,000**	**200,000**
Thallium	**0.5**	NR	**2.24 J**	1 U	1 U	1 U
Vanadium	NS	NR	25 U	NR	4.9 J	5.55
Zinc	2,000	NR	50 U	10 U	4.61 J	4.83 J

Table 1D
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Metals (Total)

	AKRF Sample ID	MW-F_20201210	MW-F_20211221	FIELD BLANK_20201209	FIELD BLANK_20211221
	Laboratory Sample ID	L2055197-01	L2170313-06	L2054985-04	L2170313-04
	Date Sampled	12/10/2020	12/21/2021	12/09/2020	12/21/2021
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	15.4	NR	10 U	NR
Antimony	**3**	**5.58**	1.99 J	4 U	4 U
Arsenic	25	0.65	3.19	0.5 U	0.5 U
Barium	1,000	81.92	NR	0.5 U	NR
Beryllium	3	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	NS	124,000	NR	52 J	NR
Chromium, Total	50	1 U	0.32 J	1 U	1 U
Cobalt	NS	2.47	NR	0.5 U	NR
Copper	200	5.5	2.79	1 U	1 U
Iron	**300**	126	NR	50 U	NR
Lead	25	1.95	2.03	1 U	1 U
Magnesium	**35,000**	22,600	NR	70 U	NR
Manganese	**300**	169.6	NR	1 U	NR
Mercury	**0.7**	0.14 J	0.48	0.2 U	0.2 U
Nickel	100	3.9	2.02	2 U	2 U
Potassium	NS	17,900	NR	100 U	NR
Selenium	10	4.87 J	5 U	5 U	5 U
Silver	50	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	**20,000**	**118,000**	NR	244	NR
Thallium	**0.5**	0.35 J	1 U	1 U	1 U
Vanadium	NS	5 U	NR	5 U	NR
Zinc	2,000	7.81 J	4.66 J	10 U	10 U

Table 1E
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Emerging Contaminants - Per- and Polyfluoroalkyl Substances (PFAS)

	AKRF Sample ID	PCW-MW-A-06102019	PCW-MW-F-06102019	DUPE-06102019	PCW-MW-E-20191024
	Laboratory Sample ID	L1924652-01	L1924652-02	L1924652-03	L1924652-01
	Date Sampled	6/10/2019	6/10/2019	6/10/2019	10/24/2019
	Unit	ng/L	ng/L	ng/L	ng/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	1.33 U	1.96 J	2.34	1.88 U
8:2 Fluorotelomer sulfonate	NS	1.21 U	1.24 U	1.22 U	1.88 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	0.81 U	2.78	3.05	1.88 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	0.65 U	0.66 U	0.65 U	1.88 U
Perfluorobutanesulfonic acid	NS	0.65 J	3.11	2.9	1.45 J
Perfluorobutanoic acid	NS	0.16 J	9.24	10	2.69
Perfluorodecanesulfonic acid	NS	0.98 U	1 U	0.98 U	1.88 U
Perfluorodecanoic acid	NS	0.48 J	1.74 J	1.96 J	1.88 U
Perfluorododecanoic acid	NS	0.37 U	0.38 U	0.37 U	1.88 U
Perfluoroheptanesulfonic acid	NS	0.69 U	1.1 J	0.69 U	1.88 U
Perfluoroheptanoic acid	NS	0.82 J	8.37	8.64	2.08
Perfluorohexanesulfonic acid	NS	0.96 J	22.9	24.5	3.06
Perfluorohexanoic acid	NS	1.52 J	12.8	12.7	4
Perfluorononanoic acid	NS	5.12 J	4.97	5.41	0.774 J
Perfluorooctanesulfonic acid	NS	6.19	78.3	73.4	6.71
Perfluorooctanoic acid	NS	2.18	31.5	31.3	5.33
Perfluoropentanoic acid	NS	2.21	10.9	11.3	4.68
Perfluorotetradecanoic acid	NS	2.48 U	0.25 U	0.25 U	1.88 U
Perfluorotridecanoic acid	NS	0.33 U	0.33 U	0.33 U	1.88 U
Perfluoroundecanoic acid	NS	0.26 U	0.4 J	0.31 J	1.88 U
Perfluroroctanesulfonamide	NS	0.58 U	0.1 J	1.4 J	1.88 U
Total PFAS	NS	21.27	190.17	189.21	30.774

Table 1F
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Emerging Contaminants - 1,4-Dioxane

AKRF Sample ID		PCW-MW-A-06102019	MW_A_20201210	MW_B_20201210	MW_C_20201210	MW-C_20221208
Laboratory Sample ID		L1924652-01	L2055197-02	L2055197-03	L2055197-04	L2269127-03
Date Sampled		6/10/2019 12:30:00 AM	12/10/2020	12/10/2020	12/10/2020	12/08/2022
Unit		µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	NS	0.0339 U	250 U	250 U	250 U	250 R

Table 1F
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Emerging Contaminants - 1,4-Dioxane

AKRF Sample ID		MW_D_20201209	MW-D_20221208	MW-X_20221208	PCW-MW-E-20191024	MW_E_20201209
Laboratory Sample ID		L2054985-02	L2269127-01	L2269127-02	L1950465-01	L2054985-01
Date Sampled		12/9/2020	12/08/2022	12/08/2022	10/24/2019 10:05:00 AM	12/9/2020
Unit		µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	NS	250 U	250 R	250 R	20	250 U

Table 1F
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Emerging Contaminants - 1,4-Dioxane

	AKRF Sample ID	PCW-MW-F-06102019	MW_F_20201210	DUPE-06102019	MW_X_20201209
	Laboratory Sample ID	L1924652-02	L2055197-01	L1924652-03	L2054985-03
	Date Sampled	6/10/2019 13:35:00 AM	12/10/2020	6/10/2019	12/9/2020
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	NS	1.88	250 U	1.92	250 U

Table 1F
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Emerging Contaminants - 1,4-Dioxane

	AKRF Sample ID	FIELD BLANK_20201209	FIELD BLANK_20221208	TRIP BLANK_20201209
	Laboratory Sample ID	L2054985-04	L2269127-04	L2054985-05
	Date Sampled	12/9/2020	12/08/2022	12/9/2020
	Unit	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	NS	250 U	250 R	250 U

Table 1A-1F
Polychrome West (BCP No. C360099)
Yonkers, NY
Historical Groundwater Analytical Results
Notes

DEFINITIONS

D	:	Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
J	:	The reported value is estimated
K	:	Reported concentration value is proportional to dilution factor and may be exagerated.
L	:	Sample result is estimated and biased low.
ND	:	The standard is a non-detectable concentration by the approved analytical method
NR	:	Not reported.
NS	:	No standard.
R	:	Indicates the reported result is unusable. (Note: the analyte may or may not be present.)
U	:	Indicates that the compound was analyzed for, but not detected.
µg/L	:	micrograms per Liter
ng/L	:	nanograms per Liter

STANDARDS

NYSDEC Class GA AWQSGVs	:	New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DUPLICATES

PCW-MW-X-20191011 is a blind duplicate of sample PCW-MW-F-20191011.
MW-X_20201209 is a blind duplicate of sample MW-D_20201209.
MW-X_20211223 is a blind duplicate of sample MW-D_20211223.
MW-X_20221208 is a blind duplicate of sample MW-D_20221208.
DUPE-06102019 is a blind duplicate of sample PCW-MW-F-06102019
MW-X_20231204 is a blind duplicate of sample MW-D_20231204.
MW-X_20241212 is a blind duplicate of sample MW-D_20241212.

NOTES

1,4-dioxane was completed in December 2022 in accordance with the 8260 analysis method requirements. Sampling for emerging contaminants was not required per the approved sampling plan; therefore the 580 SIM analysis method was not used.

APPENDIX A

INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION FORM

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C360099

Site Name Polychrome R&D Lab Site

Site Address: 137-145 Alexander Street Zip Code: 10701
City/Town: Yonkers
County: Westchester
Site Acreage: 3.088

Reporting Period: April 30, 2024 to April 30, 2025

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C360099 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
2-2615-1 (portion of)	Avalon Yonkers Sun Sites, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The institutional controls present at PolyChrome R&D Lab Site (Yonkers Polychrome West BCP C360099 Site or Avalon Building 2) are as follows:

1. Track 4 Restricted Residential, Commercial, and Industrial Uses are allowed. The Controlled property may not be used for a higher use, such as unrestricted or residential use, and the engineering controls may not be extinguished without NYSDEC approval and amending or discontinuing the approved 2019 Site Management Plan (SMP) and the 2019 environmental easement.

2. Vegetable gardens and farming on the Site are prohibited

3. All future soil disturbance activities below the 2-foot cover, including building renovation/expansion, subgrade utility line repair/relocation, and new construction are conducted in accordance with the approved SMP, and the Excavation Work Plan (EWP).

4. The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for potable or process use, without necessary water quality treatment as determined by the NYSDOH or Westchester County DOH.

5. Groundwater monitoring must be performed as defined in this SMP.

6. An evaluation of the potential for soil vapor intrusion for any buildings developed or reoccupied on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion.

7. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.

8. A certification, every year, must be made to the NYSDEC indicating that the requirements of the SMP have been met and denote areas where deficiencies have occurred, if any. A Site Management Report, including any required inspection or sampling documentation and certifications, shall be submitted by the Owner to NYSDEC by April 30th following the calendar reporting years, along with the Certification, signed and certified by the Owner, and certifying that the engineering controls (e.g., active SSDS, site cover) are in place and functioning correctly, or noting any deficiencies and including a corrective action plan for these deficiencies to be corrected. The Owner will also certify that NYSDEC is allowed access to the Site to inspect the engineering controls.

2-2615-23 (portion of)	Avalon Yonkers Sun Sites, LLC	Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Landuse Restriction
Ground Water Use Restriction
Soil Management Plan

The institutional controls present at PolyChrome R&D Lab Site (Yonkers Polychrome West BCP C360099 Site or Avalon Building 2) are as follows:

1. Track 4 Restricted Residential, Commercial, and Industrial Uses are allowed. The Controlled property may not be used for a higher use, such as unrestricted or residential use, and the engineering controls may not be extinguished without NYSDEC approval and amending or discontinuing the approved 2019 Site Management Plan (SMP) and the 2019 environmental easement.

2. Vegetable gardens and farming on the Site are prohibited.

3. All future soil disturbance activities below the 2-foot cover, including building renovation/expansion, subgrade utility line repair/relocation, and new construction are conducted in accordance with the approved SMP, and the Excavation Work Plan (EWP).

4. The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for potable or process use, without necessary water quality treatment as determined by the NYSDOH or Westchester County DOH.

5. Groundwater monitoring must be performed as defined in this SMP.

6. An evaluation of the potential for soil vapor intrusion for any buildings developed or reoccupied on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion.

7. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.

8. A certification, every year, must be made to the NYSDEC indicating that the requirements of the SMP have been met and denote areas where deficiencies have occurred, if any. A Site Management Report, including any required inspection or sampling documentation and certifications, shall be submitted by the Owner to NYSDEC by April 30th following the calendar reporting years, along with the Certification, signed and certified by the Owner, and certifying that the engineering controls (e.g., active SSDS, site cover) are in place and functioning correctly, or noting any deficiencies and including a corrective action plan for these deficiencies to be corrected. The Owner will also certify that NYSDEC is allowed access to the Site to inspect the engineering controls.

2-2615-29 Avalon Yonkers Sun Sites, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

The institutional controls present at PolyChrome R&D Lab Site (Yonkers Polychrome West BCP C360099 Site or Avalon Building 2) are as follows:

1. Track 4 Restricted Residential, Commercial, and Industrial Uses are allowed. The Controlled property may not be used for a higher use, such as unrestricted or residential use, and the engineering controls may not be extinguished without NYSDEC approval and amending or discontinuing the approved 2019 Site Management Plan (SMP) and the 2019 environmental easement.

2. Vegetable gardens and farming on the Site are prohibited

3. All future soil disturbance activities below the 2-foot cover, including building renovation/expansion, subgrade utility line repair/relocation, and new construction are conducted in accordance with the approved SMP, and the Excavation Work Plan (EWP).

4. The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for potable or process use, without necessary water quality treatment as determined by the NYSDOH or Westchester County DOH.

5. Groundwater monitoring must be performed as defined in this SMP.

6. An evaluation of the potential for soil vapor intrusion for any buildings developed or reoccupied on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion.

7. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.

8. A certification, every year, must be made to the NYSDEC indicating that the requirements of the SMP have been met and denote areas where deficiencies have occurred, if any. A Site Management Report, including any required inspection or sampling documentation and certifications, shall be submitted by the Owner to NYSDEC by April 30th following the calendar reporting years, along with the Certification, signed and certified by the Owner, and certifying that the engineering controls (e.g., active SSDS, site cover) are in place and functioning correctly, or noting any deficiencies and including a corrective action plan for these deficiencies to be corrected. The Owner will also certify that NYSDEC is allowed access to the Site to inspect the engineering controls.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
2-2615-1 (portion of)	
	Vapor Mitigation
	Cover System
	Subsurface Barriers
	Monitoring Wells

The engineering controls installed at the PolyChrome R&D Lab Site (Yonkers Polychrome West BCP C360099 Site or Avalon Building 2) are as follows:

1. An active vapor mitigation system will be operated, maintained, monitored as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.

2. A site cover system, of at least 2 foot, or NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas will be maintained as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.

3. Any soil underlying within the Controlled Property, must remain covered with a NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas on the Controlled Property, which must be inspected, certified and maintained as required in the NYSDEC-approved SMP, and handled as described in the EWP.

4. NAPL Recovery Well Network as specified in the SMP.

5. CSO Anti-Seep Collar and CSO Relining as specified in the SMP.

2-2615-23 (portion of)	
	Vapor Mitigation
	Cover System
	Subsurface Barriers
	Monitoring Wells

The engineering controls installed at the PolyChrome R&D Lab Site (Yonkers Polychrome West BCP C360099 Site or Avalon Building 2) are as follows:

1. An active vapor mitigation system will be operated, maintained, monitored as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.

2. A site cover system, of at least 2 foot, or NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas will be maintained as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.

Parcel | Engineering Control

3. Any soil underlying within the Controlled Property, must remain covered with a NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas on the Controlled Property, which must be inspected, certified and maintained as required in the NYSDEC-approved SMP, and handled as described in the EWP.

4. NAPL Recovery Well Network as specified in the SMP.

5. CSO Anti-Seep Collar and CSO Relining as specified in the SMP.

2-2615-29

Vapor Mitigation
Cover System
Subsurface Barriers
Monitoring Wells

The engineering controls installed at the PolyChrome R&D Lab Site (Yonkers Polychrome West BCP C360099 Site or Avalon Building 2) are as follows:

1. An active vapor mitigation system will be operated, maintained, monitored as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.

2. A site cover system, of at least 2 foot, or NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas will be maintained as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.

3. Any soil underlying within the Controlled Property, must remain covered with a NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas on the Controlled Property, which must be inspected, certified and maintained as required in the NYSDEC-approved SMP, and handled as described in the EWP.

4. NAPL Recovery Well Network as specified in the SMP.

5. CSO Anti-Seep Collar and CSO Relining as specified in the SMP.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C360099

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Noah Hager at Avalon Yonkers Sun Sites, LLC - 4040 Wilson Blvd., Suite 1000, Arlington, VA 22203, am certifying as the Owner for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/29/25
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

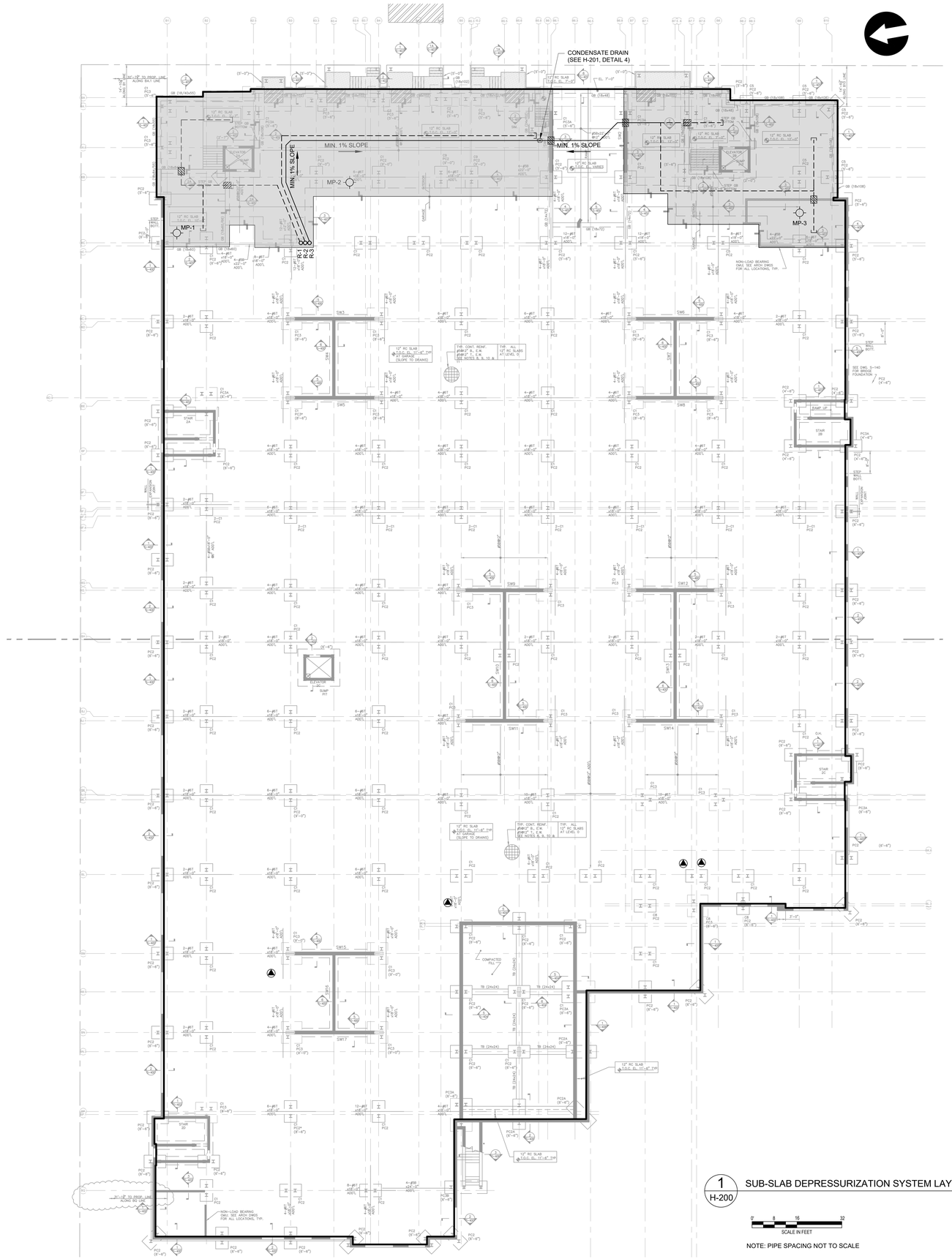
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Rebecca Kinal at AKRF, 34 South Broadway, White Plains, NY 10601, am certifying as a Qualified Environmental Professional for the Avalon Yonkers Sun Sites, LLC.

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		5/29/25

APPENDIX B

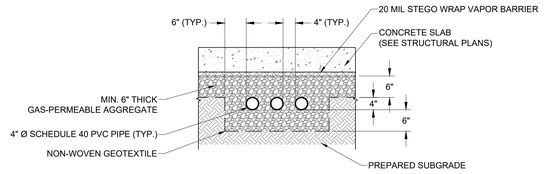
VAPOR BARRIER AND SSDS AS-BUILTS



1 H-200 SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

0' 8 16 32
SCALE IN FEET

NOTE: PIPE SPACING NOT TO SCALE



2 H-200 TYPICAL PIPING TRENCH
SCALE: N.T.S

LEGEND

- EXTENT OF VAPOR BARRIER UNDER SLAB
- EXTENT OF GAS PERMEABLE AGGREGATE UNDER SLAB
- PIPE SLEEVE THROUGH FOUNDATION ELEMENT
- 4" Ø SLOTTED SCHEDULE 40 PVC PIPE WITH PVC END CAP
- 4" Ø SOLID SCHEDULE 40 PVC PIPE
- R-3 — 4" Ø RISER SLAB PENETRATION
- VACUUM MONITORING POINT
- GROUNDWATER MONITORING WELL

MONITORING POINT LOCATIONS		
ID	COLUMN LOCATION	ROOM
MP-1	B1-BC	TRASH ROOM
MP-2	B3.4-BB	CORRIDOR
MP-3	B9-BC	BIKE STORAGE

NOTES

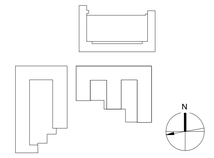
1. THIS PLAN SHALL NOT TO BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES EXCEPT FOR THE SUB-SLAB DEPRESSURIZATION SYSTEM AND VAPOR BARRIER.
2. HORIZONTAL SUB-SLAB DEPRESSURIZATION SYSTEM PIPE SLOPED A MINIMUM OF 1% UNIFORMLY TOWARDS THE SUB-SLAB DEPRESSURIZATION SYSTEM SLOTTED PIPING OR CONDENSATE DRAIN.
3. BASEMAP FROM PERKINS EASTMAN "65190_AVALON YONKERS CAD_BACKGROUND_EXPORT_LEVEL 0 FLOOR PLAN - BUILDING 2.DWG", 4-20-2018.
4. LOCATIONS ON THIS AS-BUILT ARE APPROXIMATE.
5. GAS PERMEABLE AGGREGATE NOMINAL SIZE OF 1 INCH TO 1/2 INCH AND COMFORM TO ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATE SIZE #5 AS PER THE TABLE BELOW:

ASTM #5 AGGREGATE GRADATION
(FOR PIPE TRENCHES)

SIEVE SIZE	PERCENT FINER BY WEIGHT
1.5 inch	100
1 inch	90 to 100
3/4 inch	20 to 55
1/2 inch	0 to 10
3/8 inch	0 to 5

NO.	DATE	
1	10/29/2018	75% COMPLETION
2	01/16/2019	100% STAMPED DRAWINGS
3	12/12/2019	AS-BUILT
4	05/27/2021	UPDATED AS-BUILT

SEAL



KEY PLAN

Perkins Eastman
422 SUMMER STREET
STAMFORD, CT 06901
T. 203.251.7400
F. 203.251.7474

Owner:
AvalonBay
1499 POST ROAD, SECOND FL
FAIRFIELD, CT 06824

Civil / Site:
PS&S
1 LARKIN PLAZA
2ND FL
YONKERS, NY 10701

Landscape:
Topia
5055 NORTH HARBOR DR, SUITE 200
SAN DIEGO, CA 92106

Structural:
VEITAS & VEITAS ENGINEERS, INC.
639 GRANITE STREET
BRAINTREE, MA 02184

MEP/FP:
R.W. SULLIVAN ENGINEERING
THE SCHRAFFT CENTER
529 MAIN STREET, SUITE 203
BOSTON, MA 02129

ENVIRONMENTAL:
AKRF
34 SOUTH BROADWAY
4TH FLOOR
WHITE PLAINS, NY 10601

PROJECT TITLE:
AVALON YONKERS
BUILDING 2

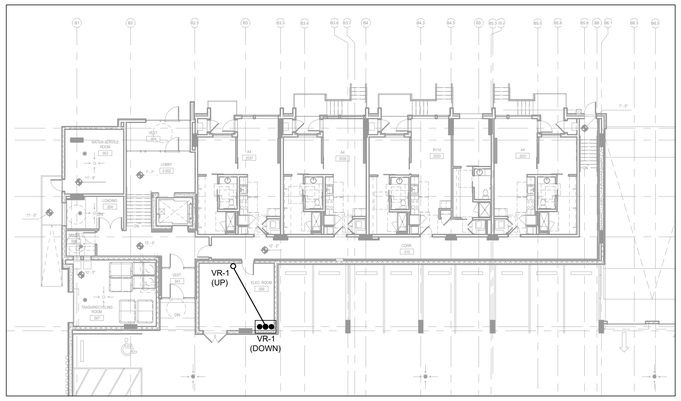
ALEXANDER ST, YONKERS, NY

PROJECT No: 65190.00

DRAWING TITLE:
SSDS AND VAPOR BARRIER AS-BUILT

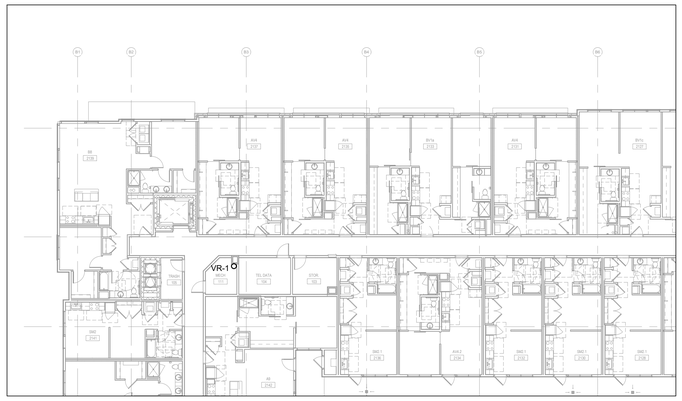
SCALE: AS NOTED

H-200



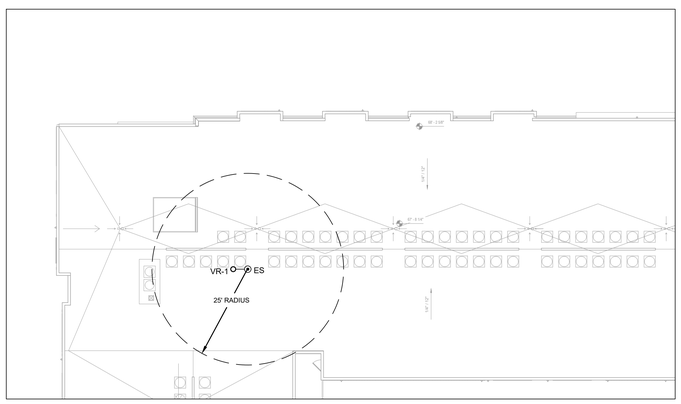
1 H-201 LEVEL 0

0' 8 16 32
SCALE IN FEET



2 H-201 LEVEL 1 - LEVEL 4

0' 8 16 32
SCALE IN FEET



3 H-201 ROOF

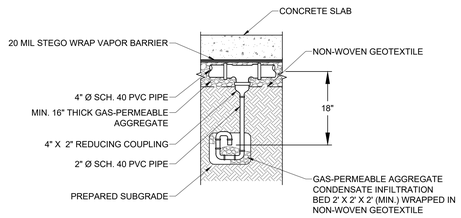
0' 8 16 32
SCALE IN FEET

LEGEND

VR-1 VERTICAL RISER AND IDENTIFICATION NUMBER

PIPING MANIFOLD

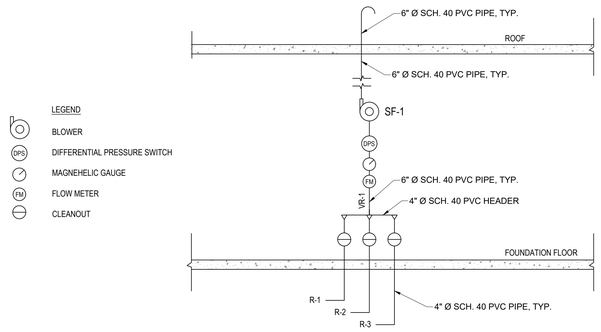
ES EXHAUST STACK



NOTE:

1. INSTALLED INDICATED ON H-200.

4 H-201 TYPICAL CONDENSATE DRAIN DETAIL
Not to Scale



5 H-201 PIPING AND INSTRUMENTATION DIAGRAM
Not to Scale

BLOWER SCHEDULE

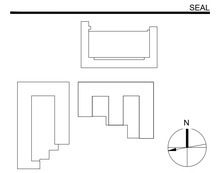
UNIT NO.	AREAS SERVED	SERVICE	LOCATION	SIZE	MAX CFM	MIN. RATE (INCHES WC)	MOTOR REQUIREMENTS			MANUFACTURER/MODEL
SF-1	OCCUPIED SPACES	SSD SYSTEM	ELECTRICAL ROOM	141 W	377	NA	60 HZ	1 PHASE	120 VOLTS	FANTECH RN3

BLOWER NOTES:

1. BLOWER SIZE REDUCED AS PER CLIENT REQUEST AFTER STARTUP AND QUARTERLY MONITORING RESULTS INDICATE COMPLIANCE WITH THE SMP UTILIZING SMALLER BLOWER (FANTECH RN3).
2. CONTRACTOR TO PROVIDE SPARE BLOWER AND PARTS.

NO.	DATE	
1	10/29/2018	75% COMPLETION
2	01/16/2019	100% STAMPED DRAWINGS
3	12/12/2019	AS-BUILT
4	05/27/2021	UPDATED AS-BUILT

SEAL



KEY PLAN

Perkins Eastman
422 SUMMER STREET
STAMFORD, CT 06901
T. 203.251.7400
F. 203.251.7474

Owner:
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1499 POST ROAD, SECOND FL
FAIRFIELD, CT 06824

Civil / Site:
PS&S
1 LARKIN PLAZA
2ND FL
YONKERS, NY 10701

Landscape:
Topia
5005 NORTH HARBOR DR, SUITE 200
SAN DIEGO, CA 92106

Structural:
VEITAS & VEITAS ENGINEERS, INC.
639 GRANITE STREET
BRAINTREE, MA 02184

MEP/FP:
R.W. SULLIVAN ENGINEERING
THE SCHRAFFT CENTER
529 MAIN STREET, SUITE 203
BOSTON, MA 02129

ENVIRONMENTAL:
AKRF
34 SOUTH BROADWAY
4TH FLOOR
WHITE PLAINS, NY 10601

PROJECT TITLE:

AVALON YONKERS BUILDING 2

ALEXANDER ST, YONKERS, NY

PROJECT No: 65190.00

DRAWING TITLE:

SSDS RISER PLAN, DETAILS, EQUIPMENT SCHEDULE AND P&ID

SCALE: AS NOTED

H-201

APPENDIX C

SITE-WIDE INSPECTION LOG

SITE MANAGEMENT FORM – SITE-WIDE INSPECTION
POLYCHROME WEST SITE (C360099)
137-145 ALEXANDER STREET, YONKERS, NEW YORK

Inspector: Steve Grens

Date: 12/11/2024

1. Site Use Restrictions

No on-site vegetable gardens? Correct

No groundwater withdrawal for potable/non-potable use? Correct

Restricted residential use maintained? Yes

2. Site Cap

Note the date that the annual site cap inspection was performed: 12/11/2024

Repairs made as noted during inspection? NA

3. Soil Management

Note the date(s) of any soil disturbance activities conducted during the past year:
NA

Proper soil management procedures implemented (cite appropriate close-out reports)?
NA

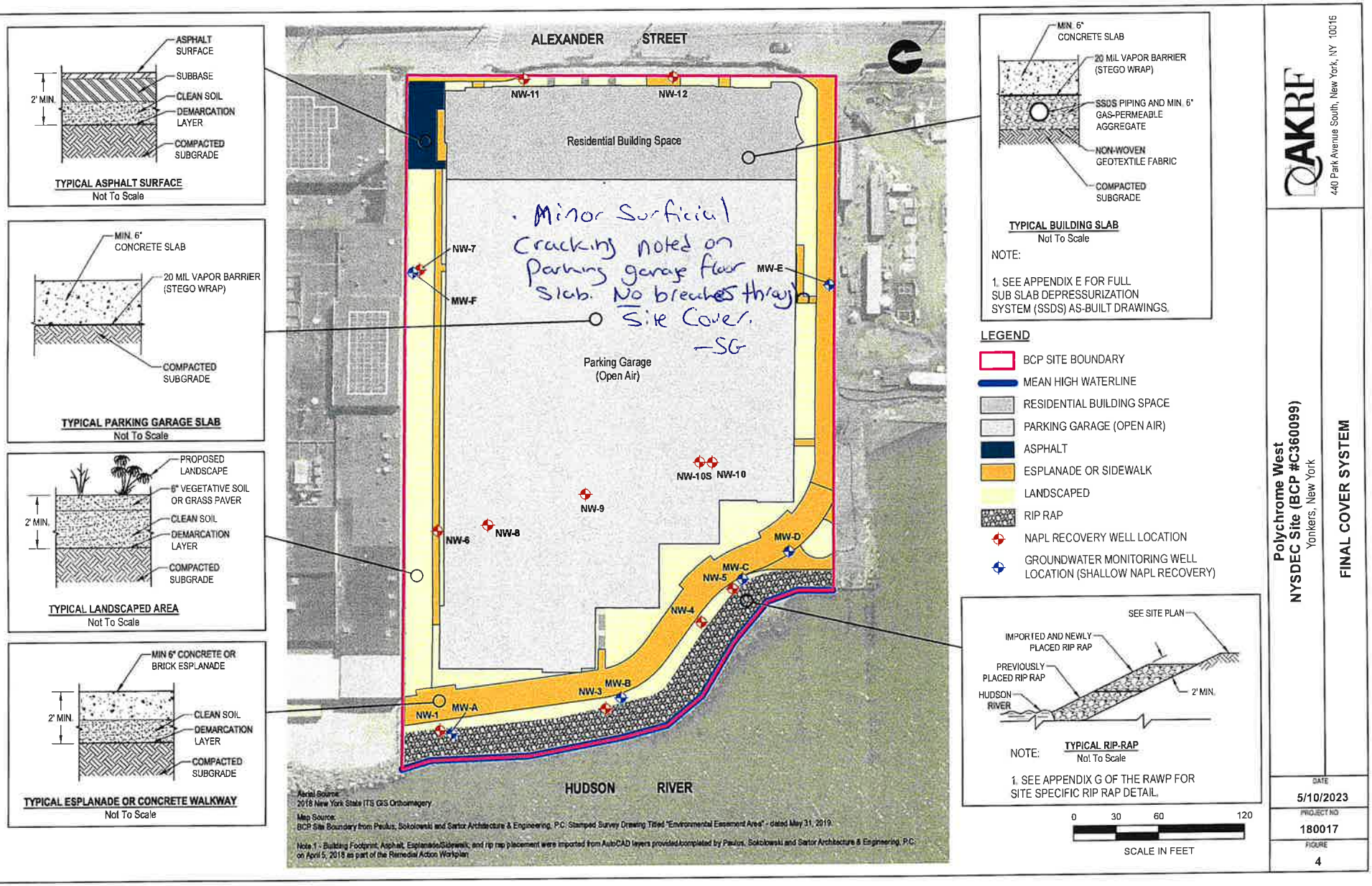
4. Recordkeeping

Check that the following records/reports are being maintained/completed (note report/log dates as appropriate):

1) Annual site cap inspection log:
Yes
2) Close-out report(s) for soil disturbance activities (including manifests for soil disposal):
NA

5. Comments Minor surficial cracking noted in garage. No breaches below the concrete slab.

Annual Sitewide Inspection
12/11/2024 @ 11:30 - S. Gress (AKRF)



· Minor Surficial Cracking noted on Parking garage floor slab. No breaches thru Site Cover. -SG

ASPHALT SURFACE
SUBBASE
CLEAN SOIL
DEMARCATION LAYER
COMPACTED SUBGRADE
2' MIN.
TYPICAL ASPHALT SURFACE
Not To Scale

MIN. 6" CONCRETE SLAB
20 MIL VAPOR BARRIER (STEGO WRAP)
COMPACTED SUBGRADE
TYPICAL PARKING GARAGE SLAB
Not To Scale

PROPOSED LANDSCAPE
6" VEGETATIVE SOIL OR GRASS PAVER
CLEAN SOIL
DEMARCATION LAYER
COMPACTED SUBGRADE
2' MIN.
TYPICAL LANDSCAPED AREA
Not To Scale

MIN 6" CONCRETE OR BRICK ESPLANADE
CLEAN SOIL
DEMARCATION LAYER
COMPACTED SUBGRADE
2' MIN.
TYPICAL ESPLANADE OR CONCRETE WALKWAY
Not To Scale

MIN. 6" CONCRETE SLAB
20 MIL VAPOR BARRIER (STEGO WRAP)
SSDS PIPING AND MIN. 6" GAS-PERMEABLE AGGREGATE
NON-WOVEN GEOTEXTILE FABRIC
COMPACTED SUBGRADE
TYPICAL BUILDING SLAB
Not To Scale
NOTE:
1. SEE APPENDIX E FOR FULL SUB SLAB DEPRESSURIZATION SYSTEM (SSDS) AS-BUILT DRAWINGS.

LEGEND
- BCP SITE BOUNDARY
- MEAN HIGH WATERLINE
- RESIDENTIAL BUILDING SPACE
- PARKING GARAGE (OPEN AIR)
- ASPHALT
- ESPLANADE OR SIDEWALK
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL LOCATION
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

SEE SITE PLAN
IMPORTED AND NEWLY PLACED RIP RAP
PREVIOUSLY PLACED RIP RAP
HUDSON RIVER
2' MIN.
NOTE:
TYPICAL RIP-RAP
Not To Scale
1. SEE APPENDIX G OF THE RAWP FOR SITE SPECIFIC RIP RAP DETAIL.

0 30 60 120
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

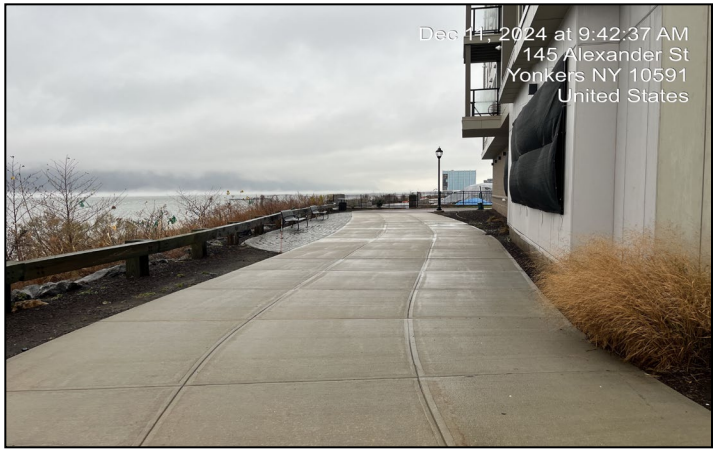
Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

FINAL COVER SYSTEM

DATE 5/10/2023
PROJECT NO 180017
FIGURE 4

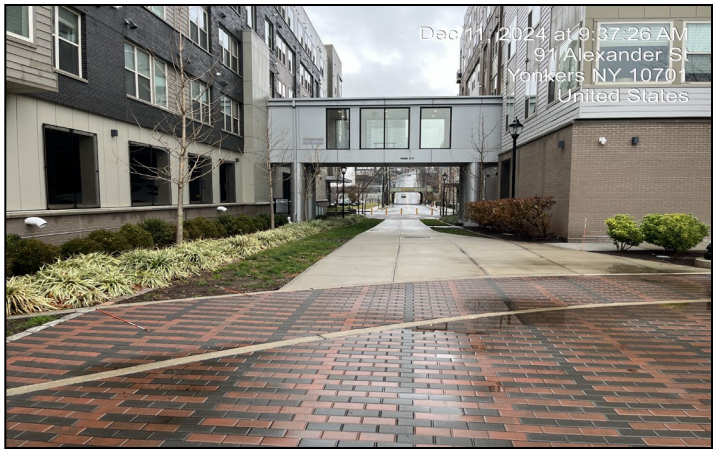
APPENDIX D
PHOTOGRAPHIC LOG

Photograph 1: Esplanade and landscaped areas located on the western portion of the Site along the Hudson River, view facing south.

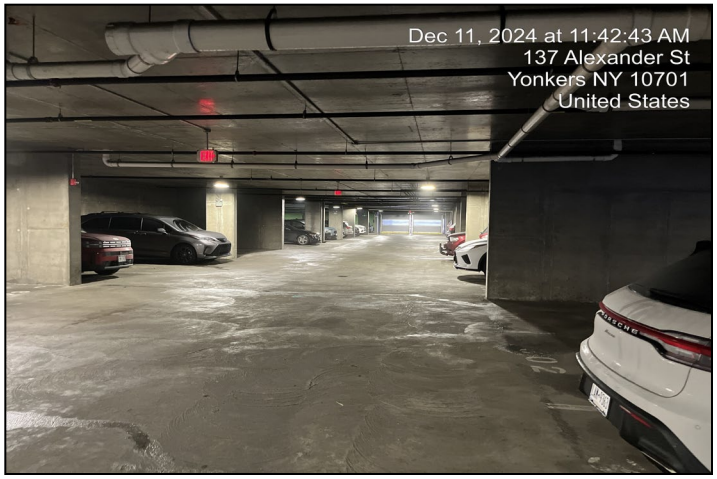


Photograph 2: Esplanade and landscaped areas on the western portion of the Site along the Hudson River, view facing north.

Photograph 3: Landscaped area on the northern portion of the Site, view facing west.

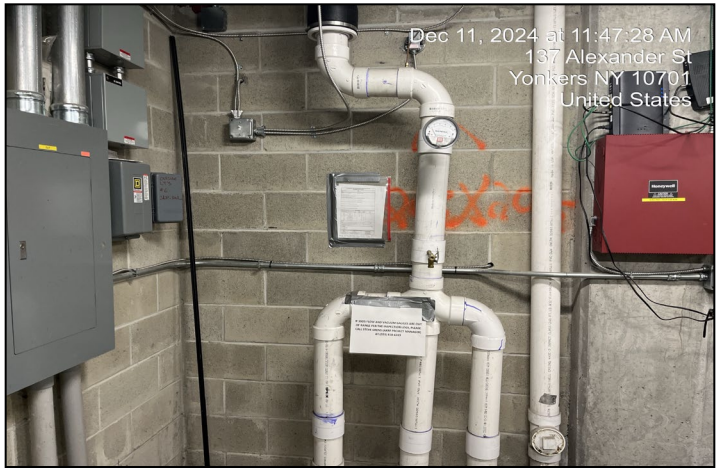


Photograph 4: The esplanade and landscaped areas on the southern portion of the Site, view facing east.



Photograph 5: View of parking garage floor slab on the western portion of the Site, view facing west.

Photograph 6: View of the sidewalk and landscaped areas on the eastern portion of the Site fronting Alexander Street, view facing south.



Photograph 7: View of the SSDS manifold and riser in the electrical room on the northeastern portion of the Site.

Photograph 8: View of the 1st floor lobby area in the southeastern portion of the building.

APPENDIX E

ANNUAL SSDS INSPECTION REPORT

440 Park Avenue South, 7th Floor
New York, NY 10016
tel: 212.696.0670
www.akrf.com

Mr. Justin Starr
Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

05.12.2025

Re: Annual SSDS Inspection Field Report – December 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Starr:

This report has been prepared by AKRF, Inc. (AKRF) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the annual sub-slab depressurization system (SSDS) inspection that was performed in December 2024 at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site).

As documented in the Site Management Plan (SMP), the SSDS was designed as an Engineering Control (EC) and installed beneath residential portions of the concrete slab of the on-Site building to allow the lateral movement, collection, and venting of potential soil gas vapor from below the building. The major components of the SSDS consists of a subgrade 4-inch, Schedule 40 slotted polyvinyl chloride (PVC) piping network installed within a minimum 6-inch thick layer of gas-permeable aggregate, which is manifolded into a 4-inch Schedule 40 PVC riser, blower, then manifolded again into a 6-inch PVC riser, exhaust stack located on the roof. A differential pressure switch, a flow meter, and a magnehelic gauge are also present on the SSDS to monitor system performance, along with three sub-slab vacuum monitoring points installed throughout the building as documented in the SMP.

SSDS INSPECTION RESULTS

On December 11, 2024, an annual inspection was performed by Mr. Stephen Grens of AKRF. The SSDS inspection included the following:

- Visual inspection of flow sensor to confirm within operating range (40 to 100 cfm);
- Visual inspection of magnehelic gauge to confirm within operating range (0.5 to 10 inches of H_2O); and
- Visual inspection of monitoring points to confirm within operating range (a minimum of 0.005 inches of H2O).

The SSDS is functioning as designed. The flow rate (211 cfm) and applied vacuum reading (0.80 inches H_20) on the SSDS vertical riser were all within acceptable ranges as per the SMP. The induced vacuum readings at the SSDS monitoring points (0.075 to 0.49 inches of H_20) were well above the minimum readings required in the SMP. The results of the inspection were recorded on the SSDS Inspection Forms provided in Attachment A.

Based on the results of the inspection, the SSDS appears to remain effective and protective of human health and the environment. No additional corrective measures are required/recommended at this time.

If you have any questions or require additional information, please contact me at (914) 922-2387.

Sincerely,
AKRF, Inc.

Marc Godick
Senior Vice President

Encl.: Attachment A – December 11, 2024 SSDS Inspection Forms

ATTACHMENT A
DECEMBER 11, 2024 SSDS INSPECTION FORMS

SITE MANAGEMENT FORM - DETAILED SYSTEM MONITORING INSPECTION FORM
POLYCHROME WEST SITE (C360099)
137-145 Alexander Street, Yonkers, NY

Inspector Name:	**Steve Grens**	**Date:**	**12/11/2024**
Time In:	**11:45**	**Time Out:**	**12:45**

General

Weather: Rain	Temperature: ~40° F	Barometric Pressure: -30.17 inHg	

When was the last rain event? 12/9/204

Is the blower currently operating? Yes / No (circle one) Yes

If no, please list reason/alarm condition:

Any evidence of system tampering, vandalism or damage in the first floor equipment room? No

Any evidence of system tampering, vandalism, or damage to the exhaust stack? No

Were all cleanout/sampling port caps securely attached prior to system testing? Yes

If no, list location and contact Project Manager/Project Director.

Is the concrete floor slab overlying all of the SSDS piping runs intact? Yes

If no, list location and contact Project Manager/Project Director.

SSDS Operations

Sample Identification	Sample Location	Flow Rate[1] cfm	Applied Vacuum[1] in. H2O	Induced Vacuum[2] in. H2O	Notes
MP-1	Trash Room	NA	NA	-0.495	
MP-2	Corridor	NA	NA	-0.136	
MP-3	Bike Storage	NA	NA	-0.075	
VR-1	See Appendix E	211	0.8	NA	

Comments: None

Notes:

1. Normal system flow rates range is ≥100 cfm. Normal applied vacuum reading range is ≥0.5 in. H_2O. System readings will be obtained from the blower inlet on the vertical riser (VR-1).
2. Normal system induced vacuum readings should be a minimum of 0.005 in. H_2O. System readings will be obtained from each monitoring point (MP-1 through MP-3).
3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary.

in. of H_2O - inches of water

cfm - cubic feet per minute

NA - not applicable

Emergency Contact Information

Name	Title	Contact Numbers
Stephen Grens	AKRF	914-922-2371 (office)
Ramses Perez	Avalon Bay	914-751-8353 (office)
Justin Starr	NYSDEC - Project Manager	518-402-9662 (office)

SITE MANAGEMENT FORM - ROUTINE SYSTEM MONITORING INSPECTION FORM
POLYCHROME WEST SITE (C360099)
137-145 Alexander Street, Yonkers, NY

Inspector Name:	**Steve Grens**	**Date: 12/11/2024**
Time In:	**11:45**	**Time Out: 12:45**

General

Is the blower running? yes or no (*circle one*) - **Yes**
If blower is off, immediately notify an emergency contact.

Are gauges and exterior of SSDS control panel clean? yes or no *(circle one)* - **Yes**

Are there any unusual odors, spills or leaks near the system? yes or no (*circle one*) - **No**
If yes, decribe suspected source and notify emergency contact.

Is air discharging from the exhaust piping to the roof? - **Yes**

Are there any problems with the exhaust piping? yes or no (circle one) - **No**
If yes, describe location of problem and notify emergency contact.

SSDS Operations

Riser Pipe	**Flow Rate in Accepted Range?** [1,2] (≥100 cfm)	**Vacuum Reading In Accepted Range?** [1,2] (≥0.5 in. H_2O)
VR-1	YES ■ NO ▭	YES ■ NO ▭
Comments:	Flow rate and applied vacuum readings taken from combined vertical riser (VR-1) as opposed to individual legs (i.e., R-1 through R-3) due to SSDS installation setup. Observed flow rate was greater than 100 cfm (211 cfm); however, the flow rate is representative of 3 SSDS legs and the SSDS is functioning as designed.	

Notes:
1. Normal system flow rates range is ≥100 cfm. Normal applied vacuum reading range is ≥0.5 in. H_2O. System readings will be obtained from the blower inlet on the vertical riser (VR-1).
2. If readings are outside of the ranges indicated, inform emergency contacts below.

in. of H_2O - inches of water cfm - cubic feet per minute

Emergency Contact Information

Name	**Title**	**Contact Numbers**
Stephen Grens	AKRF	914-922-2371 (office)
Ramses Perez	Avalon Bay	914-751-8353 (office)
Justin Starr	NYSDEC - Project Manager	518-402-9662 (office)

APPENDIX F

ANNUAL GROUNDWATER SAMPLING LETTER REPORT

440 Park Avenue South, 7th Floor
New York, NY 10016
tel: 212.696.0670
www.akrf.com

Mr. Justin Starr
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York, 12233-7014

05.15.2025

Re: 2024 Annual Groundwater Sampling Letter Report
Polychrome Research and Development (R&D) Lab Site (Polychrome West Site)
137-145 Alexander Street, Yonkers, NY 10701
NYSDEC BCP Site: C360099

Dear Mr. Starr:

AKRF, Inc. (AKRF), on behalf of Avalon Yonkers Sun Sites, LLC, has prepared this Annual Groundwater Sampling Report (Letter Report) for the Polychrome West Site (the Site) located at 137-145 Alexander Street, Yonkers, New York. This Letter Report summarizes the results of the annual groundwater sampling completed in December 2024, in accordance with the May 2024 Revised Site Management Plan (SMP) and New York State Department of Environmental Conservation (NYSDEC) correspondence.

BACKGROUND

As detailed in Section 4.4 of the SMP, a network of groundwater monitoring wells was installed at the Site to assess the effectiveness of the remedy in mitigating impacts to on-site groundwater and to assess the long-term performance of natural attenuation following remediation.

The current Site groundwater monitoring well network consists of six 4-inch diameter monitoring wells (identified as MW-A through MW-F), installed with 10-foot monitoring well screens set at elevations ranging from approximately -6 to +4 feet mean sea level (msl) to target the shallow groundwater table. Figure 1 depicts the location of the Site groundwater monitoring well network. Monitoring well construction details are included in the SMP. The groundwater monitoring network was designed as detailed below.

- MW-A and MW-B were designed to monitor groundwater quality immediately up-gradient of the Hudson River along the western/northwestern portion of the Site;
- MW-C was designed to monitor groundwater quality up-gradient of the Slurry Wall along the southwestern portion of the Site;
- MW-D was designed to monitor groundwater quality along the City of Yonkers Combined Sewer Overflow (CSO) and up-gradient of the Slurry Wall along the southwestern portion of the Site;
- MW-E was designed to monitor groundwater quality along the City of Yonkers CSO located along the southern portion of the Site immediately up-gradient of the CSO anti-seep collar; and
- MW-F was designed to monitor groundwater quality near a petroleum hot spot observed within Excavation Area E (located along the northern portion of the Site cross-gradient to the Excelsior Packaging facility).

Initial SMP annual groundwater sampling requirements included sampling at all of the on-site groundwater monitoring wells and analysis for the following analytes: Target Compound List (TCL) volatile organic compounds (VOCs) by EPA Method 8260; TCL semi-volatile organic compounds (SVOCs) by EPA Method 8270D; Target Analyte List (TAL) metals (total and dissolved); and emerging contaminants.

Previous annual groundwater sampling results, as reported in the Periodic Review Reports (PRRs), indicated that elevated coal tar-related contaminants (namely naphthalene and phenol) were limited to the southwestern portion of the Site, specifically within the groundwater samples collected from MW-D. Over time and in consultation with NYSDEC, the annual groundwater sampling program requirements have been reduced to the below:

- Annual groundwater sampling at MW-D for TCL VOCs by EPA Method 8260 and TCL SVOCs by EPA Method 8270D; and
- Triennial groundwater sampling at the remaining on-site groundwater monitoring wells (MW-A, MW-B, MW-C, MW-E, and MW-F) for TCL VOCs by EPA Method 8260 and TCL SVOCs by EPA Method 8270D.

All on-site groundwater monitoring wells were sampled in 2024 in accordance with the 2024 PRR.

SAMPLING METHODOLOGY

On December 12 and 13, 2024, groundwater samples were collected from groundwater monitoring wells MW-A through MW-F for analysis of TCL VOCs by EPA Method 8260 and TCL SVOCs by EPA Method 8270D.

Sampling was conducted using low-flow sampling techniques, in general accordance with United States EPA's "Low-Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells" (EQASOP-GW 001, dated January 2010). Dedicated tubing was connected to a peristaltic pump, which was then lowered to the appropriate sampling depth, based on the observed total depth and documented screened interval of each well. The pump was then activated at the lowest flow rate, and the depth to water was measured periodically. Groundwater was pumped, field-screened with a photoionization detector (PID) and monitored using a water quality meter for the gradual stabilization of five parameters: pH, specific conductivity, oxidation-reduction potential (ORP), turbidity, and dissolved oxygen. Groundwater samples were collected when water quality indicators had stabilized, and turbidity levels were less than 50 nephelometric turbidity units (NTU). All purge water was containerized in a 55-gallon drum for future characterization and off-site disposal. Groundwater observation, turbidity, and water quality parameters are detailed in the well sampling log provided in Attachment A.

Quality assurance/quality control (QA/QC) samples were collected during the December 2024 annual groundwater sampling event, which consisted of a blind duplicate sample (labeled MW-X_20241212) and a matrix spike/matrix spike duplicate collected at groundwater monitoring well MW-D, and a field equipment blank.

Groundwater samples were collected in laboratory-supplied glassware, labeled, and placed in a chilled cooler in a safe location prior to pick-up by the laboratory under chain-of-custody protocol. The laboratory analysis was conducted by Pace Analytical Services of Westborough, Massachusetts, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory.

ANALYTICAL RESULTS

Sample results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). A summary of the sampling results is as follows:

- One VOC was detected above the AWQSGVs in two groundwater samples as further detailed below. All other detected VOCs were below the AWQSGVs.
    - Naphthalene was detected in MW-D_20241212, as well as the blind duplicate (MW-X_20241212), above its AWQSGV of 10 µg/L at concentrations of 28 µg/L and 27 µg/L, respectively.

- Seven SVOCs were detected above the AWQSGVs in one or more groundwater samples as detailed in the Table A below. All other detected SVOCs were below the AWQSGVs.

Table A
SVOC Concentrations in Groundwater Samples Above AWQSGVs

Analyte	Groundwater Sample ID	AWQSGVs (µg/L)	Concentration (µg/L)
Benzo(a)anthracene	MW-C_20241212	0.002	0.08 J
	MW-D_20241212		0.23 J
	MW-X_20241212		0.22
	MW-E_20241212		0.05 J
	MW-F_20241213		0.09 J
Benzo(a)pyrene	MW-C_20241212	ND	0.04 J
	MW-D_20241212		0.06 J
	MW-F_20241213		0.1 J
Benzo(b)flouranthene	MW-C_20241212	0.002	0.07 J
	MW-D_20241212		0.11 J
	MW-X_20241212		0.05 J
	MW-F_20241213		0.12
Benzo(K)flouranthene	MW-C_20241212	0.002	0.05 J
	MW-D_20241212		0.09 J
	MW-F_20241213		0.07 J
Chrysene	MW-C_20241212	0.002	0.05 J
	MW-D_20241212		0.18
	MW-X_20241212		0.11
	MW-F_20241213		0.07 J
Indeno(1,2,3-cd)pyrene	MW-C_20241212	0.002	0.06 J
	MW-D_20241212		0.09 J
	MW-F_20241213		0.10
Phenol	FIELD BLANK_20241212	1	1.2 J

Notes:
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
ND = The standard is a non-detectable concentration by the approved analytical method.
µg/L= micrograms per liter
MW-X_20241212 is a blind duplicate of MW-D_20241212.

- The third-party Data Usability Summary Report (DUSR) indicated the data are usable, with no substantial data quality issues. To achieve lower reporting levels, polycyclic aromatic hydrocarbon (PAH) compounds and select analytes were performed by selective ion monitoring (SIM) techniques. Though some qualifiers were added, none significantly altered the analytical results or their interpretation.

Tabulated groundwater results for VOCs and SVOCs are presented in the attached Tables 1A and 1B. VOCs and SVOCs exceeding AWQSGVs are displayed on Figure 1. The groundwater sampling logs, laboratory analytical report, DUSR are provided as Attachment A, Attachment B, and Attachment C, respectively. Validated Electronic Data Deliverables (EDDs) were submitted to NYSDEC on February 24, 2025.

GROUNDWATER DRUM DISPOSAL

On February 5, 2025, Brookside Environmental of Copiague, New York, picked up one drum of purged groundwater, that was generated during the annual groundwater sampling event, for off-site disposal at Clean Water of New York, located in Staten Island, New York. The final groundwater drum waste disposal manifest is provided in Attachment D.

CONCLUSIONS

VOCs

Although typically analyzed and reported as a SVOC, naphthalene was detected at 28 µg/L in MW-D (also reported at 27 µg/L in duplicate sample collected at MW-D) when analyzed as a VOC, which is above the AWQSGV of 10 µg/L. Additional detail on the significance of naphthalene on-site is discussed in the section below.

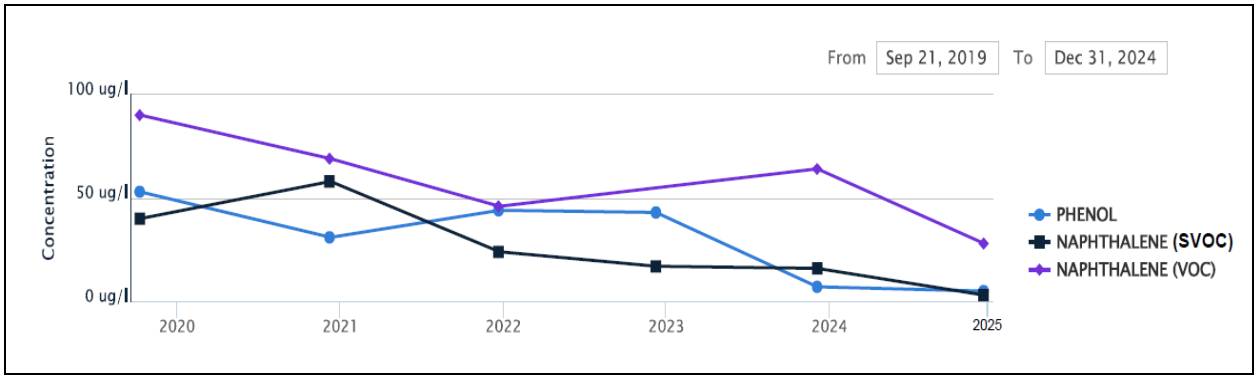
No other VOCs were detected above the AWQSGVs.

Naphthalene and Phenol

Naphthalene and phenol are contaminants commonly associated with coal tar and have historically been reported above their respective AWQSGV's in previous annual groundwater monitoring events, specifically at MW-D. As noted in the Final Engineering Report (FER) and previous PRRs, remnant coal tar dense non-aqueous phase liquid (DNAPL) contamination is present at the Site, which likely impacts the Site's shallow groundwater quality (especially at MW-D due to its proximity to NW-5). The remnant coal tar is removed from on-site DNAPL wells regularly by Con Edison.

The 2024 annual groundwater sampling results indicate a downward trend in both naphthalene and phenol concentrations, with neither naphthalene (as an SVOC) nor phenol detected above the AWQSGV at MW-D when compared to previous sampling events, as shown on the historic trend graph below.

Historic Trend Graph 1
Naphthalene and Phenol[1] Concentrations at MW-D
September 2019 to December 2024



Notes:
[1] – The 2024 Phenol concentration was reported as ND. Displayed value is shown at the reporting limit of 5 µg/L.

The continued reduction in observed naphthalene and phenol concentrations may be attributed to both the periodic removal of DNAPL from the Site recovery wells as well as natural attenuation. Periodic DNAPL removal will continue to be performed by Con Edison in accordance with the SMP, which is expected to further reduce the on-site naphthalene and phenol concentrations over time. As outlined in previous annual

reports and the FER, the slurry wall is down-gradient of MW-D and acts as a containment measure for the shallow contaminated groundwater in the southwestern portion of the Site.

Phenol was not detected in any of the on-site groundwater monitoring well samples; however, it should be noted that the reporting limit for phenol (5 µg/L) was above the AWQSGV of 1.0 µg/L. Phenol was detected in the field blank at a concentration of 1.2 µg/L, which is slightly above the AWQSGV of 1.0 µg/L and resulted in a higher reporting limit for phenol (see Attachment C for additional detail).

PAHs

The remaining AWQSGV SVOC exceedances are PAHs, a class of compounds most commonly found in combustion byproducts that are frequently found in urban fill. Remedial activities targeted contaminant source areas of elevated PAHs; however, areas of urban fill remain beneath the Site-wide cover as documented in historical sampling and endpoint sampling completed as part of the remediation at the Site (refer to the FER for additional detail). The low-level PAHs detected above AWQSGVs in the 2024 annual groundwater samples are likely attributable to remnant on-site urban fill and/or regional background concentrations.

Future Sampling Recommendations

Excluding naphthalene, SVOC detections only slightly exceeded their respective AWQSGVs. The 2024 annual sampling results continue to show reductions in the concentrations of coal tar related contaminants, with the presence of these contaminants limited to the southwestern portion of the Site, as reported in the groundwater sample collected at MW-D. Based on the annual sampling results, AKRF recommends continued groundwater monitoring on an annual basis at MW-D for TCL VOCs by EPA 8260 and TCL SVOCs by EPA 8270D, with discontinued sampling at the remaining on-site wells.

Please feel free to contact me at 914-922-2356 with any questions or concerns during your review.

Sincerely,
AKRF, Inc.

Marc Godick
Senior Vice President

Attachments:

Figure 1	Annual Groundwater Sampling Results Exceeding AWQSGVs
Tables 1A-1B	Annual Groundwater Sample Analytical Results
Attachment A	Well Sampling Log
Attachment B	Laboratory Analytical Reports
Attachment C	Data Usability Summary Reports (DUSRs)
Attachment D	Groundwater Drum Waste Disposal Manifest

cc (electronic copy only):
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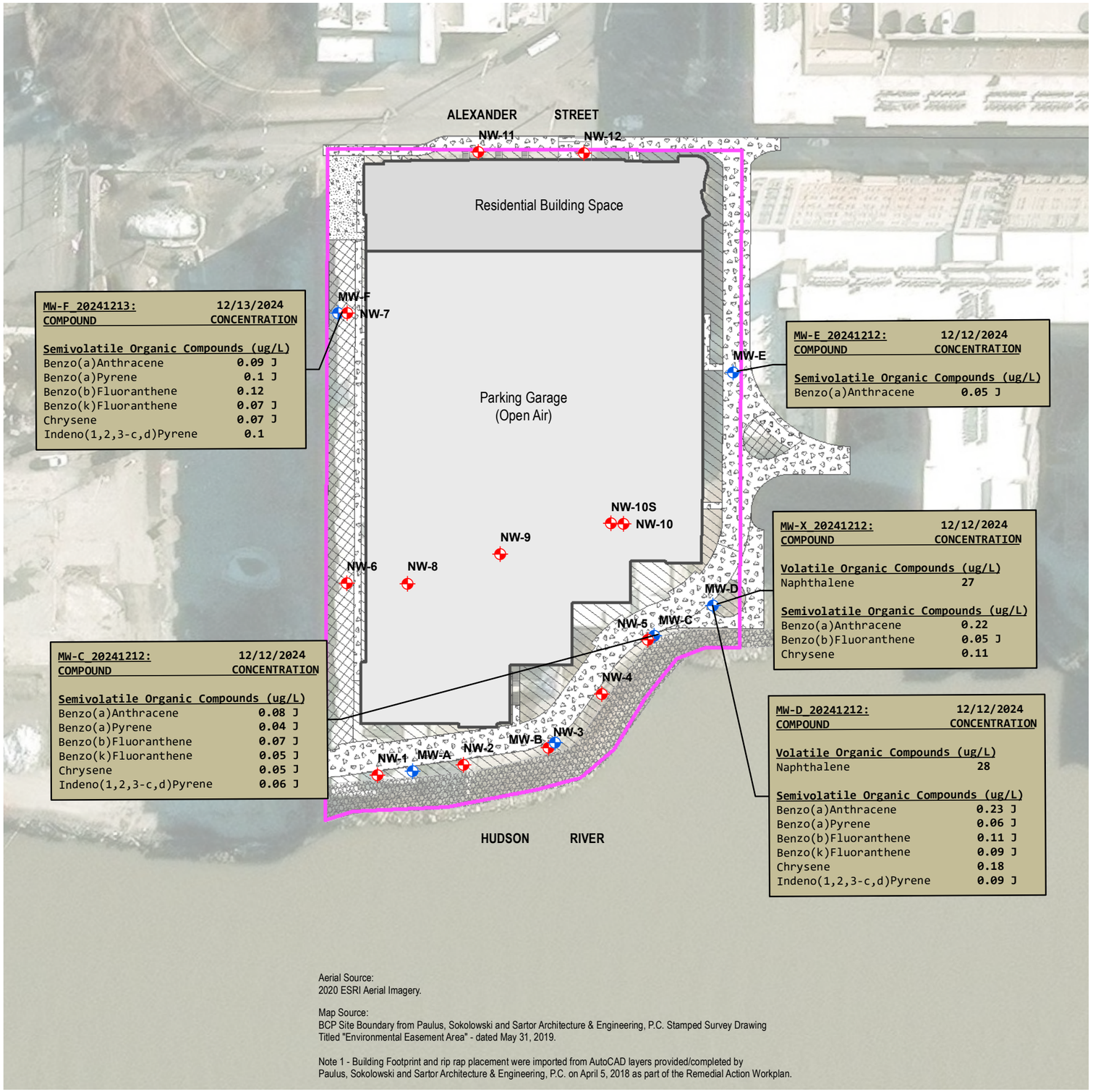
S. Lessick, M. Simpson, R. Perez – Avalon Yonkers Sun Sites, LLC

FIGURES



MW-F_20241213: 12/13/2024

COMPOUND	CONCENTRATION
Semivolatile Organic Compounds (ug/L)	
Benzo(a)Anthracene	0.09 J
Benzo(a)Pyrene	0.1 J
Benzo(b)Fluoranthene	0.12
Benzo(k)Fluoranthene	0.07 J
Chrysene	0.07 J
Indeno(1,2,3-c,d)Pyrene	0.1

MW-E_20241212: 12/12/2024

COMPOUND	CONCENTRATION
Semivolatile Organic Compounds (ug/L)	
Benzo(a)Anthracene	0.05 J

MW-X_20241212: 12/12/2024

COMPOUND	CONCENTRATION
Volatile Organic Compounds (ug/L)	
Naphthalene	27
Semivolatile Organic Compounds (ug/L)	
Benzo(a)Anthracene	0.22
Benzo(b)Fluoranthene	0.05 J
Chrysene	0.11

MW-C_20241212: 12/12/2024

COMPOUND	CONCENTRATION
Semivolatile Organic Compounds (ug/L)	
Benzo(a)Anthracene	0.08 J
Benzo(a)Pyrene	0.04 J
Benzo(b)Fluoranthene	0.07 J
Benzo(k)Fluoranthene	0.05 J
Chrysene	0.05 J
Indeno(1,2,3-c,d)Pyrene	0.06 J

MW-D_20241212: 12/12/2024

COMPOUND	CONCENTRATION
Volatile Organic Compounds (ug/L)	
Naphthalene	28
Semivolatile Organic Compounds (ug/L)	
Benzo(a)Anthracene	0.23 J
Benzo(a)Pyrene	0.06 J
Benzo(b)Fluoranthene	0.11 J
Benzo(k)Fluoranthene	0.09 J
Chrysene	0.18
Indeno(1,2,3-c,d)Pyrene	0.09 J

Aerial Source:
2020 ESRI Aerial Imagery.

Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.

Note 1 - Building Footprint and rip rap placement were imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. on April 5, 2018 as part of the Remedial Action Workplan.

LEGEND

- BCP SITE BOUNDARY
- PARKING GARAGE (OPEN
- RESIDENTIAL BUILDING SPACE
- ESPLANADE
- GRASS PAVER
- ASPHALT
- RIP RAP
- LANDSCAPED
- NAPL RECOVERY WELL LOCATION
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

Qualifier	Description
J	The reported value is estimated

MW-X_20241212 is a blind duplicate of sample MW-D_20241212

	NYSDEC AWQSGVs µg/l
Volatile Organic Compounds	
Naphthalene	10
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0
Benzo(b)Fluoranthene	0.002
Benzo(k)Fluoranthene	0.002
Indeno(1,2,3-c,d)Pyrene	0.002
Chrysene	0.002

0 40 80 160
SCALE IN FEET

akrf
440 Park Avenue South, New York, NY 10016

Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York

ANNUAL GROUNDWATER MONITORING EXCEEDANCES

DATE
3/7/2025

PROJECT NO.
180017

FIGURE
1

©2025 AKRF W:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\annual GW report\180017 Fig 1 GW Well Concentrations 2024.mxd 3/7/2025 1:36:17 PM jszalus

TABLES

Table 1A
Polychrome West
Yonkers, NY
Annual Groundwater Sampling - December 2024
Analytical Results of Volatile Organic Compounds (VOCs)

	AKRF Sample ID	MW-A_20241213	MW-B_20241212	MW-C_20241212	MW-D_20241212	MW-X_20241212
	Laboratory Sample ID	L2473190-08	L2473190-04	L2473190-03	L2473190-02	L2473190-05
	Date Sampled	12/13/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024
	Dilution Factor	1	1	1	1	1
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloropropane	1	1 U	1 U	1 UJ	1 UJ	1 UJ
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene, Total	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 R	250 R	250 R	250 R	250 R
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U
Acetone	50	3 J	4.4 J	5 U	17	16
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5	0.5
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
Bromodichloromethane	50	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Bromoform	50	2 U	2 UJ	2 UJ	2 UJ	2 UJ
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon disulfide	60	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 UJ
Dichlorodifluoromethane	5	5 U	5 UJ	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 U	2.5 U	2.5 U	**28**	**27**
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U
p-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.36 J	0.38 J
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	1.6 J	1.5 J
Vinyl acetate	NS	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 1A
Polychrome West
Yonkers, NY
Annual Groundwater Sampling - December 2024
Analytical Results of Volatile Organic Compounds (VOCs)

	AKRF Sample ID	MW-E_20241212	MW-F_20241213	FIELD BLANK_20241212	TRIP BLANK_20241212
	Laboratory Sample ID	L2473190-01	L2473190-09	L2473190-06	L2473190-07
	Date Sampled	12/12/2024	12/13/2024	12/12/2024	12/12/2024
	Dilution Factor	1	1	1	1
	Units	µg/L	µg/L	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 UJ
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloropropane	1	1 U	1 U	1 UJ	1 UJ
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 UJ	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene, Total	0.4	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 R	250 R	250 R	250 R
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U
Acetone	50	5 U	3.8 J	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 UJ
Bromodichloromethane	50	0.5 U	0.5 U	0.5 UJ	0.5 U
Bromoform	50	2 U	2 U	2 UJ	2 UJ
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon disulfide	60	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 UJ
Dibromomethane	5	5 U	5 U	5 UJ	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	**10**	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	2 U	2 U	2 U	2 U
p-Ethyltoluene	NS	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.38 J	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	NS	0.5 UJ	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 UJ	5 U	5 UJ	5 UJ
Vinyl chloride	2	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U

Table 1B
Polychrome West
Yonkers, NY
Annual Groundwater Sampling - December 2024
Analytical Results of Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-A_20241213	MW-B_20241212	MW-C_20241212	MW-D_20241212	MW-X_20241212
	Laboratory Sample ID	L2473190-08	L2473190-04	L2473190-03	L2473190-02	L2473190-05
	Date Sampled	12/13/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024
	Dilution Factor	1	1	1	1	1
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 UJ	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.1 U	3.3	3.4
2-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	0.1 U	0.1 U	0.32	16	16
Acenaphthylene	NS	0.1 U	0.1 U	0.1 U	0.62	0.58
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U
Anthracene	50	0.1 U	0.1 U	0.1 U	2.1	2.8
Benzo(a)anthracene	**0.002**	0.1 U	0.1 U	**0.08 J**	**0.23 J**	**0.22**
Benzo(a)pyrene	**ND**	0.1 U	0.1 U	**0.04 J**	**0.06 J**	0.1 U
Benzo(b)fluoranthene	**0.002**	0.1 U	0.1 U	**0.07 J**	**0.11 J**	**0.05 J**
Benzo(ghi)perylene	NS	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U
Benzo(k)fluoranthene	**0.002**	0.1 U	0.1 U	**0.05 J**	**0.09 J**	0.1 U
Benzoic Acid	NS	50 U	50 R	50 R	6.8 J-	10 J-
Benzyl Alcohol	NS	2 U	2 U	2 U	3.2	3.9
Biphenyl	5	2 U	2 U	2 U	2.5	2.5
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 UJ	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	5	2 U	2 U	2 U	2 U	2 UJ
Bis(2-ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U	13	14
Chrysene	**0.002**	0.1 U	0.1 U	**0.05 J**	**0.18**	**0.11**
Dibenzo(a,h)anthracene	NS	0.1 U	0.1 U	0.04 J	0.08 J	0.1 U
Dibenzofuran	NS	2 U	2 U	2 U	6.7	6.1
Diethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	0.1 U	0.1 U	0.1 J	3.6	3.5
Fluorene	50	0.1 U	0.1 U	0.1 U	6.2	5.6
Hexachlorobenzene	0.04	0.8 UJ	0.8 UJ	0.8 U	0.8 U	0.8 UJ
Hexachlorobutadiene	0.5	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 J
Hexachlorocyclopentadiene	5	20 U	20 UJ	20 UJ	20 UJ	20 UJ
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-cd)pyrene	**0.002**	0.1 U	0.1 U	**0.06 J**	**0.09 J**	0.1 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	0.1 U	0.1 U	0.1 U	3.1	4.1
NDPA/DPA	50	2 U	2 U	2 U	2 U	2 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U	5 U	5 U
p-Chloro-m-cresol	NS	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50	0.1 U	0.1 U	0.1 U	9.7	9.2
Phenol	**1**	5 U	5 U	5 U	5 U	5 U
Pyrene	50	0.1 U	0.1 U	0.08 J	2.4	2.3

Table 1B
Polychrome West
Yonkers, NY
Annual Groundwater Sampling - December 2024
Analytical Results of Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-E_20241212	MW-F_20241213	FIELD BLANK_20241212
	Laboratory Sample ID	L2473190-01	L2473190-09	L2473190-06
	Date Sampled	12/12/2024	12/13/2024	12/12/2024
	Dilution Factor	1	1	1
	Units	µg/L	µg/L	µg/L
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 UJ	5 UJ
2,4-Dinitrophenol	10	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.1 U
2-Methylphenol	NS	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U
4-Chloroaniline	5	5 UJ	5 U	5 UJ
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U
Acenaphthene	20	0.28	0.1 U	0.1 U
Acenaphthylene	NS	0.1 U	0.1 U	0.1 U
Acetophenone	NS	5 U	5 U	5 U
Anthracene	50	0.1 U	0.05 J	0.1 U
Benzo(a)anthracene	**0.002**	**0.05 J**	**0.09 J**	0.1 U
Benzo(a)pyrene	**ND**	0.1 U	**0.1 J**	0.1 U
Benzo(b)fluoranthene	**0.002**	0.1 U	**0.12**	0.1 U
Benzo(ghi)perylene	NS	0.1 U	0.1	0.1 UJ
Benzo(k)fluoranthene	**0.002**	0.1 U	**0.07 J**	0.1 U
Benzoic Acid	NS	50 R	50 U	50 R
Benzyl Alcohol	NS	2 U	2 U	2 U
Biphenyl	5	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 U	2 UJ	2 U
Bis(2-chloroisopropyl)ether	5	2 U	2 U	2 UJ
Bis(2-ethylhexyl)phthalate	5	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U
Chrysene	**0.002**	0.1 U	**0.07 J**	0.1 U
Dibenzo(a,h)anthracene	NS	0.1 U	0.05 J	0.1 U
Dibenzofuran	NS	2 U	2 U	2 U
Diethyl phthalate	50	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U
Fluoranthene	50	0.17	0.11	0.1 U
Fluorene	50	0.03 J	0.1 U	0.1 U
Hexachlorobenzene	0.04	0.8 U	0.8 UJ	0.8 UJ
Hexachlorobutadiene	0.5	0.5 UJ	0.5 UJ	0.5 UJ
Hexachlorocyclopentadiene	5	20 U	20 U	20 UJ
Hexachloroethane	5	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-cd)pyrene	**0.002**	0.1 U	**0.1**	0.1 U
Isophorone	50	5 U	5 U	5 U
Naphthalene	10	0.1 U	0.03 J	0.1 U
NDPA/DPA	50	2 U	2 U	2 U
Nitrobenzene	0.4	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U
p-Chloro-m-cresol	NS	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	0.09 J
Phenanthrene	50	0.1 U	0.05 J	0.1 U
Phenol	**1**	5 U	5 U	**1.2 J**
Pyrene	50	0.18	0.12	0.1 U

Tables 1A-1B
Polychrome West
Yonkers, NY
Annual Groundwater Sampling
Notes

DEFINITIONS

J : The concentration given is an estimated value.

ND : The standard is a non-detectable concentration by the approved analytical method.

NS : No standard.

J- : The concentraion is estimated and biased low.

R : The concentration was rejected as unreliable.

U : The analyte was not detected at the indicated concentration.

µg/L : micrograms per liter

STANDARDS

NYSDEC Class GA AWQSGVs : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DUPLICATES

MW-X_20241212 is a blind duplicate of sample MW-D_20241212.

ATTACHMENT A
WELL SAMPLING LOGS

Well Sampling Log

Job No:	**180017**	**Client:**	**Avalon Bay Sun Sites, LLC**	**Well No:**	
Project Location:	**AVB Yonkers Polychrome West**	**Sampled By:**	**C. Walters**		
Date:	**12/13/2024**	**Sampling Time:**	**7:57 PM**	**MW-A**	
LEL at surface:	**N/A**				
PID at surface:	**ND**				
Total Depth:	11.26 ft. below top of casing	**Water Column (WC):**	5.45 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	5.81 ft. below top of casing	**Well Volume*:**	3.56 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	3.2 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	1.56 ft. below top of casing	**Well Diam.:**	4 inches	Target Maximum Flow Rate is 100 ml/min	
Depth to bottom of screen:	11.56 ft. below top of casing	**Purging Device (pump type):**	Peristallic Pump		
Approx. Pump Intake:	9.0 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
7:15	5.81	100	7.6	2.672	8.78	5.65	327.4	14.52	
7:20	5.81	100	11.4	6.156	2.00	6.33	301.0	23.83	
7:25	5.81	100	11.3	8.764	1.41	6.78	281.6	17.31	
7:30	5.81	100	8.1	8.565	2.34	7.07	267.4	9.95	
7:35	5.81	100	8.8	8.485	3.01	7.13	263.7	7.86	
7:40	5.81	100	7.9	8.16	2.70	7.20	264.3	6.05	
7:45	5.81	100	8.7	7.911	1.66	7.23	257.5	5.71	
7:50	5.80	100	8.1	7.805	1.39	7.26	255.4	5.17	
7:55	5.80	100	7.9	7.687	1.63	7.29	253.4	4.45	
	SAMPLE								
8:04	5.80	100	8.0	6.688	10.59	7.57	252.3	9.07	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

No odors/sheen. Well head space filled with water.Sample at 7:57.

Groundwater sample MW-A_20241213 was analyzed for TCL VOCs and TCL SVOCs.

Well Sampling Log

Job No:	**180017**	**Client:**	**Avalon Bay Sun Sites, LLC**	**Well No:**	
Project Location:	**AVB Yonkers Polychrome West**	**Sampled By:**	**C. Walters**		
Date:	**12/12/2024**	**Sampling Time:**	**1:07 PM**	**MW-B**	
LEL at surface:	**N/A**				
PID at surface:	**ND**				
Total Depth:	12.72 ft. below top of casing	**Water Column (WC):**	3.86 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	8.86 ft. below top of casing	**Well Volume*:**	2.52 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	1.8 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	2.86 ft. below top of casing	**Well Diam.:**	4 inches	Target Maximum Flow Rate is 100 ml/min	
Depth to bottom of screen:	12.86 ft. below top of casing	**Purging Device (pump type):**	Peristallic Pump		
Approx. Pump Intake:	10.0 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
12:25	8.86	100	14.3	14.666	0.85	7.37	25.6	174.56	
12:30	8.86	100	13.9	14.448	0.50	7.30	20.6	295.00	
12:35	8.86	100	13.3	13.478	0.98	7.38	21.4	323.02	
12:40	8.86	100	13.6	12.259	2.17	7.40	31.7	314.57	
12:45	8.86	100	13.5	11.185	3.41	7.43	52.7	298.57	
12:50	8.86	100	13.8	11.157	3.87	7.43	68.6	5.52	No odors/sheen.
12:55	8.86	100	14.1	11.367	3.70	7.40	75.8	5.53	
13:00	8.86	100	13.9	11.517	3.61	7.39	82	6.51	
13:05	8.86	100	13.8	11.662	3.49	7.38	85.4	8.33	
	SAMPLE								
13:13	8.85	100	10.3	12.454	3.47	7.40	94.4	4.23	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample MW-B_20241213 was analyzed for TCL VOCs and TCL SVOCs.

Well Sampling Log

Job No:	**180017**	**Client:**	**Avalon Bay Sun Sites, LLC**	**Well No:**	
Project Location:	**AVB Yonkers Polychrome West**	**Sampled By:**	**C. Walters**		
Date:	**12/12/2024**	**Sampling Time:**	**11:42 AM**	**MW-C**	
LEL at surface:	**N/A**				
PID at surface:	**ND**				
Total Depth:	12.43 ft. below top of casing	**Water Column (WC):**	5.02 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	7.41 ft. below top of casing	**Well Volume*:**	3.28 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	1.9 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	2.55 ft. below top of casing	**Well Diam.:**	4 inches	Target Maximum Flow Rate is 100 ml/min	
Depth to bottom of screen:	12.55 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	10.0 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
10:50	7.41	100	13.3	7.535	5.56	8.98	12.2	11.91	
10:55	7.41	100	13.5	7.261	4.08	8.05	16.4	2.65	
11:00	7.41	100	13.8	7.591	2.84	7.43	44.0	2.07	
11:05	7.41	100	13.8	7.852	2.17	7.30	45.1	2.19	
11:10	7.41	100	14.0	8.333	1.20	7.16	32.1	2.44	
11:15	7.41	100	14.1	8.536	0.82	7.10	20.0	3.89	
11:20	7.41	100	14.1	8.727	0.54	7.06	-6.6	3.47	No odors/sheen.
11:25	7.40	100	14.1	8.885	0.40	7.04	-35.4	3.93	
11:30	7.40	100	14.1	8.592	0.25	7.03	-58.7	4.02	
11:35	7.40	100	14.2	9.014	0.18	7.03	-67.1	4.26	
11:40	7.40	100	14.2	9.053	0.15	7.03	-68.2	4.02	
	SAMPLE								
11:46	7.40	100	12.2	8.262	0.11	7.04	-82.5	2.77	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample MW-C_20241213 was analyzed for TCL VOCs and TCL SVOCs.

Well Sampling Log

Job No:	**180017**	**Client:**	**Avalon Bay Sun Sites, LLC**	**Well No:**	
Project Location:	**AVB Yonkers Polychrome West**	**Sampled By:**	**C. Walters**		
Date:	**12/12/2024**	**Sampling Time:**	**10:27 AM**		**MW-D**
LEL at surface:	**N/A**				
PID at surface:	**ND**				
Total Depth:	15.91 ft. below top of casing	**Water Column (WC):**	7.78 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	8.13 ft. below top of casing	**Well Volume*:**	5.08 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	4.2 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	6.30 ft. below top of casing	**Well Diam.:**	4 inches	Target Maximum Flow Rate is 100 ml/min	
Depth to bottom of screen:	16.30 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	12.0 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
9:25	8.13	100	18.1	14.098	1.08	10.85	51.2	2.48	
9:30	8.13	100	18.4	14.279	0.12	10.95	31	9.52	
9:35	8.13	100	18.2	14.273	0.03	10.96	23.2	8.75	
9:40	8.13	100	18.4	14.255	0.08	10.96	13.2	8.27	
9:45	8.11	100	18.3	14.327	0.07	10.98	-0.9	7.32	
9:50	8.12	100	18.4	14.946	0.03	11.01	-13.4	7.88	MW-D_20241212 MW-X_20241212 No odors/sheen Duplicate MW-X sample at 10:30
9:55	8.11	100	18.4	14.559	0.01	11.03	-25.3	8.51	
10:00	8.11	100	18.3	14.866	-0.01	11.07	-40.5	7.29	
10:05	8.09	100	18.3	15.024	-0.02	11.09	-55.2	6.00	
10:10	8.09	100	18.3	15.223	-0.02	11.11	-63.2	5.86	
10:15	8.10	100	18.4	15.38	-0.03	11.13	-77.8	5.16	
10:20	8.10	100	18.3	15.427	-0.04	11.13	-83.9	4.87	
10:25	8.10	100	18.3	15.551	-0.05	11.14	-87.1	5.62	
10:27	SAMPLE								
10:38	8.10	100	17.2	15.738	3.00	11.17	-81.4	1.85	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample MW-D_20241213 was analyzed for TCL VOCs and TCL SVOCs.

Well Sampling Log

Job No:	**180017**	**Client:**	**Avalon Bay Sun Sites, LLC**	**Well No:**	
Project Location:	**AVB Yonkers Polychrome West**	**Sampled By:**	**C. Walters**		**MW-E**
Date:	**12/12/2024**	**Sampling Time:**	**10:27 AM**		
LEL at surface:	**N/A**				
PID at surface:	**ND**				
Total Depth:	12.42 ft. below top of casing	**Water Column (WC):**	4.73 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	7.69 ft. below top of casing	**Well Volume*:**	3.09 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	3.9 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	2.78 ft. below top of casing	**Well Diam.:**	4 inches	Target Maximum Flow Rate is 100 ml/min	
Depth to bottom of screen:	12.78 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	2.4 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
7:35	7.69	100	10.0	15.679	0.29	7.30	114.8	9.57	No odors/sheen
7:40	7.69	100	9.3	15.523	0.28	7.30	109.1	17.41	
7:45	7.69	100	7.7	14.163	0.71	7.35	80.1	34.17	
7:50	7.69	100	9.3	12.463	2.57	7.37	81.1	84.29	
7:55	7.69	100	9.1	12.4	2.74	7.36	89.4	92.14	
8:00	7.68	100	9.0	12.386	2.73	7.36	94.7	87.91	
8:05	7.68	100	9.0	12.384	2.54	7.36	100.4	3.78	
8:10	7.68	100	9.0	12.317	2.83	7.36	105.8	3.66	
8:15	7.68	100	9.0	12.171	3.20	7.35	114.1	3.12	
8:20	7.69	100	8.9	12.016	3.43	7.36	122.7	3.20	
8:25	7.69	100	9.0	11.822	3.72	7.36	129.9	3.27	
8:30	7.67	100	8.9	11.631	3.86	7.36	136.6	5.26	
8:35	7.67	100	9.0	11.424	4.02	7.36	142.2	3.14	
8:40	7.67	100	8.9	11.183	4.16	7.37	148.8	3.10	
	SAMPLE								
9:07	7.67	100	7.4	16.527	2.97	7.24	93.7	7.65	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample MW-E_20241213 was analyzed for TCL VOCs and TCL SVOCs.

Well Sampling Log

Job No:	**180017**	**Client:**	**Avalon Bay Sun Sites, LLC**	**Well No:**	
Project Location:	**AVB Yonkers Polychrome West**	**Sampled By:**	**C. Walters**		
Date:	**12/13/2024**	**Sampling Time:**	**9:33 AM**		**MW-F**
LEL at surface:	**N/A**				
PID at surface:	**ND**				
Total Depth:	17.65 ft. below top of casing	**Water Column (WC):**	7.60 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	10.05 ft. below top of casing	**Well Volume*:**	4.96 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	2.1 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	7.70 ft. below top of casing	**Well Diam.:**	4 inches	Target Maximum Flow Rate is 100 ml/min	
Depth to bottom of screen:	17.70 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	14.0 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
8:35	10.05	100	9.1	2.181	9.40	8.16	106.6	21.00	No odors/sheen
8:40	10.05	100	13.7	1.921	6.07	7.58	138.1	14.08	
8:45	10.05	100	13.8	1.892	5.80	7.48	166.9	12.92	
8:50	10.05	100	13.7	1.87	5.72	7.47	181.3	11.95	
8:55	10.05	100	13.7	1.859	5.57	7.46	194.5	12.12	
9:00	10.05	100	13.7	1.849	5.49	7.46	224.6	13.27	
9:05	10.05	100	13.6	1.841	5.36	7.46	207.5	16.39	
9:10	10.05	100	13.7	1.84	5.15	7.45	212.5	12.32	
9:15	10.04	100	13.8	1.84	4.94	7.45	251.9	12.14	
9:20	10.04	100	13.8	1.841	4.63	7.45	214.5	10.88	
9:25	10.04	100	13.7	1.841	4.46	7.45	221.5	11.29	
9:30	10.04	100	13.8	1.845	4.34	7.45	223.1	14.84	
	SAMPLE								
9:37	10.04	100	11.9	1.847	4.30	7.45	227.1	15.13	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample MW-F_20241213 was analyzed for TCL VOCs and TCL SVOCs.

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2473190

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CC Quant - WG2011026-3 SV106 Run: 12/18/24 22:19 2157
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CC Summary - DAKOTA Run: 12/19/24 00:24 2399
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Laboratory Control S (WG2010029-2) Analyzed: 12/17/24 22:53 2745
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Matrix Spike (WG2011033-4) Analyzed: 12/19/24 15:02 3260
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IL8 Injected on: 11/05/24 08:03 3911
IL7 Injected on: 11/05/24 08:19 3915
IL6 Injected on: 11/05/24 08:36 3919
IL5 Injected on: 11/05/24 08:52 3923
IL4 Injected on: 11/05/24 09:08 3929
IL3 Injected on: 11/05/24 09:24 3935
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Tailing Factor Injected on: 11/05/24 10:48 4003
IL10 Injected on: 11/05/24 11:10 4005
IL9 Injected on: 11/05/24 11:26 4015
IL8 Injected on: 11/05/24 11:42 4019
IL7 Injected on: 11/05/24 11:58 4023
IL6 Injected on: 11/05/24 12:15 4027
IL5 Injected on: 11/05/24 12:31 4031
IL4 Injected on: 11/05/24 12:47 4037
IL3 Injected on: 11/05/24 13:03 4050
IL2 Injected on: 11/05/24 13:20 4061
IL1 Injected on: 11/05/24 13:36 4071
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dftpp tune - Inst. SV120 12/18/24 06:21 4207
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Form 7 - Organics 4210
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Form 7 - Organics 4255
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DEG Quant for SV120 injected on 12/19/24 06:47 4296
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Form 7 - Organics 4300
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Laboratory Method Bl (WG2011034-1) Analyzed: 12/19/24 11:56 4350
Laboratory Control S (WG2010030-2) Analyzed: 12/19/24 07:52 4354
Laboratory Control S (WG2011034-2) Analyzed: 12/19/24 11:23 4380
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ICAL Sequence for SV120 on 05-NOV-2024 00:00 ICAL21668 4515
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Organic ELN-Workgroup:WG2010030 4522
Organic ELN-Workgroup:WG2011034 4524

Project Name: AVALON SITE-PCW
Project Number: 180017

Lab Number: L2473190
Report Date: 12/20/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473190-01	MW-E_20241212	WATER	YONKERS, NY	12/12/24 08:43	12/12/24
L2473190-02	MW-D_20241212	WATER	YONKERS, NY	12/12/24 10:27	12/12/24
L2473190-03	MW-C_20241212	WATER	YONKERS, NY	12/12/24 11:42	12/12/24
L2473190-04	MW-B_20241212	WATER	YONKERS, NY	12/12/24 13:07	12/12/24
L2473190-05	MW-X_20241212	WATER	YONKERS, NY	12/12/24 10:30	12/12/24
L2473190-06	FIELD BLANK_20241212	WATER	YONKERS, NY	12/12/24 12:50	12/12/24
L2473190-07	TRIP BLANK_20241212	WATER	YONKERS, NY	12/12/24 00:00	12/12/24
L2473190-08	MW-A_20241213	WATER	YONKERS, NY	12/13/24 07:57	12/13/24
L2473190-09	MW-F_20241213	WATER	YONKERS, NY	12/13/24 09:33	12/13/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

December 20, 2024: This final report includes the results of all requested analyses.

December 19, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG2010029-2/-3 LCS/LCSD recoveries, associated with L2473190-01 through -05, are below the acceptance criteria for benzoic acid (9%/6%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG2010761-2/-3 LCS/LCSD recoveries, associated with L2473190-06, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Semivolatile Organics by SIM

WG2011034: An MS/MSD was not analyzed because the dilution required by the native sample would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey Report Date: 12/20/24

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2473190

Account Name : AKRF, Inc.
Project Number : 180017
Project Name : AVALON SITE-PCW

Received : 12-DEC-2024
Reviewer : Julie Convery

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.5	
B	Absent/	Ice	2.0	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 20 2024, 06:45 pm

Login Number: L2473190
Account: AKRF-M-2 AKRF, Inc.Project: 180017
Received: 12DEC24 Due Date: 20DEC24

Sample #	Client ID	Mat	PR	Collected
L2473190-01	MW-E_20241212		1 S0	12DEC24 08:43
L2473190-01	MS L2473190-01 MSD ASP-B Package Due Date: 12/20/24			
	ASP-B,MS/MSD,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT			
L2473190-02	MW-D_20241212		1 S0	12DEC24 10:27
|	Package Due Date: 12/20/24			
	NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT			
L2473190-03	MW-C_20241212		1 S0	12DEC24 11:42
|	Package Due Date: 12/20/24			
	NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT			
L2473190-04	MW-B_20241212		1 S0	12DEC24 13:07
|	Package Due Date: 12/20/24			
	NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT			
L2473190-05	MW-X_20241212		1 S0	12DEC24 10:30
|	Package Due Date: 12/20/24			
	NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT			
L2473190-06	FIELD BLANK_20241212		1 S0	12DEC24 12:50
|	Package Due Date: 12/20/24			
	NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT			
L2473190-07	TRIP BLANK_20241212		1 S0	12DEC24 00:00
|	Package Due Date: 12/20/24			

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 20 2024, 06:45 pm

Login Number: L2473190
Account: AKRF-M-2 AKRF, Inc.Project: 180017
Received: 12DEC24 Due Date: 20DEC24

Sample #	Client ID		Mat	PR	Collected
NYTCL-8260					
L2473190-08	MW-A_20241213	1	S0	13DEC24	07:57
| Package Due Date: 12/20/24					
NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT					
L2473190-09	MW-F_20241213	1	S0	13DEC24	09:33
| Package Due Date: 12/20/24					
NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT					

Logged By: Ben Rao

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/13/24 / 12/12/24

L2473190 **19DEC24**
AKRF – M – 2

Client Information

Client: AKRF Inc.
Address: ~~440 Park Ave~~ 34 S. Broadway, White Plains, NY 10601
Phone:
Fax:
Email: sgreen@akrf.com

Project Information

Project Name: Avalon Site - PCW
Project Location: Yonkers, NY
Project # 180017
(Use Project name as Project #) ☐
Project Manager: Steve Green
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other EQuIS EDD

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Keep SDGs open
Cat. B Deliverables, AKRF EQuIS EDD

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Sample Specific Comments	Total # Bottles
73190-01	MW-E_20241212	12/12/24	0843	Ag	CW	x	x	MS/MSD	15
02	MW-D_20241212	12/12/24	1027			x	x		5
03	MW-C_20241212	12/12/24	1142			x	x		5
04	MW-B_20241212	12/12/24	1307			x	x		5
05	MW-X_20241212	12/12/24	1030			x	x		5
06	Field Blank_20241212	12/12/24	1250			x	x		5
07	Trip Blank_20241212	12/12/24	1245			x			2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Container Type	V	A							
Preservative	B	A							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/12/24 1445		12/12/24 15:44
	12/12/24 17:40		12/12/24 1820
	12/12/24 2200		12/12/24 2200
	12/13/24 0030		12/12 0030 12/13/24

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/14/24

ALPHA Job #: L2473190

Client Information

Client: AKRF Inc.
Address: 34 S Broadway White Plains, NY, 10601
Phone:
Fax:
Email: sgreen@akrf.com

Project Information

Project Name: Avalon Site - PCW
Project Location: Yonkers, NY
Project #: 180017
(Use Project name as Project #): ☐
Project Manager: Steve Green
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other EQuIS EDD

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Close SDG
Cat B. Deliverables, AKRF EQuIS EDD

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Sample Specific Comments	Total Bottle
73190 08	MW-A_20241213	12/13/24	757	Ag	CW	X	X		5
09	MW-F_20241213	12/13/24	933	Ag	CW	X	X		5

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A							
Preservative	B	A							

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	12/13/24 1534	GSAC PACE	12/13/24 15:30
GSAC	12/13/24 19:05	NJSC	12/13/24 19:05
NJSC	12/13/24 19:05	PACE	12/13/24 1938
PACE	12/13/24		12/13/24 2230

12/14/24 0110 — 12/14/24 0110

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: AKRF, Inc.
Project Name: AVALON SITE-PCW

Lab Number: L2473190
Project Number: 180017
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-E_20241212 (L2473190-01)	105	98	98	106	0
MW-D_20241212 (L2473190-02)	100	97	95	114	0
MW-C_20241212 (L2473190-03)	104	95	100	119	0
MW-B_20241212 (L2473190-04)	105	93	98	122	0
MW-X_20241212 (L2473190-05)	95	98	97	109	0
FIELD BLANK_20241212 (L2473190-06)	103	94	99	122	0
TRIP BLANK_20241212 (L2473190-07)	100	93	98	121	0
MW-A_20241213 (L2473190-08)	105	100	103	107	0
MW-F_20241213 (L2473190-09)	102	100	101	104	0
WG2011243-3LCS	99	98	96	105	0
WG2011243-4LCSD	100	98	99	105	0
WG2011243-5BLANK	101	100	101	106	0
MW-E_20241212MS	98	99	104	101	0
MW-E_20241212MSD	98	100	104	99	0
WG2011328-3LCS	104	102	100	104	0
WG2011328-4LCSD	109	101	100	107	0
WG2011328-5BLANK	110	95	102	120	0
WG2011630-3LCS	98	100	101	104	0
WG2011630-4LCSD	98	99	105	101	0
WG2011630-5BLANK	100	100	102	105	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011243-3	**Analysis Date** : 12/18/24 19:16	**File ID** : V22241218N01
LCSD Sample ID	: WG2011243-4	**Analysis Date** : 12/18/24 19:41	**File ID** : V22241218N02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110		10	9.7	97		13	70-130	20
1,1-Dichloroethane	10	11	110		10	9.5	95		15	70-130	20
Chloroform	10	10	100		10	9.6	96		4	70-130	20
Carbon tetrachloride	10	11	110		10	10	100		10	63-132	20
1,2-Dichloropropane	10	9.6	96		10	9.5	95		1	70-130	20
Dibromochloromethane	10	9.0	90		10	8.7	87		3	63-130	20
1,1,2-Trichloroethane	10	9.1	91		10	8.7	87		4	70-130	20
Tetrachloroethene	10	11	110		10	10	100		10	70-130	20
Chlorobenzene	10	11	110		10	9.8	98		12	75-130	20
Trichlorofluoromethane	10	11	110		10	9.6	96		14	62-150	20
1,2-Dichloroethane	10	10	100		10	9.4	94		6	70-130	20
1,1,1-Trichloroethane	10	11	110		10	9.9	99		11	67-130	20
Bromodichloromethane	10	9.7	97		10	9.4	94		3	67-130	20
trans-1,3-Dichloropropene	10	8.6	86		10	8.2	82		5	70-130	20
cis-1,3-Dichloropropene	10	9.1	91		10	9.0	90		1	70-130	20
1,1-Dichloropropene	10	9.7	97		10	9.4	94		3	70-130	20
Bromoform	10	8.4	84		10	8.1	81		4	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92		10	9.0	90		2	67-130	20
Benzene	10	9.7	97		10	9.2	92		5	70-130	20
Toluene	10	10	100		10	9.5	95		5	70-130	20
Ethylbenzene	10	10	100		10	9.6	96		4	70-130	20
Chloromethane	10	11	110		10	9.6	96		14	64-130	20
Bromomethane	10	3.3	33	Q	10	2.7	27	Q	20	39-139	20
Vinyl chloride	10	8.2	82		10	7.1	71		14	55-140	20
Chloroethane	10	6.8	68		10	6.0	60		13	55-138	20
1,1-Dichloroethene	10	11	110		10	9.8	98		12	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011243-3	**Analysis Date** : 12/18/24 19:16	**File ID** : V22241218N01
LCSD Sample ID	: WG2011243-4	**Analysis Date** : 12/18/24 19:41	**File ID** : V22241218N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Trichloroethene	10	9.6	96	10	9.4	94	2	70-130	20
1,2-Dichlorobenzene	10	10	100	10	9.9	99	1	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.9	99	11	70-130	20
1,4-Dichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
Methyl tert butyl ether	10	8.7	87	10	8.5	85	2	63-130	20
p/m-Xylene	20	20	100	20	18	90	11	70-130	20
o-Xylene	20	19	95	20	18	90	5	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Dibromomethane	10	10	100	10	9.8	98	2	70-130	20
1,2,3-Trichloropropane	10	8.7	87	10	8.5	85	2	64-130	20
Acrylonitrile	10	11	110	10	10	100	10	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	8.6	86	10	7.5	75	14	36-147	20
Acetone	10	11	110	10	9.8	98	12	58-148	20
Carbon disulfide	10	11	110	10	9.9	99	11	51-130	20
2-Butanone	10	12	120	10	11	110	9	63-138	20
Vinyl acetate	10	9.4	94	10	9.3	93	1	70-130	20
4-Methyl-2-pentanone	10	7.0	70	10	7.2	72	3	59-130	20
2-Hexanone	10	8.4	84	10	8.4	84	0	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
2,2-Dichloropropane	10	11	110	10	9.7	97	13	63-133	20
1,2-Dibromoethane	10	9.3	93	10	8.8	88	6	70-130	20
1,3-Dichloropropane	10	9.0	90	10	8.6	86	5	70-130	20
1,1,1,2-Tetrachloroethane	10	9.7	97	10	9.1	91	6	64-130	20
Bromobenzene	10	10	100	10	9.8	98	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011243-3	**Analysis Date** : 12/18/24 19:16	**File ID** : V22241218N01
LCSD Sample ID	: WG2011243-4	**Analysis Date** : 12/18/24 19:41	**File ID** : V22241218N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	11	110	10	9.8	98	12	53-136	20
sec-Butylbenzene	10	11	110	10	9.8	98	12	70-130	20
tert-Butylbenzene	10	10	100	10	9.6	96	4	70-130	20
o-Chlorotoluene	10	10	100	10	9.4	94	6	70-130	20
p-Chlorotoluene	10	10	100	10	9.6	96	4	70-130	20
1,2-Dibromo-3-chloropropane	10	9.0	90	10	8.3	83	8	41-144	20
Hexachlorobutadiene	10	12	120	10	11	110	9	63-130	20
Isopropylbenzene	10	10	100	10	9.9	99	1	70-130	20
p-Isopropyltoluene	10	10	100	10	9.7	97	3	70-130	20
Naphthalene	10	9.7	97	10	9.1	91	6	70-130	20
n-Propylbenzene	10	10	100	10	9.6	96	4	69-130	20
1,2,3-Trichlorobenzene	10	11	110	10	9.8	98	12	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	9.4	94	6	64-130	20
1,2,4-Trimethylbenzene	10	12	120	10	11	110	9	70-130	20
1,4-Dioxane	500	500	100	500	460	92	8	56-162	20
p-Diethylbenzene	10	10	100	10	9.5	95	5	70-130	20
p-Ethyltoluene	10	10	100	10	9.6	96	4	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.9	99	10	9.1	91	8	70-130	20
Ethyl ether	10	9.4	94	10	9.0	90	4	59-134	20
trans-1,4-Dichloro-2-butene	10	8.6	86	10	8.0	80	7	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011328-3	**Analysis Date** : 12/18/24 17:55	**File ID** : V30241218N02
LCSD Sample ID	: WG2011328-4	**Analysis Date** : 12/18/24 18:17	**File ID** : V30241218N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	9.9	99	1	70-130	20
1,1-Dichloroethane	10	11	110	10	9.8	98	12	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	7.7	77	10	7.6	76	1	63-132	20
1,2-Dichloropropane	10	8.0	80	10	7.7	77	4	70-130	20
Dibromochloromethane	10	7.2	72	10	7.0	70	3	63-130	20
1,1,2-Trichloroethane	10	8.4	84	10	8.2	82	2	70-130	20
Tetrachloroethene	10	9.5	95	10	8.5	85	11	70-130	20
Chlorobenzene	10	9.6	96	10	8.7	87	10	75-130	20
Trichlorofluoromethane	10	10	100	10	9.9	99	1	62-150	20
1,2-Dichloroethane	10	9.5	95	10	9.1	91	4	70-130	20
1,1,1-Trichloroethane	10	8.5	85	10	8.2	82	4	67-130	20
Bromodichloromethane	10	7.6	76	10	7.7	77	1	67-130	20
trans-1,3-Dichloropropene	10	7.8	78	10	7.4	74	5	70-130	20
cis-1,3-Dichloropropene	10	7.7	77	10	7.5	75	3	70-130	20
1,1-Dichloropropene	10	7.9	79	10	7.2	72	9	70-130	20
Bromoform	10	6.9	69	10	6.7	67	3	54-136	20
1,1,2,2-Tetrachloroethane	10	8.9	89	10	9.0	90	1	67-130	20
Benzene	10	9.4	94	10	8.6	86	9	70-130	20
Toluene	10	9.8	98	10	8.9	89	10	70-130	20
Ethylbenzene	10	9.9	99	10	9.1	91	8	70-130	20
Chloromethane	10	9.4	94	10	9.0	90	4	64-130	20
Bromomethane	10	5.4	54	10	5.2	52	4	39-139	20
Vinyl chloride	10	10	100	10	9.6	96	4	55-140	20
Chloroethane	10	10	100	10	9.9	99	1	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011328-3	**Analysis Date** : 12/18/24 17:55	**File ID** : V30241218N02
LCSD Sample ID	: WG2011328-4	**Analysis Date** : 12/18/24 18:17	**File ID** : V30241218N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	9.7	97	3	70-130	20
Trichloroethene	10	8.2	82	10	7.6	76	8	70-130	20
1,2-Dichlorobenzene	10	9.3	93	10	8.7	87	7	70-130	20
1,3-Dichlorobenzene	10	9.4	94	10	8.7	87	8	70-130	20
1,4-Dichlorobenzene	10	9.4	94	10	8.7	87	8	70-130	20
Methyl tert butyl ether	10	6.5	65	10	6.6	66	2	63-130	20
p/m-Xylene	20	20	100	20	18	90	11	70-130	20
o-Xylene	20	20	100	20	18	90	11	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.7	97	3	70-130	20
Dibromomethane	10	9.6	96	10	9.7	97	1	70-130	20
1,2,3-Trichloropropane	10	9.2	92	10	9.2	92	0	64-130	20
Acrylonitrile	10	12	120	10	12	120	0	70-130	20
Styrene	20	20	100	20	18	90	11	70-130	20
Dichlorodifluoromethane	10	9.4	94	10	9.2	92	2	36-147	20
Acetone	10	11	110	10	12	120	9	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	10	100	10	11	110	10	63-138	20
Vinyl acetate	10	7.5	75	10	7.2	72	4	70-130	20
4-Methyl-2-pentanone	10	8.7	87	10	8.7	87	0	59-130	20
2-Hexanone	10	8.4	84	10	8.9	89	6	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
2,2-Dichloropropane	10	10	100	10	9.0	90	11	63-133	20
1,2-Dibromoethane	10	9.1	91	10	8.9	89	2	70-130	20
1,3-Dichloropropane	10	8.6	86	10	8.3	83	4	70-130	20
1,1,1,2-Tetrachloroethane	10	7.7	77	10	7.2	72	7	64-130	20
Bromobenzene	10	9.4	94	10	8.5	85	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011328-3	**Analysis Date** : 12/18/24 17:55	**File ID** : V30241218N02
LCSD Sample ID	: WG2011328-4	**Analysis Date** : 12/18/24 18:17	**File ID** : V30241218N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	10	100	10	9.2	92	8	53-136	20
sec-Butylbenzene	10	9.8	98	10	9.0	90	9	70-130	20
tert-Butylbenzene	10	9.5	95	10	8.7	87	9	70-130	20
o-Chlorotoluene	10	9.8	98	10	9.0	90	9	70-130	20
p-Chlorotoluene	10	9.8	98	10	8.9	89	10	70-130	20
1,2-Dibromo-3-chloropropane	10	9.0	90	10	9.4	94	4	41-144	20
Hexachlorobutadiene	10	8.6	86	10	7.6	76	12	63-130	20
Isopropylbenzene	10	9.6	96	10	8.7	87	10	70-130	20
p-Isopropyltoluene	10	9.6	96	10	8.8	88	9	70-130	20
Naphthalene	10	9.1	91	10	8.8	88	3	70-130	20
n-Propylbenzene	10	10	100	10	9.1	91	9	69-130	20
1,2,3-Trichlorobenzene	10	8.7	87	10	8.4	84	4	70-130	20
1,2,4-Trichlorobenzene	10	8.7	87	10	8.2	82	6	70-130	20
1,3,5-Trimethylbenzene	10	9.8	98	10	8.9	89	10	64-130	20
1,2,4-Trimethylbenzene	10	9.7	97	10	8.8	88	10	70-130	20
1,4-Dioxane	500	640	128	500	710	142	10	56-162	20
p-Diethylbenzene	10	9.3	93	10	8.5	85	9	70-130	20
p-Ethyltoluene	10	9.8	98	10	8.9	89	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.6	86	10	7.9	79	8	70-130	20
Ethyl ether	10	9.1	91	10	9.2	92	1	59-134	20
trans-1,4-Dichloro-2-butene	10	7.0	70	10	7.2	72	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011630-3 Analysis Date : 12/19/24 07:38	**File ID**	: V22241219A01
LCSD Sample ID	: WG2011630-4 Analysis Date : 12/19/24 08:03	**File ID**	: V22241219A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	10	100	10	70-130	20
1,1-Dichloroethane	10	11	110	10	9.9	99	11	70-130	20
Chloroform	10	11	110	10	9.7	97	13	70-130	20
Carbon tetrachloride	10	9.8	98	10	9.3	93	5	63-132	20
1,2-Dichloropropane	10	10	100	10	10	100	0	70-130	20
Dibromochloromethane	10	9.6	96	10	9.1	91	5	63-130	20
1,1,2-Trichloroethane	10	10	100	10	9.7	97	3	70-130	20
Tetrachloroethene	10	10	100	10	9.6	96	4	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	9.8	98	10	8.8	88	11	62-150	20
1,2-Dichloroethane	10	10	100	10	9.6	96	4	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.2	92	8	67-130	20
Bromodichloromethane	10	10	100	10	9.7	97	3	67-130	20
trans-1,3-Dichloropropene	10	9.8	98	10	9.2	92	6	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	9.8	98	2	70-130	20
1,1-Dichloropropene	10	9.6	96	10	9.1	91	5	70-130	20
Bromoform	10	9.2	92	10	9.1	91	1	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	9.9	99	1	67-130	20
Benzene	10	10	100	10	9.5	95	5	70-130	20
Toluene	10	10	100	10	9.9	99	1	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	12	120	10	10	100	18	64-130	20
Bromomethane	10	3.3	33 Q	10	2.7	27 Q	20	39-139	20
Vinyl chloride	10	9.0	90	10	7.6	76	17	55-140	20
Chloroethane	10	7.5	75	10	6.6	66	13	55-138	20
1,1-Dichloroethene	10	11	110	10	9.6	96	14	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011630-3	**Analysis Date** : 12/19/24 07:38	**File ID** : V22241219A01
LCSD Sample ID	: WG2011630-4	**Analysis Date** : 12/19/24 08:03	**File ID** : V22241219A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Trichloroethene	10	9.5	95	10	9.1	91	4	70-130	20
1,2-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
1,3-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
Methyl tert butyl ether	10	9.8	98	10	9.7	97	1	63-130	20
p/m-Xylene	20	21	105	20	19	95	10	70-130	20
o-Xylene	20	20	100	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Dibromomethane	10	11	110	10	10	100	10	70-130	20
1,2,3-Trichloropropane	10	9.5	95	10	9.6	96	1	64-130	20
Acrylonitrile	10	11	110	10	10	100	10	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	8.9	89	12	36-147	20
Acetone	10	11	110	10	10	100	10	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	12	120	10	12	120	0	63-138	20
Vinyl acetate	10	9.7	97	10	9.7	97	0	70-130	20
4-Methyl-2-pentanone	10	8.5	85	10	8.2	82	4	59-130	20
2-Hexanone	10	9.7	97	10	9.7	97	0	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
2,2-Dichloropropane	10	11	110	10	9.6	96	14	63-133	20
1,2-Dibromoethane	10	10	100	10	9.7	97	3	70-130	20
1,3-Dichloropropane	10	9.9	99	10	9.5	95	4	70-130	20
1,1,1,2-Tetrachloroethane	10	10	100	10	9.4	94	6	64-130	20
Bromobenzene	10	11	110	10	11	110	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011630-3	**Analysis Date** : 12/19/24 07:38	**File ID** : V22241219A01
LCSD Sample ID	: WG2011630-4	**Analysis Date** : 12/19/24 08:03	**File ID** : V22241219A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	11	110	10	10	100	10	53-136	20
sec-Butylbenzene	10	11	110	10	10	100	10	70-130	20
tert-Butylbenzene	10	11	110	10	10	100	10	70-130	20
o-Chlorotoluene	10	11	110	10	10	100	10	70-130	20
p-Chlorotoluene	10	11	110	10	10	100	10	70-130	20
1,2-Dibromo-3-chloropropane	10	9.8	98	10	10	100	2	41-144	20
Hexachlorobutadiene	10	12	120	10	11	110	9	63-130	20
Isopropylbenzene	10	11	110	10	10	100	10	70-130	20
p-Isopropyltoluene	10	11	110	10	10	100	10	70-130	20
Naphthalene	10	11	110	10	10	100	10	70-130	20
n-Propylbenzene	10	11	110	10	10	100	10	69-130	20
1,2,3-Trichlorobenzene	10	12	120	10	11	110	9	70-130	20
1,2,4-Trichlorobenzene	10	12	120	10	10	100	18	70-130	20
1,3,5-Trimethylbenzene	10	11	110	10	10	100	10	64-130	20
1,2,4-Trimethylbenzene	10	12	120	10	11	110	9	70-130	20
1,4-Dioxane	500	620	124	500	530	106	16	56-162	20
p-Diethylbenzene	10	11	110	10	10	100	10	70-130	20
p-Ethyltoluene	10	11	110	10	10	100	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	11	110	10	10	100	10	70-130	20
Ethyl ether	10	10	100	10	10	100	0	59-134	20
trans-1,4-Dichloro-2-butene	10	8.8	88	10	8.6	86	2	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Client Sample ID	: MW-E_20241212	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2473190-01	**Analysis Date**	: 12/18/24 22:08
Matrix Spike	: WG2011243-6	**MS Analysis Date**	: 12/19/24 05:29
Matrix Spike Dup	: WG2011243-7	**MSD Analysis Date**	: 12/19/24 05:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	10	100	10	8.4	84	17	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	8.4	84	17	70-130	20
Chloroform	ND	10	9.7	97	10	8.2	82	17	70-130	20
Carbon tetrachloride	ND	10	10	100	10	8.8	88	13	63-132	20
1,2-Dichloropropane	ND	10	9.7	97	10	8.0	80	19	70-130	20
Dibromochloromethane	ND	10	8.6	86	10	7.0	70	21 Q	63-130	20
1,1,2-Trichloroethane	ND	10	9.1	91	10	7.6	76	18	70-130	20
Tetrachloroethene	ND	10	10	100	10	8.5	85	16	70-130	20
Chlorobenzene	ND	10	10	100	10	8.4	84	17	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	8.7	87	23 Q	62-150	20
1,2-Dichloroethane	ND	10	9.8	98	10	7.8	78	23 Q	70-130	20
1,1,1-Trichloroethane	ND	10	10	100	10	8.6	86	15	67-130	20
Bromodichloromethane	ND	10	9.4	94	10	7.7	77	20	67-130	20
trans-1,3-Dichloropropene	ND	10	8.5	85	10	6.9	69 Q	21 Q	70-130	20
cis-1,3-Dichloropropene	ND	10	8.8	88	10	7.3	73	19	70-130	20
1,1-Dichloropropene	ND	10	10	100	10	8.6	86	15	70-130	20
Bromoform	ND	10	8.2	82	10	7.0	70	16	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94	10	7.8	78	19	67-130	20
Benzene	ND	10	9.8	98	10	8.7	87	12	70-130	20
Toluene	ND	10	10	100	10	8.4	84	17	70-130	20
Ethylbenzene	ND	10	10	100	10	8.3	83	19	70-130	20
Chloromethane	ND	10	9.9	99	10	8.4	84	16	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Client Sample ID	: MW-E_20241212	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2473190-01	**Analysis Date**	: 12/18/24 22:08
Matrix Spike	: WG2011243-6	**MS Analysis Date**	: 12/19/24 05:29
Matrix Spike Dup	: WG2011243-7	**MSD Analysis Date**	: 12/19/24 05:53

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	2.2J	22	Q	10	2.0J	20	Q	10	39-139	20
Vinyl chloride	ND	10	8.2	82		10	6.9	69		17	55-140	20
Chloroethane	ND	10	6.8	68		10	6.1	61		11	55-138	20
1,1-Dichloroethene	ND	10	11	110		10	9.0	90		20	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110		10	8.9	89		21	Q 70-130	20
Trichloroethene	ND	10	9.6	96		10	8.0	80		18	70-130	20
1,2-Dichlorobenzene	ND	10	10	100		10	8.2	82		20	70-130	20
1,3-Dichlorobenzene	ND	10	10	100		10	8.4	84		17	70-130	20
1,4-Dichlorobenzene	ND	10	9.9	99		10	8.2	82		19	70-130	20
Methyl tert butyl ether	ND	10	9.6	96		10	7.9	79		19	63-130	20
p/m-Xylene	ND	20	19	95		20	16	80		17	70-130	20
o-Xylene	ND	20	19	95		20	15	75		24	Q 70-130	20
cis-1,2-Dichloroethene	ND	10	10	100		10	8.7	87		14	70-130	20
Dibromomethane	ND	10	9.8	98		10	7.9	79		21	Q 70-130	20
1,2,3-Trichloropropane	ND	10	9.1	91		10	7.5	75		19	64-130	20
Acrylonitrile	ND	10	10	100		10	8.3	83		19	70-130	20
Styrene	ND	20	18	90		20	15	75		18	70-130	20
Dichlorodifluoromethane	ND	10	8.0	80		10	6.8	68		16	36-147	20
Acetone	ND	10	14	140		10	10	100		33	Q 58-148	20
Carbon disulfide	ND	10	11	110		10	9.0	90		20	51-130	20
2-Butanone	1.9J	10	12	120		10	10	100		18	63-138	20
Vinyl acetate	ND	10	7.8	78		10	6.4	64	Q	20	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Client Sample ID	: MW-E_20241212	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2473190-01	**Analysis Date**	: 12/18/24 22:08
Matrix Spike	: WG2011243-6	**MS Analysis Date**	: 12/19/24 05:29
Matrix Spike Dup	: WG2011243-7	**MSD Analysis Date**	: 12/19/24 05:53

		Matrix Spike Sample			Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD		Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	8.3	83	10	6.8	68	20		59-130	20
2-Hexanone	ND	10	9.3	93	10	7.8	78	18		57-130	20
Bromochloromethane	ND	10	10	100	10	8.5	85	16		70-130	20
2,2-Dichloropropane	ND	10	8.4	84	10	6.9	69	20		63-133	20
1,2-Dibromoethane	ND	10	9.2	92	10	7.6	76	19		70-130	20
1,3-Dichloropropane	ND	10	9.2	92	10	7.6	76	19		70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.0	90	10	7.3	73	21	Q	64-130	20
Bromobenzene	ND	10	10	100	10	8.4	84	17		70-130	20
n-Butylbenzene	ND	10	10	100	10	8.3	83	19		53-136	20
sec-Butylbenzene	ND	10	10	100	10	8.6	86	15		70-130	20
tert-Butylbenzene	ND	10	10	100	10	8.5	85	16		70-130	20
o-Chlorotoluene	ND	10	9.9	99	10	8.3	83	18		70-130	20
p-Chlorotoluene	ND	10	10	100	10	8.3	83	19		70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.1	91	10	7.6	76	18		41-144	20
Hexachlorobutadiene	ND	10	11	110	10	9.2	92	18		63-130	20
Isopropylbenzene	ND	10	10	100	10	8.7	87	14		70-130	20
p-Isopropyltoluene	ND	10	10	100	10	8.4	84	17		70-130	20
Naphthalene	ND	10	9.7	97	10	8.0	80	19		70-130	20
n-Propylbenzene	ND	10	10	100	10	8.4	84	17		69-130	20
1,2,3-Trichlorobenzene	ND	10	10	100	10	8.3	83	19		70-130	20
1,2,4-Trichlorobenzene	ND	10	9.9	99	10	8.2	82	19		70-130	20
1,3,5-Trimethylbenzene	ND	10	9.9	99	10	8.1	81	20		64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Client Sample ID	: MW-E_20241212	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2473190-01	**Analysis Date**	: 12/18/24 22:08
Matrix Spike	: WG2011243-6	**MS Analysis Date**	: 12/19/24 05:29
Matrix Spike Dup	: WG2011243-7	**MSD Analysis Date**	: 12/19/24 05:53

		Matrix Spike Sample			Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	12	120	10	12	120		0	70-130	20
1,4-Dioxane	ND	500	520	104	500	450	90		14	56-162	20
p-Diethylbenzene	ND	10	9.8	98	10	8.1	81		19	70-130	20
p-Ethyltoluene	ND	10	10	100	10	8.3	83		19	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	9.7	97	10	7.9	79		20	70-130	20
Ethyl ether	ND	10	10	100	10	8.4	84		17	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	7.5	75	10	6.0	60	Q	22 Q	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2011328-5	**Lab File ID**	: V30241218N06
Instrument ID	: VOA130		
Matrix	: WATER	**Analysis Date**	: 12/18/24 19:22

Client Sample No.	Lab Sample ID	Analysis Date
WG2011328-3LCS	WG2011328-3	12/18/24 17:55
WG2011328-4LCSD	WG2011328-4	12/18/24 18:17
TRIP BLANK_20241212	L2473190-07	12/18/24 20:49
FIELD BLANK_20241212	L2473190-06	12/18/24 21:11
MW-X_20241212	L2473190-05	12/18/24 21:33
MW-B_20241212	L2473190-04	12/18/24 21:54
MW-C_20241212	L2473190-03	12/18/24 22:16
MW-D_20241212	L2473190-02	12/18/24 22:38

Method Blank Summary
Form 4
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2011243-5	**Lab File ID**	: V22241218N05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 12/18/24 20:54

Client Sample No.	Lab Sample ID	Analysis Date
WG2011243-3LCS	WG2011243-3	12/18/24 19:16
WG2011243-4LCSD	WG2011243-4	12/18/24 19:41
MW-E_20241212	L2473190-01	12/18/24 22:08
MW-E_20241212MS	WG2011243-6	12/19/24 05:29
MW-E_20241212MSD	WG2011243-7	12/19/24 05:53

Method Blank Summary
Form 4
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2011630-5	**Lab File ID**	: V22241219A05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 12/19/24 09:16

Client Sample No.	Lab Sample ID	Analysis Date
WG2011630-3LCS	WG2011630-3	12/19/24 07:38
WG2011630-4LCSD	WG2011630-4	12/19/24 08:03
MW-A_20241213	L2473190-08	12/19/24 11:18
MW-F_20241213	L2473190-09	12/19/24 11:43

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA122	**Analysis Date**	: 11/09/24 06:36
Tune Standard	: WG1995828-1	**Tune File ID**	: V22241109ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 80.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.9)1
174	Greater than 50.0% of mass 95	84.7
175	5.0 - 9.0% of mass 174	6.2 (7.3)1
176	Greater than 95.0% but less than 101% of mass	82.4 (97.3)1
177	5.0 - 9.0% of mass 176	5.5 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1898597-1	V22241109A03	11/09/24 07:44
STD0.5PPB	R1898597-2	V22241109A05	11/09/24 08:33
STD2PPB	R1898597-3	V22241109A07	11/09/24 09:22
STD10PPB	R1898597-4	V22241109A09	11/09/24 10:11
STD30PPB	R1898597-5	V22241109A10	11/09/24 10:36
STD80PPB	R1898597-6	V22241109A11	11/09/24 11:01
STD120PPB	R1898597-7	V22241109A12	11/09/24 11:25
STD200PPB	R1898597-8	V22241109A13	11/09/24 11:49
Correlation Data Summary	R1898597-9	V22241109A18	11/09/24 13:52
ICV Quant Report	R1898597-9	V22241109A18	11/09/24 13:52

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA122	**Analysis Date**	: 12/18/24 18:58
Tune Standard	: WG2011243-1	**Tune File ID**	: V22241218NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.6
75	30.0 - 80.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1)1
174	Greater than 50.0% of mass 95	87.3
175	5.0 - 9.0% of mass 174	6.6 (7.5)1
176	Greater than 95.0% but less than 101% of mass	85.1 (97.5)1
177	5.0 - 9.0% of mass 176	5.6 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011243-2CCAL	WG2011243-2	V22241218N01	12/18/24 19:16
WG2011243-3LCS	WG2011243-3	V22241218N01	12/18/24 19:16
WG2011243-4LCSD	WG2011243-4	V22241218N02	12/18/24 19:41
WG2011243-5BLANK	WG2011243-5	V22241218N05	12/18/24 20:54
MW-E_20241212	L2473190-01	V22241218N08	12/18/24 22:08
WG2011243-6MS	WG2011243-6	V22241218N26	12/19/24 05:29
WG2011243-7MSD	WG2011243-7	V22241218N27	12/19/24 05:53

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA122	**Analysis Date**	: 12/19/24 07:25
Tune Standard	: WG2011630-1	**Tune File ID**	: V22241219ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 80.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	5.9 (7.1)1
176	Greater than 95.0% but less than 101% of mass	79.4 (95.7)1
177	5.0 - 9.0% of mass 176	5.2 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011630-2CCAL	WG2011630-2	V22241219A01	12/19/24 07:38
WG2011630-3LCS	WG2011630-3	V22241219A01	12/19/24 07:38
WG2011630-4LCSD	WG2011630-4	V22241219A02	12/19/24 08:03
WG2011630-5BLANK	WG2011630-5	V22241219A05	12/19/24 09:16
MW-A_20241213	L2473190-08	V22241219A10	12/19/24 11:18
MW-F_20241213	L2473190-09	V22241219A11	12/19/24 11:43

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA130	**Analysis Date**	: 11/12/24 14:39
Tune Standard	: WG1996978-1	**Tune File ID**	: V30241112NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 80.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	78.3
175	5.0 - 9.0% of mass 174	6 (7.6)1
176	Greater than 95.0% but less than 101% of mass	76.6 (97.9)1
177	5.0 - 9.0% of mass 176	5 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1899692-1	V30241112N03	11/12/24 15:35
STD0.5PPB	R1899692-2	V30241112N05	11/12/24 16:19
STD2PPB	R1899692-3	V30241112N06	11/12/24 16:41
STD10PPB	R1899692-4	V30241112N08	11/12/24 17:24
STD30PPB	R1899692-5	V30241112N09	11/12/24 17:46
STD80PPB	R1899692-6	V30241112N10	11/12/24 18:08
STD120PPB	R1899692-7	V30241112N11	11/12/24 18:30
STD200PPB	R1899692-8	V30241112N12	11/12/24 18:51
Correlation Data Summary	R1899692-9	V30241112N17	11/12/24 20:40
ICV Quant Report	R1899692-9	V30241112N17	11/12/24 20:40

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA130	**Analysis Date**	: 12/18/24 17:16
Tune Standard	: WG2011328-1	**Tune File ID**	: V30241218NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 80.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6 (7.9)1
176	Greater than 95.0% but less than 101% of mass	73.9 (96.7)1
177	5.0 - 9.0% of mass 176	5.1 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011328-2CCAL	WG2011328-2	V30241218N02	12/18/24 17:55
WG2011328-3LCS	WG2011328-3	V30241218N02	12/18/24 17:55
WG2011328-4LCSD	WG2011328-4	V30241218N03	12/18/24 18:17
WG2011328-5BLANK	WG2011328-5	V30241218N06	12/18/24 19:22
TRIP BLANK_20241212	L2473190-07	V30241218N10	12/18/24 20:49
FIELD BLANK_20241212	L2473190-06	V30241218N11	12/18/24 21:11
MW-X_20241212	L2473190-05	V30241218N12	12/18/24 21:33
MW-B_20241212	L2473190-04	V30241218N13	12/18/24 21:54
MW-C_20241212	L2473190-03	V30241218N14	12/18/24 22:16
MW-D_20241212	L2473190-02	V30241218N15	12/18/24 22:38

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA130	**Analysis Date**	: 12/18/24 17:55:00
Sample No	: WG2011328-2	**Lab File ID**	: V30241218N02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2011328-2	523400	6.09	431183	9.63	274323	12.32
Upper Limit	1046800	6.59	862366	10.13	548646	12.82
Lower Limit	261700	5.59	215592	9.13	137162	11.82
Sample ID						
WG2011328-3 LCS	523400	6.09	431183	9.63	274323	12.32
WG2011328-4 LCSD	513179	6.09	432996	9.63	276738	12.32
WG2011328-5 BLANK	421015	6.09	381224	9.63	244254	12.32
TRIP BLANK_20241212	367238	6.09	347339	9.63	220757	12.32
FIELD BLANK_20241212	375025	6.09	342564	9.63	214218	12.32
MW-X_20241212	414194	6.09	354248	9.63	229874	12.32
MW-B_20241212	364366	6.09	335623	9.63	216473	12.32
MW-C_20241212	364977	6.09	341701	9.63	212740	12.32
MW-D_20241212	397476	6.09	344427	9.63	228908	12.32

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA122	**Analysis Date**	: 12/18/24 19:16:00
Sample No	: WG2011243-2	**Lab File ID**	: V22241218N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2011243-2	358970	5.94	300527	9.48	166973	12.20
Upper Limit	717940	6.44	601054	9.98	333946	12.70
Lower Limit	179485	5.44	150264	8.98	83487	11.70
Sample ID						
WG2011243-3 LCS	358970	5.94	300527	9.48	166973	12.20
WG2011243-4 LCSD	394402	5.94	324792	9.48	175941	12.20
WG2011243-5 BLANK	375697	5.94	309810	9.48	158401	12.20
MW-E_20241212	366695	5.94	305181	9.48	160905	12.20
MW-E_20241212 MS	534954	5.94	431514	9.48	225447	12.20
MW-E_20241212 MSD	533717	5.94	428125	9.48	224994	12.20

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: VOA122	**Analysis Date**	: 12/19/24 07:38:00
Sample No	: WG2011630-2	**Lab File ID**	: V22241219A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2011630-2	506888	5.94	423029	9.48	228806	12.20
Upper Limit	1013776	6.44	846058	9.98	457612	12.70
Lower Limit	253444	5.44	211515	8.98	114403	11.70
Sample ID						
WG2011630-3 LCS	506888	5.94	423029	9.48	228806	12.20
WG2011630-4 LCSD	542860	5.94	437191	9.48	228259	12.20
WG2011630-5 BLANK	490622	5.94	408489	9.48	212486	12.20
MW-A_20241213	486279	5.94	407985	9.48	210954	12.20
MW-F_20241213	490175	5.94	398474	9.48	209512	12.20

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	1.9	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-01	**Date Collected**	: 12/12/24 08:43
Client ID	: MW-E_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 22:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V22241218N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	1.6	2.5	0.70	J
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.50	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.36	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	17	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	28	2.5	0.70	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-02	**Date Collected**	: 12/12/24 10:27
Client ID	: MW-D_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 22:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30241218N15	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-03	**Date Collected**	: 12/12/24 11:42
Client ID	: MW-C_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 22:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30241218N14	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	4.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	1.5	2.5	0.70	J
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.50	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.38	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	16	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	27	2.5	0.70	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-06	**Date Collected**	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 21:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30241218N11	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-07	**Date Collected**	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 20:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30241218N10	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	2.1	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-08	**Date Collected**	: 12/13/24 07:57
Client ID	: MW-A_20241213	**Date Received**	: 12/13/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/19/24 11:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V22241219A10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.38	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	2.0	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011243-5	Date Collected	: NA
Client ID	: WG2011243-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 20:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V22241218N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011243-5	Date Collected	: NA
Client ID	: WG2011243-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 20:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V22241218N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	1.9	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011243-5	Date Collected	: NA
Client ID	: WG2011243-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 20:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V22241218N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011243-5	Date Collected	: NA
Client ID	: WG2011243-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 20:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V22241218N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011328-5	Date Collected	: NA
Client ID	: WG2011328-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30241218N06	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011328-5	Date Collected	: NA
Client ID	: WG2011328-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30241218N06	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	2.2	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011328-5	Date Collected	: NA
Client ID	: WG2011328-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30241218N06	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011328-5	Date Collected	: NA
Client ID	: WG2011328-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30241218N06	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011630-5	Date Collected	: NA
Client ID	: WG2011630-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 09:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22241219A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011630-5	Date Collected	: NA
Client ID	: WG2011630-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 09:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22241219A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	1.9	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011630-5	Date Collected	: NA
Client ID	: WG2011630-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 09:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22241219A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011630-5	Date Collected	: NA
Client ID	: WG2011630-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 09:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22241219A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N10.D
Acq On : 18 Dec 2024 08:49 pm
Operator : VOA130:MJV
Sample : L2473190-07,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 10:31:08 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	367238	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 70.16%			
63) Chlorobenzene-d5	9.634	117	347339	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 80.55%			
84) 1,4-Dichlorobenzene-d4	12.323	152	220757	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 80.47%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	152960	12.117	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.17%			
47) 1,2-Dichloroethane-d4	5.796	65	126011	9.969	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.69%			
64) Toluene-d8	7.783	98	431120	9.253	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.53%			
88) 4-Bromofluorobenzene	11.117	95	187247	9.821	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.21%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.863	50	501		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.262	94	226		N.D.	
6) Chloroethane	2.314	64	50		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
8) Ethyl ether	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	3.048	76	2027	0.088	ug/L #	81
15) Methylene chloride	0.000		0		N.D.	
17) Acetone	3.599	43	2155	Below Cal	#	67
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
21) Methyl tert-butyl ether	0.000		0		N.D.	
25) 1,1-Dichloroethane	0.000		0		N.D.	
27) Acrylonitrile	0.000		0		N.D.	
29) Vinyl acetate	0.000		0		N.D.	
30) cis-1,2-Dichloroethene	0.000		0		N.D.	
31) 2,2-Dichloropropane	0.000		0		N.D.	
33) Bromochloromethane	0.000		0		N.D.	
35) Chloroform	0.000		0		N.D.	

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N10.D
Acq On : 18 Dec 2024 08:49 pm
Operator : VOA130:MJV
Sample : L2473190-07,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 10:31:08 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.			
40) 1,1,1-Trichloroethane	0.000		0	N.D.			
42) 2-Butanone	5.392	43	2300	1.333	ug/L	#	76
43) 1,1-Dichloropropene	0.000		0	N.D.			
45) Benzene	5.675	78	52	N.D.			
48) 1,2-Dichloroethane	0.000		0	N.D.			
52) Trichloroethene	6.199	95	103	N.D.			
54) Dibromomethane	0.000		0	N.D.			
55) 1,2-Dichloropropane	0.000		0	N.D.			
58) Bromodichloromethane	0.000		0	N.D.			
61) 1,4-Dioxane	0.000		0	N.D.			
62) cis-1,3-Dichloropropene	0.000		0	N.D.			
65) Toluene	7.840	92	344	N.D.			
66) 4-Methyl-2-pentanone	0.000		0	N.D.			
67) Tetrachloroethene	0.000		0	N.D.			
69) trans-1,3-Dichloropropene	0.000		0	N.D.			
72) 1,1,2-Trichloroethane	0.000		0	N.D.			
73) Chlorodibromomethane	0.000		0	N.D.			
74) 1,3-Dichloropropane	0.000		0	N.D.			
75) 1,2-Dibromoethane	0.000		0	N.D.			
77) 2-Hexanone	0.000		0	N.D.			
78) Chlorobenzene	9.655	112	51	N.D.			
79) Ethylbenzene	9.712	91	53	N.D.			
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
81) p/m Xylene	0.000		0	N.D.			
82) o Xylene	0.000		0	N.D.			
83) Styrene	0.000		0	N.D.			
85) Bromoform	0.000		0	N.D.			
87) Isopropylbenzene	0.000		0	N.D.			
89) Bromobenzene	0.000		0	N.D.			
90) n-Propylbenzene	11.285	91	140	N.D.			
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d		
93) 4-Ethyltoluene	0.000		0	N.D.			
94) 2-Chlorotoluene	11.285	91	140	N.D.			
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
96) 1,2,3-Trichloropropane	11.631	75	99	N.D.			
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
98) 4-Chlorotoluene	0.000		0	N.D.			
99) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N10.D
Acq On : 18 Dec 2024 08:49 pm
Operator : VOA130:MJV
Sample : L2473190-07,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 10:31:08 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.328	146	113		N.D.	
106) 1,4-Dichlorobenzene	12.344	146	102		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	14.473	128	659		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

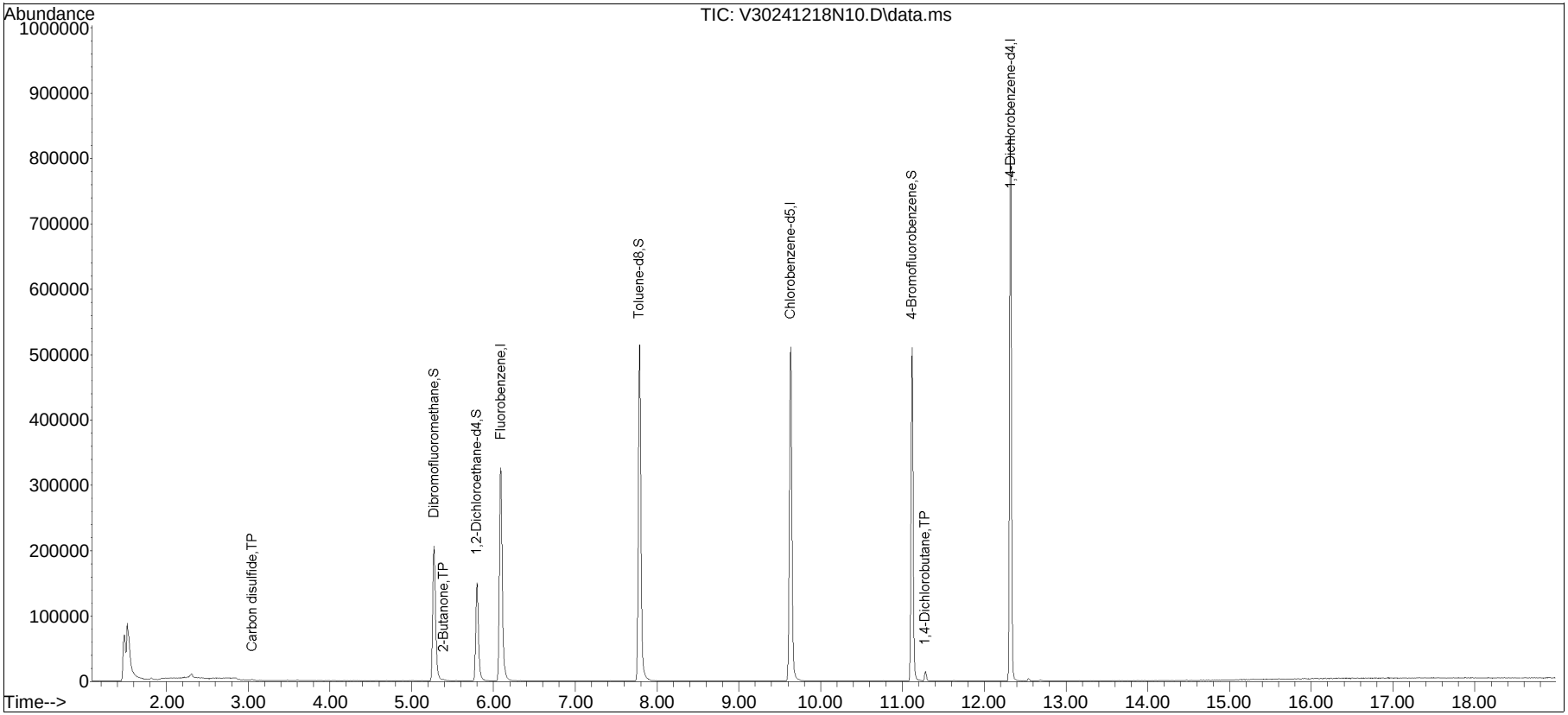
(#) = qualifier out of range (m) = manual integration (+) = signals summed

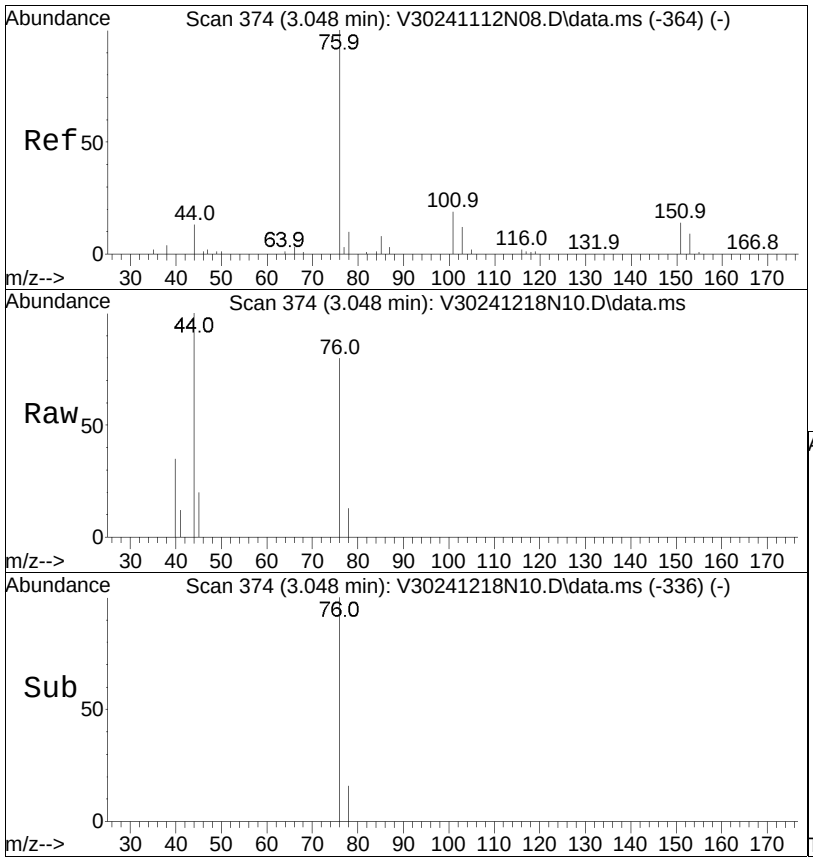
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N10.D
Acq On : 18 Dec 2024 08:49 pm
Operator : VOA130:MJV
Sample : L2473190-07,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 10:31:08 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N02.D•

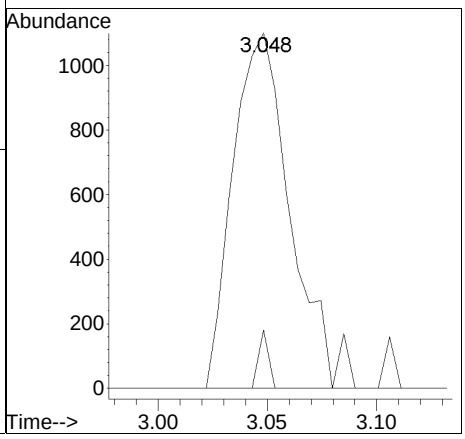


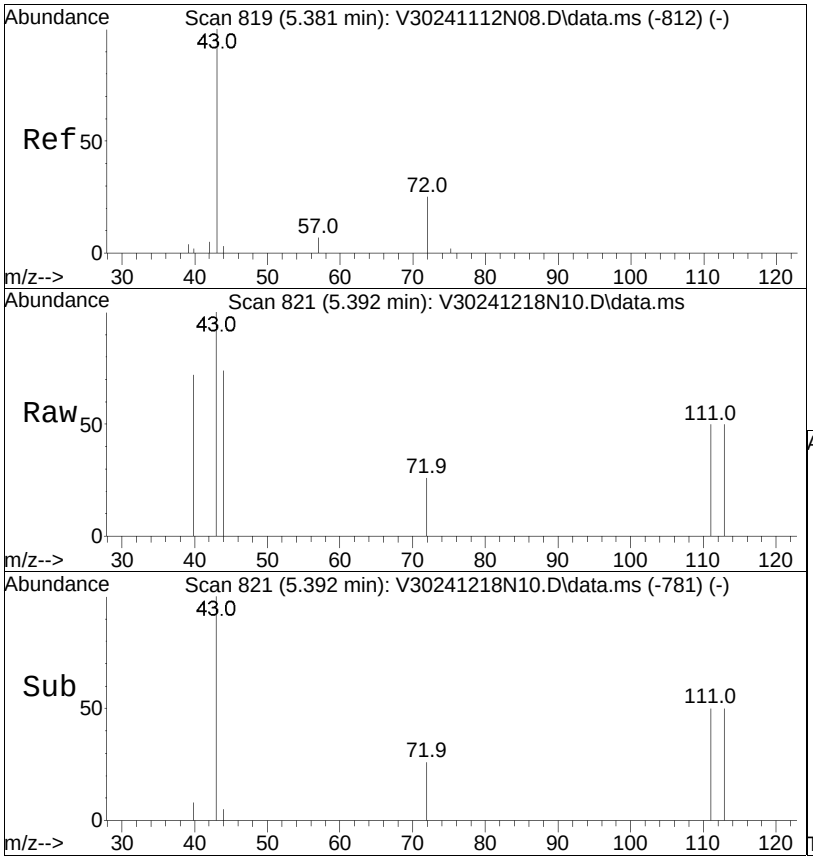


#11
Carbon disulfide
Concen: 0.09 ug/L
RT: 3.048 min Scan# 374
Delta R.T. 0.000 min
Lab File: V30241218N10.D
Acq: 18 Dec 2024 08:49 pm

Tgt Ion: 76 Resp: 2027

Ion	Ratio	Lower	Upper
76	100		
78	2.8	6.4	13.4#

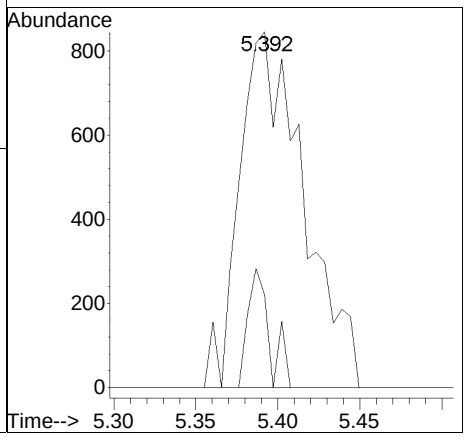




#42
2-Butanone
Concen: 1.33 ug/L
RT: 5.392 min Scan# 821
Delta R.T. 0.011 min
Lab File: V30241218N10.D
Acq: 18 Dec 2024 08:49 pm

Tgt Ion: 43 Resp: 2300

Ion	Ratio	Lower	Upper
43	100		
72	11.4	18.2	27.4#



Manual Integration Report

Data Path	: K:\VOA130\2024\241218N\	QMethod	: V130_241112N_8260D.m
Data File	: V30241218N10.D	Operator	: VOA130:MJV
Date Inj'd	: 12/18/2024 8:49 pm	Instrument	: VOA130
Sample	: L2473190-07,31,10,10,,A	Quant Date	: 12/19/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N11.D
Acq On : 18 Dec 2024 09:11 pm
Operator : VOA130:MJV
Sample : L2473190-06,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 10:31:26 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	375025	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 71.65%			
63) Chlorobenzene-d5	9.633	117	342564	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 79.45%			
84) 1,4-Dichlorobenzene-d4	12.323	152	214218	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 78.09%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	157423	12.212	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 122.12%			
47) 1,2-Dichloroethane-d4	5.795	65	133403	10.334	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.34%			
64) Toluene-d8	7.788	98	429887	9.355	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.55%			
88) 4-Bromofluorobenzene	11.117	95	182371	9.858	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.863	50	359		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.256	94	250		N.D.	
6) Chloroethane	2.277	64	49		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
8) Ethyl ether	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	0.000		0		N.D. d	
15) Methylene chloride	0.000		0		N.D.	
17) Acetone	3.599	43	2443		N.D.	
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
21) Methyl tert-butyl ether	0.000		0		N.D.	
25) 1,1-Dichloroethane	0.000		0		N.D.	
27) Acrylonitrile	0.000		0		N.D.	
29) Vinyl acetate	0.000		0		N.D.	
30) cis-1,2-Dichloroethene	0.000		0		N.D.	
31) 2,2-Dichloropropane	0.000		0		N.D.	
33) Bromochloromethane	0.000		0		N.D.	
35) Chloroform	0.000		0		N.D.	

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N11.D
Acq On : 18 Dec 2024 09:11 pm
Operator : VOA130:MJV
Sample : L2473190-06,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 10:31:26 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.			
40) 1,1,1-Trichloroethane	0.000		0	N.D.			
42) 2-Butanone	5.392	43	2854	1.620	ug/L	#	85
43) 1,1-Dichloropropene	0.000		0	N.D.			
45) Benzene	0.000		0	N.D.			
48) 1,2-Dichloroethane	0.000		0	N.D.			
52) Trichloroethene	0.000		0	N.D.			
54) Dibromomethane	0.000		0	N.D.			
55) 1,2-Dichloropropane	0.000		0	N.D.			
58) Bromodichloromethane	0.000		0	N.D.			
61) 1,4-Dioxane	0.000		0	N.D.			
62) cis-1,3-Dichloropropene	0.000		0	N.D.			
65) Toluene	7.846	92	185	N.D.			
66) 4-Methyl-2-pentanone	0.000		0	N.D.			
67) Tetrachloroethene	0.000		0	N.D.			
69) trans-1,3-Dichloropropene	0.000		0	N.D.			
72) 1,1,2-Trichloroethane	0.000		0	N.D.			
73) Chlorodibromomethane	0.000		0	N.D.			
74) 1,3-Dichloropropane	0.000		0	N.D.			
75) 1,2-Dibromoethane	0.000		0	N.D.			
77) 2-Hexanone	0.000		0	N.D.			
78) Chlorobenzene	9.649	112	54	N.D.			
79) Ethylbenzene	9.707	91	54	N.D.			
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
81) p/m Xylene	0.000		0	N.D.			
82) o Xylene	0.000		0	N.D.			
83) Styrene	0.000		0	N.D.			
85) Bromoform	0.000		0	N.D.			
87) Isopropylbenzene	0.000		0	N.D.			
89) Bromobenzene	0.000		0	N.D.			
90) n-Propylbenzene	11.280	91	54	N.D.			
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d		
93) 4-Ethyltoluene	0.000		0	N.D.			
94) 2-Chlorotoluene	11.301	91	108	N.D.			
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
96) 1,2,3-Trichloropropane	0.000		0	N.D.			
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
98) 4-Chlorotoluene	0.000		0	N.D.			
99) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N11.D
Acq On : 18 Dec 2024 09:11 pm
Operator : VOA130:MJV
Sample : L2473190-06,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 10:31:26 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.339	146	224		N.D.	
106) 1,4-Dichlorobenzene	12.339	146	224		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	14.478	128	608		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

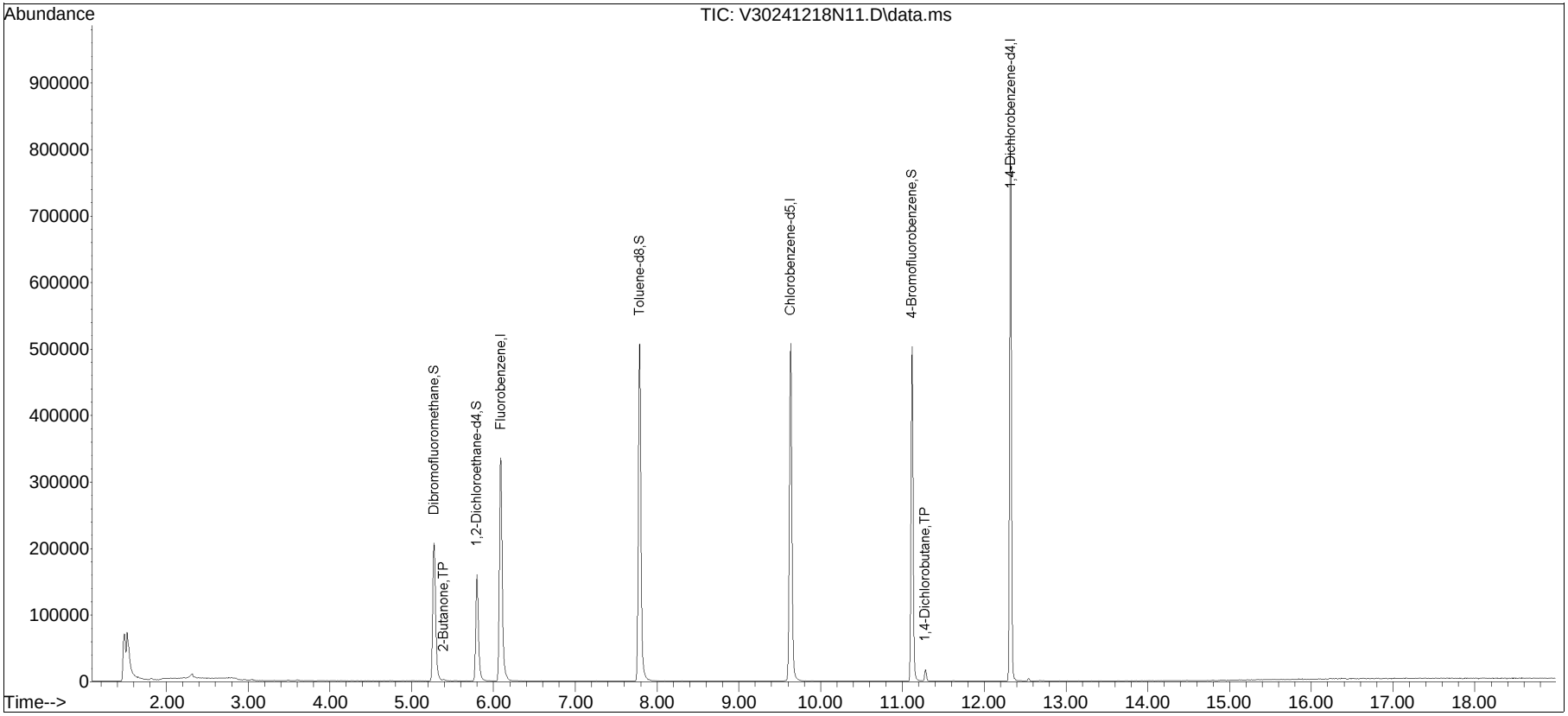
(#) = qualifier out of range (m) = manual integration (+) = signals summed

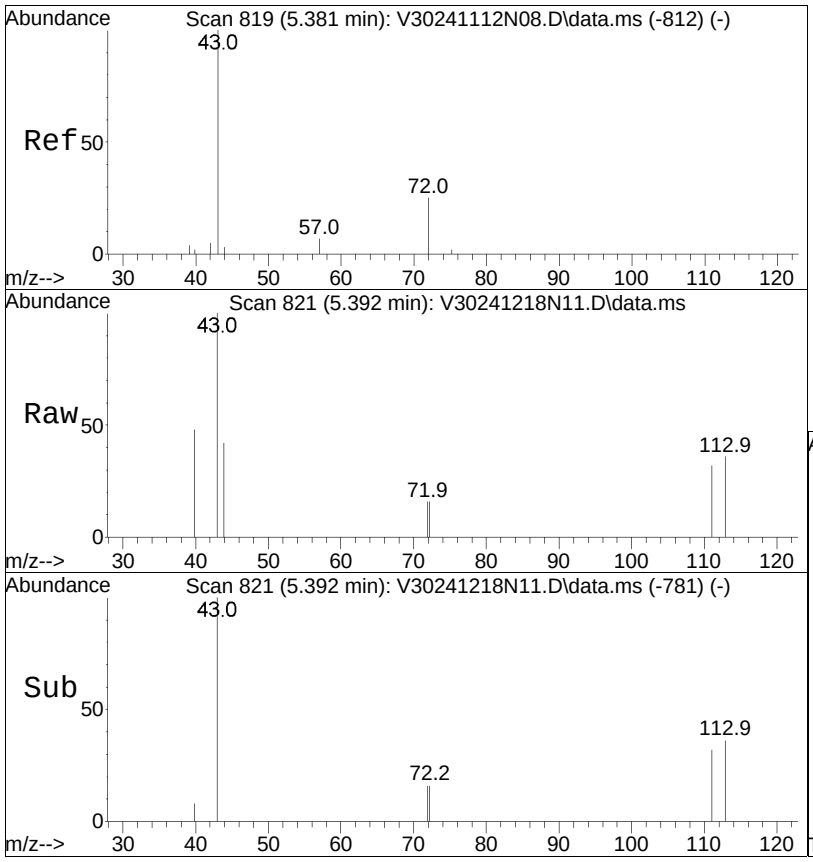
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N11.D
Acq On : 18 Dec 2024 09:11 pm
Operator : VOA130:MJV
Sample : L2473190-06,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 10:31:26 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N02.D•

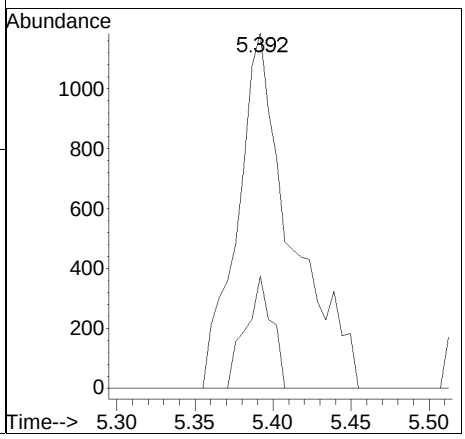




#42
2-Butanone
Concen: 1.62 ug/L
RT: 5.392 min Scan# 821
Delta R.T. 0.011 min
Lab File: V30241218N11.D
Acq: 18 Dec 2024 09:11 pm

Tgt Ion: 43 Resp: 2854

Ion	Ratio	Lower	Upper
43	100		
72	15.4	18.2	27.4#



Manual Integration Report

Data Path	: K:\VOA130\2024\241218N\	QMethod	: V130_241112N_8260D.m
Data File	: V30241218N11.D	Operator	: VOA130:MJV
Date Inj'd	: 12/18/2024 9:11 pm	Instrument	: VOA130
Sample	: L2473190-06,31,10,10,,A	Quant Date	: 12/19/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N12.D
Acq On : 18 Dec 2024 09:33 pm
Operator : VOA130:MJV
Sample : L2473190-05,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:32:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	414194	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 79.14%			
63) Chlorobenzene-d5	9.633	117	354248	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 82.16%			
84) 1,4-Dichlorobenzene-d4	12.323	152	229874	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 83.80%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	155434	10.917	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.17%			
47) 1,2-Dichloroethane-d4	5.801	65	134743	9.451	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.51%			
64) Toluene-d8	7.788	98	465492	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%			
88) 4-Bromofluorobenzene	11.117	95	192315	9.687	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	413	N.D.		
4) Vinyl chloride	1.936	62	54	N.D.		
5) Bromomethane	2.288	94	50	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	2.518	101	20767	1.546	ug/L	95
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.043	76	7065	0.272	ug/L #	86
15) Methylene chloride	3.578	84	630	N.D.		
17) Acetone	3.604	43	23876	15.515	ug/L	94
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	4.380	53	103	N.D.		
29) Vinyl acetate	4.542	43	367	N.D.		
30) cis-1,2-Dichloroethene	4.831	96	981	0.093	ug/L #	80
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.093	83	720	N.D.		

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N12.D
Acq On : 18 Dec 2024 09:33 pm
Operator : VOA130:MJV
Sample : L2473190-05,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:32:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.			
40) 1,1,1-Trichloroethane	5.439	97	223	N.D.			
42) 2-Butanone	5.392	43	3604	1.852	ug/L		99
43) 1,1-Dichloropropene	0.000		0	N.D.			
45) Benzene	5.670	78	15501	0.502	ug/L		97
48) 1,2-Dichloroethane	5.864	62	632	N.D.			
52) Trichloroethene	6.272	95	2838	0.377	ug/L	#	1
54) Dibromomethane	6.771	93	259	N.D.			
55) 1,2-Dichloropropane	6.849	63	50	N.D.			
58) Bromodichloromethane	6.786	83	49	N.D.			
61) 1,4-Dioxane	0.000		0	N.D.			
62) cis-1,3-Dichloropropene	0.000		0	N.D.			
65) Toluene	7.845	92	6420	0.297	ug/L		88
66) 4-Methyl-2-pentanone	0.000		0	N.D.			
67) Tetrachloroethene	0.000		0	N.D.			
69) trans-1,3-Dichloropropene	0.000		0	N.D.			
72) 1,1,2-Trichloroethane	0.000		0	N.D.	d		
73) Chlorodibromomethane	0.000		0	N.D.			
74) 1,3-Dichloropropane	0.000		0	N.D.			
75) 1,2-Dibromoethane	9.146	107	350	N.D.			
77) 2-Hexanone	0.000		0	N.D.	d		
78) Chlorobenzene	9.654	112	1890	0.082	ug/L	#	1
79) Ethylbenzene	9.701	91	11779	0.277	ug/L		94
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
81) p/m Xylene	9.885	106	6861	0.401	ug/L		95
82) o Xylene	10.420	106	4279	0.260	ug/L		96
83) Styrene	10.493	104	2747	0.101	ug/L		95
85) Bromoform	0.000		0	N.D.			
87) Isopropylbenzene	10.803	105	29742	0.694	ug/L		97
89) Bromobenzene	0.000		0	N.D.			
90) n-Propylbenzene	11.280	91	10527	0.195	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.332	83	48	N.D.			
93) 4-Ethyltoluene	11.395	105	7857	0.176	ug/L		99
94) 2-Chlorotoluene	11.395	91	1794	N.D.			
95) 1,3,5-Trimethylbenzene	11.500	105	5931	0.151	ug/L		97
96) 1,2,3-Trichloropropane	11.615	75	71	N.D.			
97) trans-1,4-Dichloro-2-b...	11.516	53	49	N.D.			
98) 4-Chlorotoluene	11.620	91	205	N.D.			
99) tert-Butylbenzene	11.835	119	4399	0.138	ug/L		92

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N12.D
Acq On : 18 Dec 2024 09:33 pm
Operator : VOA130:MJV
Sample : L2473190-05,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:32:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.914	105	9131	0.240	ug/L	98
103) sec-Butylbenzene	12.024	105	11816	0.256	ug/L #	72
104) p-Isopropyltoluene	12.176	119	7174	0.180	ug/L	94
105) 1,3-Dichlorobenzene	12.250	146	61	N.D.		
106) 1,4-Dichlorobenzene	12.334	146	400	N.D.		
107) p-Diethylbenzene	12.554	119	1690M6	0.072	ug/L	
108) n-Butylbenzene	12.606	91	1939	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2,4,5-Tetramethylben...	13.345	119	16686	0.505	ug/L	95
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	14.169	180	47	N.D.		
115) Naphthalene	14.457	128	757521	27.422	ug/L	100
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

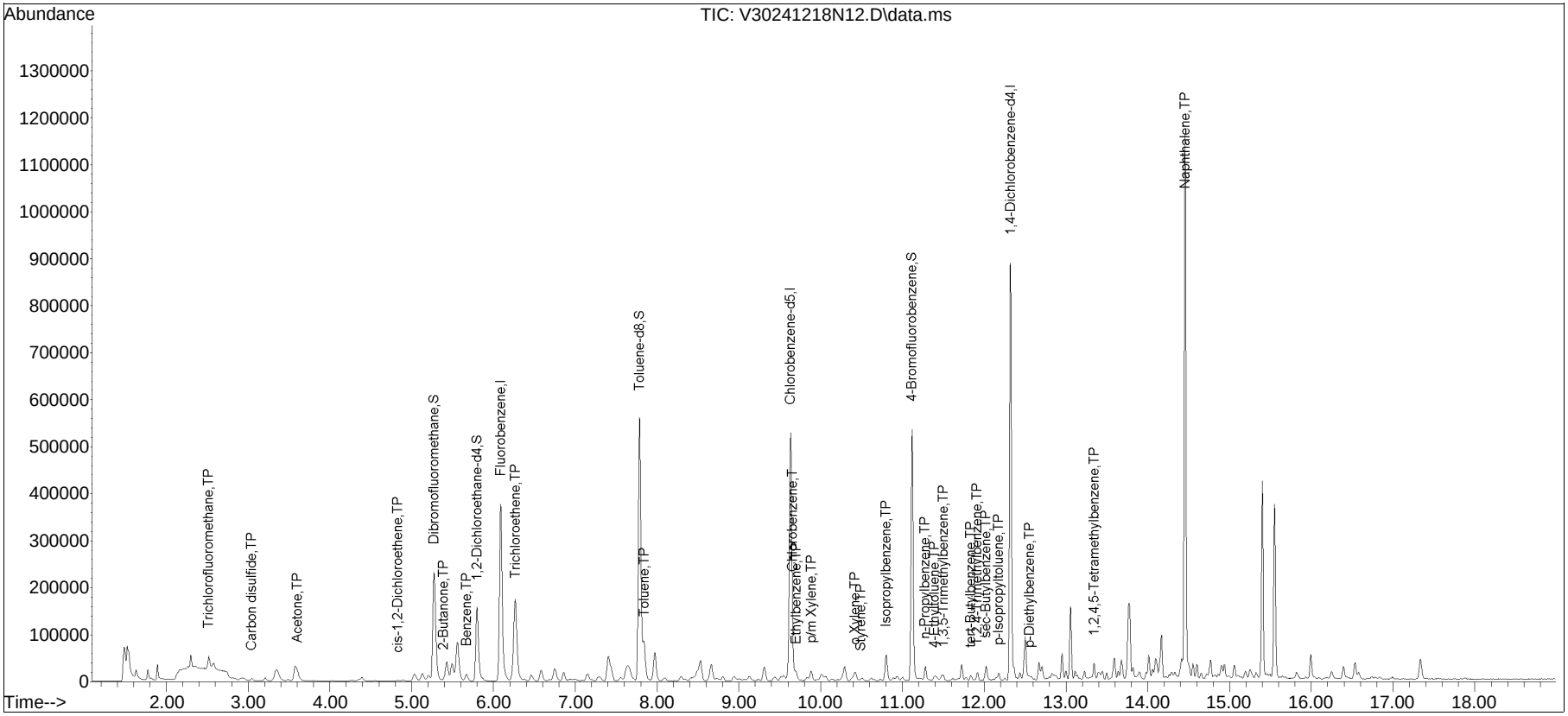
(#) = qualifier out of range (m) = manual integration (+) = signals summed

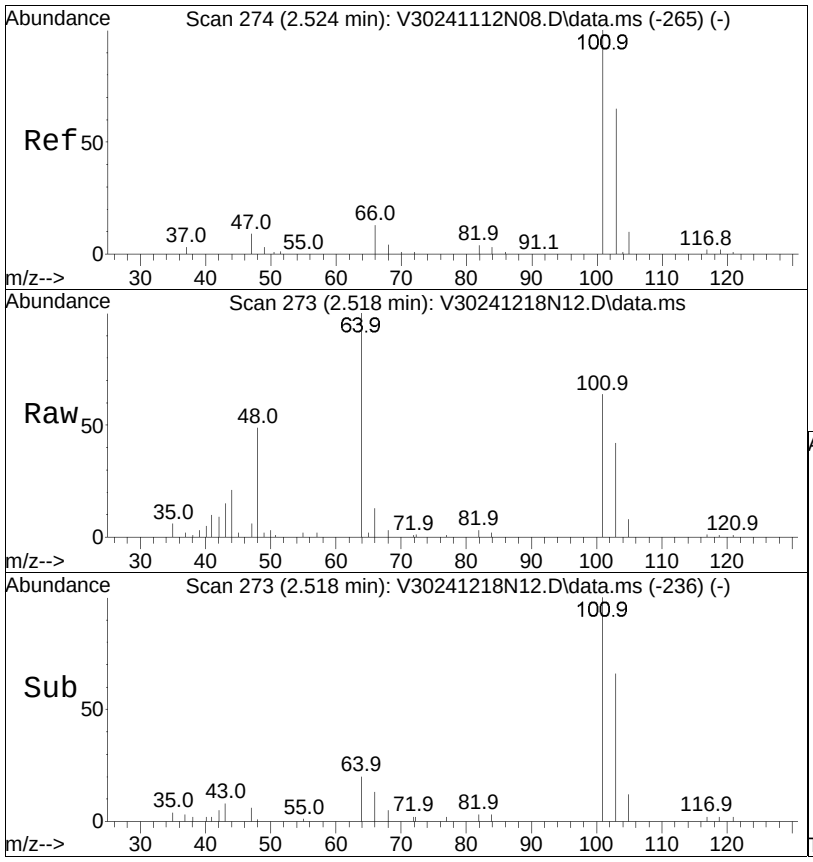
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N12.D
Acq On : 18 Dec 2024 09:33 pm
Operator : VOA130:MJV
Sample : L2473190-05,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:32:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N02.D•

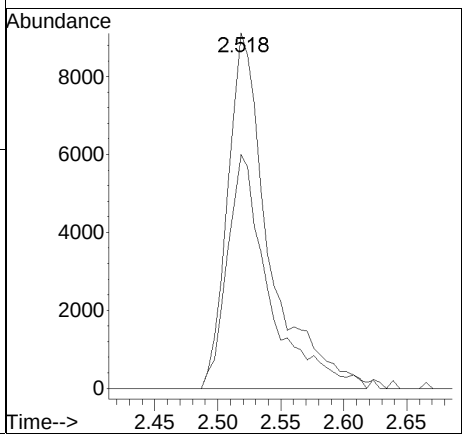


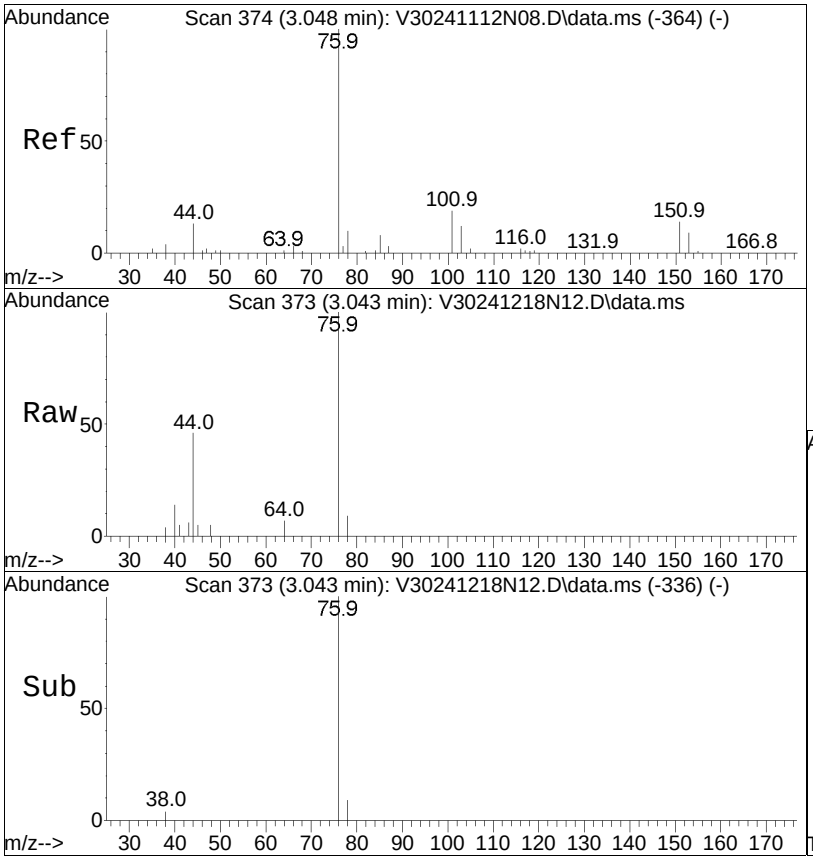


#7
Trichlorofluoromethane
Concen: 1.55 ug/L
RT: 2.518 min Scan# 273
Delta R.T. -0.006 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:101 Resp: 20767

Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.0	76.4

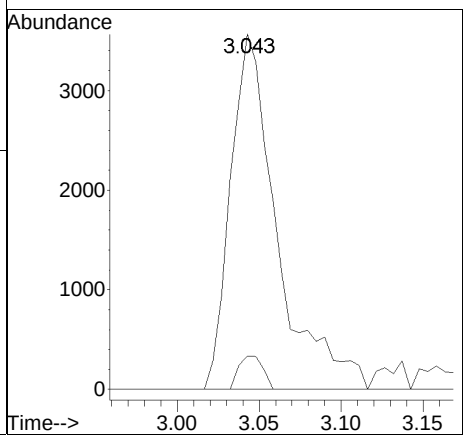


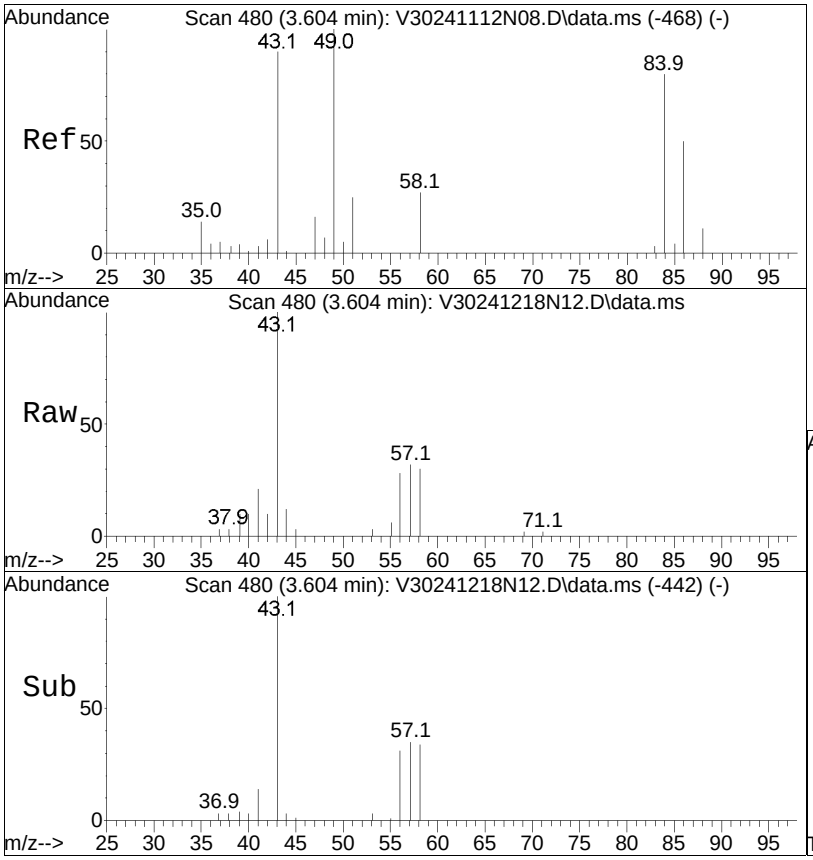


#11
Carbon disulfide
Concen: 0.27 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 76 Resp: 7065

Ion	Ratio	Lower	Upper
76	100		
78	4.9	6.4	13.4#

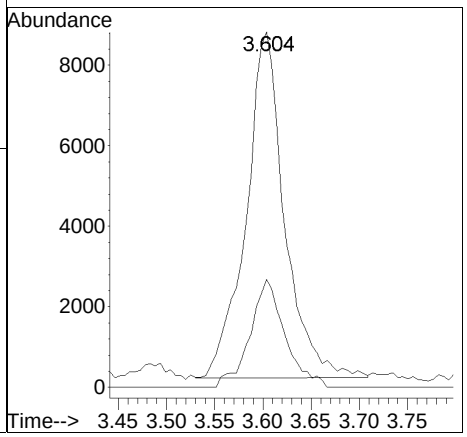


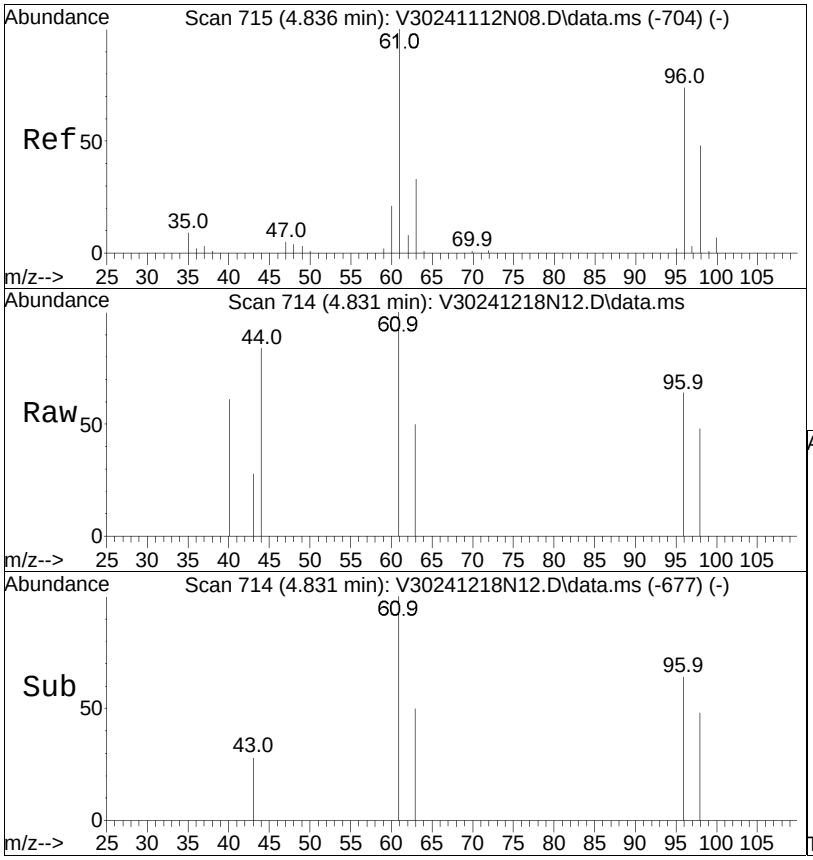


#17
Acetone
Concen: 15.52 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 43 Resp: 23876

Ion	Ratio	Lower	Upper
43	100		
58	28.3	20.1	30.1

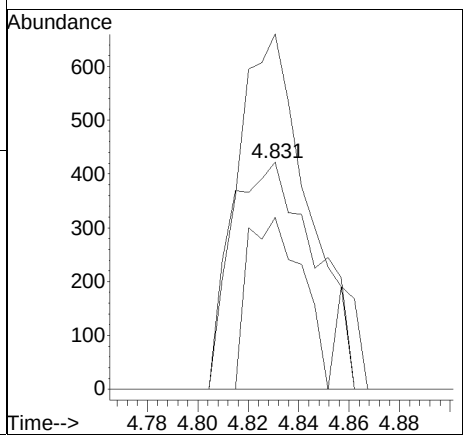


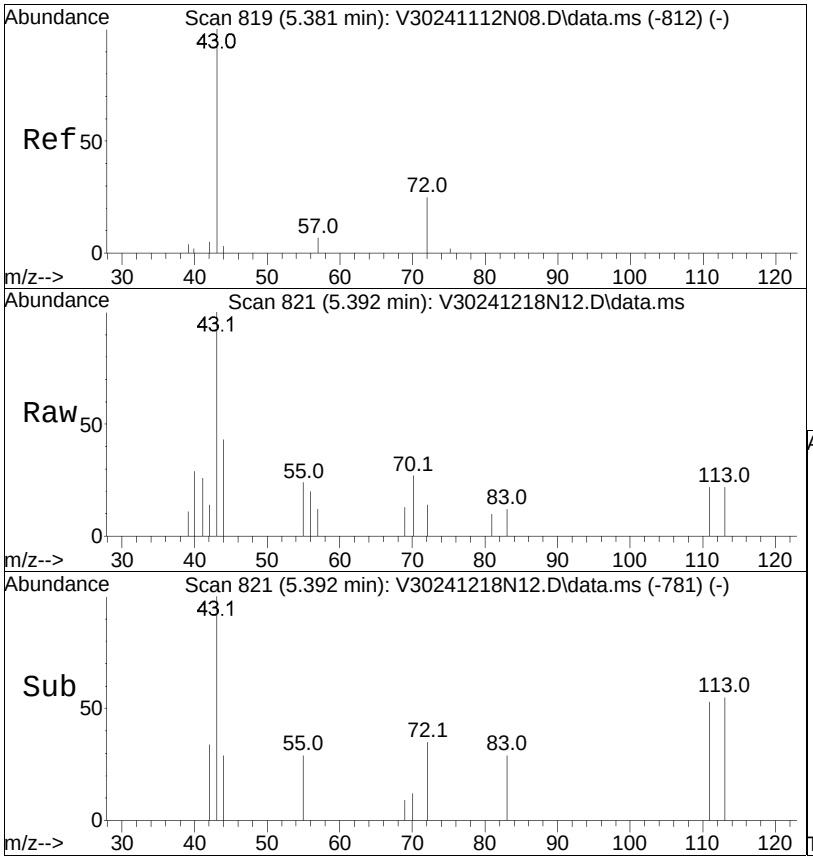


#30
cis-1,2-Dichloroethene
Concen: 0.09 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 96 Resp: 981

Ion	Ratio	Lower	Upper
96	100		
61	135.4	129.3	193.9
98	48.9	51.4	77.2#

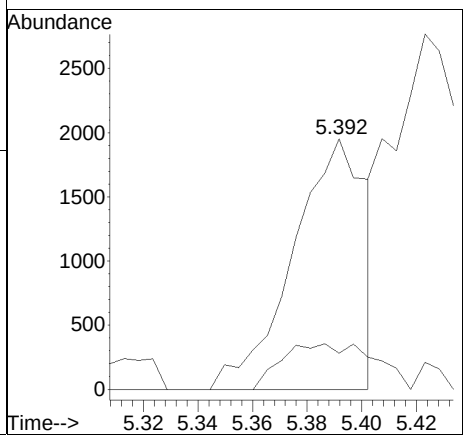


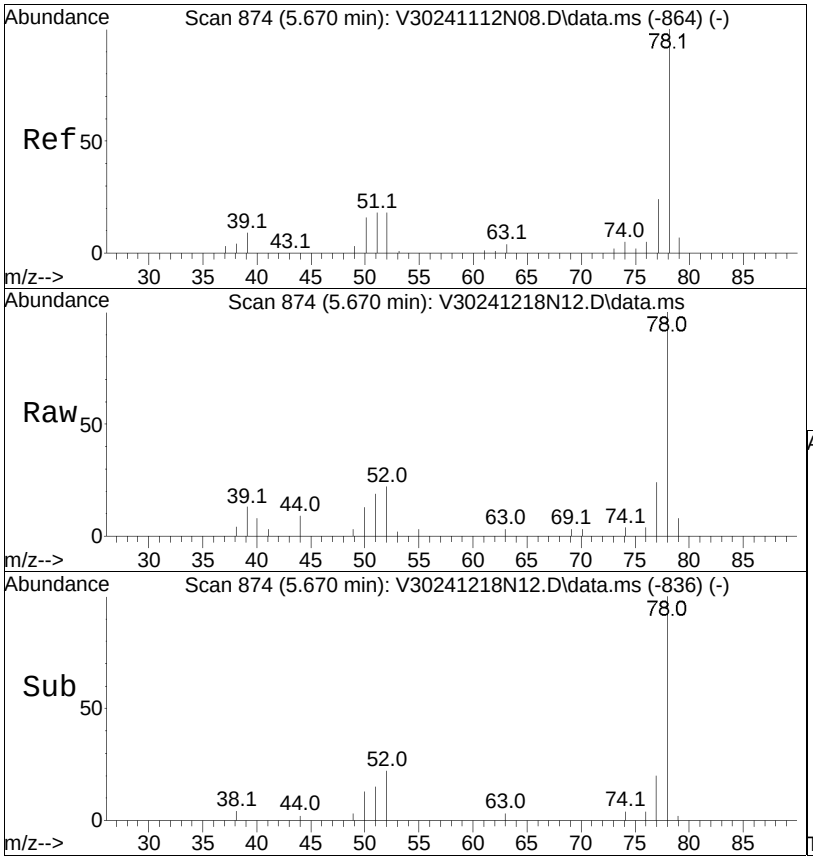


#42
2-Butanone
Concen: 1.85 ug/L
RT: 5.392 min Scan# 821
Delta R.T. 0.011 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 43 Resp: 3604

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.2	27.4

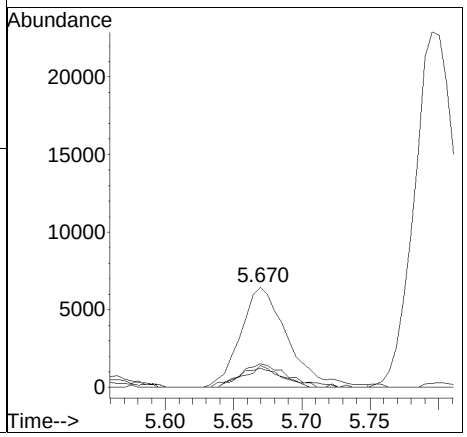


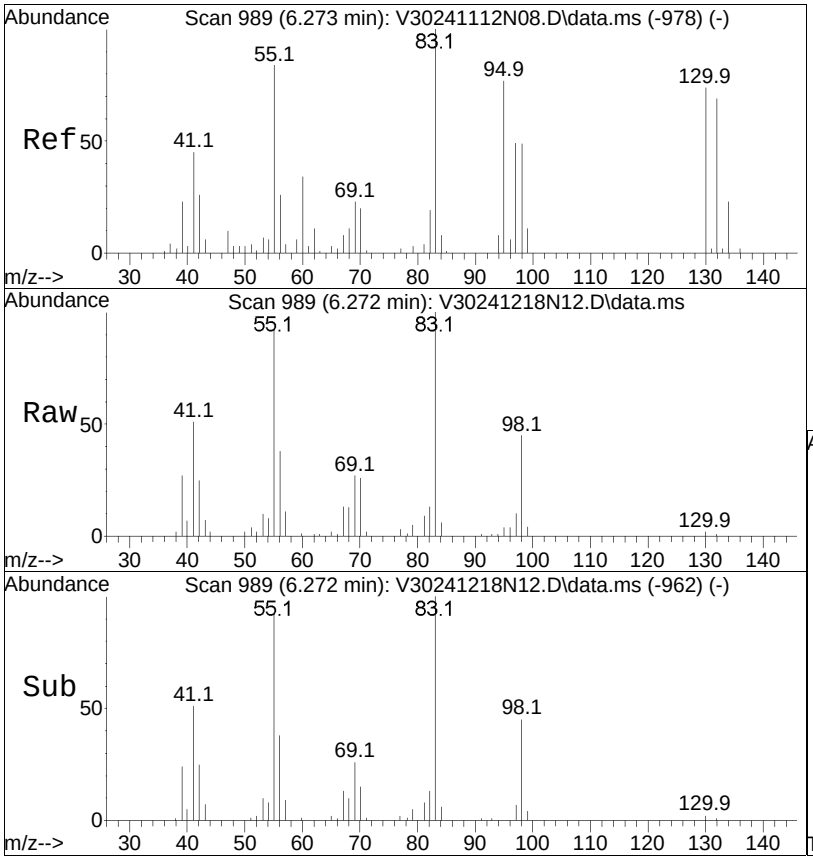


#45
Benzene
Concen: 0.50 ug/L
RT: 5.670 min Scan# 874
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 78 Resp: 15501

Ion	Ratio	Lower	Upper
78	100		
77	25.0	15.6	32.4
51	18.4	12.9	26.7
52	17.2	12.4	25.7

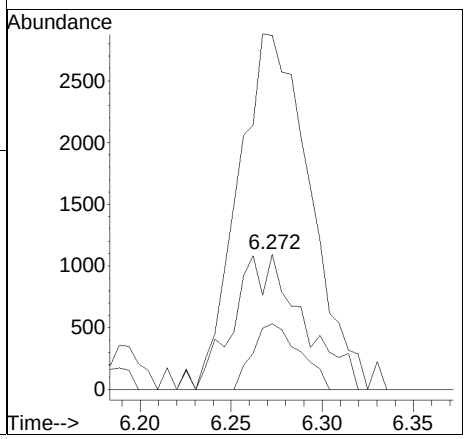


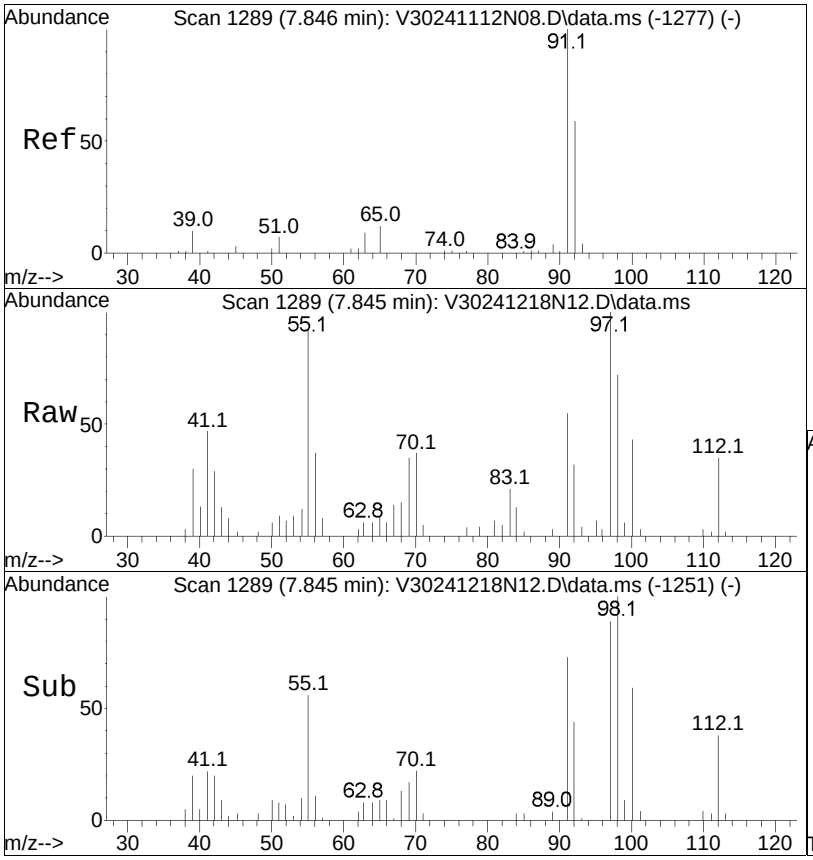


#52
Trichloroethene
Concen: 0.38 ug/L
RT: 6.272 min Scan# 989
Delta R.T. -0.001 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 95 Resp: 2838

Ion	Ratio	Lower	Upper
95	100		
97	277.8	53.8	80.6#
130	33.7	71.4	107.0#

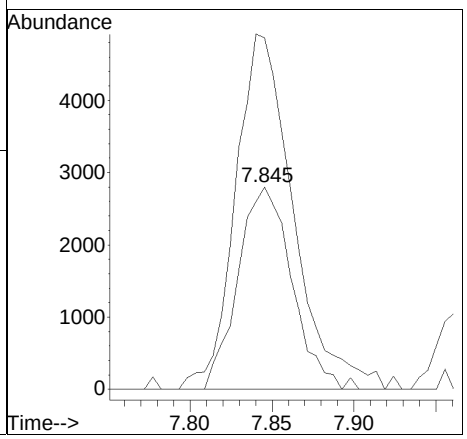


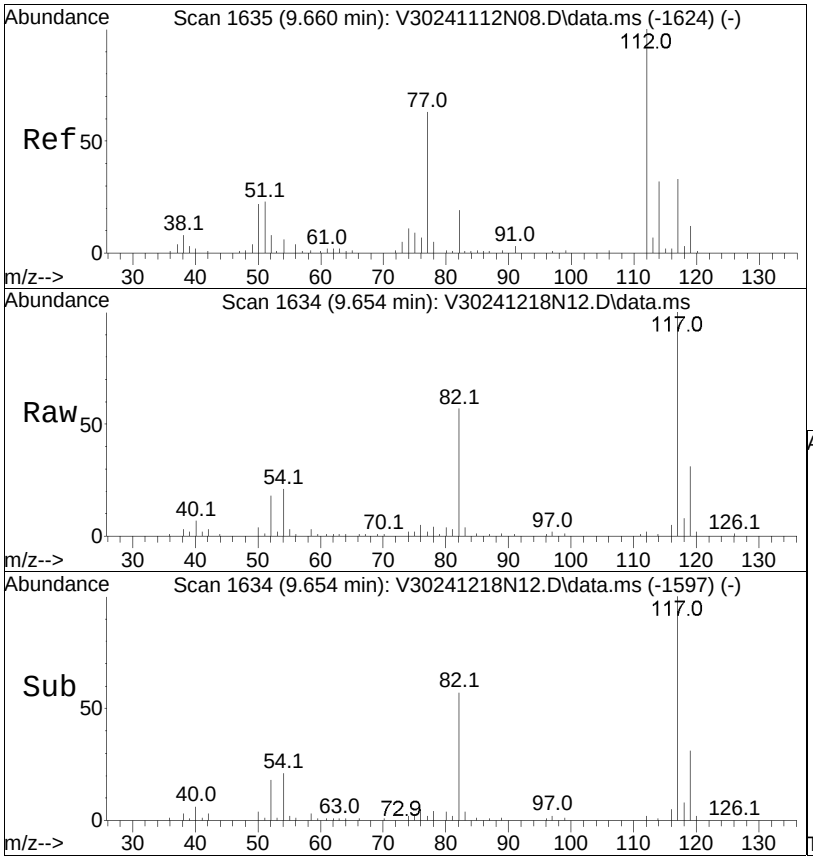


#65
Toluene
Concen: 0.30 ug/L
RT: 7.845 min Scan# 1289
Delta R.T. -0.001 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 92 Resp: 6420

Ion	Ratio	Lower	Upper
92	100		
91	188.9	137.5	206.3

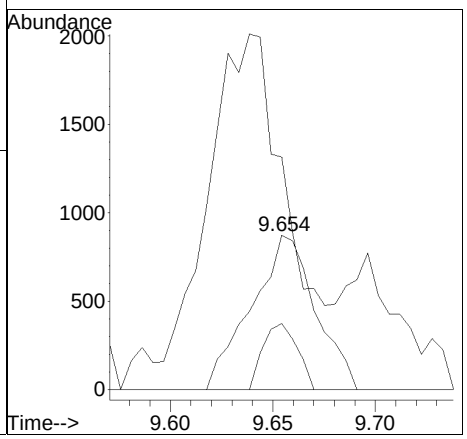


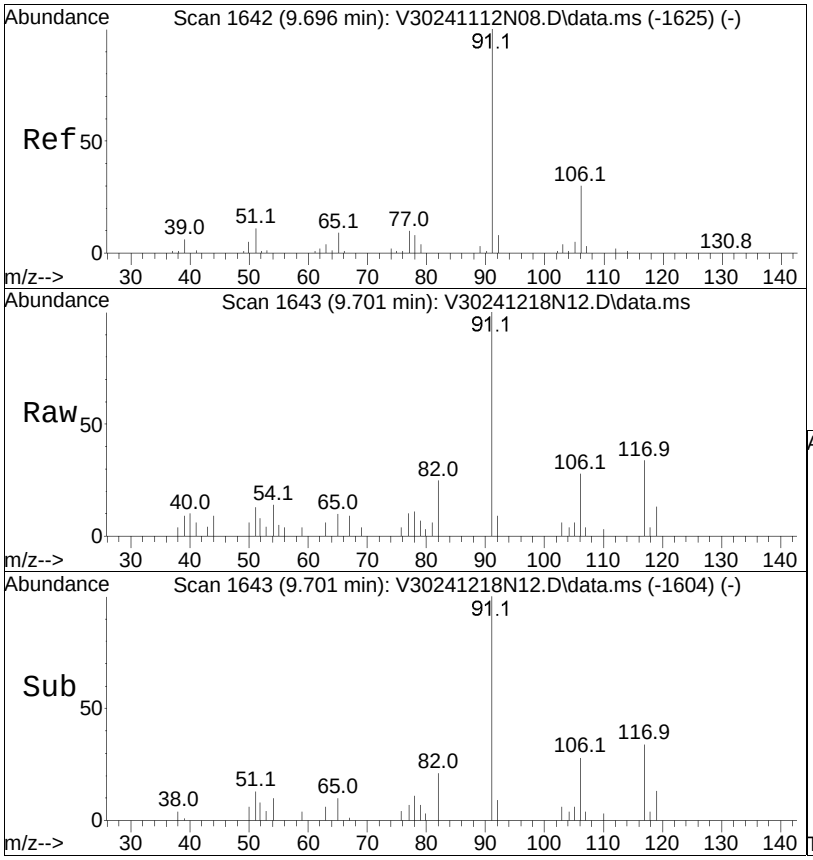


#78
Chlorobenzene
Concen: 0.08 ug/L
RT: 9.654 min Scan# 1634
Delta R.T. -0.006 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:112 Resp: 1890

Ion	Ratio	Lower	Upper
112	100		
77	283.8	54.8	82.2#
114	22.9	25.4	38.0#

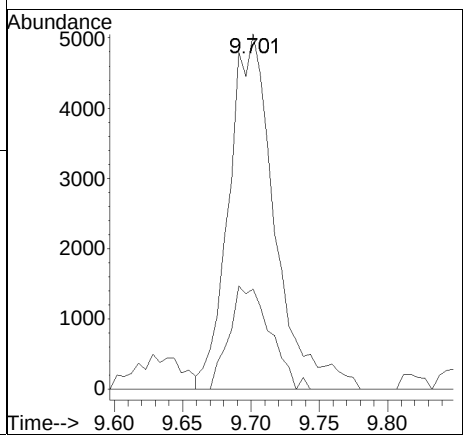


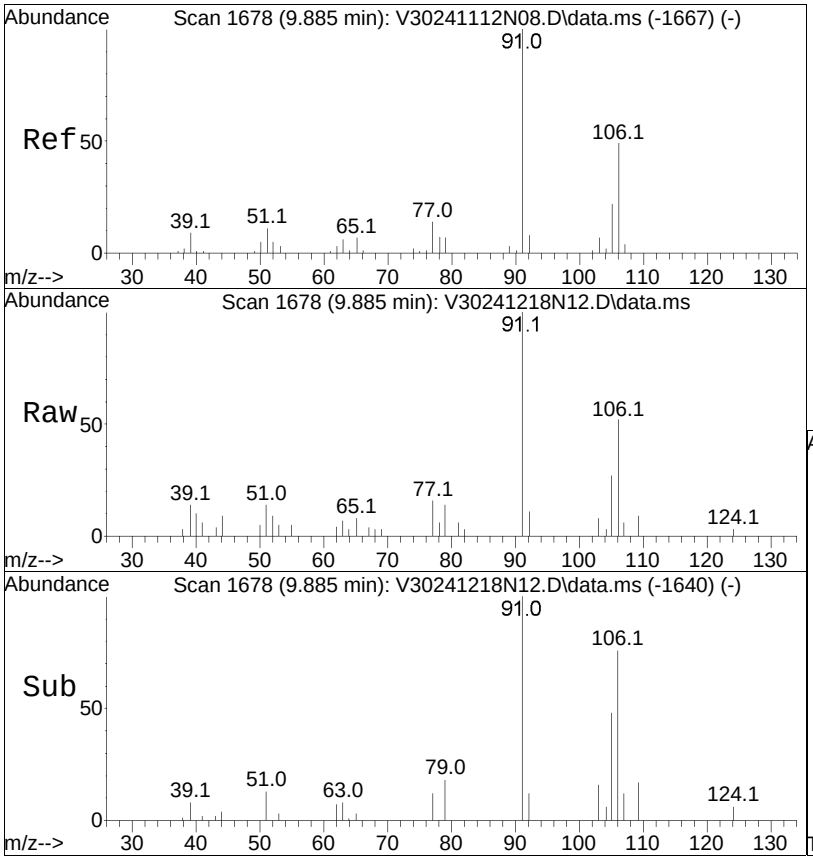


#79
Ethylbenzene
Concen: 0.28 ug/L
RT: 9.701 min Scan# 1643
Delta R.T. 0.005 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 91 Resp: 11779

Ion	Ratio	Lower	Upper
91	100		
106	26.1	23.4	35.2

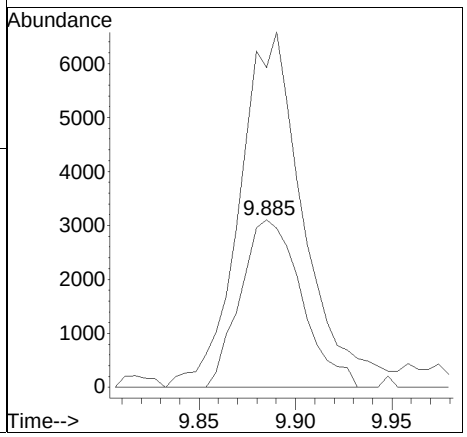


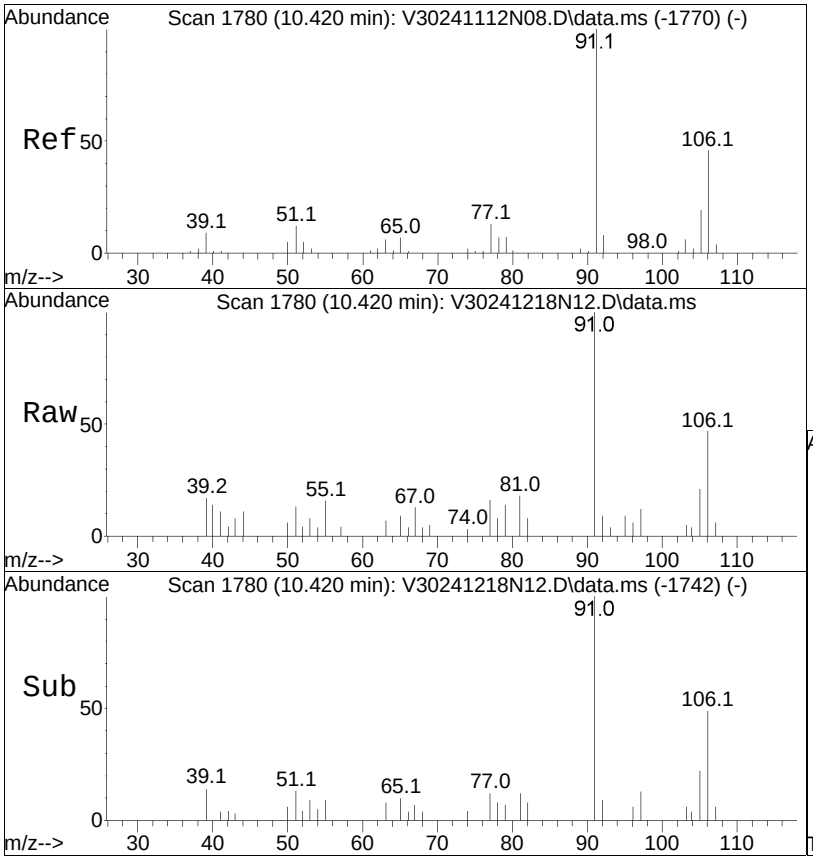


#81
p/m Xylene
Concen: 0.40 ug/L
RT: 9.885 min Scan# 1678
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:106 Resp: 6861

Ion	Ratio	Lower	Upper
106	100		
91	222.1	171.4	257.2

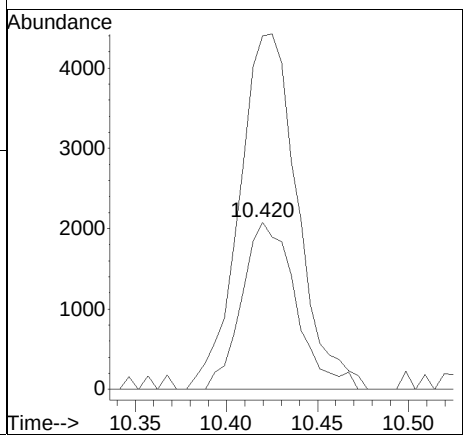


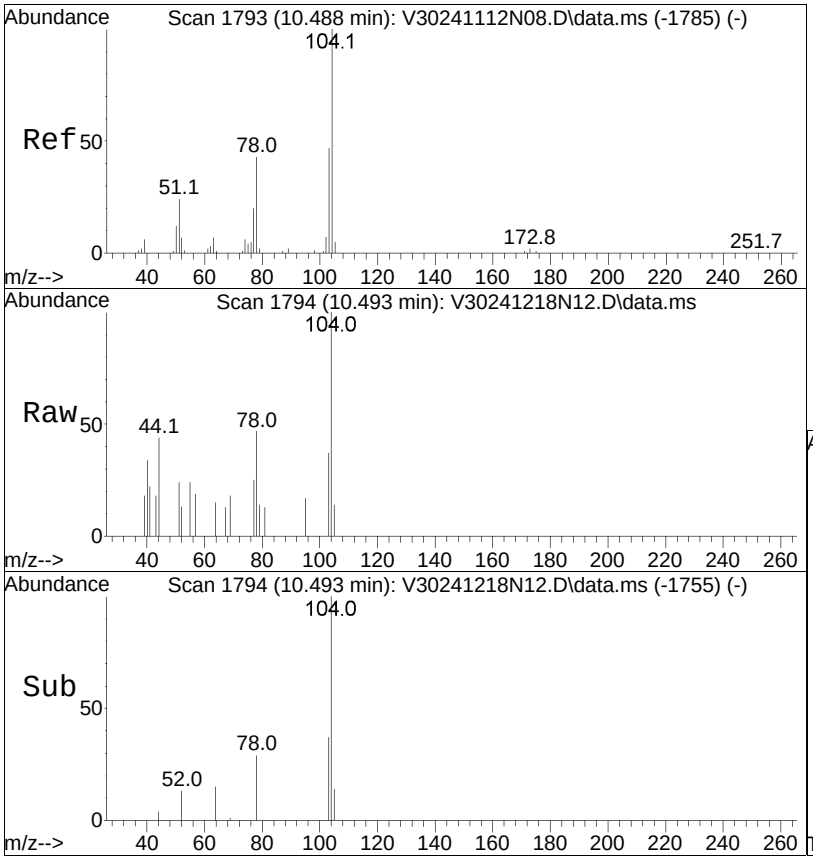


#82
o Xylene
Concen: 0.26 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:106 Resp: 4279

Ion	Ratio	Lower	Upper
106	100		
91	229.9	179.2	268.8

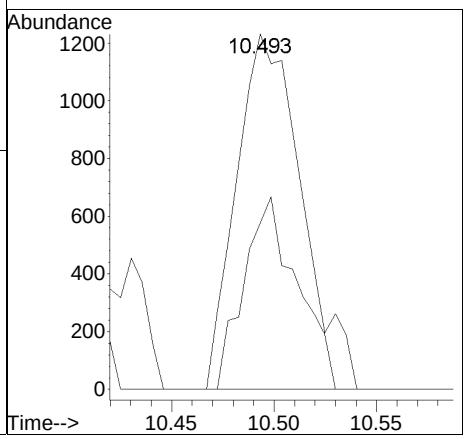


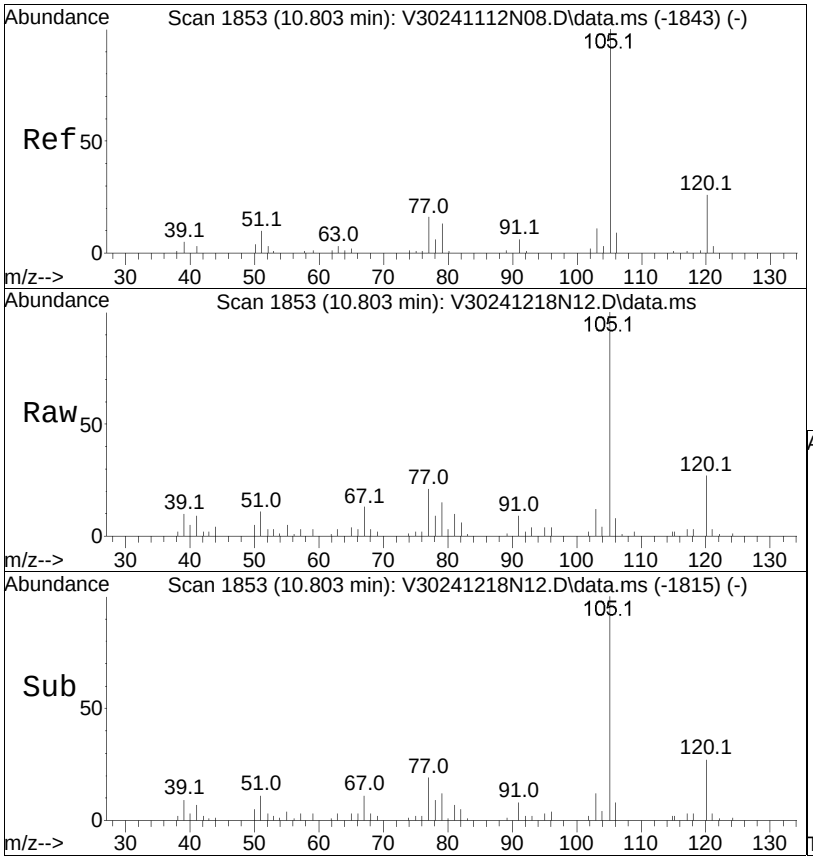


#83
Styrene
Concen: 0.10 ug/L
RT: 10.493 min Scan# 1794
Delta R.T. 0.005 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:104 Resp: 2747

Ion	Ratio	Lower	Upper
104	100		
78	44.0	38.1	57.1

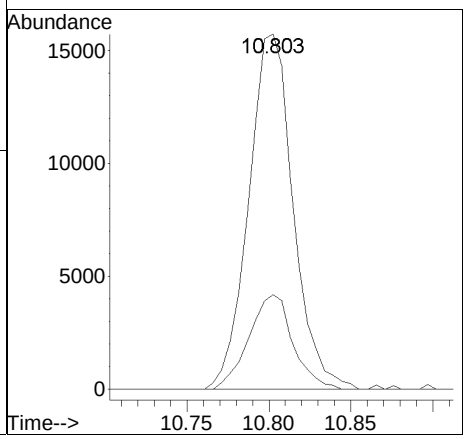


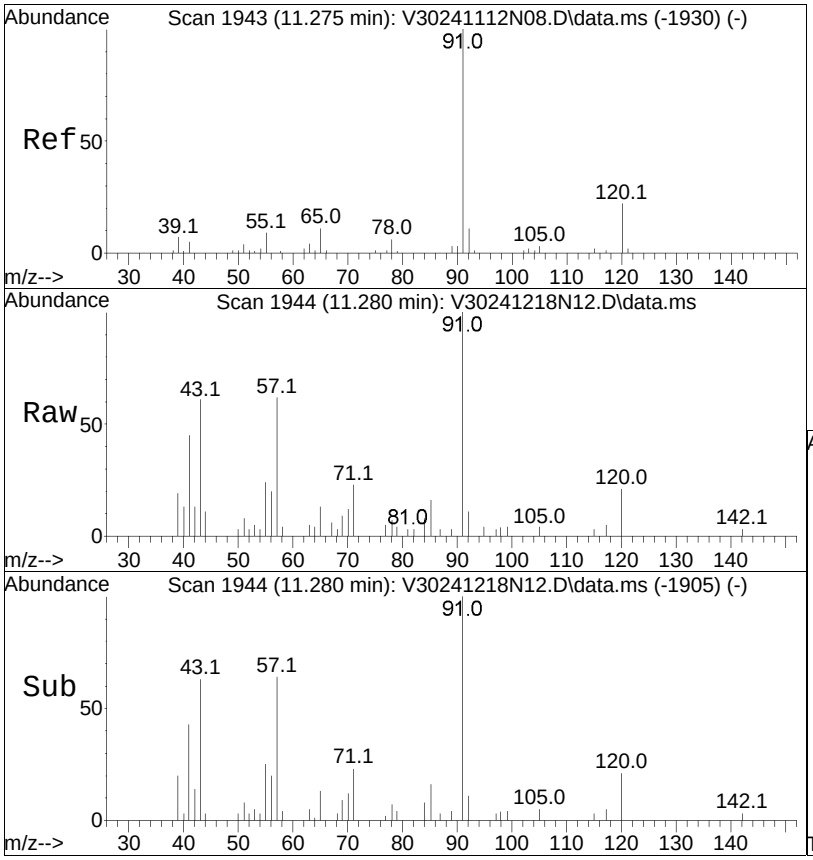


#87
Isopropylbenzene
Concen: 0.69 ug/L
RT: 10.803 min Scan# 1853
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:105 Resp: 29742

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.0	30.0

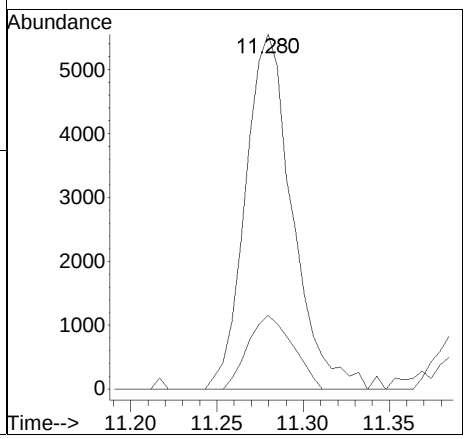


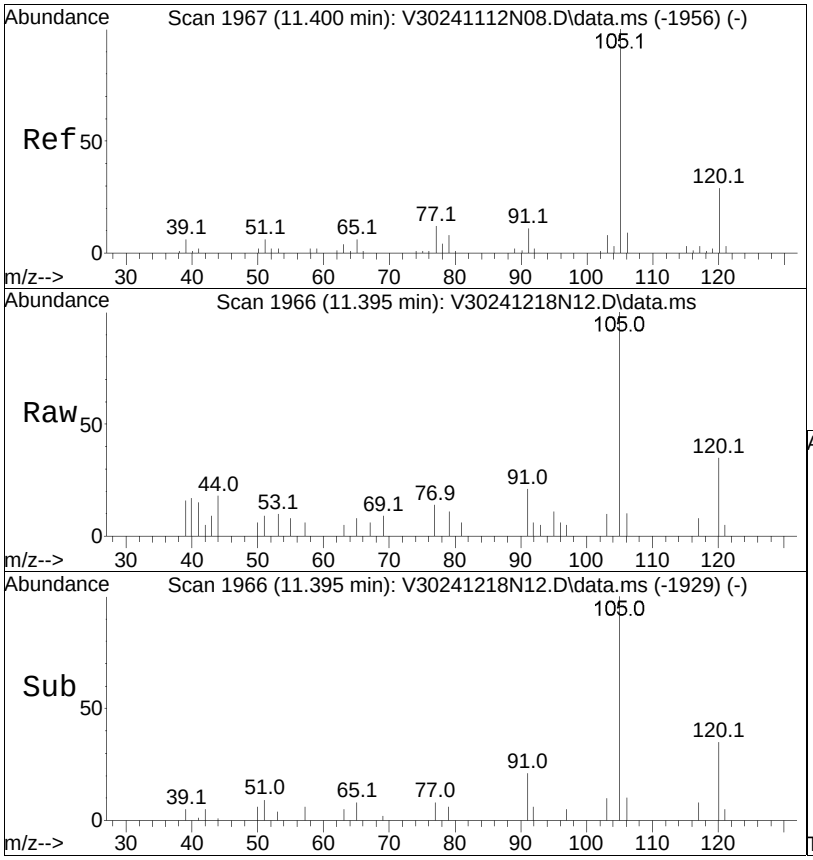


#90
n-Propylbenzene
Concen: 0.20 ug/L
RT: 11.280 min Scan# 1944
Delta R.T. 0.005 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion: 91 Resp: 10527

Ion	Ratio	Lower	Upper
91	100		
120	19.9	16.3	24.5

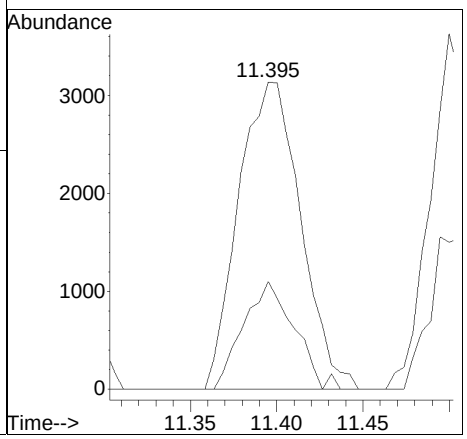


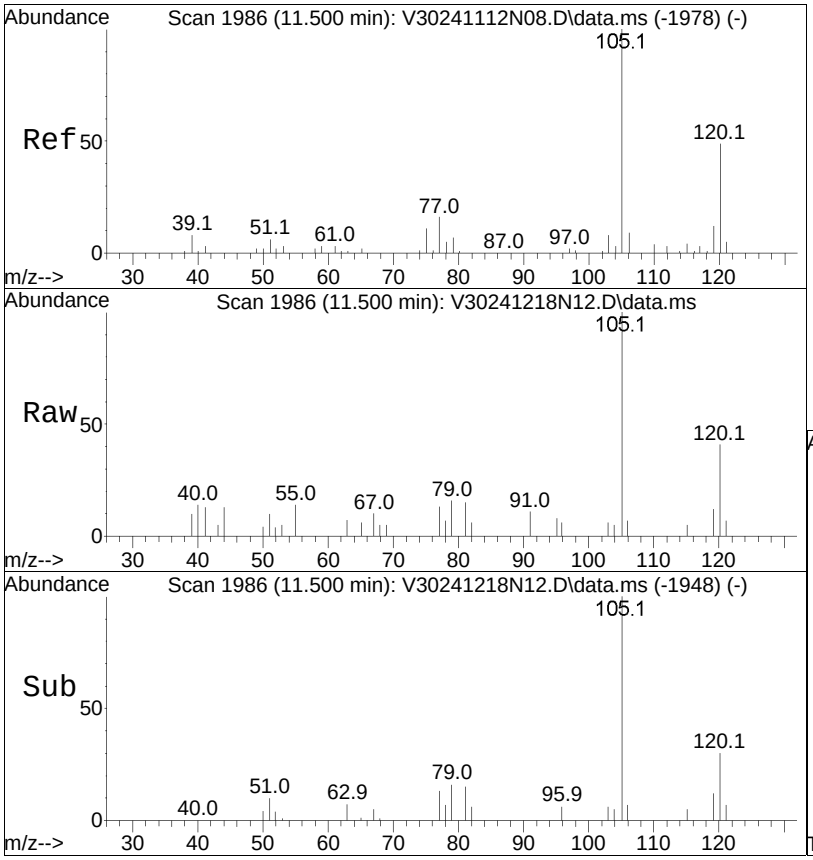


#93
4-Ethyltoluene
Concen: 0.18 ug/L
RT: 11.395 min Scan# 1966
Delta R.T. -0.005 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:105 Resp: 7857

Ion	Ratio	Lower	Upper
105	100		
120	28.8	18.5	38.3

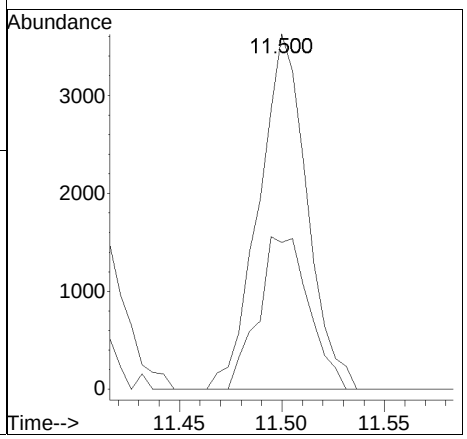


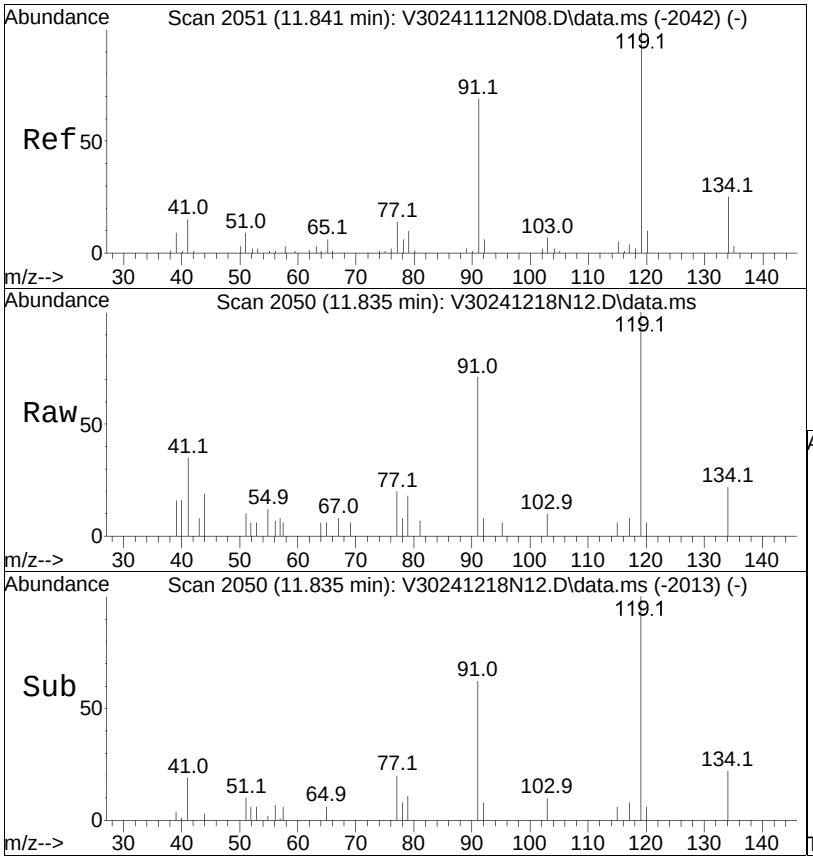


#95
1,3,5-Trimethylbenzene
Concen: 0.15 ug/L
RT: 11.500 min Scan# 1986
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:105 Resp: 5931

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.8	56.6

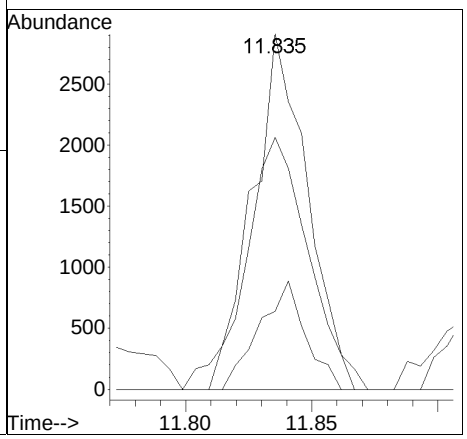


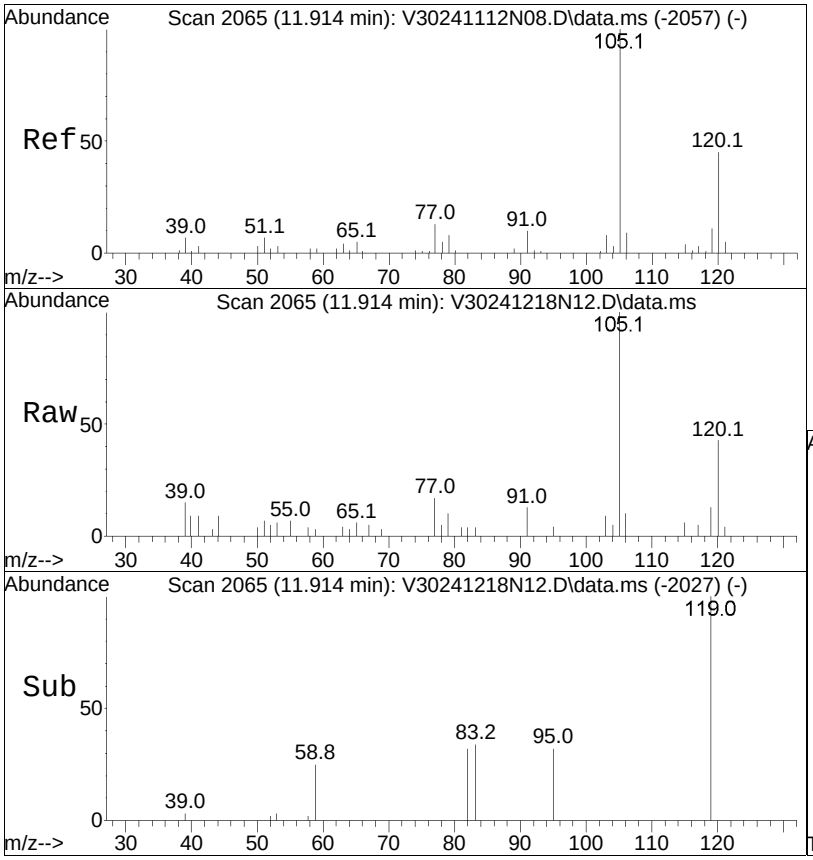


#99
tert-Butylbenzene
Concen: 0.14 ug/L
RT: 11.835 min Scan# 2050
Delta R.T. -0.006 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:119 Resp: 4399

Ion	Ratio	Lower	Upper
119	100		
91	81.5	58.8	88.2
134	25.8	18.6	27.8

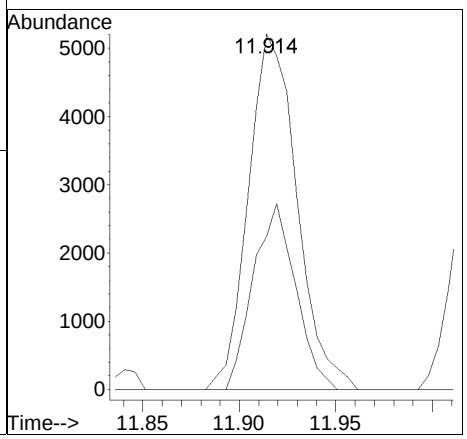


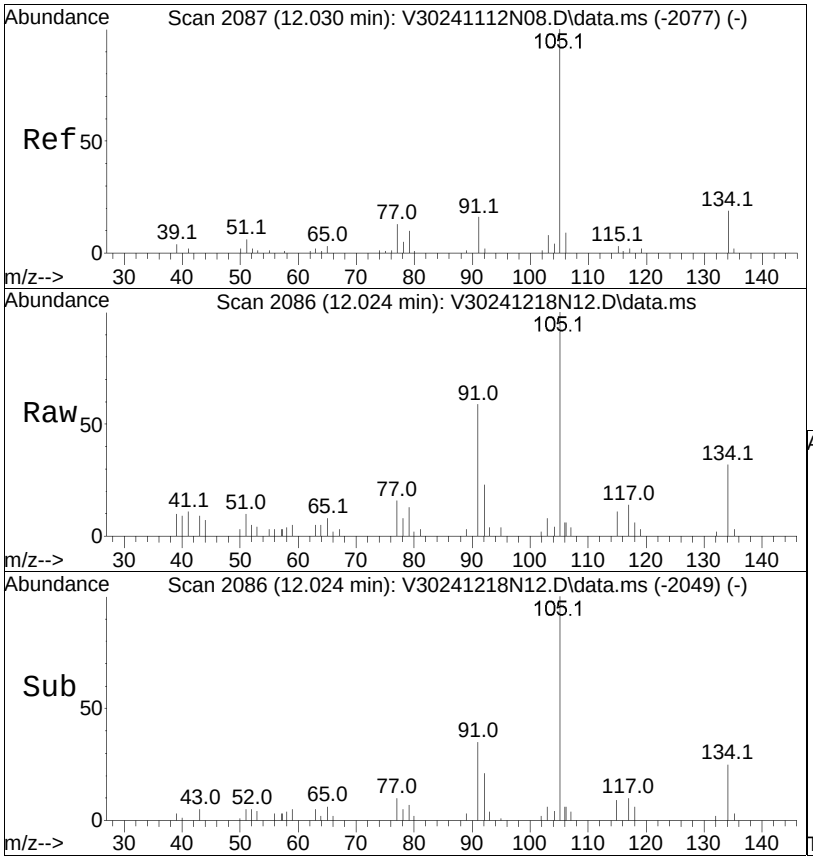


#102
1,2,4-Trimethylbenzene
Concen: 0.24 ug/L
RT: 11.914 min Scan# 2065
Delta R.T. 0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:105 Resp: 9131

Ion	Ratio	Lower	Upper
105	100		
120	45.5	35.2	52.8

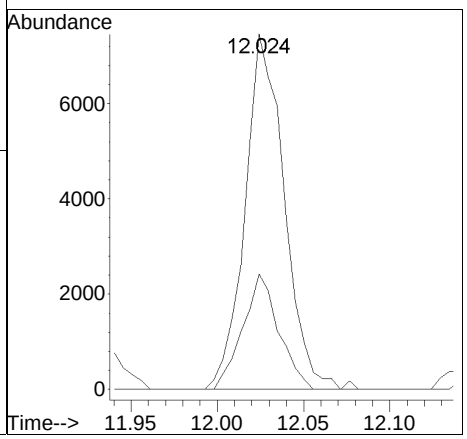


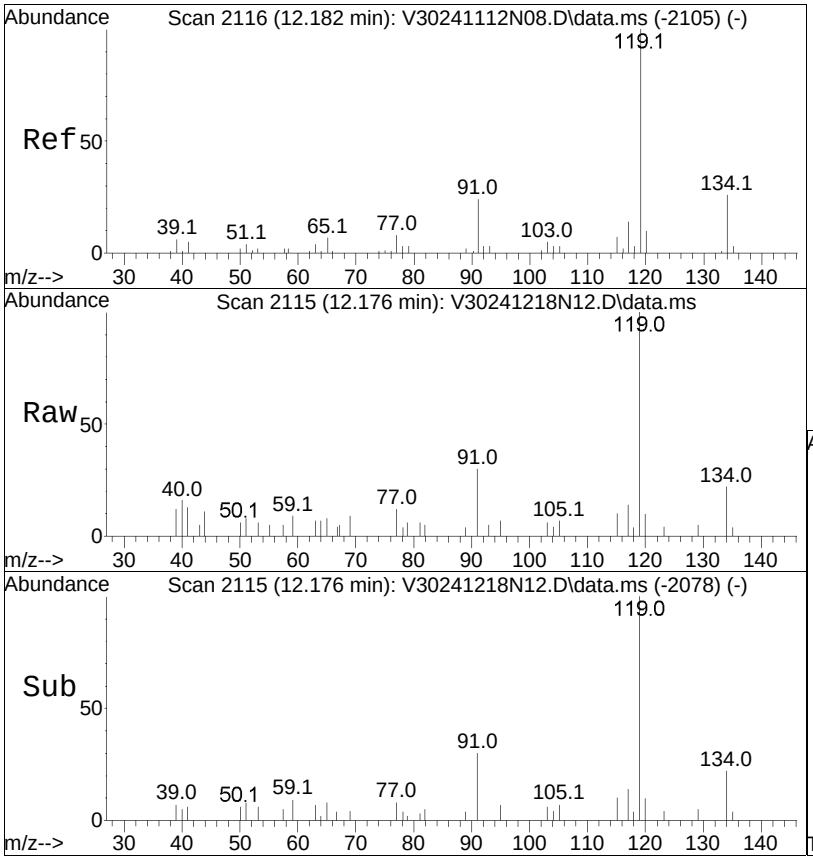


#103
sec-Butylbenzene
Concen: 0.26 ug/L
RT: 12.024 min Scan# 2086
Delta R.T. -0.006 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:105 Resp: 11816

Ion	Ratio	Lower	Upper
105	100		
134	29.8	11.4	23.6#

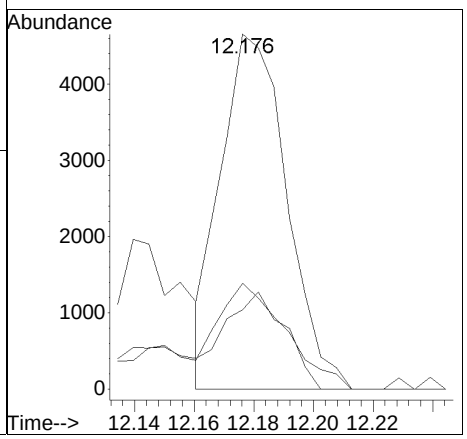


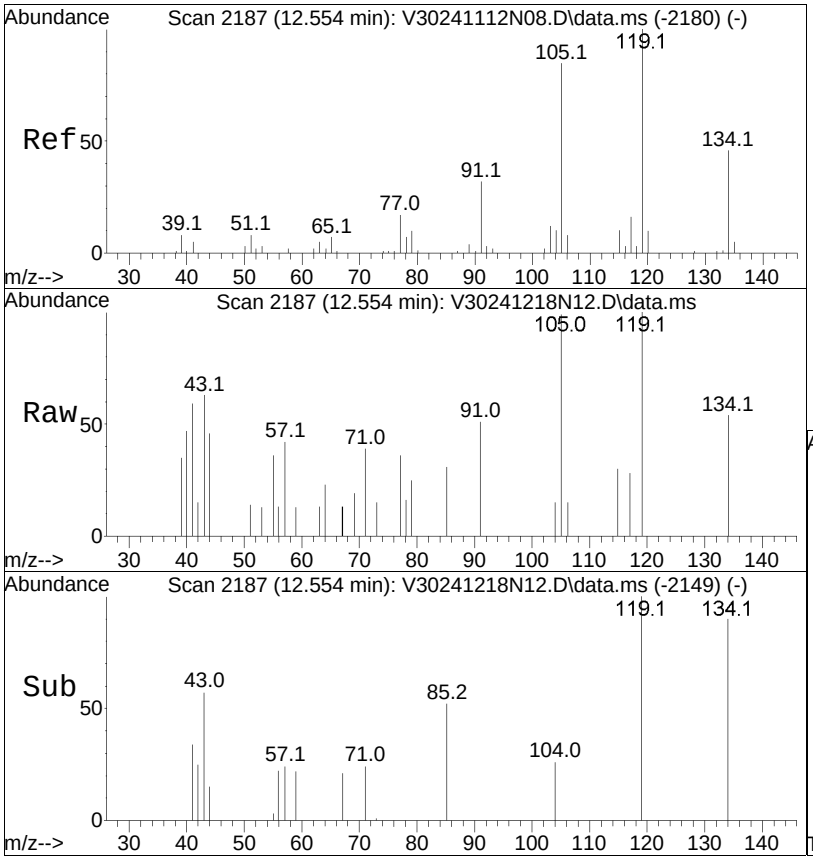


#104
p-Isopropyltoluene
Concen: 0.18 ug/L
RT: 12.176 min Scan# 2115
Delta R.T. -0.006 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:119 Resp: 7174

Ion	Ratio	Lower	Upper
119	100		
134	25.4	15.9	33.1
91	30.7	16.6	34.4

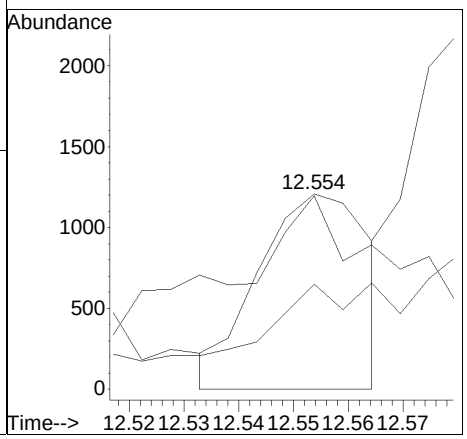


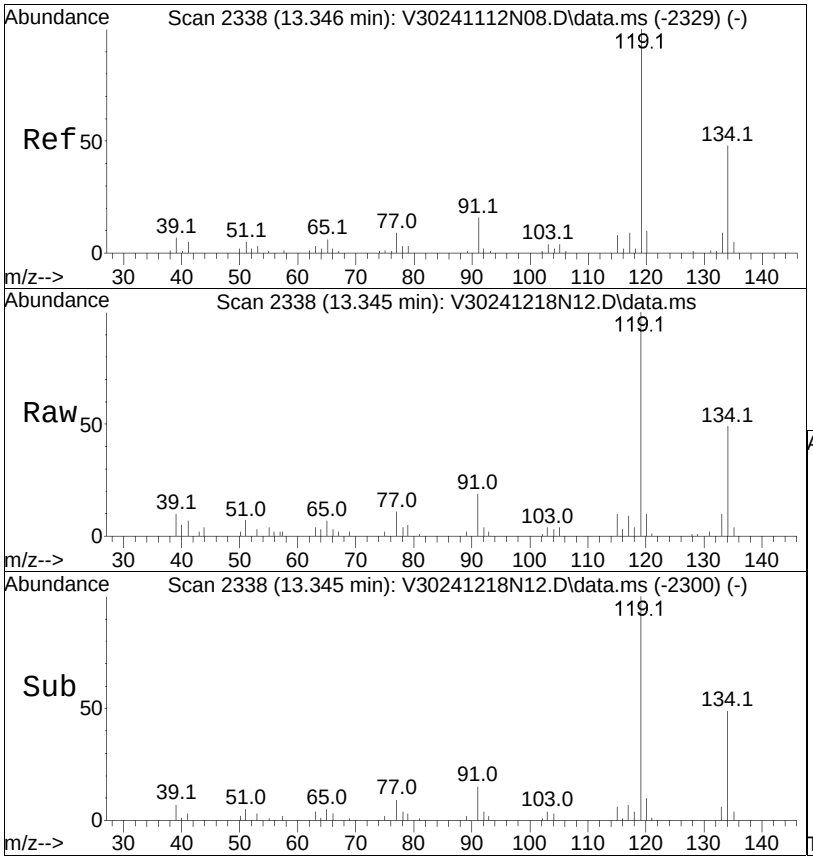


#107
p-Diethylbenzene
Concen: 0.07 ug/L M6
RT: 12.554 min Scan# 2187
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:119 Resp: 1690

Ion	Ratio	Lower	Upper
119	100		
105	459.3	58.4	121.2#
134	205.0	28.7	59.5#

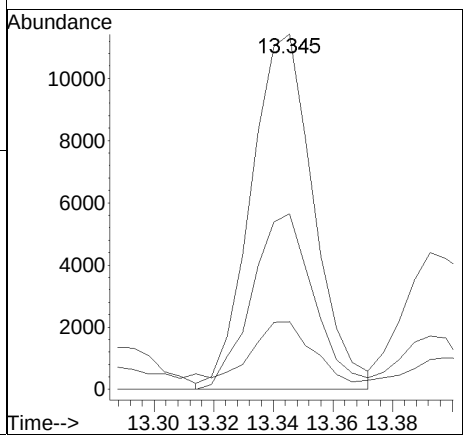


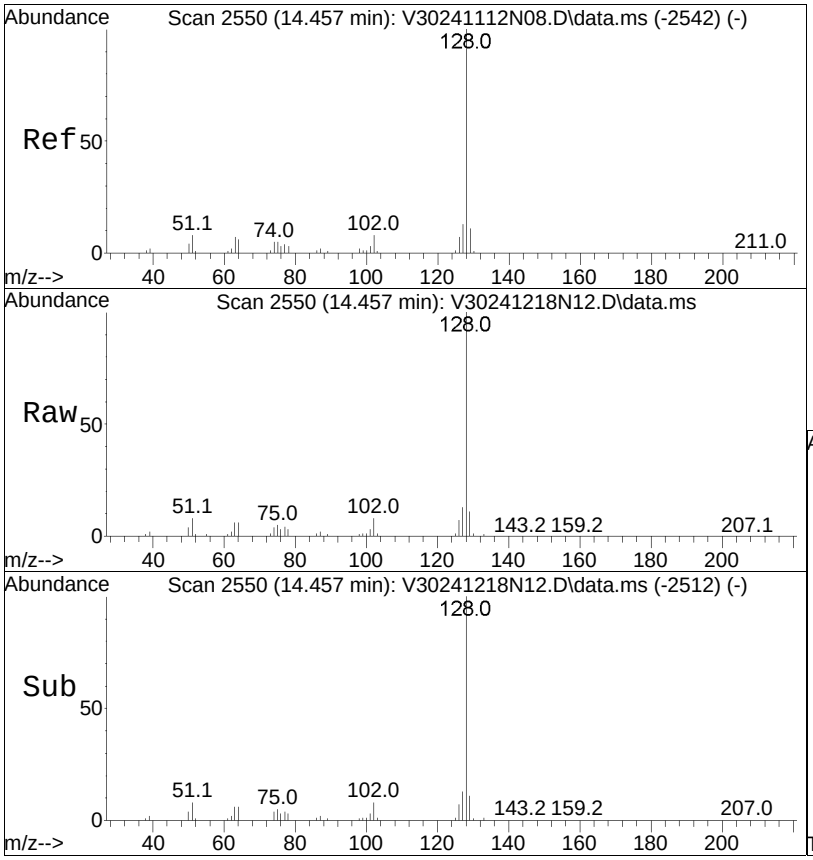


#110
1,2,4,5-Tetramethylbenzene
Concen: 0.50 ug/L
RT: 13.345 min Scan# 2338
Delta R.T. -0.001 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:119 Resp: 16686

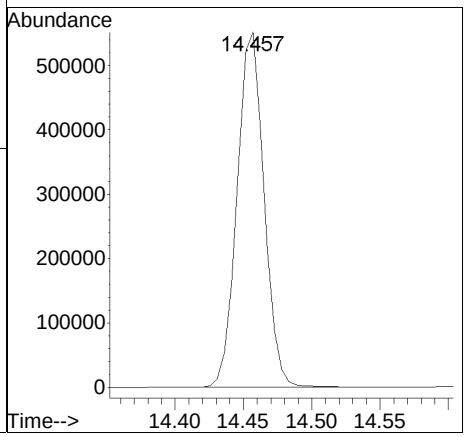
Ion	Ratio	Lower	Upper
119	100		
134	49.3	29.1	60.5
91	17.2	11.5	23.9





#115
Naphthalene
Concen: 27.42 ug/L
RT: 14.457 min Scan# 2550
Delta R.T. -0.000 min
Lab File: V30241218N12.D
Acq: 18 Dec 2024 09:33 pm

Tgt Ion:128 Resp: 757521

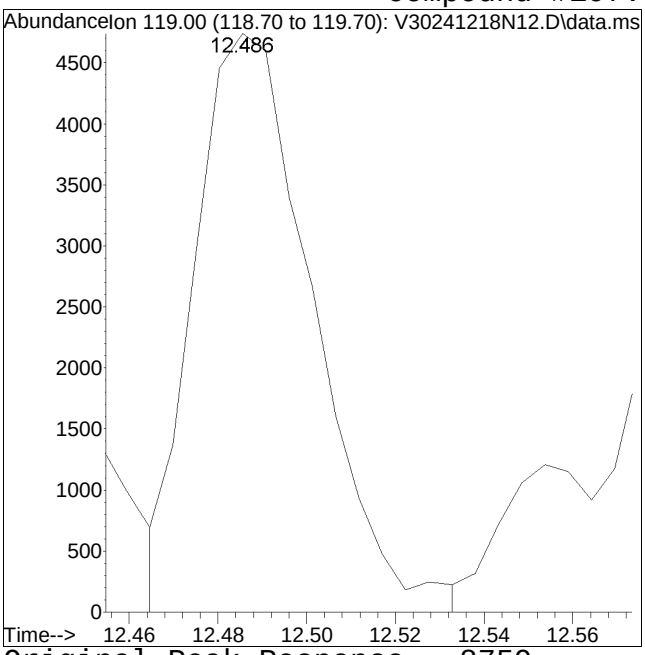


Manual Integration Report

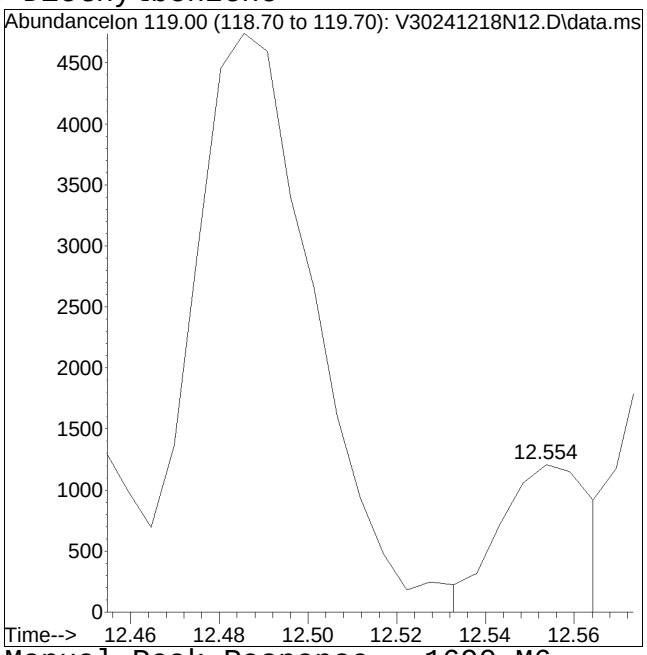
Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N12.D
Date Inj'd : 12/18/2024 9:33 pm
Sample : L2473190-05,31,10,10,,A

QMethod : V130_241112N_8260D.m
Operator : VOA130:MJV
Instrument : VOA130
Quant Date : 12/19/2024 8:38 am

Compound #107: p-Diethylbenzene



Original Peak Response = 8759



Manual Peak Response = 1690 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N13.D
Acq On : 18 Dec 2024 09:54 pm
Operator : VOA130:MJV
Sample : L2473190-04,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 10:33:07 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	364366	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 69.62%			
63) Chlorobenzene-d5	9.633	117	335623	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 77.84%			
84) 1,4-Dichlorobenzene-d4	12.323	152	216473	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 78.91%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	152524	12.178	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.78%			
47) 1,2-Dichloroethane-d4	5.801	65	132181	10.539	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.39%			
64) Toluene-d8	7.788	98	420235	9.334	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.34%			
88) 4-Bromofluorobenzene	11.117	95	182316	9.752	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	384	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.262	94	210	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	2.524	101	1092	0.092	ug/L	93
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.043	76	3175	0.139	ug/L #	83
15) Methylene chloride	3.583	84	111	N.D.		
17) Acetone	3.604	43	7629	4.406	ug/L	97
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.558	43	102	N.D.		
30) cis-1,2-Dichloroethene	4.831	96	138	N.D.		
31) 2,2-Dichloropropane	5.009	77	235	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.109	83	735	N.D.		

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N13.D
Acq On : 18 Dec 2024 09:54 pm
Operator : VOA130:MJV
Sample : L2473190-04,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 10:33:07 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.			
40) 1,1,1-Trichloroethane	0.000		0	N.D.			
42) 2-Butanone	5.392	43	3135	1.832	ug/L	#	68
43) 1,1-Dichloropropene	0.000		0	N.D.			
45) Benzene	5.675	78	49	N.D.			
48) 1,2-Dichloroethane	5.853	62	53	N.D.			
52) Trichloroethene	6.278	95	564	0.085	ug/L	#	79
54) Dibromomethane	0.000		0	N.D.			
55) 1,2-Dichloropropane	0.000		0	N.D.			
58) Bromodichloromethane	0.000		0	N.D.			
61) 1,4-Dioxane	0.000		0	N.D.			
62) cis-1,3-Dichloropropene	0.000		0	N.D.			
65) Toluene	7.846	92	191	N.D.			
66) 4-Methyl-2-pentanone	0.000		0	N.D.			
67) Tetrachloroethene	0.000		0	N.D.			
69) trans-1,3-Dichloropropene	0.000		0	N.D.			
72) 1,1,2-Trichloroethane	0.000		0	N.D.			
73) Chlorodibromomethane	0.000		0	N.D.			
74) 1,3-Dichloropropane	0.000		0	N.D.			
75) 1,2-Dibromoethane	0.000		0	N.D.			
77) 2-Hexanone	9.214	43	50	N.D.			
78) Chlorobenzene	0.000		0	N.D.			
79) Ethylbenzene	9.702	91	52	N.D.			
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
81) p/m Xylene	0.000		0	N.D.			
82) o Xylene	0.000		0	N.D.			
83) Styrene	0.000		0	N.D.			
85) Bromoform	0.000		0	N.D.			
87) Isopropylbenzene	0.000		0	N.D.			
89) Bromobenzene	0.000		0	N.D.			
90) n-Propylbenzene	11.290	91	182	N.D.			
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
93) 4-Ethyltoluene	0.000		0	N.D.			
94) 2-Chlorotoluene	11.290	91	182	N.D.			
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
96) 1,2,3-Trichloropropane	11.626	75	164	N.D.			
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
98) 4-Chlorotoluene	0.000		0	N.D.			
99) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N13.D
Acq On : 18 Dec 2024 09:54 pm
Operator : VOA130:MJV
Sample : L2473190-04,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 10:33:07 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
103) sec-Butylbenzene	0.000		0	N.D.		
104) p-Isopropyltoluene	12.182	119	55	N.D.		
105) 1,3-Dichlorobenzene	12.334	146	233	N.D.		
106) 1,4-Dichlorobenzene	12.334	146	233	N.D.		
107) p-Diethylbenzene	0.000		0	N.D.		
108) n-Butylbenzene	0.000		0	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) Naphthalene	14.462	128	6123	0.235	ug/L	100
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

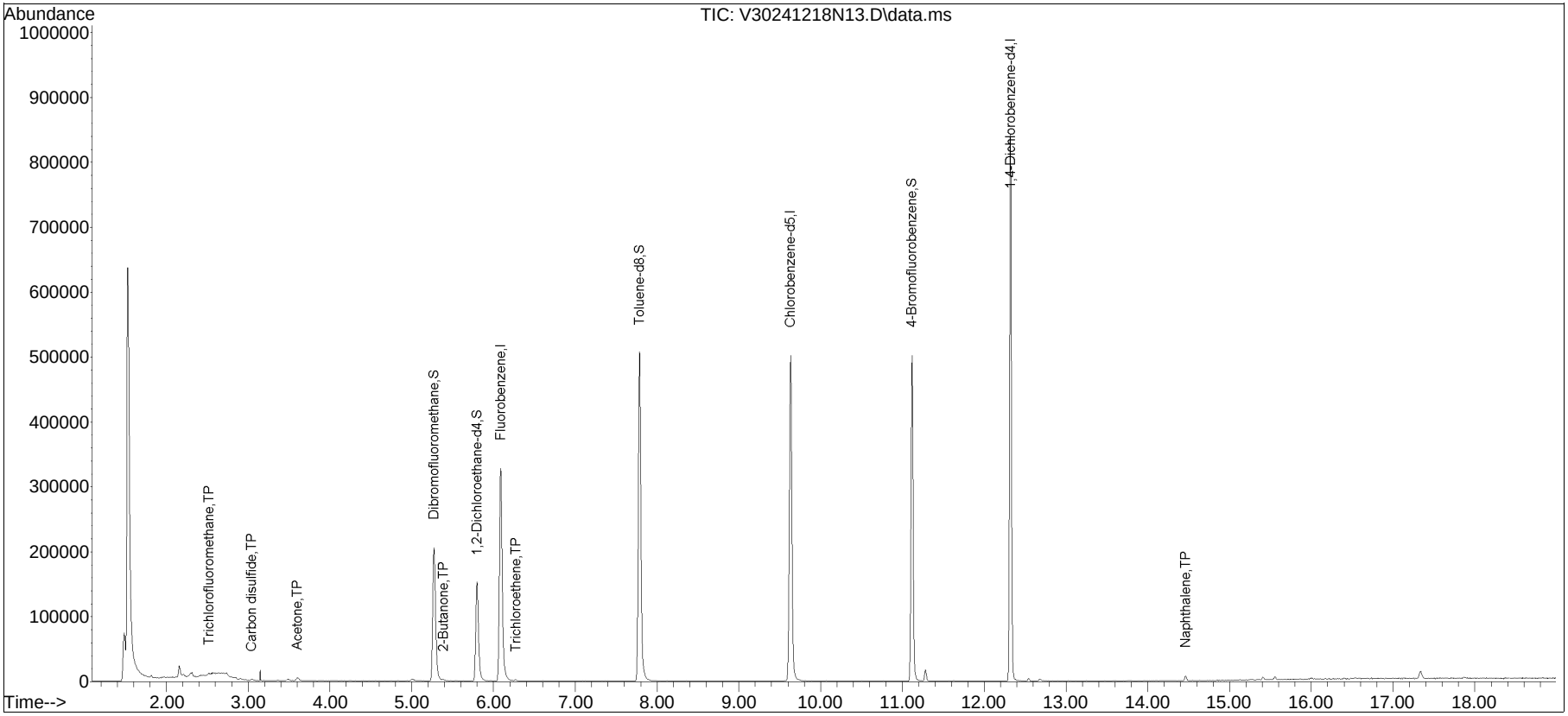
(#) = qualifier out of range (m) = manual integration (+) = signals summed

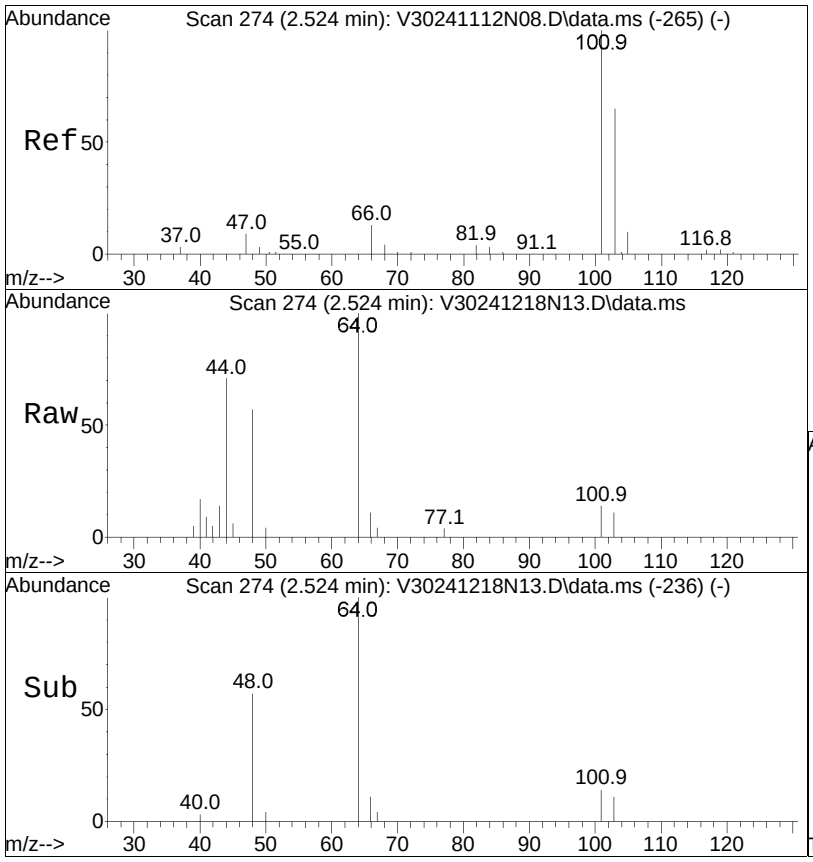
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N13.D
Acq On : 18 Dec 2024 09:54 pm
Operator : VOA130:MJV
Sample : L2473190-04,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 10:33:07 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N02.D•

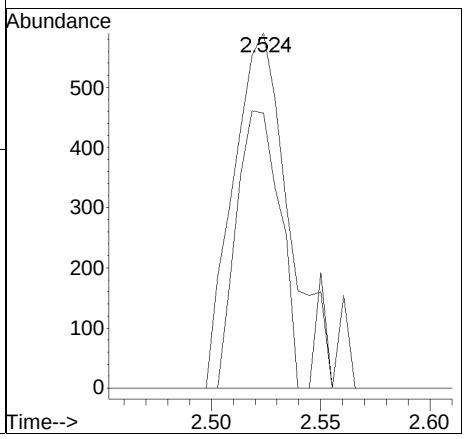


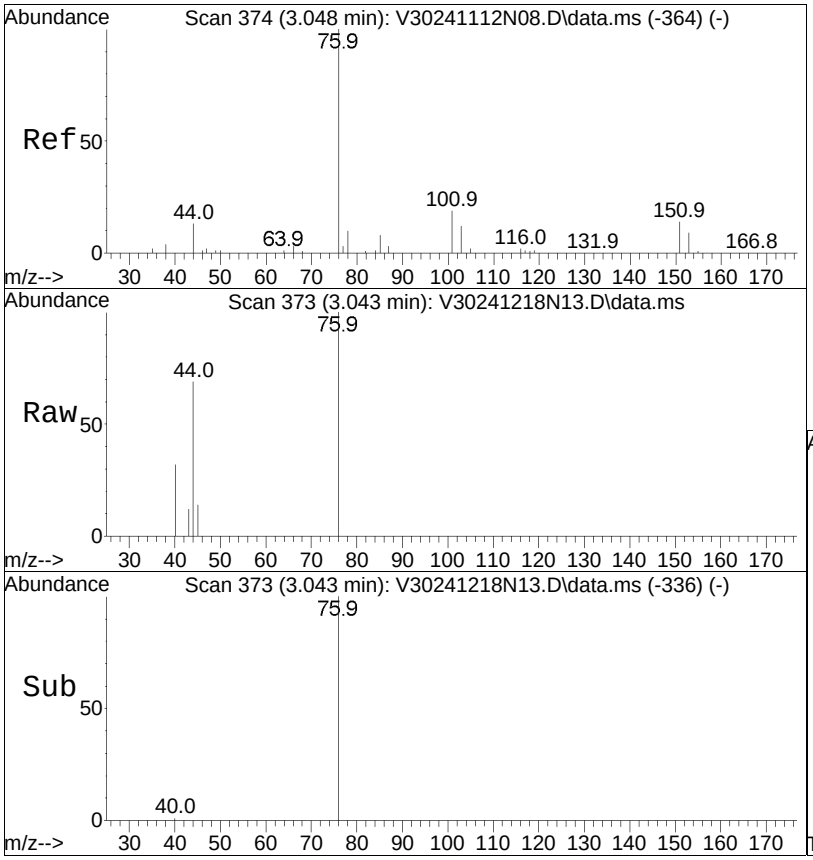


#7
Trichlorofluoromethane
Concen: 0.09 ug/L
RT: 2.524 min Scan# 274
Delta R.T. -0.000 min
Lab File: V30241218N13.D
Acq: 18 Dec 2024 09:54 pm

Tgt Ion:101 Resp: 1092

Ion	Ratio	Lower	Upper
101	100		
103	58.4	51.0	76.4

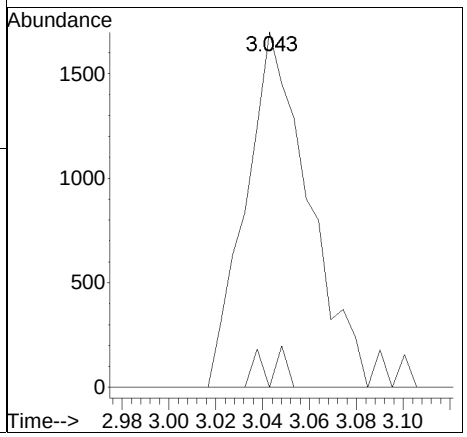


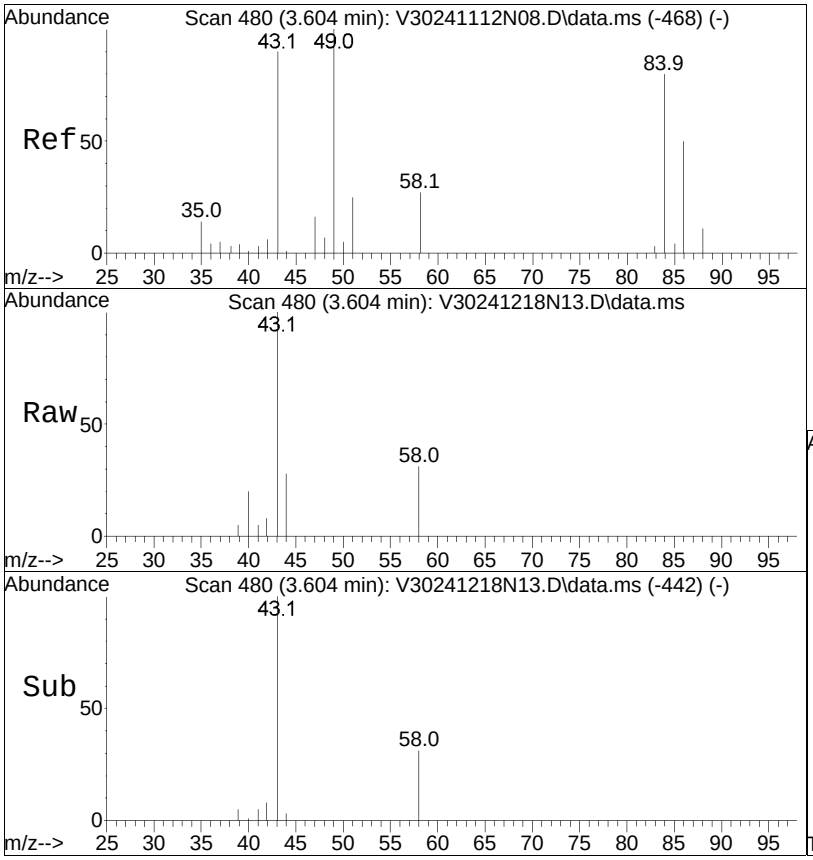


#11
Carbon disulfide
Concen: 0.14 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N13.D
Acq: 18 Dec 2024 09:54 pm

Tgt Ion: 76 Resp: 3175

Ion	Ratio	Lower	Upper
76	100		
78	3.8	6.4	13.4#

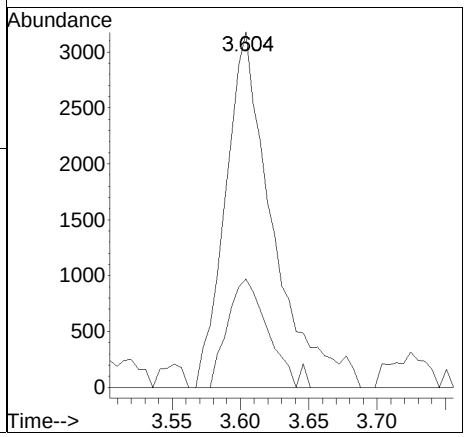


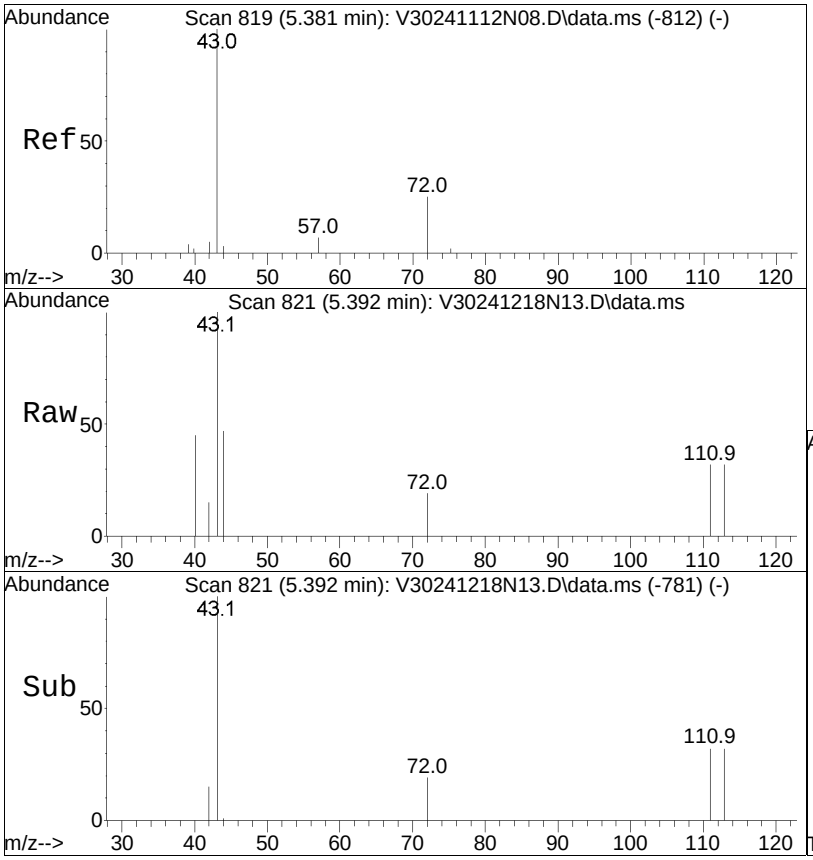


#17
Acetone
Concen: 4.41 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241218N13.D
Acq: 18 Dec 2024 09:54 pm

Tgt Ion: 43 Resp: 7629

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.1	30.1

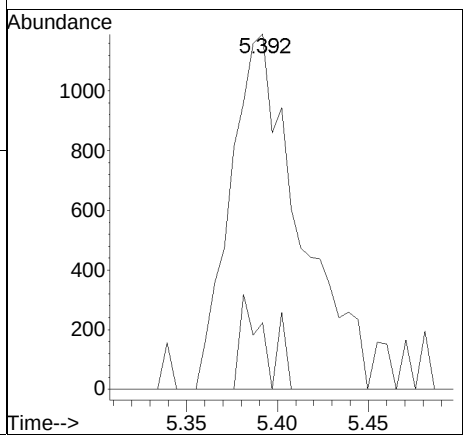


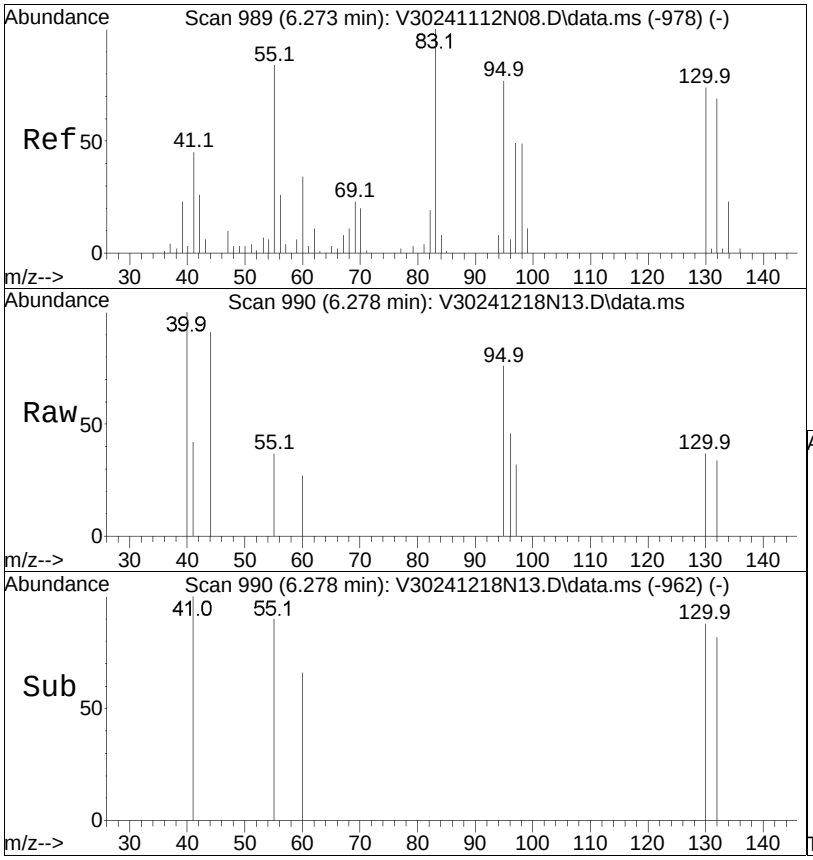


#42
2-Butanone
Concen: 1.83 ug/L
RT: 5.392 min Scan# 821
Delta R.T. 0.011 min
Lab File: V30241218N13.D
Acq: 18 Dec 2024 09:54 pm

Tgt Ion: 43 Resp: 3135

Ion	Ratio	Lower	Upper
43	100		
72	7.2	18.2	27.4#

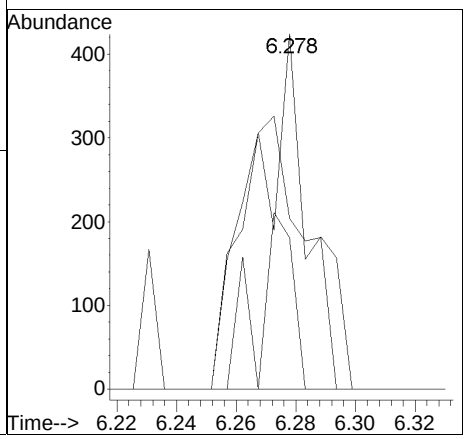


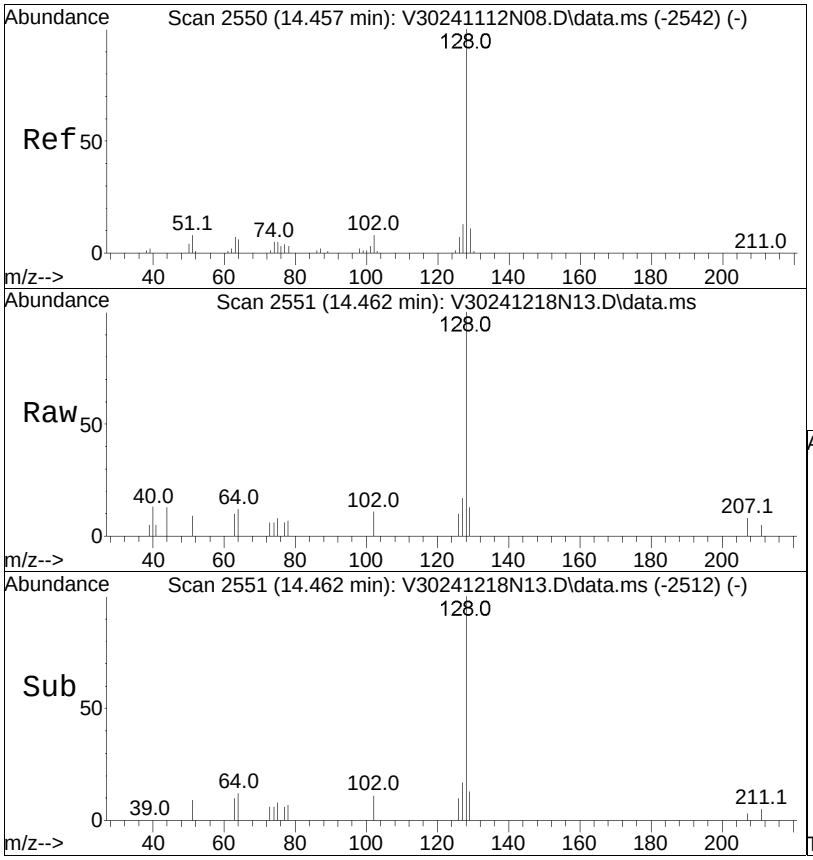


#52
Trichloroethene
Concen: 0.09 ug/L
RT: 6.278 min Scan# 990
Delta R.T. 0.005 min
Lab File: V30241218N13.D
Acq: 18 Dec 2024 09:54 pm

Tgt Ion: 95 Resp: 564

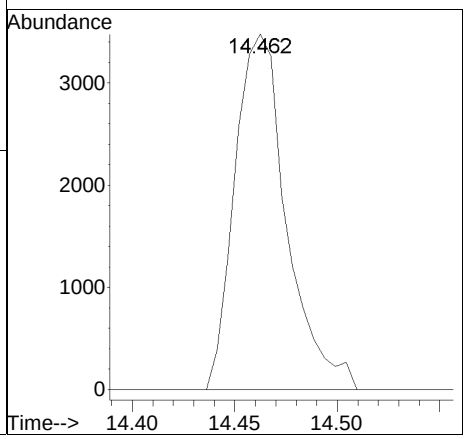
Ion	Ratio	Lower	Upper
95	100		
97	30.7	53.8	80.6#
130	86.3	71.4	107.0





#115
Naphthalene
Concen: 0.24 ug/L
RT: 14.462 min Scan# 2551
Delta R.T. 0.005 min
Lab File: V30241218N13.D
Acq: 18 Dec 2024 09:54 pm

Tgt Ion:128 Resp: 6123



Manual Integration Report

Data Path	: K:\VOA130\2024\241218N\	QMethod	: V130_241112N_8260D.m
Data File	: V30241218N13.D	Operator	: VOA130:MJV
Date Inj'd	: 12/18/2024 9:54 pm	Instrument	: VOA130
Sample	: L2473190-04,31,10,10,,A	Quant Date	: 12/19/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N14.D
Acq On : 18 Dec 2024 10:16 pm
Operator : VOA130:MJV
Sample : L2473190-03,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 10:33:35 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.089	96	364977	10.000 ug/L	0.00
Standard Area 1 = 523400			Recovery =	69.73%	
63) Chlorobenzene-d5	9.633	117	341701	10.000 ug/L	0.00
Standard Area 1 = 431183			Recovery =	79.25%	
84) 1,4-Dichlorobenzene-d4	12.323	152	212740	10.000 ug/L	0.00
Standard Area 1 = 274323			Recovery =	77.55%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.271	113	149430	11.911 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	119.11%	
47) 1,2-Dichloroethane-d4	5.795	65	130882	10.418 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.18%	
64) Toluene-d8	7.788	98	434736	9.484 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.84%	
88) 4-Bromofluorobenzene	11.117	95	183890	10.009 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.09%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.858	50	350	N.D.	
4) Vinyl chloride	1.942	62	50	N.D.	
5) Bromomethane	2.303	94	55	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.043	76	2378	0.104 ug/L #	79
15) Methylene chloride	3.572	84	169	N.D.	
17) Acetone	3.599	43	2973	0.534 ug/L #	84
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.385	43	60	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	5.103	83	107	N.D.	

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N14.D
Acq On : 18 Dec 2024 10:16 pm
Operator : VOA130:MJV
Sample : L2473190-03,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 10:33:35 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.			
40) 1,1,1-Trichloroethane	0.000		0	N.D.			
42) 2-Butanone	5.392	43	3154	1.840	ug/L	#	67
43) 1,1-Dichloropropene	0.000		0	N.D.			
45) Benzene	0.000		0	N.D.			
48) 1,2-Dichloroethane	0.000		0	N.D.			
52) Trichloroethene	6.199	95	154	N.D.			
54) Dibromomethane	0.000		0	N.D.			
55) 1,2-Dichloropropane	0.000		0	N.D.			
58) Bromodichloromethane	0.000		0	N.D.			
61) 1,4-Dioxane	0.000		0	N.D.			
62) cis-1,3-Dichloropropene	0.000		0	N.D.			
65) Toluene	7.845	92	59	N.D.			
66) 4-Methyl-2-pentanone	0.000		0	N.D.			
67) Tetrachloroethene	0.000		0	N.D.			
69) trans-1,3-Dichloropropene	0.000		0	N.D.			
72) 1,1,2-Trichloroethane	0.000		0	N.D.			
73) Chlorodibromomethane	0.000		0	N.D.			
74) 1,3-Dichloropropane	0.000		0	N.D.			
75) 1,2-Dibromoethane	0.000		0	N.D.			
77) 2-Hexanone	0.000		0	N.D.			
78) Chlorobenzene	9.649	112	49	N.D.			
79) Ethylbenzene	9.633	91	769	N.D.			
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
81) p/m Xylene	0.000		0	N.D.			
82) o Xylene	0.000		0	N.D.			
83) Styrene	0.000		0	N.D.			
85) Bromoform	0.000		0	N.D.			
87) Isopropylbenzene	0.000		0	N.D.			
89) Bromobenzene	0.000		0	N.D.			
90) n-Propylbenzene	11.295	91	51	N.D.			
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
93) 4-Ethyltoluene	0.000		0	N.D.			
94) 2-Chlorotoluene	11.295	91	51	N.D.			
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
96) 1,2,3-Trichloropropane	11.626	75	66	N.D.			
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
98) 4-Chlorotoluene	0.000		0	N.D.			
99) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N14.D
Acq On : 18 Dec 2024 10:16 pm
Operator : VOA130:MJV
Sample : L2473190-03,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 10:33:35 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.334	146	100		N.D.	
106) 1,4-Dichlorobenzene	12.334	146	100		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.617	91	49		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	14.462	128	1248		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

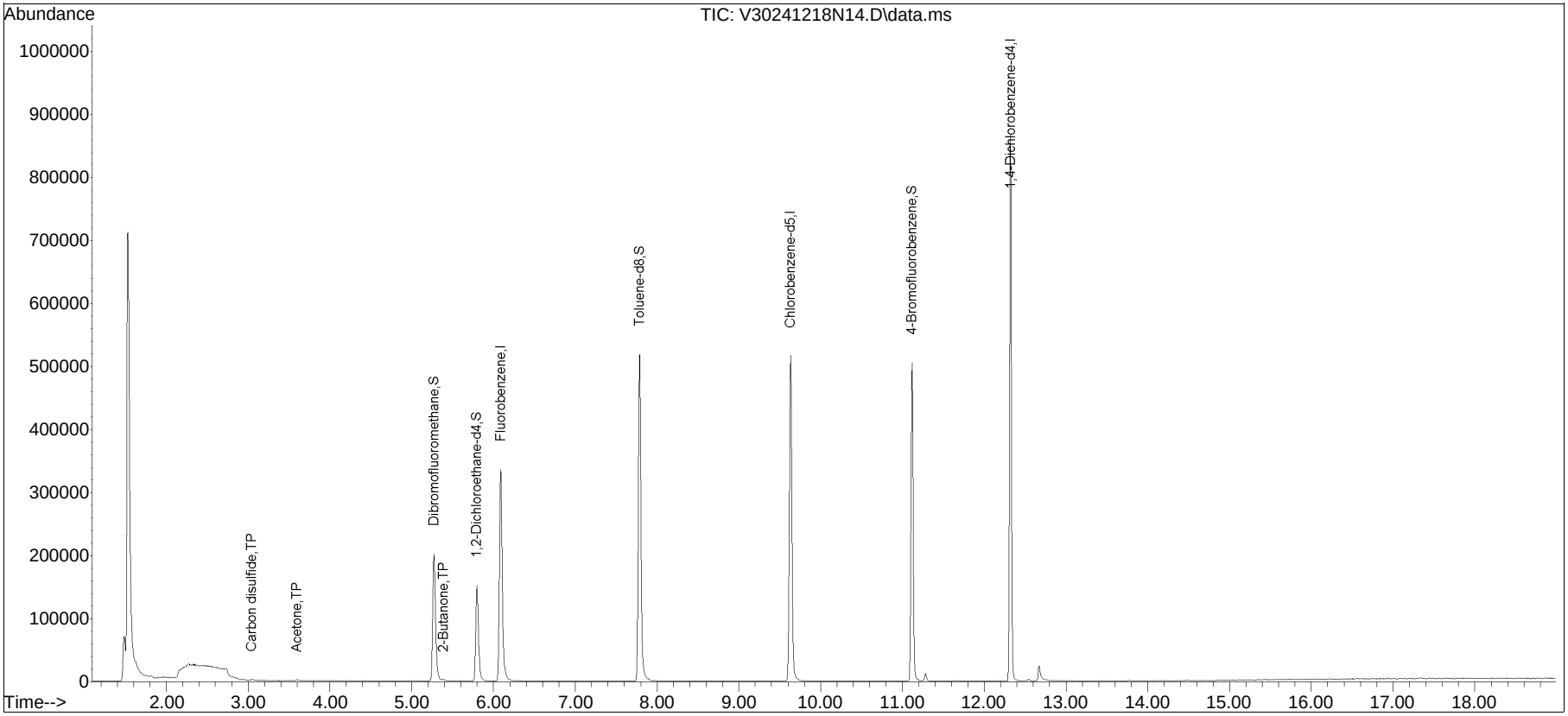
(#) = qualifier out of range (m) = manual integration (+) = signals summed

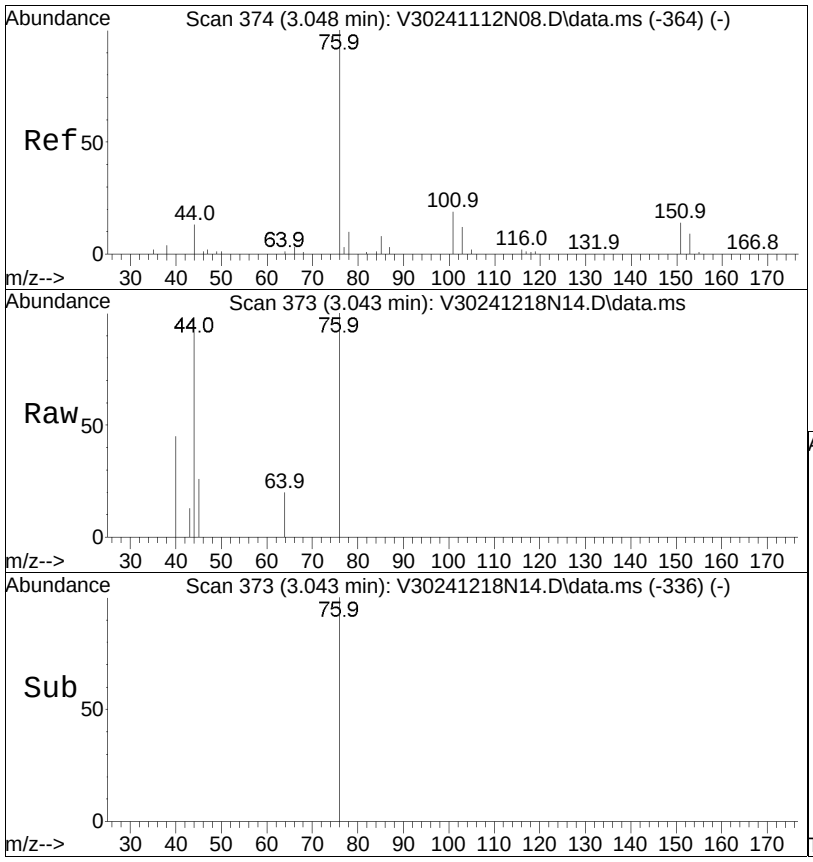
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N14.D
Acq On : 18 Dec 2024 10:16 pm
Operator : VOA130:MJV
Sample : L2473190-03,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 10:33:35 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N02.D•

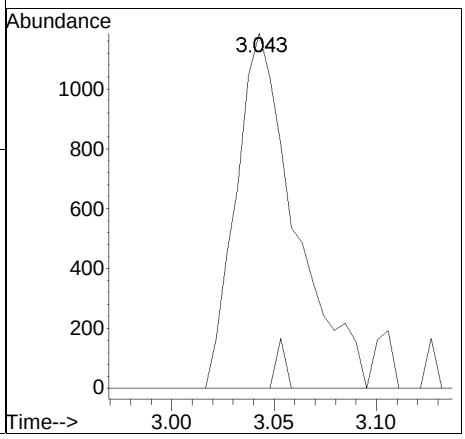


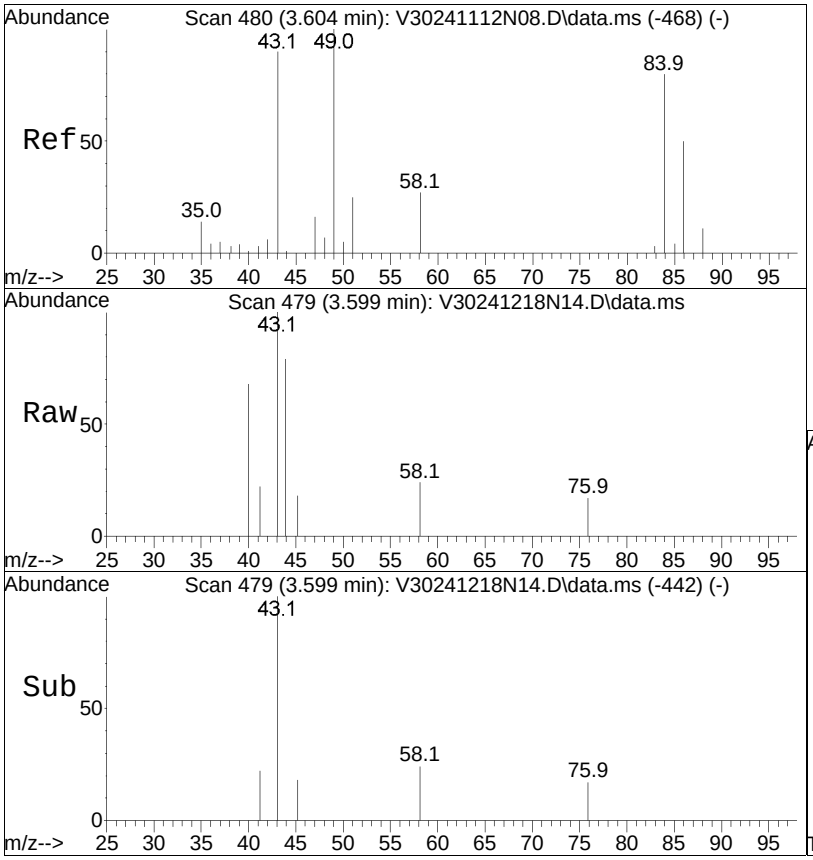


#11
Carbon disulfide
Concen: 0.10 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N14.D
Acq: 18 Dec 2024 10:16 pm

Tgt Ion: 76 Resp: 2378

Ion	Ratio	Lower	Upper
76	100		
78	2.2	6.4	13.4#

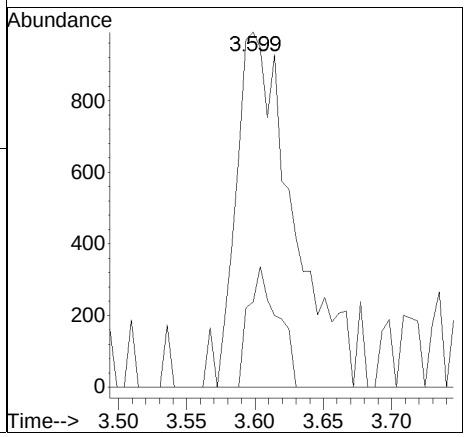


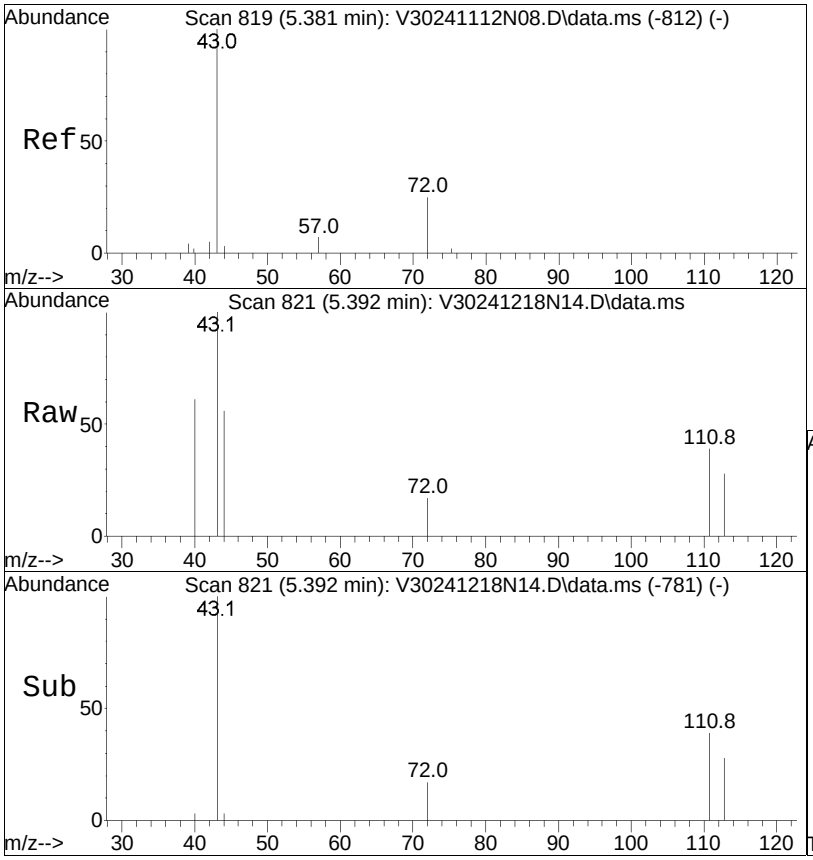


#17
Acetone
Concen: 0.53 ug/L
RT: 3.599 min Scan# 479
Delta R.T. -0.005 min
Lab File: V30241218N14.D
Acq: 18 Dec 2024 10:16 pm

Tgt Ion: 43 Resp: 2973

Ion	Ratio	Lower	Upper
43	100		
58	16.9	20.1	30.1#

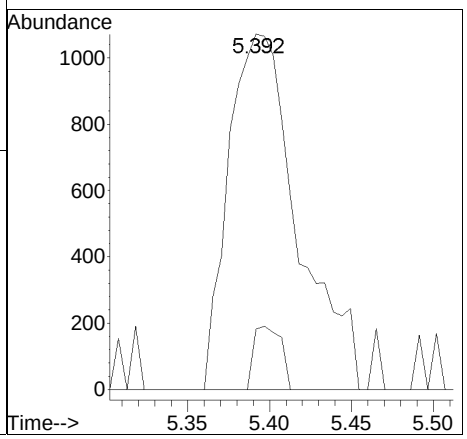




#42
2-Butanone
Concen: 1.84 ug/L
RT: 5.392 min Scan# 821
Delta R.T. 0.011 min
Lab File: V30241218N14.D
Acq: 18 Dec 2024 10:16 pm

Tgt Ion: 43 Resp: 3154

Ion	Ratio	Lower	Upper
43	100		
72	7.0	18.2	27.4#



Manual Integration Report

Data Path	: K:\VOA130\2024\241218N\	QMethod	: V130_241112N_8260D.m
Data File	: V30241218N14.D	Operator	: VOA130:MJV
Date Inj'd	: 12/18/2024 10:16 pm	Instrument	: VOA130
Sample	: L2473190-03,31,10,10,,A	Quant Date	: 12/19/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N15.D
Acq On : 18 Dec 2024 10:38 pm
Operator : VOA130:MJV
Sample : L2473190-02,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 10:34:52 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	397476	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery =	75.94%		
63) Chlorobenzene-d5	9.633	117	344427	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery =	79.88%		
84) 1,4-Dichlorobenzene-d4	12.323	152	228908	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery =	83.44%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	155139	11.355	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.55%		
47) 1,2-Dichloroethane-d4	5.795	65	136408	9.970	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.70%		
64) Toluene-d8	7.783	98	446643	9.667	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.67%		
88) 4-Bromofluorobenzene	11.117	95	187793	9.499	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.99%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.868	50	423	N.D.		
4) Vinyl chloride	1.937	62	53	N.D.		
5) Bromomethane	2.256	94	255	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	2.519	101	20053	1.555	ug/L	96
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.043	76	6985	0.280	ug/L	96
15) Methylene chloride	3.578	84	557	N.D.		
17) Acetone	3.604	43	24531	16.748	ug/L	91
18) trans-1,2-Dichloroethene	3.724	96	59	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	4.380	53	54	N.D.		
29) Vinyl acetate	4.537	43	290	N.D.		
30) cis-1,2-Dichloroethene	4.825	96	962	0.095	ug/L #	79
31) 2,2-Dichloropropane	5.046	77	56	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.093	83	308	N.D.		

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N15.D
Acq On : 18 Dec 2024 10:38 pm
Operator : VOA130:MJV
Sample : L2473190-02,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 10:34:52 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	5.428	97	58	N.D.		
42) 2-Butanone	5.381	43	2570	1.376	ug/L #	76
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	5.675	78	14796	0.499	ug/L	97
48) 1,2-Dichloroethane	5.864	62	516	N.D.		
52) Trichloroethene	6.278	95	2586	0.358	ug/L #	1
54) Dibromomethane	6.744	93	181	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D. d		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.840	92	6530	0.310	ug/L	95
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	8.302	166	59	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D. d		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	9.009	107	50	N.D.		
77) 2-Hexanone	9.266	43	65	N.D.		
78) Chlorobenzene	9.649	112	1910	0.085	ug/L #	1
79) Ethylbenzene	9.702	91	11378	0.275	ug/L	98
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	9.885	106	6631	0.398	ug/L	91
82) o Xylene	10.425	106	3956	0.247	ug/L	88
83) Styrene	10.499	104	2674	0.102	ug/L	98
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	10.803	105	27597	0.646	ug/L	97
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.280	91	10049	0.187	ug/L	100
92) 1,1,2,2-Tetrachloroethane	11.306	83	231	N.D.		
93) 4-Ethyltoluene	11.400	105	8018	0.180	ug/L	99
94) 2-Chlorotoluene	11.495	91	980	N.D.		
95) 1,3,5-Trimethylbenzene	11.495	105	5362	0.138	ug/L	98
96) 1,2,3-Trichloropropane	11.505	75	48	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
98) 4-Chlorotoluene	11.636	91	201	N.D.		
99) tert-Butylbenzene	11.836	119	4381	0.139	ug/L	99

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N15.D
Acq On : 18 Dec 2024 10:38 pm
Operator : VOA130:MJV
Sample : L2473190-02,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 10:34:52 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
102) 1,2,4-Trimethylbenzene	11.914	105	9110	0.241	ug/L		100
103) sec-Butylbenzene	12.030	105	11331	0.246	ug/L	#	72
104) p-Isopropyltoluene	12.182	119	7265	0.183	ug/L		90
105) 1,3-Dichlorobenzene	12.339	146	616	N.D.			
106) 1,4-Dichlorobenzene	12.339	146	616	N.D.			
107) p-Diethylbenzene	12.554	119	1701M6	0.073	ug/L		
108) n-Butylbenzene	12.617	91	2293	N.D.			
109) 1,2-Dichlorobenzene	0.000		0	N.D.			
110) 1,2,4,5-Tetramethylben...	13.346	119	16512	0.502	ug/L		97
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
113) Hexachlorobutadiene	0.000		0	N.D.			
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
115) Naphthalene	14.457	128	770463	28.008	ug/L		100
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

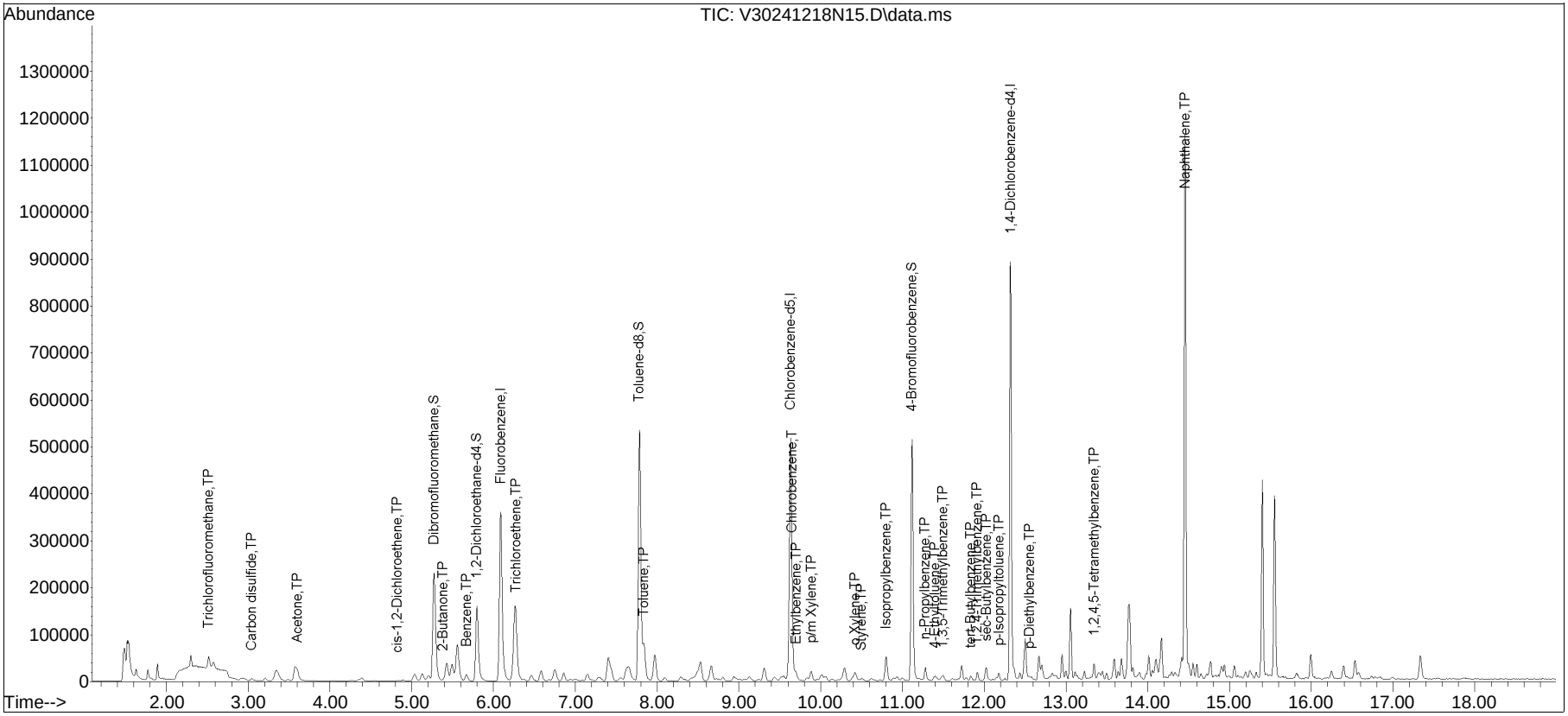
(#) = qualifier out of range (m) = manual integration (+) = signals summed

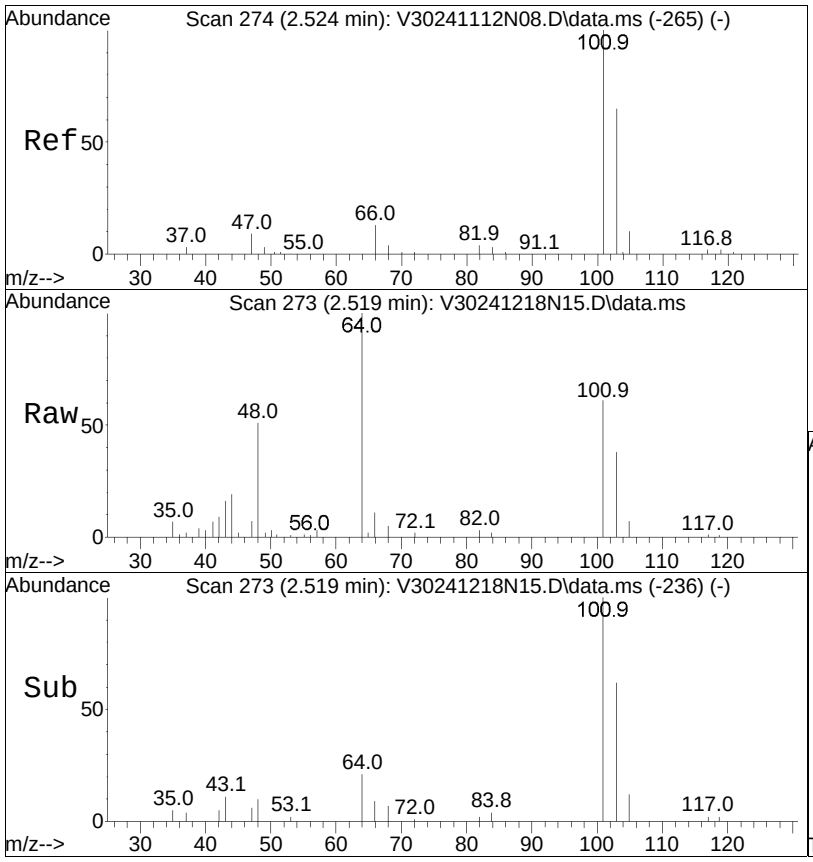
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N15.D
Acq On : 18 Dec 2024 10:38 pm
Operator : VOA130:MJV
Sample : L2473190-02,31,10,10,,A
Misc : WG2011328,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 10:34:52 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N02.D•

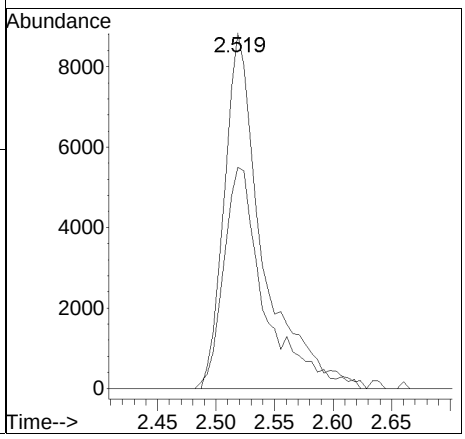


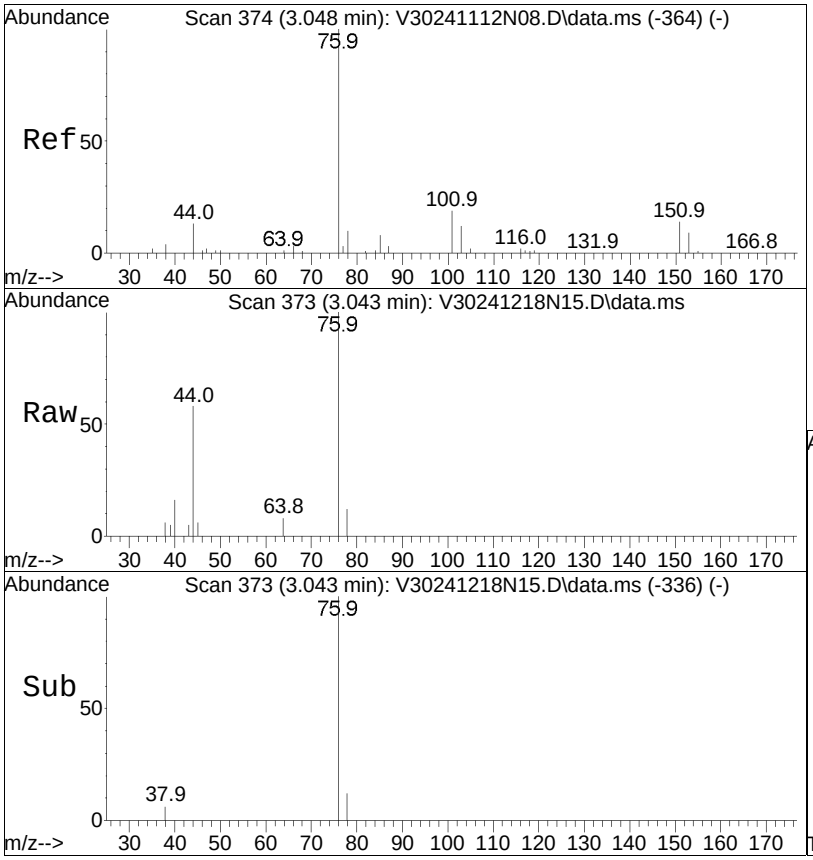


#7
Trichlorofluoromethane
Concen: 1.56 ug/L
RT: 2.519 min Scan# 273
Delta R.T. -0.006 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:101 Resp: 20053

Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.0	76.4

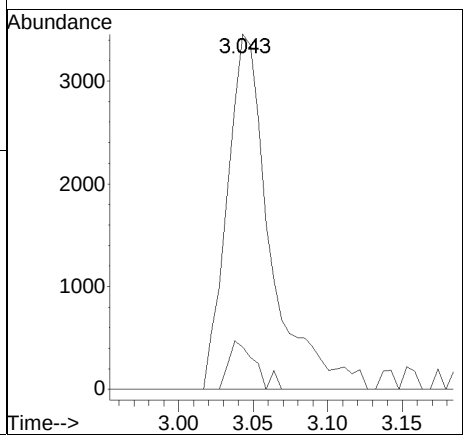


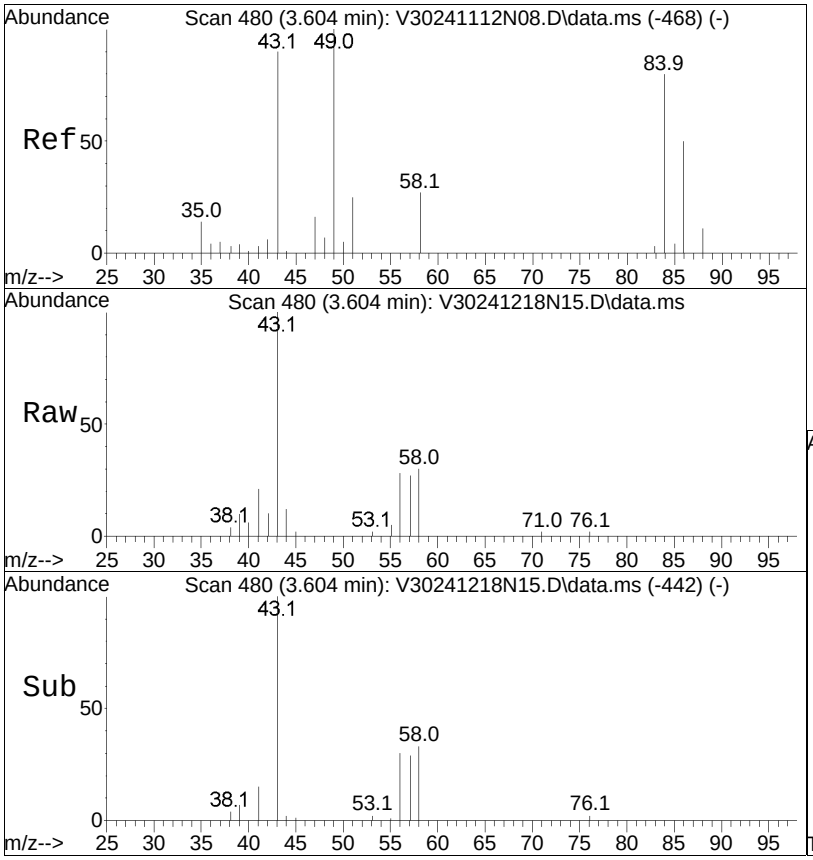


#11
Carbon disulfide
Concen: 0.28 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 76 Resp: 6985

Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.4	13.4

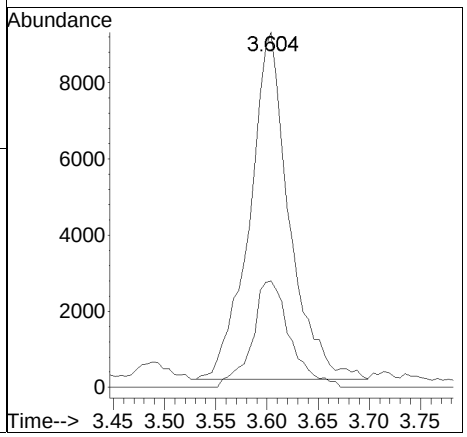


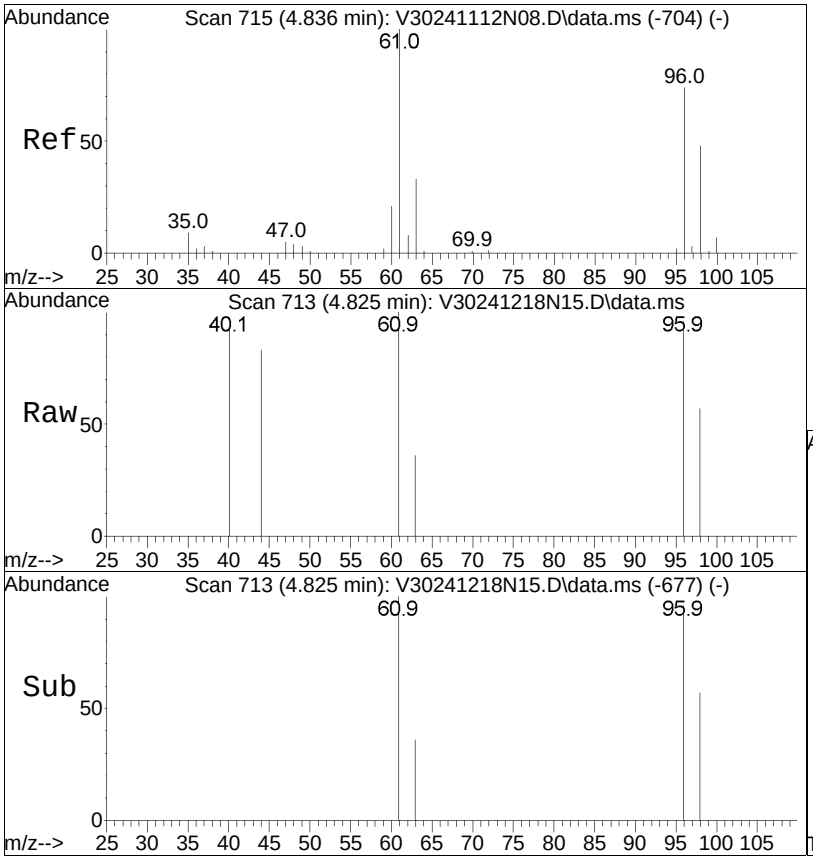


#17
Acetone
Concen: 16.75 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 43 Resp: 24531

Ion	Ratio	Lower	Upper
43	100		
58	29.5	20.1	30.1

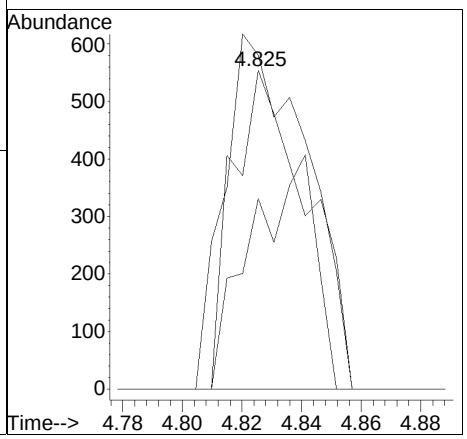


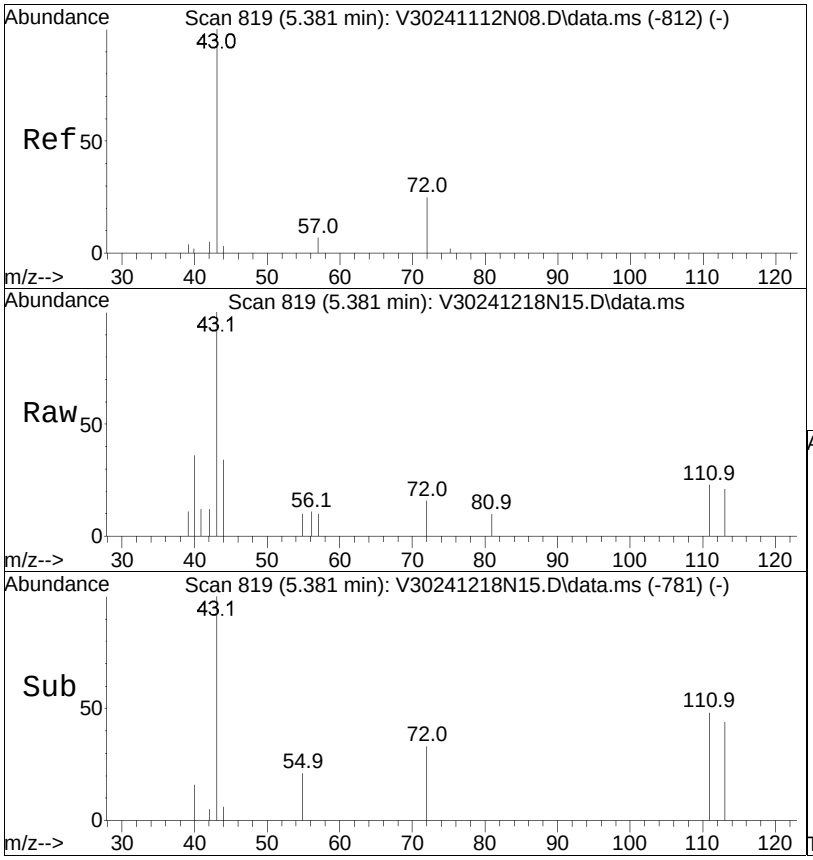


#30
cis-1,2-Dichloroethene
Concen: 0.10 ug/L
RT: 4.825 min Scan# 713
Delta R.T. -0.011 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 96 Resp: 962

Ion	Ratio	Lower	Upper
96	100		
61	123.1	129.3	193.9#
98	63.3	51.4	77.2

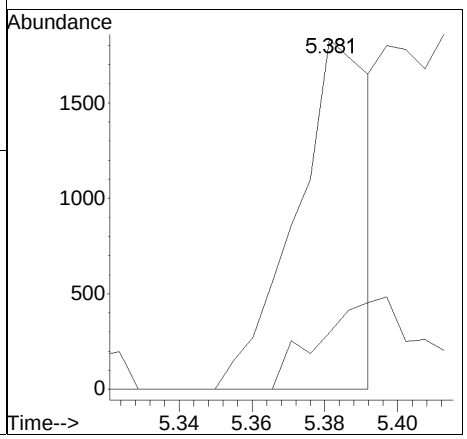


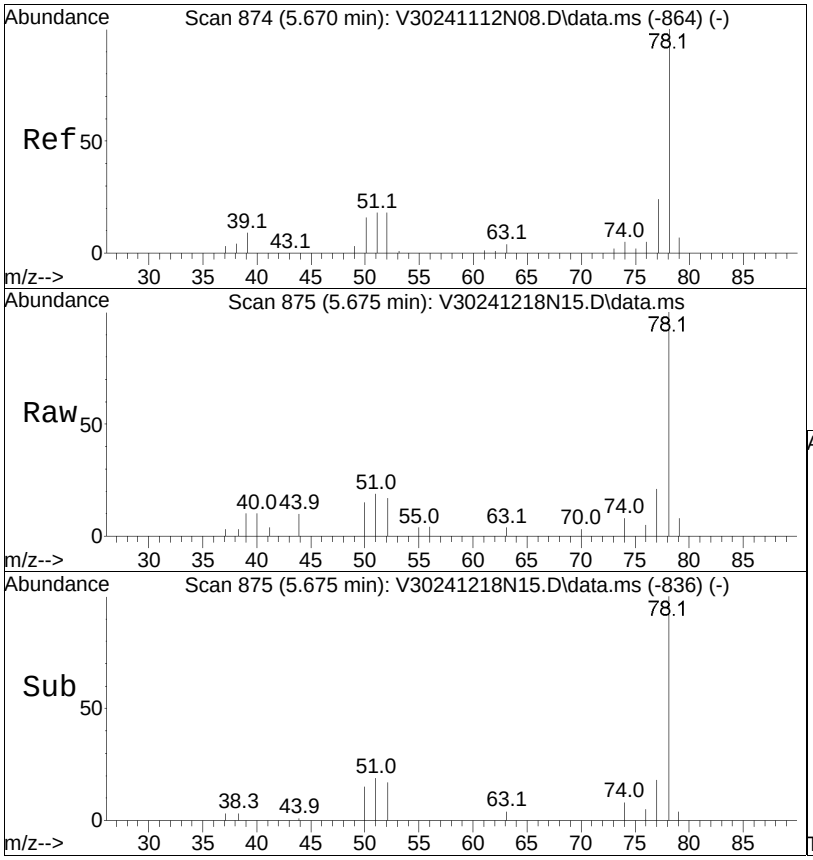


#42
2-Butanone
Concen: 1.38 ug/L
RT: 5.381 min Scan# 819
Delta R.T. 0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 43 Resp: 2570

Ion	Ratio	Lower	Upper
43	100		
72	34.4	18.2	27.4#

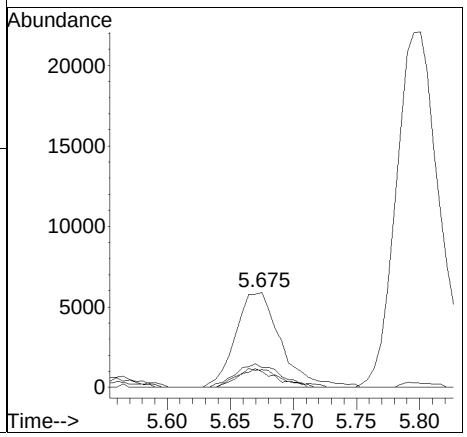


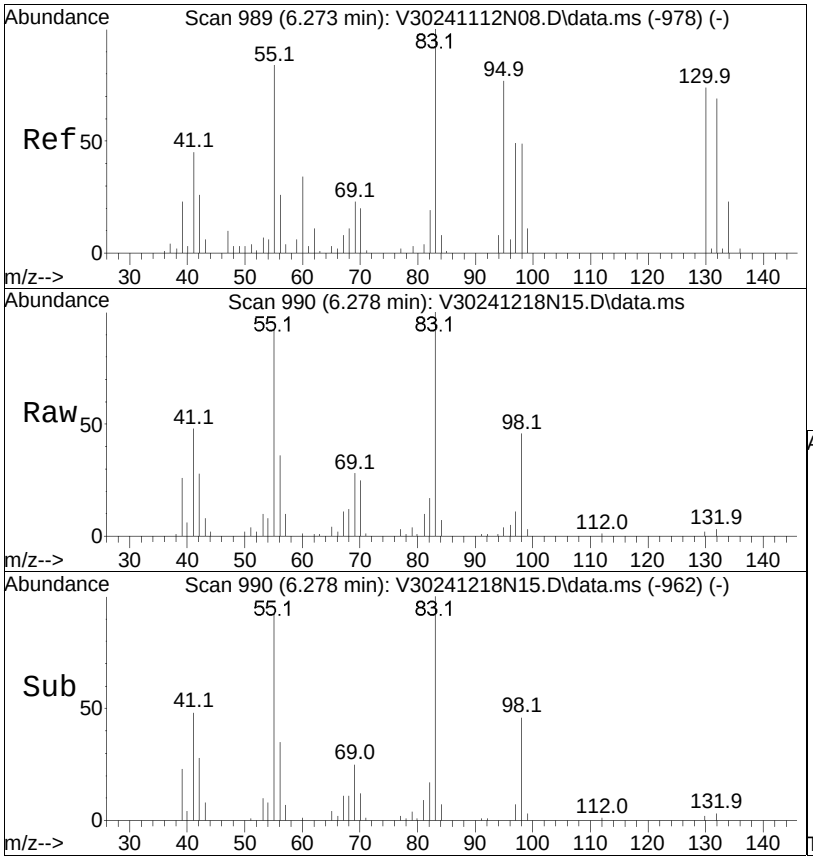


#45
Benzene
Concen: 0.50 ug/L
RT: 5.675 min Scan# 875
Delta R.T. 0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 78 Resp: 14796

Ion	Ratio	Lower	Upper
78	100		
77	25.3	15.6	32.4
51	18.5	12.9	26.7
52	17.2	12.4	25.7

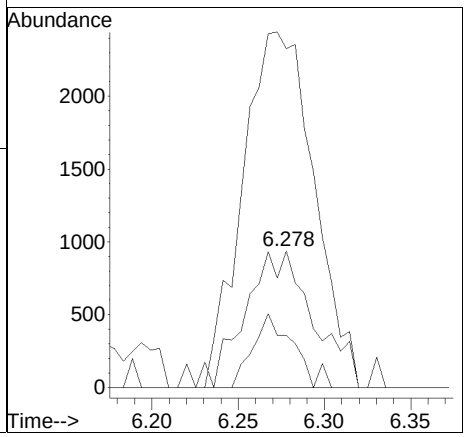


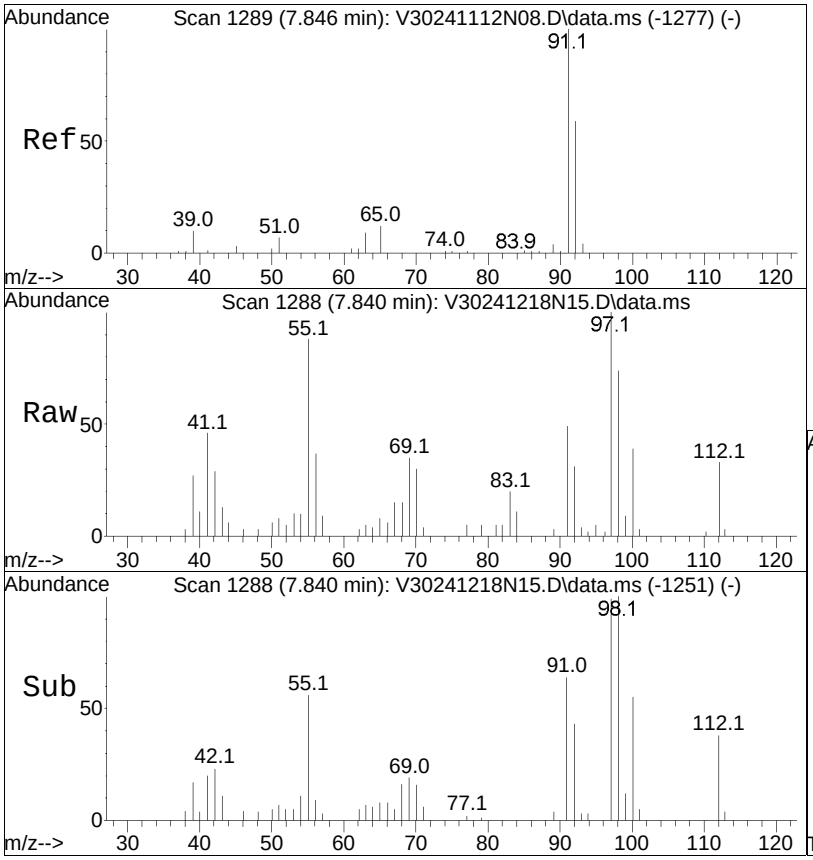


#52
Trichloroethene
Concen: 0.36 ug/L
RT: 6.278 min Scan# 990
Delta R.T. 0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 95 Resp: 2586

Ion	Ratio	Lower	Upper
95	100		
97	272.1	53.8	80.6#
130	31.9	71.4	107.0#

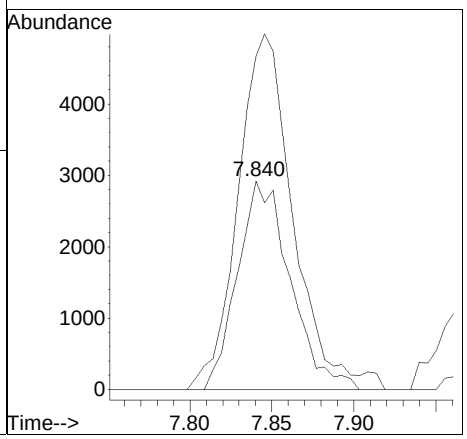


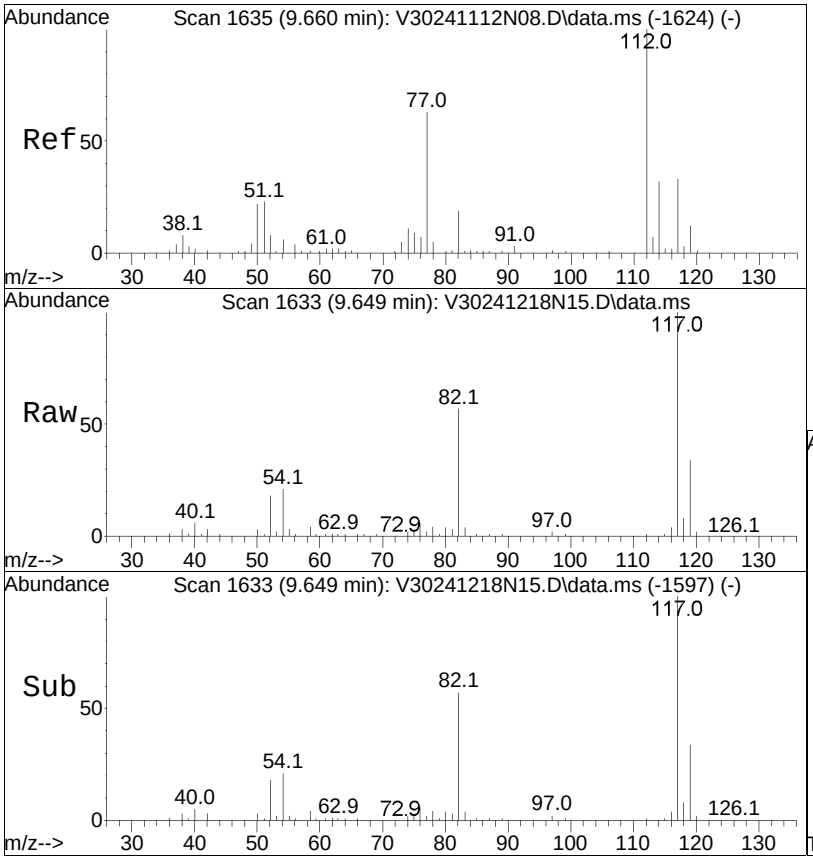


#65
Toluene
Concen: 0.31 ug/L
RT: 7.840 min Scan# 1288
Delta R.T. -0.006 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 92 Resp: 6530

Ion	Ratio	Lower	Upper
92	100		
91	178.5	137.5	206.3

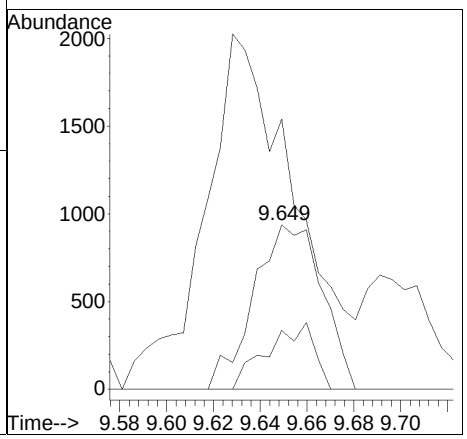


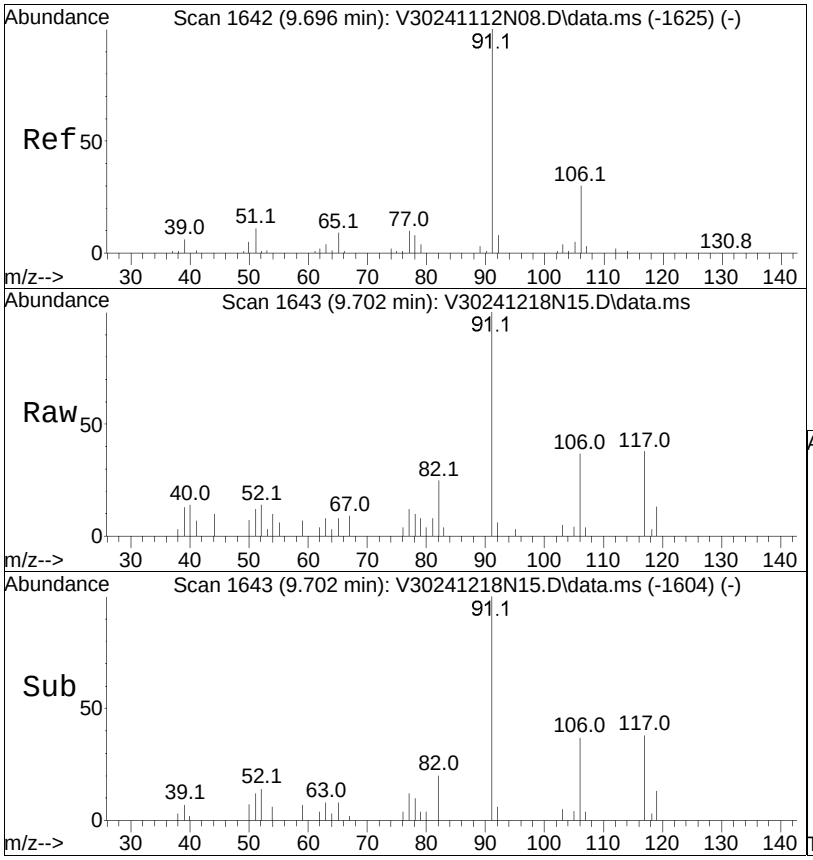


#78
Chlorobenzene
Concen: 0.09 ug/L
RT: 9.649 min Scan# 1633
Delta R.T. -0.011 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:112 Resp: 1910

Ion	Ratio	Lower	Upper
112	100		
77	284.7	54.8	82.2#
114	27.8	25.4	38.0

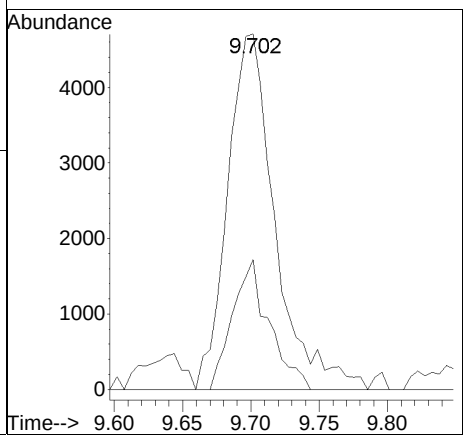


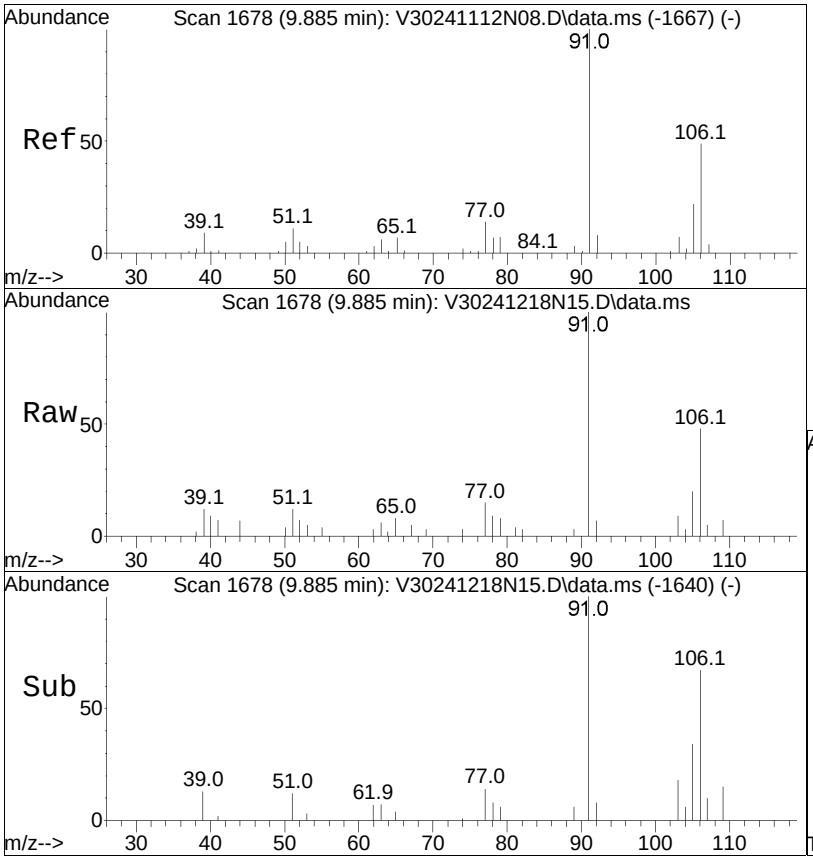


#79
Ethylbenzene
Concen: 0.27 ug/L
RT: 9.702 min Scan# 1643
Delta R.T. 0.006 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 91 Resp: 11378

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.4	35.2

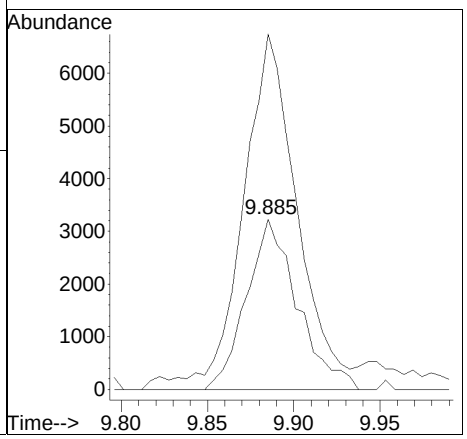


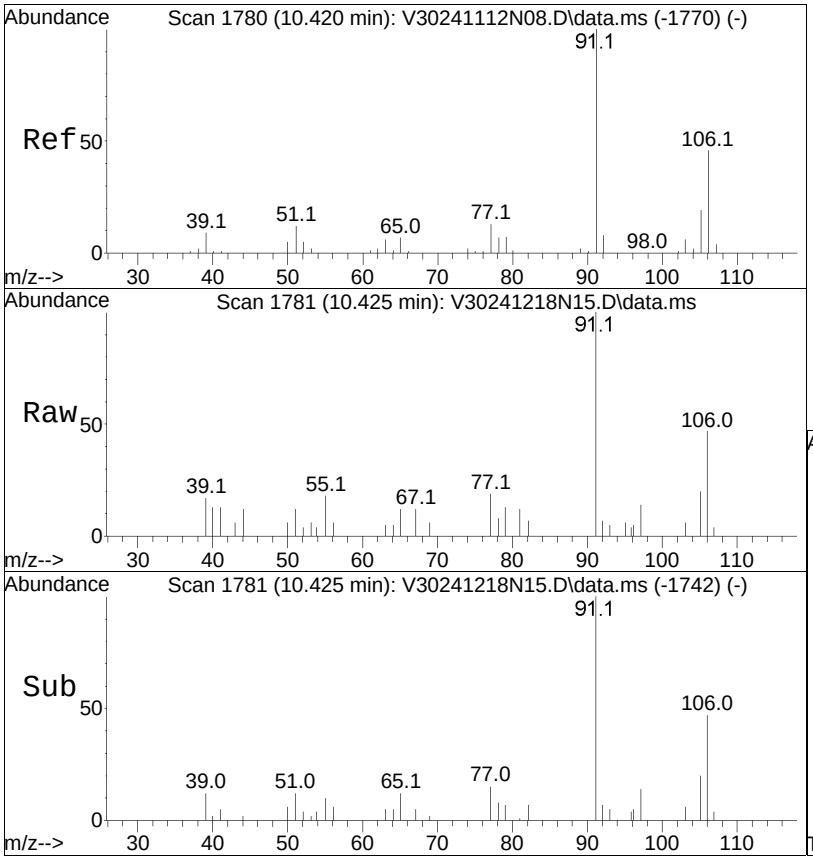


#81
p/m Xylene
Concen: 0.40 ug/L
RT: 9.885 min Scan# 1678
Delta R.T. 0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:106 Resp: 6631

Ion	Ratio	Lower	Upper
106	100		
91	199.3	171.4	257.2

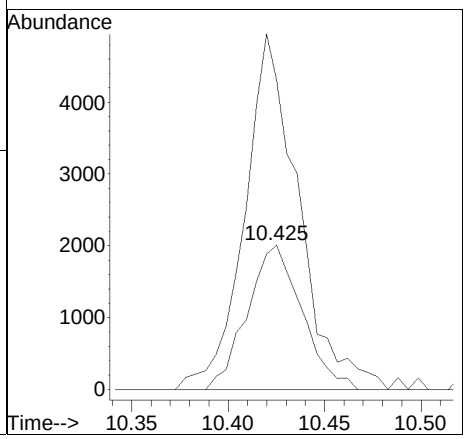


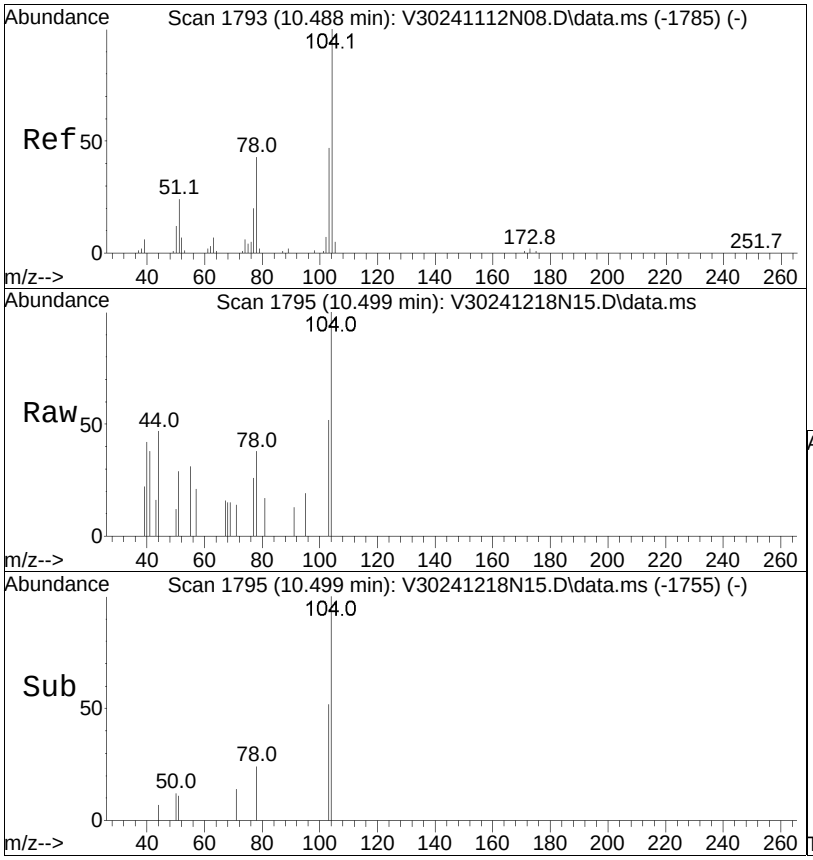


#82
o Xylene
Concen: 0.25 ug/L
RT: 10.425 min Scan# 1781
Delta R.T. 0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:106 Resp: 3956

Ion	Ratio	Lower	Upper
106	100		
91	243.4	179.2	268.8

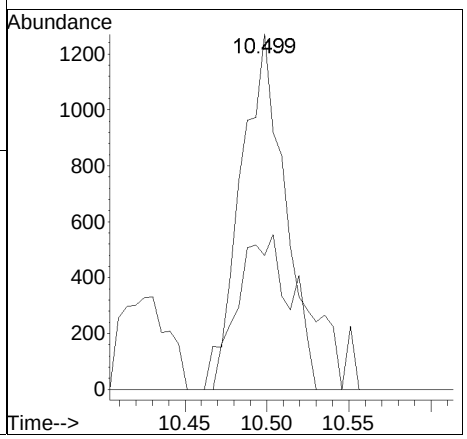


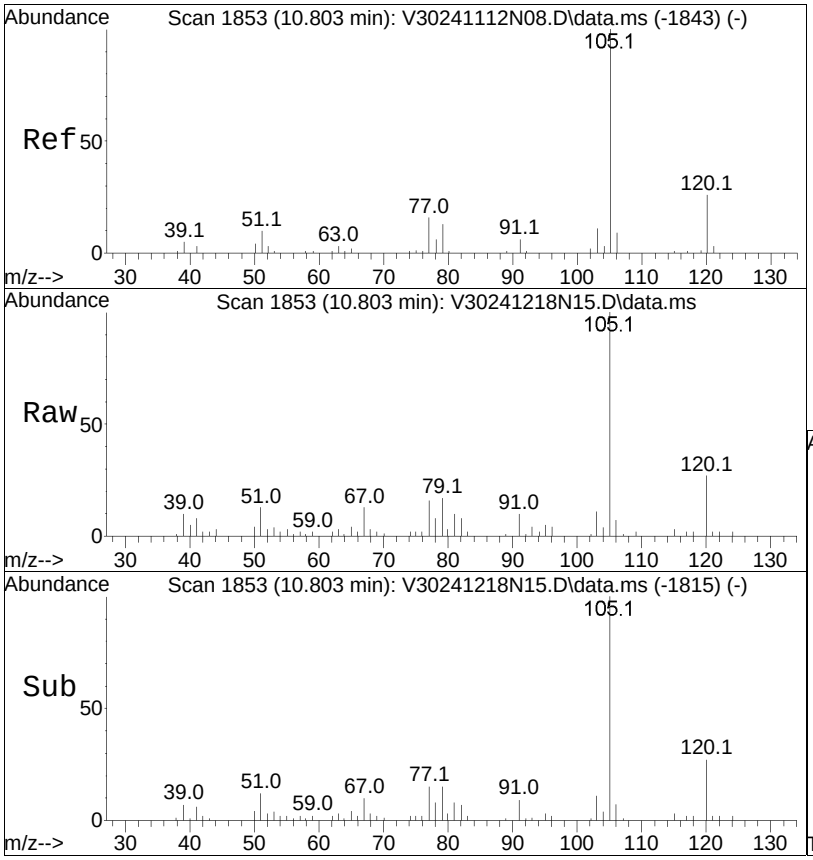


#83
Styrene
Concen: 0.10 ug/L
RT: 10.499 min Scan# 1795
Delta R.T. 0.011 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:104 Resp: 2674

Ion	Ratio	Lower	Upper
104	100		
78	46.6	38.1	57.1

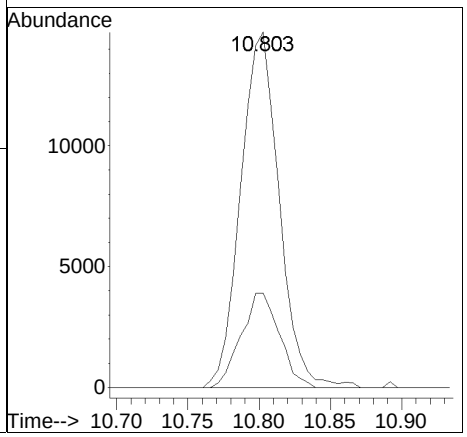


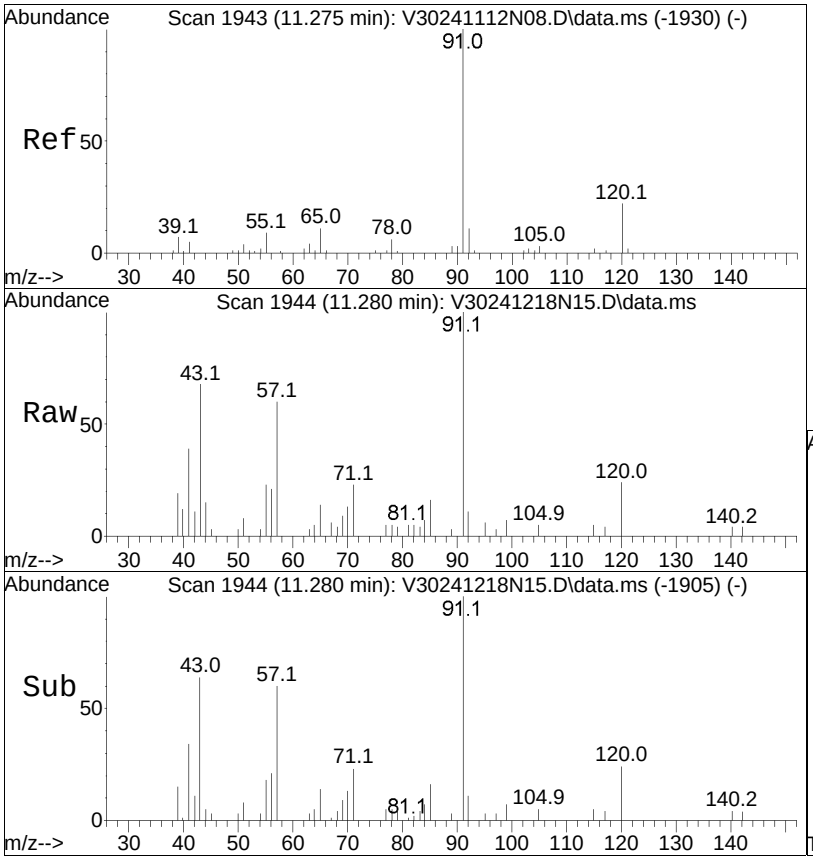


#87
Isopropylbenzene
Concen: 0.65 ug/L
RT: 10.803 min Scan# 1853
Delta R.T. -0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:105 Resp: 27597

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.0	30.0

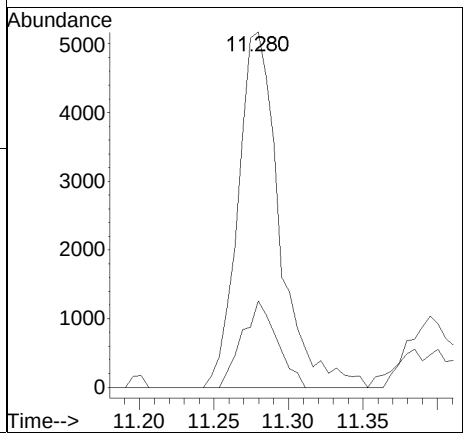


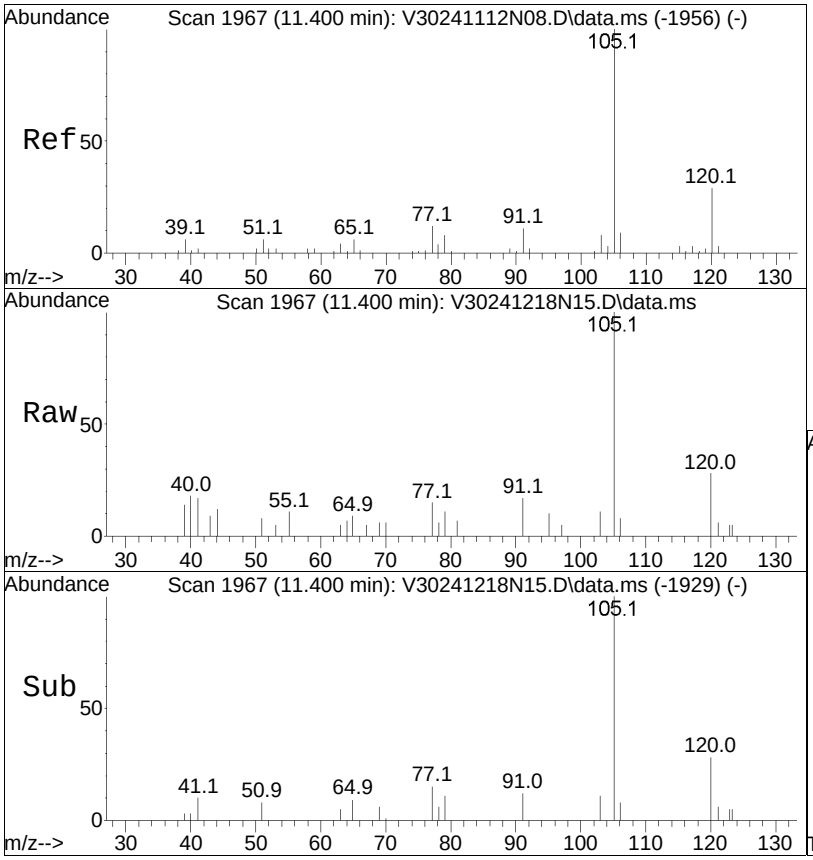


#90
n-Propylbenzene
Concen: 0.19 ug/L
RT: 11.280 min Scan# 1944
Delta R.T. 0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion: 91 Resp: 10049

Ion	Ratio	Lower	Upper
91	100		
120	20.5	16.3	24.5

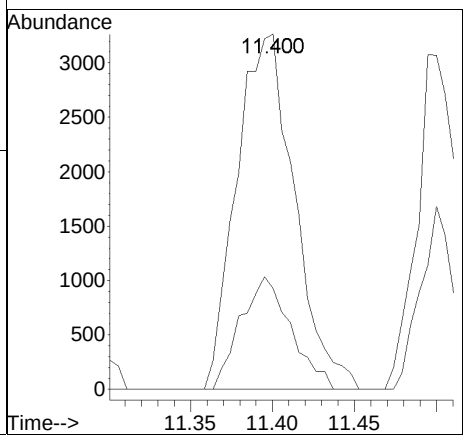


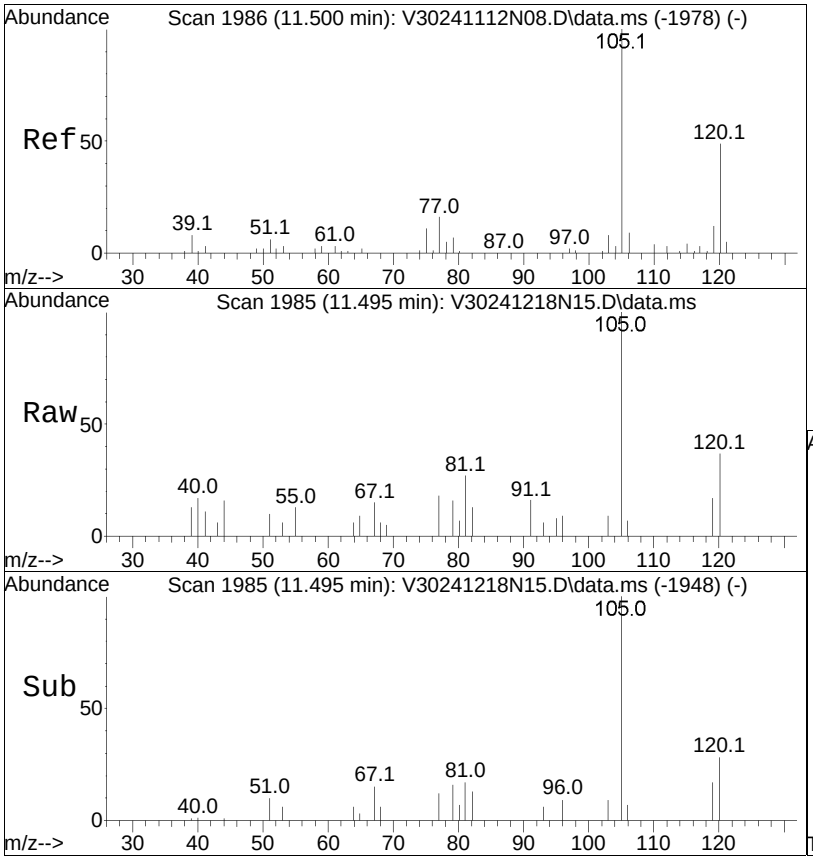


#93
4-Ethyltoluene
Concen: 0.18 ug/L
RT: 11.400 min Scan# 1967
Delta R.T. 0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:105 Resp: 8018

Ion	Ratio	Lower	Upper
105	100		
120	27.6	18.5	38.3

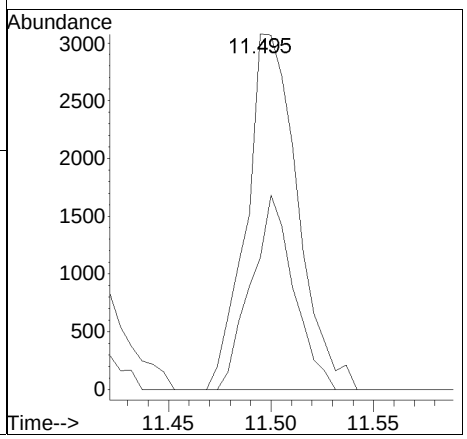


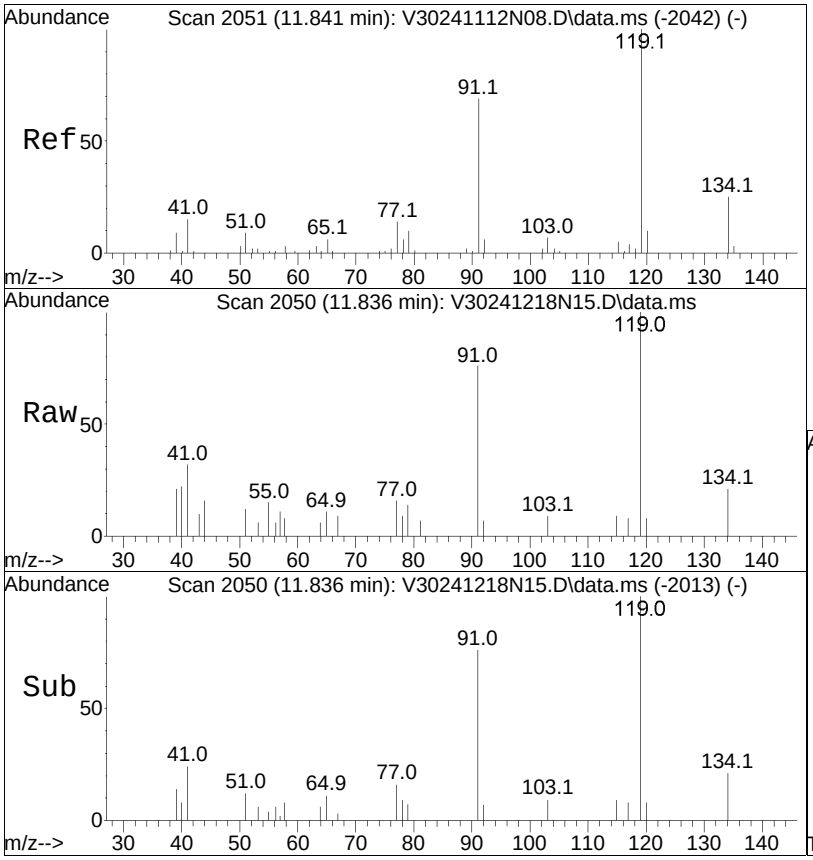


#95
1,3,5-Trimethylbenzene
Concen: 0.14 ug/L
RT: 11.495 min Scan# 1985
Delta R.T. -0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:105 Resp: 5362

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.8	56.6

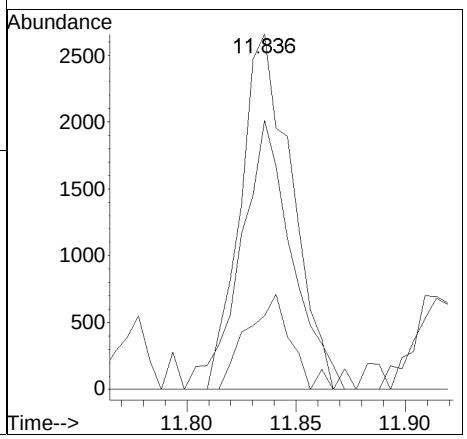


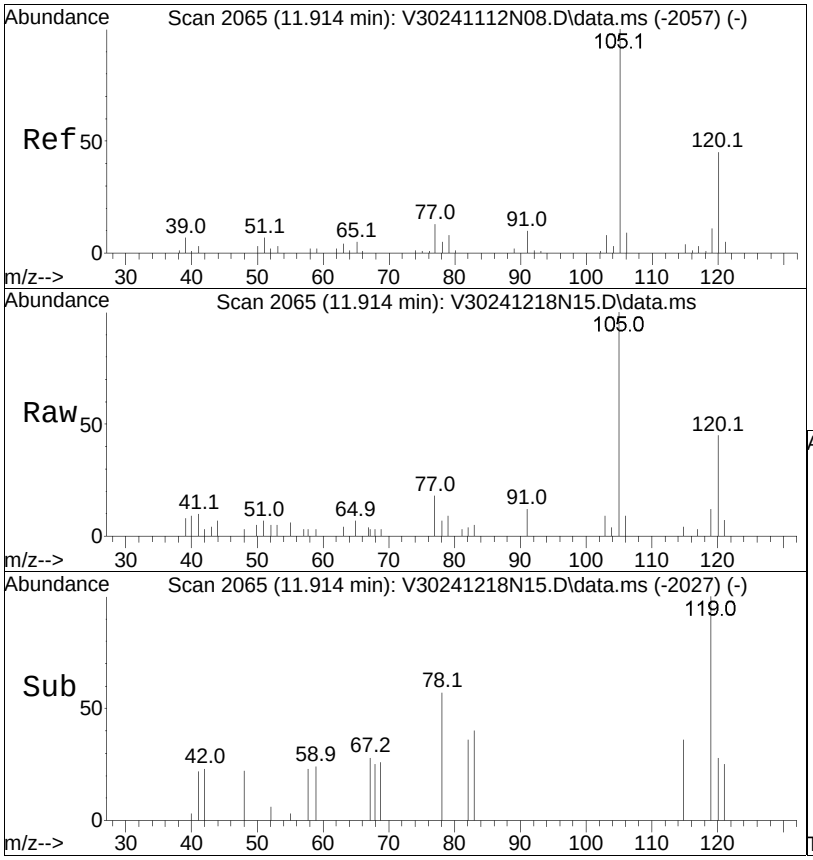


#99
tert-Butylbenzene
Concen: 0.14 ug/L
RT: 11.836 min Scan# 2050
Delta R.T. -0.005 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:119 Resp: 4381

Ion	Ratio	Lower	Upper
119	100		
91	74.9	58.8	88.2
134	22.8	18.6	27.8

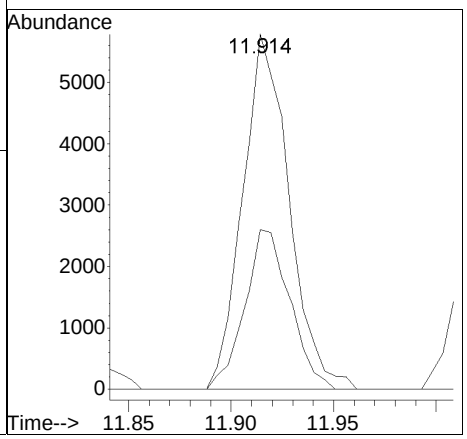


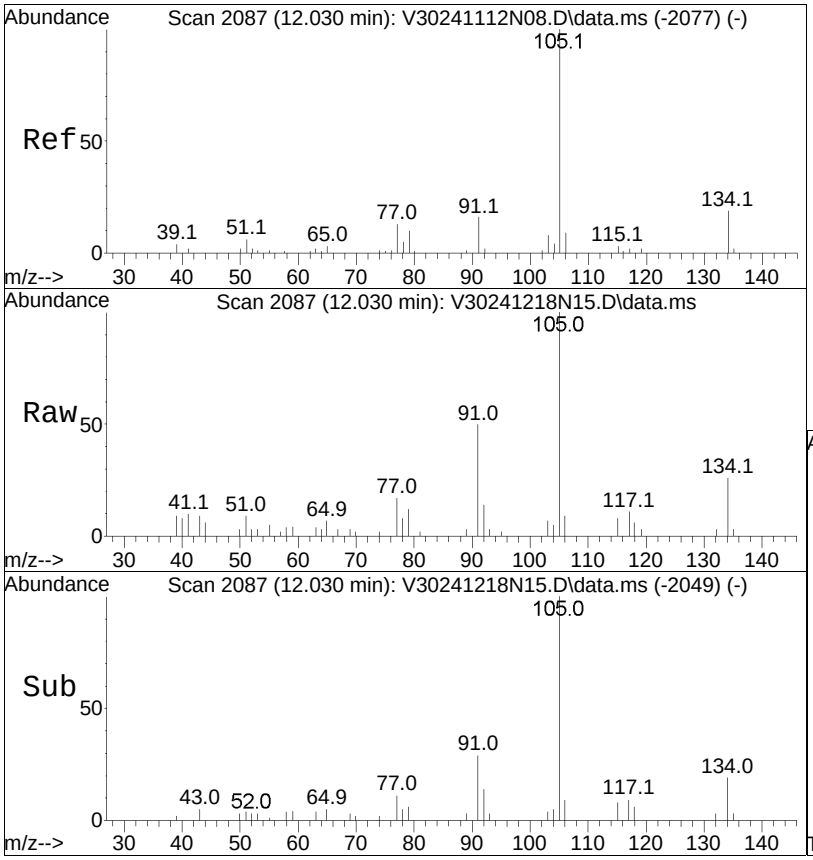


#102
1,2,4-Trimethylbenzene
Concen: 0.24 ug/L
RT: 11.914 min Scan# 2065
Delta R.T. 0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:105 Resp: 9110

Ion	Ratio	Lower	Upper
105	100		
120	43.9	35.2	52.8

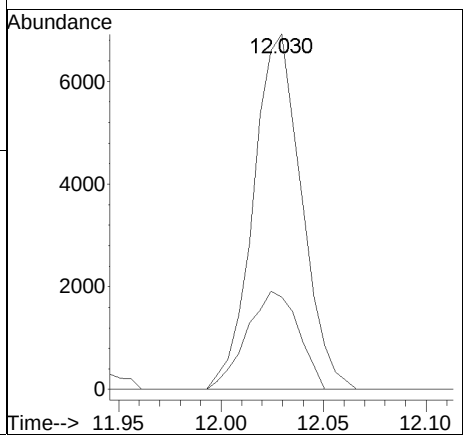


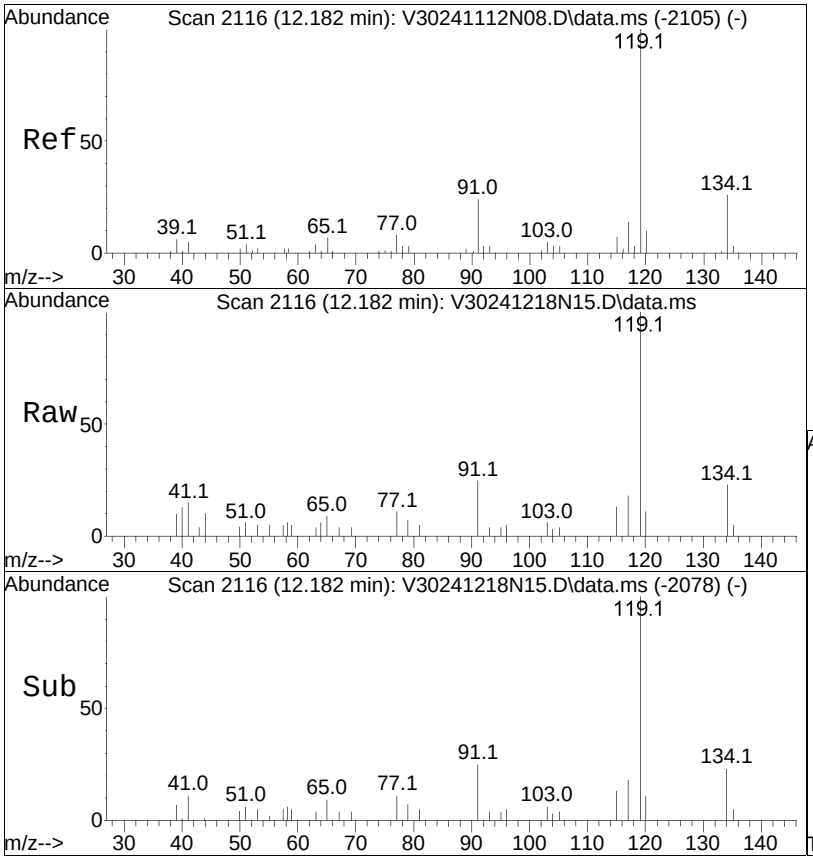


#103
sec-Butylbenzene
Concen: 0.25 ug/L
RT: 12.030 min Scan# 2087
Delta R.T. -0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:105 Resp: 11331

Ion	Ratio	Lower	Upper
105	100		
134	29.7	11.4	23.6#

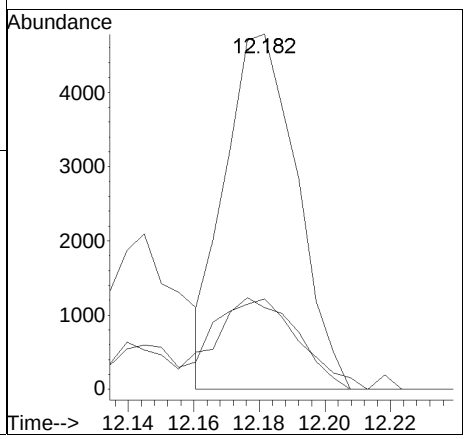


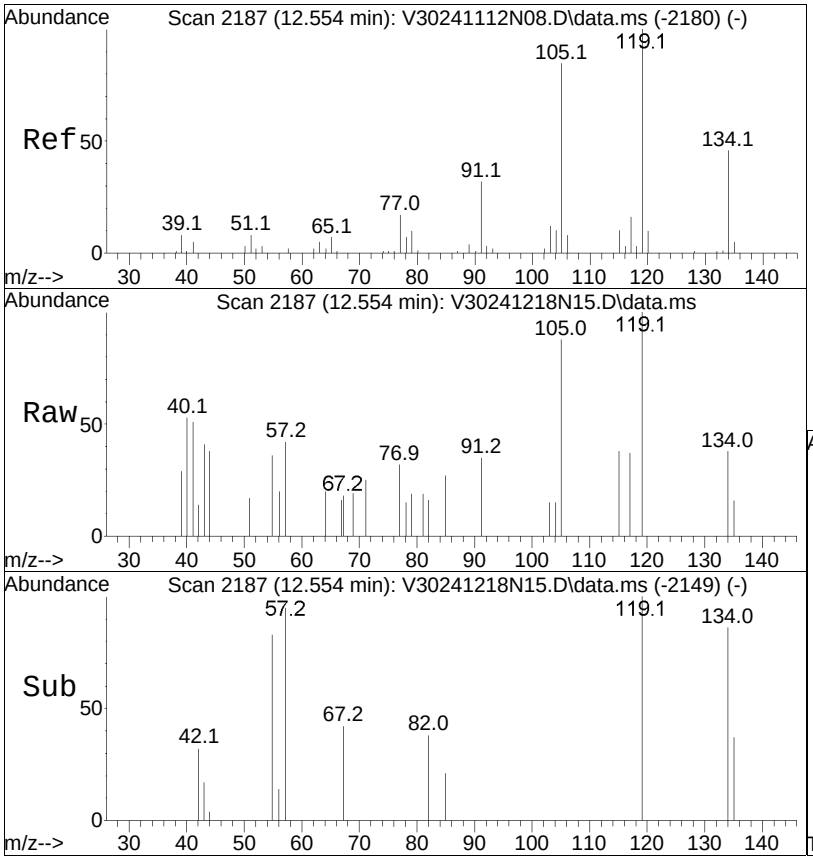


#104
p-Isopropyltoluene
Concen: 0.18 ug/L
RT: 12.182 min Scan# 2116
Delta R.T. -0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:119 Resp: 7265

Ion	Ratio	Lower	Upper
119	100		
134	29.2	15.9	33.1
91	30.9	16.6	34.4

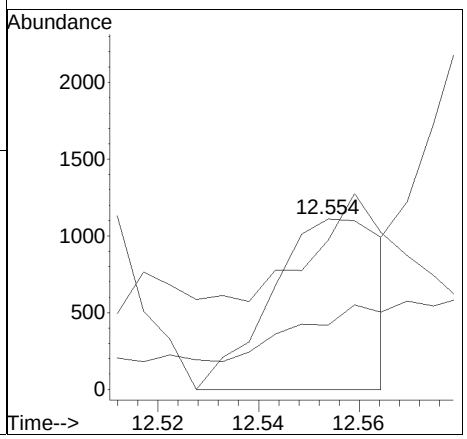


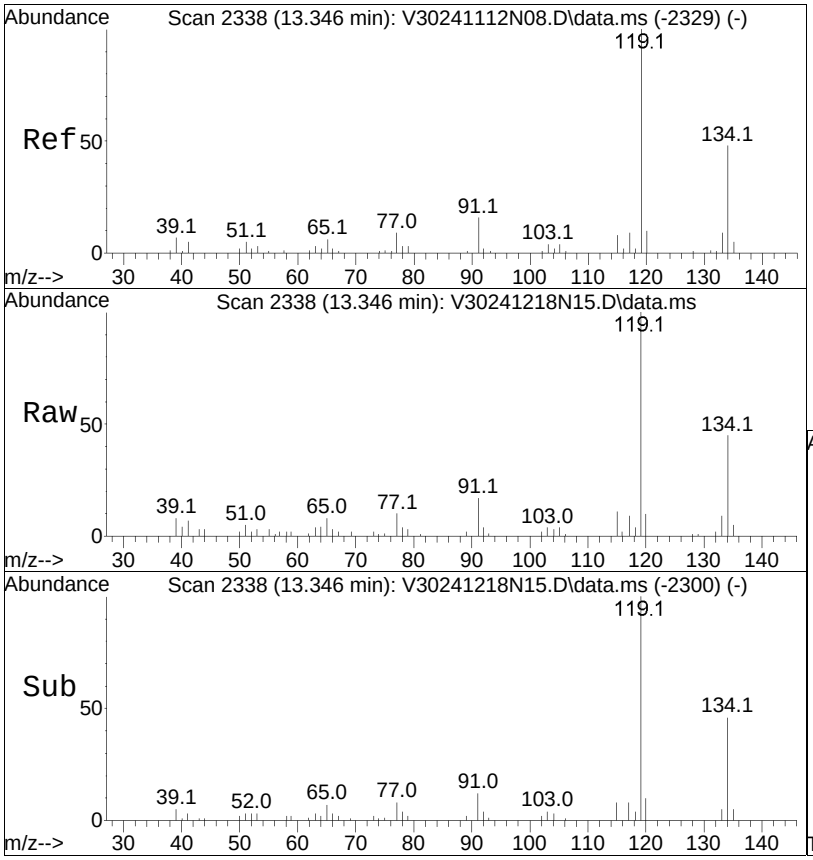


#107
p-Diethylbenzene
Concen: 0.07 ug/L M6
RT: 12.554 min Scan# 2187
Delta R.T. -0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:119 Resp: 1701

Ion	Ratio	Lower	Upper
119	100		
105	415.2	58.4	121.2#
134	179.4	28.7	59.5#

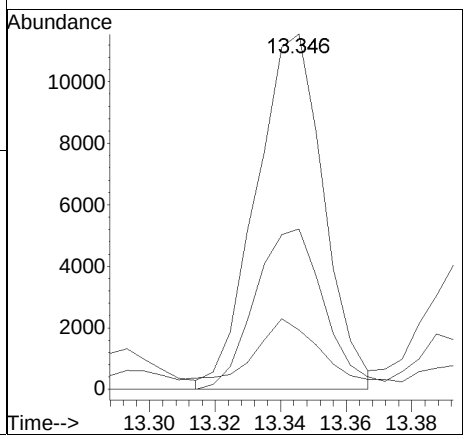


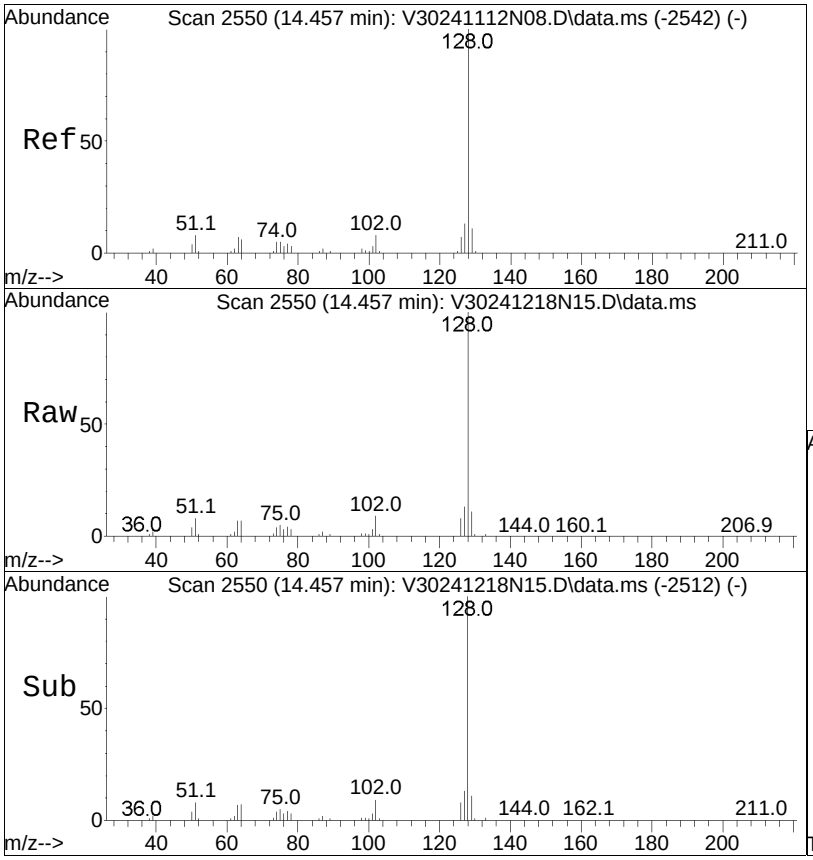


#110
1,2,4,5-Tetramethylbenzene
Concen: 0.50 ug/L
RT: 13.346 min Scan# 2338
Delta R.T. -0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:119 Resp: 16512

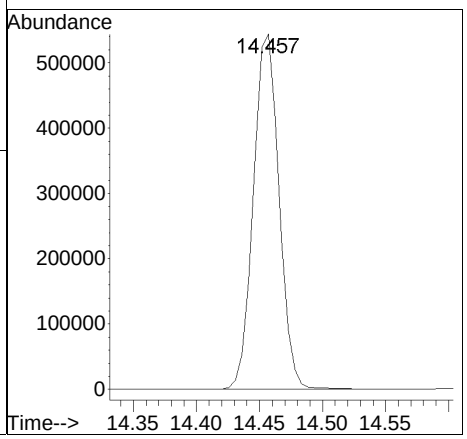
Ion	Ratio	Lower	Upper
119	100		
134	46.5	29.1	60.5
91	15.7	11.5	23.9





#115
Naphthalene
Concen: 28.01 ug/L
RT: 14.457 min Scan# 2550
Delta R.T. 0.000 min
Lab File: V30241218N15.D
Acq: 18 Dec 2024 10:38 pm

Tgt Ion:128 Resp: 770463

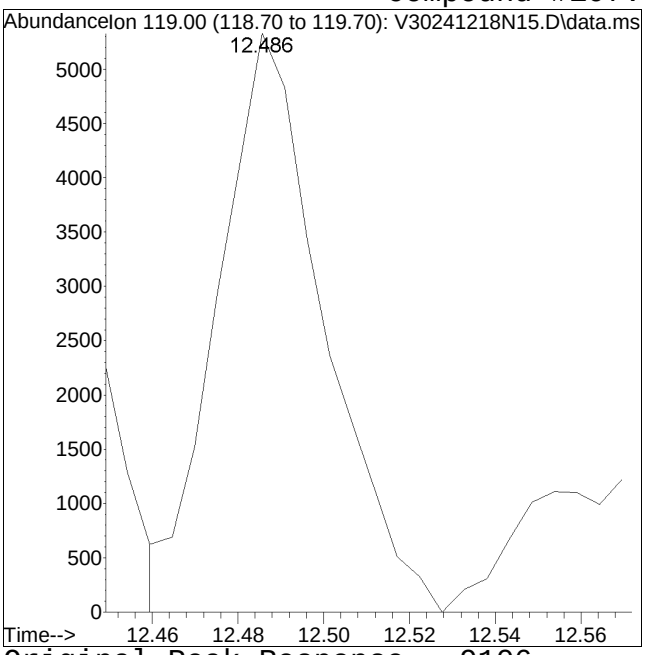


Manual Integration Report

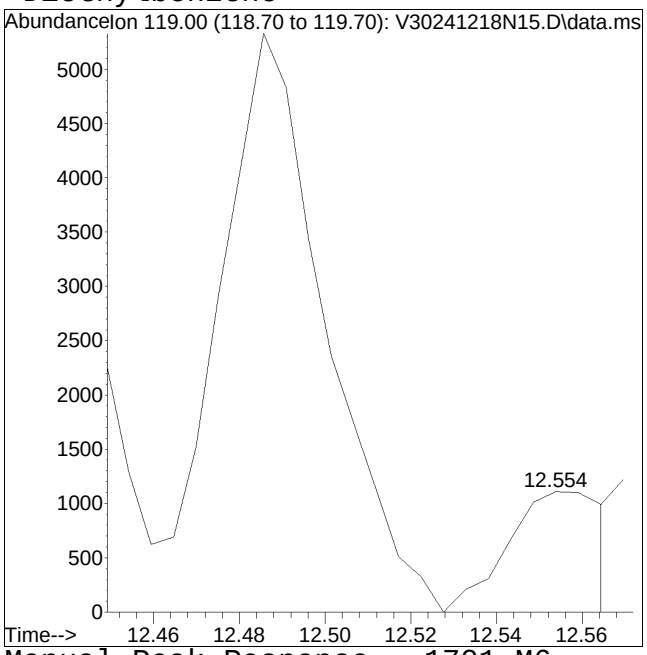
Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N15.D
Date Inj'd : 12/18/2024 10:38 pm
Sample : L2473190-02,31,10,10,,A

QMethod : V130_241112N_8260D.m
Operator : VOA130:MJV
Instrument : VOA130
Quant Date : 12/19/2024 8:39 am

Compound #107: p-Diethylbenzene



Original Peak Response = 9106



Manual Peak Response = 1701 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N08.D
Acq On : 18 Dec 2024 10:08 pm
Operator : VOA122:MJV
Sample : L2473190-01,31,10,10,,A
Misc : WG2011243,ICAL21691
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 08:22:25 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.944	96	366695	10.000 ug/L	0.00
Standard Area 1 = 358970			Recovery = 102.15%		
62) Chlorobenzene-d5	9.484	117	305181	10.000 ug/L	0.00
Standard Area 1 = 300527			Recovery = 101.55%		
83) 1,4-Dichlorobenzene-d4	12.202	152	160905	10.000 ug/L	0.00
Standard Area 1 = 166973			Recovery = 96.37%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.131	113	132620	10.596 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.96%		
46) 1,2-Dichloroethane-d4	5.649	65	80902	10.461 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.61%		
63) Toluene-d8	7.640	98	378273	9.831 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.31%		
87) 4-Bromofluorobenzene	10.984	95	129266	9.841 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.41%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	d
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	d
6) Chloroethane	2.339	64	323	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.956	76	573	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	3.690	73	192	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N08.D
Acq On : 18 Dec 2024 10:08 pm
Operator : VOA122:MJV
Sample : L2473190-01,31,10,10,,A
Misc : WG2011243,ICAL21691
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 08:22:25 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	5.249	43	2376	1.894	ug/L	#	42
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	0.000		0	N.D.			
47) 1,2-Dichloroethane	0.000		0	N.D.			
51) Trichloroethene	0.000		0	N.D.			
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.689	92	483	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	0.000		0	N.D.			
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.554	91	91	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	10.669	105	72	N.D.			
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.984	91	426	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	0.000		0	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	11.714	119	678	N.D.			

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N08.D
Acq On : 18 Dec 2024 10:08 pm
Operator : VOA122:MJV
Sample : L2473190-01,31,10,10,,A
Misc : WG2011243,ICAL21691
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 08:22:25 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	11.909	105	105	N.D.		
102)	sec-Butylbenzene	11.909	105	105	N.D.		
103)	p-Isopropyltoluene	0.000		0	N.D.		
104)	1,3-Dichlorobenzene	12.216	146	228	N.D.		
105)	1,4-Dichlorobenzene	12.216	146	228	N.D.		
106)	p-Diethylbenzene	0.000		0	N.D.		
107)	n-Butylbenzene	0.000		0	N.D.		
108)	1,2-Dichlorobenzene	12.647	146	64	N.D.		
109)	1,2,4,5-Tetramethylben...	13.190	119	132	N.D.		
110)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112)	Hexachlorobutadiene	0.000		0	N.D.		
113)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
114)	Naphthalene	14.353	128	280	N.D.		
115)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

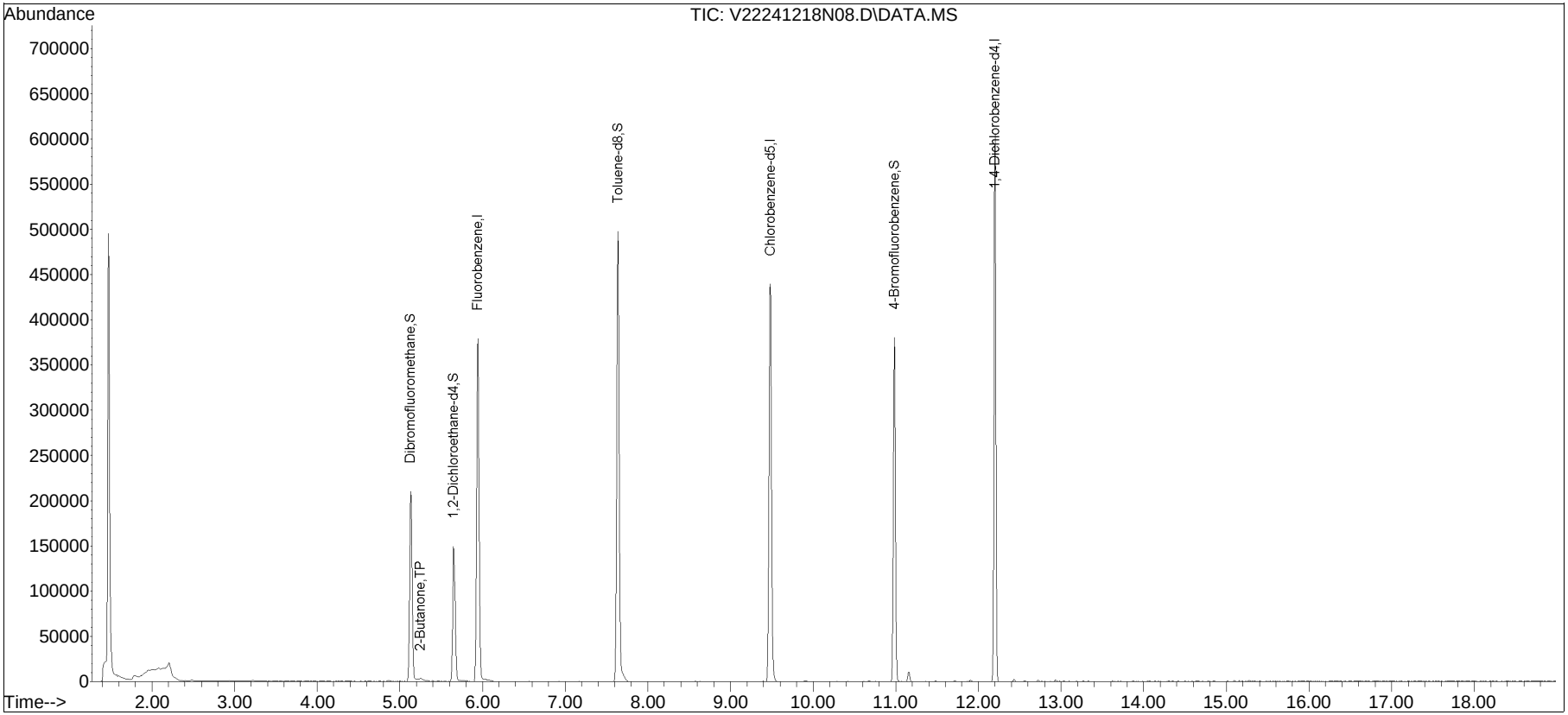
(#) = qualifier out of range (m) = manual integration (+) = signals summed

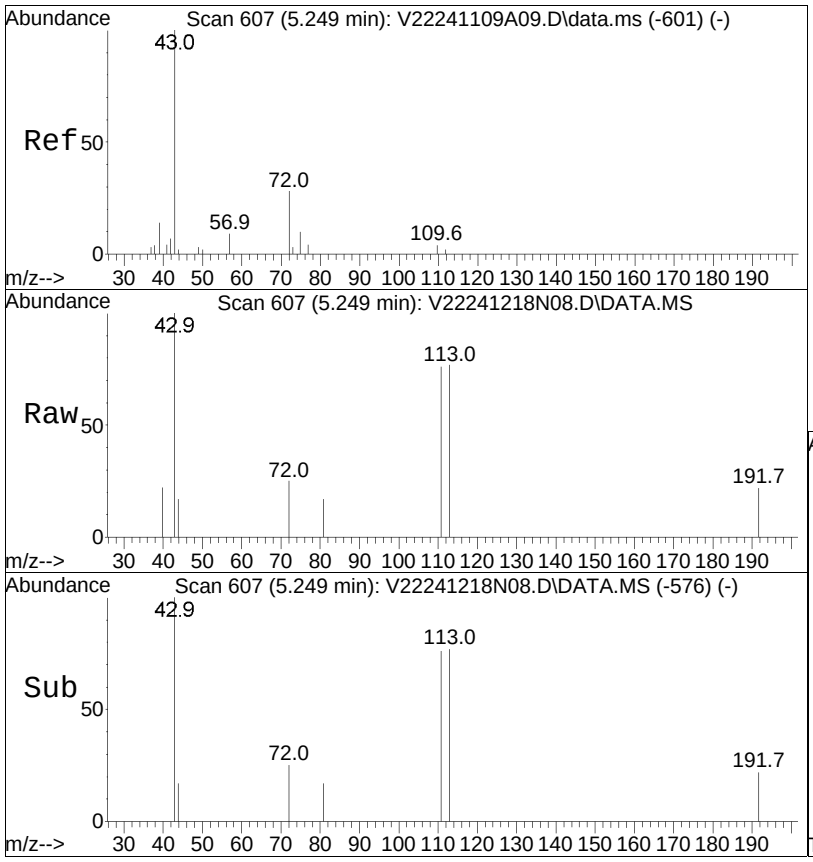
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N08.D
Acq On : 18 Dec 2024 10:08 pm
Operator : VOA122:MJV
Sample : L2473190-01,31,10,10,,A
Misc : WG2011243,ICAL21691
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 08:22:25 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N01.D•

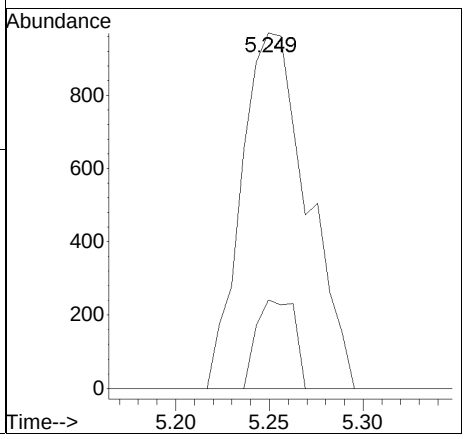




#41
2-Butanone
Concen: 1.89 ug/L
RT: 5.249 min Scan# 607
Delta R.T. 0.000 min
Lab File: V22241218N08.D
Acq: 18 Dec 2024 10:08 pm

Tgt Ion: 43 Resp: 2376

Ion	Ratio	Lower	Upper
43	100		
72	14.4	45.8	68.8#



Manual Integration Report

Data Path	: K:\VOA122\2024\241218N\	QMethod	: V122_241109A_8260.m
Data File	: V22241218N08.D	Operator	: VOA122:MJV
Date Inj'd	: 12/18/2024 10:08 pm	Instrument	: VOA 122
Sample	: L2473190-01,31,10,10,,A	Quant Date	: 12/19/2024 7:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A10.D
Acq On : 19 Dec 2024 11:18 am
Operator : VOA122:MJV
Sample : L2473190-08,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 15:00:38 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	486279	10.000	ug/L	0.00
Standard Area 1 = 506888			Recovery =	95.93%		
62) Chlorobenzene-d5	9.484	117	407985	10.000	ug/L	0.00
Standard Area 1 = 423029			Recovery =	96.44%		
83) 1,4-Dichlorobenzene-d4	12.202	152	210954	10.000	ug/L	0.00
Standard Area 1 = 228806			Recovery =	92.20%		
System Monitoring Compounds						
38) Dibromofluoromethane	5.132	113	176945	10.661	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.61%		
46) 1,2-Dichloroethane-d4	5.649	65	107243	10.456	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.56%		
63) Toluene-d8	7.640	98	514018	9.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.93%		
87) 4-Bromofluorobenzene	10.985	95	177086	10.283	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.83%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.176	94	63	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.936	76	532	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.493	43	3510	2.997	ug/L #	84
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	4.955	83	135	N.D.		

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A10.D
Acq On : 19 Dec 2024 11:18 am
Operator : VOA122:MJV
Sample : L2473190-08,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 15:00:38 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	5.250	43	3501	2.105	ug/L	#	52
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	0.000		0	N.D.			
47) 1,2-Dichloroethane	5.728	62	77	N.D.			
51) Trichloroethene	6.121	95	754	0.108	ug/L	#	64
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.703	92	156	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	8.148	166	249	N.D.			
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.484	91	647	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.978	91	516	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	0.000		0	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A10.D
Acq On : 19 Dec 2024 11:18 am
Operator : VOA122:MJV
Sample : L2473190-08,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 15:00:38 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	14.353	128	71		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

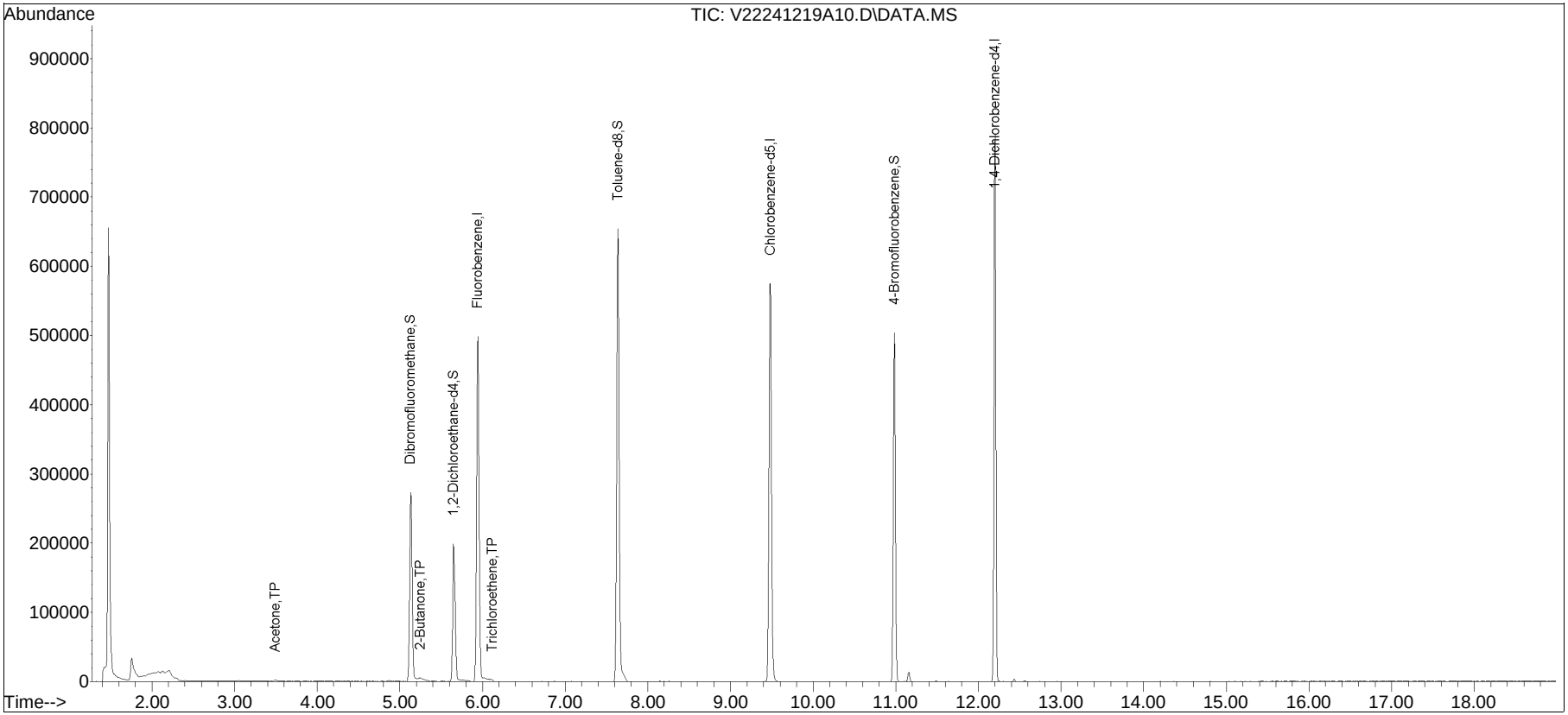
(#) = qualifier out of range (m) = manual integration (+) = signals summed

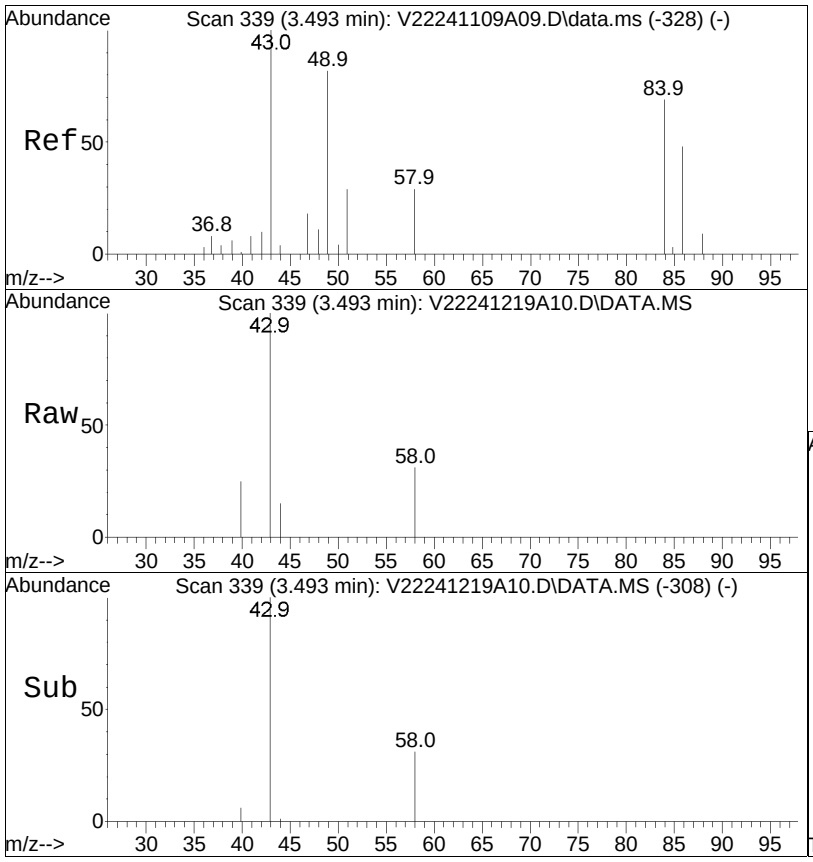
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A10.D
Acq On : 19 Dec 2024 11:18 am
Operator : VOA122:MJV
Sample : L2473190-08,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 15:00:38 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241219A01.D•

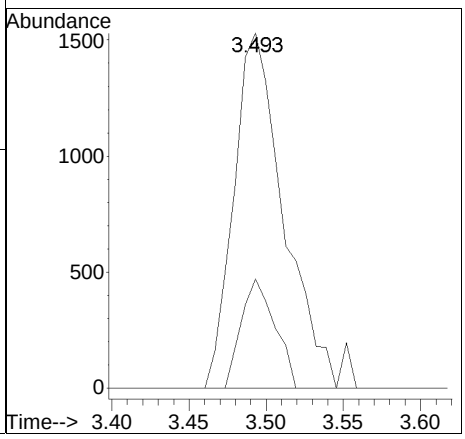


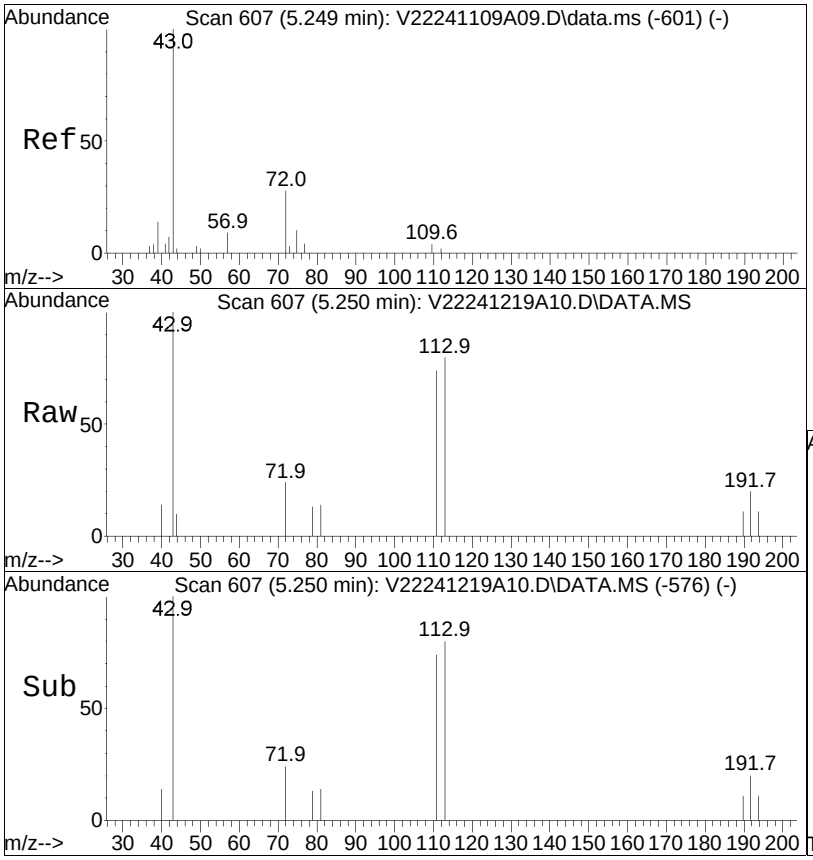


#17
Acetone
Concen: 3.00 ug/L
RT: 3.493 min Scan# 339
Delta R.T. 0.000 min
Lab File: V22241219A10.D
Acq: 19 Dec 2024 11:18 am

Tgt Ion: 43 Resp: 3510

Ion	Ratio	Lower	Upper
43	100		
58	20.5	23.1	34.7#

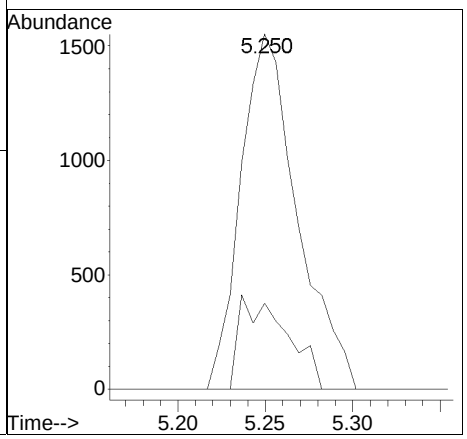


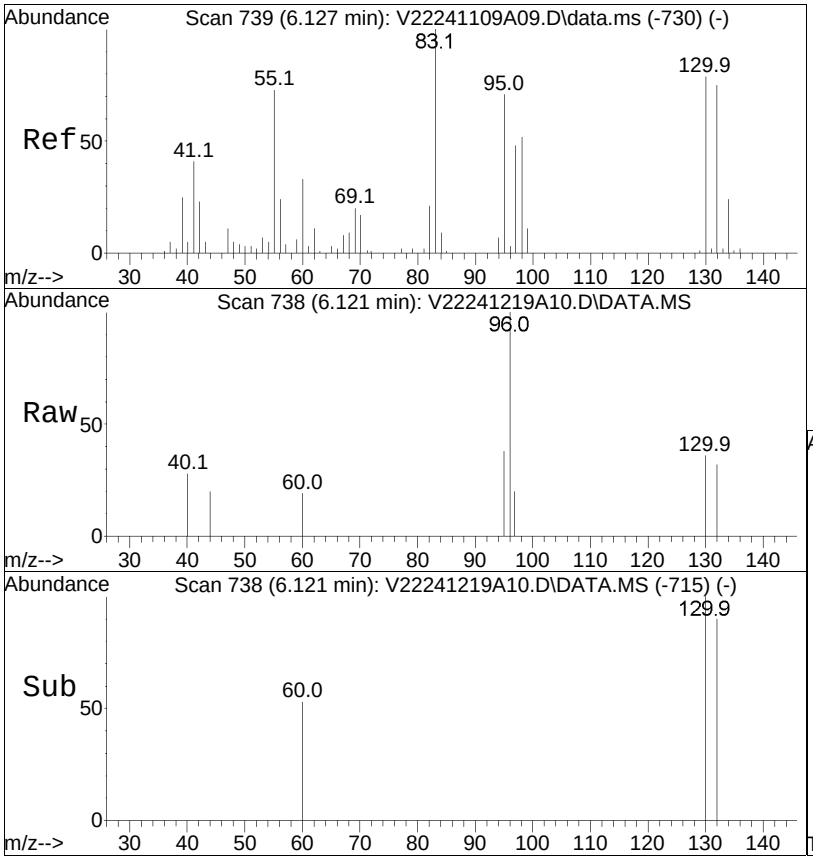


#41
2-Butanone
Concen: 2.10 ug/L
RT: 5.250 min Scan# 607
Delta R.T. 0.000 min
Lab File: V22241219A10.D
Acq: 19 Dec 2024 11:18 am

Tgt Ion: 43 Resp: 3501

Ion	Ratio	Lower	Upper
43	100		
72	22.1	45.8	68.8#

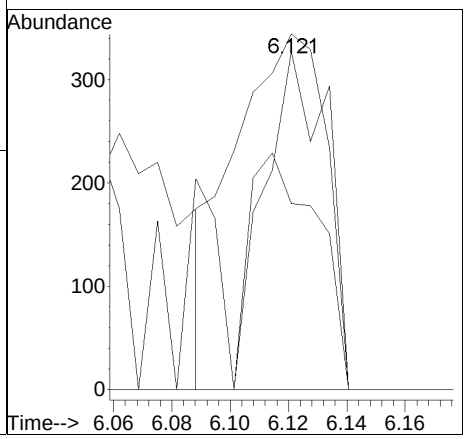




#51
Trichloroethene
Concen: 0.11 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.006 min
Lab File: V22241219A10.D
Acq: 19 Dec 2024 11:18 am

Tgt Ion: 95 Resp: 754

Ion	Ratio	Lower	Upper
95	100		
97	49.2	55.0	82.4#
130	64.9	89.2	133.8#



Manual Integration Report

Data Path	: K:\VOA122\2024\241219A\	QMethod	: V122_241109A_8260.m
Data File	: V22241219A10.D	Operator	: VOA122:MJV
Date Inj'd	: 12/19/2024 11:18 am	Instrument	: VOA 122
Sample	: L2473190-08,31,10,10,,A	Quant Date	: 12/19/2024 2:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A11.D
Acq On : 19 Dec 2024 11:43 am
Operator : VOA122:MJV
Sample : L2473190-09,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 15:01:01 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	490175	10.000	ug/L	0.00
Standard Area 1 = 506888			Recovery =	96.70%		
62) Chlorobenzene-d5	9.484	117	398474	10.000	ug/L	0.00
Standard Area 1 = 423029			Recovery =	94.20%		
83) 1,4-Dichlorobenzene-d4	12.202	152	209512	10.000	ug/L	0.00
Standard Area 1 = 228806			Recovery =	91.57%		
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	174760	10.446	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.46%		
46) 1,2-Dichloroethane-d4	5.649	65	105519	10.207	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.07%		
63) Toluene-d8	7.640	98	504347	10.039	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.39%		
87) 4-Bromofluorobenzene	10.984	95	172601	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.91%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.176	94	61	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.949	76	464	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.493	43	4493	3.806	ug/L	94
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.699	96	207	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	4.961	83	613	N.D.		

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A11.D
Acq On : 19 Dec 2024 11:43 am
Operator : VOA122:MJV
Sample : L2473190-09,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 15:01:01 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	5.249	43	3430	2.046	ug/L	#	51
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	0.000		0	N.D.			
47) 1,2-Dichloroethane	5.721	62	331	N.D.			
51) Trichloroethene	6.121	95	884	0.126	ug/L	#	78
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.703	92	67	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	8.141	166	2882	0.380	ug/L		93
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.484	91	728	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.977	91	520	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	0.000		0	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	11.482	75	175	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A11.D
Acq On : 19 Dec 2024 11:43 am
Operator : VOA122:MJV
Sample : L2473190-09,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 15:01:01 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

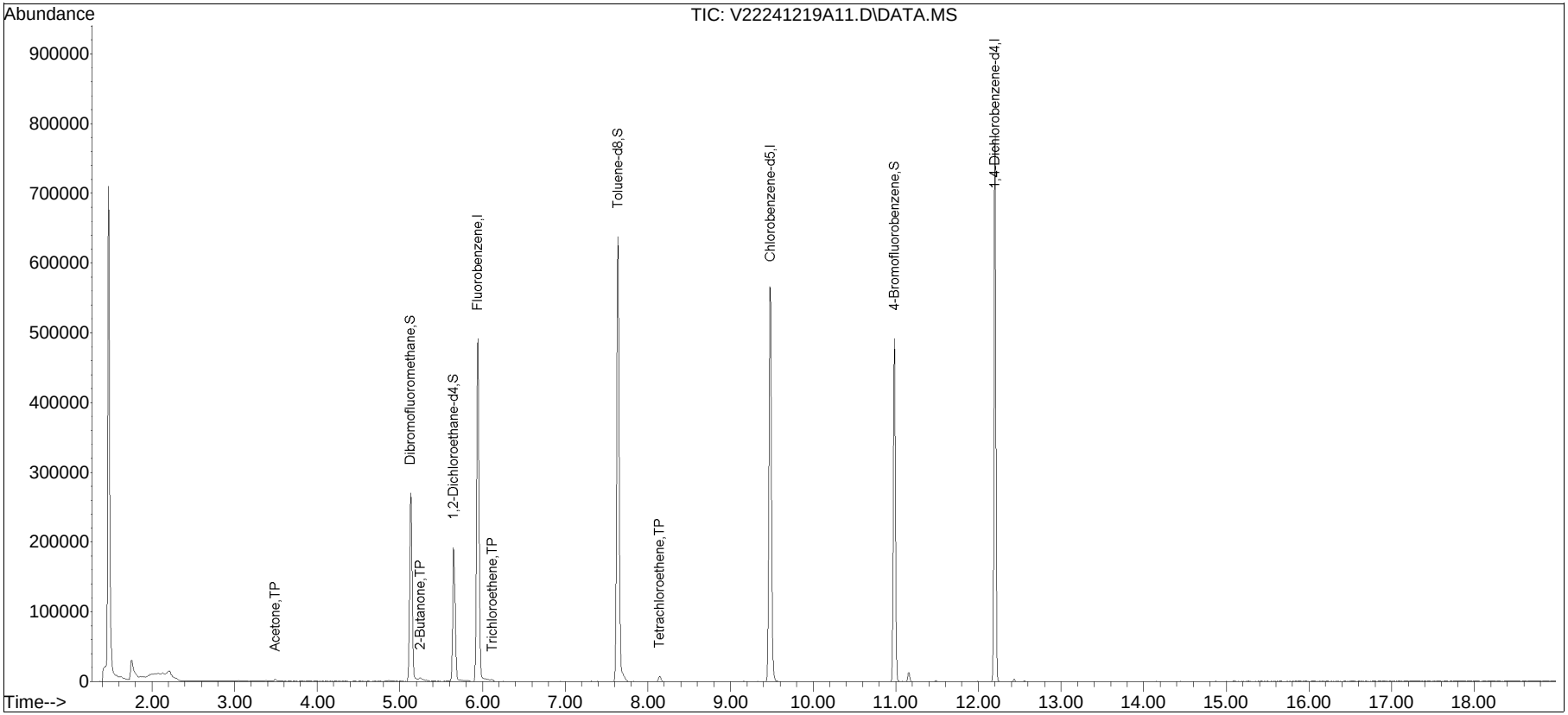
(#) = qualifier out of range (m) = manual integration (+) = signals summed

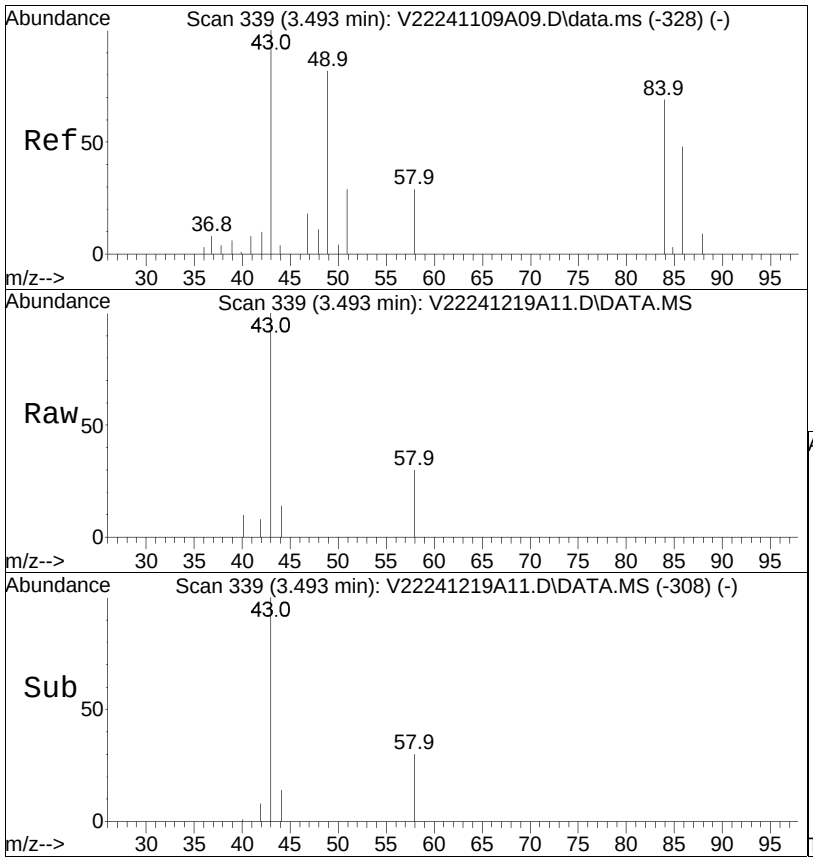
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A11.D
Acq On : 19 Dec 2024 11:43 am
Operator : VOA122:MJV
Sample : L2473190-09,31,10,10,,A
Misc : WG2011630,ICAL21691
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 15:01:01 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241219A01.D•

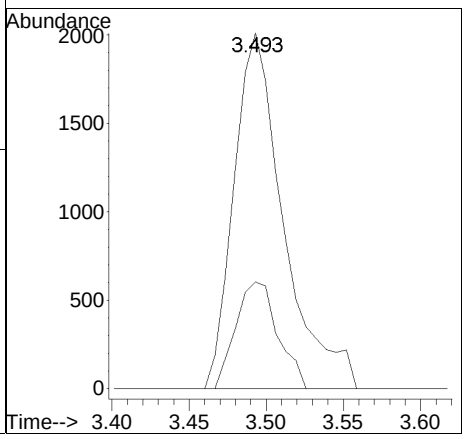


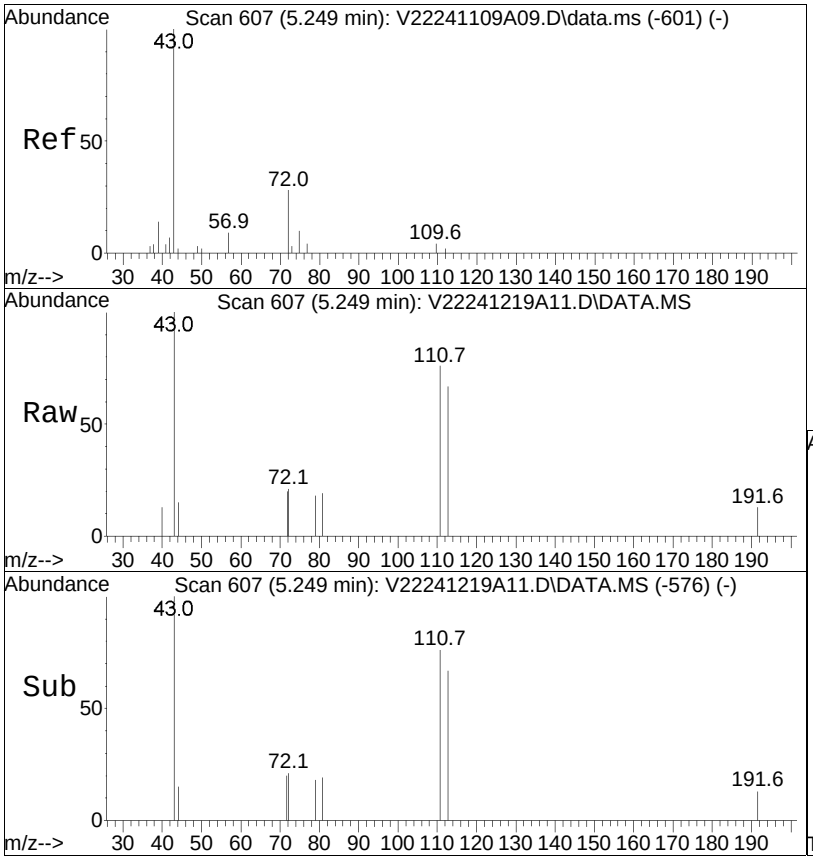


#17
Acetone
Concen: 3.81 ug/L
RT: 3.493 min Scan# 339
Delta R.T. 0.000 min
Lab File: V22241219A11.D
Acq: 19 Dec 2024 11:43 am

Tgt Ion: 43 Resp: 4493

Ion	Ratio	Lower	Upper
43	100		
58	25.4	23.1	34.7

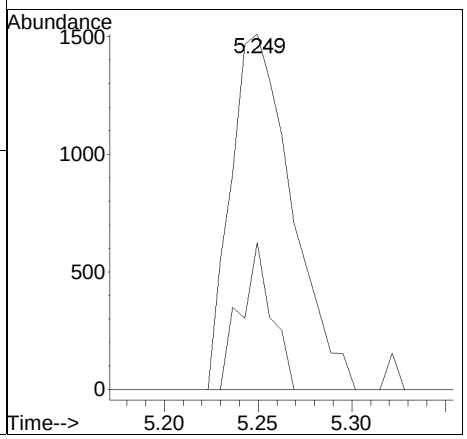


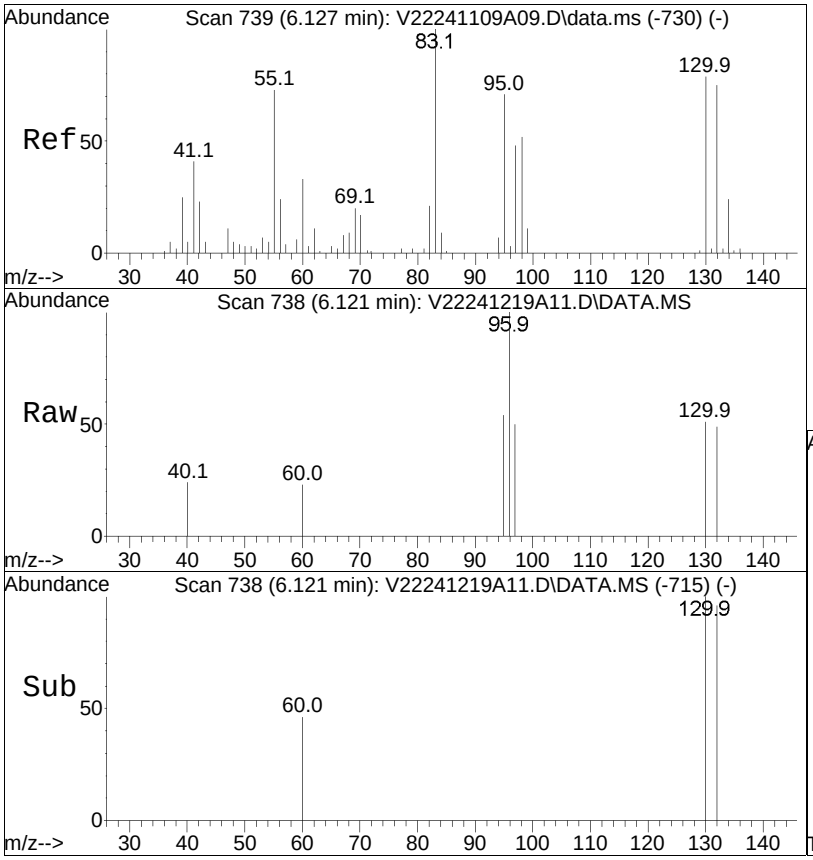


#41
2-Butanone
Concen: 2.05 ug/L
RT: 5.249 min Scan# 607
Delta R.T. 0.000 min
Lab File: V22241219A11.D
Acq: 19 Dec 2024 11:43 am

Tgt Ion: 43 Resp: 3430

Ion	Ratio	Lower	Upper
43	100		
72	21.0	45.8	68.8#

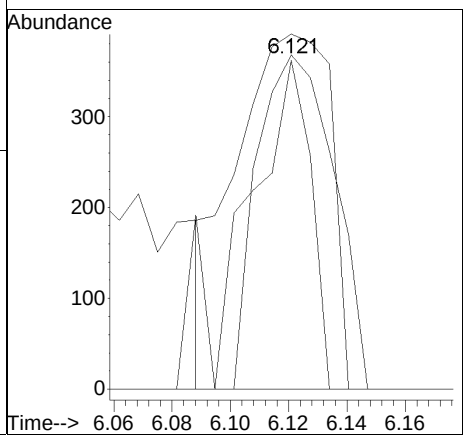


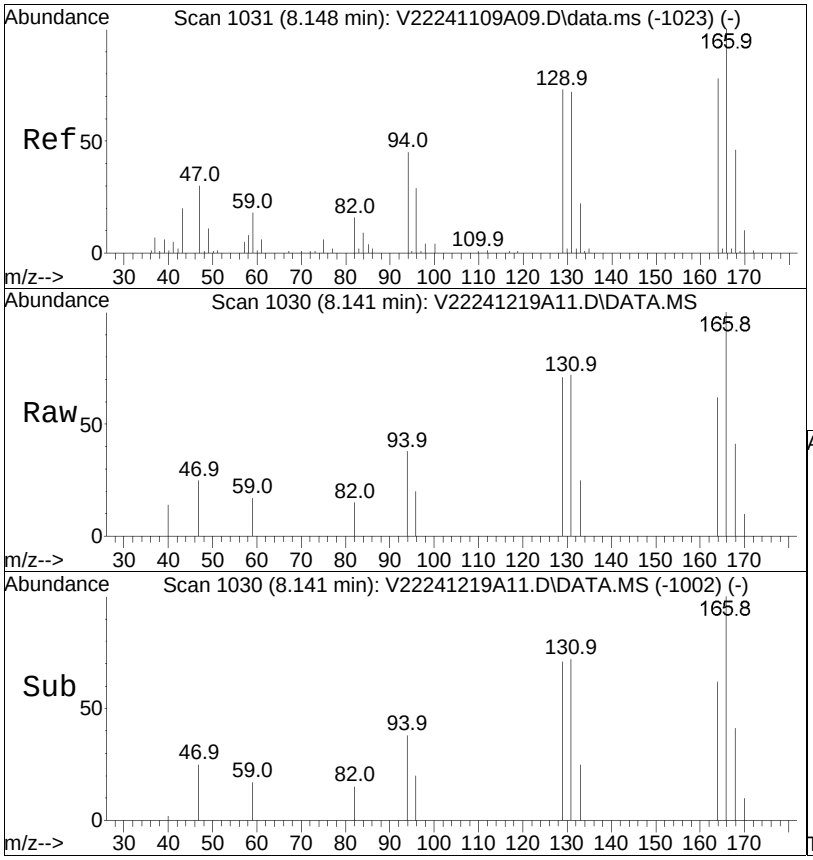


#51
Trichloroethene
Concen: 0.13 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22241219A11.D
Acq: 19 Dec 2024 11:43 am

Tgt Ion: 95 Resp: 884

Ion	Ratio	Lower	Upper
95	100		
97	65.0	55.0	82.4
130	76.1	89.2	133.8#

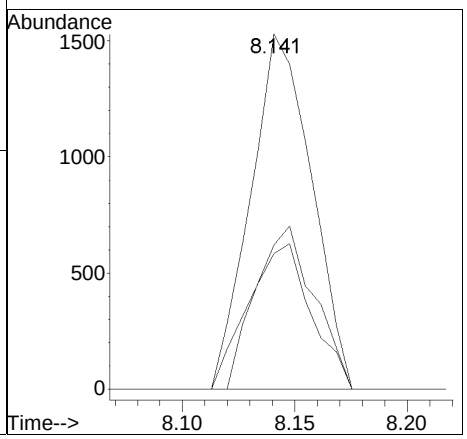




#66
Tetrachloroethene
Concen: 0.38 ug/L
RT: 8.141 min Scan# 1030
Delta R.T. -0.007 min
Lab File: V22241219A11.D
Acq: 19 Dec 2024 11:43 am

Tgt Ion:166 Resp: 2882

Ion	Ratio	Lower	Upper
166	100		
168	44.3	27.8	67.8
94	42.3	16.7	56.7



Manual Integration Report

Data Path	: K:\VOA122\2024\241219A\	QMethod	: V122_241109A_8260.m
Data File	: V22241219A11.D	Operator	: VOA122:MJV
Date Inj'd	: 12/19/2024 11:43 am	Instrument	: VOA 122
Sample	: L2473190-09,31,10,10,,A	Quant Date	: 12/19/2024 2:58 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL21691**
Calibration dates	**: 11/09/24 07:44 11/09/24 11:49**		

Calibration Files
L11 =V22241109A03.D L1 =V22241109A05.D L2 =V22241109A07.D L3 =V22241109A09.D L4 =V22241109A10.D
L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.165	0.223	0.231	0.220	0.213	0.197	0.197	0.207	10.86
3)	TP	Chloromethane		0.167	0.193	0.189	0.180	0.174	0.168	0.165	0.177	6.31
4)	TP	Vinyl chloride	0.239	0.205	0.260	0.260	0.247	0.235	0.223	0.217	0.236	8.34
5)	TP	Bromomethane		0.192	0.187	0.178	0.167	0.159	0.156	0.153	0.170	9.09
6)	TP	Chloroethane		0.183	0.180	0.173	0.158	0.152	0.145	0.139	0.162	10.83
7)	TP	Trichlorofluor		0.223	0.284	0.297	0.286	0.277	0.261	0.260	0.270	9.13
8)	TP	Ethyl ether		0.064	0.060	0.059	0.059	0.058	0.058	0.058	0.059	4.13
10)	TP	1,1-Dichloroet		0.118	0.150	0.154	0.148	0.144	0.140	0.142	0.142	8.31
11)	TP	Carbon disulfide		0.364	0.450	0.466	0.442	0.441	0.428	0.437	0.433	7.53
12)	TP	Freon-113		0.118	0.154	0.163	0.154	0.155	0.147	0.156	0.150	9.92
13)	TP	Iodomethane		0.192	0.178	0.180	0.180	0.179	0.174	0.170	0.179	3.78
14)	TP	Acrolein			0.010	0.010	0.011	0.011	0.011	0.011	0.011	3.74
15)	TP	Methylene chlo		0.189	0.177	0.172	0.163	0.158	0.156	0.156	0.167	7.59
17)	TP	Acetone			0.029	0.025	0.023	0.022	0.022	0.022	0.024	11.86
18)	TP	trans-1,2-Dich		0.136	0.163	0.165	0.159	0.159	0.155	0.157	0.156	6.19
19)	TP	Methyl acetate		0.076	0.066	0.052	0.054	0.053	0.055	0.054	0.059	15.00
21)	TP	Methyl tert butyl ether		0.246	0.265	0.269	0.276	0.283	0.289	0.290	0.274	5.68
22)	TP	tert-Butyl alc		0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.005#	13.93
24)	TP	Diisopropyl ether		0.365	0.397	0.401	0.405	0.411	0.417	0.420	0.402	4.59
25)	TP	1,1-Dichloroet		0.258	0.293	0.302	0.288	0.283	0.279	0.278	0.283#	4.88
26)	TP	Halothane		0.102	0.120	0.126	0.122	0.127	0.126	0.129	0.122	7.63
27)	TP	Acrylonitrile		0.026	0.031	0.029	0.029	0.029	0.029	0.029	0.029	5.48
28)	TP	Ethyl tert-but		0.303	0.322	0.341	0.358	0.365	0.382	0.388	0.351	8.85
29)	TP	Vinyl acetate		0.209	0.229	0.237	0.249	0.261	0.266	0.265	0.245	8.73
30)	TP	cis-1,2-Dichlo		0.165	0.179	0.182	0.175	0.171	0.169	0.170	0.173#	3.54
31)	TP	2,2-Dichloropr		0.179	0.212	0.211	0.214	0.218	0.214	0.215	0.209	6.37
32)	TP	Bromochloromet		0.090	0.088	0.090	0.088	0.085	0.084	0.084	0.087#	2.93
33)	TP	Cyclohexane		0.216	0.276	0.280	0.281	0.282	0.270	0.282	0.269	8.93
34)	TP	Chloroform		0.275	0.299	0.294	0.281	0.278	0.276	0.278	0.283#	3.40
35)	TP	Ethyl acetate			0.077	0.074	0.080	0.081	0.083	0.083	0.080	4.29
36)	TP	Carbon tetrachloride	0.205	0.176	0.228	0.241	0.241	0.247	0.242	0.250	0.229	11.22
37)	TP	Tetrahydrofuran		0.017	0.024	0.021	0.021	0.021	0.022	0.022	0.021	10.43
38)	S	Dibromofluoromethane	0.340	0.352	0.349	0.349	0.339	0.331	0.332	0.339	0.341	2.31
39)	TP	1,1,1-Trichlor		0.217	0.258	0.270	0.269	0.269	0.261	0.260	0.258	7.32
41)	TP	2-Butanone			0.039	0.033	0.032	0.034	0.034	0.034	0.034	6.91

Initial Calibration Summary
Form 6
Volatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL21691**
Calibration dates	**: 11/09/24 07:44 11/09/24 11:49**		

Calibration Files
L11 =V22241109A03.D L1 =V22241109A05.D L2 =V22241109A07.D L3 =V22241109A09.D L4 =V22241109A10.D
L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.163	0.209	0.215	0.219	0.220	0.214	0.219	0.208	9.81
44) TP	Benzene	0.552	0.505	0.592	0.666	0.658	0.658	0.648	0.643	0.615	9.65
45) TP	Tertiary-Amyl Methyl Ether		0.198	0.217	0.227	0.241	0.246	0.249	0.252	0.233	8.52
46) S	1,2-Dichloroethane-d4	0.210	0.205	0.213	0.211	0.207	0.210	0.212	0.219	0.211	1.91
47) T	1,2-Dichloroethane-d4		0.142	0.154	0.157	0.153	0.148	0.147	0.146	0.149	3.43
50) TP	Methyl cyclohe		0.164	0.217	0.229	0.236	0.243	0.236	0.253	0.225	12.95
51) TP	Trichloroethene	0.147	0.130	0.134	0.140	0.143	0.148	0.148	0.155	0.143#	5.63
53) TP	Dibromomethane		0.066	0.073	0.080	0.080	0.078	0.078	0.078	0.076	6.46
54) TP	1,2-Dichloropr		0.103	0.120	0.129	0.129	0.129	0.128	0.129	0.124#	7.85
56) TP	2-Chloroethyl		0.052	0.054	0.059	0.060	0.061	0.061	0.061	0.058	6.46
57) TP	Bromodichlorom		0.142	0.161	0.176	0.179	0.181	0.181	0.182	0.172#	8.69
60) TP	1,4-Dioxane		0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	10.75
61) TP	cis-1,3-Dichloropropene	0.135	0.135	0.163	0.188	0.200	0.202	0.202	0.204	0.179#	16.78
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.276	1.272	1.274	1.273	1.258	1.251	1.253	1.230	1.261	1.27
64) TP	Toluene		0.371	0.421	0.428	0.422	0.426	0.421	0.415	0.415	4.80
65) TP	4-Methyl-2-pen			0.023	0.027	0.029	0.030	0.031	0.030	0.029#	10.68
66) TP	Tetrachloroethene		0.148	0.184	0.196	0.197	0.202	0.201	0.203	0.190	10.45
68) TP	trans-1,3-Dichloropropene	0.149	0.151	0.168	0.193	0.208	0.215	0.218	0.213	0.189#	15.38
70) TP	Ethyl methacry		0.087	0.100	0.124	0.131	0.131	0.134	0.129	0.119	15.56
71) TP	1,1,2-Trichlor		0.079	0.096	0.099	0.100	0.101	0.103	0.100	0.097#	8.23
72) TP	Chlorodibromom		0.113	0.133	0.153	0.164	0.183	0.186	0.183	0.159#	17.69
73) TP	1,3-Dichloropr		0.175	0.202	0.204	0.206	0.205	0.207	0.197	0.199	5.61
74) TP	1,2-Dibromoethane		0.101	0.113	0.121	0.125	0.124	0.127	0.122	0.119#	7.67
76) TP	2-Hexanone		0.041	0.042	0.046	0.048	0.049	0.050	0.048	0.046	7.52
77) TP	Chlorobenzene		0.442	0.487	0.495	0.485	0.487	0.483	0.474	0.479	3.68
78) TP	Ethylbenzene		0.721	0.846	0.858	0.852	0.853	0.837	0.808	0.825	5.91
79) TP	1,1,1,2-Tetrac		0.127	0.142	0.163	0.170	0.179	0.179	0.177	0.162	12.53
80) TP	p/m Xylene		0.288	0.342	0.350	0.348	0.353	0.349	0.351	0.340	6.84
81) TP	o Xylene		0.275	0.324	0.332	0.331	0.337	0.336	0.336	0.324	6.82
82) TP	Styrene		0.426	0.503	0.540	0.547	0.554	0.550	0.531	0.522	8.69
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.104	0.133	0.149	0.166	0.181	0.193	0.201	*Q	0.9996
86) TP	Isopropylbenzene		1.292	1.587	1.657	1.599	1.593	1.551	1.551	1.547	7.63
87) S	4-Bromofluorobenzene	0.856	0.840	0.831	0.842	0.799	0.793	0.780	0.790	0.816	3.55
88) TP	Bromobenzene		0.345	0.356	0.377	0.362	0.367	0.365	0.369	0.363	2.79

Initial Calibration Summary
Form 6
Volatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL21691**
Calibration dates	**: 11/09/24 07:44 11/09/24 11:49**		

Calibration Files
L11 =V22241109A03.D L1 =V22241109A05.D L2 =V22241109A07.D L3 =V22241109A09.D L4 =V22241109A10.D
L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		1.494	1.820	1.927	1.869	1.876	1.816	1.791	1.799	7.89
90) TP	1,4-Dichlorobu		0.283	0.298	0.306	0.299	0.302	0.307	0.314	0.301	3.22
91) TP	1,1,2,2-Tetrac		0.238	0.242	0.245	0.244	0.239	0.242	0.236	0.241	1.40
92) TP	4-Ethyltoluene		1.302	1.549	1.614	1.562	1.549	1.506	1.491	1.510	6.63
93) TP	2-Chlorotoluene		0.913	1.082	1.089	1.050	1.050	0.981	1.000	1.024	6.15
94) TP	1,3,5-Trimethy		1.125	1.330	1.384	1.356	1.357	1.321	1.329	1.315	6.57
95) TP	1,2,3-Trichlor		0.183	0.194	0.195	0.191	0.191	0.198	0.199	0.193	2.82
96) TP	trans-1,4-Dich		0.048	0.063	0.062	0.063	0.062	0.065	0.062	0.061	9.64
97) TP	4-Chlorotoluene		0.995	1.095	1.112	1.076	1.079	1.050	1.057	1.066	3.57
98) TP	tert-Butylbenzene		0.903	1.145	1.204	1.170	1.186	1.157	1.150	1.131	9.05
101) TP	1,2,4-Trimethy		0.662	0.742	0.779	0.744	0.731	0.869	0.702	0.747	8.73
102) TP	sec-Butylbenzene		1.330	1.634	1.721	1.680	1.665	1.608	1.562	1.600	8.10
103) TP	p-Isopropyltol		1.136	1.422	1.505	1.481	1.466	1.413	1.379	1.400	8.89
104) TP	1,3-Dichlorobe		0.686	0.740	0.766	0.751	0.749	0.730	0.734	0.737	3.45
105) TP	1,4-Dichlorobe		0.726	0.755	0.752	0.733	0.739	0.723	0.725	0.736	1.80
106) TP	p-Diethylbenzene		0.653	0.791	0.846	0.847	0.857	0.830	0.833	0.808	8.85
107) TP	n-Butylbenzene		0.895	1.131	1.202	1.176	1.170	1.114	1.106	1.113	9.21
108) TP	1,2-Dichlorobe		0.598	0.668	0.687	0.670	0.671	0.654	0.653	0.657	4.31
109) TP	1,2,4,5-Tetram		0.869	1.033	1.176	1.184	1.188	1.153	1.134	1.105	10.57
110) TP	1,2-Dibromo-3-		0.025	0.033	0.038	0.040	0.042	0.043	0.042	0.038	18.04
111) TP	1,3,5-Trichlor		0.369	0.426	0.465	0.463	0.465	0.447	0.442	0.440	7.80
112) TP	Hexachlorobuta		0.118	0.137	0.148	0.152	0.159	0.154	0.157	0.146	9.89
113) TP	1,2,4-Trichlor		0.352	0.373	0.396	0.395	0.400	0.388	0.385	0.384#	4.36
114) TP	Naphthalene		0.769	0.856	0.908	0.898	0.873	0.854	0.819	0.854	5.60
115) TP	1,2,3-Trichlor		0.292	0.325	0.340	0.339	0.336	0.329	0.321	0.326#	5.15

Initial Calibration Summary
Form 6
Volatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.259	0.282	0.250	0.245	0.245	0.218	0.192	0.242	12.07
3)	TP	Chloromethane		0.356	0.354	0.307	0.283	0.282	0.258	0.223	0.295	16.58
4)	TP	Vinyl chloride	0.304	0.331	0.339	0.298	0.281	0.281	0.255	0.226	0.290	12.99
5)	TP	Bromomethane		0.187	0.185	0.160	0.148	0.154	0.140	0.125	0.157	14.46
6)	TP	Chloroethane		0.212	0.216	0.183	0.170	0.170	0.155	0.134	0.177	16.69
7)	TP	Trichlorofluor		0.360	0.375	0.337	0.328	0.326	0.290	0.255	0.324	12.55
8)	TP	Ethyl ether		0.076	0.077	0.081	0.090	0.091	0.087	0.079	0.083	7.37
10)	TP	1,1-Dichloroet		0.227	0.235	0.215	0.208	0.210	0.192	0.170	0.208	10.54
11)	TP	Carbon disulfide		0.758	0.725	0.638	0.606	0.609	0.561	0.492	0.627	14.60
12)	TP	Freon-113		0.184	0.206	0.203	0.215	0.214	0.193	0.169	0.198	8.44
13)	TP	Iodomethane		0.145	0.159	0.160	0.172	0.193	0.185	0.163	0.168	9.85
14)	TP	Acrolein		0.020	0.023	0.020	0.019	0.018	0.018	0.018	0.019	8.97
15)	TP	Methylene chlo		0.322	0.305	0.264	0.244	0.241	0.226	0.198	0.257	17.00
17)	TP	Acetone			0.059	0.042	0.038	0.035	0.034	0.033	*L	0.9986
18)	TP	trans-1,2-Dich		0.258	0.251	0.228	0.219	0.222	0.207	0.181	0.224	11.61
19)	TP	Methyl acetate			0.109	0.097	0.094	0.089	0.087	0.086	0.094	9.04
21)	TP	Methyl tert butyl ether		0.261	0.259	0.288	0.374	0.429	0.424		*Q	0.9975
22)	TP	tert-Butyl alc		0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.007#	10.81
24)	TP	Diisopropyl ether		0.455	0.449	0.509	0.543	0.572	0.546	0.490	0.509	9.31
25)	TP	1,1-Dichloroet		0.544	0.551	0.484	0.453	0.451	0.417	0.357	0.465	14.76
26)	TP	Halothane		0.128	0.143	0.145	0.164	0.170	0.157	0.138	0.149	9.92
27)	TP	Acrylonitrile		0.051	0.051	0.052	0.050	0.045	0.044	0.043	0.048	8.01
28)	TP	Ethyl tert-but		0.325	0.337	0.398	0.442	0.490	0.487	0.460	0.420	16.27
29)	TP	Vinyl acetate		0.301	0.271	0.283	0.340	0.375	0.370	0.352	0.327	12.94
30)	TP	cis-1,2-Dichlo		0.293	0.295	0.258	0.247	0.249	0.234	0.204	0.254	12.62
31)	TP	2,2-Dichloropr		0.281	0.305	0.309	0.332	0.340	0.310	0.270	0.307	8.20
33)	TP	Bromochloromet		0.134	0.130	0.119	0.112	0.109	0.103	0.092	0.114	12.85
34)	TP	Cyclohexane		0.267	0.287	0.308	0.388	0.414	0.373	0.332	0.338	16.23
35)	TP	Chloroform		0.495	0.510	0.444	0.417	0.414	0.385	0.333	0.428	14.32
36)	TP	Ethyl acetate		0.118	0.100	0.100	0.112	0.117	0.115	0.115	0.111	7.13
37)	TP	Carbon tetrachloride		0.191	0.211	0.231	0.282	0.306	0.284	0.253	0.251	16.77
38)	TP	Tetrahydrofuran		0.032	0.038	0.034	0.036	0.035	0.035	0.034	0.035	5.46
39)	S	Dibromofluoromethane	0.387	0.397	0.382	0.349	0.325	0.305	0.303	0.301	0.344	11.75
40)	TP	1,1,1-Trichlor		0.253	0.285	0.303	0.341	0.353	0.324	0.285	0.306	11.55
42)	TP	2-Butanone			0.041	0.042	0.049	0.051	0.050	0.050	0.047	9.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43)	TP	1,1-Dichloropr		0.196	0.206	0.215	0.268	0.310	0.289	0.258	0.249	17.75
45)	TP	Benzene	0.652	0.738	0.760	0.733	0.769	0.832	0.789	0.695	0.746	7.44
46)	TP	Tertiary-Amyl Methyl Ether		0.279	0.283	0.325	0.358	0.370	0.365	0.346	0.332	11.48
47)	S	1,2-Dichloroethane-d4	0.356	0.361	0.359	0.365	0.344	0.316	0.323	0.329	0.344	5.54
48)	TP	1,2-Dichloroet		0.284	0.275	0.267	0.269	0.266	0.253	0.228	0.263	6.89
51)	TP	Methyl cyclohe		0.209	0.233	0.258	0.289	0.313	0.290	0.264	0.265	13.55
52)	TP	Trichloroethene	0.150	0.159	0.165	0.167	0.194	0.222	0.210	0.188	0.182#	14.20
54)	TP	Dibromomethane		0.134	0.129	0.121	0.119	0.117	0.113	0.105	0.120	8.07
55)	TP	1,2-Dichloropr		0.163	0.175	0.175	0.204	0.233	0.223	0.199	0.196#	13.49
57)	TP	2-Chloroethyl		0.061	0.067	0.084	0.093	0.088	0.087	0.083	0.080	14.67
58)	TP	Bromodichlorom		0.229	0.234	0.244	0.289	0.310	0.295	0.263	0.266#	12.07
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.19
62)	TP	cis-1,3-Dichloropropene		0.210	0.229	0.237	0.285	0.330	0.322	0.294	0.273#	17.32
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.328	1.333	1.321	1.371	1.368	1.350	1.348	1.312	1.341	1.61
65)	TP	Toluene		0.576	0.619	0.626	0.635	0.664	0.621	0.536	0.611	6.87
66)	TP	4-Methyl-2-pen			0.030	0.044	0.050	0.050	0.049	0.046	0.045	17.68
67)	TP	Tetrachloroethene		0.197	0.210	0.221	0.235	0.249	0.233	0.206	0.222	8.37
69)	TP	trans-1,3-Dichloropropene		0.188	0.207	0.253	0.301	0.350	0.349		*Q	0.9983
71)	TP	Ethyl methacry		0.155	0.161	0.183	0.200	0.200	0.193	0.178	0.181	9.93
72)	TP	1,1,2-Trichlor		0.096	0.111	0.128	0.144	0.160	0.160	0.153	0.136#	18.37
73)	TP	Chlorodibromom		0.131	0.140	0.164	0.200	0.236	0.239		*Q	0.9984
74)	TP	1,3-Dichloropr		0.234	0.248	0.282	0.314	0.347	0.344	0.327	0.299	15.23
75)	TP	1,2-Dibromoethane		0.113	0.120	0.138	0.151	0.164	0.165	0.160	0.144#	14.74
77)	TP	2-Hexanone		0.085	0.077	0.081	0.086	0.085	0.082	0.079	0.082	4.07
78)	T	Chlorobenzene		0.643	0.672	0.661	0.663	0.691	0.657	0.573	0.651	5.75
79)	TP	Ethylbenzene		1.168	1.244	1.251	1.245	1.285	1.193	1.028	1.202	7.16
80)	T	1,1,1,2-Tetrac		0.127	0.136	0.163	0.188	0.212	0.208	0.193	0.175	19.41
81)	TP	p/m Xylene		0.470	0.496	0.505	0.500	0.517	0.480	0.415	0.484	7.00
82)	TP	o Xylene		0.449	0.477	0.491	0.480	0.497	0.465	0.398	0.465	7.27
83)	TP	Styrene		0.725	0.773	0.817	0.806	0.821	0.765	0.644	0.765	8.24
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.104	0.124	0.152	0.178	0.189	0.191	0.191	*Q	0.9992
87)	TP	Isopropylbenzene		1.706	1.890	1.929	1.981	2.031	1.873	1.644	1.865	7.57
88)	S	4-Bromofluorobenzene	0.898	0.892	0.890	0.875	0.867	0.826	0.826	0.834	0.864	3.56
89)	TP	Bromobenzene		0.427	0.471	0.459	0.463	0.475	0.453	0.409	0.451	5.39

Initial Calibration Summary
Form 6
Volatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90)	TP	n-Propylbenzene		2.198	2.412	2.461	2.504	2.530	2.321	1.997	2.346	8.17
91)	TP	1,4-Dichlorobu		0.408	0.394	0.414	0.437	0.421	0.408	0.386	0.410	4.14
92)	TP	1,1,2,2-Tetrac		0.267	0.278	0.285	0.308	0.308	0.303	0.296	0.292	5.42
93)	TP	4-Ethyltoluene		1.784	1.960	2.013	2.060	2.122	1.965	1.712	1.945	7.57
94)	TP	2-Chlorotoluene		1.489	1.519	1.481	1.470	1.496	1.402	1.220	1.439	7.19
95)	TP	1,3,5-Trimethy		1.507	1.651	1.747	1.821	1.908	1.760	1.528	1.703	8.74
96)	TP	1,2,3-Trichlor		0.228	0.228	0.237	0.254	0.247	0.241	0.234	0.238	4.05
97)	TP	trans-1,4-Dich		0.055	0.064	0.070	0.077	0.077	0.076	0.077	0.071	12.26
98)	TP	4-Chlorotoluene		1.447	1.563	1.546	1.550	1.605	1.497	1.304	1.502	6.70
99)	TP	tert-Butylbenzene		1.279	1.398	1.409	1.451	1.504	1.398	1.233	1.382	6.86
102)	TP	1,2,4-Trimethy		1.356	1.528	1.690	1.799	1.901	1.771	1.521	1.652	11.58
103)	TP	sec-Butylbenzene		1.792	2.033	2.098	2.151	2.201	2.021	1.766	2.009	8.42
104)	TP	p-Isopropyltol		1.440	1.674	1.794	1.873	1.972	1.815	1.574	1.735	10.57
105)	TP	1,3-Dichlorobe		0.921	0.958	0.964	0.973	1.016	0.960	0.846	0.948	5.62
106)	TP	1,4-Dichlorobe		0.971	0.992	0.978	0.982	1.029	0.972	0.859	0.969	5.40
107)	TP	p-Diethylbenzene		0.813	0.912	1.020	1.097	1.199	1.120	0.983	1.021	12.88
108)	TP	n-Butylbenzene		1.179	1.420	1.561	1.654	1.746	1.605	1.391	1.508	12.70
109)	TP	1,2-Dichlorobe		0.889	0.909	0.909	0.926	0.952	0.902	0.804	0.899	5.15
110)	TP	1,2,4,5-Tetram		1.128	1.192	1.274	1.527	1.774	1.690	1.481	1.438	17.26
111)	TP	1,2-Dibromo-3-		0.040	0.051	0.050	0.052	0.050	0.049	0.049	0.049	8.45
112)	TP	1,3,5-Trichlor		0.571	0.601	0.622	0.697	0.770	0.733	0.650	0.663	10.99
113)	TP	Hexachlorobuta		0.205	0.225	0.224	0.233	0.250	0.235	0.213	0.227	6.53
114)	TP	1,2,4-Trichlor		0.519	0.538	0.566	0.617	0.662	0.637	0.578	0.588	8.94
115)	TP	Naphthalene		1.124	1.084	1.210	1.300	1.293	1.240	1.162	1.202	6.88
116)	TP	1,2,3-Trichlor		0.524	0.527	0.540	0.573	0.586	0.563	0.520	0.548	4.80

Response Factor Report VOA 122

Method Path : K:\VOA122\2024\241109A-ICAL\
Method File : V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024
Response Via : Initial Calibration

Calibration Files
L11 =V22241109A03.D L1 =V22241109A05.D L2 =V22241109A07.D L3 =V22241109A09.D L4 =V22241109A10.D
L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.165	0.223	0.231	0.220	0.213	0.197	0.197	0.207	10.86
3)	TP	Chloromethane		0.167	0.193	0.189	0.180	0.174	0.168	0.165	0.177	6.31
4)	TP	Vinyl chloride	0.239	0.205	0.260	0.260	0.247	0.235	0.223	0.217	0.236	8.34
5)	TP	Bromomethane		0.192	0.187	0.178	0.167	0.159	0.156	0.153	0.170	9.09
6)	TP	Chloroethane		0.183	0.180	0.173	0.158	0.152	0.145	0.139	0.162	10.83
7)	TP	Trichlorofluor...		0.223	0.284	0.297	0.286	0.277	0.261	0.260	0.270	9.13
8)	TP	Ethyl ether		0.064	0.060	0.059	0.059	0.058	0.058	0.058	0.059	4.13
10)	TP	1,1-Dichloroet...		0.118	0.150	0.154	0.148	0.144	0.140	0.142	0.142	8.31
11)	TP	Carbon disulfide		0.364	0.450	0.466	0.442	0.441	0.428	0.437	0.433	7.53
12)	TP	Freon-113		0.118	0.154	0.163	0.154	0.155	0.147	0.156	0.150	9.92
13)	TP	Iodomethane		0.192	0.178	0.180	0.180	0.179	0.174	0.170	0.179	3.78
14)	TP	Acrolein			0.010	0.010	0.011	0.011	0.011	0.011	0.011	3.74
15)	TP	Methylene chlo...		0.189	0.177	0.172	0.163	0.158	0.156	0.156	0.167	7.59
17)	TP	Acetone			0.029	0.025	0.023	0.022	0.022	0.022	0.024	11.86
18)	TP	trans-1,2-Dich...		0.136	0.163	0.165	0.159	0.159	0.155	0.157	0.156	6.19
19)	TP	Methyl acetate		0.076	0.066	0.052	0.054	0.053	0.055	0.054	0.059	15.00
21)	TP	Methyl tert-bu...		0.246	0.265	0.269	0.276	0.283	0.289	0.290	0.274	5.68
22)	TP	tert-Butyl alc...		0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.005#	13.93
24)	TP	Diisopropyl ether		0.365	0.397	0.401	0.405	0.411	0.417	0.420	0.402	4.59
25)	TP	1,1-Dichloroet...		0.258	0.293	0.302	0.288	0.283	0.279	0.278	0.283#	4.88
26)	TP	Halothane		0.102	0.120	0.126	0.122	0.127	0.126	0.129	0.122	7.63
27)	TP	Acrylonitrile		0.026	0.031	0.029	0.029	0.029	0.029	0.029	0.029	5.48
28)	TP	Ethyl tert-but...		0.303	0.322	0.341	0.358	0.365	0.382	0.388	0.351	8.85
29)	TP	Vinyl acetate		0.209	0.229	0.237	0.249	0.261	0.266	0.265	0.245	8.73
30)	TP	cis-1,2-Dichlo...		0.165	0.179	0.182	0.175	0.171	0.169	0.170	0.173#	3.54
31)	TP	2,2-Dichloropr...		0.179	0.212	0.211	0.214	0.218	0.214	0.215	0.209	6.37
32)	TP	Bromochloromet...		0.090	0.088	0.090	0.088	0.085	0.084	0.084	0.087#	2.93
33)	TP	Cyclohexane		0.216	0.276	0.280	0.281	0.282	0.270	0.282	0.269	8.93
34)	TP	Chloroform		0.275	0.299	0.294	0.281	0.278	0.276	0.278	0.283#	3.40
35)	TP	Ethyl acetate			0.077	0.074	0.080	0.081	0.083	0.083	0.080	4.29

Response Factor Report VOA 122

Method Path : K:\VOA122\2024\241109A-ICAL\
Method File : V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024
Response Via : Initial Calibration

Calibration Files
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L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.205	0.176	0.228	0.241	0.241	0.247	0.242	0.250	0.229	11.22
37)	TP	Tetrahydrofuran		0.017	0.024	0.021	0.021	0.021	0.022	0.022	0.021	10.43
38)	S	Dibromofluorom...	0.340	0.352	0.349	0.349	0.339	0.331	0.332	0.339	0.341	2.31
39)	TP	1,1,1-Trichlor...		0.217	0.258	0.270	0.269	0.269	0.261	0.260	0.258	7.32
41)	TP	2-Butanone			0.039	0.033	0.032	0.034	0.034	0.034	0.034	6.91
42)	TP	1,1-Dichloropr...		0.163	0.209	0.215	0.219	0.220	0.214	0.219	0.208	9.81
44)	TP	Benzene	0.552	0.505	0.592	0.666	0.658	0.658	0.648	0.643	0.615	9.65
45)	TP	tert-Amyl meth...		0.198	0.217	0.227	0.241	0.246	0.249	0.252	0.233	8.52
46)	S	1,2-Dichloroet...	0.210	0.205	0.213	0.211	0.207	0.210	0.212	0.219	0.211	1.91
47)	T	1,2-Dichloroet...		0.142	0.154	0.157	0.153	0.148	0.147	0.146	0.149	3.43
50)	TP	Methyl cyclohe...		0.164	0.217	0.229	0.236	0.243	0.236	0.253	0.225	12.95
51)	TP	Trichloroethene	0.147	0.130	0.134	0.140	0.143	0.148	0.148	0.155	0.143#	5.63
53)	TP	Dibromomethane		0.066	0.073	0.080	0.080	0.078	0.078	0.078	0.076	6.46
54)	TP	1,2-Dichloropr...		0.103	0.120	0.129	0.129	0.129	0.128	0.129	0.124#	7.85
56)	TP	2-Chloroethyl ...		0.052	0.054	0.059	0.060	0.061	0.061	0.061	0.058	6.46
57)	TP	Bromodichlorom...		0.142	0.161	0.176	0.179	0.181	0.181	0.182	0.172#	8.69
60)	TP	1,4-Dioxane		0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	10.75
61)	TP	cis-1,3-Dichlo...	0.135	0.135	0.163	0.188	0.200	0.202	0.202	0.204	0.179#	16.78
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.276	1.272	1.274	1.273	1.258	1.251	1.253	1.230	1.261	1.27
64)	TP	Toluene		0.371	0.421	0.428	0.422	0.426	0.421	0.415	0.415	4.80
65)	TP	4-Methyl-2-pen...			0.023	0.027	0.029	0.030	0.031	0.030	0.029#	10.68
66)	TP	Tetrachloroethene		0.148	0.184	0.196	0.197	0.202	0.201	0.203	0.190	10.45
68)	TP	trans-1,3-Dich...	0.149	0.151	0.168	0.193	0.208	0.215	0.218	0.213	0.189#	15.38
70)	TP	Ethyl methacry...		0.087	0.100	0.124	0.131	0.131	0.134	0.129	0.119	15.56
71)	TP	1,1,2-Trichlor...		0.079	0.096	0.099	0.100	0.101	0.103	0.100	0.097#	8.23
72)	TP	Chlorodibromom...		0.113	0.133	0.153	0.164	0.183	0.186	0.183	0.159#	17.69
73)	TP	1,3-Dichloropr...		0.175	0.202	0.204	0.206	0.205	0.207	0.197	0.199	5.61
74)	TP	1,2-Dibromoethane		0.101	0.113	0.121	0.125	0.124	0.127	0.122	0.119#	7.67
76)	TP	2-Hexanone		0.041	0.042	0.046	0.048	0.049	0.050	0.048	0.046	7.52
77)	TP	Chlorobenzene		0.442	0.487	0.495	0.485	0.487	0.483	0.474	0.479	3.68

Response Factor Report VOA 122

Method Path : K:\VOA122\2024\241109A-ICAL\
Method File : V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024
Response Via : Initial Calibration

Calibration Files
L11 =V22241109A03.D L1 =V22241109A05.D L2 =V22241109A07.D L3 =V22241109A09.D L4 =V22241109A10.D
L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TP	Ethylbenzene		0.721	0.846	0.858	0.852	0.853	0.837	0.808	0.825	5.91
79)	TP	1,1,1,2-Tetrac...		0.127	0.142	0.163	0.170	0.179	0.179	0.177	0.162	12.53
80)	TP	p/m Xylene		0.288	0.342	0.350	0.348	0.353	0.349	0.351	0.340	6.84
81)	TP	o Xylene		0.275	0.324	0.332	0.331	0.337	0.336	0.336	0.324	6.82
82)	TP	Styrene		0.426	0.503	0.540	0.547	0.554	0.550	0.531	0.522	8.69
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.104	0.133	0.149	0.166	0.181	0.193	0.201	*Q	0.9996
86)	TP	Isopropylbenzene		1.292	1.587	1.657	1.599	1.593	1.551	1.551	1.547	7.63
87)	S	4-Bromofluorob...	0.856	0.840	0.831	0.842	0.799	0.793	0.780	0.790	0.816	3.55
88)	TP	Bromobenzene		0.345	0.356	0.377	0.362	0.367	0.365	0.369	0.363	2.79
89)	TP	n-Propylbenzene		1.494	1.820	1.927	1.869	1.876	1.816	1.791	1.799	7.89
90)	TP	1,4-Dichlorobu...		0.283	0.298	0.306	0.299	0.302	0.307	0.314	0.301	3.22
91)	TP	1,1,2,2-Tetrac...		0.238	0.242	0.245	0.244	0.239	0.242	0.236	0.241	1.40
92)	TP	4-Ethyltoluene		1.302	1.549	1.614	1.562	1.549	1.506	1.491	1.510	6.63
93)	TP	2-Chlorotoluene		0.913	1.082	1.089	1.050	1.050	0.981	1.000	1.024	6.15
94)	TP	1,3,5-Trimethy...		1.125	1.330	1.384	1.356	1.357	1.321	1.329	1.315	6.57
95)	TP	1,2,3-Trichlor...		0.183	0.194	0.195	0.191	0.191	0.198	0.199	0.193	2.82
96)	TP	trans-1,4-Dich...		0.048	0.063	0.062	0.063	0.062	0.065	0.062	0.061	9.64
97)	TP	4-Chlorotoluene		0.995	1.095	1.112	1.076	1.079	1.050	1.057	1.066	3.57
98)	TP	tert-Butylbenzene		0.903	1.145	1.204	1.170	1.186	1.157	1.150	1.131	9.05
101)	TP	1,2,4-Trimethy...		0.662	0.742	0.779	0.744	0.731	0.869	0.702	0.747	8.73
102)	TP	sec-Butylbenzene		1.330	1.634	1.721	1.680	1.665	1.608	1.562	1.600	8.10
103)	TP	p-Isopropyltol...		1.136	1.422	1.505	1.481	1.466	1.413	1.379	1.400	8.89
104)	TP	1,3-Dichlorobe...		0.686	0.740	0.766	0.751	0.749	0.730	0.734	0.737	3.45
105)	TP	1,4-Dichlorobe...		0.726	0.755	0.752	0.733	0.739	0.723	0.725	0.736	1.80
106)	TP	p-Diethylbenzene		0.653	0.791	0.846	0.847	0.857	0.830	0.833	0.808	8.85
107)	TP	n-Butylbenzene		0.895	1.131	1.202	1.176	1.170	1.114	1.106	1.113	9.21
108)	TP	1,2-Dichlorobe...		0.598	0.668	0.687	0.670	0.671	0.654	0.653	0.657	4.31
109)	TP	1,2,4,5-Tetram...		0.869	1.033	1.176	1.184	1.188	1.153	1.134	1.105	10.57
110)	TP	1,2-Dibromo-3-...		0.025	0.033	0.038	0.040	0.042	0.043	0.042	0.038	18.04
111)	TP	1,3,5-Trichlor...		0.369	0.426	0.465	0.463	0.465	0.447	0.442	0.440	7.80

Method Path : K:\VOA122\2024\241109A-ICAL\
Method File : V122_241109A_8260.m
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Response Via : Initial Calibration

Calibration Files
L11 =V22241109A03.D L1 =V22241109A05.D L2 =V22241109A07.D L3 =V22241109A09.D L4 =V22241109A10.D
L6 =V22241109A11.D L8 =V22241109A12.D L10 =V22241109A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112)	TP Hexachlorobuta...	0.118	0.137	0.148	0.152	0.159	0.154	0.157	0.146		9.89
113)	TP 1,2,4-Trichlor...	0.352	0.373	0.396	0.395	0.400	0.388	0.385	0.384#		4.36
114)	TP Naphthalene	0.769	0.856	0.908	0.898	0.873	0.854	0.819	0.854		5.60
115)	TP 1,2,3-Trichlor...	0.292	0.325	0.340	0.339	0.336	0.329	0.321	0.326#		5.15

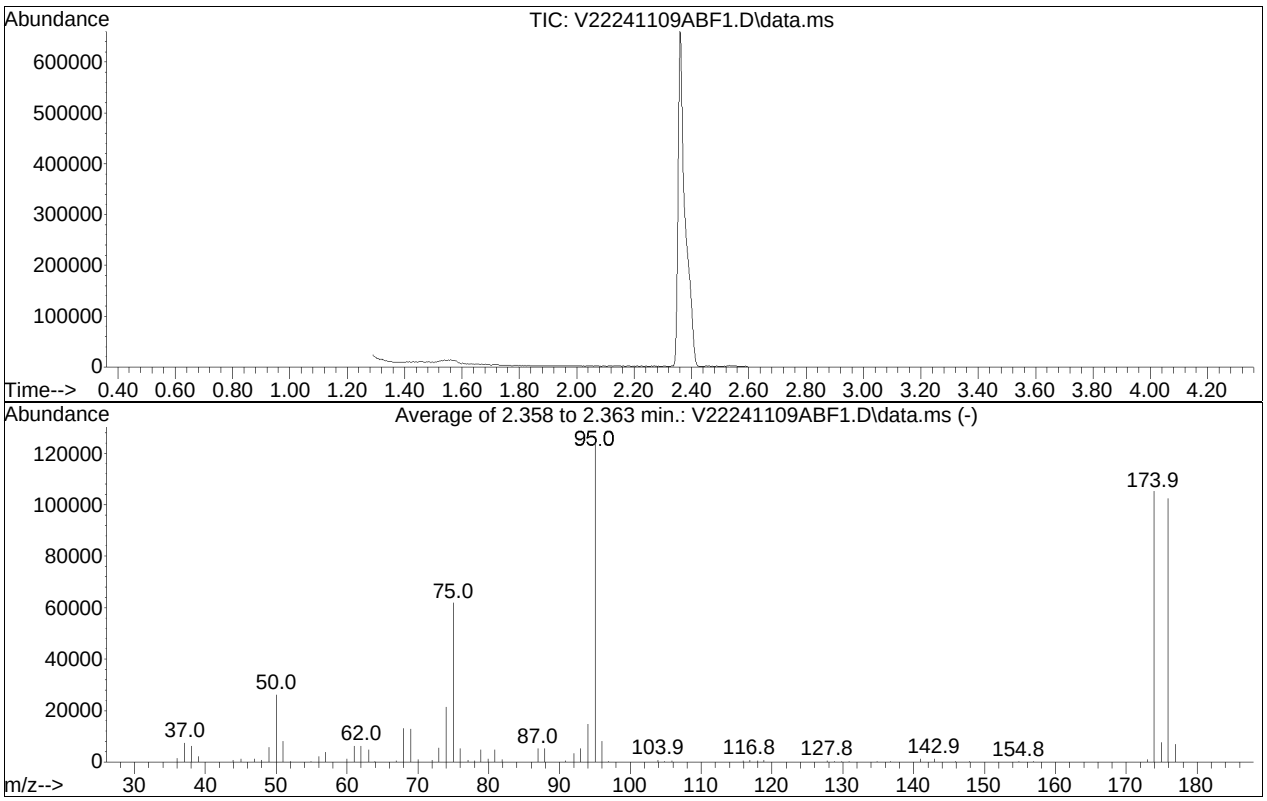
(#) = Out of Range

BFB

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109ABF1.D
Acq On : 09 Nov 2024 06:36 am
Operator : VOA122:TMS
Sample : WG1995828-1
Misc : WG1995828
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024



AutoFind: Scans 384, 385, 386; Background Corrected with Scan 374

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	26243	PASS
75	95	30	60	49.8	61872	PASS
95	95	100	100	100.0	124120	PASS
96	95	5	9	6.6	8201	PASS
173	174	0.00	2	0.9	915	PASS
174	95	50	100	84.7	105157	PASS
175	174	5	9	7.3	7710	PASS
176	174	95	101	97.3	102301	PASS
177	176	5	9	6.7	6874	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A03.D
Acq On : 09 Nov 2024 07:44 am
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG1995828,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 12:18:22 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.944	96	533964	10.000 ug/L	0.00
Standard Area 1 = 524901			Recovery = 101.73%		
62) Chlorobenzene-d5	9.484	117	424248	10.000 ug/L	0.00
Standard Area 1 = 419733			Recovery = 101.08%		
83) 1,4-Dichlorobenzene-d4	12.202	152	226562	10.000 ug/L	0.00
Standard Area 1 = 229516			Recovery = 98.71%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.138	113	181697	9.970 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%		
46) 1,2-Dichloroethane-d4	5.649	65	112072	9.951 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%		
63) Toluene-d8	7.640	98	541203	10.118 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.18%		
87) 4-Bromofluorobenzene	10.984	95	194027	10.490 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.90%		
Target Compounds					Qvalue
4) Vinyl chloride	1.867	62	2420	0.192 ug/L #	38
36) Carbon tetrachloride	5.105	117	2076	0.170 ug/L #	78
44) Benzene	5.531	78	5602	0.171 ug/L #	85
51) Trichloroethene	6.121	95	1495	0.196 ug/L #	80
61) cis-1,3-Dichloropropene	7.432	75	1372	0.144 ug/L #	75
68) trans-1,3-Dichloropropene	8.182	75	1203	0.150 ug/L	90

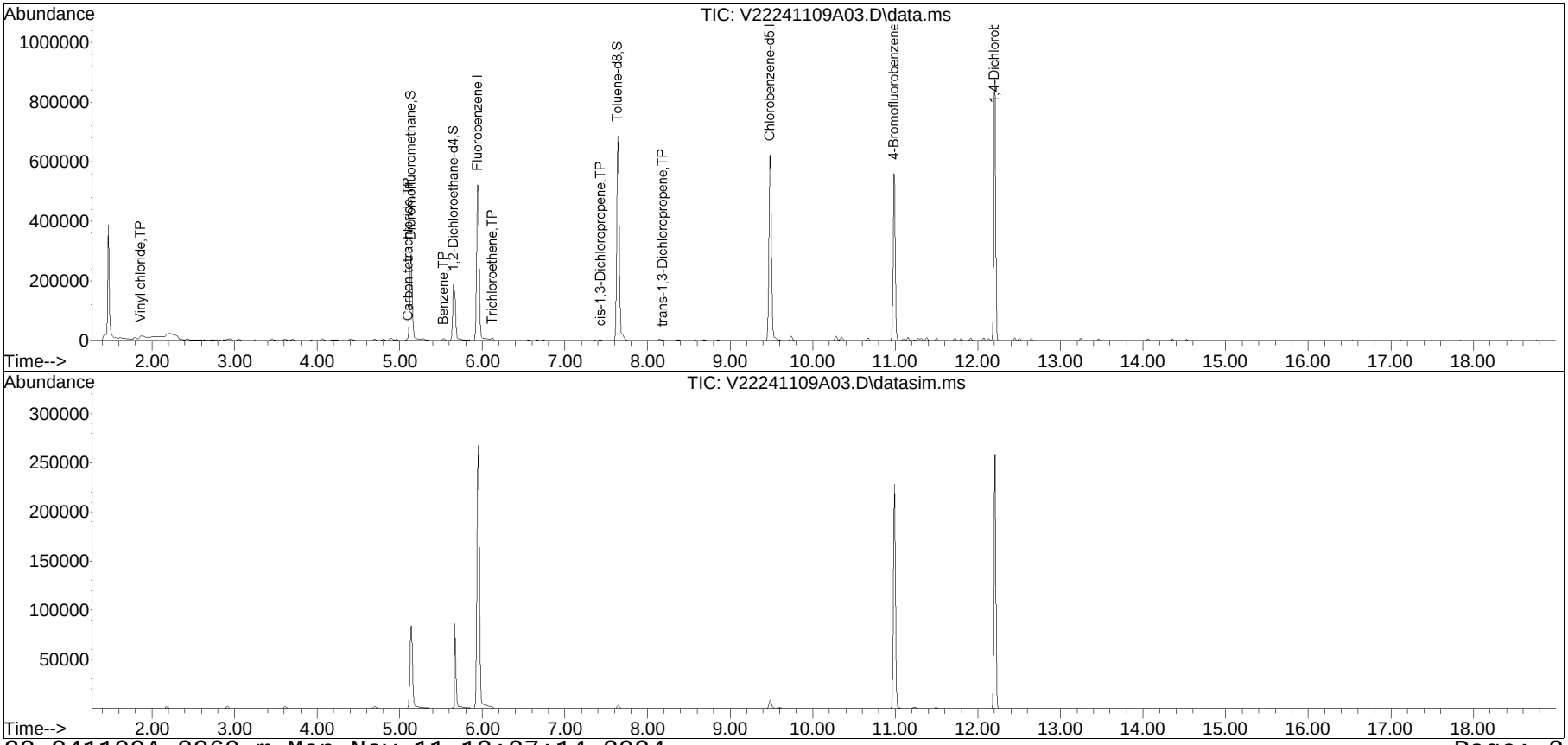
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A03.D
Acq On : 09 Nov 2024 07:44 am
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG1995828,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 12:18:22 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

Sub List : 8260-L11_MCP - L11 MCP109A-ICAL\V22241109A09.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\241109A-ICAQ	Method	: V122_241109A_8260.m
Data File	: V22241109A03.D	Operator	: VOA122:PID
Date Inj'd	: 11/9/2024 7:44 am	Instrument	: VOA 122
Sample	: I8260STD0.19PPB	Quant Date	: 11/11/2024 12:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A05.D
Acq On : 09 Nov 2024 08:33 am
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1995828,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 12:18:30 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.951	96	515239	10.000 ug/L	0.00
Standard Area 1 = 524901			Recovery =	98.16%	
62) Chlorobenzene-d5	9.484	117	413495	10.000 ug/L	0.00
Standard Area 1 = 419733			Recovery =	98.51%	
83) 1,4-Dichlorobenzene-d4	12.202	152	224358	10.000 ug/L	0.00
Standard Area 1 = 229516			Recovery =	97.75%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.138	113	181520	10.322 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.22%	
46) 1,2-Dichloroethane-d4	5.649	65	105683	9.725 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.25%	
63) Toluene-d8	7.640	98	525860	10.087 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.87%	
87) 4-Bromofluorobenzene	10.984	95	188452	10.289 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.89%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.612	85	4245	0.399 ug/L #	94
3) Chloromethane	1.795	50	4310	0.473 ug/L	96
4) Vinyl chloride	1.874	62	5286	0.435 ug/L #	59
5) Bromomethane	2.176	94	4944	0.563 ug/L	91
6) Chloroethane	2.294	64	4715	0.567 ug/L	98
7) Trichlorofluoromethane	2.431	101	5740	0.413 ug/L	96
8) Ethyl ether	2.733	74	1661	0.543 ug/L #	1
10) 1,1-Dichloroethene	2.916	96	3038	0.414 ug/L	91
11) Carbon disulfide	2.942	76	9375	0.421 ug/L	100
12) Freon-113	2.956	101	3031	0.393 ug/L	94
13) Iodomethane	3.054	142	4942	0.536 ug/L	91
14) Acrolein	0.000		0	N.D.	
15) Methylene chloride	3.454	84	4881	0.566 ug/L	88
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.611	96	3495	0.434 ug/L	94
19) Methyl acetate	3.611	43	1946	0.645 ug/L #	67
21) Methyl tert-butyl ether	3.709	73	6336	0.449 ug/L #	78
22) tert-Butyl alcohol	3.794	59	483	1.791 ug/L #	73
24) Diisopropyl ether	4.063	45	9401	0.454 ug/L #	91
25) 1,1-Dichloroethane	4.188	63	6641	0.456 ug/L	97
26) Halothane	4.234	117	2625	0.418 ug/L	91

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A05.D
Acq On : 09 Nov 2024 08:33 am
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1995828,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 12:18:30 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.227	53	657	0.444	ug/L		91
28) Ethyl tert-butyl ether	4.411	59	7807	0.431	ug/L		94
29) Vinyl acetate	4.417	43	5380	0.426	ug/L	#	83
30) cis-1,2-Dichloroethene	4.699	96	4239	0.476	ug/L		93
31) 2,2-Dichloropropane	4.797	77	4617	0.429	ug/L	#	78
32) Bromochloromethane	4.896	128	2314	0.517	ug/L		89
33) Cyclohexane	4.902	56	5554	0.400	ug/L		86
34) Chloroform	4.961	83	7094	0.487	ug/L		95
35) Ethyl acetate	0.000		0	N.D.	d		
36) Carbon tetrachloride	5.099	117	4538	0.385	ug/L		93
37) Tetrahydrofuran	5.125	42	428M6	0.394	ug/L		
39) 1,1,1-Trichloroethane	5.171	97	5578	0.420	ug/L		94
41) 2-Butanone	0.000		0	N.D.	d		
42) 1,1-Dichloropropene	5.289	75	4197	0.391	ug/L		98
44) Benzene	5.531	78	13015	0.411	ug/L		95
45) tert-Amyl methyl ether	5.649	73	5102	0.425	ug/L	#	79
47) 1,2-Dichloroethane	5.734	62	3655	0.475	ug/L		93
50) Methyl cyclohexane	6.121	83	4234	0.364	ug/L		94
51) Trichloroethene	6.127	95	3360	0.455	ug/L		86
53) Dibromomethane	6.556	93	1706	0.434	ug/L	#	79
54) 1,2-Dichloropropane	6.667	63	2651	0.416	ug/L		97
56) 2-Chloroethyl vinyl ether	7.369	63	1338	0.445	ug/L	#	88
57) Bromodichloromethane	6.730	83	3664	0.414	ug/L	#	94
60) 1,4-Dioxane	6.952	88	2385	77.734	ug/L	#	74
61) cis-1,3-Dichloropropene	7.432	75	3487	0.378	ug/L	#	85
64) Toluene	7.703	92	7664	0.447	ug/L		97
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
66) Tetrachloroethene	8.148	166	3050	0.388	ug/L		88
68) trans-1,3-Dichloropropene	8.175	75	3130	0.400	ug/L		90
70) Ethyl methacrylate	8.377	69	1794	0.363	ug/L	#	72
71) 1,1,2-Trichloroethane	8.363	83	1640	0.410	ug/L		98
72) Chlorodibromomethane	8.579	129	2340	0.355	ug/L		96
73) 1,3-Dichloropropane	8.684	76	3624	0.439	ug/L		99
74) 1,2-Dibromoethane	8.853	107	2087	0.424	ug/L		93
76) 2-Hexanone	9.147	43	857	0.447	ug/L	#	47
77) Chlorobenzene	9.505	112	9131	0.461	ug/L	#	74
78) Ethylbenzene	9.554	91	14905	0.437	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.596	131	2620	0.391	ug/L	#	61
80) p/m Xylene	9.743	106	11912	0.847	ug/L		96
81) o Xylene	10.283	106	11383	0.849	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A05.D
Acq On : 09 Nov 2024 08:33 am
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1995828,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 12:18:30 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.346	104	17635	0.818	ug/L		99
84) Bromoform	10.367	173	1167	0.323	ug/L		87
86) Isopropylbenzene	10.669	105	14496	0.418	ug/L		97
88) Bromobenzene	11.097	156	3871	0.475	ug/L		95
89) n-Propylbenzene	11.153	91	16765	0.415	ug/L		98
90) 1,4-Dichlorobutane	11.160	55	3178	0.470	ug/L		100
91) 1,1,2,2-Tetrachloroethane	11.230	83	2665	0.493	ug/L	#	88
92) 4-Ethyltoluene	11.279	105	14609	0.431	ug/L		96
93) 2-Chlorotoluene	11.314	91	10239M6	0.446	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	12618	0.428	ug/L		96
95) 1,2,3-Trichloropropane	11.370	75	2048	0.473	ug/L		92
96) trans-1,4-Dichloro-2-b...	11.426	53	534	0.393	ug/L	#	77
97) 4-Chlorotoluene	11.496	91	11159	0.466	ug/L		99
98) tert-Butylbenzene	11.721	119	10134	0.399	ug/L		98
101) 1,2,4-Trimethylbenzene	11.791	105	7424	0.443	ug/L		99
102) sec-Butylbenzene	11.916	105	14919	0.416	ug/L		97
103) p-Isopropyltoluene	12.069	119	12739	0.406	ug/L		97
104) 1,3-Dichlorobenzene	12.125	146	7690	0.465	ug/L		97
105) 1,4-Dichlorobenzene	12.223	146	8139M3	0.493	ug/L		
106) p-Diethylbenzene	12.445	119	7328	0.404	ug/L		95
107) n-Butylbenzene	12.501	91	10039	0.402	ug/L		97
108) 1,2-Dichlorobenzene	12.647	146	6711	0.455	ug/L		99
109) 1,2,4,5-Tetramethylben...	13.239	119	9752	0.393	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.427	155	275	0.327	ug/L		93
111) 1,3,5-Trichlorobenzene	13.462	180	4139	0.420	ug/L		95
112) Hexachlorobutadiene	14.046	225	1322	0.403	ug/L		94
113) 1,2,4-Trichlorobenzene	14.060	180	3944	0.458	ug/L		96
114) Naphthalene	14.360	128	8621	0.450	ug/L		100
115) 1,2,3-Trichlorobenzene	14.527	180	3272	0.447	ug/L		98

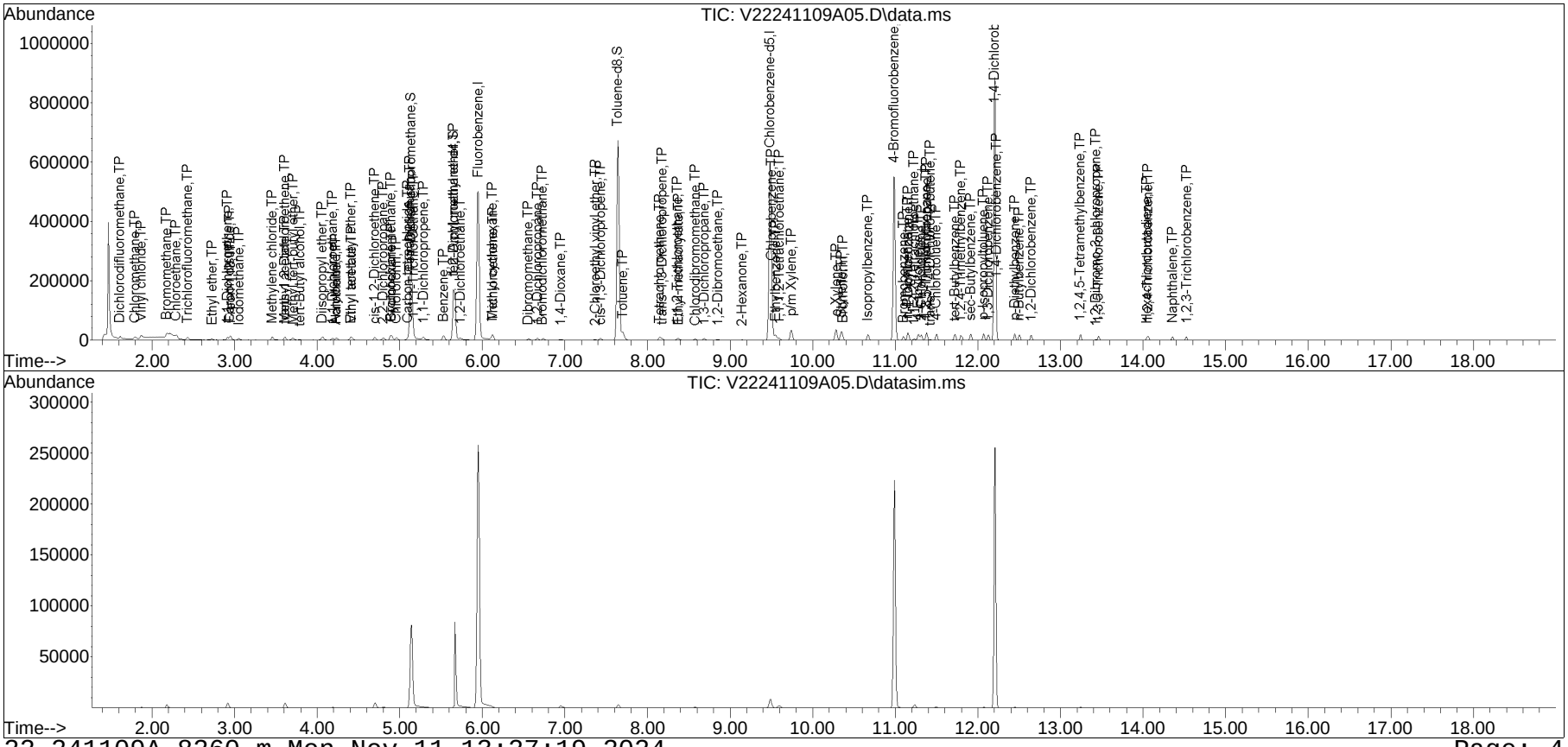
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A05.D
Acq On : 09 Nov 2024 08:33 am
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1995828,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 12:18:30 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•

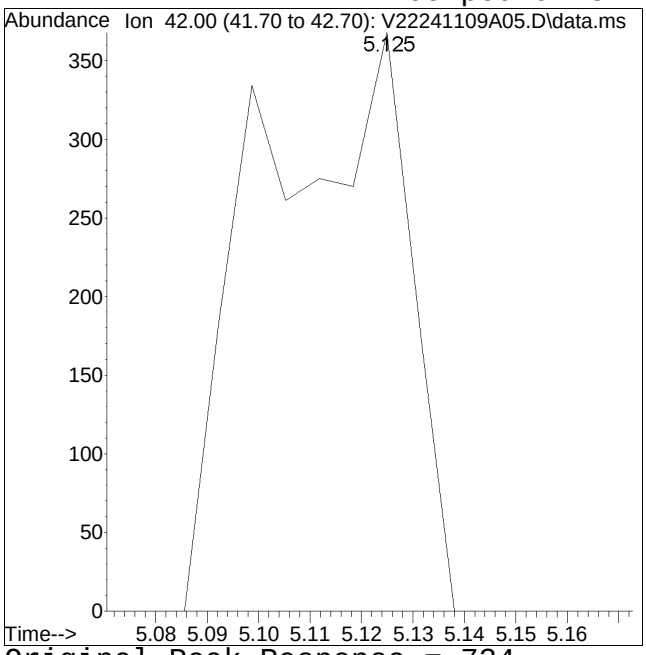


Manual Integration Report

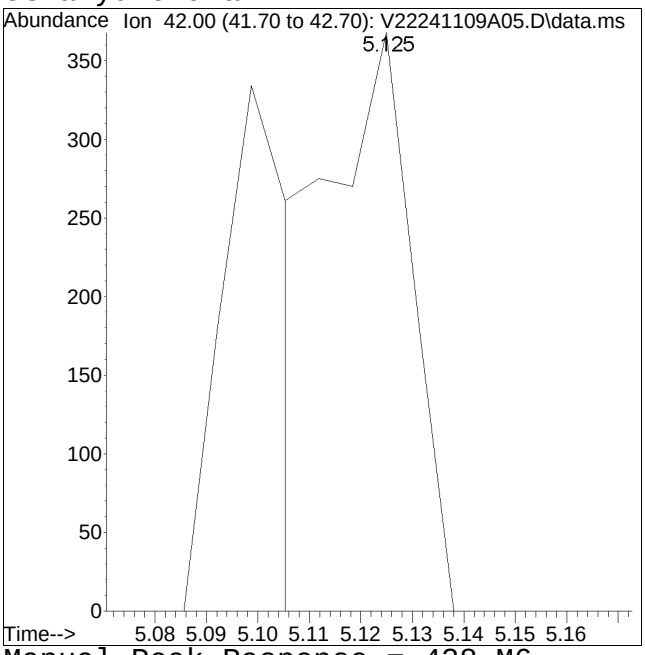
Data Path : K:\VOA122\2024\241109A-ICAQ
Data File : V22241109A05.D
Date Inj'd : 11/9/2024 8:33 am
Sample : I8260STD0.5PPB

Method : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/11/2024 12:18 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 734



Manual Peak Response = 428 M6

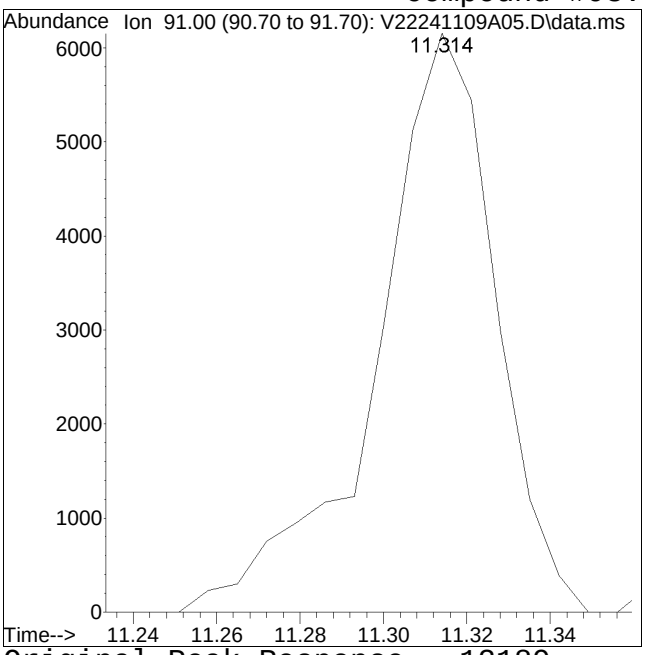
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

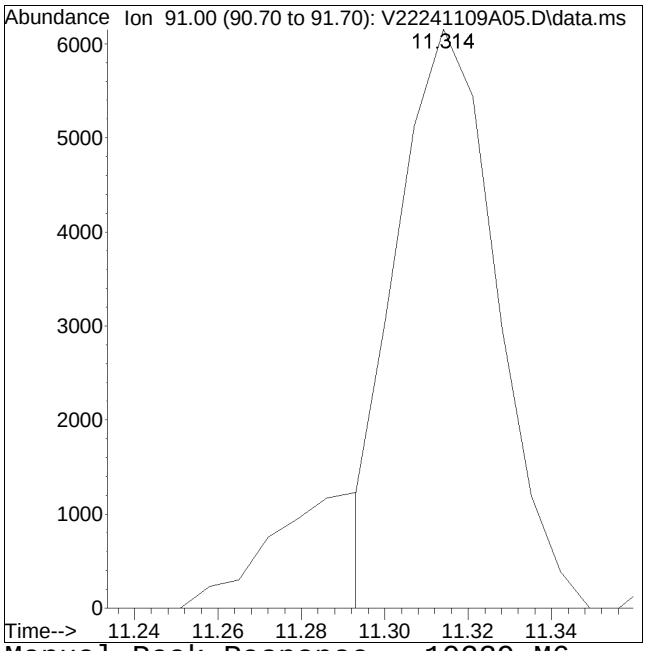
Data Path : K:\VOA122\2024\241109A-ICAQ
Data File : V22241109A05.D
Date Inj'd : 11/9/2024 8:33 am
Sample : I8260STD0.5PPB

Method : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/11/2024 12:18 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 12189



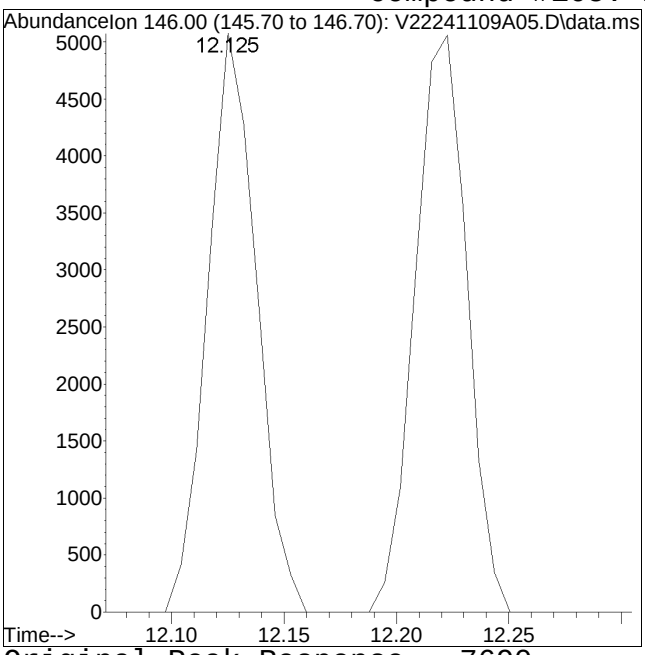
Manual Peak Response = 10239 M6

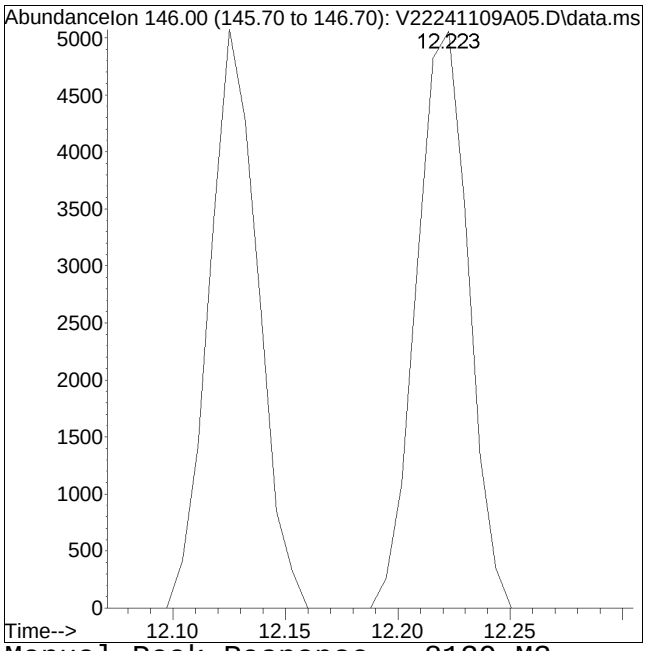
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A05.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 8:33 am Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/11/2024 12:18 pm

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 7690 Manual Peak Response = 8139 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A07.D
Acq On : 09 Nov 2024 09:22 am
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1995828,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 12:18:37 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.950	96	521354	10.000	ug/L	0.00
Standard Area 1 = 524901			Recovery = 99.32%			
62) Chlorobenzene-d5	9.484	117	415694	10.000	ug/L	0.00
Standard Area 1 = 419733			Recovery = 99.04%			
83) 1,4-Dichlorobenzene-d4	12.202	152	228153	10.000	ug/L	0.00
Standard Area 1 = 229516			Recovery = 99.41%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	181771	10.215	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.15%			
46) 1,2-Dichloroethane-d4	5.669	65	110981	10.093	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.93%			
63) Toluene-d8	7.640	98	529516	10.103	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.03%			
87) 4-Bromofluorobenzene	10.984	95	189558	10.177	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	23282	2.162	ug/L	98
3) Chloromethane	1.802	50	20120	2.184	ug/L	96
4) Vinyl chloride	1.874	62	27104	2.206	ug/L	94
5) Bromomethane	2.175	94	19457	2.192	ug/L	99
6) Chloroethane	2.293	64	18801	2.233	ug/L	98
7) Trichlorofluoromethane	2.431	101	29657	2.109	ug/L	100
8) Ethyl ether	2.726	74	6297	2.034	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	15688	2.115	ug/L	91
11) Carbon disulfide	2.949	76	46945	2.081	ug/L	99
12) Freon-113	2.955	101	16040	2.056	ug/L	96
13) Iodomethane	3.054	142	18560	1.989	ug/L	95
14) Acrolein	3.231	56	1062	1.890	ug/L	97
15) Methylene chloride	3.460	84	18418	2.113	ug/L	88
17) Acetone	3.493	43	3063	2.440	ug/L #	87
18) trans-1,2-Dichloroethene	3.611	96	16955	2.082	ug/L	96
19) Methyl acetate	3.617	43	6847	2.244	ug/L #	88
21) Methyl tert-butyl ether	3.703	73	27667	1.937	ug/L #	87
22) tert-Butyl alcohol	3.781	59	2648	9.706	ug/L #	49
24) Diisopropyl ether	4.063	45	41367	1.972	ug/L	93
25) 1,1-Dichloroethane	4.188	63	30514	2.069	ug/L	97
26) Halothane	4.233	117	12521	1.972	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A07.D
Acq On : 09 Nov 2024 09:22 am
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1995828,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 12:18:37 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.227	53	3196	2.133	ug/L		96
28) Ethyl tert-butyl ether	4.410	59	33620	1.836	ug/L		93
29) Vinyl acetate	4.417	43	23864	1.868	ug/L	#	94
30) cis-1,2-Dichloroethene	4.699	96	18682	2.073	ug/L		93
31) 2,2-Dichloropropane	4.804	77	22083	2.027	ug/L		86
32) Bromochloromethane	4.889	128	9166	2.023	ug/L		92
33) Cyclohexane	4.902	56	28760	2.048	ug/L		87
34) Chloroform	4.961	83	31161	2.113	ug/L		96
35) Ethyl acetate	5.072	43	8020	1.929	ug/L	#	91
36) Carbon tetrachloride	5.099	117	23810	1.996	ug/L	#	95
37) Tetrahydrofuran	5.112	42	2496M6	2.268	ug/L		
39) 1,1,1-Trichloroethane	5.164	97	26932	2.004	ug/L		97
41) 2-Butanone	5.249	43	4027	2.258	ug/L	#	53
42) 1,1-Dichloropropene	5.289	75	21809	2.007	ug/L		100
44) Benzene	5.531	78	61755	1.925	ug/L		96
45) tert-Amyl methyl ether	5.643	73	22639	1.864	ug/L	#	81
47) 1,2-Dichloroethane	5.728	62	16019	2.056	ug/L		99
50) Methyl cyclohexane	6.127	83	22594	1.922	ug/L		93
51) Trichloroethene	6.127	95	13956	1.870	ug/L		98
53) Dibromomethane	6.556	93	7649	1.925	ug/L	#	82
54) 1,2-Dichloropropane	6.667	63	12504	1.939	ug/L		96
56) 2-Chloroethyl vinyl ether	7.369	63	5664	1.860	ug/L		98
57) Bromodichloromethane	6.737	83	16787	1.875	ug/L		97
60) 1,4-Dioxane	6.945	88	11995	386.367	ug/L	#	83
61) cis-1,3-Dichloropropene	7.432	75	17024	1.826	ug/L	#	90
64) Toluene	7.703	92	35011	2.030	ug/L		99
65) 4-Methyl-2-pentanone	8.134	58	1930	1.627	ug/L	#	68
66) Tetrachloroethene	8.148	166	15286	1.934	ug/L		92
68) trans-1,3-Dichloropropene	8.175	75	13935	1.770	ug/L		89
70) Ethyl methacrylate	8.377	69	8276	1.668	ug/L	#	80
71) 1,1,2-Trichloroethane	8.363	83	7976	1.982	ug/L		96
72) Chlorodibromomethane	8.572	129	11067	1.671	ug/L		97
73) 1,3-Dichloropropane	8.684	76	16764	2.022	ug/L		100
74) 1,2-Dibromoethane	8.853	107	9430	1.905	ug/L		99
76) 2-Hexanone	9.147	43	3476	1.802	ug/L	#	83
77) Chlorobenzene	9.505	112	40510	2.034	ug/L		96
78) Ethylbenzene	9.554	91	70339	2.051	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.596	131	11818	1.752	ug/L		95
80) p/m Xylene	9.743	106	56876	4.021	ug/L		99
81) o Xylene	10.283	106	53801	3.990	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A07.D
Acq On : 09 Nov 2024 09:22 am
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1995828,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 12:18:37 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.346	104	83560	3.854	ug/L		99
84) Bromoform	10.367	173	6087	1.655	ug/L		99
86) Isopropylbenzene	10.669	105	72405	2.051	ug/L		98
88) Bromobenzene	11.097	156	16254	1.962	ug/L		98
89) n-Propylbenzene	11.153	91	83029	2.023	ug/L		100
90) 1,4-Dichlorobutane	11.160	55	13594	1.977	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.230	83	11036	2.008	ug/L		100
92) 4-Ethyltoluene	11.279	105	70669	2.051	ug/L		100
93) 2-Chlorotoluene	11.314	91	49351M6	2.113	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	60682	2.023	ug/L		100
95) 1,2,3-Trichloropropane	11.370	75	8840	2.010	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.426	53	2888	2.088	ug/L	#	64
97) 4-Chlorotoluene	11.503	91	49981	2.054	ug/L		99
98) tert-Butylbenzene	11.721	119	52254	2.026	ug/L		99
101) 1,2,4-Trimethylbenzene	11.791	105	33840	1.986	ug/L		99
102) sec-Butylbenzene	11.916	105	74580	2.043	ug/L		100
103) p-Isopropyltoluene	12.069	119	64872	2.031	ug/L		99
104) 1,3-Dichlorobenzene	12.125	146	33773	2.010	ug/L		98
105) 1,4-Dichlorobenzene	12.222	146	34442M3	2.051	ug/L		
106) p-Diethylbenzene	12.445	119	36106	1.958	ug/L		99
107) n-Butylbenzene	12.501	91	51587	2.031	ug/L		99
108) 1,2-Dichlorobenzene	12.647	146	30492	2.034	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.239	119	47145	1.870	ug/L		100
110) 1,2-Dibromo-3-chloropr...	13.427	155	1487	1.737	ug/L		96
111) 1,3,5-Trichlorobenzene	13.462	180	19451	1.939	ug/L		97
112) Hexachlorobutadiene	14.046	225	6250	1.872	ug/L		98
113) 1,2,4-Trichlorobenzene	14.060	180	17040	1.945	ug/L		99
114) Naphthalene	14.360	128	39063	2.005	ug/L		100
115) 1,2,3-Trichlorobenzene	14.527	180	14816	1.992	ug/L		98

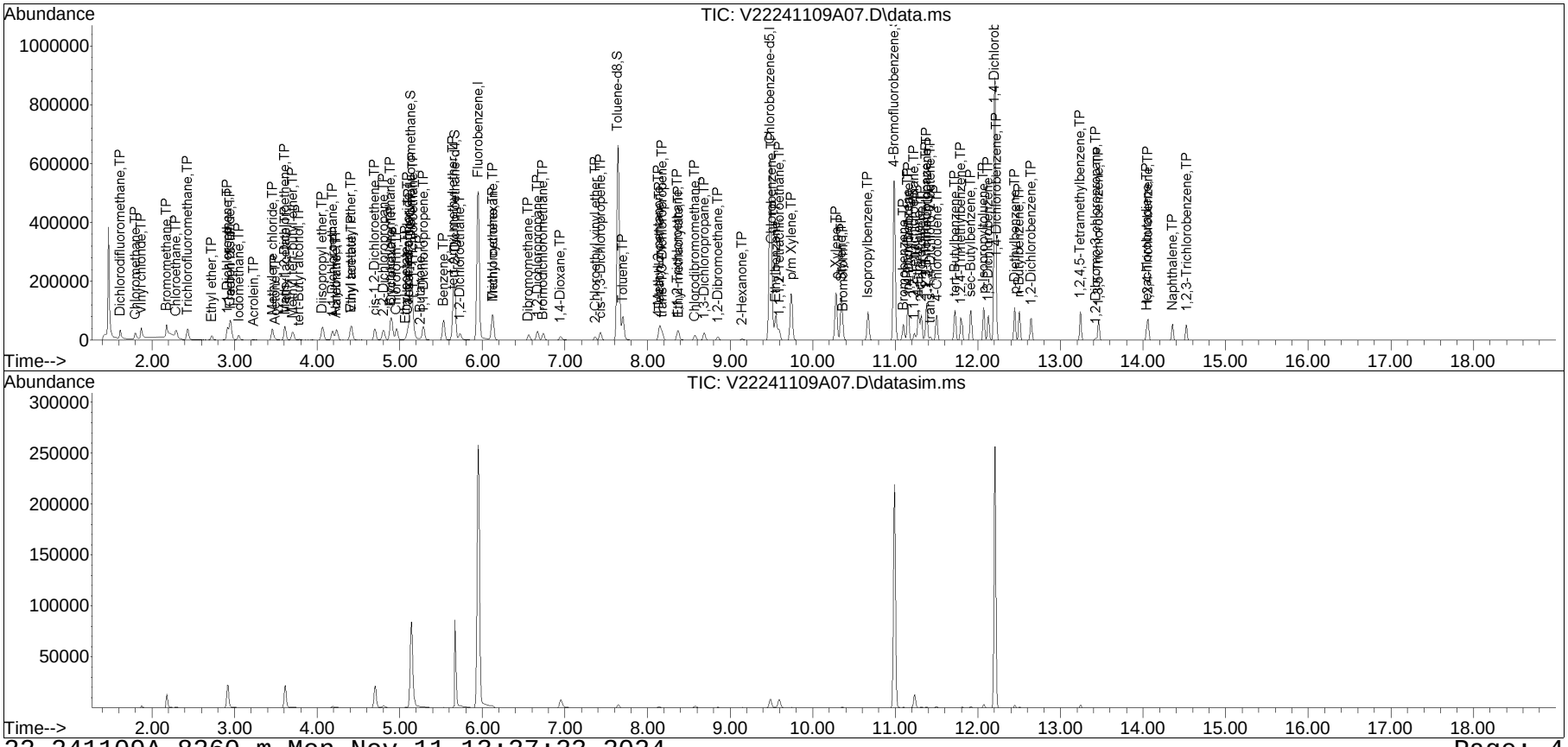
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A07.D
Acq On : 09 Nov 2024 09:22 am
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1995828,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 12:18:37 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•

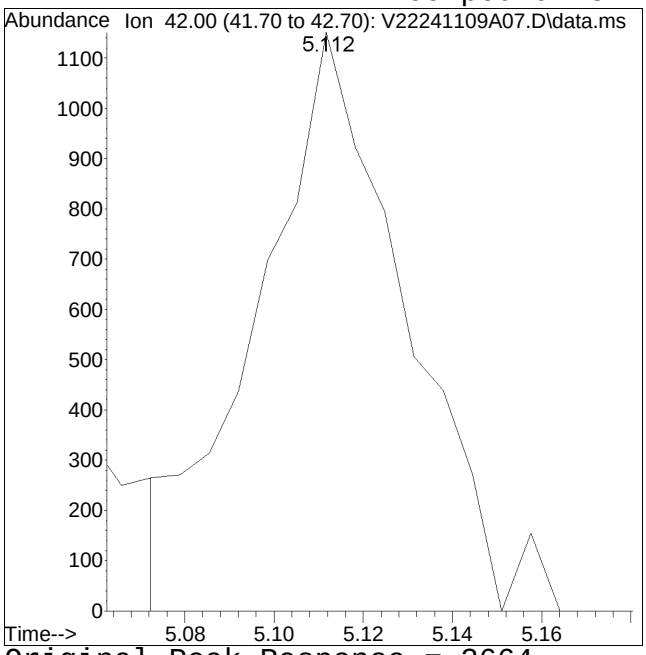


Manual Integration Report

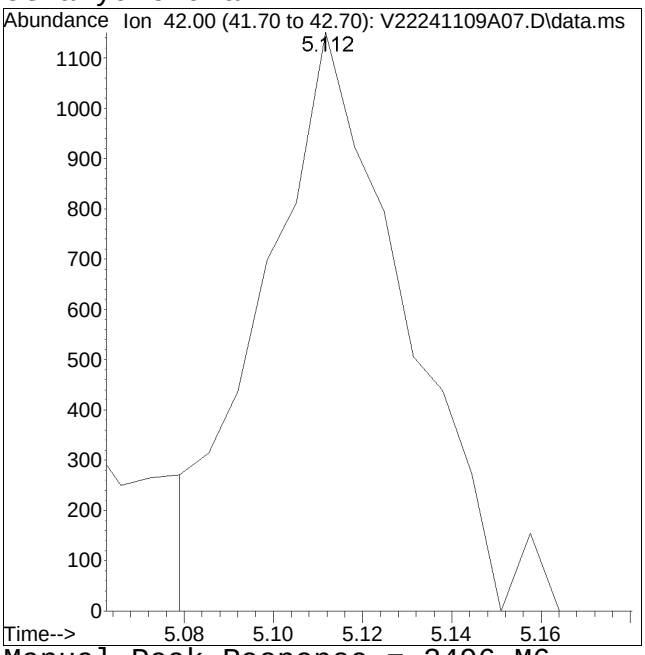
Data Path : K:\VOA122\2024\241109A-ICAQ
Data File : V22241109A07.D
Date Inj'd : 11/9/2024 9:22 am
Sample : I8260STD2PPB

Method : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/11/2024 12:18 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 2664



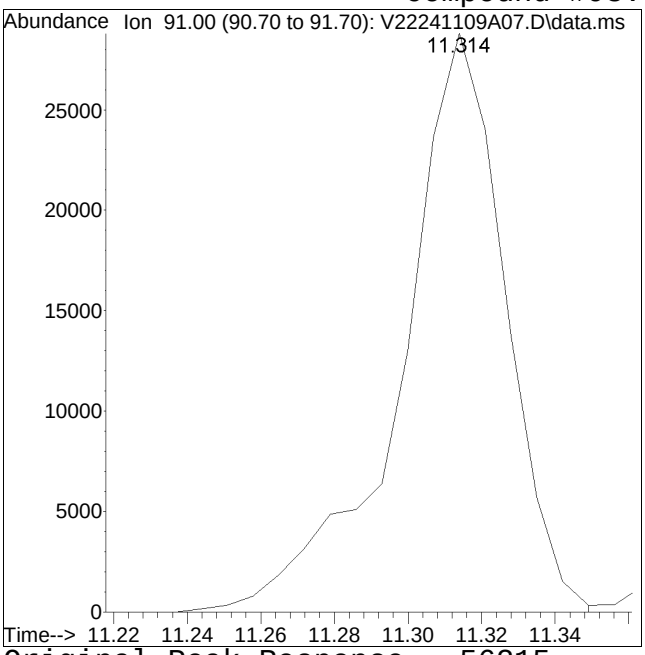
Manual Peak Response = 2496 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

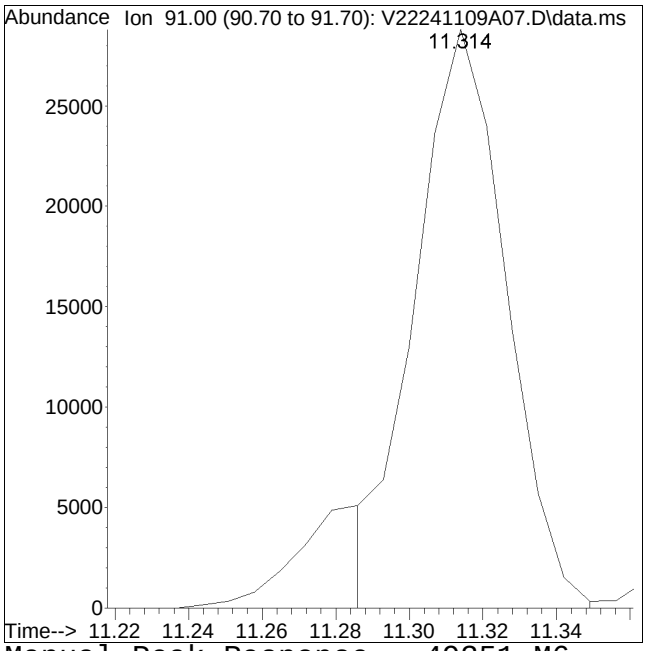
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A07.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 9:22 am Instrument : VOA 122
Sample : I8260STD2PPB Quant Date : 11/11/2024 12:18 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 56215



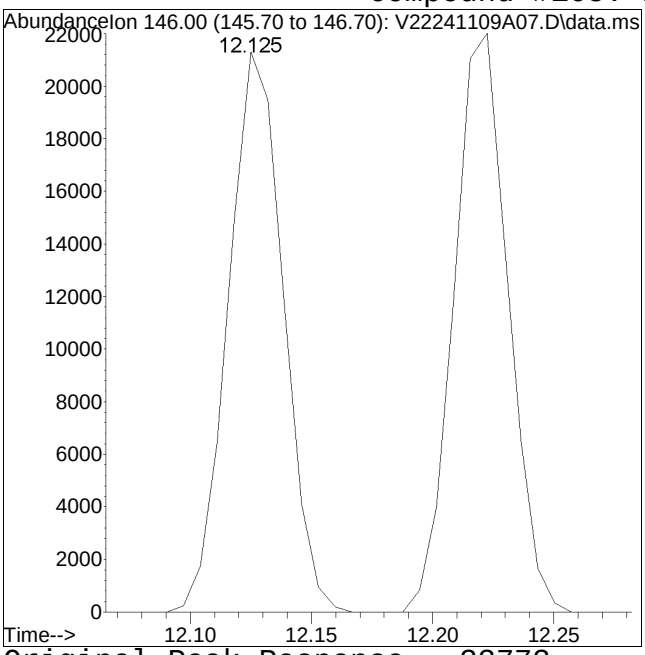
Manual Peak Response = 49351 M6

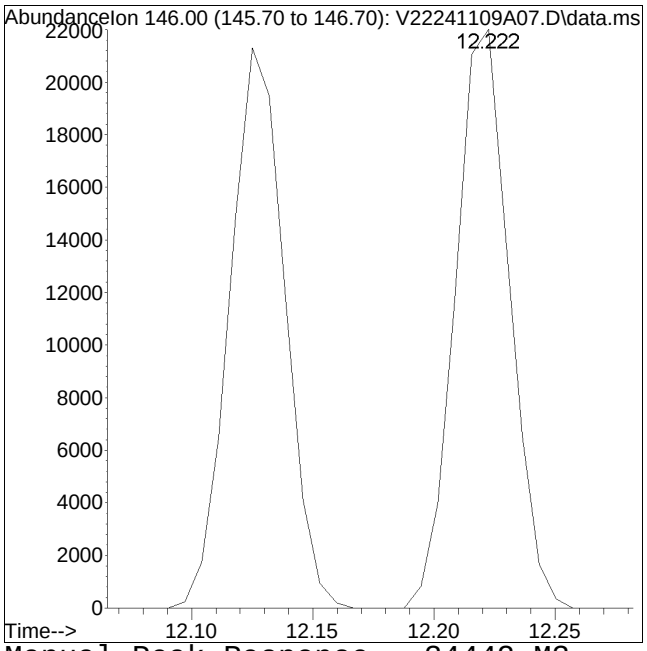
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A07.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 9:22 am Instrument : VOA 122
Sample : I8260STD2PPB Quant Date : 11/11/2024 12:18 pm

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 33773 Manual Peak Response = 34442 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A09.D
Acq On : 09 Nov 2024 10:11 am
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 12:18:44 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.951	96	524901	10.000	ug/L	0.00
Standard Area 1 = 524901			Recovery = 100.00%			
62) Chlorobenzene-d5	9.484	117	419733	10.000	ug/L	0.00
Standard Area 1 = 419733			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.202	152	229516	10.000	ug/L	0.00
Standard Area 1 = 229516			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	182964	10.213	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.13%			
46) 1,2-Dichloroethane-d4	5.669	65	110793	10.008	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.08%			
63) Toluene-d8	7.640	98	534427	10.099	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.99%			
87) 4-Bromofluorobenzene	10.984	95	193188	10.310	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.619	85	121208	11.182	ug/L	97
3) Chloromethane	1.802	50	99440	10.719	ug/L	99
4) Vinyl chloride	1.874	62	136297	11.017	ug/L	96
5) Bromomethane	2.176	94	93641	10.476	ug/L	99
6) Chloroethane	2.294	64	90906	10.722	ug/L	100
7) Trichlorofluoromethane	2.431	101	155943	11.015	ug/L	99
8) Ethyl ether	2.726	74	30742	9.864	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	80799	10.817	ug/L	94
11) Carbon disulfide	2.949	76	244828	10.782	ug/L	100
12) Freon-113	2.956	101	85609	10.899	ug/L	95
13) Iodomethane	3.054	142	94309	10.040	ug/L	93
14) Acrolein	3.224	56	5447	9.626	ug/L	95
15) Methylene chloride	3.460	84	90213	10.277	ug/L	88
17) Acetone	3.493	43	13259	10.490	ug/L	95
18) trans-1,2-Dichloroethene	3.611	96	86727	10.577	ug/L	94
19) Methyl acetate	3.611	43	27533	8.964	ug/L	96
21) Methyl tert-butyl ether	3.709	73	141021	9.805	ug/L #	91
22) tert-Butyl alcohol	3.781	59	13834	50.364	ug/L #	83
24) Diisopropyl ether	4.063	45	210715	9.979	ug/L	95
25) 1,1-Dichloroethane	4.188	63	158316	10.663	ug/L	98
26) Halothane	4.234	117	66231	10.362	ug/L	99

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A09.D
Acq On : 09 Nov 2024 10:11 am
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 12:18:44 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.227	53	15399	10.208	ug/L		93
28) Ethyl tert-butyl ether	4.411	59	178829	9.699	ug/L		94
29) Vinyl acetate	4.417	43	124396	9.671	ug/L		94
30) cis-1,2-Dichloroethene	4.699	96	95494	10.523	ug/L		94
31) 2,2-Dichloropropane	4.804	77	110825	10.101	ug/L		89
32) Bromochloromethane	4.889	128	47210	10.350	ug/L		94
33) Cyclohexane	4.902	56	146801	10.384	ug/L		94
34) Chloroform	4.961	83	154427	10.403	ug/L		96
35) Ethyl acetate	5.072	43	39070	9.336	ug/L		98
36) Carbon tetrachloride	5.105	117	126384	10.526	ug/L		99
37) Tetrahydrofuran	5.118	42	11245M6	10.150	ug/L		
39) 1,1,1-Trichloroethane	5.164	97	141809	10.478	ug/L		97
41) 2-Butanone	5.249	43	17221	9.591	ug/L	#	51
42) 1,1-Dichloropropene	5.289	75	112828	10.312	ug/L		100
44) Benzene	5.531	78	349570	10.824	ug/L		99
45) tert-Amyl methyl ether	5.643	73	119233	9.751	ug/L	#	87
47) 1,2-Dichloroethane	5.728	62	82185	10.476	ug/L		99
50) Methyl cyclohexane	6.121	83	120304	10.164	ug/L		93
51) Trichloroethene	6.127	95	73639	9.798	ug/L		98
53) Dibromomethane	6.563	93	41790	10.445	ug/L	#	78
54) 1,2-Dichloropropane	6.667	63	67612	10.416	ug/L		99
56) 2-Chloroethyl vinyl ether	7.362	63	30878	10.074	ug/L		96
57) Bromodichloromethane	6.737	83	92210	10.228	ug/L		100
60) 1,4-Dioxane	6.952	88	16440	525.965	ug/L	#	83
61) cis-1,3-Dichloropropene	7.432	75	98852	10.531	ug/L		93
64) Toluene	7.703	92	179784	10.326	ug/L		100
65) 4-Methyl-2-pentanone	8.134	58	11205	9.355	ug/L		81
66) Tetrachloroethene	8.148	166	82198	10.302	ug/L		94
68) trans-1,3-Dichloropropene	8.175	75	80813	10.166	ug/L		93
70) Ethyl methacrylate	8.377	69	51840	10.345	ug/L		92
71) 1,1,2-Trichloroethane	8.363	83	41617	10.245	ug/L		97
72) Chlorodibromomethane	8.572	129	64058	9.576	ug/L		98
73) 1,3-Dichloropropane	8.684	76	85712	10.237	ug/L		100
74) 1,2-Dibromoethane	8.853	107	50695	10.144	ug/L		98
76) 2-Hexanone	9.140	43	19421	9.970	ug/L		93
77) Chlorobenzene	9.505	112	207811	10.335	ug/L		90
78) Ethylbenzene	9.554	91	359995	10.398	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.589	131	68352	10.038	ug/L		97
80) p/m Xylene	9.743	106	293905	20.578	ug/L		99
81) o Xylene	10.283	106	278589	20.461	ug/L		99

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A09.D
Acq On : 09 Nov 2024 10:11 am
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 12:18:44 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Styrene	10.346	104	452977	20.693	ug/L	100
84)	Bromoform	10.360	173	34270	9.264	ug/L	98
86)	Isopropylbenzene	10.669	105	380404	10.713	ug/L	100
88)	Bromobenzene	11.097	156	86499	10.381	ug/L	99
89)	n-Propylbenzene	11.153	91	442324	10.712	ug/L	99
90)	1,4-Dichlorobutane	11.160	55	70268	10.157	ug/L	100
91)	1,1,2,2-Tetrachloroethane	11.230	83	56303	10.185	ug/L	100
92)	4-Ethyltoluene	11.279	105	370490	10.687	ug/L	99
93)	2-Chlorotoluene	11.314	91	250006M6	10.642	ug/L	
94)	1,3,5-Trimethylbenzene	11.377	105	317613	10.527	ug/L	100
95)	1,2,3-Trichloropropane	11.370	75	44670	10.095	ug/L	99
96)	trans-1,4-Dichloro-2-b...	11.426	53	14152	10.171	ug/L	82
97)	4-Chlorotoluene	11.496	91	255311	10.432	ug/L	97
98)	tert-Butylbenzene	11.721	119	276336	10.648	ug/L	99
101)	1,2,4-Trimethylbenzene	11.791	105	178698	10.426	ug/L	98
102)	sec-Butylbenzene	11.916	105	394924	10.754	ug/L	100
103)	p-Isopropyltoluene	12.069	119	345472	10.750	ug/L	99
104)	1,3-Dichlorobenzene	12.125	146	175735	10.396	ug/L	98
105)	1,4-Dichlorobenzene	12.223	146	172640	10.221	ug/L	98
106)	p-Diethylbenzene	12.445	119	194103	10.464	ug/L	100
107)	n-Butylbenzene	12.501	91	275873	10.797	ug/L	98
108)	1,2-Dichlorobenzene	12.647	146	157564	10.447	ug/L	98
109)	1,2,4,5-Tetramethylben...	13.239	119	269837	10.637	ug/L	99
110)	1,2-Dibromo-3-chloropr...	13.427	155	8699	10.098	ug/L	99
111)	1,3,5-Trichlorobenzene	13.462	180	106808	10.586	ug/L	97
112)	Hexachlorobutadiene	14.046	225	34000	10.121	ug/L	98
113)	1,2,4-Trichlorobenzene	14.060	180	90844	10.308	ug/L	98
114)	Naphthalene	14.353	128	208426	10.635	ug/L	100
115)	1,2,3-Trichlorobenzene	14.527	180	78110	10.441	ug/L	98

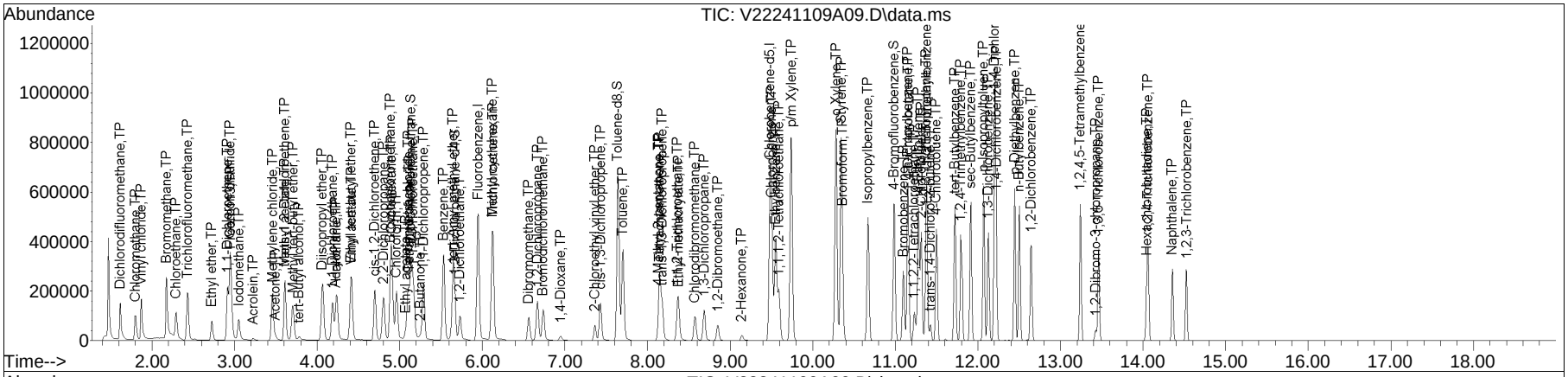
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A09.D
Acq On : 09 Nov 2024 10:11 am
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 12:18:44 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

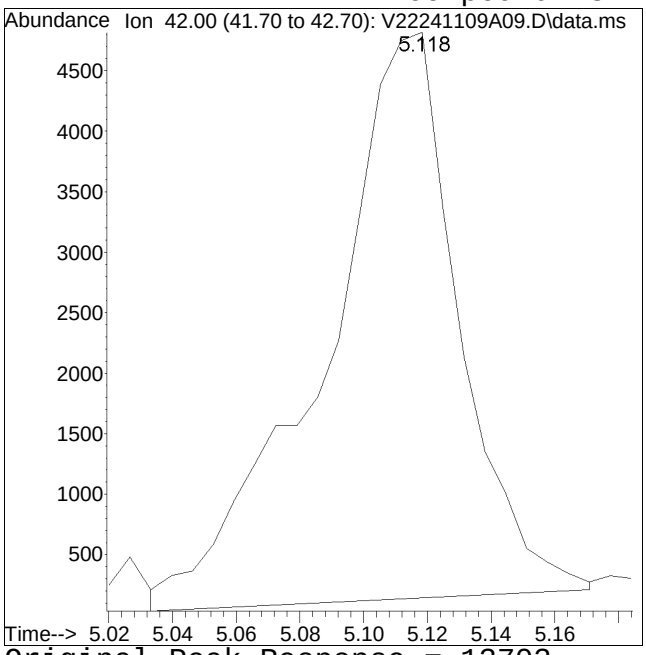
Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•



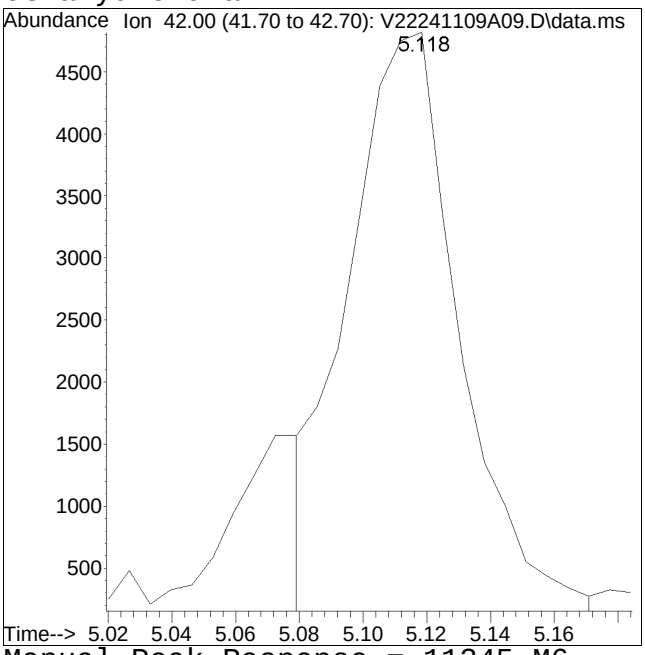
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A09.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 10:11 am Instrument : VOA 122
Sample : I8260STD10PPB Quant Date : 11/11/2024 12:18 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 13703



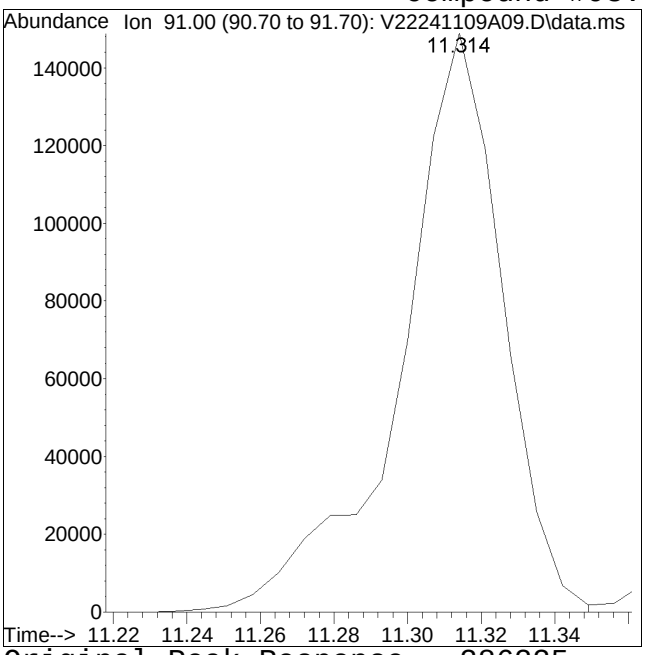
Manual Peak Response = 11245 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

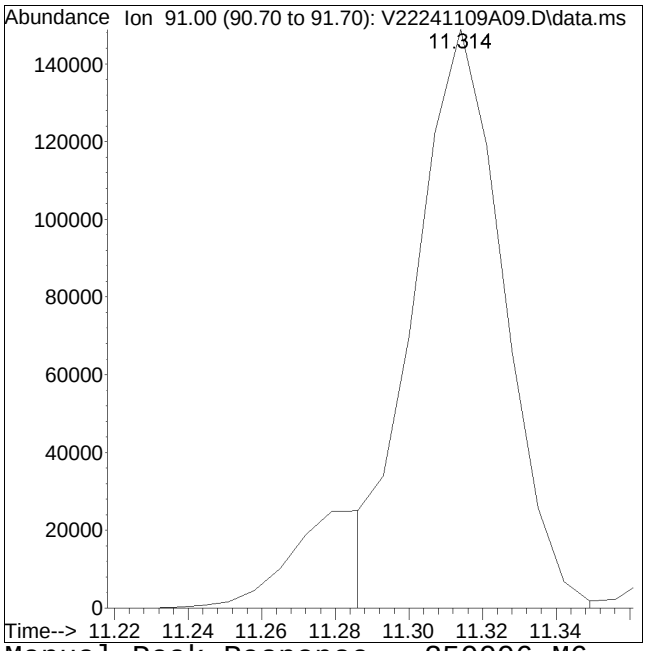
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A09.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 10:11 am Instrument : VOA 122
Sample : I8260STD10PPB Quant Date : 11/11/2024 12:18 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 286225



Manual Peak Response = 250006 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A10.D
Acq On : 09 Nov 2024 10:36 am
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1995828,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 12:18:51 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.951	96	553615	10.000	ug/L	0.00
Standard Area 1 = 524901			Recovery = 105.47%			
62) Chlorobenzene-d5	9.484	117	440145	10.000	ug/L	0.00
Standard Area 1 = 419733			Recovery = 104.86%			
83) 1,4-Dichlorobenzene-d4	12.202	152	248151	10.000	ug/L	0.00
Standard Area 1 = 229516			Recovery = 108.12%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	187609	9.929	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.29%			
46) 1,2-Dichloroethane-d4	5.669	65	114767	9.829	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.29%			
63) Toluene-d8	7.640	98	553509	9.974	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.74%			
87) 4-Bromofluorobenzene	10.984	95	198266	9.787	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	364903	31.918	ug/L	97
3) Chloromethane	1.802	50	299456	30.606	ug/L	98
4) Vinyl chloride	1.874	62	409602	31.390	ug/L	100
5) Bromomethane	2.176	94	277657	29.451	ug/L	98
6) Chloroethane	2.294	64	262761	29.383	ug/L	100
7) Trichlorofluoromethane	2.431	101	474635	31.786	ug/L	99
8) Ethyl ether	2.726	74	97954	29.801	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	245839	31.204	ug/L	90
11) Carbon disulfide	2.949	76	734542	30.671	ug/L	99
12) Freon-113	2.955	101	256331	30.940	ug/L	96
13) Iodomethane	3.054	142	298695	30.148	ug/L	93
14) Acrolein	3.224	56	18208	30.508	ug/L	99
15) Methylene chloride	3.460	84	270656	29.235	ug/L	88
17) Acetone	3.493	43	38570	28.932	ug/L	100
18) trans-1,2-Dichloroethene	3.611	96	264012	30.528	ug/L	94
19) Methyl acetate	3.611	43	89066	27.493	ug/L	96
21) Methyl tert-butyl ether	3.709	73	458862	30.249	ug/L	93
22) tert-Butyl alcohol	3.788	59	42918	148.143	ug/L #	84
24) Diisopropyl ether	4.063	45	672546	30.198	ug/L	95
25) 1,1-Dichloroethane	4.188	63	478746	30.573	ug/L	99
26) Halothane	4.240	117	202654	30.061	ug/L	99

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A10.D
Acq On : 09 Nov 2024 10:36 am
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1995828,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 12:18:51 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.220	53	48397	30.418	ug/L		94
28) Ethyl tert-butyl ether	4.410	59	594105	30.551	ug/L		94
29) Vinyl acetate	4.417	43	413060	30.447	ug/L		95
30) cis-1,2-Dichloroethene	4.699	96	290805	30.383	ug/L		94
31) 2,2-Dichloropropane	4.804	77	355458	30.719	ug/L		91
32) Bromochloromethane	4.889	128	145475	30.238	ug/L		94
33) Cyclohexane	4.902	56	466306	31.273	ug/L		92
34) Chloroform	4.961	83	466004	29.763	ug/L		97
35) Ethyl acetate	5.072	43	133350	30.211	ug/L		98
36) Carbon tetrachloride	5.105	117	399903	31.578	ug/L		99
37) Tetrahydrofuran	5.112	42	35157M6	30.087	ug/L		
39) 1,1,1-Trichloroethane	5.164	97	447159	31.327	ug/L		98
41) 2-Butanone	5.249	43	52625	27.788	ug/L	#	61
42) 1,1-Dichloropropene	5.289	75	364444	31.581	ug/L		97
44) Benzene	5.531	78	1092296	32.067	ug/L		99
45) tert-Amyl methyl ether	5.643	73	401061	31.097	ug/L	#	90
47) 1,2-Dichloroethane	5.728	62	254095	30.708	ug/L		98
50) Methyl cyclohexane	6.121	83	391730	31.379	ug/L		94
51) Trichloroethene	6.127	95	236998	29.899	ug/L		99
53) Dibromomethane	6.563	93	133127	31.548	ug/L	#	84
54) 1,2-Dichloropropane	6.667	63	213855	31.236	ug/L		99
56) 2-Chloroethyl vinyl ether	7.362	63	99588	30.805	ug/L		96
57) Bromodichloromethane	6.737	83	298059	31.345	ug/L		100
60) 1,4-Dioxane	6.952	88	21433	650.141	ug/L	#	85
61) cis-1,3-Dichloropropene	7.432	75	331478	33.481	ug/L		95
64) Toluene	7.703	92	557354	30.528	ug/L		99
65) 4-Methyl-2-pentanone	8.134	58	38716	30.824	ug/L		85
66) Tetrachloroethene	8.148	166	260676	31.155	ug/L		95
68) trans-1,3-Dichloropropene	8.175	75	274481	32.929	ug/L		95
70) Ethyl methacrylate	8.377	69	173571	33.030	ug/L		94
71) 1,1,2-Trichloroethane	8.363	83	131733	30.924	ug/L		99
72) Chlorodibromomethane	8.579	129	215970	30.789	ug/L		99
73) 1,3-Dichloropropane	8.684	76	272639	31.053	ug/L		99
74) 1,2-Dibromoethane	8.853	107	165255	31.535	ug/L		99
76) 2-Hexanone	9.140	43	64018	31.340	ug/L		94
77) Chlorobenzene	9.505	112	640946	30.397	ug/L		89
78) Ethylbenzene	9.554	91	1124451	30.972	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.589	131	223817	31.345	ug/L		98
80) p/m Xylene	9.743	106	919139	61.370	ug/L		100
81) o Xylene	10.283	106	875117	61.293	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A10.D
Acq On : 09 Nov 2024 10:36 am
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1995828,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 12:18:51 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.346	104	1445594	62.974	ug/L	100
84) Bromoform	10.367	173	123910	30.979	ug/L	100
86) Isopropylbenzene	10.669	105	1190143	31.000	ug/L	100
88) Bromobenzene	11.097	156	269590	29.924	ug/L	100
89) n-Propylbenzene	11.153	91	1391503	31.170	ug/L	100
90) 1,4-Dichlorobutane	11.160	55	222882	29.798	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.230	83	181508	30.369	ug/L	99
92) 4-Ethyltoluene	11.279	105	1162570	31.018	ug/L	99
93) 2-Chlorotoluene	11.314	91	781607M6	30.772	ug/L	
94) 1,3,5-Trimethylbenzene	11.377	105	1009455	30.946	ug/L	100
95) 1,2,3-Trichloropropane	11.370	75	142061	29.695	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.426	53	46834	31.132	ug/L	89
97) 4-Chlorotoluene	11.496	91	801254	30.281	ug/L	97
98) tert-Butylbenzene	11.721	119	871010	31.042	ug/L	100
101) 1,2,4-Trimethylbenzene	11.791	105	553790	29.883	ug/L	99
102) sec-Butylbenzene	11.916	105	1250660	31.499	ug/L	99
103) p-Isopropyltoluene	12.069	119	1102741	31.738	ug/L	100
104) 1,3-Dichlorobenzene	12.125	146	559156	30.594	ug/L	99
105) 1,4-Dichlorobenzene	12.223	146	545415	29.865	ug/L	98
106) p-Diethylbenzene	12.445	119	630704	31.447	ug/L	100
107) n-Butylbenzene	12.501	91	875313	31.684	ug/L	99
108) 1,2-Dichlorobenzene	12.647	146	498526	30.572	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	881367	32.135	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.427	155	30001	32.212	ug/L	98
111) 1,3,5-Trichlorobenzene	13.462	180	344364	31.568	ug/L	97
112) Hexachlorobutadiene	14.046	225	113163	31.155	ug/L	99
113) 1,2,4-Trichlorobenzene	14.060	180	293960	30.850	ug/L	99
114) Naphthalene	14.360	128	668376	31.544	ug/L	100
115) 1,2,3-Trichlorobenzene	14.527	180	252615	31.231	ug/L	99

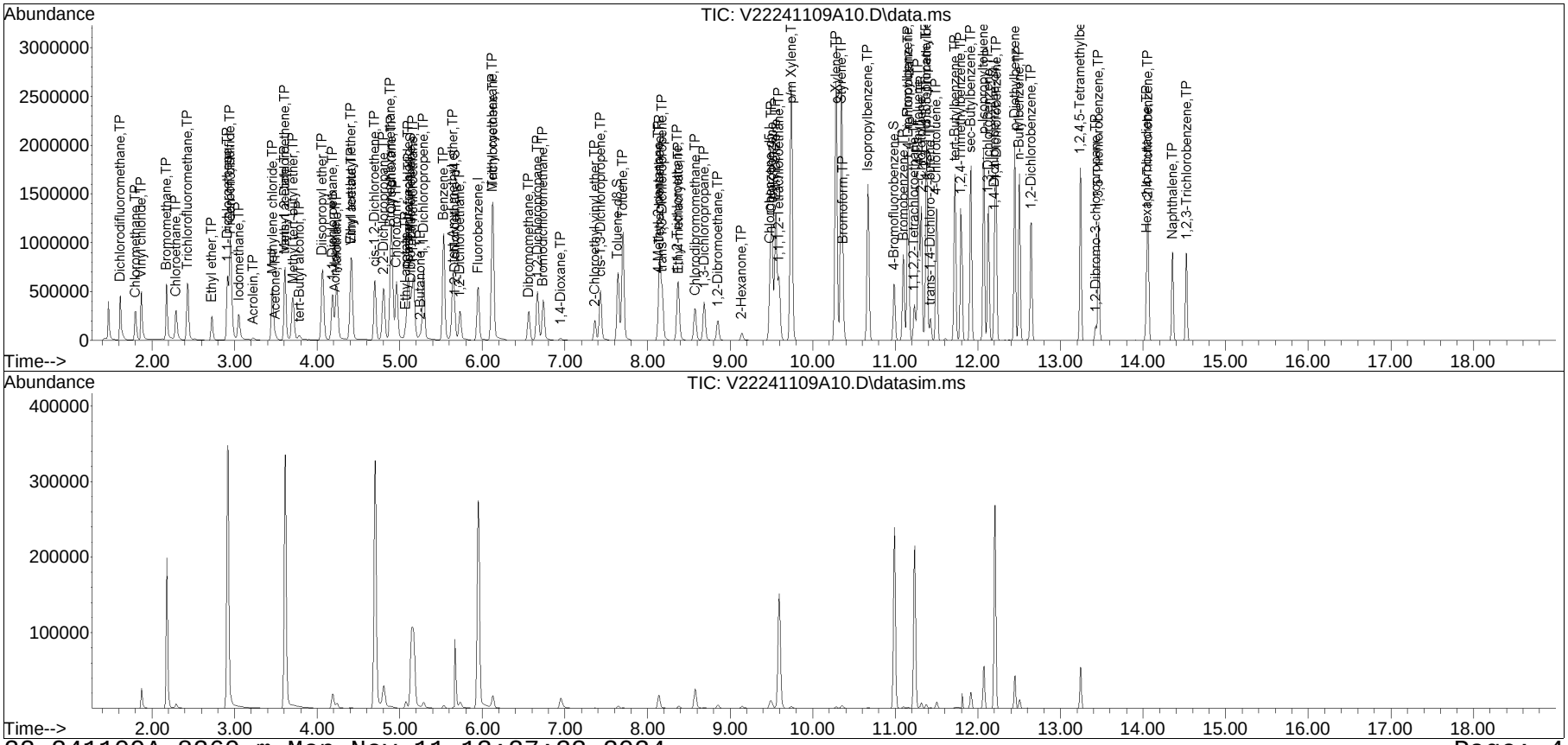
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A10.D
Acq On : 09 Nov 2024 10:36 am
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1995828,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 12:18:51 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

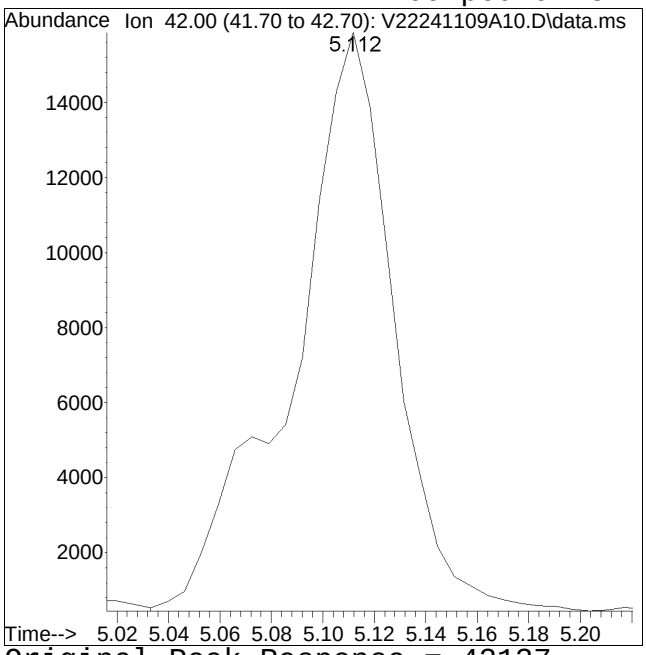
Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•



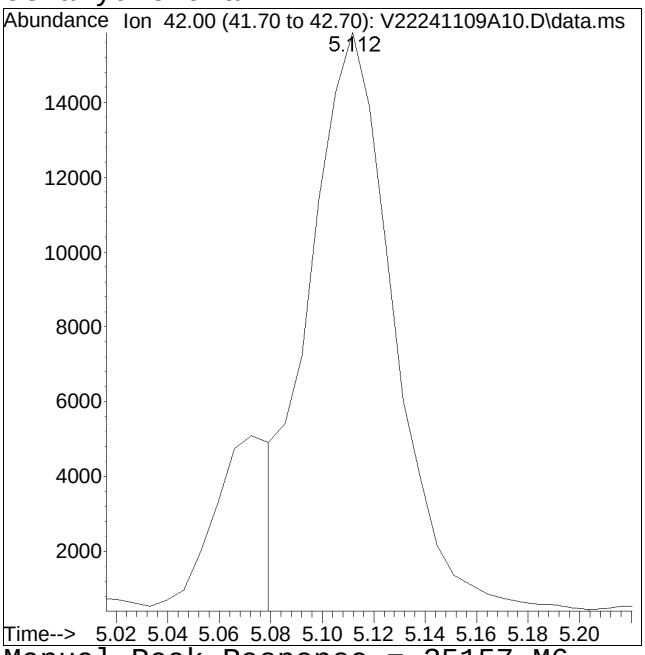
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A10.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 10:36 am Instrument : VOA 122
Sample : I8260STD30PPB Quant Date : 11/11/2024 12:18 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 42137



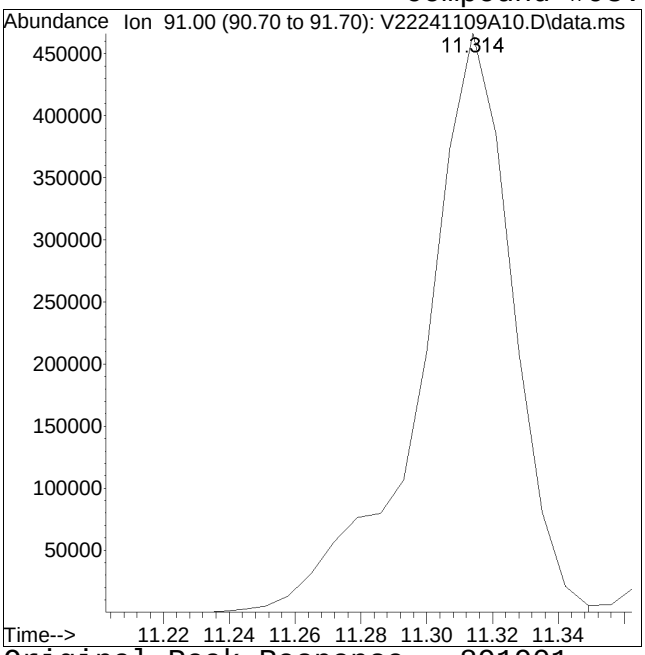
Manual Peak Response = 35157 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

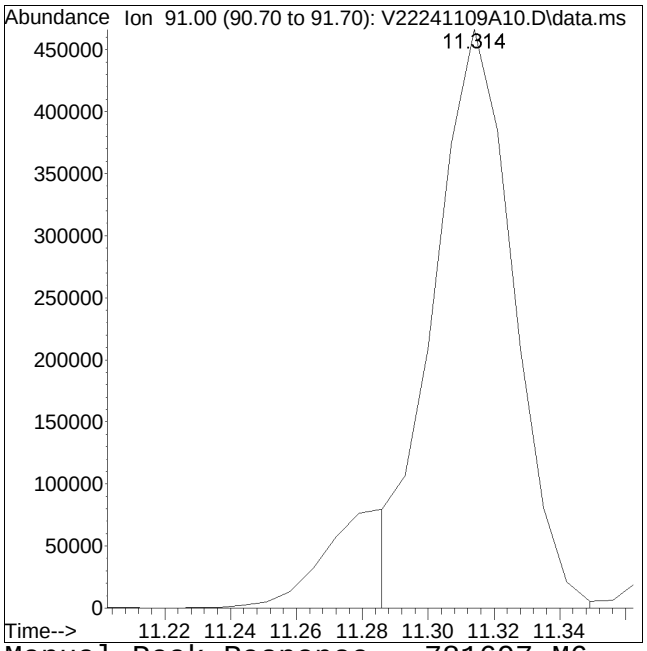
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A10.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 10:36 am Instrument : VOA 122
Sample : I8260STD30PPB Quant Date : 11/11/2024 12:18 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 891901



Manual Peak Response = 781607 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A11.D
Acq On : 09 Nov 2024 11:01 am
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1995828,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 12:18:59 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.951	96	586254	10.000	ug/L	0.00
Standard Area 1 = 524901			Recovery = 111.69%			
62) Chlorobenzene-d5	9.484	117	460856	10.000	ug/L	0.00
Standard Area 1 = 419733			Recovery = 109.80%			
83) 1,4-Dichlorobenzene-d4	12.209	152	260004	10.000	ug/L	0.00
Standard Area 1 = 229516			Recovery = 113.28%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	194108	9.701	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.01%			
46) 1,2-Dichloroethane-d4	5.669	65	123196	9.963	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%			
63) Toluene-d8	7.641	98	576683	9.925	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.25%			
87) 4-Bromofluorobenzene	10.985	95	206310	9.720	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.619	85	998575	82.483	ug/L	98
3) Chloromethane	1.796	50	816577	78.811	ug/L	98
4) Vinyl chloride	1.874	62	1101191	79.693	ug/L	99
5) Bromomethane	2.176	94	745038	74.626	ug/L	99
6) Chloroethane	2.287	64	713862	75.384	ug/L	100
7) Trichlorofluoromethane	2.431	101	1298306	82.105	ug/L	99
8) Ethyl ether	2.726	74	270536	77.723	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	675570	80.976	ug/L	90
11) Carbon disulfide	2.943	76	2067416	81.519	ug/L	99
12) Freon-113	2.956	101	727578	82.932	ug/L	95
13) Iodomethane	3.048	142	841221	80.179	ug/L	93
14) Acrolein	3.224	56	51137	80.912	ug/L	98
15) Methylene chloride	3.460	84	739340	75.414	ug/L	88
17) Acetone	3.493	43	104284	73.870	ug/L	96
18) trans-1,2-Dichloroethene	3.611	96	744996	81.348	ug/L	95
19) Methyl acetate	3.611	43	248282	72.372	ug/L	97
21) Methyl tert-butyl ether	3.710	73	1326877	82.601	ug/L	95
22) tert-Butyl alcohol	3.782	59	132151	430.760	ug/L #	83
24) Diisopropyl ether	4.063	45	1925965	81.664	ug/L	95
25) 1,1-Dichloroethane	4.188	63	1325944	79.962	ug/L	99
26) Halothane	4.240	117	597657	83.719	ug/L	100

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A11.D
Acq On : 09 Nov 2024 11:01 am
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1995828,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 12:18:59 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.221	53	133676	79.340	ug/L		93
28) Ethyl tert-butyl ether	4.411	59	1711739	83.122	ug/L		93
29) Vinyl acetate	4.417	43	1223401	85.158	ug/L		94
30) cis-1,2-Dichloroethene	4.699	96	800490	78.978	ug/L		94
31) 2,2-Dichloropropane	4.804	77	1021017	83.324	ug/L		92
32) Bromochloromethane	4.889	128	396962	77.918	ug/L		95
33) Cyclohexane	4.902	56	1320695	83.642	ug/L		91
34) Chloroform	4.961	83	1302021	78.529	ug/L		97
35) Ethyl acetate	5.073	43	379187	81.123	ug/L		98
36) Carbon tetrachloride	5.106	117	1160157	86.510	ug/L		99
37) Tetrahydrofuran	5.112	42	99140M6	80.118	ug/L		
39) 1,1,1-Trichloroethane	5.165	97	1263292	83.575	ug/L		98
41) 2-Butanone	5.250	43	159118	79.343	ug/L	#	57
42) 1,1-Dichloropropene	5.289	75	1033201	84.548	ug/L		100
44) Benzene	5.532	78	3087139	85.586	ug/L		98
45) tert-Amyl methyl ether	5.643	73	1153402	84.453	ug/L	#	92
47) 1,2-Dichloroethane	5.728	62	694205	79.227	ug/L		97
50) Methyl cyclohexane	6.121	83	1140791	86.294	ug/L		94
51) Trichloroethene	6.128	95	695183	82.819	ug/L		100
53) Dibromomethane	6.563	93	366468	82.010	ug/L	#	85
54) 1,2-Dichloropropane	6.667	63	604043	83.316	ug/L		99
56) 2-Chloroethyl vinyl ether	7.362	63	285381	83.360	ug/L		97
57) Bromodichloromethane	6.737	83	848017	84.216	ug/L		100
60) 1,4-Dioxane	6.952	88	30109	862.467	ug/L	#	84
61) cis-1,3-Dichloropropene	7.432	75	948201	90.442	ug/L		95
64) Toluene	7.703	92	1568920	82.072	ug/L		99
65) 4-Methyl-2-pentanone	8.134	58	111681	84.920	ug/L		90
66) Tetrachloroethene	8.148	166	743586	84.876	ug/L		95
68) trans-1,3-Dichloropropene	8.176	75	791412	90.677	ug/L		95
70) Ethyl methacrylate	8.377	69	483179	87.814	ug/L		94
71) 1,1,2-Trichloroethane	8.363	83	372208	83.448	ug/L		98
72) Chlorodibromomethane	8.572	129	676370	92.092	ug/L		94
73) 1,3-Dichloropropane	8.685	76	755961	82.233	ug/L		100
74) 1,2-Dibromoethane	8.853	107	458241	83.515	ug/L		99
76) 2-Hexanone	9.140	43	180679	84.475	ug/L		95
77) Chlorobenzene	9.505	112	1793858	81.252	ug/L		89
78) Ethylbenzene	9.554	91	3145068	82.734	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.596	131	658604	88.090	ug/L		97
80) p/m Xylene	9.744	106	2605832	166.171	ug/L		98
81) o Xylene	10.283	106	2486875	166.352	ug/L		98

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A11.D
Acq On : 09 Nov 2024 11:01 am
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1995828,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 12:18:59 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.347	104	4085588	169.982	ug/L	99
84) Bromoform	10.368	173	377519	90.081	ug/L	99
86) Isopropylbenzene	10.669	105	3313615	82.375	ug/L	99
88) Bromobenzene	11.097	156	764002	80.937	ug/L	100
89) n-Propylbenzene	11.153	91	3901219	83.403	ug/L	99
90) 1,4-Dichlorobutane	11.160	55	627912	80.120	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.230	83	497369	79.422	ug/L	100
92) 4-Ethyltoluene	11.279	105	3222484	82.058	ug/L	98
93) 2-Chlorotoluene	11.314	91	2185041M6	82.103	ug/L	
94) 1,3,5-Trimethylbenzene	11.384	105	2822161	82.573	ug/L	99
95) 1,2,3-Trichloropropane	11.370	75	397429	79.287	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.427	53	129475	82.142	ug/L	93
97) 4-Chlorotoluene	11.504	91	2243496	80.921	ug/L	97
98) tert-Butylbenzene	11.721	119	2466185	83.887	ug/L	100
101) 1,2,4-Trimethylbenzene	11.791	105	1520779	78.322	ug/L	99
102) sec-Butylbenzene	11.917	105	3462785	83.236	ug/L	98
103) p-Isopropyltoluene	12.070	119	3048383	83.737	ug/L	99
104) 1,3-Dichlorobenzene	12.125	146	1557814	81.349	ug/L	99
105) 1,4-Dichlorobenzene	12.223	146	1537085	80.329	ug/L	99
106) p-Diethylbenzene	12.446	119	1781835	84.792	ug/L	99
107) n-Butylbenzene	12.501	91	2434485	84.104	ug/L	99
108) 1,2-Dichlorobenzene	12.647	146	1394876	81.641	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	2471183	85.993	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.427	155	88195	90.377	ug/L	100
111) 1,3,5-Trichlorobenzene	13.462	180	966825	84.589	ug/L	97
112) Hexachlorobutadiene	14.047	225	330149	86.751	ug/L	99
113) 1,2,4-Trichlorobenzene	14.061	180	831023	83.238	ug/L	98
114) Naphthalene	14.353	128	1814999	81.754	ug/L	100
115) 1,2,3-Trichlorobenzene	14.527	180	698209	82.384	ug/L	98

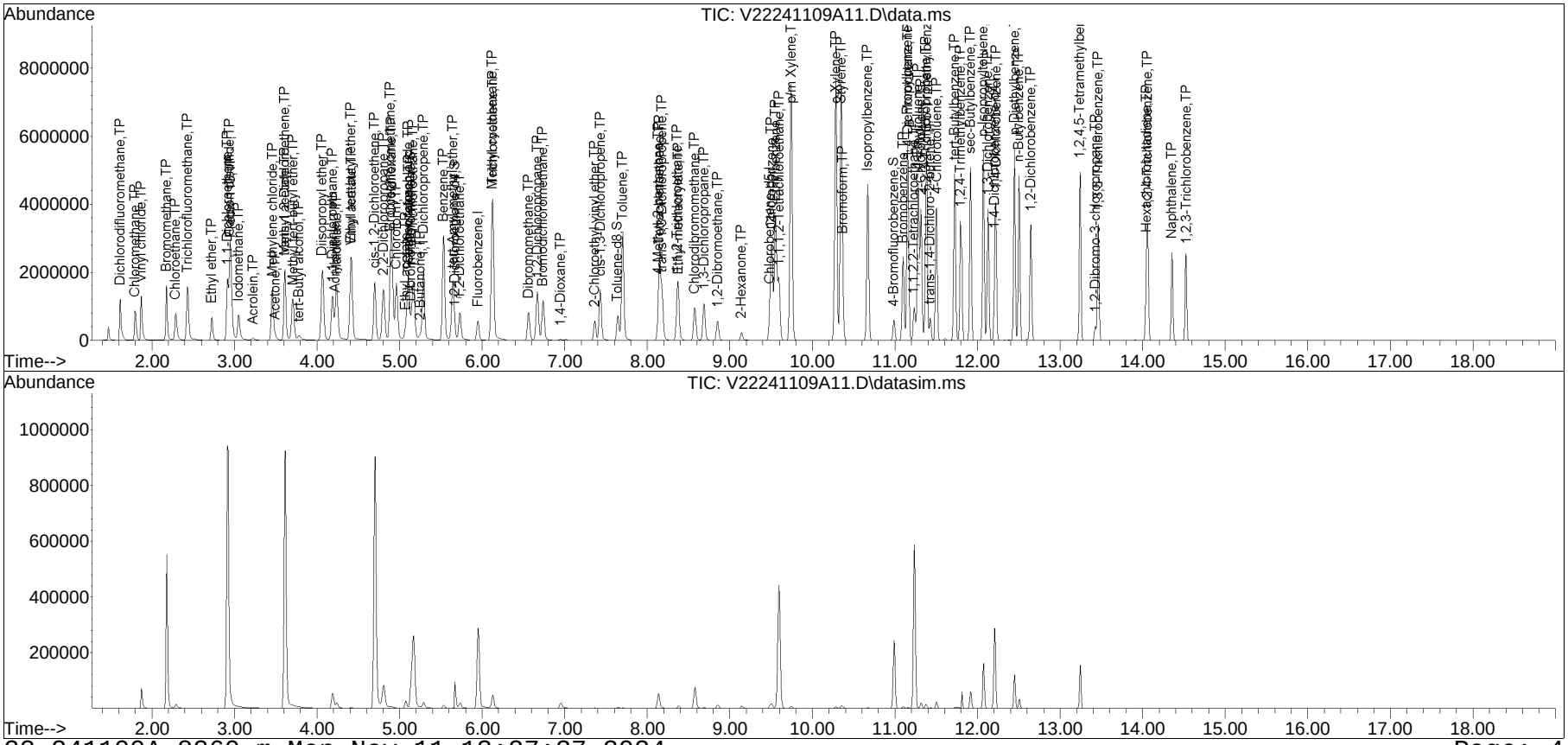
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A11.D
Acq On : 09 Nov 2024 11:01 am
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1995828,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 12:18:59 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

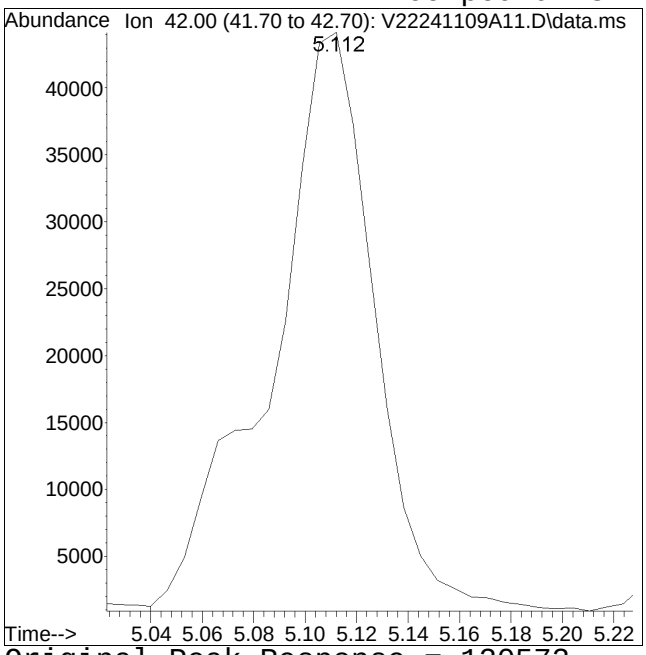
Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•



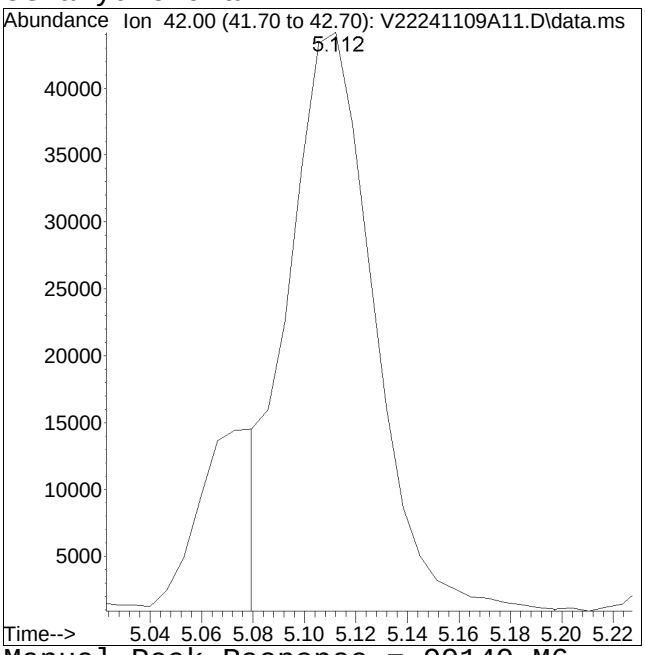
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A11.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 11:01 am Instrument : VOA 122
Sample : I8260STD80PPB Quant Date : 11/11/2024 12:18 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 120572



Manual Peak Response = 99140 M6

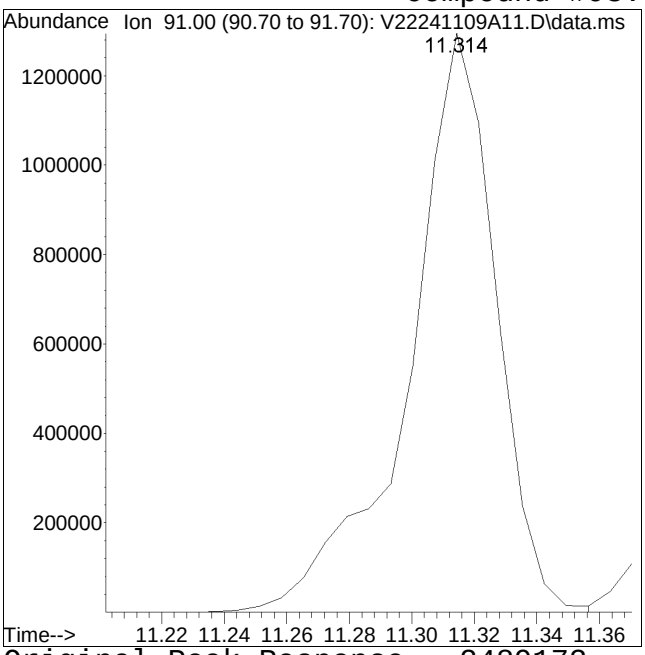
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

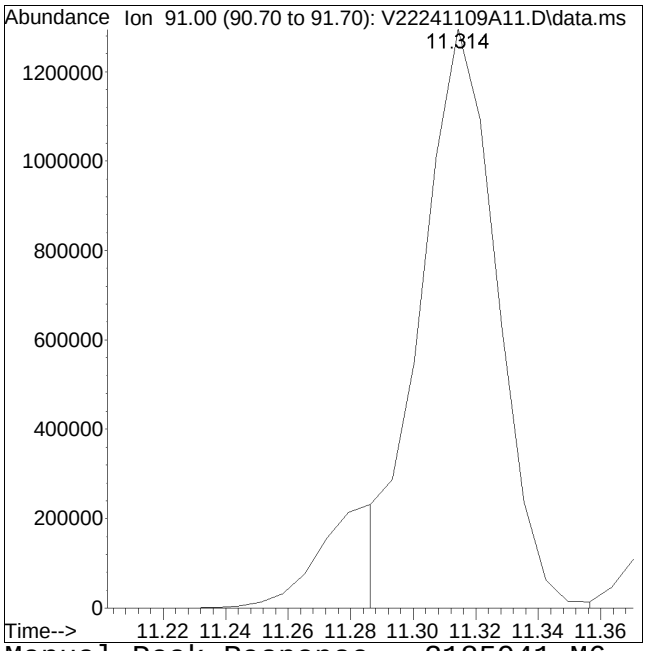
Data Path : K:\VOA122\2024\241109A-ICAQ
Data File : V22241109A11.D
Date Inj'd : 11/9/2024 11:01 am
Sample : I8260STD80PPB

Method : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/11/2024 12:18 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 2489173



Manual Peak Response = 2185041 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A12.D
Acq On : 09 Nov 2024 11:25 am
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1995828,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 12:19:07 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.950	96	611329	10.000	ug/L	0.00
Standard Area 1 = 524901			Recovery = 116.47%			
62) Chlorobenzene-d5	9.484	117	477863	10.000	ug/L	0.00
Standard Area 1 = 419733			Recovery = 113.85%			
83) 1,4-Dichlorobenzene-d4	12.209	152	269156	10.000	ug/L	0.00
Standard Area 1 = 229516			Recovery = 117.27%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	202859	9.722	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.22%			
46) 1,2-Dichloroethane-d4	5.669	65	129779	10.065	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.65%			
63) Toluene-d8	7.647	98	598959	9.941	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.41%			
87) 4-Bromofluorobenzene	10.984	95	209933	9.554	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	1443149	114.315	ug/L	97
3) Chloromethane	1.795	50	1230857	113.922	ug/L	98
4) Vinyl chloride	1.874	62	1639178	113.761	ug/L	99
5) Bromomethane	2.175	94	1145180	110.001	ug/L	99
6) Chloroethane	2.287	64	1061307	107.477	ug/L	100
7) Trichlorofluoromethane	2.431	101	1914668	116.117	ug/L	99
8) Ethyl ether	2.726	74	421991	116.263	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	1024220	117.731	ug/L	91
11) Carbon disulfide	2.949	76	3138494	118.676	ug/L	99
12) Freon-113	2.955	101	1081017	118.165	ug/L	96
13) Iodomethane	3.054	142	1277958	116.809	ug/L	94
14) Acrolein	3.224	56	81190	123.195	ug/L	98
15) Methylene chloride	3.460	84	1144629	111.965	ug/L	88
17) Acetone	3.493	43	164189	111.533	ug/L	96
18) trans-1,2-Dichloroethene	3.611	96	1137215	119.082	ug/L	95
19) Methyl acetate	3.611	43	403976	112.926	ug/L	96
21) Methyl tert-butyl ether	3.709	73	2117397	126.405	ug/L	96
22) tert-Butyl alcohol	3.788	59	215329	673.098	ug/L #	87
24) Diisopropyl ether	4.063	45	3060740	124.456	ug/L	95
25) 1,1-Dichloroethane	4.187	63	2044152	118.218	ug/L	99
26) Halothane	4.240	117	922793	123.962	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A12.D
Acq On : 09 Nov 2024 11:25 am
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1995828,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 12:19:07 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.220	53	213542	121.544	ug/L		94
28) Ethyl tert-butyl ether	4.410	59	2801988	130.484	ug/L		94
29) Vinyl acetate	4.417	43	1952832	130.356	ug/L		95
30) cis-1,2-Dichloroethene	4.699	96	1240247	117.346	ug/L		95
31) 2,2-Dichloropropane	4.804	77	1568963	122.789	ug/L		93
32) Bromochloromethane	4.889	128	617165	116.171	ug/L		95
33) Cyclohexane	4.902	56	1983550	120.470	ug/L		92
34) Chloroform	4.961	83	2021589	116.927	ug/L		97
35) Ethyl acetate	5.072	43	610757	125.305	ug/L		98
36) Carbon tetrachloride	5.105	117	1773295	126.806	ug/L		99
37) Tetrahydrofuran	5.112	42	159277M6	123.438	ug/L		
39) 1,1,1-Trichloroethane	5.171	97	1916454	121.586	ug/L		98
41) 2-Butanone	5.249	43	250543	119.808	ug/L	#	58
42) 1,1-Dichloropropene	5.289	75	1568450	123.083	ug/L		100
44) Benzene	5.531	78	4753669	126.382	ug/L		98
45) tert-Amyl methyl ether	5.649	73	1827712	128.338	ug/L		92
47) 1,2-Dichloroethane	5.728	62	1079978	118.198	ug/L		97
50) Methyl cyclohexane	6.127	83	1732834	125.702	ug/L		94
51) Trichloroethene	6.127	95	1085327	123.995	ug/L		100
53) Dibromomethane	6.563	93	574508	123.293	ug/L		86
54) 1,2-Dichloropropane	6.667	63	938177	124.096	ug/L		99
56) 2-Chloroethyl vinyl ether	7.362	63	450590	126.219	ug/L		97
57) Bromodichloromethane	6.737	83	1329072	126.576	ug/L		100
60) 1,4-Dioxane	6.945	88	45957	1262.435	ug/L	#	84
61) cis-1,3-Dichloropropene	7.432	75	1485069	135.839	ug/L		95
64) Toluene	7.703	92	2415257	121.848	ug/L		99
65) 4-Methyl-2-pentanone	8.133	58	179236	131.437	ug/L		89
66) Tetrachloroethene	8.147	166	1153433	126.972	ug/L		96
68) trans-1,3-Dichloropropene	8.182	75	1251831	138.325	ug/L		95
70) Ethyl methacrylate	8.377	69	769254	134.830	ug/L		95
71) 1,1,2-Trichloroethane	8.363	83	588902	127.331	ug/L		98
72) Chlorodibromomethane	8.579	129	1068922	140.361	ug/L		98
73) 1,3-Dichloropropane	8.691	76	1185323	124.350	ug/L		99
74) 1,2-Dibromoethane	8.852	107	729254	128.177	ug/L		100
76) 2-Hexanone	9.140	43	288374	130.029	ug/L		96
77) Chlorobenzene	9.505	112	2771078	121.048	ug/L		89
78) Ethylbenzene	9.554	91	4797752	121.718	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.596	131	1025434	132.273	ug/L		97
80) p/m Xylene	9.743	106	4000660	246.038	ug/L		97
81) o Xylene	10.283	106	3849389	248.329	ug/L		97

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A12.D
Acq On : 09 Nov 2024 11:25 am
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1995828,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 12:19:07 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.353	104	6306026	253.027	ug/L	98
84) Bromoform	10.367	173	622304	143.441	ug/L	99
86) Isopropylbenzene	10.669	105	5009560	120.301	ug/L	99
88) Bromobenzene	11.096	156	1179611	120.717	ug/L	100
89) n-Propylbenzene	11.153	91	5866339	121.151	ug/L	98
90) 1,4-Dichlorobutane	11.160	55	991609	122.225	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.230	83	782306	120.675	ug/L	99
92) 4-Ethyltoluene	11.286	105	4864130	119.649	ug/L	97
93) 2-Chlorotoluene	11.314	91	3168551M6	115.010	ug/L	
94) 1,3,5-Trimethylbenzene	11.384	105	4268187	120.636	ug/L	98
95) 1,2,3-Trichloropropane	11.370	75	639023	123.149	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.426	53	209578	128.439	ug/L	94
97) 4-Chlorotoluene	11.503	91	3392027	118.187	ug/L	96
98) tert-Butylbenzene	11.721	119	3737311	122.801	ug/L	100
101) 1,2,4-Trimethylbenzene	11.798	105	2806835	139.641	ug/L	99
102) sec-Butylbenzene	11.916	105	5194664	120.620	ug/L	98
103) p-Isopropyltoluene	12.069	119	4563981	121.106	ug/L	98
104) 1,3-Dichlorobenzene	12.125	146	2358953	118.995	ug/L	99
105) 1,4-Dichlorobenzene	12.222	146	2334340	117.845	ug/L	99
106) p-Diethylbenzene	12.445	119	2682154	123.295	ug/L	99
107) n-Butylbenzene	12.501	91	3597339	120.051	ug/L	99
108) 1,2-Dichlorobenzene	12.647	146	2111717	119.394	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.246	119	3722590	125.136	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.427	155	137417	136.029	ug/L	99
111) 1,3,5-Trichlorobenzene	13.461	180	1443908	122.034	ug/L	97
112) Hexachlorobutadiene	14.046	225	498009	126.409	ug/L	99
113) 1,2,4-Trichlorobenzene	14.060	180	1253415	121.277	ug/L	98
114) Naphthalene	14.352	128	2759716	120.081	ug/L	100
115) 1,2,3-Trichlorobenzene	14.527	180	1063199	121.185	ug/L	99

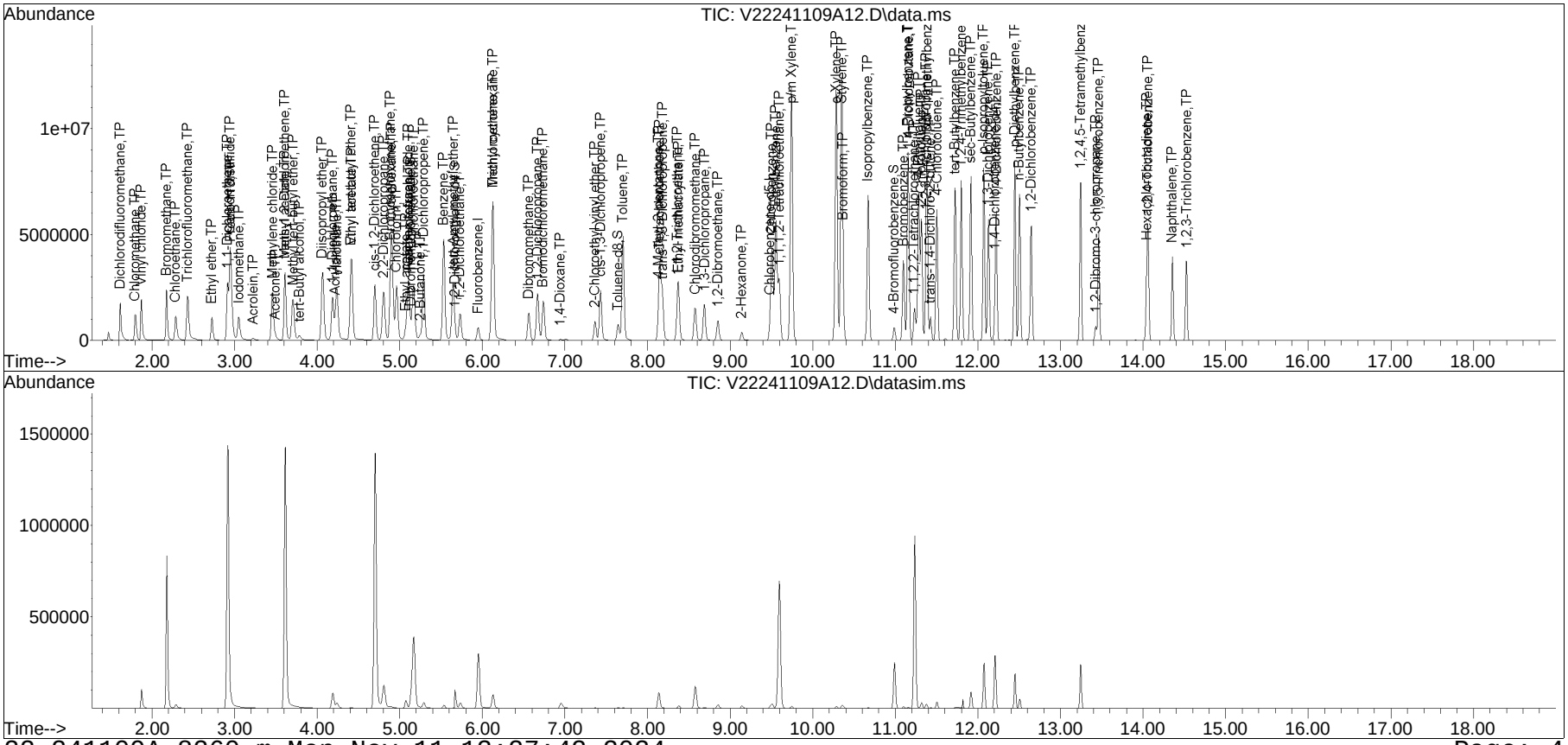
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A12.D
Acq On : 09 Nov 2024 11:25 am
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1995828,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 12:19:07 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

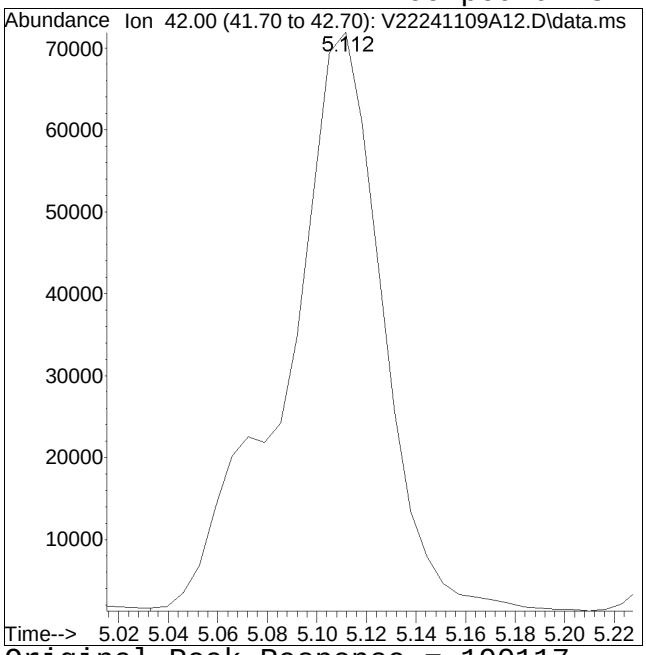
Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•



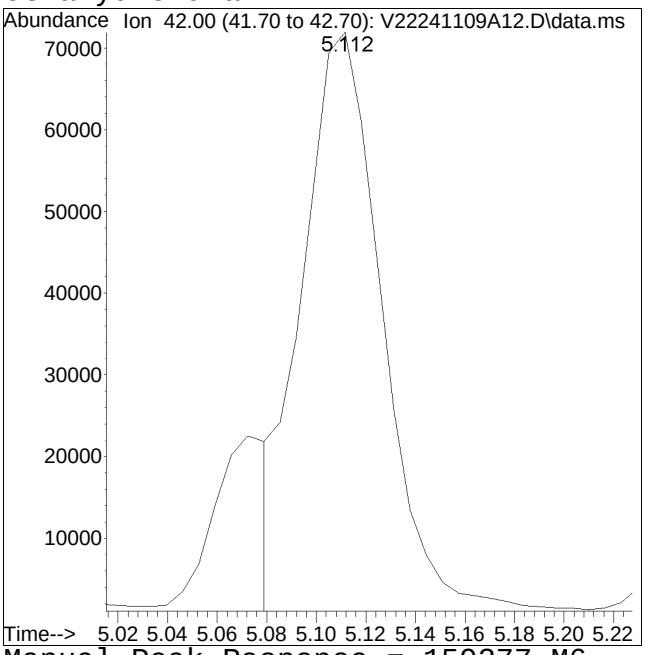
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A12.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 11:25 am Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 11/11/2024 12:19 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 190117



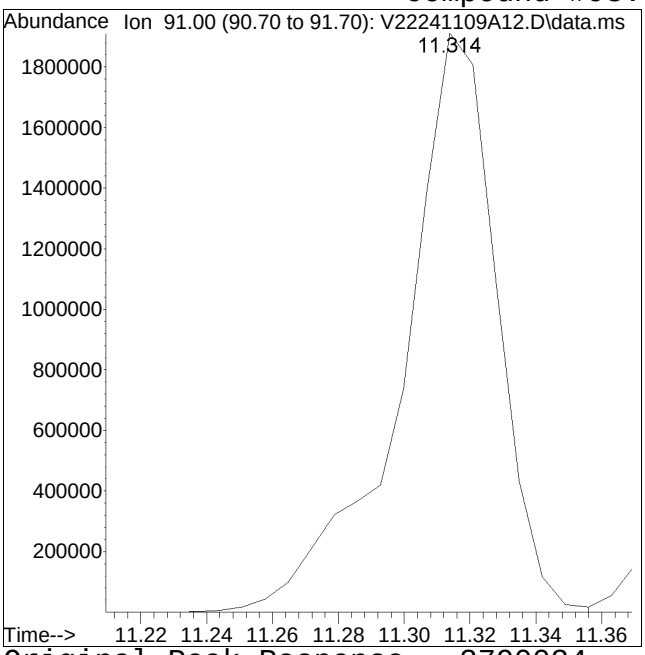
Manual Peak Response = 159277 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

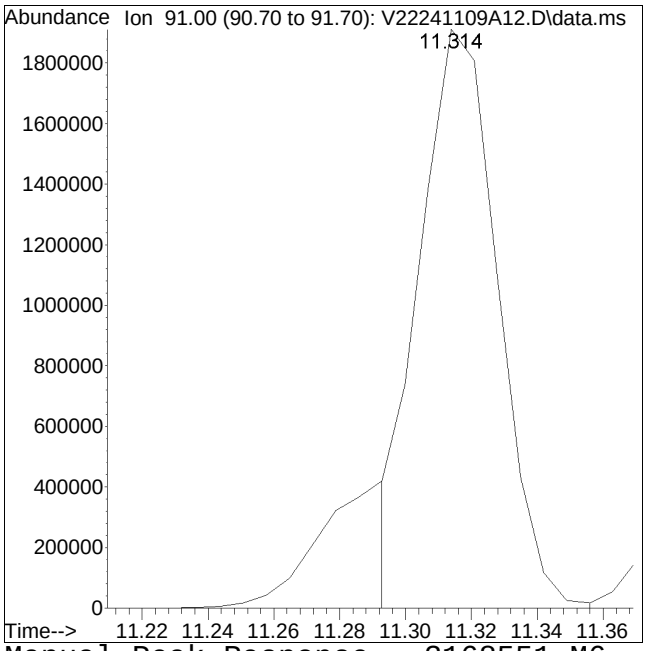
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A12.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 11:25 am Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 11/11/2024 12:19 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 3790034



Manual Peak Response = 3168551 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A13.D
Acq On : 09 Nov 2024 11:49 am
Operator : VOA122:PID
Sample : I8260STD200PPB (Sig #1); I8260STD20PPB (Sig #2)
Misc : WG1995828,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 12:19:14 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.951	96	628516	10.000	ug/L		0.00
Standard Area 1 = 524901			Recovery = 119.74%				
62) Chlorobenzene-d5	9.491	117	505269	10.000	ug/L		0.00
Standard Area 1 = 419733			Recovery = 120.38%				
83) 1,4-Dichlorobenzene-d4	12.209	152	275790	10.000	ug/L		0.00
Standard Area 1 = 229516			Recovery = 120.16%				
System Monitoring Compounds							
38) Dibromofluoromethane	5.138	113	213002	9.929	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.29%				
46) 1,2-Dichloroethane-d4	5.669	65	137401	10.365	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.65%				
63) Toluene-d8	7.647	98	621284	9.753	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.53%				
87) 4-Bromofluorobenzene	10.991	95	217774	9.673	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.73%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.618	85	2479051	191.002	ug/L		97
3) Chloromethane	1.795	50	2077244	187.002	ug/L		98
4) Vinyl chloride	1.874	62	2732997	184.486	ug/L		99
5) Bromomethane	2.176	94	1923457	179.707	ug/L		98
6) Chloroethane	2.287	64	1748463	172.222	ug/L		100
7) Trichlorofluoromethane	2.431	101	3270199	192.902	ug/L		99
8) Ethyl ether	2.726	74	728973	195.347	ug/L	#	1
10) 1,1-Dichloroethene	2.916	96	1786933	199.787	ug/L		92
11) Carbon disulfide	2.942	76	5489650	201.904	ug/L		98
12) Freon-113	2.955	101	1962528	208.655	ug/L		96
13) Iodomethane	3.047	142	2134776	189.790	ug/L		93
14) Acrolein	3.224	56	140618	207.534	ug/L		99
15) Methylene chloride	3.460	84	1960858	186.561	ug/L		89
17) Acetone	3.493	43	276643	182.784	ug/L		97
18) trans-1,2-Dichloroethene	3.611	96	1975801	201.235	ug/L		96
19) Methyl acetate	3.611	43	682980	185.697	ug/L		97
21) Methyl tert-butyl ether	3.709	73	3648838	211.874	ug/L		95
22) tert-Butyl alcohol	3.788	59	368112	1119.218	ug/L	#	83
24) Diisopropyl ether	4.070	45	5280759	208.855	ug/L		95
25) 1,1-Dichloroethane	4.188	63	3498177	196.775	ug/L		99
26) Halothane	4.240	117	1621505	211.866	ug/L		99

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A13.D
Acq On : 09 Nov 2024 11:49 am
Operator : VOA122:PID
Sample : I8260STD200PPB (Sig #1); I8260STD20PPB (Sig #2)
Misc : WG1995828,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 12:19:14 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.227	53	363685	201.343	ug/L		95
28) Ethyl tert-butyl ether	4.410	59	4877860	220.942	ug/L		95
29) Vinyl acetate	4.417	43	3330143	216.216	ug/L		96
30) cis-1,2-Dichloroethene	4.699	96	2133653	196.355	ug/L		94
31) 2,2-Dichloropropane	4.804	77	2707317	206.084	ug/L		94
32) Bromochloromethane	4.895	128	1059451	193.971	ug/L		95
33) Cyclohexane	4.902	56	3538558	209.036	ug/L		92
34) Chloroform	4.961	83	3488438	196.252	ug/L		97
35) Ethyl acetate	5.072	43	1038819	207.299	ug/L		98
36) Carbon tetrachloride	5.105	117	3145598	218.787	ug/L		99
37) Tetrahydrofuran	5.112	42	273499M6	206.162	ug/L		
39) 1,1,1-Trichloroethane	5.171	97	3268713	201.706	ug/L		98
41) 2-Butanone	5.249	43	428040	199.088	ug/L	#	57
42) 1,1-Dichloropropene	5.289	75	2747565	209.718	ug/L		100
44) Benzene	5.531	78	8078591	208.906	ug/L		97
45) tert-Amyl methyl ether	5.649	73	3165772	216.214	ug/L		94
47) 1,2-Dichloroethane	5.734	62	1834384	195.274	ug/L		97
50) Methyl cyclohexane	6.127	83	3179472	224.336	ug/L		95
51) Trichloroethene	6.127	95	1943976	216.020	ug/L		100
53) Dibromomethane	6.563	93	977417	204.024	ug/L		88
54) 1,2-Dichloropropane	6.667	63	1616470	207.969	ug/L		99
56) 2-Chloroethyl vinyl ether	7.369	63	772520	210.480	ug/L		98
57) Bromodichloromethane	6.737	83	2287561	211.902	ug/L		100
60) 1,4-Dioxane	6.952	88	74190	1982.263	ug/L	#	84
61) cis-1,3-Dichloropropene	7.432	75	2567899	228.463	ug/L		95
64) Toluene	7.703	92	4190173	199.925	ug/L		97
65) 4-Methyl-2-pentanone	8.134	58	307626	213.352	ug/L		91
66) Tetrachloroethene	8.148	166	2053780	213.820	ug/L		95
68) trans-1,3-Dichloropropene	8.182	75	2157018	225.418	ug/L		95
70) Ethyl methacrylate	8.377	69	1306359	216.552	ug/L		94
71) 1,1,2-Trichloroethane	8.363	83	1007134	205.949	ug/L		98
72) Chlorodibromomethane	8.579	129	1851638	229.951	ug/L		99
73) 1,3-Dichloropropane	8.691	76	1990368	197.481	ug/L		99
74) 1,2-Dibromoethane	8.853	107	1229367	204.359	ug/L		99
76) 2-Hexanone	9.140	43	480628	204.963	ug/L		97
77) Chlorobenzene	9.512	112	4791973	197.972	ug/L		89
78) Ethylbenzene	9.554	91	8165786	195.928	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.596	131	1788029	218.131	ug/L		98
80) p/m Xylene	9.743	106	7101811	413.067	ug/L		91
81) o Xylene	10.290	106	6784891	413.960	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A13.D
Acq On : 09 Nov 2024 11:49 am
Operator : VOA122:PID
Sample : I8260STD200PPB (Sig #1); I8260STD20PPB (Sig #2)
Misc : WG1995828,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 12:19:14 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.353	104	10728468	407.126	ug/L	94
84) Bromoform	10.367	173	1108354	249.330	ug/L	100
86) Isopropylbenzene	10.669	105	8553691	200.469	ug/L	97
88) Bromobenzene	11.104	156	2032756	203.021	ug/L	100
89) n-Propylbenzene	11.153	91	9878191	199.096	ug/L	95
90) 1,4-Dichlorobutane	11.160	55	1733730	208.557	ug/L	98
91) 1,1,2,2-Tetrachloroethane	11.237	83	1302360	196.063	ug/L	100
92) 4-Ethyltoluene	11.286	105	8222152	197.386	ug/L	96
93) 2-Chlorotoluene	11.321	91	5516242M6	195.409	ug/L	
94) 1,3,5-Trimethylbenzene	11.384	105	7329452	202.176	ug/L	97
95) 1,2,3-Trichloropropane	11.377	75	1096824	206.290	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.426	53	340702	203.776	ug/L	99
97) 4-Chlorotoluene	11.503	91	5828139	198.183	ug/L	96
98) tert-Butylbenzene	11.728	119	6341681	203.363	ug/L	96
101) 1,2,4-Trimethylbenzene	11.812	105	3869481	187.877	ug/L	99
102) sec-Butylbenzene	11.916	105	8616923	195.272	ug/L	96
103) p-Isopropyltoluene	12.076	119	7604302	196.928	ug/L	95
104) 1,3-Dichlorobenzene	12.132	146	4048264	199.299	ug/L	98
105) 1,4-Dichlorobenzene	12.223	146	3997694	196.962	ug/L	99
106) p-Diethylbenzene	12.445	119	4595297	206.159	ug/L	98
107) n-Butylbenzene	12.508	91	6098892	198.637	ug/L	98
108) 1,2-Dichlorobenzene	12.647	146	3600927	198.695	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.246	119	6255048	205.207	ug/L	97
110) 1,2-Dibromo-3-chloropr...	13.427	155	234290	226.345	ug/L	100
111) 1,3,5-Trichlorobenzene	13.462	180	2438779	201.159	ug/L	97
112) Hexachlorobutadiene	14.046	225	864454	214.145	ug/L	99
113) 1,2,4-Trichlorobenzene	14.060	180	2121390	200.322	ug/L	98
114) Naphthalene	14.360	128	4520176	191.951	ug/L	100
115) 1,2,3-Trichlorobenzene	14.527	180	1769673	196.857	ug/L	99

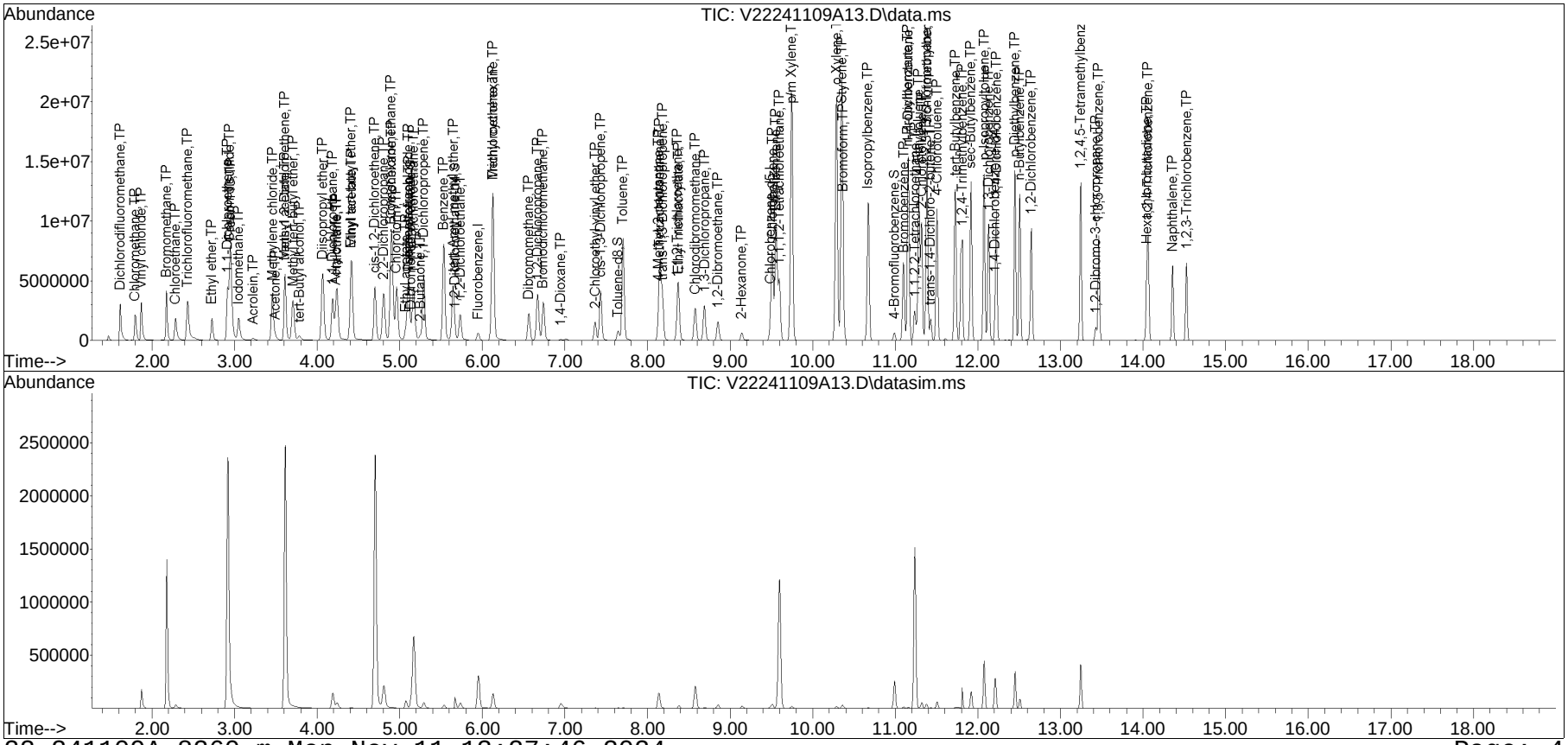
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A13.D
Acq On : 09 Nov 2024 11:49 am
Operator : VOA122:PID
Sample : I8260STD200PPB (Sig #1); I8260STD20PPB (Sig #2)
Misc : WG1995828,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 12:19:14 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:18:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•

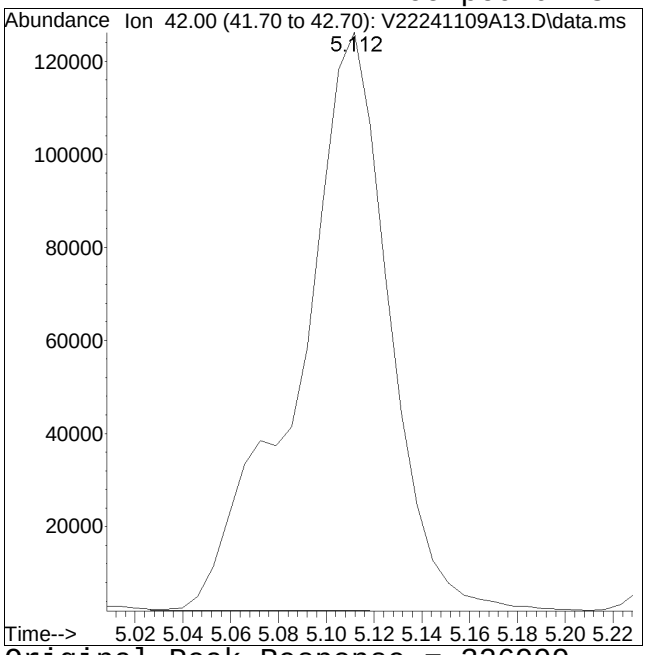


Manual Integration Report

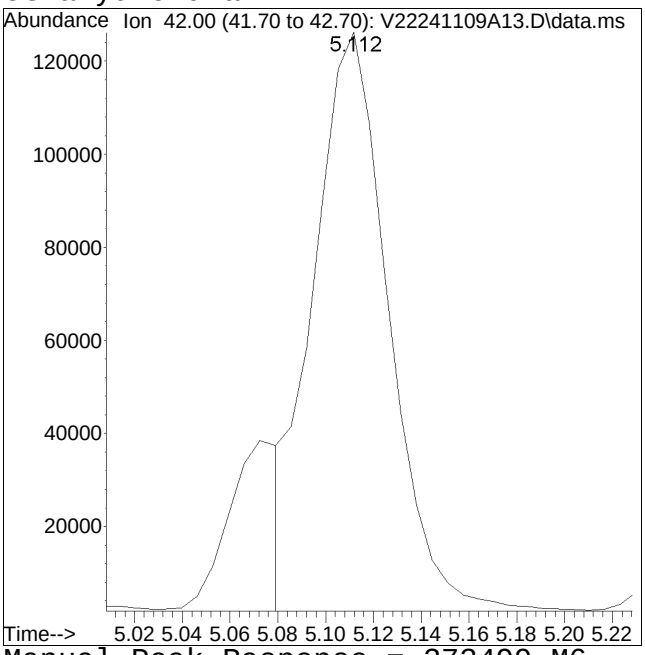
Data Path : K:\VOA122\2024\241109A-ICAQ
Data File : V22241109A13.D
Date Inj'd : 11/9/2024 11:49 am
Sample : I8260STD200PPB

Method : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/11/2024 12:19 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 326999



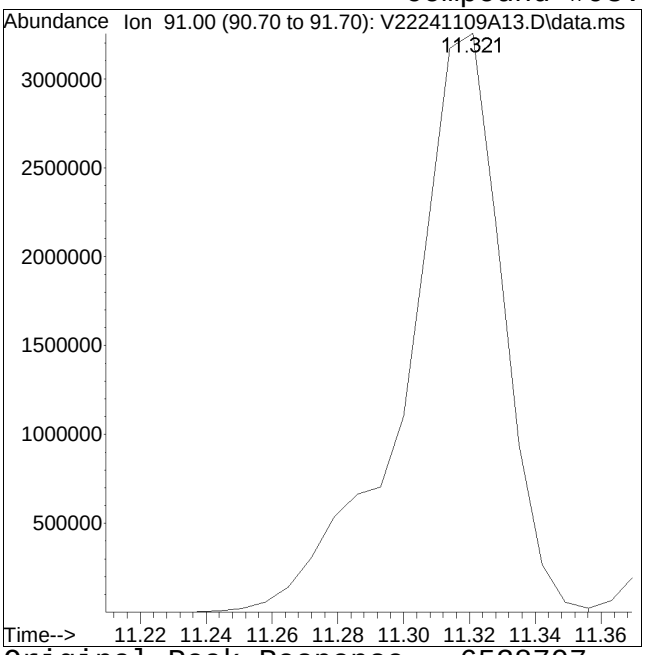
Manual Peak Response = 273499 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

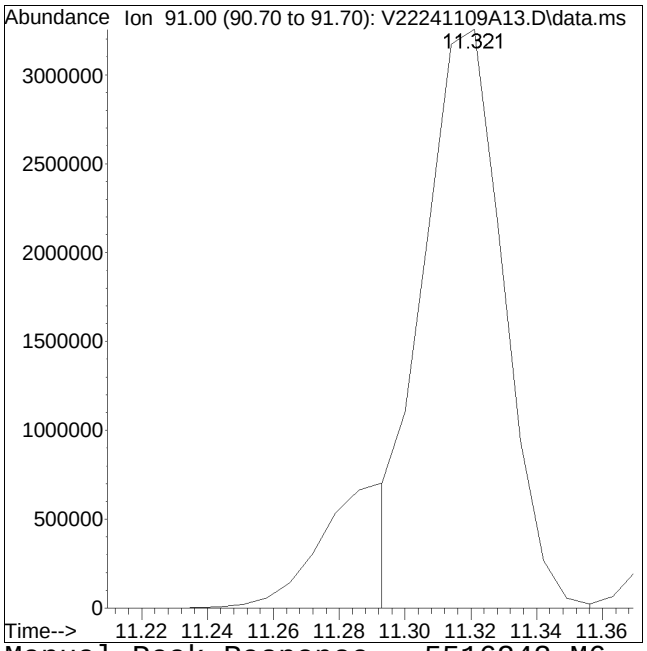
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A13.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 11:49 am Instrument : VOA 122
Sample : I8260STD200PPB Quant Date : 11/11/2024 12:19 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 6538707



Manual Peak Response = 5516242 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane	0.207	0.176	15.0	78	0.00
3	TP	Chloromethane	0.177	0.196	-10.7	106	0.00
4	TP	Vinyl chloride	0.236	0.244	-3.4	96	0.00
5	TP	Bromomethane	0.170	0.206	-21.2#	118	0.00
6	TP	Chloroethane	0.162	0.166	-2.5	98	0.00
7	TP	Trichlorofluoromethane	0.270	0.291	-7.8	100	0.00
8	TP	Ethyl ether	0.059	0.071	-20.3#	125	0.00
10	TP	1,1-Dichloroethene	0.142	0.135	4.9	90	0.00
11	TP	Carbon disulfide	0.433	0.435	-0.5	96	0.00
12	TP	Freon-113	0.150	0.157	-4.7	99	0.00
13	TP	Iodomethane	0.179	0.225	-25.7#	128	0.00
14	TP	Acrolein	0.011	0.015	-36.4#	145	0.00
15	TP	Methylene chloride	0.167	0.163	2.4	97	0.00
17	TP	Acetone	0.024	0.024	0.0	99	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.160	-2.6	99	0.00
19	TP	Methyl acetate	0.059	0.054	8.5	105	0.00
21	TP	Methyl tert-butyl ether	0.274	0.272	0.7	104	0.00
22	TP	tert-Butyl alcohol	0.00523	0.00497#	5.0	97	0.00
24	TP	Diisopropyl ether	0.402	0.401	0.2	102	0.00
25	TP	1,1-Dichloroethane	0.283	0.289#	-2.1	98	0.00
26	TP	Halothane	0.122	0.126	-3.3	102	0.00
27	TP	Acrylonitrile	0.029	0.032	-10.3	111	0.00
28	TP	Ethyl tert-butyl ether	0.351	0.338	3.7	102	0.00
29	TP	Vinyl acetate	0.245	0.219	10.6	95	0.00
30	TP	cis-1,2-Dichloroethene	0.173	0.173#	0.0	97	0.00
31	TP	2,2-Dichloropropane	0.209	0.188	10.0	91	0.00
32	TP	Bromochloromethane	0.087	0.086#	1.1	97	0.00
33	TP	Cyclohexane	0.269	0.269	0.0	99	0.00
34	TP	Chloroform	0.283	0.285#	-0.7	99	0.00
35	TP	Ethyl acetate	0.080	0.074	7.5	102	0.00
36	TP	Carbon tetrachloride	0.229	0.228	0.4	97	0.00
37	TP	Tetrahydrofuran	0.021	0.021	0.0	100	0.00
38	S	Dibromofluoromethane	0.341	0.344	-0.9	101	0.00
39	TP	1,1,1-Trichloroethane	0.258	0.262	-1.6	99	0.00
41	TP	2-Butanone	0.034	0.032	5.9	101	0.00
42	TP	1,1-Dichloropropene	0.208	0.212	-1.9	101	0.00
44	TP	Benzene	0.615	0.631	-2.6	97	0.00
45	TP	tert-Amyl methyl ether	0.233	0.219	6.0	99	0.00

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.211	0.206	2.4	100	-0.02
47	T	1,2-Dichloroethane	0.149	0.151	-1.3	99	0.00
50	TP	Methyl cyclohexane	0.225	0.215	4.4	96	0.00
51	TP	Trichloroethene	0.143	0.138#	3.5	101	0.00
53	TP	Dibromomethane	0.076	0.078	-2.6	100	0.00
54	TP	1,2-Dichloropropane	0.124	0.126#	-1.6	101	0.00
56	TP	2-Chloroethyl vinyl ether	0.058	0.054	6.9	95	0.00
57	TP	Bromodichloromethane	0.172	0.167#	2.9	97	0.00
60	TP	1,4-Dioxane	0.00060	0.00060#	0.0	98	0.00
61	TP	cis-1,3-Dichloropropene	0.179	0.181#	-1.1	98	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
63	S	Toluene-d8	1.261	1.265	-0.3	101	0.00
64	TP	Toluene	0.415	0.416	-0.2	99	0.00
65	TP	4-Methyl-2-pentanone	0.029	0.027#	6.9	103	0.00
66	TP	Tetrachloroethene	0.190	0.191	-0.5	99	0.00
68	TP	trans-1,3-Dichloropropene	0.189	0.189#	0.0	100	0.00
70	TP	Ethyl methacrylate	0.119	0.136	-14.3	112	0.00
71	TP	1,1,2-Trichloroethane	0.097	0.095#	2.1	97	0.00
72	TP	Chlorodibromomethane	0.159	0.144#	9.4	96	0.00
73	TP	1,3-Dichloropropane	0.199	0.199	0.0	99	0.00
74	TP	1,2-Dibromoethane	0.119	0.118#	0.8	100	0.00
76	TP	2-Hexanone	0.046	0.047	-2.2	103	0.00
77	TP	Chlorobenzene	0.479	0.488	-1.9	100	0.00
78	TP	Ethylbenzene	0.825	0.833	-1.0	99	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.162	0.159	1.9	99	0.00
80	TP	p/m Xylene	0.340	0.342	-0.6	99	0.00
81	TP	o Xylene	0.324	0.334	-3.1	102	0.00
82	TP	Styrene	0.522	0.540	-3.4	102	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
84	TP	Bromoform	* 10.000	8.835	11.6	99	0.00
86	TP	Isopropylbenzene	1.547	1.579	-2.1	98	0.00
87	S	4-Bromofluorobenzene	0.816	0.831	-1.8	102	0.00
88	TP	Bromobenzene	0.363	0.373	-2.8	102	0.00
89	TP	n-Propylbenzene	1.799	1.880	-4.5	100	0.00
90	TP	1,4-Dichlorobutane	0.301	0.336	-11.6	113	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.241	0.231	4.1	97	0.00
92	TP	4-Ethyltoluene	1.510	1.641	-8.7	105	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene	1.024	1.088	-6.3	103	0.00
94 TP	1,3,5-Trimethylbenzene	1.315	1.321	-0.5	98	0.00
95 TP	1,2,3-Trichloropropane	0.193	0.191	1.0	101	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.061	0.065	-6.6	108	0.00
97 TP	4-Chlorotoluene	1.066	1.105	-3.7	102	0.00
98 TP	tert-Butylbenzene	1.131	1.153	-1.9	98	0.00
101 TP	1,2,4-Trimethylbenzene	0.747	0.757	-1.3	100	0.00
102 TP	sec-Butylbenzene	1.600	1.644	-2.7	98	0.00
103 TP	p-Isopropyltoluene	1.400	1.447	-3.4	99	0.00
104 TP	1,3-Dichlorobenzene	0.737	0.752	-2.0	101	0.00
105 TP	1,4-Dichlorobenzene	0.736	0.749	-1.8	102	0.00
106 TP	p-Diethylbenzene	0.808	0.808	0.0	98	0.00
107 TP	n-Butylbenzene	1.113	1.195	-7.4	102	0.00
108 TP	1,2-Dichlorobenzene	0.657	0.680	-3.5	102	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.105	1.133	-2.5	99	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.038	0.037	2.6	100	0.00
111 TP	1,3,5-Trichlorobenzene	0.440	0.447	-1.6	99	0.00
112 TP	Hexachlorobutadiene	0.146	0.146	0.0	101	0.00
113 TP	1,2,4-Trichlorobenzene	0.384	0.384#	0.0	100	0.00
114 TP	Naphthalene	0.854	0.868	-1.6	98	0.00
115 TP	1,2,3-Trichlorobenzene	0.326	0.330#	-1.2	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 17 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.951	96	537842	10.000	ug/L	0.00
Standard Area 1 = 524901			Recovery = 102.47%			
62) Chlorobenzene-d5	9.484	117	427073	10.000	ug/L	0.00
Standard Area 1 = 419733			Recovery = 101.75%			
83) 1,4-Dichlorobenzene-d4	12.202	152	236053	10.000	ug/L	0.00
Standard Area 1 = 229516			Recovery = 102.85%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	185216	10.090	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%			
46) 1,2-Dichloroethane-d4	5.649	65	110682	9.757	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.57%			
63) Toluene-d8	7.640	98	540366	10.036	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.36%			
87) 4-Bromofluorobenzene	10.984	95	196134	10.178	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	94610	8.518	ug/L	98
3) Chloromethane	1.795	50	105482	11.097	ug/L	99
4) Vinyl chloride	1.874	62	131407	10.366	ug/L	99
5) Bromomethane	2.176	94	110940	12.112	ug/L	98
6) Chloroethane	2.294	64	89210	10.269	ug/L	99
7) Trichlorofluoromethane	2.431	101	156283	10.773	ug/L	98
8) Ethyl ether	2.726	74	38305	11.995	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	72847	9.518	ug/L	90
11) Carbon disulfide	2.949	76	234116	10.062	ug/L	100
12) Freon-113	2.956	101	84452	10.493	ug/L	95
13) Iodomethane	3.054	142	120948	12.566	ug/L	94
14) Acrolein	3.224	56	7895	13.616	ug/L	95
15) Methylene chloride	3.460	84	87492	9.728	ug/L	88
17) Acetone	3.493	43	13101	10.115	ug/L	99
18) trans-1,2-Dichloroethene	3.611	96	86097	10.247	ug/L	94
19) Methyl acetate	3.611	43	29031	9.224	ug/L	97
21) Methyl tert-butyl ether	3.703	73	146297	9.927	ug/L #	92
22) tert-Butyl alcohol	3.781	59	13353	47.443	ug/L #	85
24) Diisopropyl ether	4.063	45	215902	9.979	ug/L	94
25) 1,1-Dichloroethane	4.188	63	155442	10.218	ug/L	98
26) Halothane	4.234	117	67616	10.324	ug/L	98

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.220	53	17076	11.047	ug/L		96
28) Ethyl tert-butyl ether	4.411	59	181804	9.623	ug/L		97
29) Vinyl acetate	4.417	43	117773	8.936	ug/L	#	94
30) cis-1,2-Dichloroethene	4.699	96	93047	10.007	ug/L		94
31) 2,2-Dichloropropane	4.804	77	101249	9.007	ug/L		89
32) Bromochloromethane	4.889	128	46002	9.842	ug/L		92
33) Cyclohexane	4.902	56	144921	10.004	ug/L		93
34) Chloroform	4.961	83	153410	10.086	ug/L		97
35) Ethyl acetate	5.072	43	39686	9.255	ug/L		99
36) Carbon tetrachloride	5.105	117	122563	9.962	ug/L		97
37) Tetrahydrofuran	5.112	42	11280M6	9.936	ug/L		
39) 1,1,1-Trichloroethane	5.164	97	140913	10.161	ug/L		97
41) 2-Butanone	5.249	43	17334	9.422	ug/L	#	53
42) 1,1-Dichloropropene	5.289	75	113843	10.154	ug/L		99
44) Benzene	5.531	78	339303	10.253	ug/L		97
45) tert-Amyl methyl ether	5.643	73	117850	9.406	ug/L	#	87
47) 1,2-Dichloroethane	5.728	62	81198	10.101	ug/L		98
50) Methyl cyclohexane	6.121	83	115630	9.534	ug/L		92
51) Trichloroethene	6.127	95	74454	9.668	ug/L		96
53) Dibromomethane	6.563	93	41789	10.194	ug/L	#	85
54) 1,2-Dichloropropane	6.667	63	67994	10.223	ug/L		98
56) 2-Chloroethyl vinyl ether	7.362	63	29195	9.295	ug/L		96
57) Bromodichloromethane	6.737	83	89711	9.711	ug/L		100
60) 1,4-Dioxane	6.945	88	16068	501.694	ug/L	#	87
61) cis-1,3-Dichloropropene	7.432	75	97276	10.114	ug/L		94
64) Toluene	7.703	92	177589	10.025	ug/L		100
65) 4-Methyl-2-pentanone	8.134	58	11495	9.432	ug/L		84
66) Tetrachloroethene	8.148	166	81603	10.051	ug/L		94
68) trans-1,3-Dichloropropene	8.175	75	80847	9.996	ug/L		94
70) Ethyl methacrylate	8.377	69	58065	11.388	ug/L		99
71) 1,1,2-Trichloroethane	8.363	83	40476	9.792	ug/L		97
72) Chlorodibromomethane	8.572	129	61341	9.013	ug/L		97
73) 1,3-Dichloropropane	8.684	76	84809	9.955	ug/L		100
74) 1,2-Dibromoethane	8.853	107	50494	9.931	ug/L		100
76) 2-Hexanone	9.140	43	20099	10.141	ug/L		91
77) Chlorobenzene	9.505	112	208346	10.183	ug/L		91
78) Ethylbenzene	9.554	91	355704	10.097	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.589	131	67768	9.781	ug/L		98
80) p/m Xylene	9.736	106	291895	20.086	ug/L		99
81) o Xylene	10.283	106	284888	20.564	ug/L		100

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241109A-ICAL\V22241109A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.346	104	460939	20.695	ug/L		100
84) Bromoform	10.360	173	34070	8.835	ug/L		98
86) Isopropylbenzene	10.669	105	372838	10.209	ug/L		100
88) Bromobenzene	11.097	156	88060	10.276	ug/L		98
89) n-Propylbenzene	11.153	91	443698	10.448	ug/L		100
90) 1,4-Dichlorobutane	11.160	55	79256	11.139	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.230	83	54618	9.607	ug/L		100
92) 4-Ethyltoluene	11.279	105	387354	10.864	ug/L		99
93) 2-Chlorotoluene	11.314	91	256934M6	10.634	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	311890	10.051	ug/L		100
95) 1,2,3-Trichloropropane	11.370	75	44974	9.883	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.426	53	15302	10.693	ug/L	#	74
97) 4-Chlorotoluene	11.496	91	260924	10.366	ug/L		98
98) tert-Butylbenzene	11.721	119	272147	10.196	ug/L		99
101) 1,2,4-Trimethylbenzene	11.791	105	178803	10.143	ug/L		99
102) sec-Butylbenzene	11.916	105	388084	10.275	ug/L		100
103) p-Isopropyltoluene	12.069	119	341458	10.331	ug/L		100
104) 1,3-Dichlorobenzene	12.125	146	177431	10.205	ug/L		99
105) 1,4-Dichlorobenzene	12.223	146	176730	10.173	ug/L		98
106) p-Diethylbenzene	12.445	119	190749	9.998	ug/L		100
107) n-Butylbenzene	12.501	91	282057	10.733	ug/L		99
108) 1,2-Dichlorobenzene	12.647	146	160422	10.342	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.246	119	267403	10.249	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.427	155	8683	9.801	ug/L		99
111) 1,3,5-Trichlorobenzene	13.462	180	105428	10.160	ug/L		97
112) Hexachlorobutadiene	14.046	225	34452	9.971	ug/L		98
113) 1,2,4-Trichlorobenzene	14.060	180	90750	10.012	ug/L		98
114) Naphthalene	14.353	128	204922	10.167	ug/L		100
115) 1,2,3-Trichlorobenzene	14.527	180	77789	10.110	ug/L		99

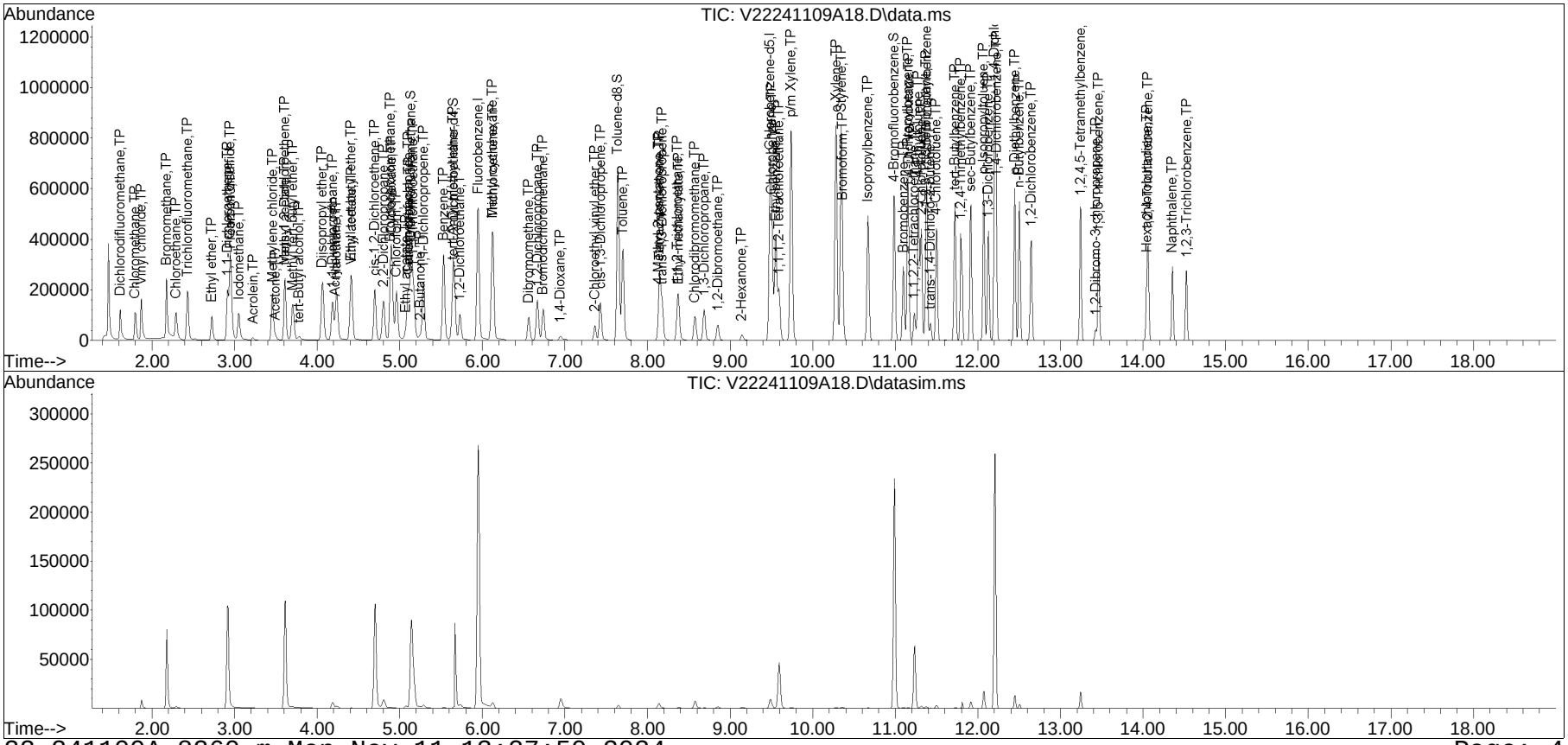
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241109A-ICAL\
Data File : V22241109A18.D
Acq On : 09 Nov 2024 01:52 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1995828,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 12:29:57 2024
Quant Method : K:\VOA122\2024\241109A-ICAL\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\V22241109A09.D•

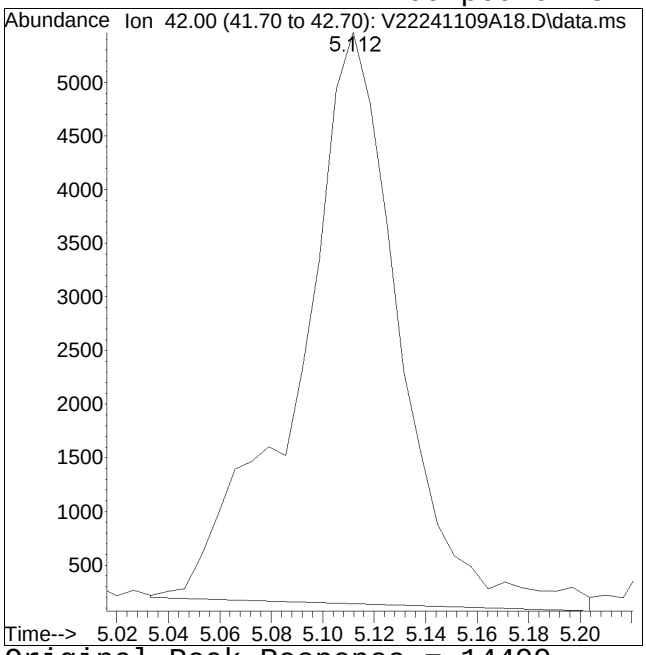


Manual Integration Report

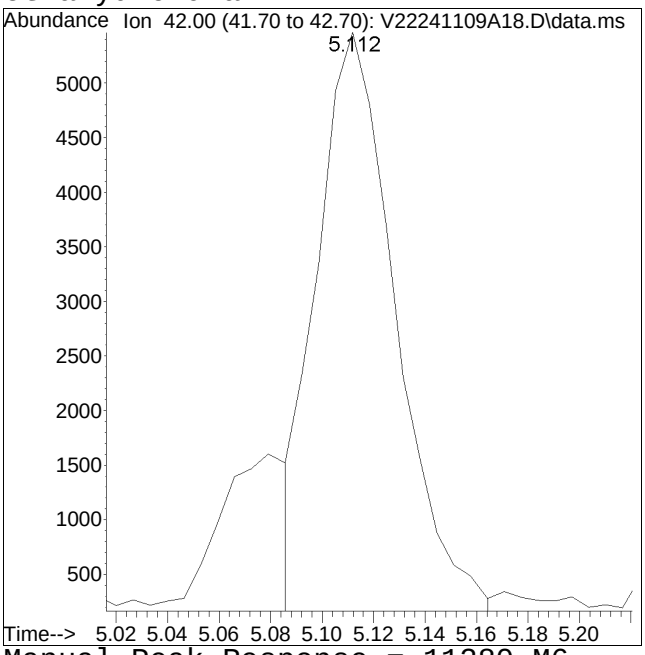
Data Path : K:\VOA122\2024\241109A-ICAQ
Data File : V22241109A18.D
Date Inj'd : 11/9/2024 1:52 pm
Sample : C8260STD10PPB

Method : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/11/2024 12:28 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 14499



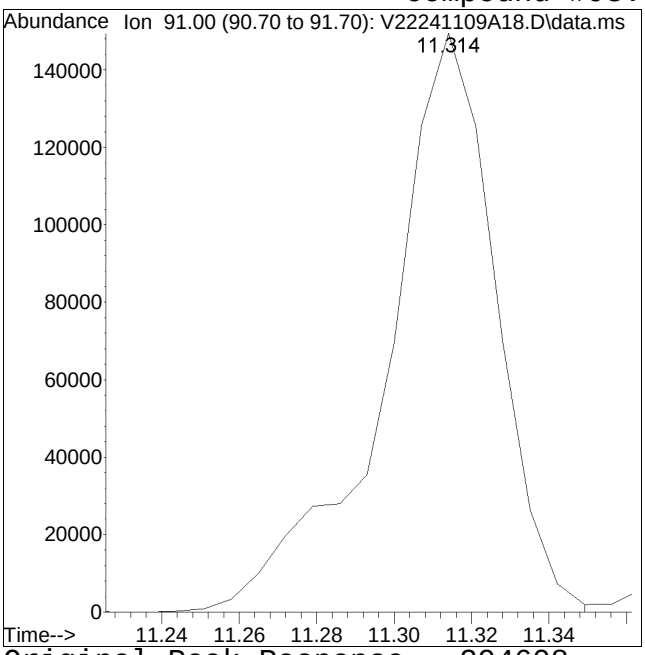
Manual Peak Response = 11280 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

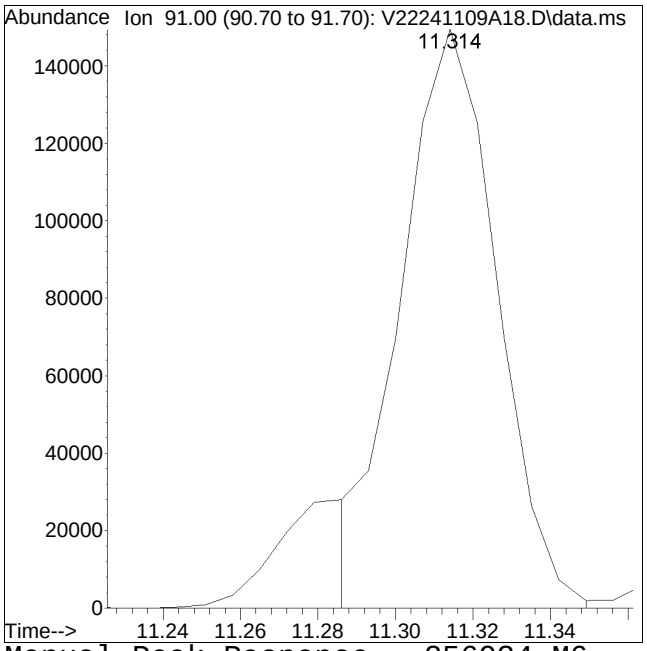
Manual Integration Report

Data Path : K:\VOA122\2024\241109A-ICAQMethod : V122_241109A_8260.m
Data File : V22241109A18.D Operator : VOA122:PID
Date Inj'd : 11/9/2024 1:52 pm Instrument : VOA 122
Sample : C8260STD10PPB Quant Date : 11/11/2024 12:28 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 294608



Manual Peak Response = 256934 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report VOA 122

Method Path : K:\VOA122\2024\241109A-ICAL\
Method File : V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
84	TP Bromoform	Q	ug/L	10.0	9.128	-8.7	0.50	0.580	16.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
84	TP Bromoform	Quadratic	0.999586	0.001798	0.166859	-0.00448563

Response Factor Report VOA130

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.259	0.282	0.250	0.245	0.245	0.218	0.192	0.242	12.07
3)	TP	Chloromethane		0.356	0.354	0.307	0.283	0.282	0.258	0.223	0.295	16.58
4)	TP	Vinyl chloride	0.304	0.331	0.339	0.298	0.281	0.281	0.255	0.226	0.290	12.99
5)	TP	Bromomethane		0.187	0.185	0.160	0.148	0.154	0.140	0.125	0.157	14.46
6)	TP	Chloroethane		0.212	0.216	0.183	0.170	0.170	0.155	0.134	0.177	16.69
7)	TP	Trichlorofluor...		0.360	0.375	0.337	0.328	0.326	0.290	0.255	0.324	12.55
8)	TP	Ethyl ether		0.076	0.077	0.081	0.090	0.091	0.087	0.079	0.083	7.37
10)	TP	1,1-Dichloroet...		0.227	0.235	0.215	0.208	0.210	0.192	0.170	0.208	10.54
11)	TP	Carbon disulfide		0.758	0.725	0.638	0.606	0.609	0.561	0.492	0.627	14.60
12)	TP	Freon-113		0.184	0.206	0.203	0.215	0.214	0.193	0.169	0.198	8.44
13)	TP	Iodomethane		0.145	0.159	0.160	0.172	0.193	0.185	0.163	0.168	9.85
14)	TP	Acrolein		0.020	0.023	0.020	0.019	0.018	0.018	0.018	0.019	8.97
15)	TP	Methylene chlo...		0.322	0.305	0.264	0.244	0.241	0.226	0.198	0.257	17.00
17)	TP	Acetone			0.059	0.042	0.038	0.035	0.034	0.033	*L	0.9986
18)	TP	trans-1,2-Dich...		0.258	0.251	0.228	0.219	0.222	0.207	0.181	0.224	11.61
19)	TP	Methyl acetate			0.109	0.097	0.094	0.089	0.087	0.086	0.094	9.04
21)	TP	Methyl tert-bu...		0.261	0.259	0.288	0.374	0.429	0.424		*Q	0.9975
22)	TP	tert-Butyl alc...		0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.007#	10.81
24)	TP	Diisopropyl ether		0.455	0.449	0.509	0.543	0.572	0.546	0.490	0.509	9.31
25)	TP	1,1-Dichloroet...		0.544	0.551	0.484	0.453	0.451	0.417	0.357	0.465	14.76
26)	TP	Halothane		0.128	0.143	0.145	0.164	0.170	0.157	0.138	0.149	9.92
27)	TP	Acrylonitrile		0.051	0.051	0.052	0.050	0.045	0.044	0.043	0.048	8.01
28)	TP	Ethyl tert-but...		0.325	0.337	0.398	0.442	0.490	0.487	0.460	0.420	16.27
29)	TP	Vinyl acetate		0.301	0.271	0.283	0.340	0.375	0.370	0.352	0.327	12.94
30)	TP	cis-1,2-Dichlo...		0.293	0.295	0.258	0.247	0.249	0.234	0.204	0.254	12.62
31)	TP	2,2-Dichloropr...		0.281	0.305	0.309	0.332	0.340	0.310	0.270	0.307	8.20
33)	TP	Bromochloromet...		0.134	0.130	0.119	0.112	0.109	0.103	0.092	0.114	12.85
34)	TP	Cyclohexane		0.267	0.287	0.308	0.388	0.414	0.373	0.332	0.338	16.23
35)	TP	Chloroform		0.495	0.510	0.444	0.417	0.414	0.385	0.333	0.428	14.32
36)	TP	Ethyl acetate		0.118	0.100	0.100	0.112	0.117	0.115	0.115	0.111	7.13

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...		0.191	0.211	0.231	0.282	0.306	0.284	0.253	0.251	16.77
38)	TP	Tetrahydrofuran		0.032	0.038	0.034	0.036	0.035	0.035	0.034	0.035	5.46
39)	S	Dibromofluorom...	0.387	0.397	0.382	0.349	0.325	0.305	0.303	0.301	0.344	11.75
40)	TP	1,1,1-Trichlor...		0.253	0.285	0.303	0.341	0.353	0.324	0.285	0.306	11.55
42)	TP	2-Butanone			0.041	0.042	0.049	0.051	0.050	0.050	0.047	9.45
43)	TP	1,1-Dichloropr...		0.196	0.206	0.215	0.268	0.310	0.289	0.258	0.249	17.75
45)	TP	Benzene	0.652	0.738	0.760	0.733	0.769	0.832	0.789	0.695	0.746	7.44
46)	TP	tert-Amyl meth...		0.279	0.283	0.325	0.358	0.370	0.365	0.346	0.332	11.48
47)	S	1,2-Dichloroet...	0.356	0.361	0.359	0.365	0.344	0.316	0.323	0.329	0.344	5.54
48)	TP	1,2-Dichloroet...		0.284	0.275	0.267	0.269	0.266	0.253	0.228	0.263	6.89
51)	TP	Methyl cyclohe...		0.209	0.233	0.258	0.289	0.313	0.290	0.264	0.265	13.55
52)	TP	Trichloroethene	0.150	0.159	0.165	0.167	0.194	0.222	0.210	0.188	0.182#	14.20
54)	TP	Dibromomethane		0.134	0.129	0.121	0.119	0.117	0.113	0.105	0.120	8.07
55)	TP	1,2-Dichloropr...		0.163	0.175	0.175	0.204	0.233	0.223	0.199	0.196#	13.49
57)	TP	2-Chloroethyl ...		0.061	0.067	0.084	0.093	0.088	0.087	0.083	0.080	14.67
58)	TP	Bromodichlorom...		0.229	0.234	0.244	0.289	0.310	0.295	0.263	0.266#	12.07
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.19
62)	TP	cis-1,3-Dichlo...		0.210	0.229	0.237	0.285	0.330	0.322	0.294	0.273#	17.32
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.328	1.333	1.321	1.371	1.368	1.350	1.348	1.312	1.341	1.61
65)	TP	Toluene		0.576	0.619	0.626	0.635	0.664	0.621	0.536	0.611	6.87
66)	TP	4-Methyl-2-pen...			0.030	0.044	0.050	0.050	0.049	0.046	0.045	17.68
67)	TP	Tetrachloroethene		0.197	0.210	0.221	0.235	0.249	0.233	0.206	0.222	8.37
69)	TP	trans-1,3-Dich...		0.188	0.207	0.253	0.301	0.350	0.349		*Q	0.9983
71)	TP	Ethyl methacry...		0.155	0.161	0.183	0.200	0.200	0.193	0.178	0.181	9.93
72)	TP	1,1,2-Trichlor...		0.096	0.111	0.128	0.144	0.160	0.160	0.153	0.136#	18.37
73)	TP	Chlorodibromom...		0.131	0.140	0.164	0.200	0.236	0.239		*Q	0.9984
74)	TP	1,3-Dichloropr...		0.234	0.248	0.282	0.314	0.347	0.344	0.327	0.299	15.23
75)	TP	1,2-Dibromoethane		0.113	0.120	0.138	0.151	0.164	0.165	0.160	0.144#	14.74
77)	TP	2-Hexanone		0.085	0.077	0.081	0.086	0.085	0.082	0.079	0.082	4.07
78)	T	Chlorobenzene		0.643	0.672	0.661	0.663	0.691	0.657	0.573	0.651	5.75

Response Factor Report VOA130

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.168	1.244	1.251	1.245	1.285	1.193	1.028	1.202	7.16
80)	T	1,1,1,2-Tetrac...		0.127	0.136	0.163	0.188	0.212	0.208	0.193	0.175	19.41
81)	TP	p/m Xylene		0.470	0.496	0.505	0.500	0.517	0.480	0.415	0.484	7.00
82)	TP	o Xylene		0.449	0.477	0.491	0.480	0.497	0.465	0.398	0.465	7.27
83)	TP	Styrene		0.725	0.773	0.817	0.806	0.821	0.765	0.644	0.765	8.24
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.104	0.124	0.152	0.178	0.189	0.191	0.191	*Q	0.9992
87)	TP	Isopropylbenzene		1.706	1.890	1.929	1.981	2.031	1.873	1.644	1.865	7.57
88)	S	4-Bromofluorob...	0.898	0.892	0.890	0.875	0.867	0.826	0.826	0.834	0.864	3.56
89)	TP	Bromobenzene		0.427	0.471	0.459	0.463	0.475	0.453	0.409	0.451	5.39
90)	TP	n-Propylbenzene		2.198	2.412	2.461	2.504	2.530	2.321	1.997	2.346	8.17
91)	TP	1,4-Dichlorobu...		0.408	0.394	0.414	0.437	0.421	0.408	0.386	0.410	4.14
92)	TP	1,1,2,2-Tetrac...		0.267	0.278	0.285	0.308	0.308	0.303	0.296	0.292	5.42
93)	TP	4-Ethyltoluene		1.784	1.960	2.013	2.060	2.122	1.965	1.712	1.945	7.57
94)	TP	2-Chlorotoluene		1.489	1.519	1.481	1.470	1.496	1.402	1.220	1.439	7.19
95)	TP	1,3,5-Trimethy...		1.507	1.651	1.747	1.821	1.908	1.760	1.528	1.703	8.74
96)	TP	1,2,3-Trichlor...		0.228	0.228	0.237	0.254	0.247	0.241	0.234	0.238	4.05
97)	TP	trans-1,4-Dich...		0.055	0.064	0.070	0.077	0.077	0.076	0.077	0.071	12.26
98)	TP	4-Chlorotoluene		1.447	1.563	1.546	1.550	1.605	1.497	1.304	1.502	6.70
99)	TP	tert-Butylbenzene		1.279	1.398	1.409	1.451	1.504	1.398	1.233	1.382	6.86
102)	TP	1,2,4-Trimethy...		1.356	1.528	1.690	1.799	1.901	1.771	1.521	1.652	11.58
103)	TP	sec-Butylbenzene		1.792	2.033	2.098	2.151	2.201	2.021	1.766	2.009	8.42
104)	TP	p-Isopropyltol...		1.440	1.674	1.794	1.873	1.972	1.815	1.574	1.735	10.57
105)	TP	1,3-Dichlorobe...		0.921	0.958	0.964	0.973	1.016	0.960	0.846	0.948	5.62
106)	TP	1,4-Dichlorobe...		0.971	0.992	0.978	0.982	1.029	0.972	0.859	0.969	5.40
107)	TP	p-Diethylbenzene		0.813	0.912	1.020	1.097	1.199	1.120	0.983	1.021	12.88
108)	TP	n-Butylbenzene		1.179	1.420	1.561	1.654	1.746	1.605	1.391	1.508	12.70
109)	TP	1,2-Dichlorobe...		0.889	0.909	0.909	0.926	0.952	0.902	0.804	0.899	5.15
110)	TP	1,2,4,5-Tetram...		1.128	1.192	1.274	1.527	1.774	1.690	1.481	1.438	17.26
111)	TP	1,2-Dibromo-3-...		0.040	0.051	0.050	0.052	0.050	0.049	0.049	0.049	8.45
112)	TP	1,3,5-Trichlor...		0.571	0.601	0.622	0.697	0.770	0.733	0.650	0.663	10.99

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

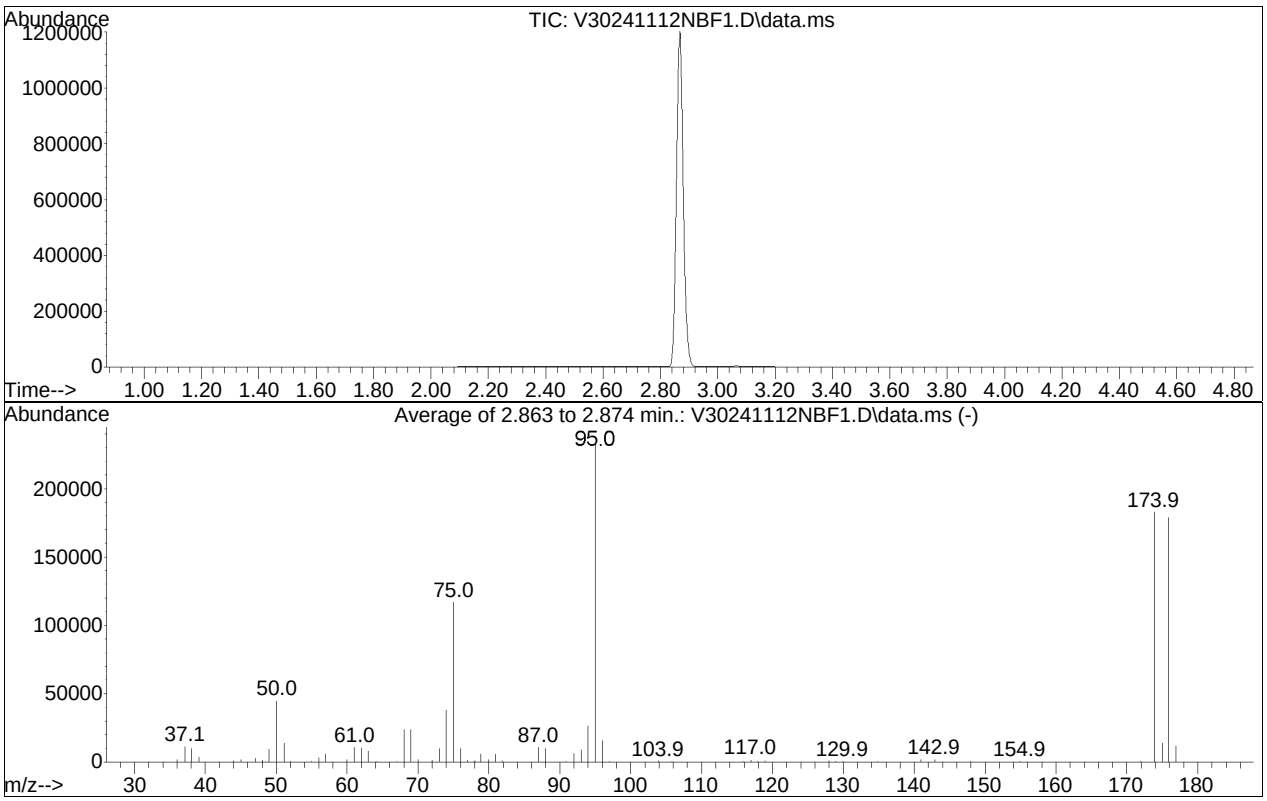
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.205	0.225	0.224	0.233	0.250	0.235	0.213	0.227		6.53
114)	TP 1,2,4-Trichlor...	0.519	0.538	0.566	0.617	0.662	0.637	0.578	0.588		8.94
115)	TP Naphthalene	1.124	1.084	1.210	1.300	1.293	1.240	1.162	1.202		6.88
116)	TP 1,2,3-Trichlor...	0.524	0.527	0.540	0.573	0.586	0.563	0.520	0.548		4.80

(#) = Out of Range

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112NBF1.D
Acq On : 12 Nov 2024 02:39 pm
Operator : VOA130:PID
Sample : WG1996978-1
Misc : WG1996978
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 12:42:51 2024



AutoFind: Scans 148, 149, 150; Background Corrected with Scan 139

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	45027	PASS
75	95	30	60	50.0	116885	PASS
95	95	100	100	100.0	233621	PASS
96	95	5	9	6.8	15849	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.3	182912	PASS
175	174	5	9	7.6	13924	PASS
176	174	95	101	97.9	179051	PASS
177	176	5	9	6.6	11760	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N03.D
Acq On : 12 Nov 2024 03:35 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1996978,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 12:29:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	403362	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery =	89.11%		
63) Chlorobenzene-d5	9.633	117	355797	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery =	99.29%		
84) 1,4-Dichlorobenzene-d4	12.323	152	215025	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery =	96.85%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	156011	11.273	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.73%		
47) 1,2-Dichloroethane-d4	5.801	65	143480	10.243	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.43%		
64) Toluene-d8	7.788	98	472598	9.917	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.17%		
88) 4-Bromofluorobenzene	11.117	95	193187	10.389	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.89%		
Target Compounds						Qvalue
4) Vinyl chloride	1.942	62	2331	0.206	ug/L	100
37) Carbon tetrachloride	5.229	117	1017	0.107	ug/L #	18
45) Benzene	5.675	78	4997M6	0.170	ug/L	
52) Trichloroethene	6.278	95	1147M6	0.159	ug/L	
62) cis-1,3-Dichloropropene	7.583	75	1440	0.138	ug/L	93
69) trans-1,3-Dichloropropene	8.338	75	1163	0.123	ug/L	89

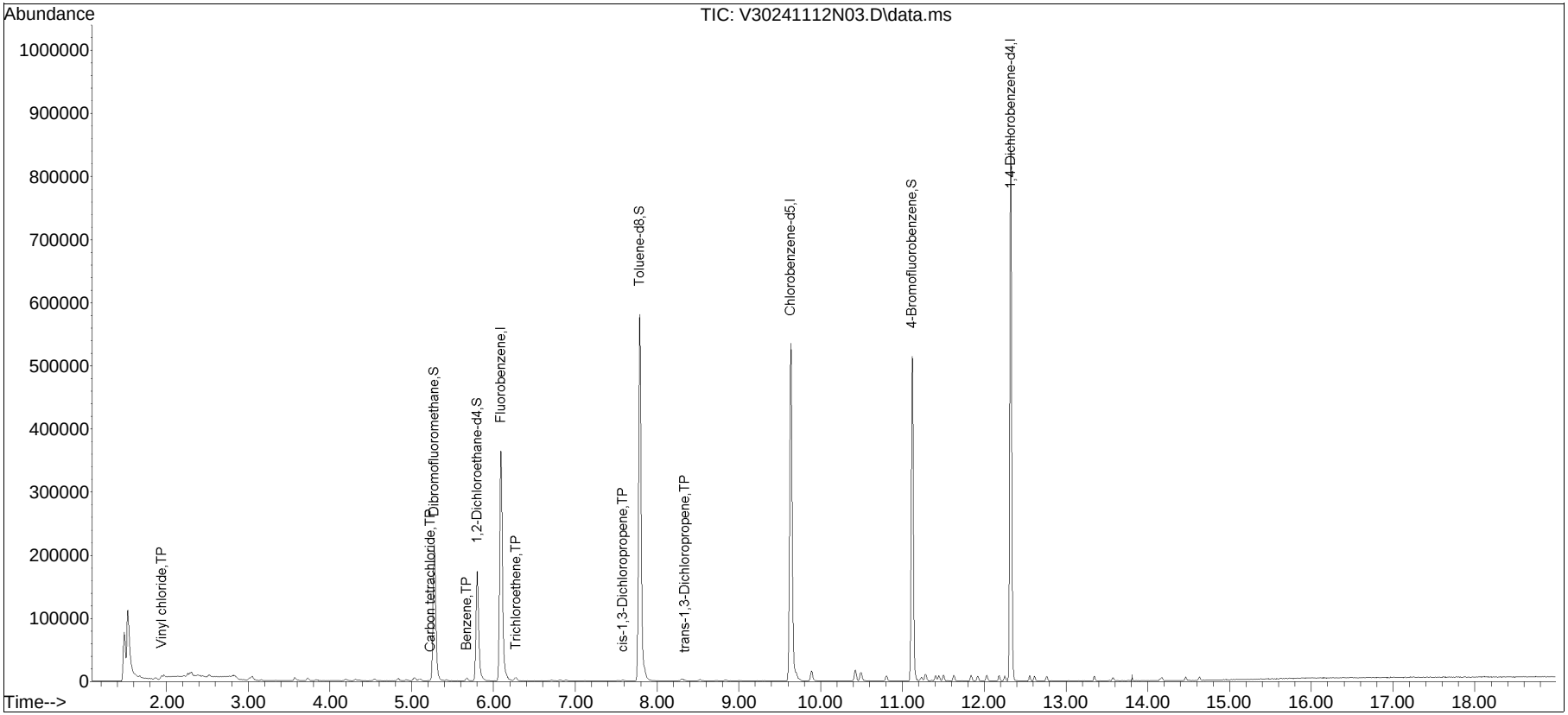
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N03.D
Acq On : 12 Nov 2024 03:35 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1996978,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 12:29:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

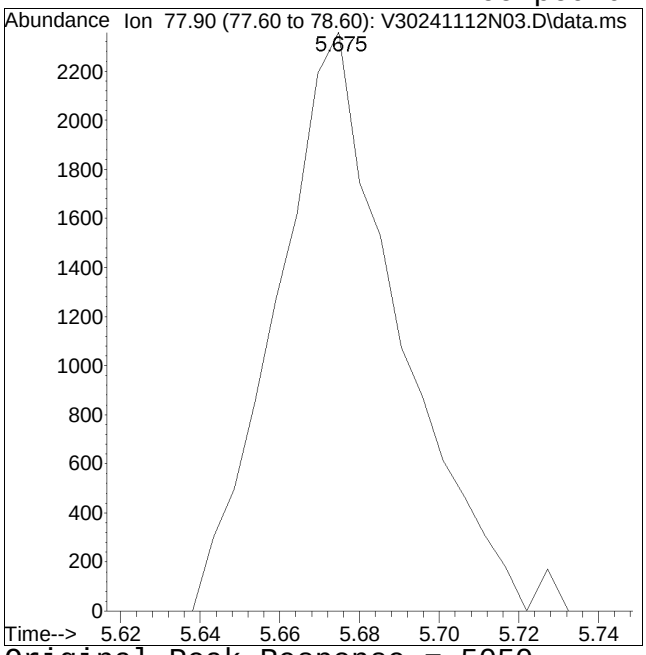
Sub List : 8260-L11_MCP - L11 MCP112NICAL\V30241112N08.D•



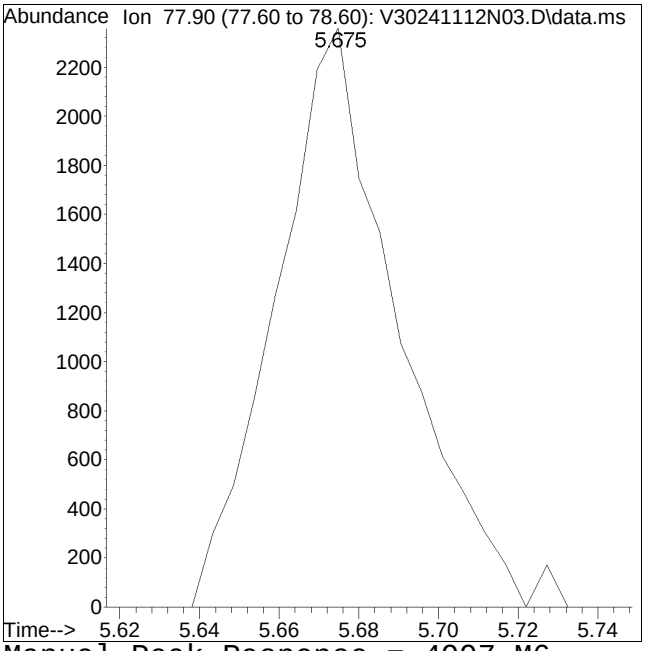
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N03.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 3:35 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 11/13/2024 12:29 pm

Compound #45: Benzene



Original Peak Response = 5050



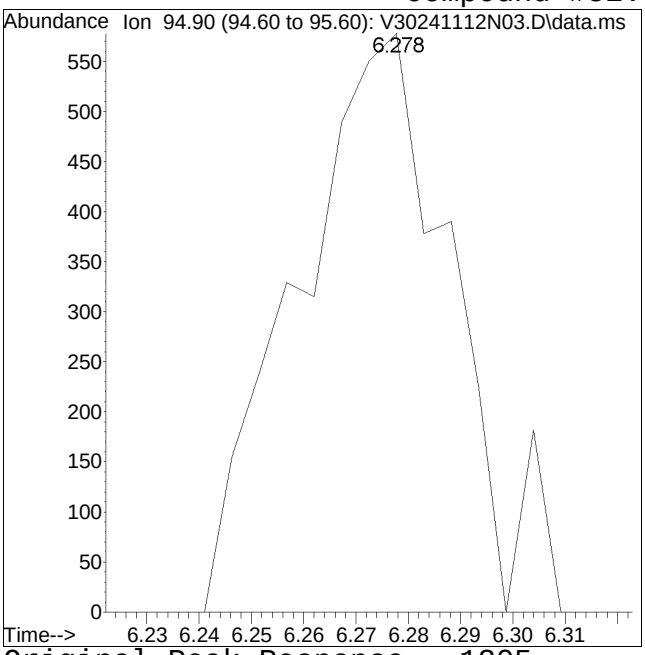
Manual Peak Response = 4997 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

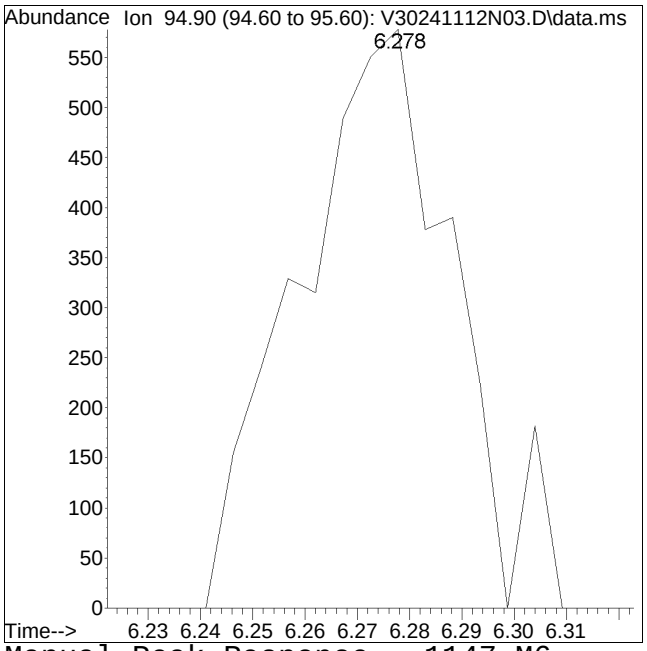
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N03.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 3:35 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 11/13/2024 12:29 pm

Compound #52: Trichloroethene



Original Peak Response = 1205



Manual Peak Response = 1147 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	384585	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 84.96%			
63) Chlorobenzene-d5	9.639	117	341144	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 95.20%			
84) 1,4-Dichlorobenzene-d4	12.323	152	212160	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 95.56%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	152657	11.569	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.69%			
47) 1,2-Dichloroethane-d4	5.801	65	138872	10.399	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.99%			
64) Toluene-d8	7.788	98	454747	9.952	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.52%			
88) 4-Bromofluorobenzene	11.117	95	189347	10.320	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	4978	0.550	ug/L	95
3) Chloromethane	1.863	50	6845	0.629	ug/L #	95
4) Vinyl chloride	1.942	62	6368	0.590	ug/L	98
5) Bromomethane	2.261	94	3597M6	0.612	ug/L	
6) Chloroethane	2.382	64	4080	0.618	ug/L	97
7) Trichlorofluoromethane	2.524	101	6924	0.575	ug/L	99
8) Ethyl ether	2.828	74	1466	0.469	ug/L	94
10) 1,1-Dichloroethene	3.017	96	4373	0.565	ug/L	83
11) Carbon disulfide	3.048	76	14567	0.626	ug/L	99
12) Freon-113	3.053	101	3540	0.484	ug/L	91
13) Iodomethane	3.153	142	2783	0.439	ug/L #	96
14) Acrolein	3.331	56	392	0.531	ug/L #	62
15) Methylene chloride	3.572	84	6190	0.649	ug/L	83
17) Acetone	3.609	43	2184	1.167	ug/L #	68
18) trans-1,2-Dichloroethene	3.724	96	4957	0.597	ug/L	81
19) Methyl acetate	3.730	43	3202	0.812	ug/L #	81
21) Methyl tert-butyl ether	3.829	73	5022	0.377	ug/L #	87
22) tert-Butyl alcohol	3.903	59	608	2.196	ug/L #	4
24) Diisopropyl ether	4.191	45	8758	0.459	ug/L	95
25) 1,1-Dichloroethane	4.312	63	10464	0.608	ug/L	99
26) Halothane	4.359	117	2462	0.440	ug/L	94

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	982	0.527	ug/L		96
28) Ethyl tert-butyl ether	4.537	59	6249	0.393	ug/L		93
29) Vinyl acetate	4.542	43	5789	0.466	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	5639	0.596	ug/L		86
31) 2,2-Dichloropropane	4.930	77	5396	0.472	ug/L		95
33) Bromochloromethane	5.030	128	2571	0.600	ug/L	#	74
34) Cyclohexane	5.040	56	5132	0.405	ug/L		91
35) Chloroform	5.103	83	9511	0.596	ug/L		93
36) Ethyl acetate	5.208	43	2275	0.539	ug/L	#	75
37) Carbon tetrachloride	5.245	117	3667	0.405	ug/L	#	85
38) Tetrahydrofuran	0.000		0	N.D.	d		
40) 1,1,1-Trichloroethane	5.297	97	4862	0.425	ug/L		93
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	5.428	75	3766	0.402	ug/L		99
45) Benzene	5.670	78	14200	0.508	ug/L		95
46) tert-Amyl methyl ether	5.790	73	5358	0.426	ug/L		91
48) 1,2-Dichloroethane	5.869	62	5469	0.550	ug/L		97
51) Methyl cyclohexane	6.272	83	4018	0.402	ug/L		93
52) Trichloroethene	6.272	95	3063	0.447	ug/L		94
54) Dibromomethane	6.708	93	2571	0.573	ug/L		93
55) 1,2-Dichloropropane	6.818	63	3128	0.427	ug/L		98
57) 2-Chloroethyl vinyl ether	7.510	63	1170	0.385	ug/L	#	74
58) Bromodichloromethane	6.881	83	4405	0.440	ug/L	#	98
61) 1,4-Dioxane	7.096	88	4591	128.381	ug/L		97
62) cis-1,3-Dichloropropene	7.578	75	4046	0.407	ug/L		90
65) Toluene	7.845	92	9820	0.484	ug/L		94
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
67) Tetrachloroethene	8.307	166	3355	0.455	ug/L		92
69) trans-1,3-Dichloropropene	8.333	75	3206	0.354	ug/L		89
71) Ethyl methacrylate	8.527	69	2642	0.429	ug/L	#	84
72) 1,1,2-Trichloroethane	8.511	83	1636	0.353	ug/L		87
73) Chlorodibromomethane	8.726	129	2240	0.348	ug/L	#	96
74) 1,3-Dichloropropane	8.836	76	3984	0.395	ug/L		95
75) 1,2-Dibromoethane	9.004	107	1933	0.400	ug/L		97
77) 2-Hexanone	9.298	43	1456	0.521	ug/L	#	55
78) Chlorobenzene	9.660	112	10973	0.506	ug/L	#	65
79) Ethylbenzene	9.701	91	19923	0.498	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.743	131	2166	0.369	ug/L	#	64
81) p/m Xylene	9.885	106	16050	1.003	ug/L		94
82) o Xylene	10.420	106	15321	0.992	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.488	104	24733	0.977	ug/L		95
85) Bromoform	10.514	173	1108	0.324	ug/L		99
87) Isopropylbenzene	10.803	105	18101	0.468	ug/L		97
89) Bromobenzene	11.232	156	4528	0.481	ug/L		100
90) n-Propylbenzene	11.280	91	23317	0.480	ug/L		98
91) 1,4-Dichlorobutane	11.295	55	4327	0.501	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.358	83	2834	0.461	ug/L	#	91
93) 4-Ethyltoluene	11.405	105	18926	0.470	ug/L		100
94) 2-Chlorotoluene	11.447	91	15793M6	0.536	ug/L		
95) 1,3,5-Trimethylbenzene	11.500	105	15989	0.455	ug/L		100
96) 1,2,3-Trichloropropane	11.495	75	2416	0.478	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.547	53	582	0.380	ug/L	#	75
98) 4-Chlorotoluene	11.626	91	15353	0.493	ug/L		94
99) tert-Butylbenzene	11.841	119	13564	0.475	ug/L		98
102) 1,2,4-Trimethylbenzene	11.919	105	14381	0.421	ug/L		99
103) sec-Butylbenzene	12.035	105	19011	0.456	ug/L		94
104) p-Isopropyltoluene	12.187	119	15279	0.425	ug/L		95
105) 1,3-Dichlorobenzene	12.250	146	9765	0.496	ug/L		99
106) 1,4-Dichlorobenzene	12.339	146	10301M3	0.513	ug/L		
107) p-Diethylbenzene	12.554	119	8623	0.408	ug/L		94
108) n-Butylbenzene	12.611	91	12504	0.399	ug/L		99
109) 1,2-Dichlorobenzene	12.769	146	9434	0.508	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.345	119	11962	0.401	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.529	155	421	0.408	ug/L	#	77
112) 1,3,5-Trichlorobenzene	13.576	180	6055	0.443	ug/L		96
113) Hexachlorobutadiene	14.148	225	2175	0.467	ug/L		100
114) 1,2,4-Trichlorobenzene	14.169	180	5504	0.454	ug/L		98
115) Naphthalene	14.462	128	11922	0.474	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	5560	0.488	ug/L		97

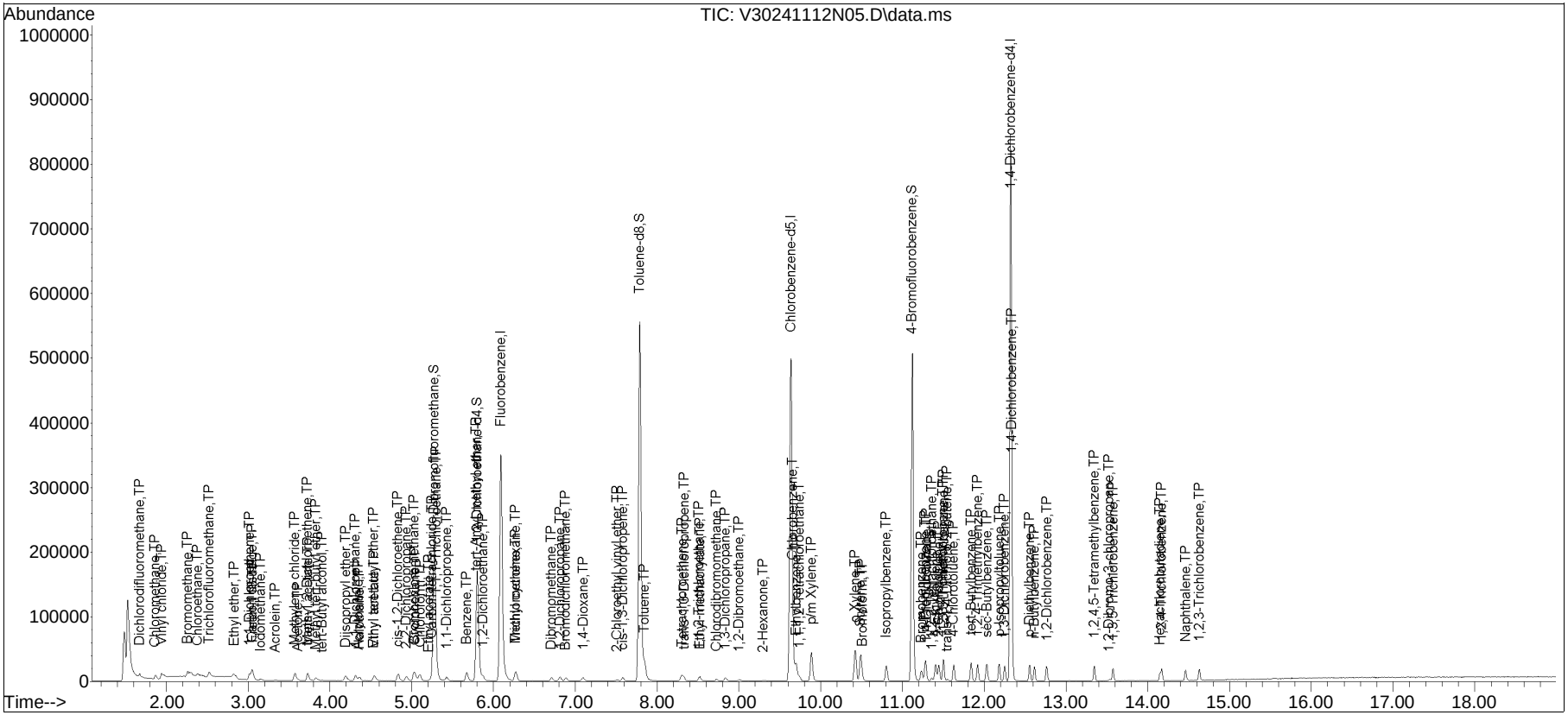
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

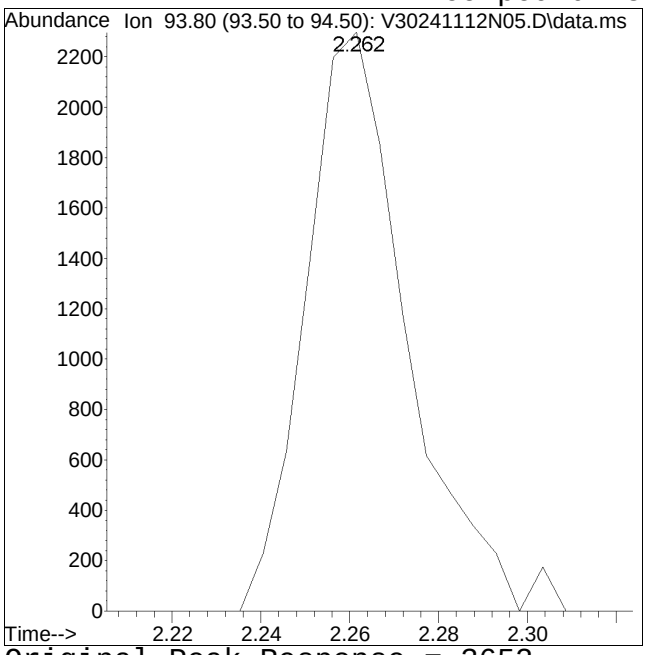
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



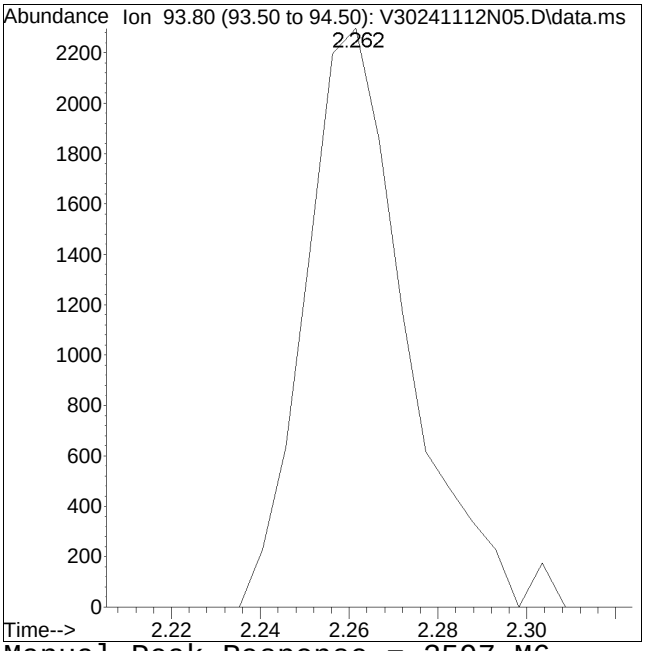
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N05.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:19 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 11/13/2024 12:32 pm

Compound #5: Bromomethane



Original Peak Response = 3652



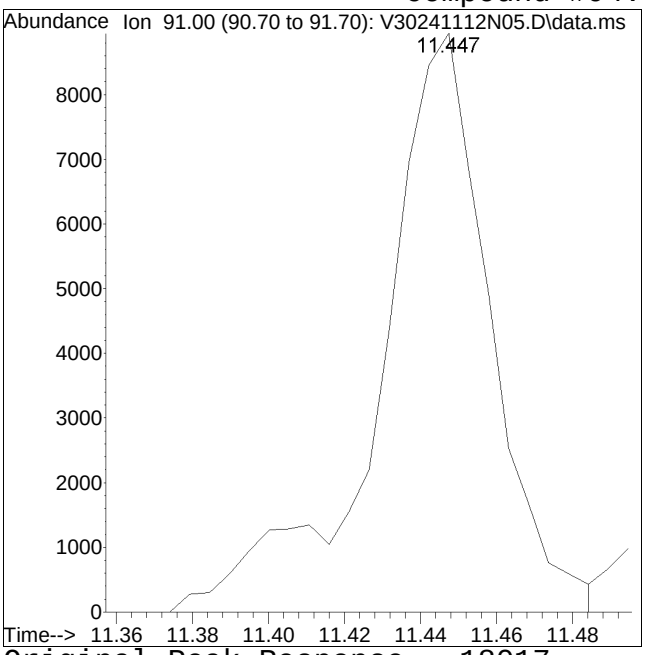
Manual Peak Response = 3597 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

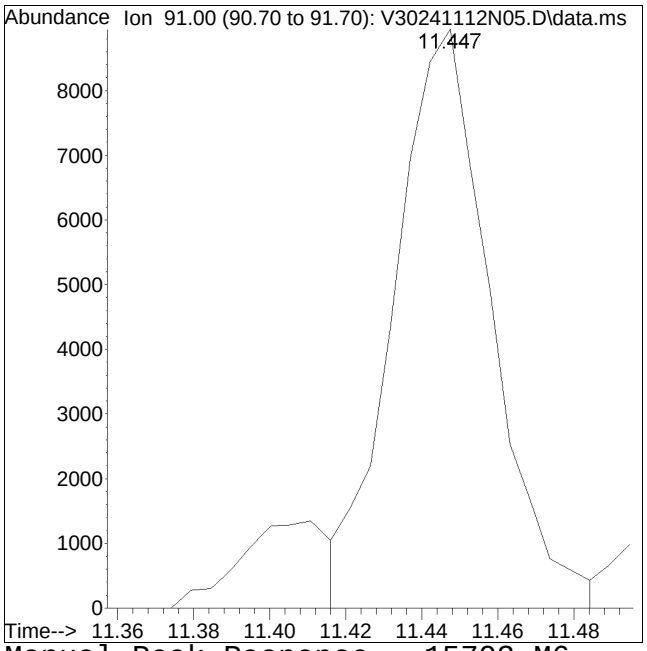
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N05.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:19 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 11/13/2024 12:32 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 18017



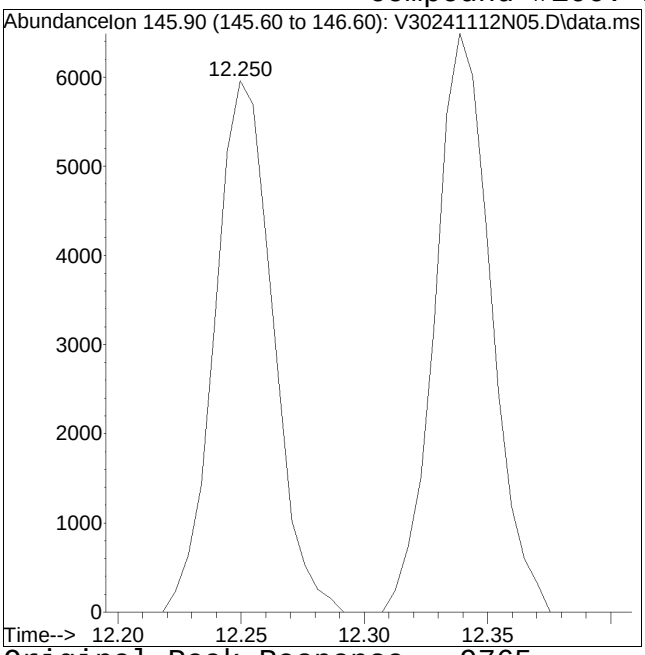
Manual Peak Response = 15793 M6

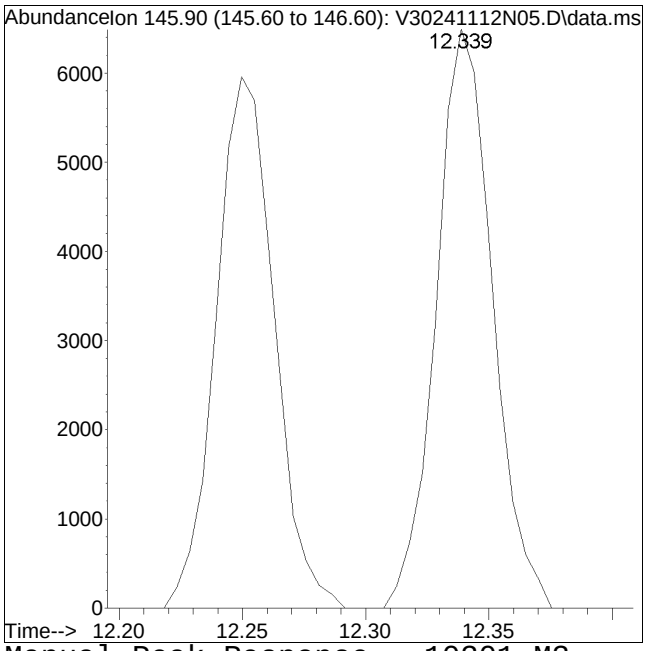
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N05.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:19 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 11/13/2024 12:32 pm

Compound #106: 1,4-Dichlorobenzene





Original Peak Response = 9765 Manual Peak Response = 10301 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	409145	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery =	90.39%		
63) Chlorobenzene-d5	9.633	117	356531	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery =	99.49%		
84) 1,4-Dichlorobenzene-d4	12.323	152	218876	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery =	98.59%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	156334	11.136	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.36%		
47) 1,2-Dichloroethane-d4	5.801	65	146960	10.344	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.44%		
64) Toluene-d8	7.788	98	470825	9.859	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.59%		
88) 4-Bromofluorobenzene	11.123	95	194769	10.290	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	23104	2.400	ug/L	97
3) Chloromethane	1.868	50	28962	2.502	ug/L	98
4) Vinyl chloride	1.942	62	27778	2.420	ug/L	100
5) Bromomethane	2.262	94	15123	2.418	ug/L	96
6) Chloroethane	2.382	64	17713	2.522	ug/L	98
7) Trichlorofluoromethane	2.524	101	30684	2.395	ug/L	99
8) Ethyl ether	2.823	74	6315	1.898	ug/L #	93
10) 1,1-Dichloroethene	3.017	96	19248	2.336	ug/L	83
11) Carbon disulfide	3.048	76	59352	2.396	ug/L	100
12) Freon-113	3.053	101	16820	2.160	ug/L	91
13) Iodomethane	3.153	142	13037	1.935	ug/L	100
14) Acrolein	3.337	56	1843	2.348	ug/L	99
15) Methylene chloride	3.572	84	24929	2.458	ug/L	85
17) Acetone	3.604	43	4830	2.426	ug/L	95
18) trans-1,2-Dichloroethene	3.730	96	20559	2.328	ug/L	88
19) Methyl acetate	3.730	43	8889	2.118	ug/L #	94
21) Methyl tert-butyl ether	3.829	73	21224	1.498	ug/L	97
22) tert-Butyl alcohol	3.913	59	2539	8.619	ug/L #	52
24) Diisopropyl ether	4.191	45	36706	1.810	ug/L	97
25) 1,1-Dichloroethane	4.317	63	45117	2.463	ug/L	98
26) Halothane	4.364	117	11704	1.967	ug/L	97

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	4156	2.097	ug/L		95
28) Ethyl tert-butyl ether	4.542	59	27577	1.630	ug/L		95
29) Vinyl acetate	4.542	43	22136	1.676	ug/L		97
30) cis-1,2-Dichloroethene	4.836	96	24136	2.396	ug/L		85
31) 2,2-Dichloropropane	4.941	77	24945	2.051	ug/L		91
33) Bromochloromethane	5.025	128	10626	2.331	ug/L	#	70
34) Cyclohexane	5.041	56	23452	1.742	ug/L		87
35) Chloroform	5.098	83	41717	2.458	ug/L		96
36) Ethyl acetate	5.214	43	8154	1.815	ug/L		96
37) Carbon tetrachloride	5.240	117	17305M1	1.797	ug/L		
38) Tetrahydrofuran	5.245	42	3131M6	2.210	ug/L		
40) 1,1,1-Trichloroethane	5.308	97	23314	1.914	ug/L		94
42) 2-Butanone	5.387	43	3333M6	1.734	ug/L		
43) 1,1-Dichloropropene	5.428	75	16827	1.690	ug/L		94
45) Benzene	5.670	78	62192	2.091	ug/L		97
46) tert-Amyl methyl ether	5.785	73	23157	1.729	ug/L		95
48) 1,2-Dichloroethane	5.874	62	22541	2.131	ug/L	#	98
51) Methyl cyclohexane	6.273	83	19048	1.793	ug/L		94
52) Trichloroethene	6.273	95	13465	1.846	ug/L		93
54) Dibromomethane	6.703	93	10532	2.208	ug/L		91
55) 1,2-Dichloropropane	6.813	63	14323	1.838	ug/L		96
57) 2-Chloroethyl vinyl ether	7.510	63	5490	1.698	ug/L		92
58) Bromodichloromethane	6.886	83	19108	1.793	ug/L		98
61) 1,4-Dioxane	7.096	88	16535	434.623	ug/L		96
62) cis-1,3-Dichloropropene	7.583	75	18732	1.773	ug/L	#	86
65) Toluene	7.846	92	44137	2.081	ug/L		99
66) 4-Methyl-2-pentanone	8.276	58	2104	1.317	ug/L	#	85
67) Tetrachloroethene	8.302	166	14969	1.941	ug/L		93
69) trans-1,3-Dichloropropene	8.328	75	14733	1.555	ug/L	#	87
71) Ethyl methacrylate	8.522	69	11495	1.786	ug/L	#	86
72) 1,1,2-Trichloroethane	8.517	83	7933	1.639	ug/L		97
73) Chlorodibromomethane	8.726	129	9951	1.480	ug/L		97
74) 1,3-Dichloropropane	8.831	76	17714	1.681	ug/L		99
75) 1,2-Dibromoethane	9.004	107	8523	1.688	ug/L		97
77) 2-Hexanone	9.298	43	5517	1.891	ug/L	#	92
78) Chlorobenzene	9.654	112	47915	2.113	ug/L	#	85
79) Ethylbenzene	9.696	91	88702	2.121	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.738	131	9696	1.580	ug/L		97
81) p/m Xylene	9.885	106	70806	4.235	ug/L		95
82) o Xylene	10.420	106	67972	4.210	ug/L		99

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	110220	4.167	ug/L	95
85) Bromoform	10.509	173	5427	1.539	ug/L	98
87) Isopropylbenzene	10.803	105	82729	2.074	ug/L	98
89) Bromobenzene	11.233	156	20627	2.122	ug/L	96
90) n-Propylbenzene	11.280	91	105576	2.107	ug/L	97
91) 1,4-Dichlorobutane	11.290	55	17232	1.933	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	12166	1.917	ug/L	99
93) 4-Ethyltoluene	11.406	105	85808	2.067	ug/L	99
94) 2-Chlorotoluene	11.442	91	66490M1	2.188	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	72276	1.992	ug/L	97
96) 1,2,3-Trichloropropane	11.495	75	9968	1.913	ug/L	93
97) trans-1,4-Dichloro-2-b...	11.552	53	2794	1.770	ug/L	97
98) 4-Chlorotoluene	11.626	91	68404	2.130	ug/L	97
99) tert-Butylbenzene	11.841	119	61216	2.079	ug/L	94
102) 1,2,4-Trimethylbenzene	11.919	105	66884	1.898	ug/L	98
103) sec-Butylbenzene	12.030	105	88994	2.071	ug/L	95
104) p-Isopropyltoluene	12.182	119	73261	1.976	ug/L	97
105) 1,3-Dichlorobenzene	12.250	146	41954	2.067	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	43442	2.095	ug/L	97
107) p-Diethylbenzene	12.554	119	39933	1.831	ug/L	96
108) n-Butylbenzene	12.612	91	62155	1.923	ug/L	97
109) 1,2-Dichlorobenzene	12.764	146	39801	2.076	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.346	119	52170	1.694	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	2226	2.091	ug/L	88
112) 1,3,5-Trichlorobenzene	13.571	180	26289	1.864	ug/L	97
113) Hexachlorobutadiene	14.148	225	9860	2.052	ug/L	97
114) 1,2,4-Trichlorobenzene	14.169	180	23531	1.880	ug/L	99
115) Naphthalene	14.457	128	47442	1.829	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	23066	1.964	ug/L	99

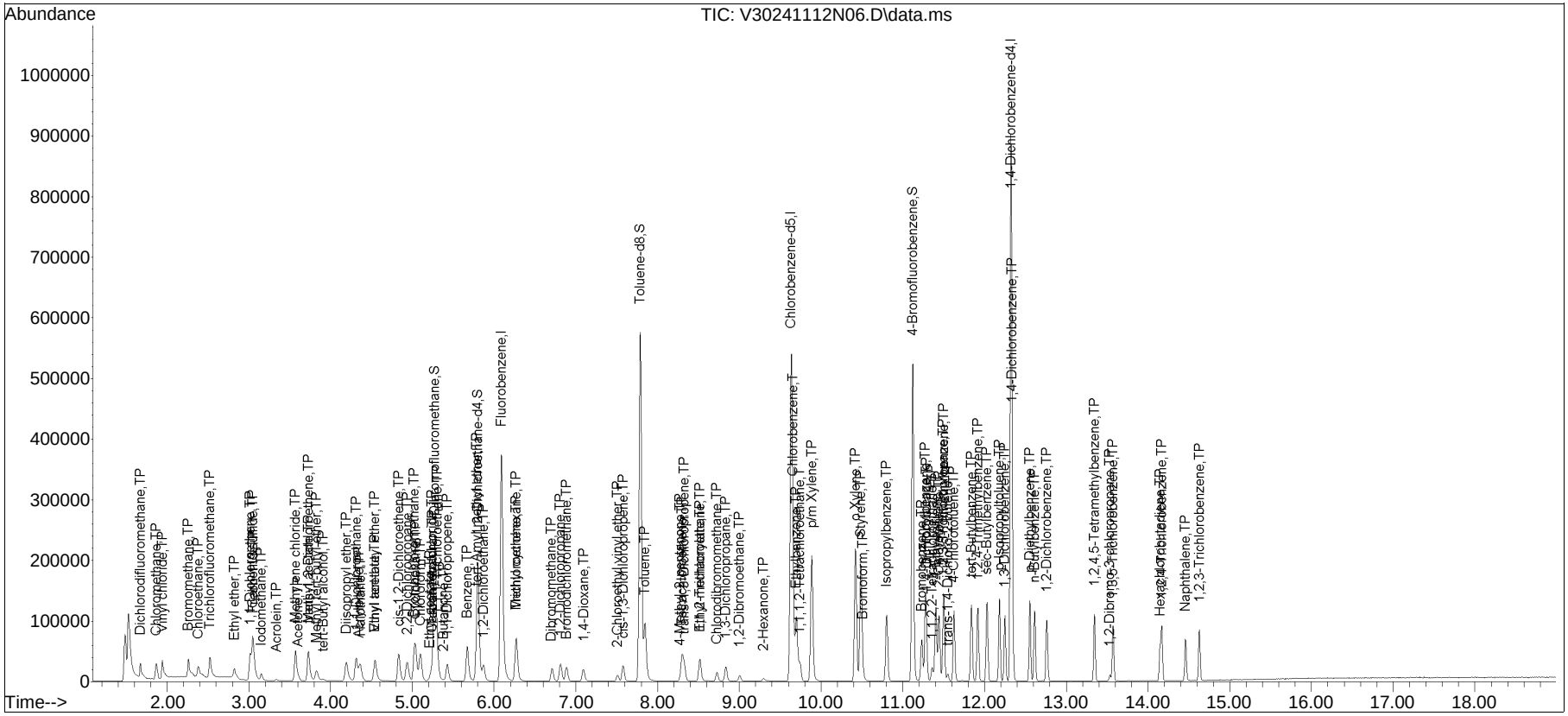
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•

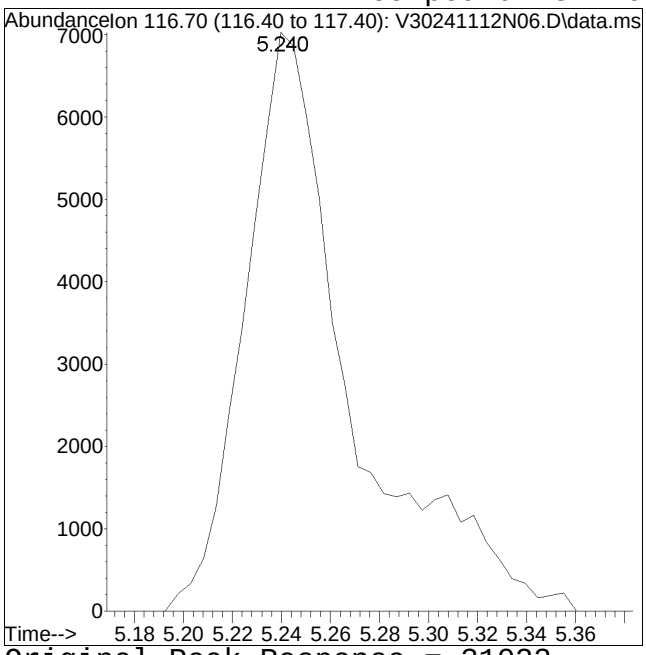


Manual Integration Report

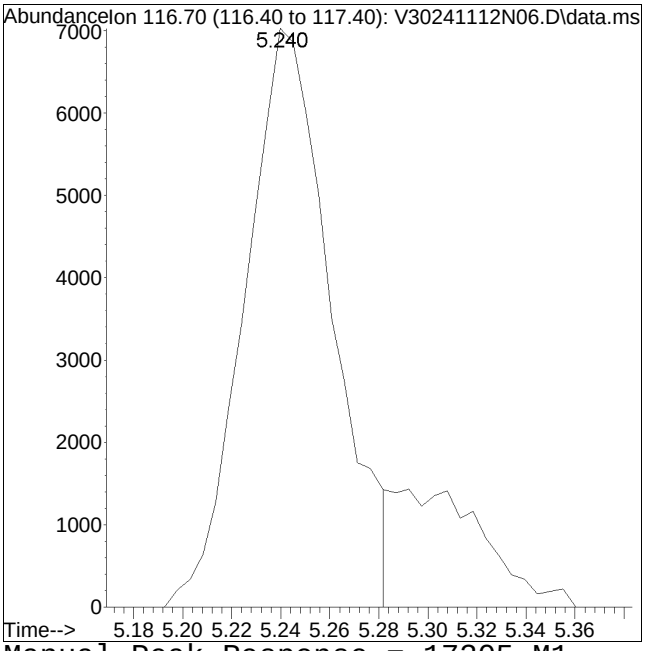
Data Path : K:\VOA130\2024\241112NICALQ
Data File : V30241112N06.D
Date Inj'd : 11/12/2024 4:41 pm
Sample : I8260STD2PPB

Method : V130_241112N_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 11/13/2024 12:29 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 21022



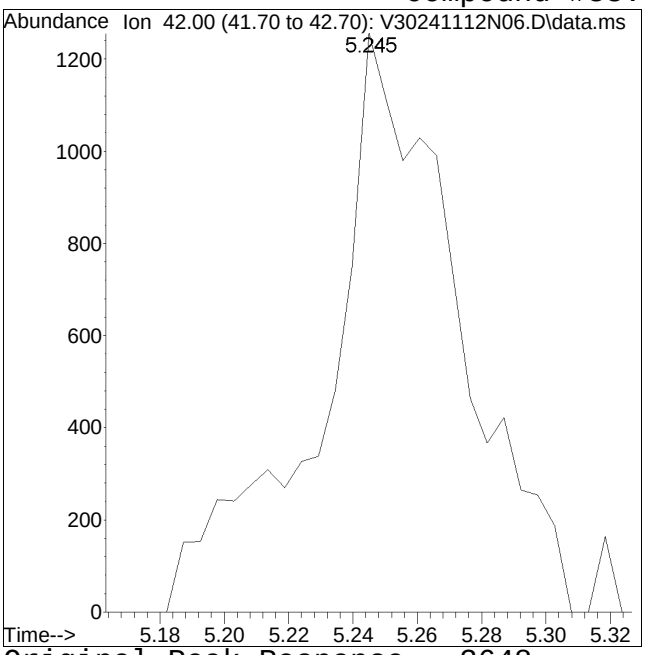
Manual Peak Response = 17305 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

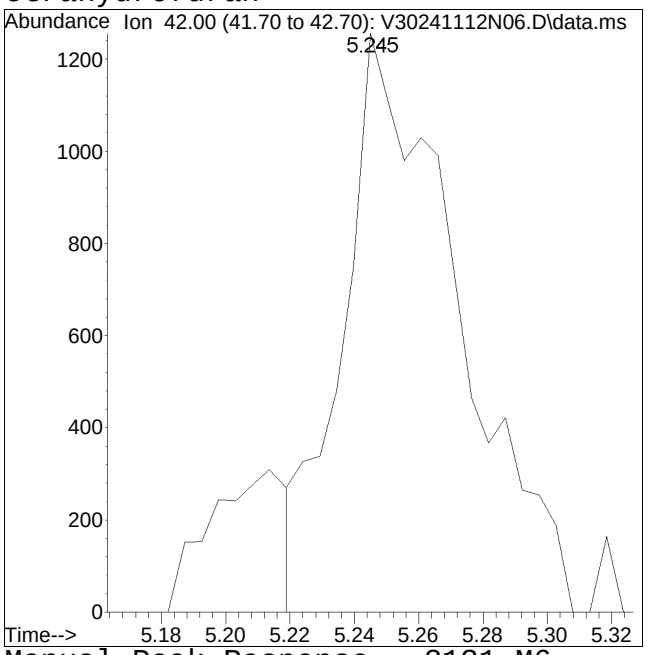
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 3648



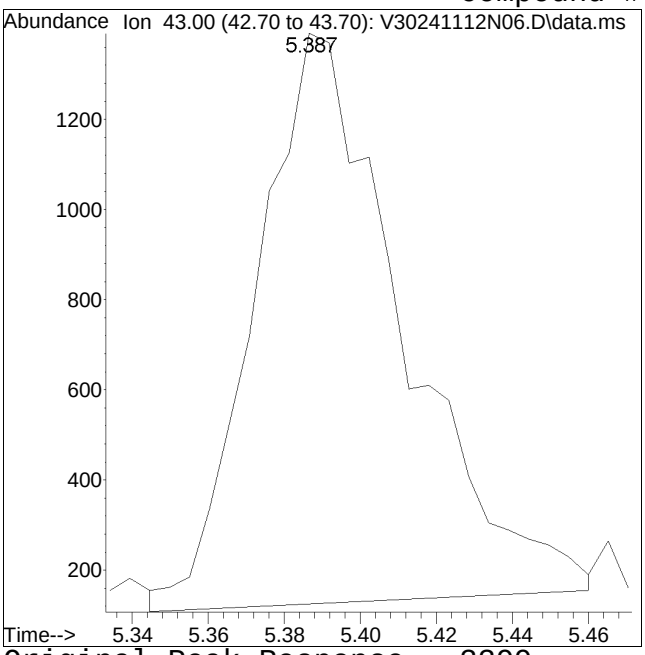
Manual Peak Response = 3131 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

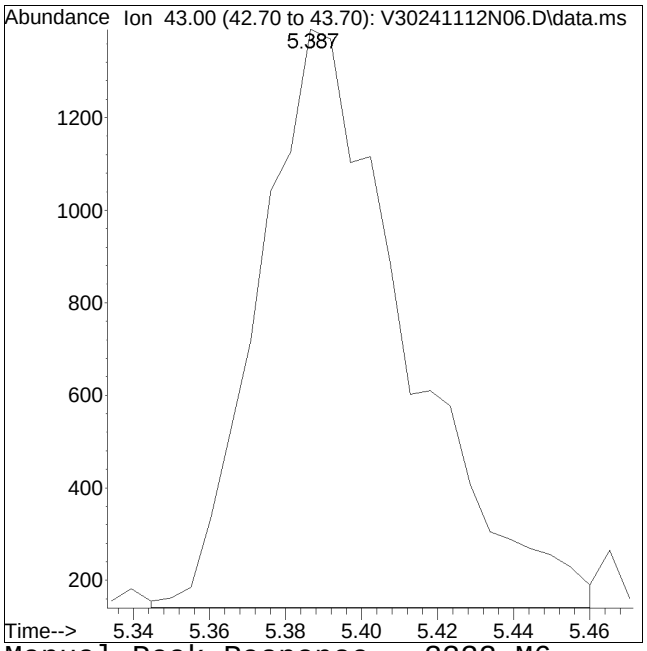
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #42: 2-Butanone



Original Peak Response = 3399



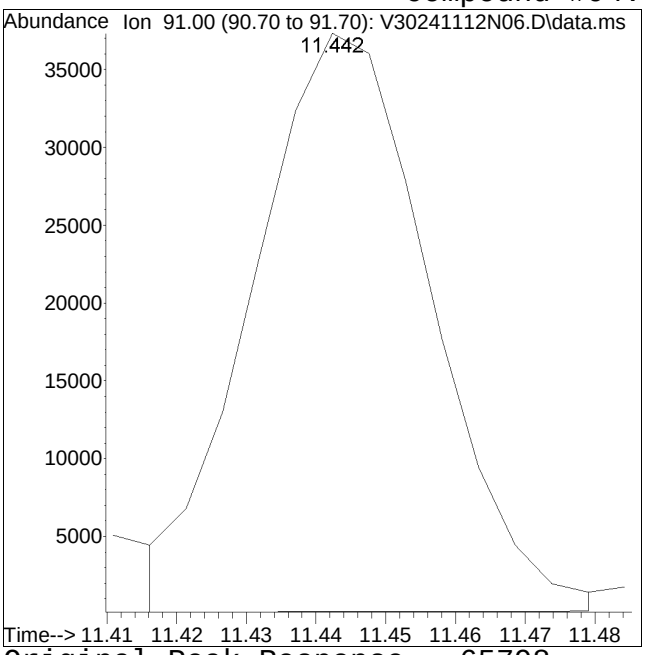
Manual Peak Response = 3333 M6

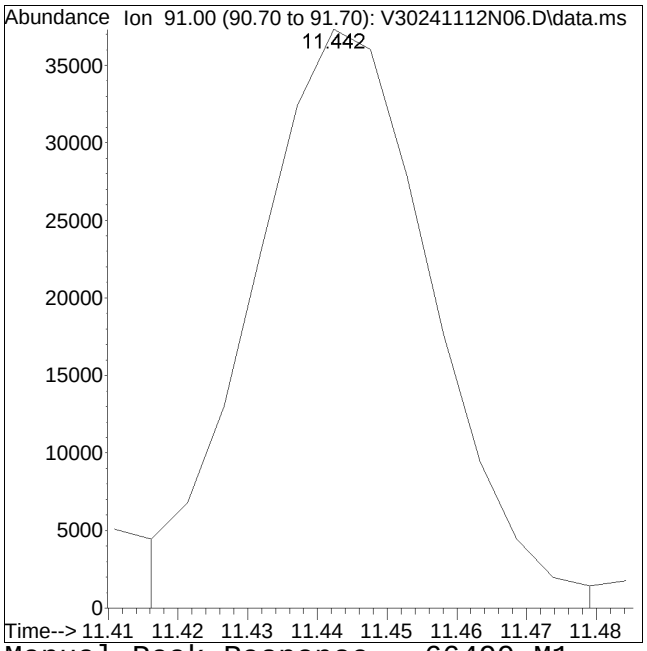
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #94: 2-Chlorotoluene





Original Peak Response = 65798 Manual Peak Response = 66490 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	452641	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 100.00%			
63) Chlorobenzene-d5	9.633	117	358354	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.323	152	222013	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	157833	10.163	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.63%			
47) 1,2-Dichloroethane-d4	5.801	65	165359	10.520	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.20%			
64) Toluene-d8	7.788	98	491373	10.237	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.37%			
88) 4-Bromofluorobenzene	11.117	95	194329	10.122	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	113160	10.624	ug/L	96
3) Chloromethane	1.868	50	139127	10.865	ug/L	98
4) Vinyl chloride	1.942	62	134983	10.630	ug/L	100
5) Bromomethane	2.262	94	72626	10.497	ug/L	99
6) Chloroethane	2.382	64	82943	10.676	ug/L	98
7) Trichlorofluoromethane	2.524	101	152518	10.761	ug/L	99
8) Ethyl ether	2.823	74	36760	9.987	ug/L	91
10) 1,1-Dichloroethene	3.017	96	97443	10.690	ug/L	81
11) Carbon disulfide	3.048	76	289003	10.544	ug/L	100
12) Freon-113	3.053	101	91923	10.669	ug/L	91
13) Iodomethane	3.153	142	72593	9.738	ug/L	97
14) Acrolein	3.331	56	9107	10.487	ug/L	99
15) Methylene chloride	3.572	84	119587	10.660	ug/L	86
17) Acetone	3.604	43	19231	8.730	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	103115	10.555	ug/L	88
19) Methyl acetate	3.730	43	43750	9.421	ug/L #	88
21) Methyl tert-butyl ether	3.829	73	130526	8.328	ug/L	93
22) tert-Butyl alcohol	3.908	59	16224	49.785	ug/L #	76
24) Diisopropyl ether	4.191	45	230204	10.260	ug/L	97
25) 1,1-Dichloroethane	4.312	63	219275	10.821	ug/L	98
26) Halothane	4.364	117	65837	10.002	ug/L	98

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	23313	10.631	ug/L		93
28) Ethyl tert-butyl ether	4.542	59	180008	9.619	ug/L		90
29) Vinyl acetate	4.548	43	128126	8.770	ug/L	#	95
30) cis-1,2-Dichloroethene	4.836	96	116875	10.488	ug/L		87
31) 2,2-Dichloropropane	4.936	77	139705	10.382	ug/L		89
33) Bromochloromethane	5.025	128	53918	10.692	ug/L	#	69
34) Cyclohexane	5.041	56	139209	9.345	ug/L		89
35) Chloroform	5.098	83	201005	10.707	ug/L		94
36) Ethyl acetate	5.208	43	45110	9.076	ug/L	#	97
37) Carbon tetrachloride	5.240	117	104653	9.822	ug/L		99
38) Tetrahydrofuran	5.250	42	15193M6	9.691	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	137101	10.176	ug/L		95
42) 2-Butanone	5.381	43	18994	8.933	ug/L		94
43) 1,1-Dichloropropene	5.429	75	97112	8.818	ug/L		97
45) Benzene	5.670	78	331965	10.088	ug/L		97
46) tert-Amyl methyl ether	5.785	73	147144	9.929	ug/L		94
48) 1,2-Dichloroethane	5.869	62	120896	10.330	ug/L	#	97
51) Methyl cyclohexane	6.267	83	116952	9.953	ug/L		90
52) Trichloroethene	6.273	95	75526	9.359	ug/L		95
54) Dibromomethane	6.708	93	54924	10.407	ug/L		91
55) 1,2-Dichloropropane	6.813	63	79144	9.179	ug/L		98
57) 2-Chloroethyl vinyl ether	7.510	63	37918	10.599	ug/L		87
58) Bromodichloromethane	6.886	83	110406	9.363	ug/L	#	99
61) 1,4-Dioxane	7.091	88	21666	514.767	ug/L		94
62) cis-1,3-Dichloropropene	7.573	75	107449	9.191	ug/L	#	87
65) Toluene	7.846	92	224354	10.525	ug/L		99
66) 4-Methyl-2-pentanone	8.276	58	15592	9.712	ug/L	#	85
67) Tetrachloroethene	8.302	166	79227	10.220	ug/L		94
69) trans-1,3-Dichloropropene	8.328	75	90499	9.503	ug/L	#	84
71) Ethyl methacrylate	8.517	69	65650	10.146	ug/L	#	84
72) 1,1,2-Trichloroethane	8.511	83	46038	9.465	ug/L		98
73) Chlorodibromomethane	8.726	129	58852	8.711	ug/L		98
74) 1,3-Dichloropropane	8.837	76	100982	9.536	ug/L		100
75) 1,2-Dibromoethane	9.004	107	49516	9.755	ug/L		99
77) 2-Hexanone	9.287	43	28883	9.848	ug/L		98
78) Chlorobenzene	9.660	112	236750	10.386	ug/L		90
79) Ethylbenzene	9.696	91	448151	10.663	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.744	131	58277	9.451	ug/L		100
81) p/m Xylene	9.885	106	361841	21.530	ug/L		95
82) o Xylene	10.420	106	352173	21.702	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	585852	22.034	ug/L	95
85) Bromoform	10.509	173	33739	9.431	ug/L	98
87) Isopropylbenzene	10.803	105	428357	10.590	ug/L	98
89) Bromobenzene	11.233	156	101877	10.332	ug/L	99
90) n-Propylbenzene	11.275	91	546452	10.752	ug/L	97
91) 1,4-Dichlorobutane	11.285	55	91967	10.173	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	63375	9.846	ug/L	100
93) 4-Ethyltoluene	11.400	105	446930	10.616	ug/L	99
94) 2-Chlorotoluene	11.442	91	328722M1	10.665	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	387832	10.541	ug/L	98
96) 1,2,3-Trichloropropane	11.495	75	52680	9.966	ug/L	91
97) trans-1,4-Dichloro-2-b...	11.547	53	15568	9.721	ug/L	98
98) 4-Chlorotoluene	11.626	91	343270	10.536	ug/L	96
99) tert-Butylbenzene	11.841	119	312721	10.471	ug/L	94
102) 1,2,4-Trimethylbenzene	11.914	105	375186	10.496	ug/L	98
103) sec-Butylbenzene	12.030	105	465676	10.684	ug/L	95
104) p-Isopropyltoluene	12.182	119	398264	10.588	ug/L	97
105) 1,3-Dichlorobenzene	12.250	146	213972	10.391	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	217196	10.329	ug/L	99
107) p-Diethylbenzene	12.554	119	226504	10.237	ug/L	96
108) n-Butylbenzene	12.612	91	346494	10.571	ug/L	98
109) 1,2-Dichlorobenzene	12.758	146	201920	10.383	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.346	119	282861	9.054	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	11071	10.251	ug/L	99
112) 1,3,5-Trichlorobenzene	13.571	180	138078	9.654	ug/L	96
113) Hexachlorobutadiene	14.148	225	49821	10.224	ug/L	98
114) 1,2,4-Trichlorobenzene	14.169	180	125695	9.899	ug/L	99
115) Naphthalene	14.457	128	268637	10.210	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	119855	10.059	ug/L	98

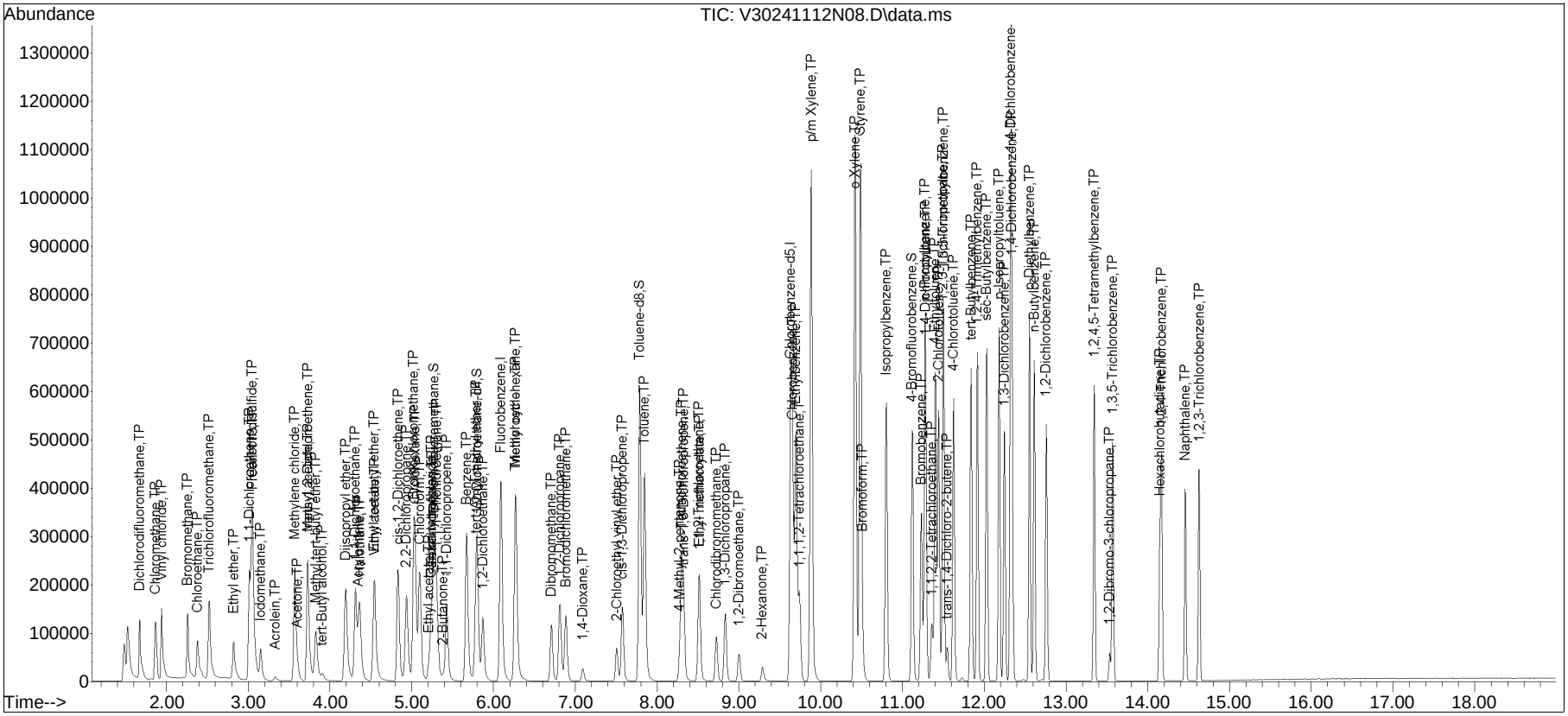
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

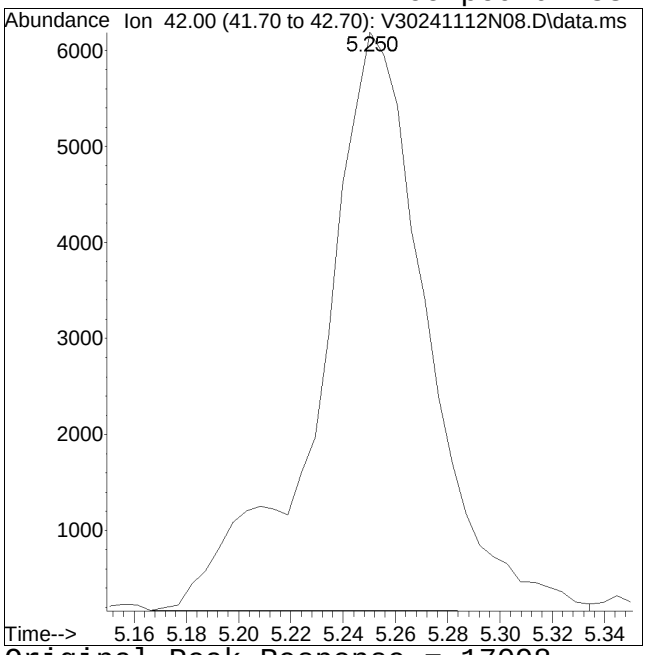
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



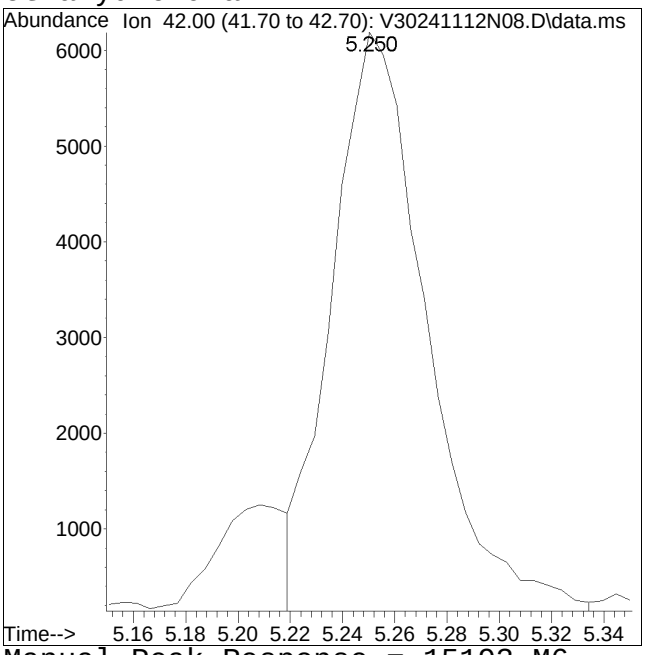
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N08.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:24 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 11/13/2024 12:29 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 17098



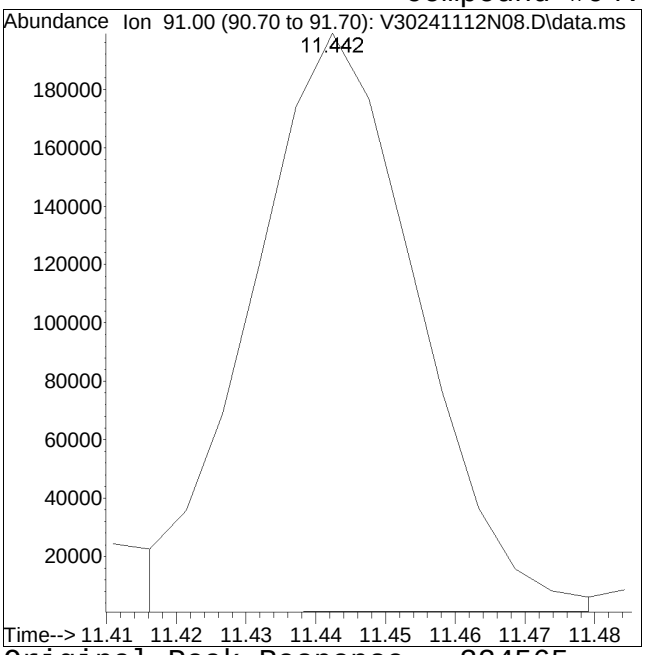
Manual Peak Response = 15193 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

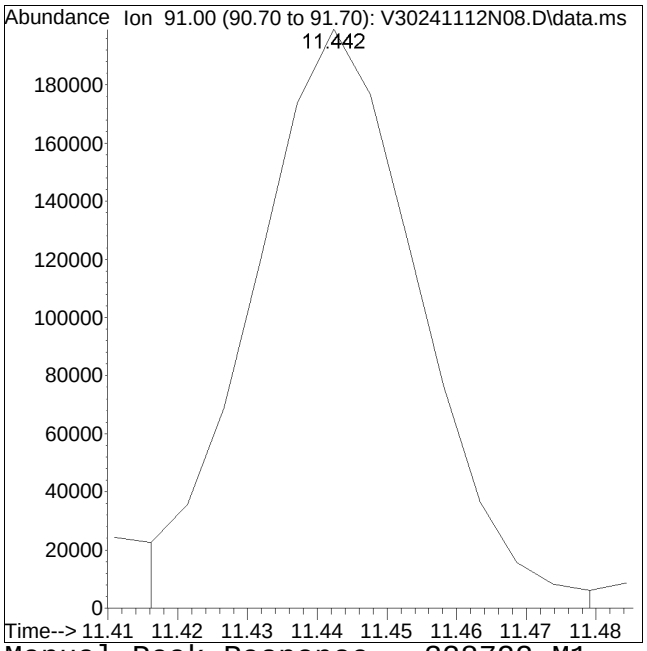
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N08.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:24 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 11/13/2024 12:29 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 324565



Manual Peak Response = 328722 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	494955	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 109.35%			
63) Chlorobenzene-d5	9.639	117	374992	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 104.64%			
84) 1,4-Dichlorobenzene-d4	12.323	152	226713	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 102.12%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	161047	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
47) 1,2-Dichloroethane-d4	5.801	65	170214	9.903	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.03%			
64) Toluene-d8	7.788	98	513154	10.217	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.17%			
88) 4-Bromofluorobenzene	11.117	95	196643	10.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	363637	31.222	ug/L	95
3) Chloromethane	1.868	50	420466	30.030	ug/L	97
4) Vinyl chloride	1.942	62	417069	30.038	ug/L	100
5) Bromomethane	2.262	94	220410	29.135	ug/L	98
6) Chloroethane	2.382	64	251707	29.630	ug/L	99
7) Trichlorofluoromethane	2.524	101	486564	31.395	ug/L	99
8) Ethyl ether	2.823	74	133367	33.136	ug/L	90
10) 1,1-Dichloroethene	3.017	96	309113	31.012	ug/L	81
11) Carbon disulfide	3.048	76	899158	30.000	ug/L	100
12) Freon-113	3.059	101	318586	33.815	ug/L	89
13) Iodomethane	3.153	142	255067	31.291	ug/L	97
14) Acrolein	3.331	56	28367	29.872	ug/L	98
15) Methylene chloride	3.572	84	362680	29.565	ug/L	85
17) Acetone	3.609	43	56587	23.492	ug/L #	89
18) trans-1,2-Dichloroethene	3.730	96	324727	30.398	ug/L	87
19) Methyl acetate	3.730	43	139683	27.509	ug/L #	86
21) Methyl tert-butyl ether	3.829	73	555790	32.428	ug/L	91
22) tert-Butyl alcohol	3.913	59	58489	164.136	ug/L #	81
24) Diisopropyl ether	4.191	45	806807	32.886	ug/L	95
25) 1,1-Dichloroethane	4.312	63	672948	30.369	ug/L	98
26) Halothane	4.364	117	243959	33.896	ug/L	98

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	74178	30.934	ug/L		92
28) Ethyl tert-butyl ether	4.542	59	656978	32.105	ug/L		93
29) Vinyl acetate	4.542	43	505124	31.619	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	366084	30.043	ug/L		86
31) 2,2-Dichloropropane	4.936	77	493504	33.540	ug/L		86
33) Bromochloromethane	5.025	128	165706	30.050	ug/L	#	69
34) Cyclohexane	5.040	56	575445	35.325	ug/L		90
35) Chloroform	5.098	83	618717	30.140	ug/L		95
36) Ethyl acetate	5.203	43	165709	30.488	ug/L	#	96
37) Carbon tetrachloride	5.240	117	418585	35.927	ug/L		99
38) Tetrahydrofuran	5.250	42	53287M6	31.085	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	506168	34.358	ug/L		94
42) 2-Butanone	5.386	43	72507	31.186	ug/L		98
43) 1,1-Dichloropropene	5.428	75	398305	33.074	ug/L		96
45) Benzene	5.670	78	1141388	31.721	ug/L		97
46) tert-Amyl methyl ether	5.785	73	532224	32.844	ug/L		96
48) 1,2-Dichloroethane	5.869	62	399522	31.219	ug/L	#	97
51) Methyl cyclohexane	6.267	83	429613	33.435	ug/L		89
52) Trichloroethene	6.273	95	287620	32.593	ug/L		95
54) Dibromomethane	6.708	93	176370	30.561	ug/L		91
55) 1,2-Dichloropropane	6.813	63	303600	32.200	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	138090	35.300	ug/L		85
58) Bromodichloromethane	6.886	83	428799	33.256	ug/L	#	98
61) 1,4-Dioxane	7.090	88	29195	634.350	ug/L		96
62) cis-1,3-Dichloropropene	7.573	75	423271	33.110	ug/L	#	84
65) Toluene	7.846	92	713975	32.009	ug/L		99
66) 4-Methyl-2-pentanone	8.275	58	56141	33.418	ug/L	#	83
67) Tetrachloroethene	8.302	166	264103	32.556	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	338709	33.990	ug/L	#	79
71) Ethyl methacrylate	8.517	69	225015	33.234	ug/L	#	83
72) 1,1,2-Trichloroethane	8.511	83	162394	31.906	ug/L		97
73) Chlorodibromomethane	8.726	129	225476	31.893	ug/L		99
74) 1,3-Dichloropropane	8.831	76	353083	31.862	ug/L		99
75) 1,2-Dibromoethane	8.999	107	170331	32.066	ug/L		100
77) 2-Hexanone	9.287	43	96780	31.535	ug/L		93
78) Chlorobenzene	9.660	112	745312	31.245	ug/L		91
79) Ethylbenzene	9.696	91	1400243	31.840	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.743	131	211857	32.832	ug/L		99
81) p/m Xylene	9.885	106	1125725	64.010	ug/L		93
82) o Xylene	10.420	106	1080012	63.600	ug/L		95

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	1813938	65.194	ug/L	95
85) Bromoform	10.509	173	121376	33.225	ug/L	97
87) Isopropylbenzene	10.803	105	1347439	32.620	ug/L	98
89) Bromobenzene	11.233	156	314838	31.269	ug/L	99
90) n-Propylbenzene	11.280	91	1703296	32.819	ug/L	96
91) 1,4-Dichlorobutane	11.285	55	297065	32.178	ug/L	97
92) 1,1,2,2-Tetrachloroethane	11.358	83	209480	31.870	ug/L	99
93) 4-Ethyltoluene	11.406	105	1400975	32.587	ug/L	98
94) 2-Chlorotoluene	11.442	91	999474M1	31.754	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	1238538	32.963	ug/L	97
96) 1,2,3-Trichloropropane	11.495	75	172644M1	31.984	ug/L	
97) trans-1,4-Dichloro-2-b...	11.547	53	52543	32.128	ug/L	97
98) 4-Chlorotoluene	11.626	91	1054293	31.689	ug/L	95
99) tert-Butylbenzene	11.841	119	987186	32.369	ug/L	94
102) 1,2,4-Trimethylbenzene	11.914	105	1223259	33.512	ug/L	97
103) sec-Butylbenzene	12.030	105	1463038	32.871	ug/L	95
104) p-Isopropyltoluene	12.182	119	1273717	33.161	ug/L	96
105) 1,3-Dichlorobenzene	12.250	146	661577	31.460	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	668037	31.110	ug/L	98
107) p-Diethylbenzene	12.554	119	745868	33.011	ug/L	97
108) n-Butylbenzene	12.611	91	1124830	33.606	ug/L	98
109) 1,2-Dichlorobenzene	12.764	146	629736	31.711	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.346	119	1038541	32.554	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	35428	32.124	ug/L	96
112) 1,3,5-Trichlorobenzene	13.571	180	474143	32.462	ug/L	96
113) Hexachlorobutadiene	14.148	225	158571	31.866	ug/L	99
114) 1,2,4-Trichlorobenzene	14.169	180	419633	32.362	ug/L	99
115) Naphthalene	14.457	128	884089	32.904	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	389608	32.021	ug/L	98

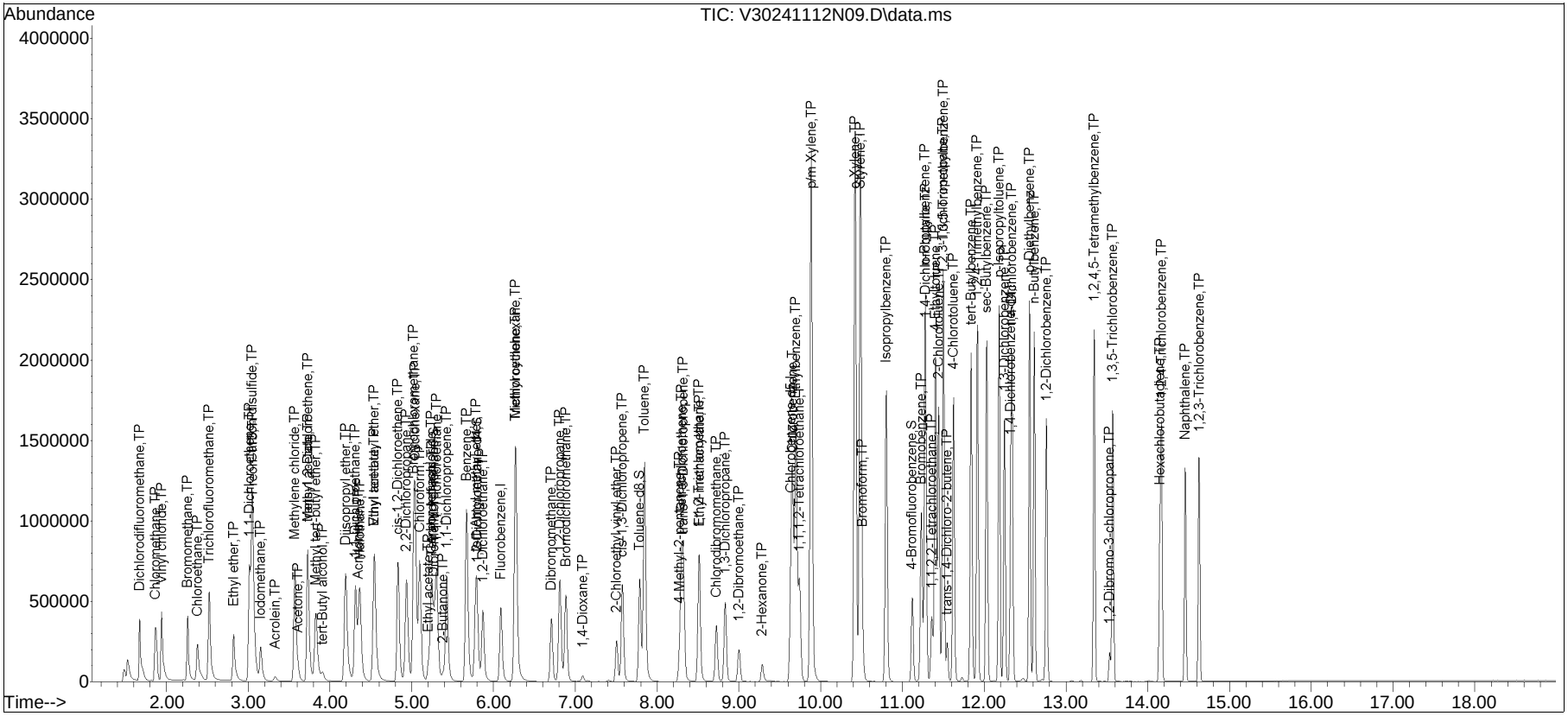
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

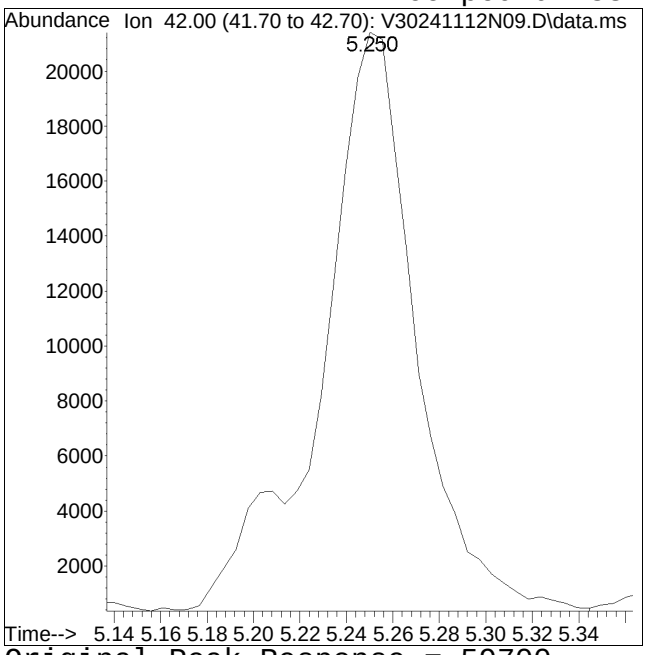
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



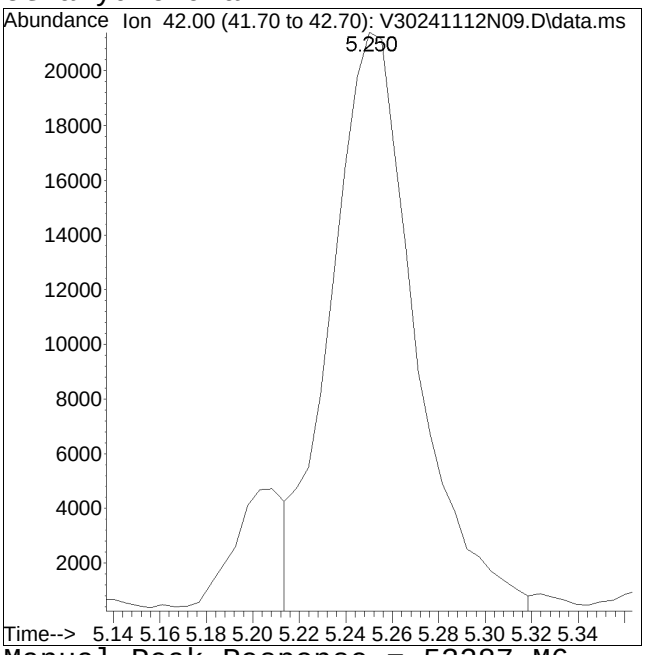
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N09.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:46 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 59700



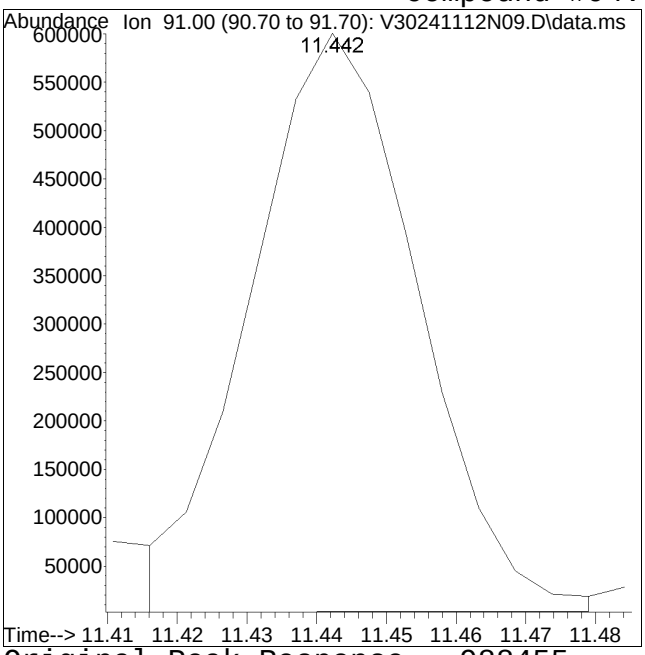
Manual Peak Response = 53287 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

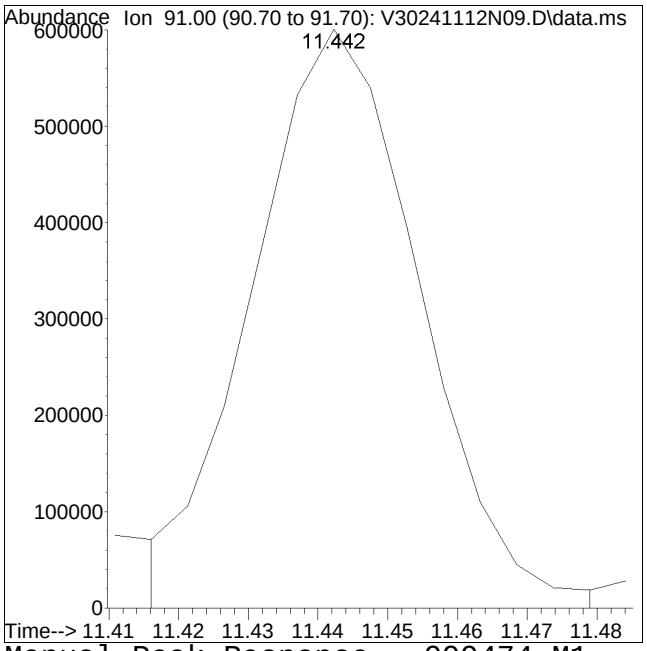
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N09.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:46 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 988455



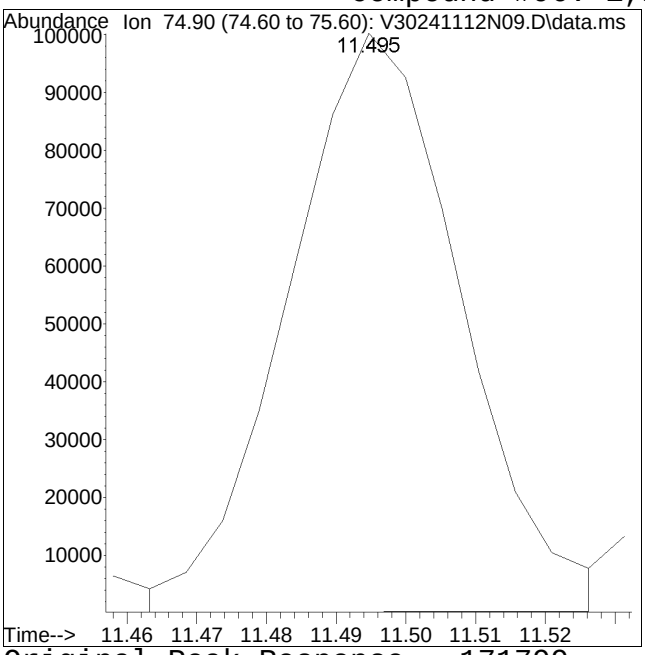
Manual Peak Response = 999474 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

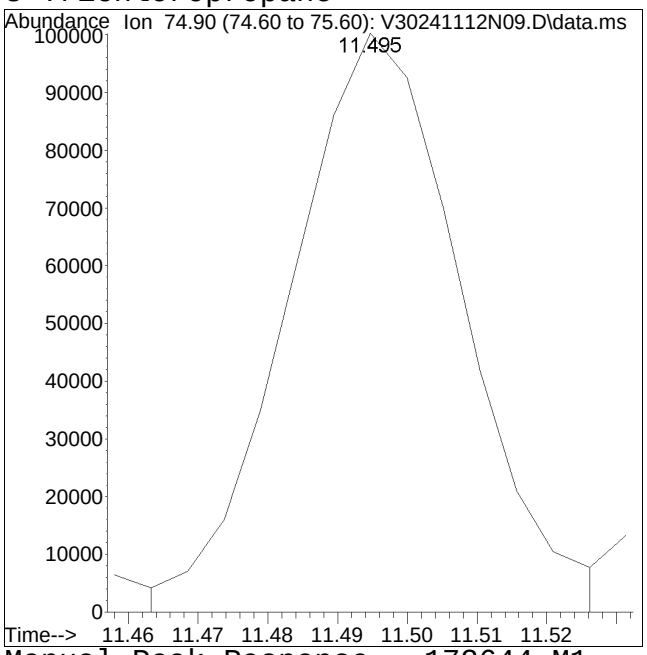
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N09.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:46 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 11/13/2024 12:30 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 171799



Manual Peak Response = 172644 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	534383	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 118.06%			
63) Chlorobenzene-d5	9.633	117	388503	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 108.41%			
84) 1,4-Dichlorobenzene-d4	12.323	152	239285	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 107.78%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	163220	8.902	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.02%			
47) 1,2-Dichloroethane-d4	5.801	65	169079	9.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.11%			
64) Toluene-d8	7.788	98	524559	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.81%			
88) 4-Bromofluorobenzene	11.117	95	197531	9.546	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	1048235	83.360	ug/L	96
3) Chloromethane	1.868	50	1204635	79.687	ug/L	98
4) Vinyl chloride	1.942	62	1202325	80.203	ug/L	100
5) Bromomethane	2.261	94	657933	80.552	ug/L	98
6) Chloroethane	2.382	64	727382	79.306	ug/L	99
7) Trichlorofluoromethane	2.524	101	1392267	83.205	ug/L	99
8) Ethyl ether	2.822	74	390422	89.845	ug/L	89
10) 1,1-Dichloroethene	3.017	96	896701	83.325	ug/L	80
11) Carbon disulfide	3.048	76	2601417	80.391	ug/L	100
12) Freon-113	3.058	101	916578	90.109	ug/L	89
13) Iodomethane	3.153	142	825999	93.855	ug/L	97
14) Acrolein	3.331	56	77549	75.639	ug/L	97
15) Methylene chloride	3.572	84	1028403	77.649	ug/L	85
17) Acetone	3.604	43	147597	56.754	ug/L #	88
18) trans-1,2-Dichloroethene	3.730	96	949496	82.326	ug/L	87
19) Methyl acetate	3.730	43	379892	69.294	ug/L #	86
21) Methyl tert-butyl ether	3.829	73	1832103	99.009	ug/L	91
22) tert-Butyl alcohol	3.908	59	173378	450.646	ug/L #	86
24) Diisopropyl ether	4.191	45	2447178	92.389	ug/L	94
25) 1,1-Dichloroethane	4.312	63	1926476	80.525	ug/L	98
26) Halothane	4.364	117	725276	93.335	ug/L	97

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	192188	74.233	ug/L	#	91
28) Ethyl tert-butyl ether	4.542	59	2096899	94.910	ug/L		93
29) Vinyl acetate	4.542	43	1604403	93.019	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	1064634	80.924	ug/L		86
31) 2,2-Dichloropropane	4.935	77	1453360	91.487	ug/L		85
33) Bromochloromethane	5.025	128	465035	78.109	ug/L	#	68
34) Cyclohexane	5.040	56	1768428	100.551	ug/L		90
35) Chloroform	5.098	83	1769898	79.858	ug/L		94
36) Ethyl acetate	5.203	43	498727	84.989	ug/L	#	97
37) Carbon tetrachloride	5.240	117	1308099	103.990	ug/L		98
38) Tetrahydrofuran	5.250	42	150694M6	81.422	ug/L		
40) 1,1,1-Trichloroethane	5.302	97	1509259	94.888	ug/L		93
42) 2-Butanone	5.386	43	218502	87.045	ug/L		97
43) 1,1-Dichloropropene	5.428	75	1327265	102.081	ug/L		96
45) Benzene	5.670	78	3556034	91.536	ug/L		97
46) tert-Amyl methyl ether	5.785	73	1582493	90.452	ug/L		98
48) 1,2-Dichloroethane	5.869	62	1135965	82.217	ug/L	#	97
51) Methyl cyclohexane	6.267	83	1338677	96.496	ug/L		88
52) Trichloroethene	6.272	95	948214	99.523	ug/L		94
54) Dibromomethane	6.708	93	499113	80.104	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	996343	97.875	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	376828	89.223	ug/L	#	85
58) Bromodichloromethane	6.886	83	1325106	95.188	ug/L	#	99
61) 1,4-Dioxane	7.090	88	40176	808.537	ug/L		96
62) cis-1,3-Dichloropropene	7.578	75	1411723	102.284	ug/L	#	84
65) Toluene	7.845	92	2062726	89.261	ug/L		97
66) 4-Methyl-2-pentanone	8.275	58	155950	89.601	ug/L	#	80
67) Tetrachloroethene	8.302	166	774608	92.164	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	1086405	105.231	ug/L	#	77
71) Ethyl methacrylate	8.517	69	620888	88.513	ug/L	#	76
72) 1,1,2-Trichloroethane	8.511	83	496444	94.146	ug/L		97
73) Chlorodibromomethane	8.726	129	732398	99.993	ug/L		98
74) 1,3-Dichloropropane	8.831	76	1078033	93.897	ug/L		100
75) 1,2-Dibromoethane	8.999	107	508167	92.340	ug/L		99
77) 2-Hexanone	9.282	43	262939	82.697	ug/L		93
78) Chlorobenzene	9.654	112	2148247	86.928	ug/L		91
79) Ethylbenzene	9.696	91	3993920	87.658	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.738	131	658756	98.537	ug/L		99
81) p/m Xylene	9.885	106	3213553	176.372	ug/L		91
82) o Xylene	10.420	106	3086921	175.460	ug/L		92

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	5103183	177.034	ug/L	95
85) Bromoform	10.509	173	362103	93.911	ug/L	97
87) Isopropylbenzene	10.803	105	3887368	89.164	ug/L	97
89) Bromobenzene	11.232	156	909252	85.559	ug/L	99
90) n-Propylbenzene	11.280	91	4842718	88.407	ug/L	95
91) 1,4-Dichlorobutane	11.285	55	806560	82.777	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	589798	85.018	ug/L	99
93) 4-Ethyltoluene	11.405	105	4062966	89.539	ug/L	97
94) 2-Chlorotoluene	11.442	91	2864072M1	86.214	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	3652163	92.094	ug/L	96
96) 1,2,3-Trichloropropane	11.495	75	472328M1	82.906	ug/L	
97) trans-1,4-Dichloro-2-b...	11.547	53	147735	85.587	ug/L	92
98) 4-Chlorotoluene	11.626	91	3072103	87.486	ug/L	94
99) tert-Butylbenzene	11.841	119	2880033	89.473	ug/L	94
102) 1,2,4-Trimethylbenzene	11.914	105	3639491	94.469	ug/L	96
103) sec-Butylbenzene	12.029	105	4212609	89.674	ug/L	93
104) p-Isopropyltoluene	12.181	119	3775618	93.134	ug/L	96
105) 1,3-Dichlorobenzene	12.250	146	1945423	87.652	ug/L	97
106) 1,4-Dichlorobenzene	12.339	146	1970026	86.921	ug/L	97
107) p-Diethylbenzene	12.554	119	2294614	96.221	ug/L	96
108) n-Butylbenzene	12.611	91	3343099	94.633	ug/L	97
109) 1,2-Dichlorobenzene	12.763	146	1823346	86.994	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.345	119	3395520	100.845	ug/L	95
111) 1,2-Dibromo-3-chloropr...	13.534	155	96180	82.629	ug/L	97
112) 1,3,5-Trichlorobenzene	13.571	180	1474889	95.672	ug/L	95
113) Hexachlorobutadiene	14.148	225	478597	91.124	ug/L	99
114) 1,2,4-Trichlorobenzene	14.169	180	1267301	92.600	ug/L	98
115) Naphthalene	14.457	128	2474607	87.260	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	1122480	87.408	ug/L	98

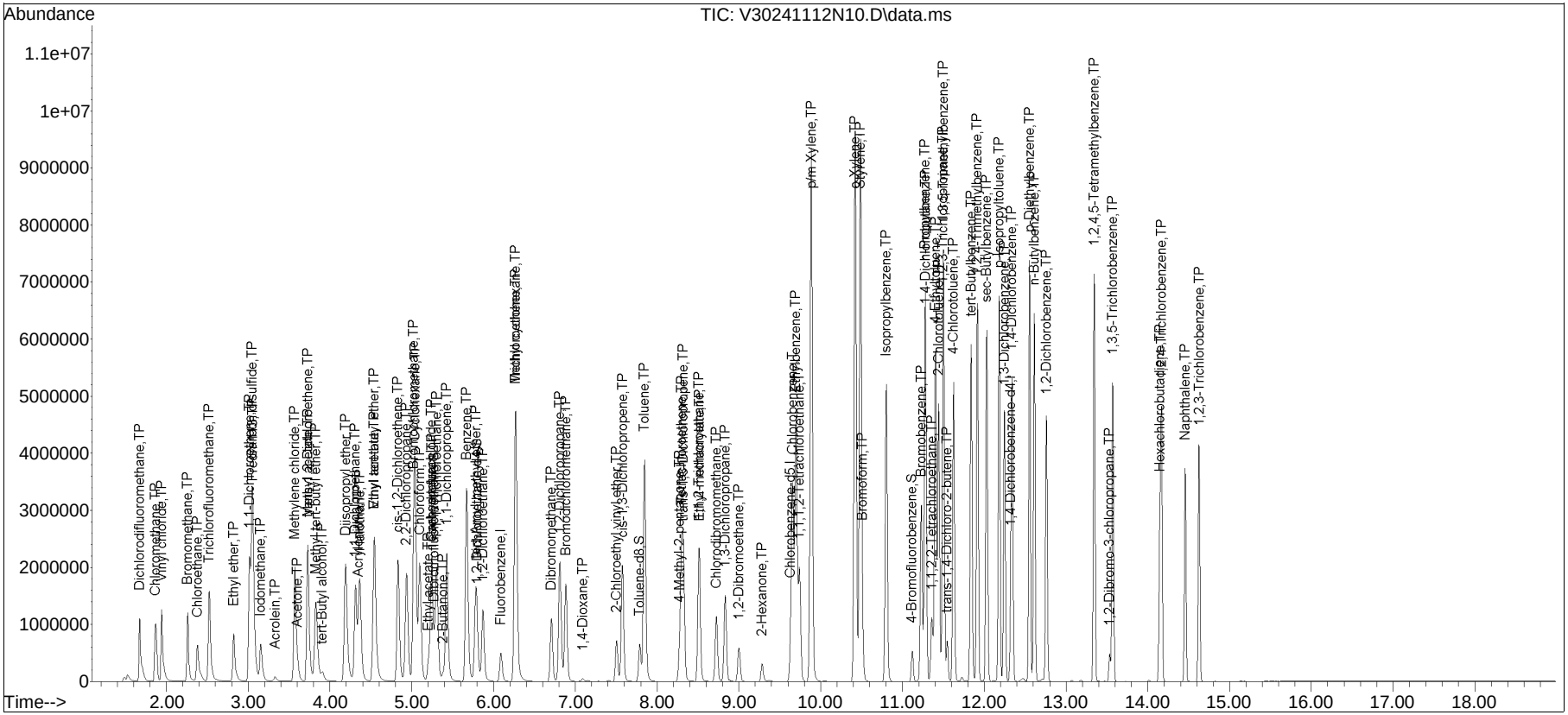
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

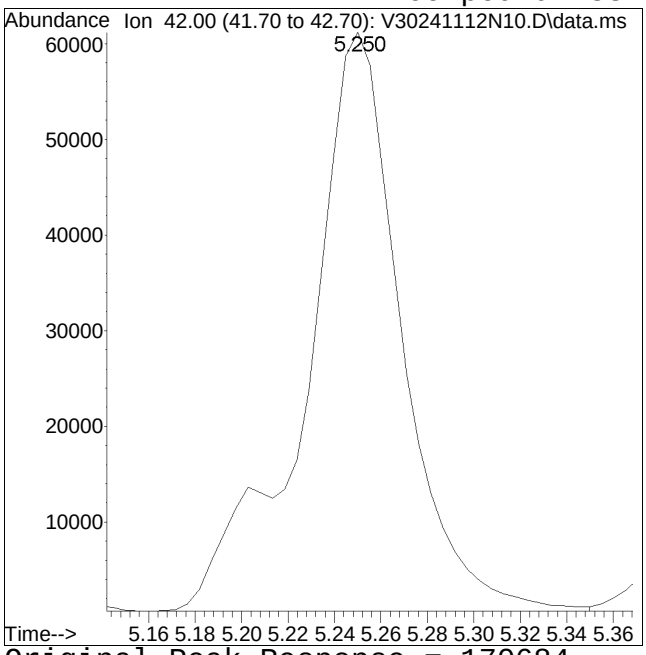
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



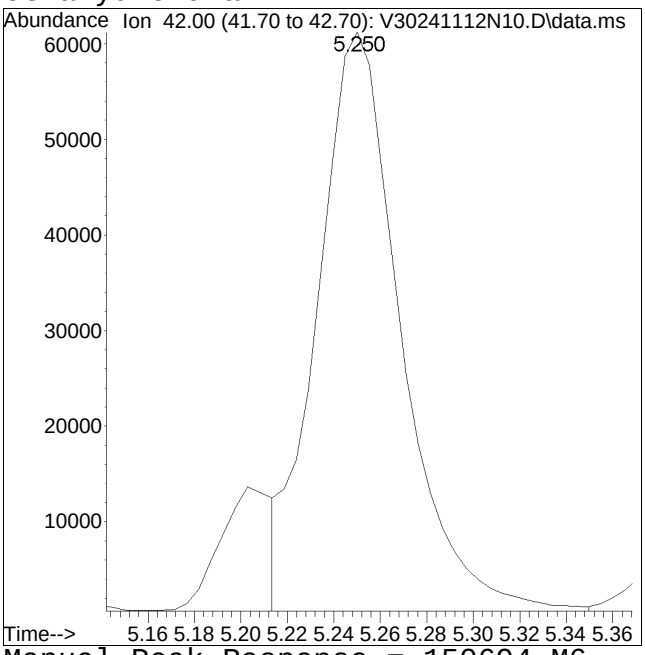
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N10.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:08 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 170684



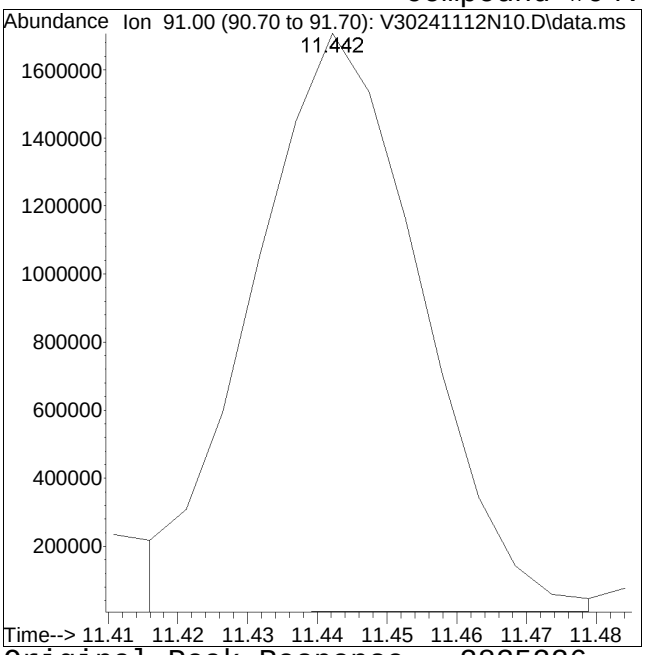
Manual Peak Response = 150694 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

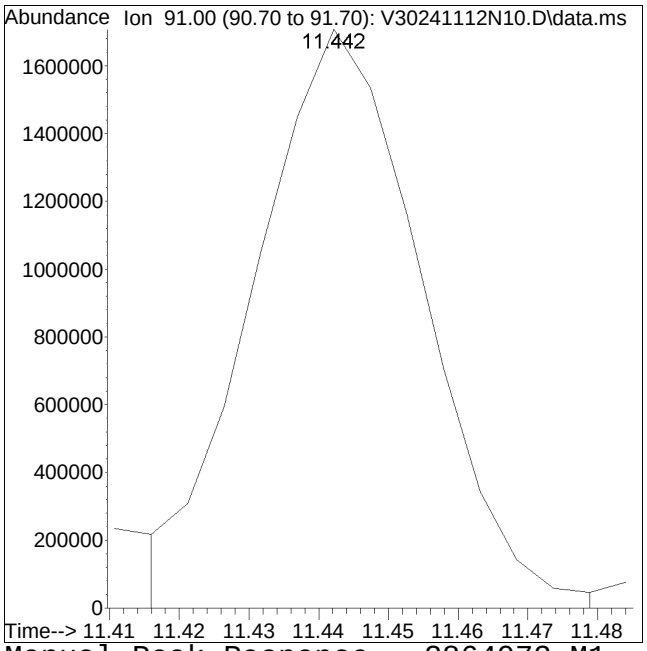
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N10.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:08 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 2835226



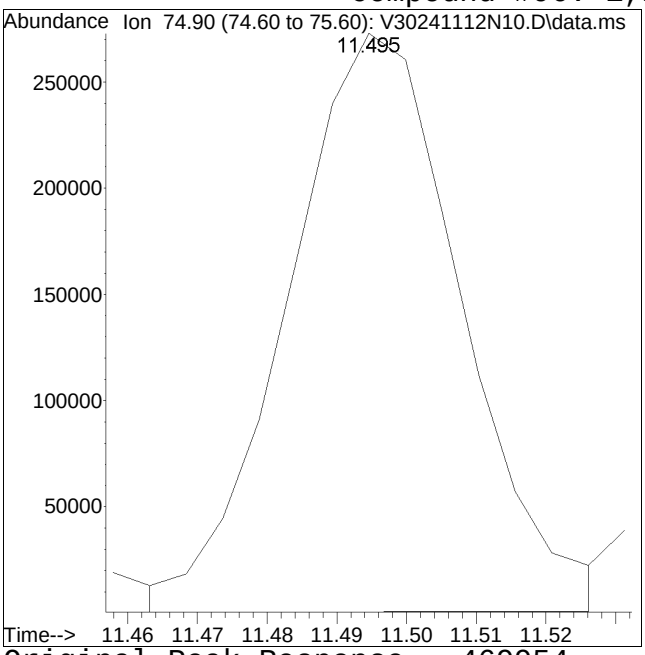
Manual Peak Response = 2864072 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

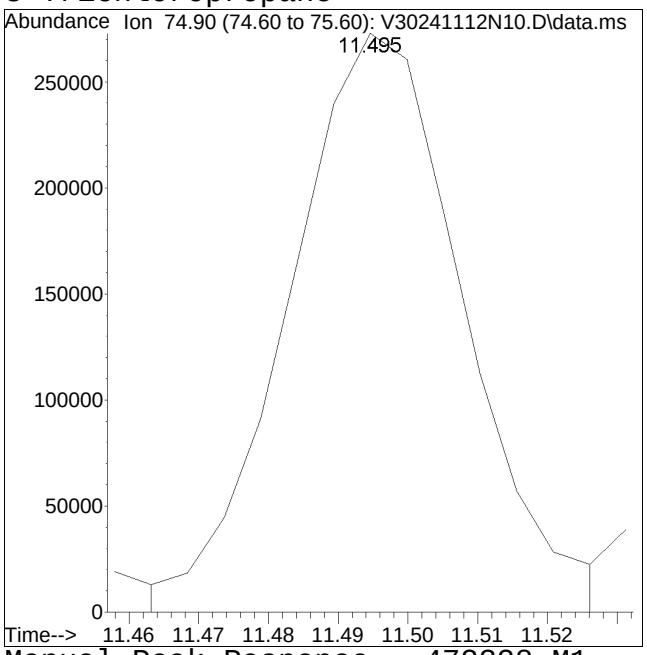
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N10.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:08 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 11/13/2024 12:30 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 469954



Manual Peak Response = 472328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	553324	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 122.24%			
63) Chlorobenzene-d5	9.639	117	396659	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 110.69%			
84) 1,4-Dichlorobenzene-d4	12.323	152	245229	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 110.46%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	167796	8.838	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.38%			
47) 1,2-Dichloroethane-d4	5.801	65	178569	9.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.93%			
64) Toluene-d8	7.788	98	534649	10.063	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.63%			
88) 4-Bromofluorobenzene	11.117	95	202492	9.548	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	1446009	111.056	ug/L	96
3) Chloromethane	1.868	50	1709961	109.242	ug/L	98
4) Vinyl chloride	1.942	62	1693474	109.100	ug/L	100
5) Bromomethane	2.256	94	931994	110.200	ug/L	98
6) Chloroethane	2.377	64	1032176	108.686	ug/L	99
7) Trichlorofluoromethane	2.524	101	1925283	111.121	ug/L	98
8) Ethyl ether	2.823	74	576108	128.038	ug/L	88
10) 1,1-Dichloroethene	3.017	96	1275346	114.453	ug/L	80
11) Carbon disulfide	3.048	76	3725661	111.192	ug/L	99
12) Freon-113	3.059	101	1278926	121.427	ug/L	88
13) Iodomethane	3.153	142	1231379	135.127	ug/L	97
14) Acrolein	3.331	56	118565	111.686	ug/L	97
15) Methylene chloride	3.572	84	1497848	109.223	ug/L	85
17) Acetone	3.604	43	223440	82.976	ug/L #	90
18) trans-1,2-Dichloroethene	3.730	96	1372524	114.931	ug/L	87
19) Methyl acetate	3.730	43	580330	102.232	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	2817428	147.045	ug/L	91
22) tert-Butyl alcohol	3.908	59	261742	657.035	ug/L #	86
24) Diisopropyl ether	4.191	45	3627586	132.265	ug/L	94
25) 1,1-Dichloroethane	4.312	63	2769650	111.805	ug/L	97
26) Halothane	4.364	117	1041174	129.401	ug/L	97

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.343	53	289648	108.047	ug/L	#	92
28) Ethyl tert-butyl ether	4.542	59	3235205	141.419	ug/L		93
29) Vinyl acetate	4.542	43	2455953	137.515	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	1551733	113.912	ug/L		86
31) 2,2-Dichloropropane	4.936	77	2055380	124.954	ug/L		84
33) Bromochloromethane	5.025	128	682631	110.732	ug/L	#	67
34) Cyclohexane	5.040	56	2478812	136.117	ug/L		89
35) Chloroform	5.098	83	2559112	111.515	ug/L		94
36) Ethyl acetate	5.203	43	765940	126.058	ug/L	#	96
37) Carbon tetrachloride	5.240	117	1884211	144.662	ug/L		98
38) Tetrahydrofuran	5.250	42	229712M6	119.869	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	2153451	130.755	ug/L		93
42) 2-Butanone	5.381	43	329776	126.877	ug/L		98
43) 1,1-Dichloropropene	5.428	75	1916618	142.363	ug/L		95
45) Benzene	5.670	78	5239668	130.258	ug/L		97
46) tert-Amyl methyl ether	5.785	73	2423097	133.758	ug/L		97
48) 1,2-Dichloroethane	5.869	62	1679391	117.388	ug/L	#	98
51) Methyl cyclohexane	6.267	83	1923776	133.925	ug/L		88
52) Trichloroethene	6.273	95	1397426	141.650	ug/L		94
54) Dibromomethane	6.708	93	752618	116.655	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	1482431	140.641	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	574375	131.341	ug/L	#	84
58) Bromodichloromethane	6.886	83	1957308	135.789	ug/L	#	98
61) 1,4-Dioxane	7.091	88	55773	1084.003	ug/L	#	95
62) cis-1,3-Dichloropropene	7.573	75	2137502	149.568	ug/L	#	84
65) Toluene	7.846	92	2954399	125.218	ug/L		97
66) 4-Methyl-2-pentanone	8.275	58	234988	132.236	ug/L	#	78
67) Tetrachloroethene	8.302	166	1110433	129.404	ug/L		93
69) trans-1,3-Dichloropropene	8.323	75	1660643	157.545	ug/L	#	77
71) Ethyl methacrylate	8.517	69	919577	128.398	ug/L	#	73
72) 1,1,2-Trichloroethane	8.511	83	759401	141.052	ug/L		97
73) Chlorodibromomethane	8.726	129	1135451	151.834	ug/L		98
74) 1,3-Dichloropropane	8.831	76	1639676	139.880	ug/L		100
75) 1,2-Dibromoethane	8.999	107	786495	139.977	ug/L		99
77) 2-Hexanone	9.282	43	391830	120.701	ug/L		91
78) Chlorobenzene	9.654	112	3126867	123.926	ug/L		92
79) Ethylbenzene	9.696	91	5677771	122.053	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.744	131	991169	145.212	ug/L		99
81) p/m Xylene	9.885	106	4572389	245.790	ug/L		89
82) o Xylene	10.425	106	4429608	246.602	ug/L		88

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.488	104	7283818	247.486	ug/L		96
85) Bromoform	10.509	173	561869	142.189	ug/L		98
87) Isopropylbenzene	10.803	105	5512682	123.379	ug/L		96
89) Bromobenzene	11.233	156	1332830	122.377	ug/L		100
90) n-Propylbenzene	11.280	91	6830368	121.671	ug/L		94
91) 1,4-Dichlorobutane	11.285	55	1199656	120.136	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.358	83	891449	125.385	ug/L		99
93) 4-Ethyltoluene	11.406	105	5781295	124.319	ug/L		96
94) 2-Chlorotoluene	11.442	91	4125972M1	121.189	ug/L		
95) 1,3,5-Trimethylbenzene	11.500	105	5180389	127.465	ug/L		95
96) 1,2,3-Trichloropropane	11.495	75	707845M1	121.234	ug/L		
97) trans-1,4-Dichloro-2-b...	11.547	53	224807	127.080	ug/L		89
98) 4-Chlorotoluene	11.626	91	4406050	122.432	ug/L		93
99) tert-Butylbenzene	11.841	119	4114290	124.718	ug/L		94
102) 1,2,4-Trimethylbenzene	11.919	105	5212644	132.023	ug/L		95
103) sec-Butylbenzene	12.030	105	5946547	123.517	ug/L		92
104) p-Isopropyltoluene	12.182	119	5341465	128.565	ug/L		96
105) 1,3-Dichlorobenzene	12.250	146	2825985	124.239	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	2861664	123.202	ug/L		97
107) p-Diethylbenzene	12.554	119	3296798	134.895	ug/L		96
108) n-Butylbenzene	12.612	91	4724501	130.495	ug/L	#	96
109) 1,2-Dichlorobenzene	12.764	146	2654410	123.575	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.346	119	4971785	144.080	ug/L		94
111) 1,2-Dibromo-3-chloropr...	13.534	155	145563	122.023	ug/L		97
112) 1,3,5-Trichlorobenzene	13.571	180	2156724	136.510	ug/L		95
113) Hexachlorobutadiene	14.148	225	692495	128.654	ug/L		99
114) 1,2,4-Trichlorobenzene	14.169	180	1873355	133.566	ug/L		98
115) Naphthalene	14.457	128	3648324	125.529	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	1656797	125.889	ug/L		98

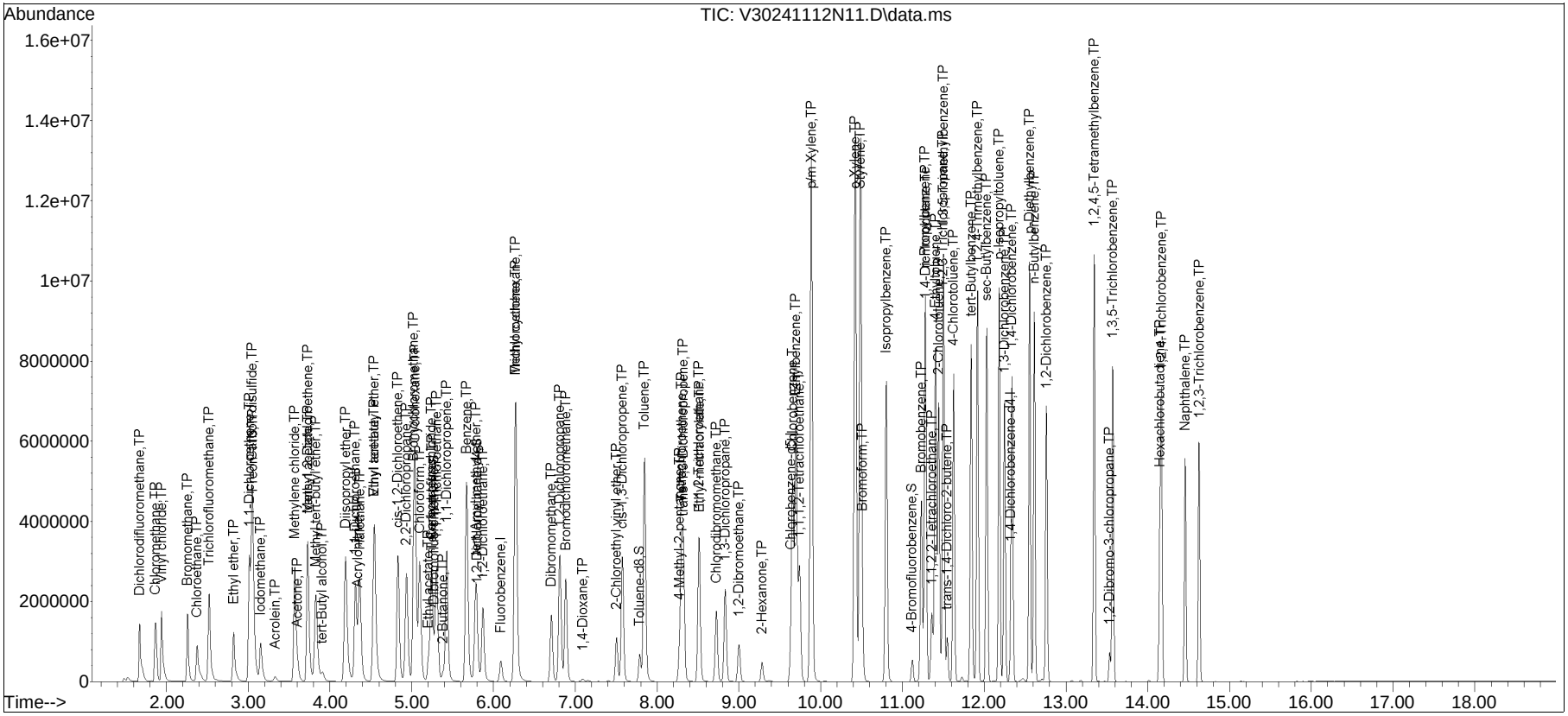
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

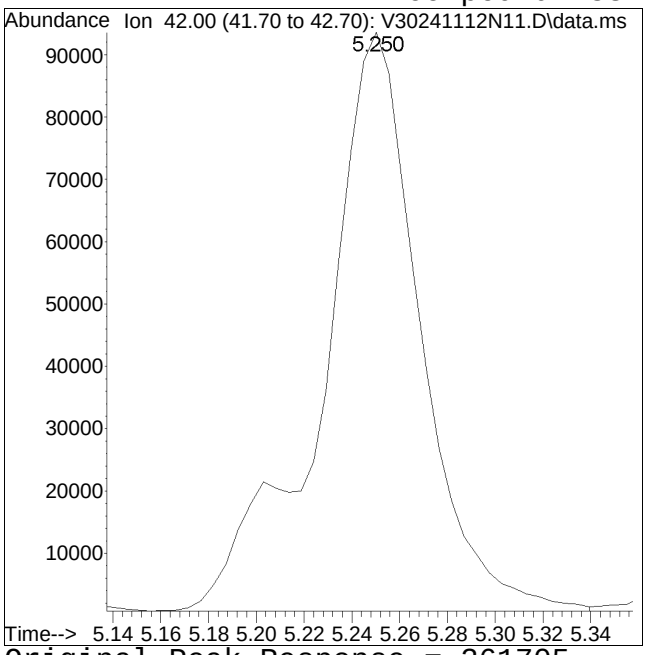
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



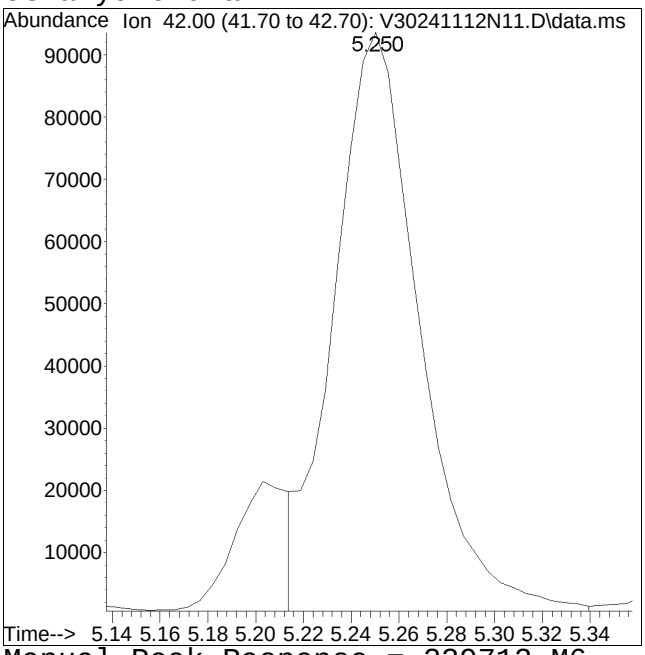
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N11.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:30 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 261705



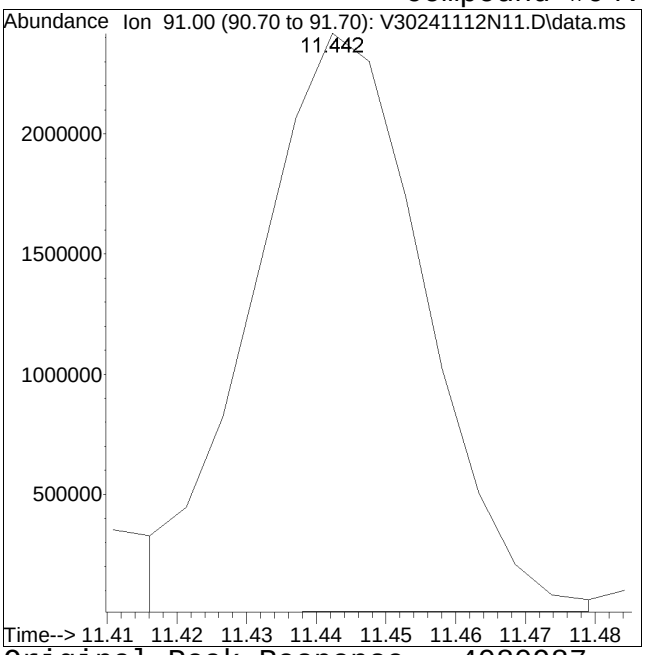
Manual Peak Response = 229712 M6

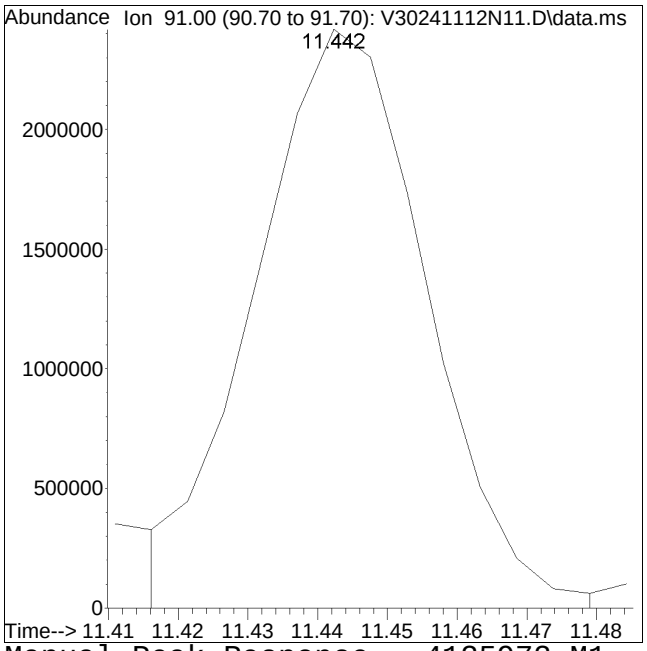
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N11.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:30 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene



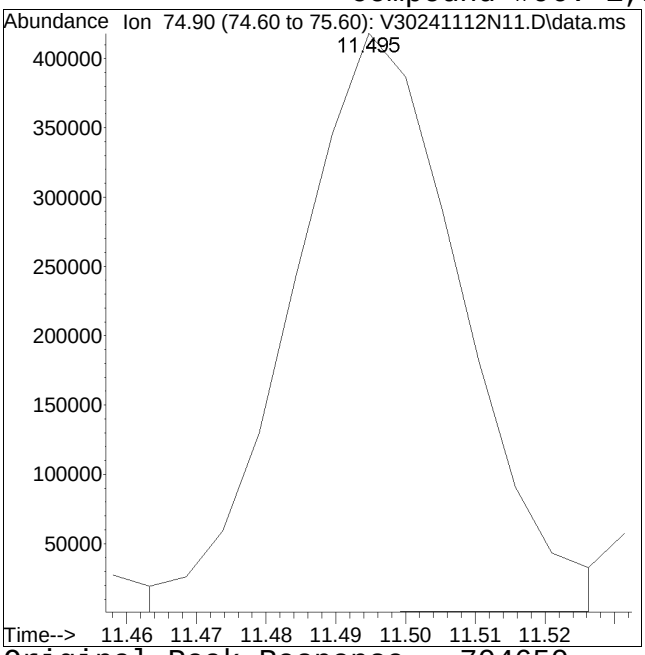


Original Peak Response = 4080987 Manual Peak Response = 4125972 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

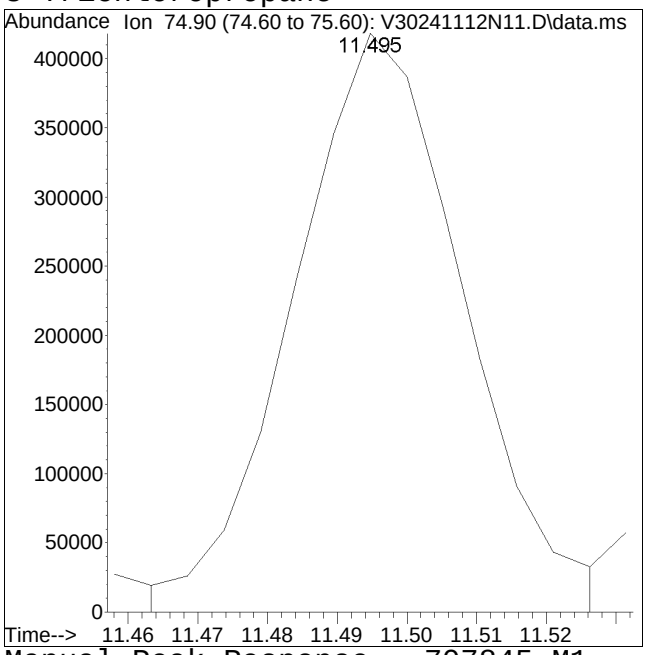
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N11.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:30 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 11/13/2024 12:30 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 704650



Manual Peak Response = 707845 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	574120	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 126.84%			
63) Chlorobenzene-d5	9.633	117	408717	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 114.05%			
84) 1,4-Dichlorobenzene-d4	12.328	152	251468	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 113.27%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	173038	8.784	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.84%			
47) 1,2-Dichloroethane-d4	5.801	65	189066	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
64) Toluene-d8	7.788	98	536265	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%			
88) 4-Bromofluorobenzene	11.117	95	209828	9.649	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	2202291	163.014	ug/L	96
3) Chloromethane	1.863	50	2555221	157.329	ug/L	97
4) Vinyl chloride	1.942	62	2593578	161.035	ug/L	100
5) Bromomethane	2.256	94	1431255	163.103	ug/L	98
6) Chloroethane	2.372	64	1538218	156.104	ug/L	99
7) Trichlorofluoromethane	2.518	101	2932951	163.148	ug/L	98
8) Ethyl ether	2.823	74	912017	195.350	ug/L	88
10) 1,1-Dichloroethene	3.017	96	1949246	168.594	ug/L	79
11) Carbon disulfide	3.048	76	5647827	162.454	ug/L	99
12) Freon-113	3.058	101	1944029	177.890	ug/L	88
13) Iodomethane	3.153	142	1876601	198.472	ug/L	98
14) Acrolein	3.331	56	203323	184.590	ug/L	98
15) Methylene chloride	3.572	84	2272176	159.685	ug/L	84
17) Acetone	3.604	43	373211	133.574	ug/L #	88
18) trans-1,2-Dichloroethene	3.730	96	2082615	168.075	ug/L	86
19) Methyl acetate	3.730	43	984667	167.177	ug/L #	88
21) Methyl tert-butyl ether	3.829	73	4626720	232.728	ug/L	91
22) tert-Butyl alcohol	3.913	59	450119	1088.978	ug/L #	85
24) Diisopropyl ether	4.191	45	5626174	197.704	ug/L	94
25) 1,1-Dichloroethane	4.312	63	4104358	159.683	ug/L	97
26) Halothane	4.364	117	1590271	190.485	ug/L	98

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.343	53	491986	176.878	ug/L		93
28) Ethyl tert-butyl ether	4.542	59	5281663	222.512	ug/L		93
29) Vinyl acetate	4.542	43	4043561	218.209	ug/L	#	92
30) cis-1,2-Dichloroethene	4.831	96	2347846	166.111	ug/L		86
31) 2,2-Dichloropropane	4.936	77	3102023	181.752	ug/L		84
33) Bromochloromethane	5.025	128	1061676	165.980	ug/L	#	66
34) Cyclohexane	5.040	56	3814434	201.872	ug/L		89
35) Chloroform	5.098	83	3822851	160.549	ug/L		94
36) Ethyl acetate	5.203	43	1315710	208.695	ug/L	#	97
37) Carbon tetrachloride	5.240	117	2902457	214.767	ug/L		97
38) Tetrahydrofuran	5.250	42	393647M6	197.973	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	3268273	191.257	ug/L		93
42) 2-Butanone	5.381	43	568861	210.934	ug/L		98
43) 1,1-Dichloropropene	5.428	75	2961484	212.006	ug/L		95
45) Benzene	5.670	78	7984381	191.301	ug/L		97
46) tert-Amyl methyl ether	5.785	73	3971835	211.309	ug/L		96
48) 1,2-Dichloroethane	5.869	62	2622036	176.639	ug/L	#	97
51) Methyl cyclohexane	6.267	83	3034656	203.608	ug/L		88
52) Trichloroethene	6.273	95	2158124	210.835	ug/L		94
54) Dibromomethane	6.708	93	1200566	179.347	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	2286639	209.079	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	949285	209.208	ug/L	#	84
58) Bromodichloromethane	6.886	83	3022786	202.110	ug/L	#	98
61) 1,4-Dioxane	7.090	88	92453	1731.826	ug/L	#	93
62) cis-1,3-Dichloropropene	7.578	75	3373439	227.500	ug/L	#	84
65) Toluene	7.845	92	4381978	180.244	ug/L		95
66) 4-Methyl-2-pentanone	8.275	58	378749	206.848	ug/L	#	78
67) Tetrachloroethene	8.302	166	1685905	190.671	ug/L		93
69) trans-1,3-Dichloropropene	8.323	75	2677088	246.482	ug/L	#	77
71) Ethyl methacrylate	8.517	69	1456356	197.348	ug/L	#	71
72) 1,1,2-Trichloroethane	8.511	83	1248418	225.041	ug/L		97
73) Chlorodibromomethane	8.726	129	1865303	242.072	ug/L		98
74) 1,3-Dichloropropane	8.831	76	2670406	221.090	ug/L		100
75) 1,2-Dibromoethane	8.999	107	1309363	226.160	ug/L		100
77) 2-Hexanone	9.282	43	644908	192.799	ug/L		92
78) Chlorobenzene	9.654	112	4686534	180.260	ug/L		91
79) Ethylbenzene	9.696	91	8401921	175.284	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.743	131	1576787	224.192	ug/L		99
81) p/m Xylene	9.885	106	6788845	354.170	ug/L		85
82) o Xylene	10.425	106	6498988	351.132	ug/L		85

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.488	104	10533920	347.358	ug/L		98
85) Bromoform	10.509	173	958442	236.529	ug/L		98
87) Isopropylbenzene	10.803	105	8269196	180.481	ug/L		95
89) Bromobenzene	11.233	156	2056552	184.142	ug/L		99
90) n-Propylbenzene	11.280	91	10044526	174.486	ug/L		92
91) 1,4-Dichlorobutane	11.285	55	1939920	189.447	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.358	83	1487526	204.034	ug/L		99
93) 4-Ethyltoluene	11.406	105	8611012	180.575	ug/L		95
94) 2-Chlorotoluene	11.442	91	6134765M1	175.721	ug/L		
95) 1,3,5-Trimethylbenzene	11.505	105	7683976	184.375	ug/L		93
96) 1,2,3-Trichloropropane	11.495	75	1177169	196.614	ug/L		88
97) trans-1,4-Dichloro-2-b...	11.547	53	386949	213.309	ug/L		87
98) 4-Chlorotoluene	11.626	91	6557606	177.697	ug/L		92
99) tert-Butylbenzene	11.841	119	6201111	183.314	ug/L		94
102) 1,2,4-Trimethylbenzene	11.919	105	7648437	188.909	ug/L		93
103) sec-Butylbenzene	12.029	105	8882230	179.917	ug/L		90
104) p-Isopropyltoluene	12.187	119	7915878	185.802	ug/L		96
105) 1,3-Dichlorobenzene	12.250	146	4253073	182.340	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	4322457	181.475	ug/L		97
107) p-Diethylbenzene	12.554	119	4945163	197.321	ug/L		96
108) n-Butylbenzene	12.611	91	6997675	188.487	ug/L	#	94
109) 1,2-Dichlorobenzene	12.763	146	4044981	183.640	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.345	119	7446720	210.449	ug/L		93
111) 1,2-Dibromo-3-chloropr...	13.534	155	245027	200.306	ug/L		96
112) 1,3,5-Trichlorobenzene	13.576	180	3267410	201.680	ug/L		96
113) Hexachlorobutadiene	14.148	225	1072875	194.377	ug/L		100
114) 1,2,4-Trichlorobenzene	14.169	180	2905201	201.995	ug/L		99
115) Naphthalene	14.457	128	5844508	196.105	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	2617423	193.946	ug/L		98

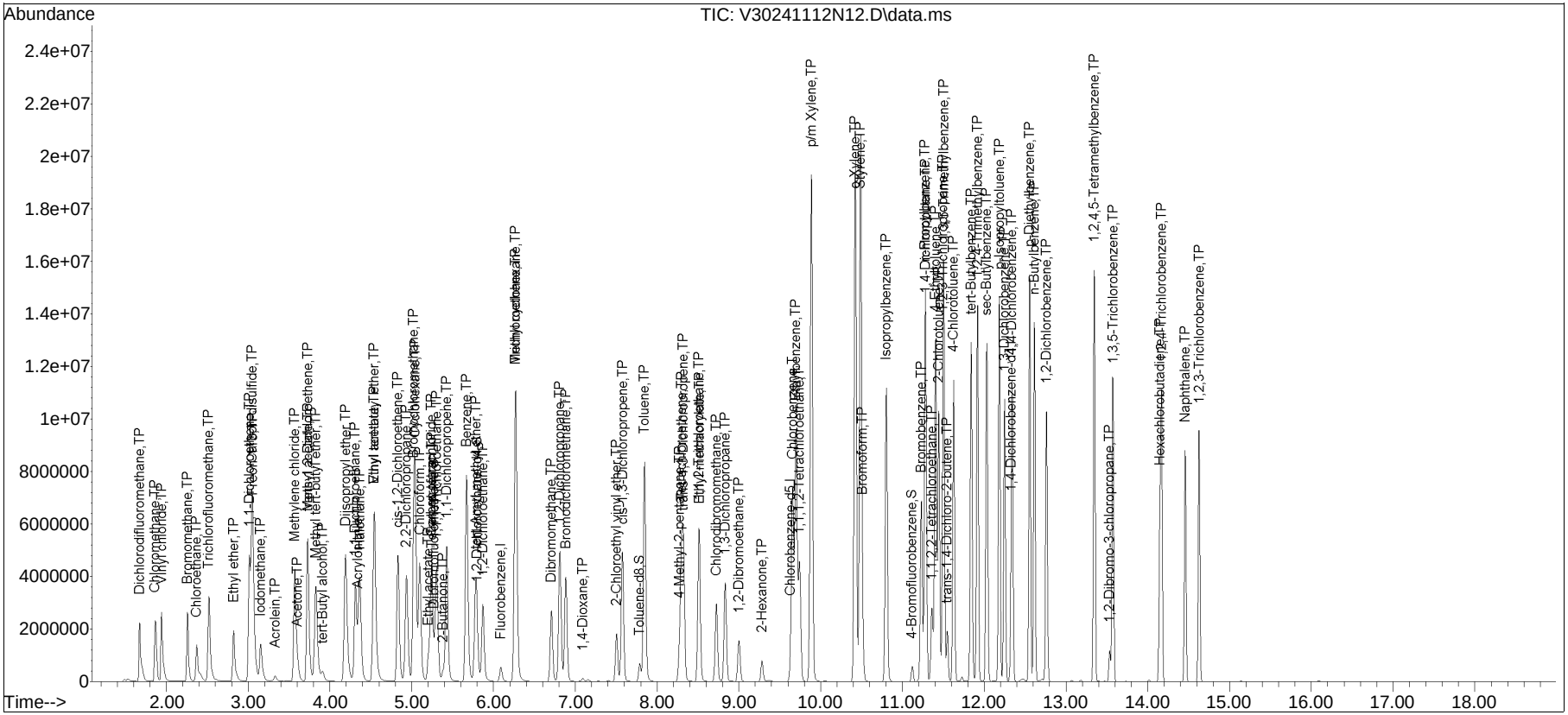
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

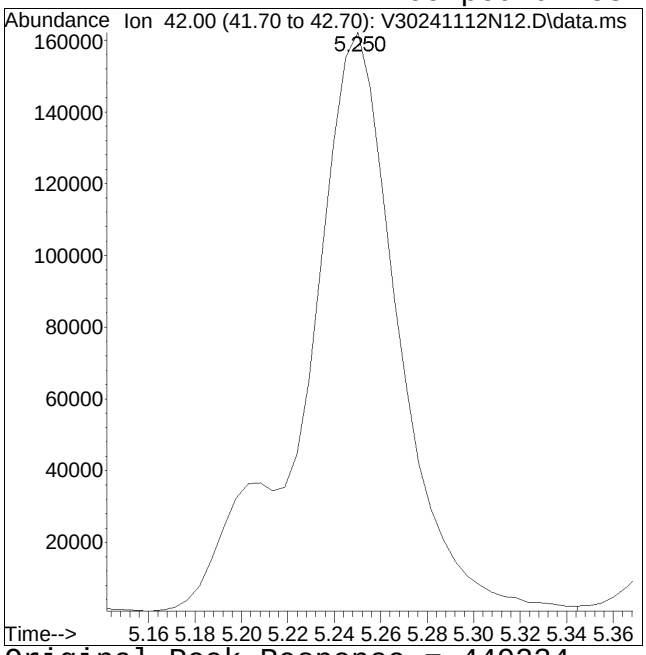
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



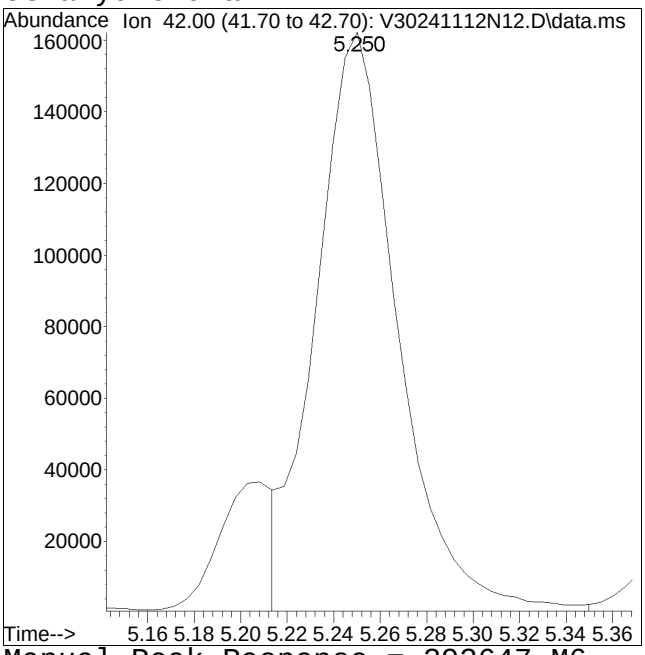
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N12.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:51 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 449234



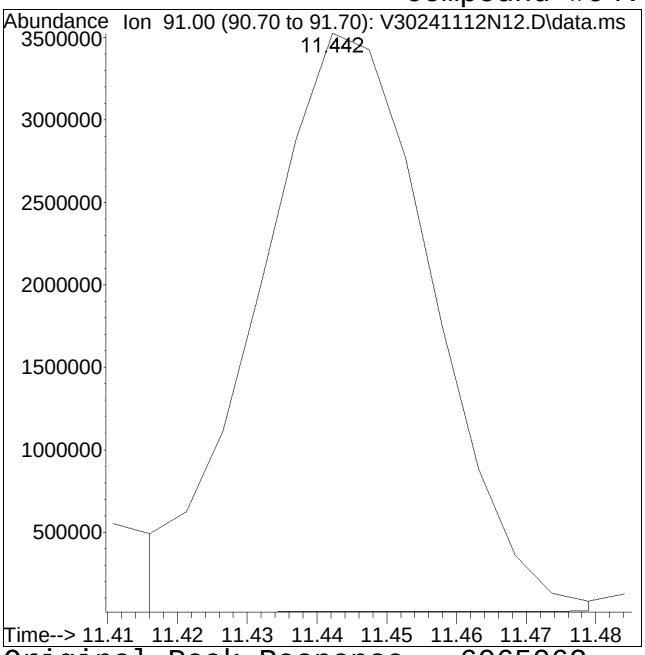
Manual Peak Response = 393647 M6

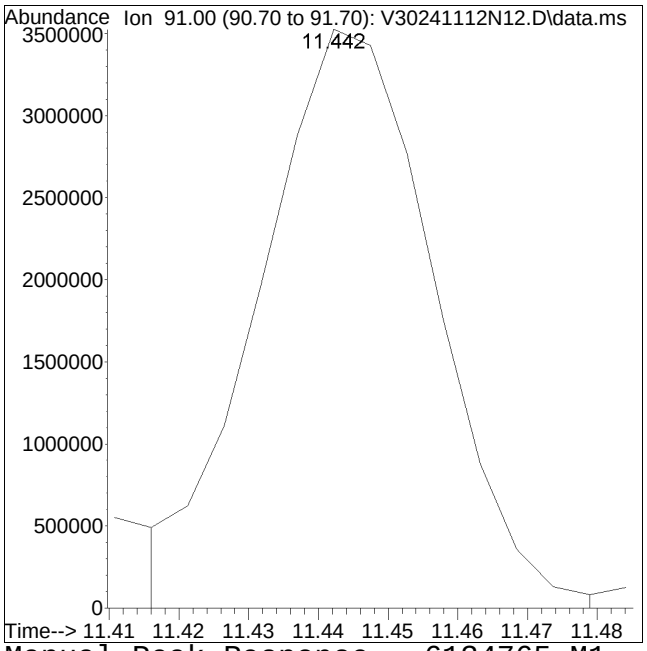
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N12.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:51 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene





Original Peak Response = 6065062 Manual Peak Response = 6134765 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane	0.242	0.234	3.3	95	0.00
3	TP	Chloromethane	0.295	0.346	-17.3	115	0.00
4	TP	Vinyl chloride	0.290	0.310	-6.9	106	0.00
5	TP	Bromomethane	0.157	0.178	-13.4	113	0.00
6	TP	Chloroethane	0.177	0.192	-8.5	107	0.00
7	TP	Trichlorofluoromethane	0.324	0.353	-9.0	107	0.00
8	TP	Ethyl ether	0.083	0.105	-26.5#	132	0.00
10	TP	1,1-Dichloroethene	0.208	0.210	-1.0	99	0.00
11	TP	Carbon disulfide	0.627	0.693	-10.5	111	0.00
12	TP	Freon-113	0.198	0.218	-10.1	109	0.00
13	TP	Iodomethane	0.168	0.247	-47.0#	157	0.00
14	TP	Acrolein	0.019	0.028	-47.4#	143	0.00
15	TP	Methylene chloride	0.257	0.265	-3.1	102	0.00
17	TP	Acetone	* 10.000	12.245	-22.4#	112	0.00
18	TP	trans-1,2-Dichloroethene	0.224	0.241	-7.6	108	0.00
19	TP	Methyl acetate	0.094	0.103	-9.6	109	0.00
21	TP	Methyl tert-butyl ether	* 10.000	8.678	13.2	107	0.00
22	TP	tert-Butyl alcohol	0.00734	0.00757#	-3.1	108	0.00
24	TP	Diisopropyl ether	0.509	0.530	-4.1	106	0.00
25	TP	1,1-Dichloroethane	0.465	0.500	-7.5	105	0.00
26	TP	Halothane	0.149	0.159	-6.7	111	0.00
27	TP	Acrylonitrile	0.048	0.058	-20.8#	114	0.00
28	TP	Ethyl tert-butyl ether	0.420	0.419	0.2	107	0.00
29	TP	Vinyl acetate	0.327	0.280	14.4	101	0.00
30	TP	cis-1,2-Dichloroethene	0.254	0.269	-5.9	106	0.00
31	TP	2,2-Dichloropropane	0.307	0.303	1.3	100	0.00
33	TP	Bromochloromethane	0.114	0.121	-6.1	104	0.00
34	TP	Cyclohexane	0.338	0.326	3.6	108	0.00
35	TP	Chloroform	0.428	0.461	-7.7	106	0.00
36	TP	Ethyl acetate	0.111	0.107	3.6	109	0.00
37	TP	Carbon tetrachloride	0.251	0.240	4.4	106	0.00
38	TP	Tetrahydrofuran	0.035	0.042	-20.0	126	0.00
39	S	Dibromofluoromethane	0.344	0.347	-0.9	101	0.00
40	TP	1,1,1-Trichloroethane	0.306	0.319	-4.2	107	0.00
42	TP	2-Butanone	0.047	0.045	4.3	110	0.00
43	TP	1,1-Dichloropropene	0.249	0.231	7.2	110	0.00
45	TP	Benzene	0.746	0.750	-0.5	104	0.00
46	TP	tert-Amyl methyl ether	0.332	0.329	0.9	103	0.00

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.344	0.348	-1.2	97	0.00
48	TP	1,2-Dichloroethane	0.263	0.277	-5.3	106	0.00
51	TP	Methyl cyclohexane	0.265	0.263	0.8	104	0.00
52	TP	Trichloroethene	0.182	0.173#	4.9	105	0.00
54	TP	Dibromomethane	0.120	0.125	-4.2	105	0.00
55	TP	1,2-Dichloropropane	0.196	0.182#	7.1	106	0.00
57	TP	2-Chloroethyl vinyl ether	0.080	0.088	-10.0	107	0.00
58	TP	Bromodichloromethane	0.266	0.250#	6.0	105	0.00
61	TP	1,4-Dioxane	0.00096	0.00094#	2.1	101	0.00
62	TP	cis-1,3-Dichloropropene	0.273	0.241#	11.7	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	S	Toluene-d8	1.341	1.350	-0.7	101	0.00
65	TP	Toluene	0.611	0.645	-5.6	106	0.00
66	TP	4-Methyl-2-pentanone	0.045	0.047	-4.4	111	0.00
67	TP	Tetrachloroethene	0.222	0.229	-3.2	106	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	8.920	10.8	104	0.00
71	TP	Ethyl methacrylate	0.181	0.211	-16.6	118	0.00
72	TP	1,1,2-Trichloroethane	0.136	0.131#	3.7	105	0.00
73	TP	Chlorodibromomethane	* 10.000	9.054	9.5	107	0.00
74	TP	1,3-Dichloropropane	0.299	0.285	4.7	104	0.00
75	TP	1,2-Dibromoethane	0.144	0.137#	4.9	102	0.00
77	TP	2-Hexanone	0.082	0.085	-3.7	109	0.00
78	T	Chlorobenzene	0.651	0.689	-5.8	107	0.00
79	TP	Ethylbenzene	1.202	1.281	-6.6	105	0.00
80	T	1,1,1,2-Tetrachloroethane	0.175	0.168	4.0	107	0.00
81	TP	p/m Xylene	0.484	0.520	-7.4	106	0.00
82	TP	o Xylene	0.465	0.505	-8.6	106	0.00
83	TP	Styrene	0.765	0.844	-10.3	106	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
85	TP	Bromoform	* 10.000	9.060	9.4	106	0.00
87	TP	Isopropylbenzene	1.865	1.995	-7.0	105	0.00
88	S	4-Bromofluorobenzene	0.864	0.885	-2.4	103	0.00
89	TP	Bromobenzene	0.451	0.488	-8.2	108	0.00
90	TP	n-Propylbenzene	2.346	2.566	-9.4	106	0.00
91	TP	1,4-Dichlorobutane	0.410	0.471	-14.9	115	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.292	0.285	2.4	101	0.00
93	TP	4-Ethyltoluene	1.945	2.173	-11.7	110	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.439	1.568	-9.0	108	0.00
95 TP	1,3,5-Trimethylbenzene	1.703	1.807	-6.1	105	0.00
96 TP	1,2,3-Trichloropropane	0.238	0.243	-2.1	104	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.071	0.077	-8.5	111	0.00
98 TP	4-Chlorotoluene	1.502	1.630	-8.5	107	0.00
99 TP	tert-Butylbenzene	1.382	1.471	-6.4	106	0.00
102 TP	1,2,4-Trimethylbenzene	1.652	1.798	-8.8	108	0.00
103 TP	sec-Butylbenzene	2.009	2.155	-7.3	104	0.00
104 TP	p-Isopropyltoluene	1.735	1.861	-7.3	105	0.00
105 TP	1,3-Dichlorobenzene	0.948	1.010	-6.5	106	0.00
106 TP	1,4-Dichlorobenzene	0.969	1.038	-7.1	108	0.00
107 TP	p-Diethylbenzene	1.021	1.020	0.1	102	0.00
108 TP	n-Butylbenzene	1.508	1.664	-10.3	108	0.00
109 TP	1,2-Dichlorobenzene	0.899	0.960	-6.8	107	0.00
110 TP	1,2,4,5-Tetramethylbenzene	1.438	1.392	3.2	111	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.049	0.053	-8.2	108	0.00
112 TP	1,3,5-Trichlorobenzene	0.663	0.650	2.0	106	0.00
113 TP	Hexachlorobutadiene	0.227	0.229	-0.9	104	0.00
114 TP	1,2,4-Trichlorobenzene	0.588	0.601	-2.2	108	0.00
115 TP	Naphthalene	1.202	1.270	-5.7	107	0.00
116 TP	1,2,3-Trichlorobenzene	0.548	0.574	-4.7	108	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	461344	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 101.92%			
63) Chlorobenzene-d5	9.639	117	368651	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 102.87%			
84) 1,4-Dichlorobenzene-d4	12.323	152	225443	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 101.54%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	160028	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.91%			
47) 1,2-Dichloroethane-d4	5.801	65	160562	10.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%			
64) Toluene-d8	7.788	98	497714	10.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.64%			
88) 4-Bromofluorobenzene	11.117	95	199551	10.249	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	107862	9.679	ug/L	96
3) Chloromethane	1.868	50	159794	11.757	ug/L	98
4) Vinyl chloride	1.942	62	143092	10.714	ug/L	99
5) Bromomethane	2.262	94	82200	11.342	ug/L	96
6) Chloroethane	2.382	64	88686	10.844	ug/L	100
7) Trichlorofluoromethane	2.524	101	162632	10.867	ug/L	98
8) Ethyl ether	2.823	74	48533	12.654	ug/L	89
10) 1,1-Dichloroethene	3.017	96	96920	10.088	ug/L	79
11) Carbon disulfide	3.048	76	319783	11.057	ug/L	100
12) Freon-113	3.059	101	100513	11.023	ug/L	88
13) Iodomethane	3.153	142	114163	14.701	ug/L	97
14) Acrolein	3.331	56	12980	14.499	ug/L	99
15) Methylene chloride	3.572	84	122128	10.300	ug/L	85
17) Acetone	3.604	43	21608	12.245	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	111400	10.796	ug/L	88
19) Methyl acetate	3.730	43	47640	11.037	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	140096	8.678	ug/L	92
22) tert-Butyl alcohol	3.908	59	17462	51.536	ug/L #	83
24) Diisopropyl ether	4.191	45	244417	10.404	ug/L	96
25) 1,1-Dichloroethane	4.312	63	230495	10.733	ug/L	98
26) Halothane	4.364	117	73157	10.614	ug/L	99

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.343	53	26621	12.067	ug/L		94
28) Ethyl tert-butyl ether	4.542	59	193221	9.973	ug/L		88
29) Vinyl acetate	4.548	43	129205	8.553	ug/L	#	94
30) cis-1,2-Dichloroethene	4.831	96	124026	10.571	ug/L		87
31) 2,2-Dichloropropane	4.941	77	139671	9.875	ug/L		87
33) Bromochloromethane	5.025	128	56011	10.646	ug/L	#	68
34) Cyclohexane	5.041	56	150309	9.632	ug/L		88
35) Chloroform	5.098	83	212676	10.765	ug/L		94
36) Ethyl acetate	5.208	43	49360	9.654	ug/L	#	96
37) Carbon tetrachloride	5.245	117	110685	9.554	ug/L		99
38) Tetrahydrofuran	5.250	42	19212M6	11.943	ug/L		
40) 1,1,1-Trichloroethane	5.308	97	147014	10.406	ug/L		94
42) 2-Butanone	5.387	43	20916	9.652	ug/L		91
43) 1,1-Dichloropropene	5.429	75	106589	9.288	ug/L		96
45) Benzene	5.670	78	346192	10.058	ug/L		97
46) tert-Amyl methyl ether	5.785	73	151660	9.893	ug/L		96
48) 1,2-Dichloroethane	5.869	62	127867	10.527	ug/L	#	98
51) Methyl cyclohexane	6.273	83	121448	9.925	ug/L		90
52) Trichloroethene	6.273	95	79654	9.498	ug/L		95
54) Dibromomethane	6.708	93	57455	10.413	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	84195	9.308	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	40481	10.929	ug/L	#	85
58) Bromodichloromethane	6.886	83	115442	9.401	ug/L	#	99
61) 1,4-Dioxane	7.091	88	21789	491.285	ug/L		95
62) cis-1,3-Dichloropropene	7.578	75	111102	8.837	ug/L	#	86
65) Toluene	7.846	92	237641	10.553	ug/L		98
66) 4-Methyl-2-pentanone	8.276	58	17332	10.494	ug/L	#	84
67) Tetrachloroethene	8.302	166	84302	10.319	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	93936	8.920	ug/L	#	80
71) Ethyl methacrylate	8.517	69	77615	11.600	ug/L		91
72) 1,1,2-Trichloroethane	8.511	83	48362	9.646	ug/L		99
73) Chlorodibromomethane	8.726	129	62846	9.054	ug/L		97
74) 1,3-Dichloropropane	8.837	76	104888	9.504	ug/L		100
75) 1,2-Dibromoethane	9.004	107	50399	9.462	ug/L		99
77) 2-Hexanone	9.287	43	31510	10.402	ug/L		94
78) Chlorobenzene	9.654	112	254013	10.578	ug/L		90
79) Ethylbenzene	9.696	91	472403	10.662	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.738	131	62101	9.610	ug/L		98
81) p/m Xylene	9.885	106	383151	21.495	ug/L		95
82) o Xylene	10.420	106	372347	21.711	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	622376	22.081	ug/L	95
85) Bromoform	10.509	173	35841	9.060	ug/L	97
87) Isopropylbenzene	10.803	105	449811	10.698	ug/L	98
89) Bromobenzene	11.233	156	109990	10.819	ug/L	98
90) n-Propylbenzene	11.280	91	578443	10.936	ug/L	96
91) 1,4-Dichlorobutane	11.285	55	106119	11.492	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	64252	9.754	ug/L	99
93) 4-Ethyltoluene	11.406	105	489936	11.172	ug/L	99
94) 2-Chlorotoluene	11.442	91	353598M4	10.897	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	407478	10.612	ug/L	98
96) 1,2,3-Trichloropropane	11.495	75	54871M4	10.215	ug/L	
97) trans-1,4-Dichloro-2-b...	11.547	53	17319	10.829	ug/L	93
98) 4-Chlorotoluene	11.626	91	367584	10.857	ug/L	95
99) tert-Butylbenzene	11.841	119	331720	10.648	ug/L	94
102) 1,2,4-Trimethylbenzene	11.920	105	405381	10.883	ug/L	98
103) sec-Butylbenzene	12.030	105	485731	10.726	ug/L	95
104) p-Isopropyltoluene	12.182	119	419641	10.731	ug/L	97
105) 1,3-Dichlorobenzene	12.250	146	227653	10.649	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	233976	10.707	ug/L	98
107) p-Diethylbenzene	12.554	119	230057	9.999	ug/L	96
108) n-Butylbenzene	12.612	91	375082	11.032	ug/L	98
109) 1,2-Dichlorobenzene	12.764	146	216468	10.681	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.346	119	313711	9.678	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	11988	10.918	ug/L	98
112) 1,3,5-Trichlorobenzene	13.571	180	146490	9.796	ug/L	96
113) Hexachlorobutadiene	14.148	225	51682	10.115	ug/L	99
114) 1,2,4-Trichlorobenzene	14.169	180	135423	10.216	ug/L	98
115) Naphthalene	14.457	128	286309	10.568	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	129516	10.490	ug/L	98

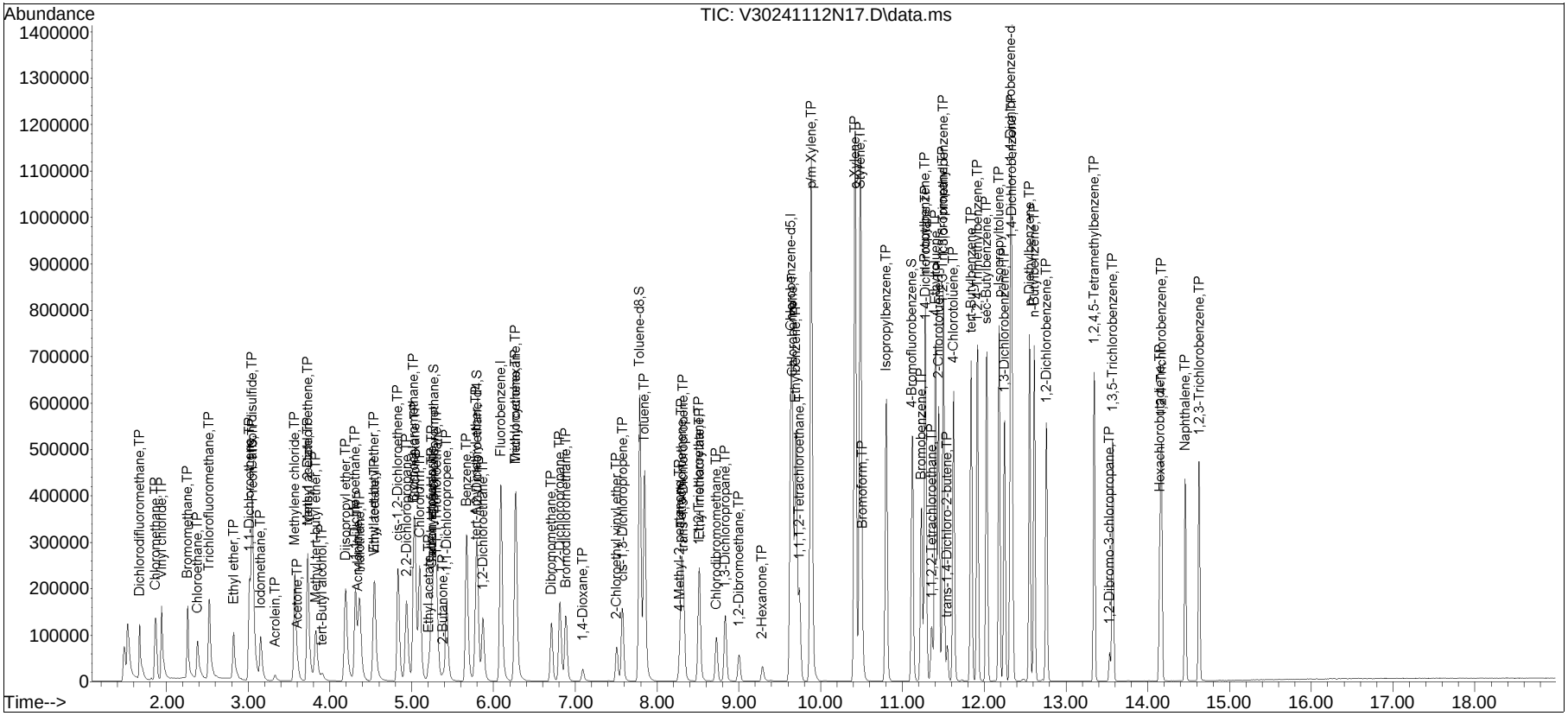
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

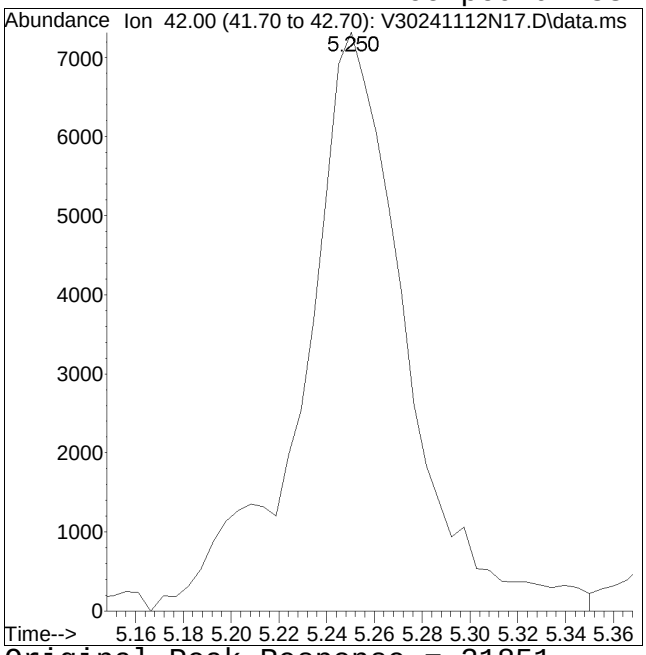
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



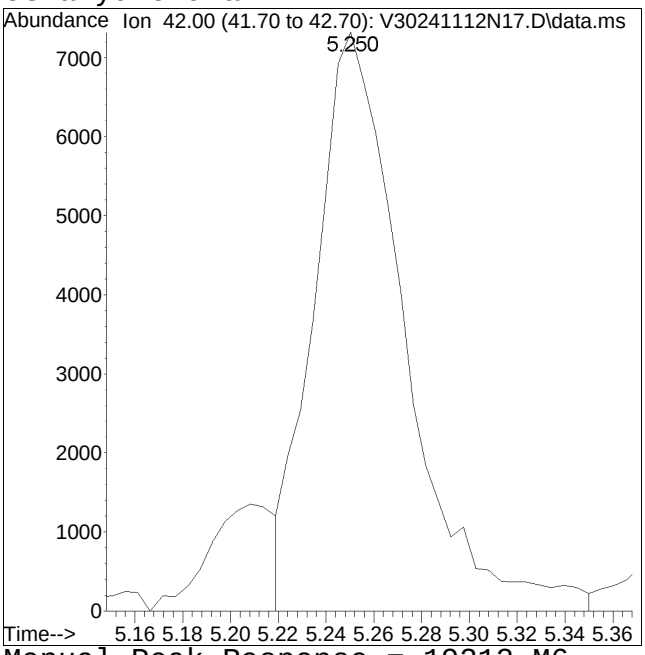
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N17.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 8:40 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 11/13/2024 1:46 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 21851



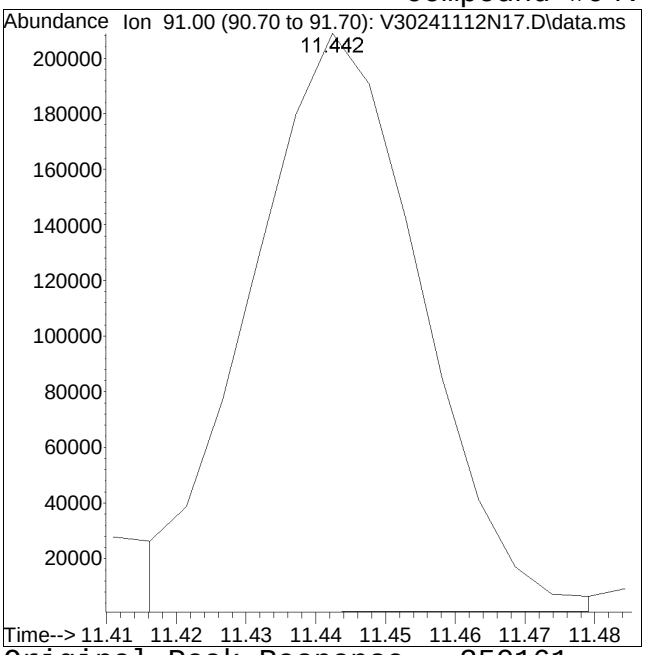
Manual Peak Response = 19212 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

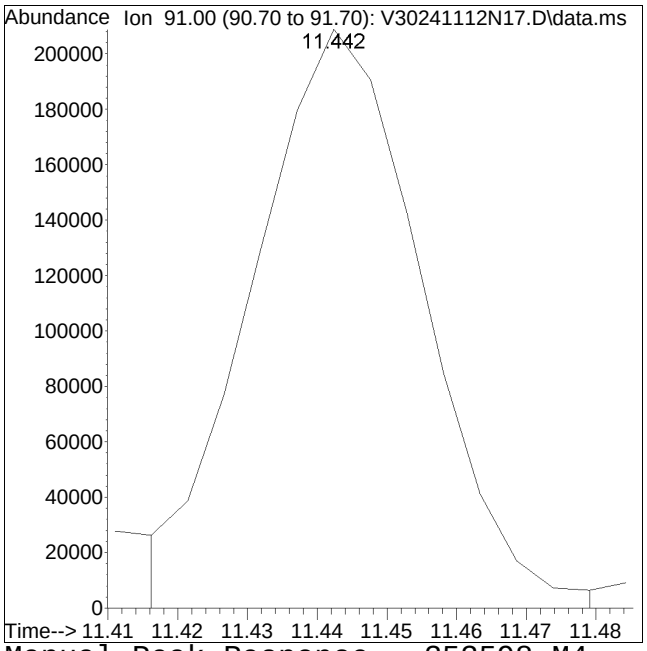
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N17.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 8:40 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 11/13/2024 1:46 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 350161



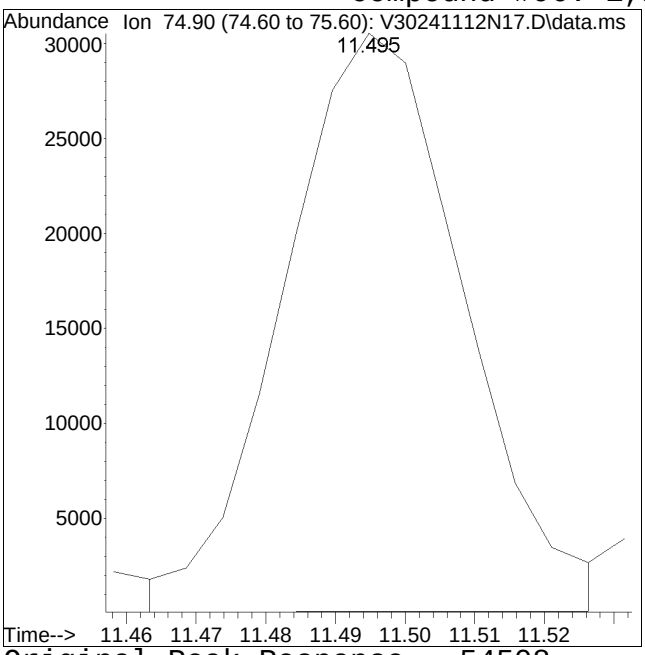
Manual Peak Response = 353598 M4

M4 = Poor automated baseline construction.

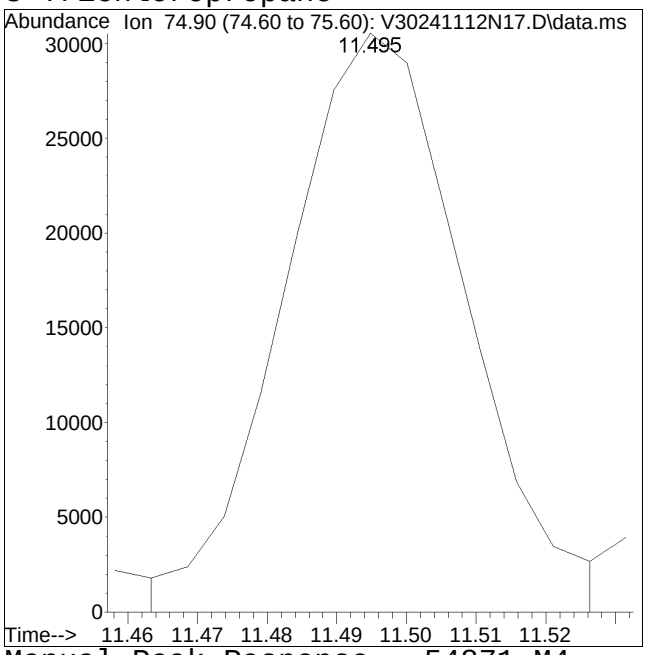
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N17.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 8:40 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 11/13/2024 1:46 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 54508



Manual Peak Response = 54871 M4

M4 = Poor automated baseline construction.

Evaluate Relative Error Report VOA130

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 12:42:51 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	TP Acetone	L	ug/L	10.0	10.928	9.3	2.00	1.642	-17.9
21	TP Methyl tert-butyl ether	Q	ug/L	10.0	8.261	-17.4	0.50	0.638	27.6
69	TP trans-1,3-Dichloropropene	Q	ug/L	10.0	8.844	-11.6	0.50	0.620	24.0
73	TP Chlorodibromomethane	Q	ug/L	10.0	8.738	-12.6	0.50	0.619	23.8
85	TP Bromoform	Q	ug/L	10.0	8.677	-13.2	0.50	0.633	26.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	TP Acetone	Linear	0.998562	0.000000	0.033041	0.00637989
21	TP Methyl tert-butyl ether	Quadratic	0.997528	0.006598	0.355285	-0.00963119
69	TP trans-1,3-Dichloropropene	Quadratic	0.998327	0.005494	0.29045	-0.00863939
73	TP Chlorodibromomethane	Quadratic	0.998369	0.004453	0.190027	-0.00521482
85	TP Bromoform	Quadratic	0.999240	0.000528	0.18194	-0.00629669

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: VOA130		Calibration Date	: 12/18/24 17:55	
Lab File ID	: V30241218N02		Init. Calib. Date(s)	: 11/12/24	11/12/24
Sample No	: WG2011328-2		Init. Calib. Times	: 15:35	18:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	116	0
Dichlorodifluoromethane	0.242	0.228	-	5.8	20	106	0
Chloromethane	0.295	0.278	-	5.8	20	105	0
Vinyl chloride	0.29	0.291	-	-0.3	20	113	0
Bromomethane	0.157	0.084	-	46.5*	20	61	0
Chloroethane	0.177	0.179	-	-1.1	20	113	0
Trichlorofluoromethane	0.324	0.338	-	-4.3	20	116	0
Ethyl ether	0.083	0.075	-	9.6	20	107	0
1,1-Dichloroethene	0.208	0.22	-	-5.8	20	118	0
Carbon disulfide	0.627	0.695	-	-10.8	20	126	0
Freon-113	0.198	0.183	-	7.6	20	104	0
Acrolein	0.019	0.031	-	-63.2*	20	176	0
Methylene chloride	0.257	0.271	-	-5.4	20	119	0
Acetone	10	11.29	-	-12.9	20	119	0
trans-1,2-Dichloroethene	0.224	0.227	-	-1.3	20	115	0
Methyl acetate	0.094	0.095	-	-1.1	20	114	0
Methyl tert-butyl ether	10	6.533	-	34.7*	20	90	0
tert-Butyl alcohol	0.00734	0.00812*	-	-10.6	20	131	0
Diisopropyl ether	0.509	0.476	-	6.5	20	108	0
1,1-Dichloroethane	0.465	0.503	-	-8.2	20	120	0
Halothane	0.149	0.122	-	18.1	20	97	0
Acrylonitrile	0.048	0.056	-	-16.7	20	125	0
Ethyl tert-butyl ether	0.42	0.349	-	16.9	20	102	0
Vinyl acetate	0.327	0.246	-	24.8*	20	101	0
cis-1,2-Dichloroethene	0.254	0.259	-	-2	20	116	0
2,2-Dichloropropane	0.307	0.305	-	0.7	20	114	0
Bromochloromethane	0.114	0.117	-	-2.6	20	114	0
Cyclohexane	0.338	0.266	-	21.3*	20	100	0
Chloroform	0.428	0.436	-	-1.9	20	114	0
Ethyl acetate	0.111	0.095	-	14.4	20	110	0
Carbon tetrachloride	0.251	0.193	-	23.1*	20	97	0
Tetrahydrofuran	0.035	0.038	-	-8.6	20	130	0
Dibromofluoromethane	0.344	0.358	-	-4.1	20	119	0
1,1,1-Trichloroethane	0.306	0.261	-	14.7	20	100	0
2-Butanone	0.047	0.048	-	-2.1	20	132	0
1,1-Dichloropropene	0.249	0.198	-	20.5*	20	107	0
Benzene	0.746	0.704	-	5.6	20	111	0
tert-Amyl methyl ether	0.332	0.286	-	13.9	20	102	0
1,2-Dichloroethane-d4	0.344	0.356	-	-3.5	20	113	0
1,2-Dichloroethane	0.263	0.249	-	5.3	20	108	0
Methyl cyclohexane	0.265	0.242	-	8.7	20	108	0
Trichloroethene	0.182	0.149*	-	18.1	20	103	0
Dibromomethane	0.12	0.115	-	4.2	20	110	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: VOA130		Calibration Date	: 12/18/24 17:55	
Lab File ID	: V30241218N02		Init. Calib. Date(s)	: 11/12/24	11/12/24
Sample No	: WG2011328-2		Init. Calib. Times	: 15:35	18:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.196	0.156*	-	20.4*	20	103	0
Bromodichloromethane	0.266	0.204*	-	23.3*	20	97	0
1,4-Dioxane	0.00096	0.00123*	-	-28.1*	20	149	0
cis-1,3-Dichloropropene	0.273	0.211*	-	22.7*	20	103	0
Chlorobenzene-d5	1	1	-	0	20	120	0
Toluene-d8	1.341	1.366	-	-1.9	20	120	0
Toluene	0.611	0.6	-	1.8	20	115	0
4-Methyl-2-pentanone	0.045	0.039	-	13.3	20	108	0
Tetrachloroethene	0.222	0.21	-	5.4	20	115	0
trans-1,3-Dichloropropene	10	7.803	-	22*	20	105	0
Ethyl methacrylate	0.181	0.17	-	6.1	20	112	0
1,1,2-Trichloroethane	0.136	0.114*	-	16.2	20	107	0
Chlorodibromomethane	10	7.207	-	27.9*	20	98	0
1,3-Dichloropropane	0.299	0.257	-	14	20	110	0
1,2-Dibromoethane	0.144	0.131*	-	9	20	114	0
2-Hexanone	0.082	0.069	-	15.9	20	103	0
Chlorobenzene	0.651	0.628	-	3.5	20	114	0
Ethylbenzene	1.202	1.191	-	0.9	20	115	0
1,1,1,2-Tetrachloroethane	0.175	0.136	-	22.3*	20	100	0
p/m Xylene	0.484	0.488	-	-0.8	20	116	0
o Xylene	0.465	0.469	-	-0.9	20	115	0
Styrene	0.765	0.765	-	0	20	113	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
Bromoform	10	6.917	-	30.8*	20	97	0
Isopropylbenzene	1.865	1.798	-	3.6	20	115	0
4-Bromofluorobenzene	0.864	0.864	-	0	20	122	0
Bromobenzene	0.451	0.423	-	6.2	20	114	0
n-Propylbenzene	2.346	2.373	-	-1.2	20	119	0
1,4-Dichlorobutane	0.41	0.4	-	2.4	20	119	0
1,1,2,2-Tetrachloroethane	0.292	0.259	-	11.3	20	112	0
4-Ethyltoluene	1.945	1.917	-	1.4	20	118	0
2-Chlorotoluene	1.439	1.407	-	2.2	20	117	0
1,3,5-Trimethylbenzene	1.703	1.667	-	2.1	20	118	0
1,2,3-Trichloropropane	0.238	0.218	-	8.4	20	114	0
trans-1,4-Dichloro-2-buten	0.071	0.05	-	29.6*	20	88	0
4-Chlorotoluene	1.502	1.478	-	1.6	20	118	0
tert-Butylbenzene	1.382	1.318	-	4.6	20	116	0
1,2,4-Trimethylbenzene	1.652	1.603	-	3	20	117	0
sec-Butylbenzene	2.009	1.975	-	1.7	20	116	0
p-Isopropyltoluene	1.735	1.663	-	4.1	20	115	0
1,3-Dichlorobenzene	0.948	0.892	-	5.9	20	114	0
1,4-Dichlorobenzene	0.969	0.91	-	6.1	20	115	0
p-Diethylbenzene	1.021	0.947	-	7.2	20	115	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: VOA130		**Calibration Date**	: 12/18/24 17:55	
Lab File ID	: V30241218N02		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2011328-2		**Init. Calib. Times**	: 15:35	18:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.508	1.501	-	0.5	20	119	0
1,2-Dichlorobenzene	0.899	0.834	-	7.2	20	113	0
1,2,4,5-Tetramethylbenzene	1.438	1.236	-	14	20	120	0
1,2-Dibromo-3-chloropropan	0.049	0.044	-	10.2	20	109	0
1,3,5-Trichlorobenzene	0.663	0.594	-	10.4	20	118	0
Hexachlorobutadiene	0.227	0.194	-	14.5	20	107	0
1,2,4-Trichlorobenzene	0.588	0.51	-	13.3	20	111	0
Naphthalene	1.202	1.097	-	8.7	20	112	0
1,2,3-Trichlorobenzene	0.548	0.476	-	13.1	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: VOA122		Calibration Date	: 12/18/24 19:16	
Lab File ID	: V22241218N01		Init. Calib. Date(s)	: 11/09/24	11/09/24
Sample No	: WG2011243-2		Init. Calib. Times	: 07:44	11:49
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	68	0
Dichlorodifluoromethane	0.207	0.178	-	14	20	53	0
Chloromethane	0.177	0.198	-	-11.9	20	71	0
Vinyl chloride	0.236	0.192	-	18.6	20	51	0
Bromomethane	0.17	0.057	-	66.5*	20	22	0
Chloroethane	0.162	0.11	-	32.1*	20	43	0
Trichlorofluoromethane	0.27	0.288	-	-6.7	20	66	0
Ethyl ether	0.059	0.056	-	5.1	20	65	0
1,1-Dichloroethene	0.142	0.158	-	-11.3	20	70	0
Carbon disulfide	0.433	0.482	-	-11.3	20	71	0
Freon-113	0.15	0.175	-	-16.7	20	73	0
Acrolein	0.011	0.015	-	-36.4*	20	100	0
Methylene chloride	0.167	0.182	-	-9	20	72	0
Acetone	0.024	0.026	-	-8.3	20	70	0
trans-1,2-Dichloroethene	0.156	0.175	-	-12.2	20	72	0
Methyl acetate	0.059	0.061	-	-3.4	20	79	0
Methyl tert-butyl ether	0.274	0.238	-	13.1	20	61	0
tert-Butyl alcohol	0.00523	0.00451*	-	13.8	20	59	0
Diisopropyl ether	0.402	0.431	-	-7.2	20	73	0
1,1-Dichloroethane	0.283	0.3*	-	-6	20	68	0
Halothane	0.122	0.138	-	-13.1	20	75	0
Acrylonitrile	0.029	0.031	-	-6.9	20	73	0
Ethyl tert-butyl ether	0.351	0.307	-	12.5	20	62	0
Vinyl acetate	0.245	0.229	-	6.5	20	66	0
cis-1,2-Dichloroethene	0.173	0.192*	-	-11	20	72	0
2,2-Dichloropropane	0.209	0.224	-	-7.2	20	73	0
Bromochloromethane	0.087	0.096*	-	-10.3	20	73	0
Cyclohexane	0.269	0.29	-	-7.8	20	71	0
Chloroform	0.283	0.293*	-	-3.5	20	68	0
Ethyl acetate	0.08	0.078	-	2.5	20	72	0
Carbon tetrachloride	0.229	0.255	-	-11.4	20	72	0
Tetrahydrofuran	0.021	0.024	-	-14.3	20	76	0
Dibromofluoromethane	0.341	0.358	-	-5	20	70	0
1,1,1-Trichloroethane	0.258	0.275	-	-6.6	20	70	0
2-Butanone	0.034	0.042	-	-23.5*	20	87	0
1,1-Dichloropropene	0.208	0.202	-	2.9	20	64	0
Benzene	0.615	0.597	-	2.9	20	61	0
tert-Amyl methyl ether	0.233	0.199	-	14.6	20	60	0
1,2-Dichloroethane-d4	0.211	0.209	-	0.9	20	68	-.02
1,2-Dichloroethane	0.149	0.15	-	-0.7	20	66	0
Methyl cyclohexane	0.225	0.22	-	2.2	20	66	0
Trichloroethene	0.143	0.137*	-	4.2	20	67	0
Dibromomethane	0.076	0.079	-	-3.9	20	68	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: VOA122		Calibration Date	: 12/18/24 19:16	
Lab File ID	: V22241218N01		Init. Calib. Date(s)	: 11/09/24	11/09/24
Sample No	: WG2011243-2		Init. Calib. Times	: 07:44	11:49
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.124	0.119*	-	4	20	63	0
2-Chloroethyl vinyl ether	0.058	0.043	-	25.9*	20	50	0
Bromodichloromethane	0.172	0.167*	-	2.9	20	65	0
1,4-Dioxane	0.0006	0.0006*	-	0	20	66	0
cis-1,3-Dichloropropene	0.179	0.162*	-	9.5	20	59	0
Chlorobenzene-d5	1	1	-	0	20	72	0
Toluene-d8	1.261	1.237	-	1.9	20	70	0
Toluene	0.415	0.426	-	-2.7	20	71	0
4-Methyl-2-pentanone	0.029	0.02*	-	31*	20	54	0
Tetrachloroethene	0.19	0.205	-	-7.9	20	75	0
trans-1,3-Dichloropropene	0.189	0.164*	-	13.2	20	61	0
Ethyl methacrylate	0.119	0.083	-	30.3*	20	48	0
1,1,2-Trichloroethane	0.097	0.088*	-	9.3	20	63	0
Chlorodibromomethane	0.159	0.143*	-	10.1	20	67	0
1,3-Dichloropropane	0.199	0.18	-	9.5	20	63	0
1,2-Dibromoethane	0.119	0.111*	-	6.7	20	66	0
2-Hexanone	0.046	0.039	-	15.2	20	61	0
Chlorobenzene	0.479	0.511	-	-6.7	20	74	0
Ethylbenzene	0.825	0.85	-	-3	20	71	0
1,1,1,2-Tetrachloroethane	0.162	0.157	-	3.1	20	69	0
p/m Xylene	0.34	0.335	-	1.5	20	69	0
o Xylene	0.324	0.315	-	2.8	20	68	0
Styrene	0.522	0.505	-	3.3	20	67	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	73	0
Bromoform	10	8.402	-	16	20	67	0
Isopropylbenzene	1.547	1.606	-	-3.8	20	71	0
4-Bromofluorobenzene	0.816	0.786	-	3.7	20	68	0
Bromobenzene	0.363	0.378	-	-4.1	20	73	0
n-Propylbenzene	1.799	1.838	-	-2.2	20	69	0
1,4-Dichlorobutane	0.301	0.309	-	-2.7	20	74	0
1,1,2,2-Tetrachloroethane	0.241	0.221	-	8.3	20	66	0
4-Ethyltoluene	1.51	1.567	-	-3.8	20	71	0
2-Chlorotoluene	1.024	1.023	-	0.1	20	68	0
1,3,5-Trimethylbenzene	1.315	1.309	-	0.5	20	69	0
1,2,3-Trichloropropane	0.193	0.168	-	13	20	63	0
trans-1,4-Dichloro-2-buten	0.061	0.052	-	14.8	20	62	0
4-Chlorotoluene	1.066	1.075	-	-0.8	20	70	0
tert-Butylbenzene	1.131	1.191	-	-5.3	20	72	0
1,2,4-Trimethylbenzene	0.747	0.877	-	-17.4	20	82	0
sec-Butylbenzene	1.6	1.724	-	-7.7	20	73	0
p-Isopropyltoluene	1.4	1.484	-	-6	20	72	0
1,3-Dichlorobenzene	0.737	0.79	-	-7.2	20	75	0
1,4-Dichlorobenzene	0.736	0.773	-	-5	20	75	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: VOA122		**Calibration Date**	: 12/18/24 19:16	
Lab File ID	: V22241218N01		**Init. Calib. Date(s)**	: 11/09/24	11/09/24
Sample No	: WG2011243-2		**Init. Calib. Times**	: 07:44	11:49
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	0.808	0.846	-	-4.7	20	73	0
n-Butylbenzene	1.113	1.197	-	-7.5	20	72	0
1,2-Dichlorobenzene	0.657	0.696	-	-5.9	20	74	0
1,2,4,5-Tetramethylbenzene	1.105	1.099	-	0.5	20	68	0
1,2-Dibromo-3-chloropropan	0.038	0.034	-	10.5	20	65	0
1,3,5-Trichlorobenzene	0.44	0.484	-	-10	20	76	0
Hexachlorobutadiene	0.146	0.18	-	-23.3*	20	88	0
1,2,4-Trichlorobenzene	0.384	0.403	-	-4.9	20	74	0
Naphthalene	0.854	0.827	-	3.2	20	66	0
1,2,3-Trichlorobenzene	0.326	0.346*	-	-6.1	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: VOA122		Calibration Date	: 12/19/24 07:38	
Lab File ID	: V22241219A01		Init. Calib. Date(s)	: 11/09/24	11/09/24
Sample No	: WG2011630-2		Init. Calib. Times	: 07:44	11:49
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	97	0
Dichlorodifluoromethane	0.207	0.213	-	-2.9	20	89	0
Chloromethane	0.177	0.216	-	-22*	20	110	0
Vinyl chloride	0.236	0.212	-	10.2	20	79	0
Bromomethane	0.17	0.056	-	67.1*	20	30	0
Chloroethane	0.162	0.121	-	25.3*	20	68	0
Trichlorofluoromethane	0.27	0.265	-	1.9	20	86	0
Ethyl ether	0.059	0.063	-	-6.8	20	104	0
1,1-Dichloroethene	0.142	0.154	-	-8.5	20	97	0
Carbon disulfide	0.433	0.492	-	-13.6	20	102	0
Freon-113	0.15	0.158	-	-5.3	20	94	0
Acrolein	0.011	0.016	-	-45.5*	20	145	0
Methylene chloride	0.167	0.189	-	-13.2	20	106	0
Acetone	0.024	0.027	-	-12.5	20	104	0
trans-1,2-Dichloroethene	0.156	0.177	-	-13.5	20	104	0
Methyl acetate	0.059	0.062	-	-5.1	20	115	0
Methyl tert-butyl ether	0.274	0.27	-	1.5	20	97	0
tert-Butyl alcohol	0.00523	0.00585*	-	-11.9	20	107	0
Diisopropyl ether	0.402	0.449	-	-11.7	20	108	0
1,1-Dichloroethane	0.283	0.311	-	-9.9	20	99	0
Halothane	0.122	0.132	-	-8.2	20	101	0
Acrylonitrile	0.029	0.033	-	-13.8	20	108	0
Ethyl tert-butyl ether	0.351	0.342	-	2.6	20	97	0
Vinyl acetate	0.245	0.237	-	3.3	20	96	0
cis-1,2-Dichloroethene	0.173	0.197*	-	-13.9	20	104	0
2,2-Dichloropropane	0.209	0.222	-	-6.2	20	101	0
Bromochloromethane	0.087	0.099*	-	-13.8	20	106	0
Cyclohexane	0.269	0.267	-	0.7	20	92	0
Chloroform	0.283	0.301	-	-6.4	20	99	0
Ethyl acetate	0.08	0.08	-	0	20	104	0
Carbon tetrachloride	0.229	0.226	-	1.3	20	90	0
Tetrahydrofuran	0.021	0.024	-	-14.3	20	108	0
Dibromofluoromethane	0.341	0.356	-	-4.4	20	99	0
1,1,1-Trichloroethane	0.258	0.259	-	-0.4	20	93	0
2-Butanone	0.034	0.042	-	-23.5*	20	123	0
1,1-Dichloropropene	0.208	0.201	-	3.4	20	90	0
Benzene	0.615	0.622	-	-1.1	20	90	0
tert-Amyl methyl ether	0.233	0.231	-	0.9	20	98	0
1,2-Dichloroethane-d4	0.211	0.207	-	1.9	20	95	-.02
1,2-Dichloroethane	0.149	0.152	-	-2	20	94	0
Methyl cyclohexane	0.225	0.208	-	7.6	20	87	0
Trichloroethene	0.143	0.137*	-	4.2	20	94	0
Dibromomethane	0.076	0.084	-	-10.5	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: VOA122		Calibration Date	: 12/19/24 07:38	
Lab File ID	: V22241219A01		Init. Calib. Date(s)	: 11/09/24	11/09/24
Sample No	: WG2011630-2		Init. Calib. Times	: 07:44	11:49
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.124	0.129*	-	-4	20	97	0
Bromodichloromethane	0.172	0.18*	-	-4.7	20	99	0
1,4-Dioxane	0.0006	0.00074*	-	-23.3*	20	114	0
cis-1,3-Dichloropropene	0.179	0.185*	-	-3.4	20	95	0
Chlorobenzene-d5	1	1	-	0	20	101	0
Toluene-d8	1.261	1.256	-	0.4	20	99	0
Toluene	0.415	0.439	-	-5.8	20	103	0
4-Methyl-2-pentanone	0.029	0.024*	-	17.2	20	92	0
Tetrachloroethene	0.19	0.198	-	-4.2	20	102	0
trans-1,3-Dichloropropene	0.189	0.185*	-	2.1	20	97	0
Ethyl methacrylate	0.119	0.107	-	10.1	20	87	0
1,1,2-Trichloroethane	0.097	0.099*	-	-2.1	20	100	0
Chlorodibromomethane	0.159	0.152*	-	4.4	20	101	0
1,3-Dichloropropane	0.199	0.197	-	1	20	97	0
1,2-Dibromoethane	0.119	0.121*	-	-1.7	20	101	0
2-Hexanone	0.046	0.045	-	2.2	20	98	0
Chlorobenzene	0.479	0.529	-	-10.4	20	108	0
Ethylbenzene	0.825	0.891	-	-8	20	105	0
1,1,1,2-Tetrachloroethane	0.162	0.162	-	0	20	101	0
p/m Xylene	0.34	0.352	-	-3.5	20	101	0
o Xylene	0.324	0.334	-	-3.1	20	101	0
Styrene	0.522	0.536	-	-2.7	20	100	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	100	0
Bromoform	10	9.164	-	8.4	20	100	0
Isopropylbenzene	1.547	1.714	-	-10.8	20	103	0
4-Bromofluorobenzene	0.816	0.827	-	-1.3	20	98	0
Bromobenzene	0.363	0.403	-	-11	20	107	0
n-Propylbenzene	1.799	1.959	-	-8.9	20	101	0
1,4-Dichlorobutane	0.301	0.336	-	-11.6	20	109	0
1,1,2,2-Tetrachloroethane	0.241	0.244	-	-1.2	20	99	0
4-Ethyltoluene	1.51	1.667	-	-10.4	20	103	0
2-Chlorotoluene	1.024	1.112	-	-8.6	20	102	0
1,3,5-Trimethylbenzene	1.315	1.408	-	-7.1	20	101	0
1,2,3-Trichloropropane	0.193	0.184	-	4.7	20	94	0
trans-1,4-Dichloro-2-buten	0.061	0.054	-	11.5	20	87	0
4-Chlorotoluene	1.066	1.174	-	-10.1	20	105	0
tert-Butylbenzene	1.131	1.254	-	-10.9	20	104	0
1,2,4-Trimethylbenzene	0.747	0.939	-	-25.7*	20	120	0
sec-Butylbenzene	1.6	1.789	-	-11.8	20	104	0
p-Isopropyltoluene	1.4	1.56	-	-11.4	20	103	0
1,3-Dichlorobenzene	0.737	0.828	-	-12.3	20	108	0
1,4-Dichlorobenzene	0.736	0.811	-	-10.2	20	107	0
p-Diethylbenzene	0.808	0.901	-	-11.5	20	106	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: VOA122		**Calibration Date**	: 12/19/24 07:38	
Lab File ID	: V22241219A01		**Init. Calib. Date(s)**	: 11/09/24	11/09/24
Sample No	: WG2011630-2		**Init. Calib. Times**	: 07:44	11:49
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.113	1.25	-	-12.3	20	104	0
1,2-Dichlorobenzene	0.657	0.738	-	-12.3	20	107	0
1,2,4,5-Tetramethylbenzene	1.105	1.239	-	-12.1	20	105	0
1,2-Dibromo-3-chloropropan	0.038	0.037	-	2.6	20	97	0
1,3,5-Trichlorobenzene	0.44	0.529	-	-20.2*	20	113	0
Hexachlorobutadiene	0.146	0.182	-	-24.7*	20	122	0
1,2,4-Trichlorobenzene	0.384	0.445	-	-15.9	20	112	0
Naphthalene	0.854	0.912	-	-6.8	20	100	0
1,2,3-Trichlorobenzene	0.326	0.379*	-	-16.3	20	111	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00
2	TP	Dichlorodifluoromethane	0.242	0.228	5.8	106	0.00
3	TP	Chloromethane	0.295	0.278	5.8	105	0.00
4	TP	Vinyl chloride	0.290	0.291	-0.3	113	0.00
5	TP	Bromomethane	0.157	0.084	46.5#	61	0.00
6	TP	Chloroethane	0.177	0.179	-1.1	113	0.00
7	TP	Trichlorofluoromethane	0.324	0.338	-4.3	116	0.00
8	TP	Ethyl ether	0.083	0.075	9.6	107	0.00
10	TP	1,1-Dichloroethene	0.208	0.220	-5.8	118	0.00
11	TP	Carbon disulfide	0.627	0.695	-10.8	126	0.00
12	TP	Freon-113	0.198	0.183	7.6	104	0.00
14	TP	Acrolein	0.019	0.031	-63.2#	176	0.00
15	TP	Methylene chloride	0.257	0.271	-5.4	119	0.00
17	TP	Acetone	* 10.000	11.290	-12.9	119	0.00
18	TP	trans-1,2-Dichloroethene	0.224	0.227	-1.3	115	0.00
19	TP	Methyl acetate	0.094	0.095	-1.1	114	0.00
21	TP	Methyl tert-butyl ether	* 10.000	6.533	34.7#	90	0.00
22	TP	tert-Butyl alcohol	0.00734	0.00812#	-10.6	131	0.00
24	TP	Diisopropyl ether	0.509	0.476	6.5	108	0.00
25	TP	1,1-Dichloroethane	0.465	0.503	-8.2	120	0.00
26	TP	Halothane	0.149	0.122	18.1	97	0.00
27	TP	Acrylonitrile	0.048	0.056	-16.7	125	0.00
28	TP	Ethyl tert-butyl ether	0.420	0.349	16.9	102	0.00
29	TP	Vinyl acetate	0.327	0.246	24.8#	101	0.00
30	TP	cis-1,2-Dichloroethene	0.254	0.259	-2.0	116	0.00
31	TP	2,2-Dichloropropane	0.307	0.305	0.7	114	0.00
33	TP	Bromochloromethane	0.114	0.117	-2.6	114	0.00
34	TP	Cyclohexane	0.338	0.266	21.3#	100	0.00
35	TP	Chloroform	0.428	0.436	-1.9	114	0.00
36	TP	Ethyl acetate	0.111	0.095	14.4	110	0.00
37	TP	Carbon tetrachloride	0.251	0.193	23.1#	97	0.00
38	TP	Tetrahydrofuran	0.035	0.038	-8.6	130	0.00
39	S	Dibromofluoromethane	0.344	0.358	-4.1	119	0.00
40	TP	1,1,1-Trichloroethane	0.306	0.261	14.7	100	0.00
42	TP	2-Butanone	0.047	0.048	-2.1	132	0.00
43	TP	1,1-Dichloropropene	0.249	0.198	20.5#	107	0.00
45	TP	Benzene	0.746	0.704	5.6	111	0.00
46	TP	tert-Amyl methyl ether	0.332	0.286	13.9	102	0.00
47	S	1,2-Dichloroethane-d4	0.344	0.356	-3.5	113	0.00

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TP	1,2-Dichloroethane	0.263	0.249	5.3	108	0.00
51	TP	Methyl cyclohexane	0.265	0.242	8.7	108	0.00
52	TP	Trichloroethene	0.182	0.149#	18.1	103	0.00
54	TP	Dibromomethane	0.120	0.115	4.2	110	0.00
55	TP	1,2-Dichloropropane	0.196	0.156#	20.4#	103	0.00
58	TP	Bromodichloromethane	0.266	0.204#	23.3#	97	0.00
61	TP	1,4-Dioxane	0.00096	0.00123#	-28.1#	149	0.00
62	TP	cis-1,3-Dichloropropene	0.273	0.211#	22.7#	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
64	S	Toluene-d8	1.341	1.366	-1.9	120	0.00
65	TP	Toluene	0.611	0.600	1.8	115	0.00
66	TP	4-Methyl-2-pentanone	0.045	0.039	13.3	108	0.00
67	TP	Tetrachloroethene	0.222	0.210	5.4	115	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	7.803	22.0#	105	0.00
71	TP	Ethyl methacrylate	0.181	0.170	6.1	112	0.00
72	TP	1,1,2-Trichloroethane	0.136	0.114#	16.2	107	0.00
73	TP	Chlorodibromomethane	* 10.000	7.207	27.9#	98	0.00
74	TP	1,3-Dichloropropane	0.299	0.257	14.0	110	0.00
75	TP	1,2-Dibromoethane	0.144	0.131#	9.0	114	0.00
77	TP	2-Hexanone	0.082	0.069	15.9	103	0.00
78	T	Chlorobenzene	0.651	0.628	3.5	114	0.00
79	TP	Ethylbenzene	1.202	1.191	0.9	115	0.00
80	T	1,1,1,2-Tetrachloroethane	0.175	0.136	22.3#	100	0.00
81	TP	p/m Xylene	0.484	0.488	-0.8	116	0.00
82	TP	o Xylene	0.465	0.469	-0.9	115	0.00
83	TP	Styrene	0.765	0.765	0.0	113	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00
85	TP	Bromoform	* 10.000	6.917	30.8#	97	0.00
87	TP	Isopropylbenzene	1.865	1.798	3.6	115	0.00
88	S	4-Bromofluorobenzene	0.864	0.864	0.0	122	0.00
89	TP	Bromobenzene	0.451	0.423	6.2	114	0.00
90	TP	n-Propylbenzene	2.346	2.373	-1.2	119	0.00
91	TP	1,4-Dichlorobutane	0.410	0.400	2.4	119	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.292	0.259	11.3	112	0.00
93	TP	4-Ethyltoluene	1.945	1.917	1.4	118	0.00
94	TP	2-Chlorotoluene	1.439	1.407	2.2	117	0.00
95	TP	1,3,5-Trimethylbenzene	1.703	1.667	2.1	118	0.00

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 TP	1,2,3-Trichloropropane	0.238	0.218	8.4	114	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.071	0.050	29.6#	88	0.00
98 TP	4-Chlorotoluene	1.502	1.478	1.6	118	0.00
99 TP	tert-Butylbenzene	1.382	1.318	4.6	116	0.00
102 TP	1,2,4-Trimethylbenzene	1.652	1.603	3.0	117	0.00
103 TP	sec-Butylbenzene	2.009	1.975	1.7	116	0.00
104 TP	p-Isopropyltoluene	1.735	1.663	4.1	115	0.00
105 TP	1,3-Dichlorobenzene	0.948	0.892	5.9	114	0.00
106 TP	1,4-Dichlorobenzene	0.969	0.910	6.1	115	0.00
107 TP	p-Diethylbenzene	1.021	0.947	7.2	115	0.00
108 TP	n-Butylbenzene	1.508	1.501	0.5	119	0.00
109 TP	1,2-Dichlorobenzene	0.899	0.834	7.2	113	0.00
110 TP	1,2,4,5-Tetramethylbenzene	1.438	1.236	14.0	120	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.049	0.044	10.2	109	0.00
112 TP	1,3,5-Trichlorobenzene	0.663	0.594	10.4	118	0.00
113 TP	Hexachlorobutadiene	0.227	0.194	14.5	107	0.00
114 TP	1,2,4-Trichlorobenzene	0.588	0.510	13.3	111	0.00
115 TP	Naphthalene	1.202	1.097	8.7	112	0.00
116 TP	1,2,3-Trichlorobenzene	0.548	0.476	13.1	109	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	523400	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 100.00%			
63) Chlorobenzene-d5	9.634	117	431183	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.323	152	274323	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	187333	10.412	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.12%			
47) 1,2-Dichloroethane-d4	5.796	65	186462	10.350	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%			
64) Toluene-d8	7.783	98	589133	10.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
88) 4-Bromofluorobenzene	11.117	95	237146	10.010	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	119436	9.447	ug/L	96
3) Chloromethane	1.863	50	145445	9.432	ug/L	98
4) Vinyl chloride	1.942	62	152260	10.048	ug/L	99
5) Bromomethane	2.256	94	44218	5.378	ug/L	98
6) Chloroethane	2.377	64	93428	10.069	ug/L	98
7) Trichlorofluoromethane	2.519	101	176777	10.412	ug/L	100
8) Ethyl ether	2.817	74	39511	9.080	ug/L	88
10) 1,1-Dichloroethene	3.011	96	115128	10.563	ug/L	82
11) Carbon disulfide	3.043	76	363728	11.085	ug/L	100
12) Freon-113	3.053	101	95956	9.275	ug/L	89
14) Acrolein	3.326	56	16048	15.801	ug/L	92
15) Methylene chloride	3.567	84	142078	10.562	ug/L	85
17) Acetone	3.604	43	22863	11.290	ug/L	93
18) trans-1,2-Dichloroethene	3.725	96	118565	10.128	ug/L	87
19) Methyl acetate	3.730	43	49847	10.179	ug/L #	88
21) Methyl tert-butyl ether	3.824	73	117923	6.533	ug/L	94
22) tert-Butyl alcohol	3.908	59	21242	55.259	ug/L #	89
24) Diisopropyl ether	4.186	45	249018	9.343	ug/L	97
25) 1,1-Dichloroethane	4.307	63	263172	10.802	ug/L	98
26) Halothane	4.359	117	63612	8.135	ug/L	98
27) Acrylonitrile	4.343	53	29083	11.620	ug/L	99

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.537	59	182763	8.314	ug/L		90
29) Vinyl acetate	4.542	43	128858	7.519	ug/L	#	96
30) cis-1,2-Dichloroethene	4.831	96	135654	10.191	ug/L		88
31) 2,2-Dichloropropane	4.930	77	159719	9.953	ug/L		84
33) Bromochloromethane	5.020	128	61389	10.284	ug/L	#	72
34) Cyclohexane	5.035	56	139481	7.878	ug/L		90
35) Chloroform	5.093	83	228217	10.182	ug/L		94
36) Ethyl acetate	5.203	43	49629	8.555	ug/L		98
37) Carbon tetrachloride	5.240	117	101253	7.704	ug/L		98
38) Tetrahydrofuran	5.250	42	19750M6	10.822	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	136702	8.529	ug/L		95
42) 2-Butanone	5.387	43	25052	10.189	ug/L		96
43) 1,1-Dichloropropene	5.423	75	103494	7.949	ug/L		97
45) Benzene	5.670	78	368373	9.433	ug/L		97
46) tert-Amyl methyl ether	5.785	73	149602	8.601	ug/L		94
48) 1,2-Dichloroethane	5.869	62	130408	9.463	ug/L	#	97
51) Methyl cyclohexane	6.267	83	126660	9.124	ug/L		92
52) Trichloroethene	6.267	95	78083	8.207	ug/L		96
54) Dibromomethane	6.708	93	60157	9.610	ug/L		94
55) 1,2-Dichloropropane	6.807	63	81616	7.953	ug/L		99
58) Bromodichloromethane	6.881	83	106603	7.652	ug/L	#	99
61) 1,4-Dioxane	7.091	88	32283	641.595	ug/L		97
62) cis-1,3-Dichloropropene	7.573	75	110304	7.733	ug/L	#	85
65) Toluene	7.846	92	258542	9.816	ug/L		99
66) 4-Methyl-2-pentanone	8.276	58	16796	8.695	ug/L	#	86
67) Tetrachloroethene	8.297	166	90748	9.497	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	95440	7.803	ug/L	#	78
71) Ethyl methacrylate	8.517	69	73410	9.381	ug/L	#	87
72) 1,1,2-Trichloroethane	8.506	83	49278	8.403	ug/L		99
73) Chlorodibromomethane	8.721	129	57801	7.207	ug/L		99
74) 1,3-Dichloropropane	8.831	76	110762	8.580	ug/L		99
75) 1,2-Dibromoethane	8.999	107	56590	9.084	ug/L		99
77) 2-Hexanone	9.287	43	29879	8.433	ug/L		97
78) Chlorobenzene	9.655	112	270850	9.643	ug/L		89
79) Ethylbenzene	9.691	91	513612	9.911	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.738	131	58497	7.740	ug/L		99
81) p/m Xylene	9.880	106	420904	20.188	ug/L		96
82) o Xylene	10.420	106	404274	20.154	ug/L		96
83) Styrene	10.483	104	659798	20.014	ug/L		96
85) Bromoform	10.504	173	32866	6.917	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) Isopropylbenzene	10.797	105	493170	9.640	ug/L		99
89) Bromobenzene	11.227	156	116103	9.385	ug/L		98
90) n-Propylbenzene	11.275	91	650904	10.113	ug/L		98
91) 1,4-Dichlorobutane	11.285	55	109750	9.767	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.353	83	71070	8.867	ug/L		99
93) 4-Ethyltoluene	11.400	105	525960	9.857	ug/L		99
94) 2-Chlorotoluene	11.437	91	385867	9.772	ug/L	#	88
95) 1,3,5-Trimethylbenzene	11.495	105	457409	9.790	ug/L		98
96) 1,2,3-Trichloropropane	11.495	75	59857	9.157	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.547	53	13660	7.019	ug/L		97
98) 4-Chlorotoluene	11.621	91	405586	9.845	ug/L		97
99) tert-Butylbenzene	11.836	119	361495	9.537	ug/L		96
102) 1,2,4-Trimethylbenzene	11.914	105	439824	9.704	ug/L		98
103) sec-Butylbenzene	12.024	105	541857	9.833	ug/L		96
104) p-Isopropyltoluene	12.176	119	456134	9.586	ug/L		98
105) 1,3-Dichlorobenzene	12.245	146	244698	9.407	ug/L		98
106) 1,4-Dichlorobenzene	12.334	146	249656	9.389	ug/L		99
107) p-Diethylbenzene	12.549	119	259682	9.275	ug/L		97
108) n-Butylbenzene	12.606	91	411840	9.955	ug/L		98
109) 1,2-Dichlorobenzene	12.758	146	228787	9.277	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.340	119	339182	8.600	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.529	155	12071	9.035	ug/L		96
112) 1,3,5-Trichlorobenzene	13.566	180	162857	8.950	ug/L		97
113) Hexachlorobutadiene	14.143	225	53172	8.552	ug/L		98
114) 1,2,4-Trichlorobenzene	14.164	180	139996	8.680	ug/L		98
115) Naphthalene	14.457	128	300895	9.127	ug/L		100
116) 1,2,3-Trichlorobenzene	14.625	180	130555	8.690	ug/L		99

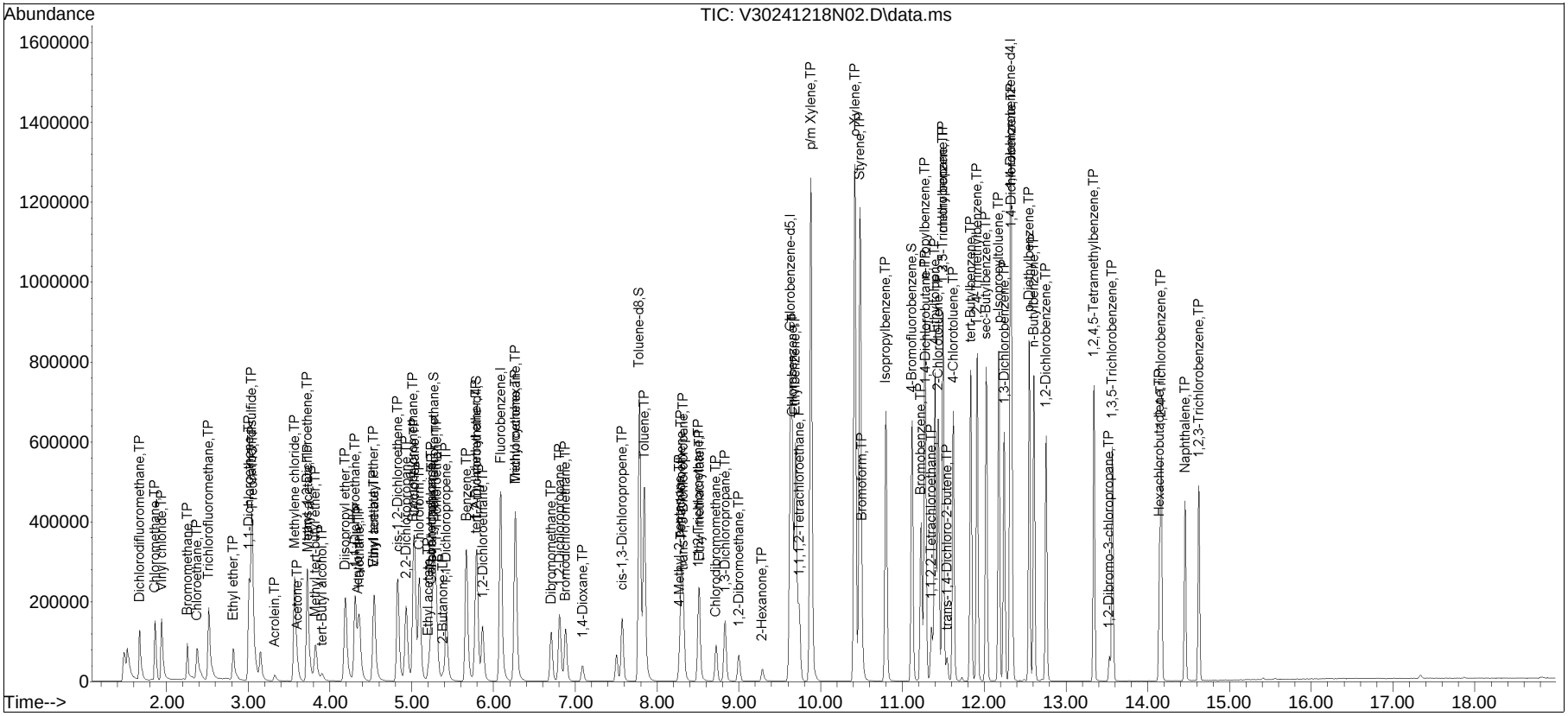
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-2
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

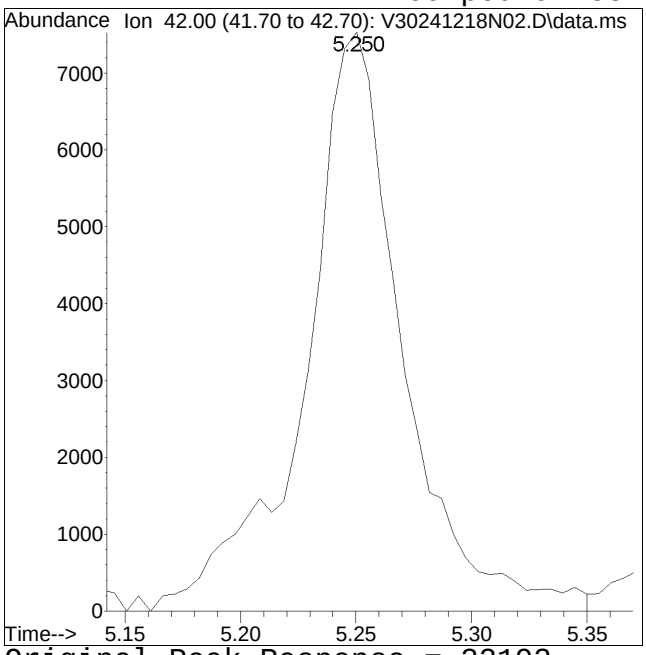
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



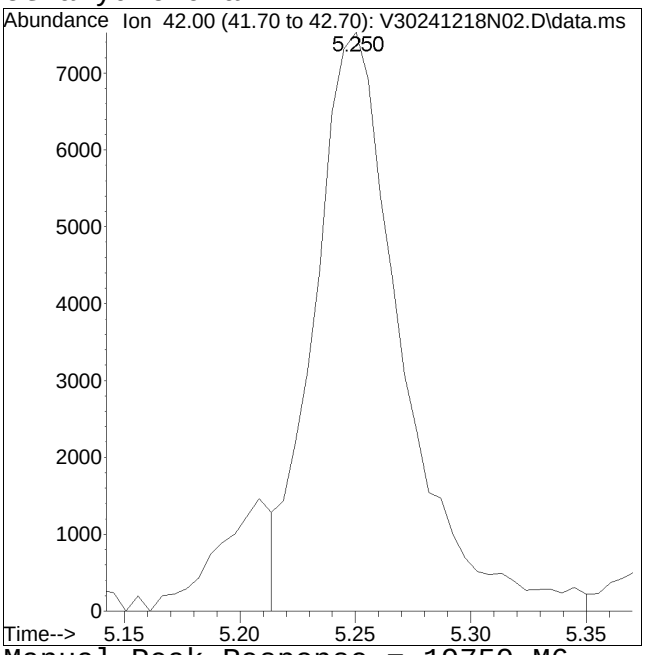
Manual Integration Report

Data Path	: K:\VOA130\2024\241218N\	QMethod	: V130_241112N_8260D.m
Data File	: V30241218N02.D	Operator	: VOA130:LAC
Date Inj'd	: 12/18/2024 5:55 pm	Instrument	: VOA130
Sample	: WG2011328-2	Quant Date	: 12/18/2024 6:22 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 22192



Manual Peak Response = 19750 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	68	0.00
2	TP	Dichlorodifluoromethane	0.207	0.178	14.0	53	0.00
3	TP	Chloromethane	0.177	0.198	-11.9	71	0.00
4	TP	Vinyl chloride	0.236	0.192	18.6	51	0.00
5	TP	Bromomethane	0.170	0.057	66.5#	22#	0.00
6	TP	Chloroethane	0.162	0.110	32.1#	43#	0.00
7	TP	Trichlorofluoromethane	0.270	0.288	-6.7	66	0.00
8	TP	Ethyl ether	0.059	0.056	5.1	65	0.00
10	TP	1,1-Dichloroethene	0.142	0.158	-11.3	70	0.00
11	TP	Carbon disulfide	0.433	0.482	-11.3	71	0.00
12	TP	Freon-113	0.150	0.175	-16.7	73	0.00
14	TP	Acrolein	0.011	0.015	-36.4#	100	0.00
15	TP	Methylene chloride	0.167	0.182	-9.0	72	0.00
17	TP	Acetone	0.024	0.026	-8.3	70	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.175	-12.2	72	0.00
19	TP	Methyl acetate	0.059	0.061	-3.4	79	0.00
21	TP	Methyl tert-butyl ether	0.274	0.238	13.1	61	0.00
22	TP	tert-Butyl alcohol	0.00523	0.00451#	13.8	59	0.00
24	TP	Diisopropyl ether	0.402	0.431	-7.2	73	0.00
25	TP	1,1-Dichloroethane	0.283	0.300#	-6.0	68	0.00
26	TP	Halothane	0.122	0.138	-13.1	75	0.00
27	TP	Acrylonitrile	0.029	0.031	-6.9	73	0.00
28	TP	Ethyl tert-butyl ether	0.351	0.307	12.5	62	0.00
29	TP	Vinyl acetate	0.245	0.229	6.5	66	0.00
30	TP	cis-1,2-Dichloroethene	0.173	0.192#	-11.0	72	0.00
31	TP	2,2-Dichloropropane	0.209	0.224	-7.2	73	0.00
32	TP	Bromochloromethane	0.087	0.096#	-10.3	73	0.00
33	TP	Cyclohexane	0.269	0.290	-7.8	71	0.00
34	TP	Chloroform	0.283	0.293#	-3.5	68	0.00
35	TP	Ethyl acetate	0.080	0.078	2.5	72	0.00
36	TP	Carbon tetrachloride	0.229	0.255	-11.4	72	0.00
37	TP	Tetrahydrofuran	0.021	0.024	-14.3	76	0.00
38	S	Dibromofluoromethane	0.341	0.358	-5.0	70	0.00
39	TP	1,1,1-Trichloroethane	0.258	0.275	-6.6	70	0.00
41	TP	2-Butanone	0.034	0.042	-23.5#	87	0.00
42	TP	1,1-Dichloropropene	0.208	0.202	2.9	64	0.00
44	TP	Benzene	0.615	0.597	2.9	61	0.00
45	TP	tert-Amyl methyl ether	0.233	0.199	14.6	60	0.00
46	S	1,2-Dichloroethane-d4	0.211	0.209	0.9	68	-0.02

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.149	0.150	-0.7	66	0.00
50	TP	Methyl cyclohexane	0.225	0.220	2.2	66	0.00
51	TP	Trichloroethene	0.143	0.137#	4.2	67	0.00
53	TP	Dibromomethane	0.076	0.079	-3.9	68	0.00
54	TP	1,2-Dichloropropane	0.124	0.119#	4.0	63	0.00
56	TP	2-Chloroethyl vinyl ether	0.058	0.043	25.9#	50#	0.00
57	TP	Bromodichloromethane	0.172	0.167#	2.9	65	0.00
60	TP	1,4-Dioxane	0.00060	0.00060#	0.0	66	0.00
61	TP	cis-1,3-Dichloropropene	0.179	0.162#	9.5	59	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
63	S	Toluene-d8	1.261	1.237	1.9	70	0.00
64	TP	Toluene	0.415	0.426	-2.7	71	0.00
65	TP	4-Methyl-2-pentanone	0.029	0.020#	31.0#	54	0.00
66	TP	Tetrachloroethene	0.190	0.205	-7.9	75	0.00
68	TP	trans-1,3-Dichloropropene	0.189	0.164#	13.2	61	0.00
70	TP	Ethyl methacrylate	0.119	0.083	30.3#	48#	0.00
71	TP	1,1,2-Trichloroethane	0.097	0.088#	9.3	63	0.00
72	TP	Chlorodibromomethane	0.159	0.143#	10.1	67	0.00
73	TP	1,3-Dichloropropane	0.199	0.180	9.5	63	0.00
74	TP	1,2-Dibromoethane	0.119	0.111#	6.7	66	0.00
76	TP	2-Hexanone	0.046	0.039	15.2	61	0.00
77	TP	Chlorobenzene	0.479	0.511	-6.7	74	0.00
78	TP	Ethylbenzene	0.825	0.850	-3.0	71	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.162	0.157	3.1	69	0.00
80	TP	p/m Xylene	0.340	0.335	1.5	69	0.00
81	TP	o Xylene	0.324	0.315	2.8	68	0.00
82	TP	Styrene	0.522	0.505	3.3	67	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	0.00
84	TP	Bromoform	* 10.000	8.402	16.0	67	0.00
86	TP	Isopropylbenzene	1.547	1.606	-3.8	71	0.00
87	S	4-Bromofluorobenzene	0.816	0.786	3.7	68	0.00
88	TP	Bromobenzene	0.363	0.378	-4.1	73	0.00
89	TP	n-Propylbenzene	1.799	1.838	-2.2	69	0.00
90	TP	1,4-Dichlorobutane	0.301	0.309	-2.7	74	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.241	0.221	8.3	66	0.00
92	TP	4-Ethyltoluene	1.510	1.567	-3.8	71	0.00
93	TP	2-Chlorotoluene	1.024	1.023	0.1	68	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	1,3,5-Trimethylbenzene	1.315	1.309	0.5	69	0.00
95 TP	1,2,3-Trichloropropane	0.193	0.168	13.0	63	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.061	0.052	14.8	62	0.00
97 TP	4-Chlorotoluene	1.066	1.075	-0.8	70	0.00
98 TP	tert-Butylbenzene	1.131	1.191	-5.3	72	0.00
101 TP	1,2,4-Trimethylbenzene	0.747	0.877	-17.4	82	0.00
102 TP	sec-Butylbenzene	1.600	1.724	-7.7	73	0.00
103 TP	p-Isopropyltoluene	1.400	1.484	-6.0	72	0.00
104 TP	1,3-Dichlorobenzene	0.737	0.790	-7.2	75	0.00
105 TP	1,4-Dichlorobenzene	0.736	0.773	-5.0	75	0.00
106 TP	p-Diethylbenzene	0.808	0.846	-4.7	73	0.00
107 TP	n-Butylbenzene	1.113	1.197	-7.5	72	0.00
108 TP	1,2-Dichlorobenzene	0.657	0.696	-5.9	74	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.105	1.099	0.5	68	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.038	0.034	10.5	65	0.00
111 TP	1,3,5-Trichlorobenzene	0.440	0.484	-10.0	76	0.00
112 TP	Hexachlorobutadiene	0.146	0.180	-23.3#	88	0.00
113 TP	1,2,4-Trichlorobenzene	0.384	0.403	-4.9	74	0.00
114 TP	Naphthalene	0.854	0.827	3.2	66	0.00
115 TP	1,2,3-Trichlorobenzene	0.326	0.346#	-6.1	74	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 16 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	358970	10.000	ug/L	0.00
Standard Area 1 = 358970			Recovery = 100.00%			
62) Chlorobenzene-d5	9.484	117	300527	10.000	ug/L	0.00
Standard Area 1 = 300527			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.202	152	166973	10.000	ug/L	0.00
Standard Area 1 = 166973			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	128559	10.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.93%			
46) 1,2-Dichloroethane-d4	5.649	65	74882	9.891	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.91%			
63) Toluene-d8	7.640	98	371688	9.810	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.10%			
87) 4-Bromofluorobenzene	10.984	95	131251	9.629	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	63757	8.601	ug/L	97
3) Chloromethane	1.802	50	71038	11.197	ug/L	98
4) Vinyl chloride	1.874	62	68958	8.150	ug/L	98
5) Bromomethane	2.176	94	20407	3.338	ug/L	99
6) Chloroethane	2.294	64	39352	6.787	ug/L	100
7) Trichlorofluoromethane	2.431	101	103469	10.686	ug/L	99
8) Ethyl ether	2.726	74	20012	9.390	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	56699	11.099	ug/L	95
11) Carbon disulfide	2.949	76	172865	11.132	ug/L	100
12) Freon-113	2.955	101	62721	11.676	ug/L	100
14) Acrolein	3.224	56	5446	14.073	ug/L	100
15) Methylene chloride	3.454	84	65307	10.879	ug/L	79
17) Acetone	3.493	43	9217	10.663	ug/L	90
18) trans-1,2-Dichloroethene	3.611	96	62751	11.190	ug/L	97
19) Methyl acetate	3.611	43	21746	10.352	ug/L #	88
21) Methyl tert-butyl ether	3.703	73	85318	8.674	ug/L #	84
22) tert-Butyl alcohol	3.781	59	8098	43.109	ug/L #	64
24) Diisopropyl ether	4.063	45	154716	10.714	ug/L	92
25) 1,1-Dichloroethane	4.181	63	107674	10.605	ug/L	98
26) Halothane	4.234	117	49418	11.305	ug/L	100
27) Acrylonitrile	4.220	53	11258	10.913	ug/L	93

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.410	59	110115	8.733	ug/L		90
29) Vinyl acetate	4.417	43	82284	9.354	ug/L	#	91
30) cis-1,2-Dichloroethene	4.699	96	68826	11.090	ug/L		96
31) 2,2-Dichloropropane	4.804	77	80509	10.730	ug/L	#	79
32) Bromochloromethane	4.889	128	34488	11.056	ug/L		89
33) Cyclohexane	4.902	56	103948	10.751	ug/L		89
34) Chloroform	4.961	83	105027	10.345	ug/L		96
35) Ethyl acetate	5.066	43	28165	9.841	ug/L	#	94
36) Carbon tetrachloride	5.099	117	91461	11.138	ug/L		100
37) Tetrahydrofuran	5.112	42	8578M6	11.321	ug/L		
39) 1,1,1-Trichloroethane	5.164	97	98683	10.662	ug/L		99
41) 2-Butanone	5.249	43	14988	12.206	ug/L	#	43
42) 1,1-Dichloropropene	5.282	75	72555	9.696	ug/L		97
44) Benzene	5.531	78	214253	9.701	ug/L		94
45) tert-Amyl methyl ether	5.643	73	71550	8.556	ug/L	#	79
47) 1,2-Dichloroethane	5.728	62	53946	10.055	ug/L		95
50) Methyl cyclohexane	6.121	83	78811	9.736	ug/L		85
51) Trichloroethene	6.121	95	49219	9.576	ug/L		97
53) Dibromomethane	6.556	93	28520	10.423	ug/L		87
54) 1,2-Dichloropropane	6.660	63	42578	9.591	ug/L		99
56) 2-Chloroethyl vinyl ether	7.362	63	15301	7.299	ug/L	#	84
57) Bromodichloromethane	6.737	83	59897	9.715	ug/L		97
60) 1,4-Dioxane	6.945	88	10781	504.351	ug/L	#	73
61) cis-1,3-Dichloropropene	7.425	75	58181	9.063	ug/L	#	87
64) Toluene	7.696	92	128125	10.278	ug/L		99
65) 4-Methyl-2-pentanone	8.134	58	6037	7.039	ug/L	#	59
66) Tetrachloroethene	8.141	166	61608	10.784	ug/L		95
68) trans-1,3-Dichloropropene	8.175	75	49211	8.646	ug/L		88
70) Ethyl methacrylate	8.370	69	24851	6.926	ug/L	#	70
71) 1,1,2-Trichloroethane	8.363	83	26379	9.069	ug/L		99
72) Chlorodibromomethane	8.572	129	42977	8.973	ug/L		99
73) 1,3-Dichloropropane	8.684	76	54110	9.026	ug/L		100
74) 1,2-Dibromoethane	8.846	107	33419	9.340	ug/L		100
76) 2-Hexanone	9.140	43	11764	8.435	ug/L	#	81
77) Chlorobenzene	9.505	112	153576	10.667	ug/L	#	86
78) Ethylbenzene	9.547	91	255596	10.311	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.589	131	47298	9.701	ug/L		97
80) p/m Xylene	9.736	106	201509	19.705	ug/L		98
81) o Xylene	10.276	106	189611	19.450	ug/L		98
82) Styrene	10.339	104	303751	19.380	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Bromoform	10.360	173	22873	8.402	ug/L		98
86) Isopropylbenzene	10.669	105	268232	10.383	ug/L		100
88) Bromobenzene	11.097	156	63132	10.414	ug/L		100
89) n-Propylbenzene	11.146	91	306855	10.215	ug/L		98
90) 1,4-Dichlorobutane	11.153	55	51658	10.264	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.223	83	36896	9.174	ug/L		99
92) 4-Ethyltoluene	11.272	105	261696	10.377	ug/L		99
93) 2-Chlorotoluene	11.307	91	170809M6	9.994	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	218637	9.961	ug/L		99
95) 1,2,3-Trichloropropane	11.363	75	28048	8.713	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.419	53	8717	8.611	ug/L	#	72
97) 4-Chlorotoluene	11.496	91	179547	10.084	ug/L		95
98) tert-Butylbenzene	11.721	119	198936	10.537	ug/L		97
101) 1,2,4-Trimethylbenzene	11.791	105	146505	11.749	ug/L		99
102) sec-Butylbenzene	11.909	105	287780	10.772	ug/L		100
103) p-Isopropyltoluene	12.062	119	247754	10.597	ug/L		99
104) 1,3-Dichlorobenzene	12.125	146	131900	10.725	ug/L		99
105) 1,4-Dichlorobenzene	12.216	146	129128	10.508	ug/L		99
106) p-Diethylbenzene	12.438	119	141239	10.466	ug/L		99
107) n-Butylbenzene	12.494	91	199869	10.752	ug/L		98
108) 1,2-Dichlorobenzene	12.640	146	116176	10.588	ug/L		99
109) 1,2,4,5-Tetramethylben...	13.239	119	183488	9.943	ug/L		100
110) 1,2-Dibromo-3-chloropr...	13.420	155	5613	8.957	ug/L		97
111) 1,3,5-Trichlorobenzene	13.455	180	80818	11.011	ug/L		98
112) Hexachlorobutadiene	14.039	225	30061	12.300	ug/L		97
113) 1,2,4-Trichlorobenzene	14.053	180	67286	10.495	ug/L		99
114) Naphthalene	14.353	128	138085	9.685	ug/L		100
115) 1,2,3-Trichlorobenzene	14.520	180	57791	10.618	ug/L		97

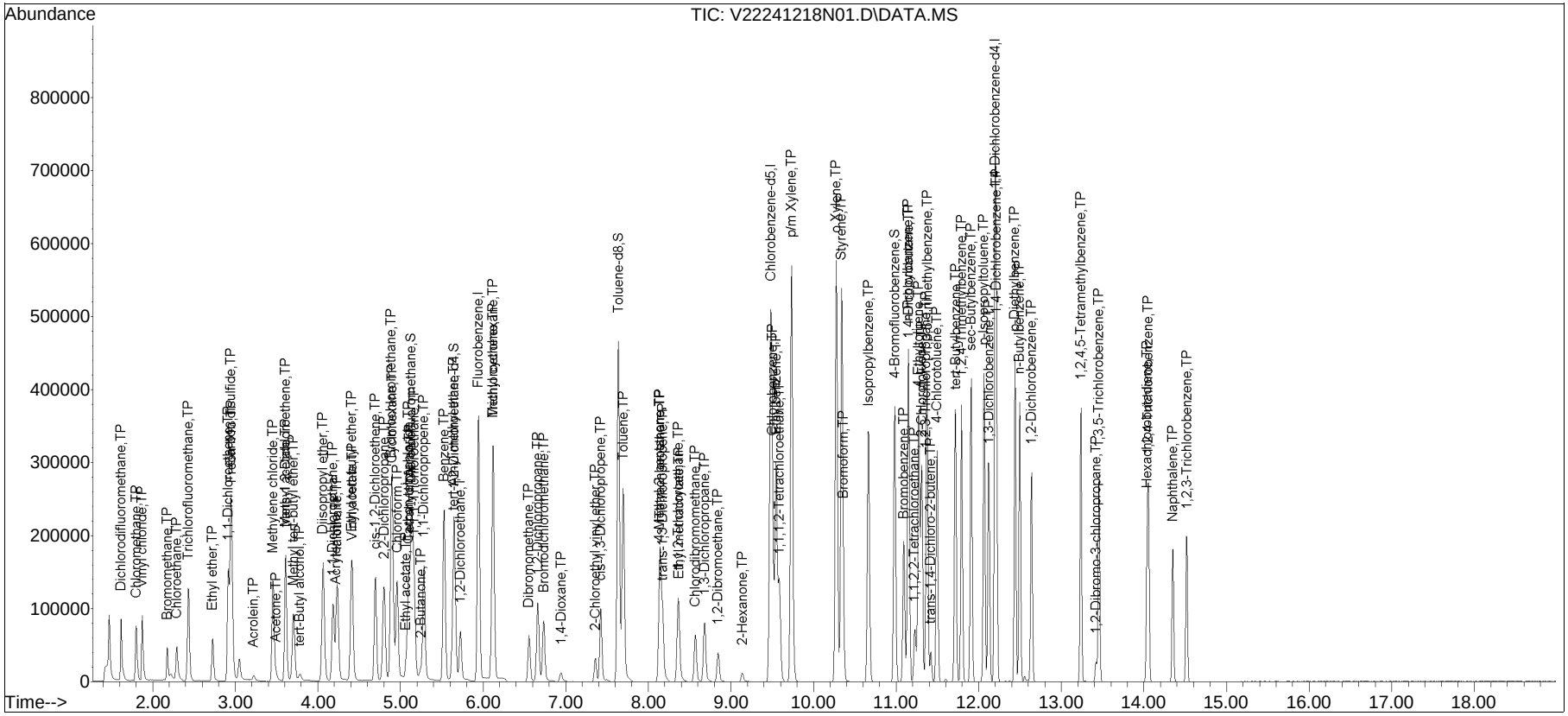
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-2
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

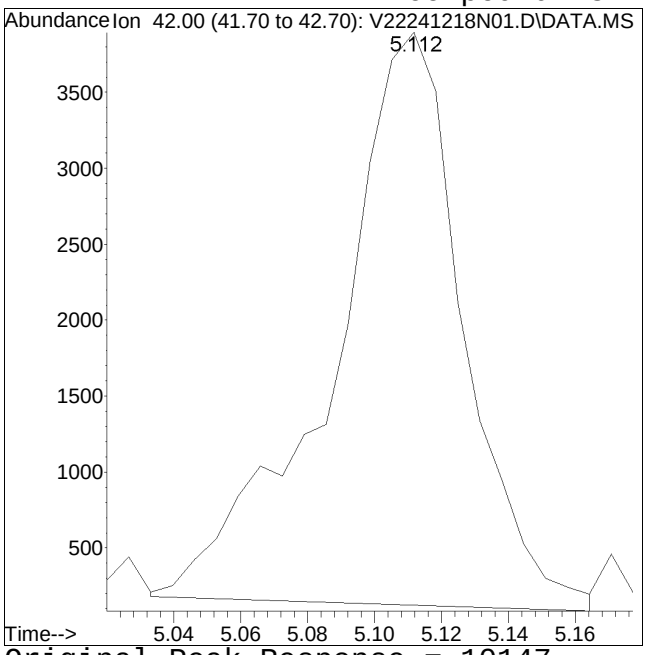
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



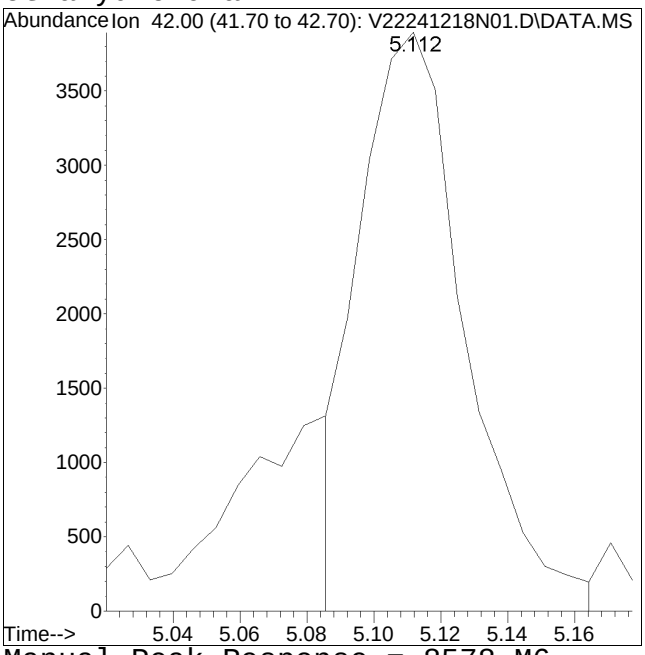
Manual Integration Report

Data Path	: K:\VOA122\2024\241218N\	QMethod	: V122_241109A_8260.m
Data File	: V22241218N01.D	Operator	: VOA122:LAC
Date Inj'd	: 12/18/2024 7:16 pm	Instrument	: VOA 122
Sample	: WG2011243-2	Quant Date	: 12/18/2024 7:48 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 10147



Manual Peak Response = 8578 M6

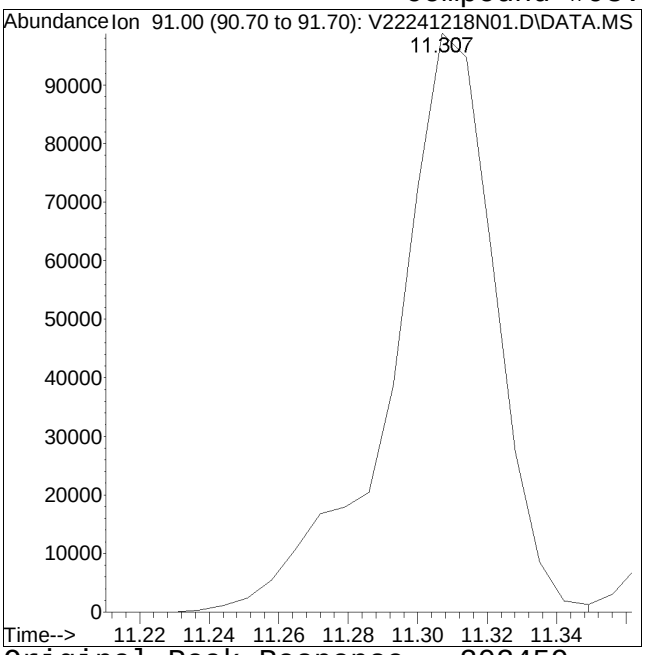
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

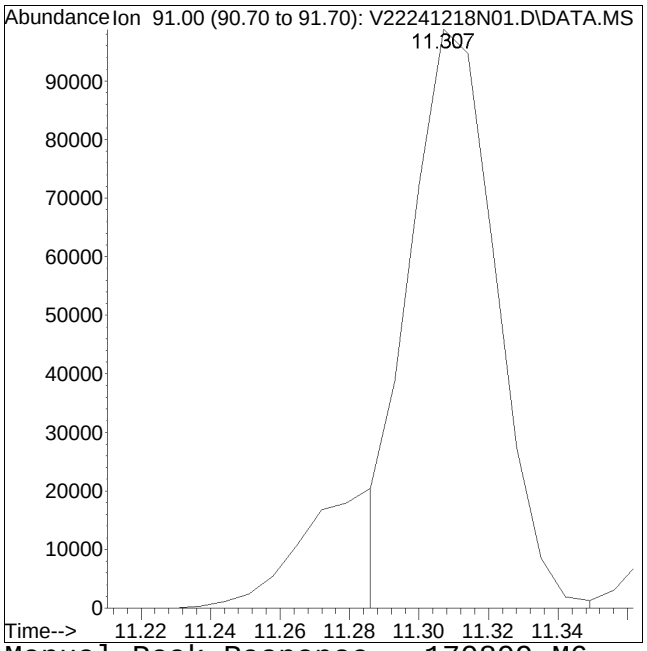
Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Date Inj'd : 12/18/2024 7:16 pm
Sample : WG2011243-2

QMethod : V122_241109A_8260.m
Operator : VOA122:LAC
Instrument : VOA 122
Quant Date : 12/18/2024 7:48 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 202459



Manual Peak Response = 170809 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TP	Dichlorodifluoromethane	0.207	0.213	-2.9	89	0.00
3	TP	Chloromethane	0.177	0.216	-22.0#	110	0.00
4	TP	Vinyl chloride	0.236	0.212	10.2	79	0.00
5	TP	Bromomethane	0.170	0.056	67.1#	30#	0.00
6	TP	Chloroethane	0.162	0.121	25.3#	68	0.00
7	TP	Trichlorofluoromethane	0.270	0.265	1.9	86	0.00
8	TP	Ethyl ether	0.059	0.063	-6.8	104	0.00
10	TP	1,1-Dichloroethene	0.142	0.154	-8.5	97	0.00
11	TP	Carbon disulfide	0.433	0.492	-13.6	102	0.00
12	TP	Freon-113	0.150	0.158	-5.3	94	0.00
14	TP	Acrolein	0.011	0.016	-45.5#	145	0.00
15	TP	Methylene chloride	0.167	0.189	-13.2	106	0.00
17	TP	Acetone	0.024	0.027	-12.5	104	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.177	-13.5	104	0.00
19	TP	Methyl acetate	0.059	0.062	-5.1	115	0.00
21	TP	Methyl tert-butyl ether	0.274	0.270	1.5	97	0.00
22	TP	tert-Butyl alcohol	0.00523	0.00585#	-11.9	107	0.00
24	TP	Diisopropyl ether	0.402	0.449	-11.7	108	0.00
25	TP	1,1-Dichloroethane	0.283	0.311	-9.9	99	0.00
26	TP	Halothane	0.122	0.132	-8.2	101	0.00
27	TP	Acrylonitrile	0.029	0.033	-13.8	108	0.00
28	TP	Ethyl tert-butyl ether	0.351	0.342	2.6	97	0.00
29	TP	Vinyl acetate	0.245	0.237	3.3	96	0.00
30	TP	cis-1,2-Dichloroethene	0.173	0.197#	-13.9	104	0.00
31	TP	2,2-Dichloropropane	0.209	0.222	-6.2	101	0.00
32	TP	Bromochloromethane	0.087	0.099#	-13.8	106	0.00
33	TP	Cyclohexane	0.269	0.267	0.7	92	0.00
34	TP	Chloroform	0.283	0.301	-6.4	99	0.00
35	TP	Ethyl acetate	0.080	0.080	0.0	104	0.00
36	TP	Carbon tetrachloride	0.229	0.226	1.3	90	0.00
37	TP	Tetrahydrofuran	0.021	0.024	-14.3	108	0.00
38	S	Dibromofluoromethane	0.341	0.356	-4.4	99	0.00
39	TP	1,1,1-Trichloroethane	0.258	0.259	-0.4	93	0.00
41	TP	2-Butanone	0.034	0.042	-23.5#	123	0.00
42	TP	1,1-Dichloropropene	0.208	0.201	3.4	90	0.00
44	TP	Benzene	0.615	0.622	-1.1	90	0.00
45	TP	tert-Amyl methyl ether	0.233	0.231	0.9	98	0.00
46	S	1,2-Dichloroethane-d4	0.211	0.207	1.9	95	-0.02

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.149	0.152	-2.0	94	0.00
50	TP	Methyl cyclohexane	0.225	0.208	7.6	87	0.00
51	TP	Trichloroethene	0.143	0.137#	4.2	94	0.00
53	TP	Dibromomethane	0.076	0.084	-10.5	102	0.00
54	TP	1,2-Dichloropropane	0.124	0.129#	-4.0	97	0.00
57	TP	Bromodichloromethane	0.172	0.180#	-4.7	99	0.00
60	TP	1,4-Dioxane	0.00060	0.00074#	-23.3#	114	0.00
61	TP	cis-1,3-Dichloropropene	0.179	0.185#	-3.4	95	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
63	S	Toluene-d8	1.261	1.256	0.4	99	0.00
64	TP	Toluene	0.415	0.439	-5.8	103	0.00
65	TP	4-Methyl-2-pentanone	0.029	0.024#	17.2	92	0.00
66	TP	Tetrachloroethene	0.190	0.198	-4.2	102	0.00
68	TP	trans-1,3-Dichloropropene	0.189	0.185#	2.1	97	0.00
70	TP	Ethyl methacrylate	0.119	0.107	10.1	87	0.00
71	TP	1,1,2-Trichloroethane	0.097	0.099#	-2.1	100	0.00
72	TP	Chlorodibromomethane	0.159	0.152#	4.4	101	0.00
73	TP	1,3-Dichloropropane	0.199	0.197	1.0	97	0.00
74	TP	1,2-Dibromoethane	0.119	0.121#	-1.7	101	0.00
76	TP	2-Hexanone	0.046	0.045	2.2	98	0.00
77	TP	Chlorobenzene	0.479	0.529	-10.4	108	0.00
78	TP	Ethylbenzene	0.825	0.891	-8.0	105	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.162	0.162	0.0	101	0.00
80	TP	p/m Xylene	0.340	0.352	-3.5	101	0.00
81	TP	o Xylene	0.324	0.334	-3.1	101	0.00
82	TP	Styrene	0.522	0.536	-2.7	100	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
84	TP	Bromoform	* 10.000	9.164	8.4	100	0.00
86	TP	Isopropylbenzene	1.547	1.714	-10.8	103	0.00
87	S	4-Bromofluorobenzene	0.816	0.827	-1.3	98	0.00
88	TP	Bromobenzene	0.363	0.403	-11.0	107	0.00
89	TP	n-Propylbenzene	1.799	1.959	-8.9	101	0.00
90	TP	1,4-Dichlorobutane	0.301	0.336	-11.6	109	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.241	0.244	-1.2	99	0.00
92	TP	4-Ethyltoluene	1.510	1.667	-10.4	103	0.00
93	TP	2-Chlorotoluene	1.024	1.112	-8.6	102	0.00
94	TP	1,3,5-Trimethylbenzene	1.315	1.408	-7.1	101	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 TP	1,2,3-Trichloropropane	0.193	0.184	4.7	94	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.061	0.054	11.5	87	0.00
97 TP	4-Chlorotoluene	1.066	1.174	-10.1	105	0.00
98 TP	tert-Butylbenzene	1.131	1.254	-10.9	104	0.00
101 TP	1,2,4-Trimethylbenzene	0.747	0.939	-25.7#	120	0.00
102 TP	sec-Butylbenzene	1.600	1.789	-11.8	104	0.00
103 TP	p-Isopropyltoluene	1.400	1.560	-11.4	103	0.00
104 TP	1,3-Dichlorobenzene	0.737	0.828	-12.3	108	0.00
105 TP	1,4-Dichlorobenzene	0.736	0.811	-10.2	107	0.00
106 TP	p-Diethylbenzene	0.808	0.901	-11.5	106	0.00
107 TP	n-Butylbenzene	1.113	1.250	-12.3	104	0.00
108 TP	1,2-Dichlorobenzene	0.657	0.738	-12.3	107	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.105	1.239	-12.1	105	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.038	0.037	2.6	97	0.00
111 TP	1,3,5-Trichlorobenzene	0.440	0.529	-20.2#	113	0.00
112 TP	Hexachlorobutadiene	0.146	0.182	-24.7#	122	0.00
113 TP	1,2,4-Trichlorobenzene	0.384	0.445	-15.9	112	0.00
114 TP	Naphthalene	0.854	0.912	-6.8	100	0.00
115 TP	1,2,3-Trichlorobenzene	0.326	0.379#	-16.3	111	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 14 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	506888	10.000	ug/L	0.00
Standard Area 1 = 506888			Recovery = 100.00%			
62) Chlorobenzene-d5	9.484	117	423029	10.000	ug/L	0.00
Standard Area 1 = 423029			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.201	152	228806	10.000	ug/L	0.00
Standard Area 1 = 228806			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	180597	10.439	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.39%			
46) 1,2-Dichloroethane-d4	5.649	65	105053	9.826	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.26%			
63) Toluene-d8	7.640	98	531380	9.963	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%			
87) 4-Bromofluorobenzene	10.984	95	189299	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	108029	10.320	ug/L	98
3) Chloromethane	1.802	50	109237	12.194	ug/L	98
4) Vinyl chloride	1.874	62	107350	8.985	ug/L	98
5) Bromomethane	2.175	94	28262	3.274	ug/L	100
6) Chloroethane	2.293	64	61572	7.520	ug/L	97
7) Trichlorofluoromethane	2.431	101	134304	9.823	ug/L	99
8) Ethyl ether	2.726	74	31827	10.575	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	78086	10.825	ug/L	95
11) Carbon disulfide	2.949	76	249560	11.381	ug/L	99
12) Freon-113	2.955	101	80127	10.563	ug/L	96
14) Acrolein	3.224	56	7888	14.435	ug/L	97
15) Methylene chloride	3.460	84	95699	11.290	ug/L	82
17) Acetone	3.493	43	13818	11.321	ug/L	95
18) trans-1,2-Dichloroethene	3.611	96	89972	11.362	ug/L	97
19) Methyl acetate	3.611	43	31651	10.671	ug/L #	89
21) Methyl tert-butyl ether	3.702	73	136892	9.856	ug/L #	88
22) tert-Butyl alcohol	3.781	59	14828	55.901	ug/L #	83
24) Diisopropyl ether	4.063	45	227560	11.160	ug/L	95
25) 1,1-Dichloroethane	4.181	63	157447	10.982	ug/L	98
26) Halothane	4.233	117	66670	10.801	ug/L	100
27) Acrylonitrile	4.220	53	16566	11.372	ug/L	95

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.410	59	173568	9.748	ug/L		94
29) Vinyl acetate	4.417	43	120026	9.663	ug/L	#	93
30) cis-1,2-Dichloroethene	4.699	96	99752	11.383	ug/L		95
31) 2,2-Dichloropropane	4.804	77	112368	10.606	ug/L		85
32) Bromochloromethane	4.889	128	50185	11.393	ug/L		92
33) Cyclohexane	4.902	56	135313	9.911	ug/L		85
34) Chloroform	4.961	83	152380	10.630	ug/L		97
35) Ethyl acetate	5.072	43	40761	10.086	ug/L		96
36) Carbon tetrachloride	5.098	117	114311	9.858	ug/L		97
37) Tetrahydrofuran	5.112	42	12128M6	11.336	ug/L		
39) 1,1,1-Trichloroethane	5.164	97	131254	10.043	ug/L		99
41) 2-Butanone	5.249	43	21254	12.258	ug/L	#	50
42) 1,1-Dichloropropene	5.282	75	101859	9.640	ug/L		99
44) Benzene	5.531	78	315134	10.105	ug/L		95
45) tert-Amyl methyl ether	5.642	73	116935	9.903	ug/L	#	85
47) 1,2-Dichloroethane	5.728	62	77117	10.179	ug/L		100
50) Methyl cyclohexane	6.121	83	105219	9.205	ug/L		87
51) Trichloroethene	6.121	95	69196	9.534	ug/L		98
53) Dibromomethane	6.556	93	42548	11.012	ug/L	#	85
54) 1,2-Dichloropropane	6.660	63	65518	10.452	ug/L		98
57) Bromodichloromethane	6.736	83	91249	10.481	ug/L		96
60) 1,4-Dioxane	6.945	88	18766	621.716	ug/L	#	82
61) cis-1,3-Dichloropropene	7.425	75	93567	10.322	ug/L	#	90
64) Toluene	7.696	92	185909	10.595	ug/L		99
65) 4-Methyl-2-pentanone	8.127	58	10302	8.534	ug/L	#	75
66) Tetrachloroethene	8.147	166	83657	10.403	ug/L		96
68) trans-1,3-Dichloropropene	8.175	75	78109	9.750	ug/L		92
70) Ethyl methacrylate	8.370	69	45167	8.943	ug/L		82
71) 1,1,2-Trichloroethane	8.356	83	41774	10.203	ug/L		97
72) Chlorodibromomethane	8.572	129	64489	9.566	ug/L		99
73) 1,3-Dichloropropane	8.684	76	83247	9.865	ug/L		100
74) 1,2-Dibromoethane	8.845	107	51218	10.169	ug/L		99
76) 2-Hexanone	9.140	43	19014	9.685	ug/L		89
77) Chlorobenzene	9.505	112	223855	11.046	ug/L	#	87
78) Ethylbenzene	9.547	91	377026	10.805	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.589	131	68698	10.010	ug/L		97
80) p/m Xylene	9.736	106	297885	20.694	ug/L		98
81) o Xylene	10.276	106	282258	20.569	ug/L		99
82) Styrene	10.346	104	453170	20.540	ug/L		97
84) Bromoform	10.360	173	34305	9.164	ug/L		100

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) Isopropylbenzene	10.662	105	392071	11.076	ug/L		99
88) Bromobenzene	11.096	156	92210	11.101	ug/L		99
89) n-Propylbenzene	11.146	91	448288	10.891	ug/L		100
90) 1,4-Dichlorobutane	11.153	55	76768	11.131	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.230	83	55822	10.129	ug/L		99
92) 4-Ethyltoluene	11.279	105	381383	11.036	ug/L		99
93) 2-Chlorotoluene	11.307	91	254522M6	10.868	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	322200	10.713	ug/L		99
95) 1,2,3-Trichloropropane	11.363	75	42022	9.526	ug/L		96
96) trans-1,4-Dichloro-2-b...	11.419	53	12252	8.833	ug/L	#	76
97) 4-Chlorotoluene	11.496	91	268645	11.011	ug/L		97
98) tert-Butylbenzene	11.714	119	286964	11.092	ug/L		98
101) 1,2,4-Trimethylbenzene	11.791	105	214837	12.573	ug/L		99
102) sec-Butylbenzene	11.909	105	409244	11.178	ug/L		100
103) p-Isopropyltoluene	12.062	119	356946	11.142	ug/L		99
104) 1,3-Dichlorobenzene	12.125	146	189409	11.240	ug/L		98
105) 1,4-Dichlorobenzene	12.215	146	185564	11.020	ug/L		98
106) p-Diethylbenzene	12.438	119	206179	11.149	ug/L		99
107) n-Butylbenzene	12.501	91	286018	11.228	ug/L		99
108) 1,2-Dichlorobenzene	12.640	146	168895	11.233	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.239	119	283425	11.208	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.420	155	8432	9.819	ug/L		94
111) 1,3,5-Trichlorobenzene	13.454	180	120927	12.023	ug/L		98
112) Hexachlorobutadiene	14.039	225	41576	12.414	ug/L		98
113) 1,2,4-Trichlorobenzene	14.053	180	101933	11.602	ug/L		99
114) Naphthalene	14.352	128	208654	10.680	ug/L		100
115) 1,2,3-Trichlorobenzene	14.519	180	86704	11.625	ug/L		99

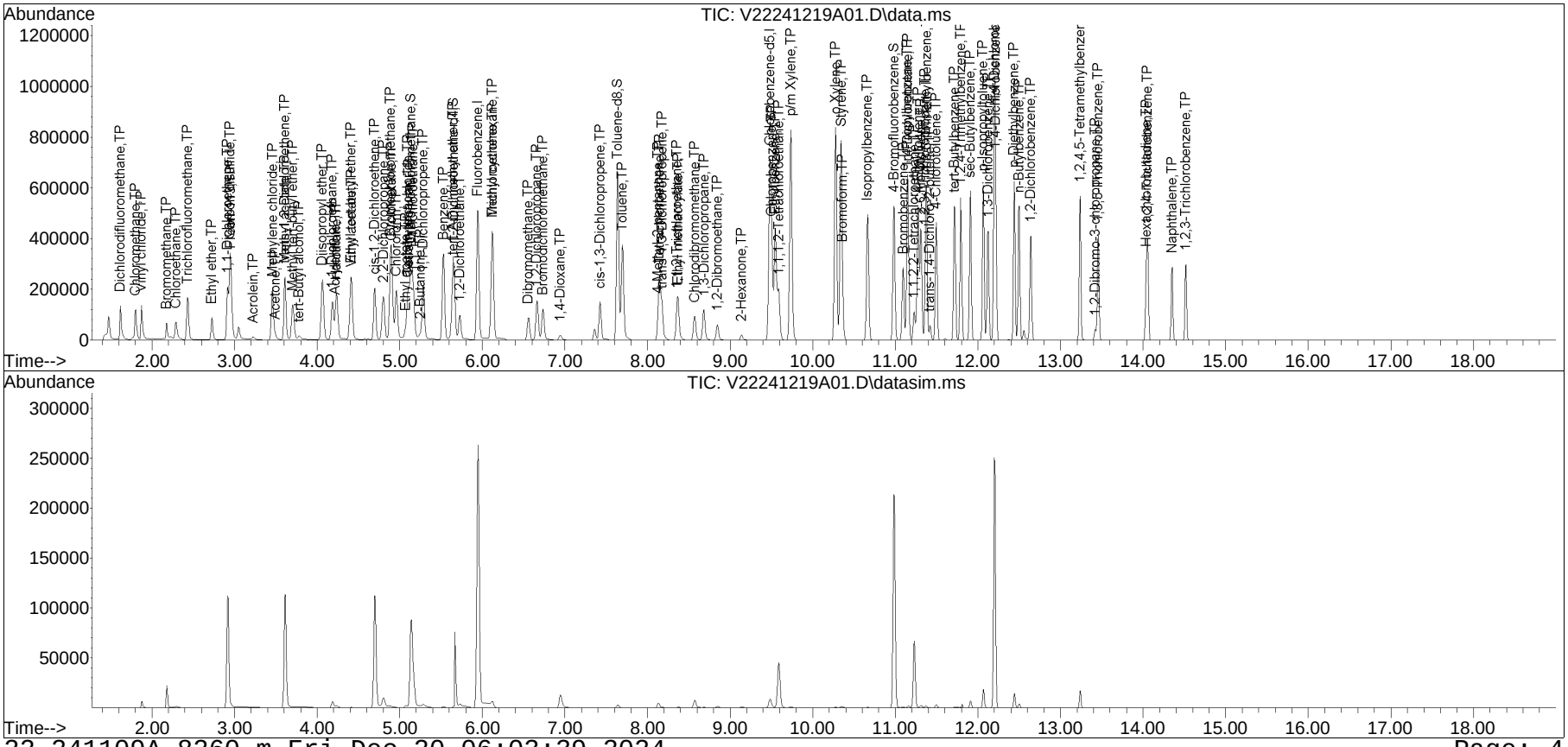
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

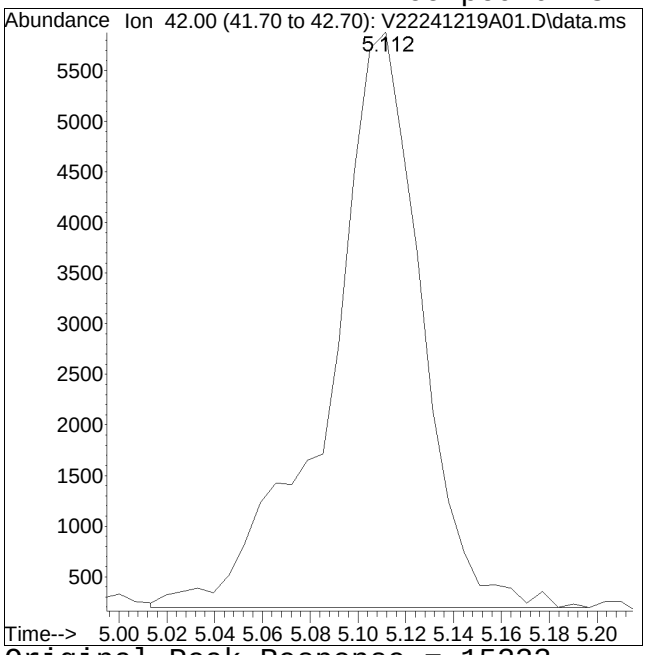
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



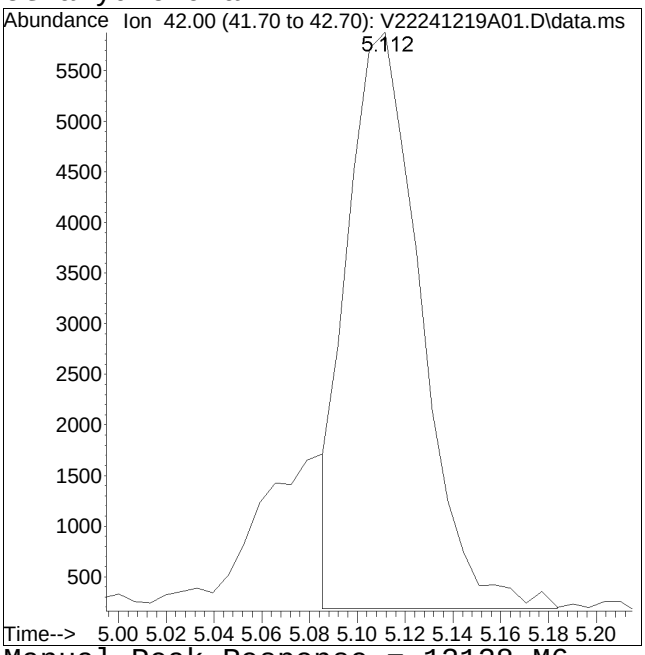
Manual Integration Report

Data Path	: K:\VOA122\2024\241219A\	QMethod	: V122_241109A_8260.m
Data File	: V22241219A01.D	Operator	: VOA122:PID
Date Inj'd	: 12/19/2024 7:38 am	Instrument	: VOA 122
Sample	: WG2011630-2	Quant Date	: 12/19/2024 8:04 am

Compound #37: Tetrahydrofuran



Original Peak Response = 15233



Manual Peak Response = 12128 M6

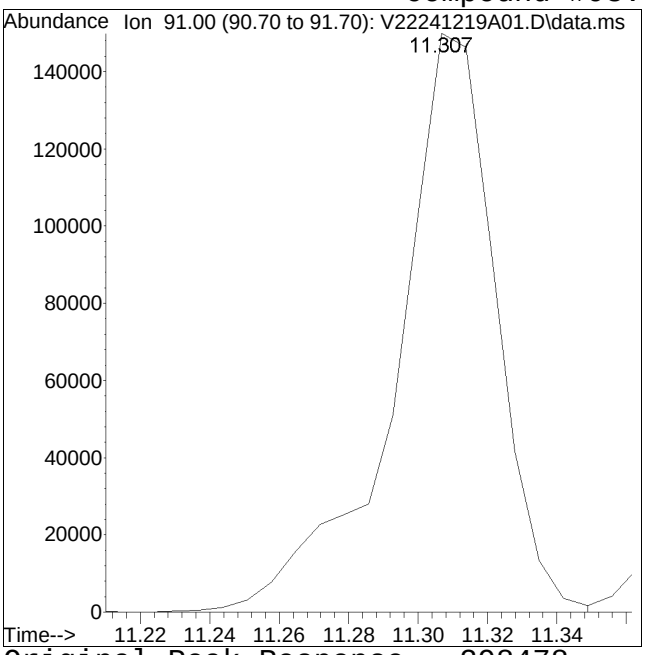
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

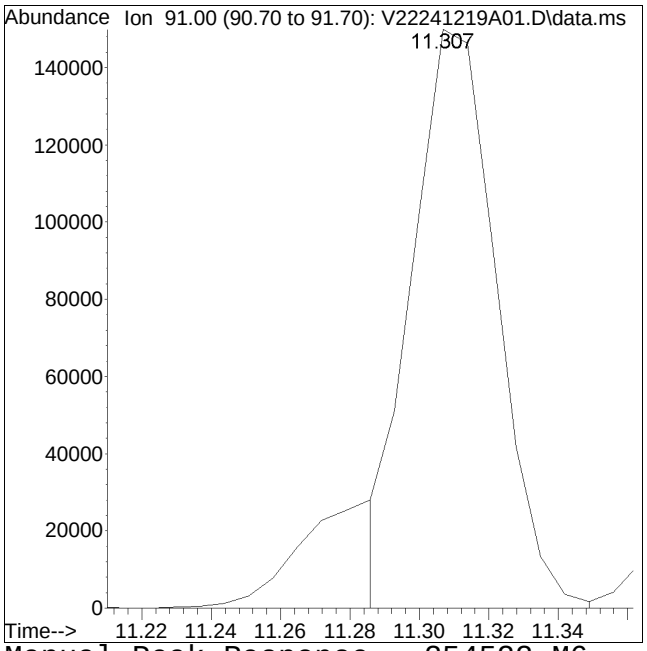
Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Date Inj'd : 12/19/2024 7:38 am
Sample : WG2011630-2

QMethod : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/19/2024 8:04 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 298478



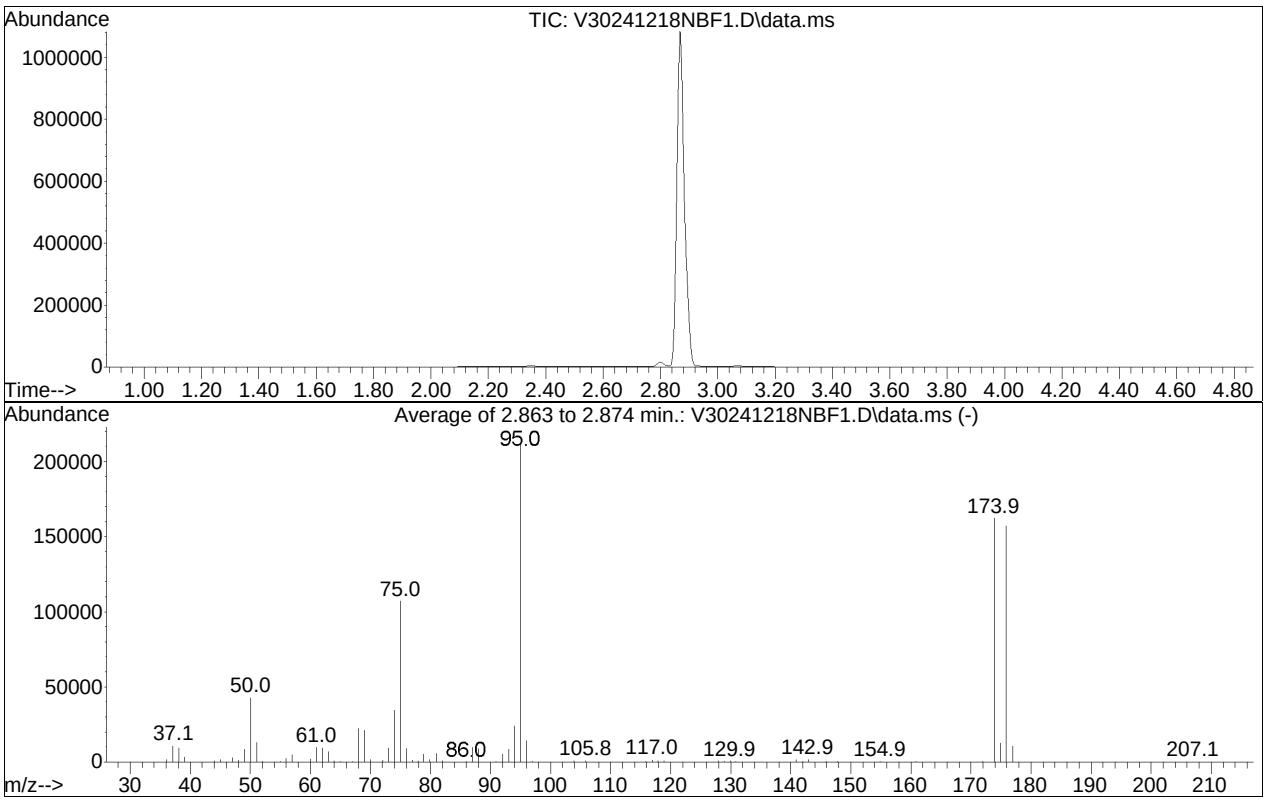
Manual Peak Response = 254522 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218NBF1.D
Acq On : 18 Dec 2024 05:16 pm
Operator : VOA130:LAC
Sample : WG2011328-1
Misc : WG2011328,ICAL21702
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024



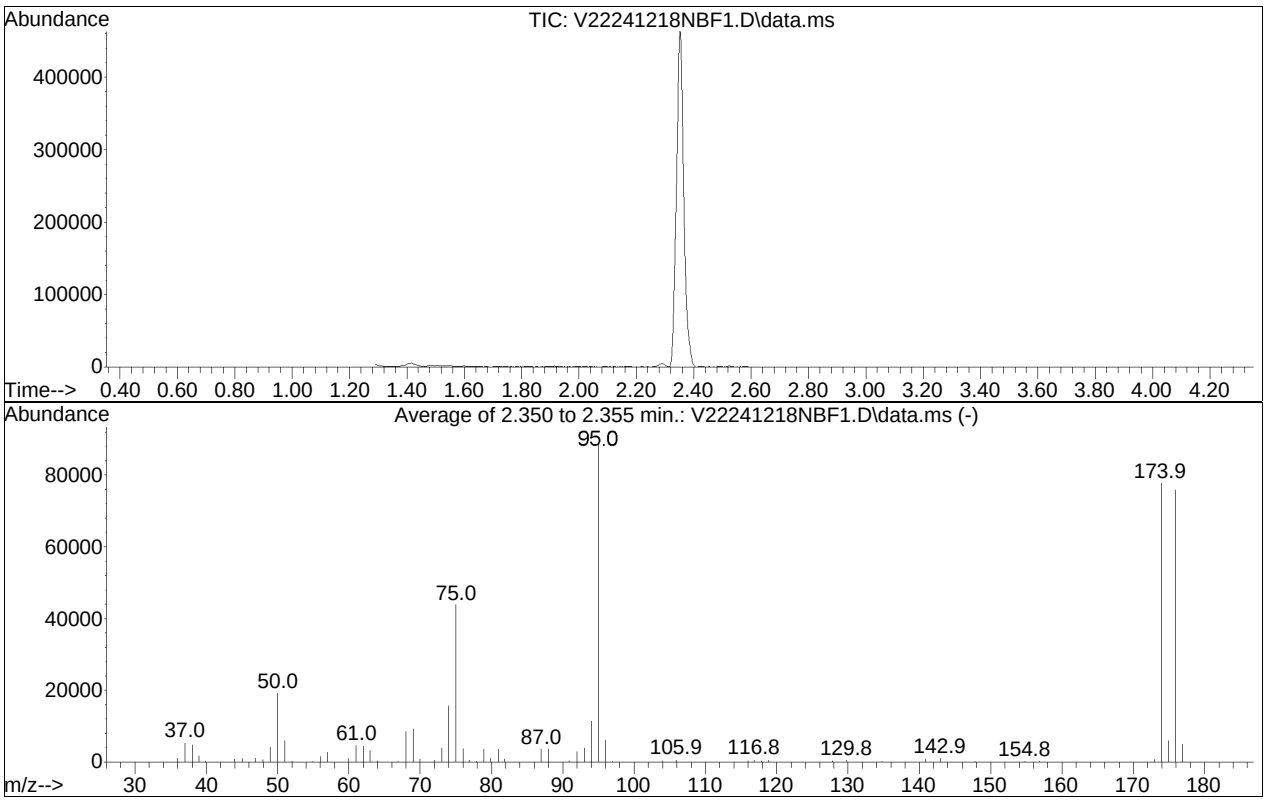
Spectrum Information: Average of 2.863 to 2.874 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	42787	PASS
75	95	30	60	50.3	106968	PASS
95	95	100	100	100.0	212544	PASS
96	95	5	9	6.8	14456	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.4	162453	PASS
175	174	5	9	7.9	12823	PASS
176	174	95	101	96.7	157141	PASS
177	176	5	9	6.8	10739	PASS

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218NBF1.D
Acq On : 18 Dec 2024 06:58 pm
Operator : VOA122:LAC
Sample : WG2011243-1
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024



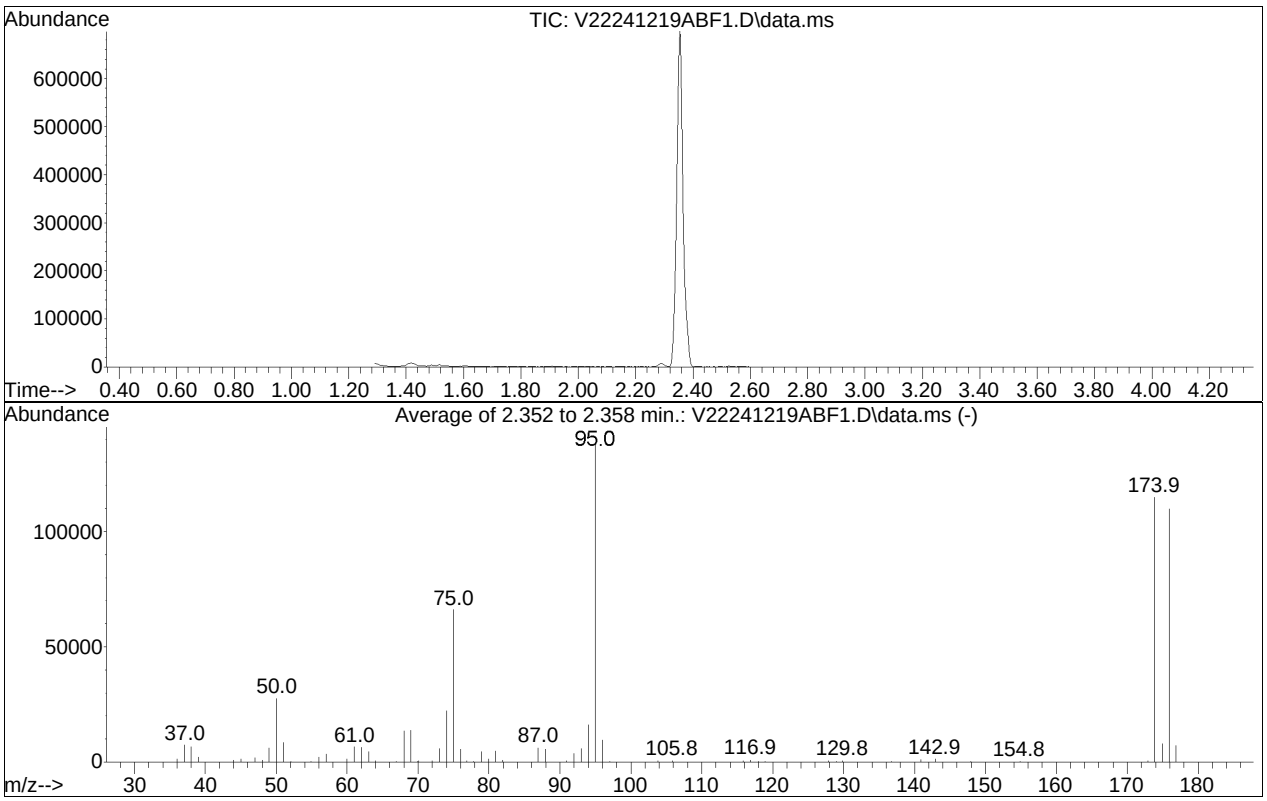
Spectrum Information: Average of 2.350 to 2.355 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	19267	PASS
75	95	30	60	49.2	43811	PASS
95	95	100	100	100.0	89045	PASS
96	95	5	9	6.9	6183	PASS
173	174	0.00	2	1.0	809	PASS
174	95	50	100	87.3	77768	PASS
175	174	5	9	7.5	5866	PASS
176	174	95	101	97.5	75792	PASS
177	176	5	9	6.6	5016	PASS

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219ABF1.D
Acq On : 19 Dec 2024 07:25 am
Operator : VOA122:PID
Sample : WG2011630-1
Misc : WG2011630,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 11 12:28:19 2024



Spectrum Information: Average of 2.352 to 2.358 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	27595	PASS
75	95	30	60	47.7	66080	PASS
95	95	100	100	100.0	138557	PASS
96	95	5	9	7.0	9648	PASS
173	174	0.00	2	0.5	595	PASS
174	95	50	100	82.9	114909	PASS
175	174	5	9	7.1	8118	PASS
176	174	95	101	95.7	109971	PASS
177	176	5	9	6.6	7274	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N06.D
Acq On : 18 Dec 2024 07:22 pm
Operator : VOA130:LAC
Sample : WG2011328-5,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 19:47:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.089	96	421015	10.000 ug/L	0.00
Standard Area 1 = 523400			Recovery = 80.44%		
63) Chlorobenzene-d5	9.633	117	381224	10.000 ug/L	0.00
Standard Area 1 = 431183			Recovery = 88.41%		
84) 1,4-Dichlorobenzene-d4	12.323	152	244254	10.000 ug/L	0.00
Standard Area 1 = 274323			Recovery = 89.04%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.271	113	173004	11.954 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.54%		
47) 1,2-Dichloroethane-d4	5.795	65	158725	10.953 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.53%		
64) Toluene-d8	7.788	98	486907	9.521 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.21%		
88) 4-Bromofluorobenzene	11.117	95	215445	10.213 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.13%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.491	85	208	N.D.	
3) Chloromethane	1.863	50	332	N.D.	
4) Vinyl chloride	1.942	62	329	N.D.	
5) Bromomethane	2.261	94	323	N.D.	
6) Chloroethane	2.372	64	48	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	3.011	96	117	N.D.	
11) Carbon disulfide	3.043	76	5603	0.212 ug/L	93
15) Methylene chloride	3.577	84	1365	0.126 ug/L	84
17) Acetone	3.614	43	1260	Below Cal #	50
18) trans-1,2-Dichloroethene	3.724	96	382	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.547	43	54	N.D.	
30) cis-1,2-Dichloroethene	4.825	96	117	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N06.D
Acq On : 18 Dec 2024 07:22 pm
Operator : VOA130:LAC
Sample : WG2011328-5,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 19:47:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.386	43	4380	2.215	ug/L #	87
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	5.669	78	71	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
52) Trichloroethene	6.215	95	54	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.840	92	56	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	8.296	166	52	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.203	43	49	N.D.		
78) Chlorobenzene	9.659	112	480	N.D.		
79) Ethylbenzene	9.707	91	443	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	9.885	106	103	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	10.519	104	245	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	10.808	105	138	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.290	91	733	N.D.		
92) 1,1,2,2-Tetrachloroethane	11.285	83	51	N.D.		
93) 4-Ethyltoluene	11.405	105	233	N.D.		
94) 2-Chlorotoluene	11.463	91	101	N.D.		
95) 1,3,5-Trimethylbenzene	11.405	105	233	N.D.		
96) 1,2,3-Trichloropropane	0.000		0	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	11.626	91	258	N.D.		
99) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N06.D
Acq On : 18 Dec 2024 07:22 pm
Operator : VOA130:LAC
Sample : WG2011328-5,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 19:47:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.919	105	50	N.D.		
103) sec-Butylbenzene	12.040	105	142	N.D.		
104) p-Isopropyltoluene	12.181	119	155	N.D.		
105) 1,3-Dichlorobenzene	12.250	146	383	N.D.		
106) 1,4-Dichlorobenzene	12.339	146	684	N.D.		
107) p-Diethylbenzene	0.000		0	N.D.		
108) n-Butylbenzene	12.617	91	391	N.D.		
109) 1,2-Dichlorobenzene	12.774	146	74	N.D.		
110) 1,2,4,5-Tetramethylben...	13.345	119	64	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	14.137	225	161	N.D.		
114) 1,2,4-Trichlorobenzene	14.179	180	132	N.D.		
115) Naphthalene	14.467	128	2283	0.078	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	305	N.D.		

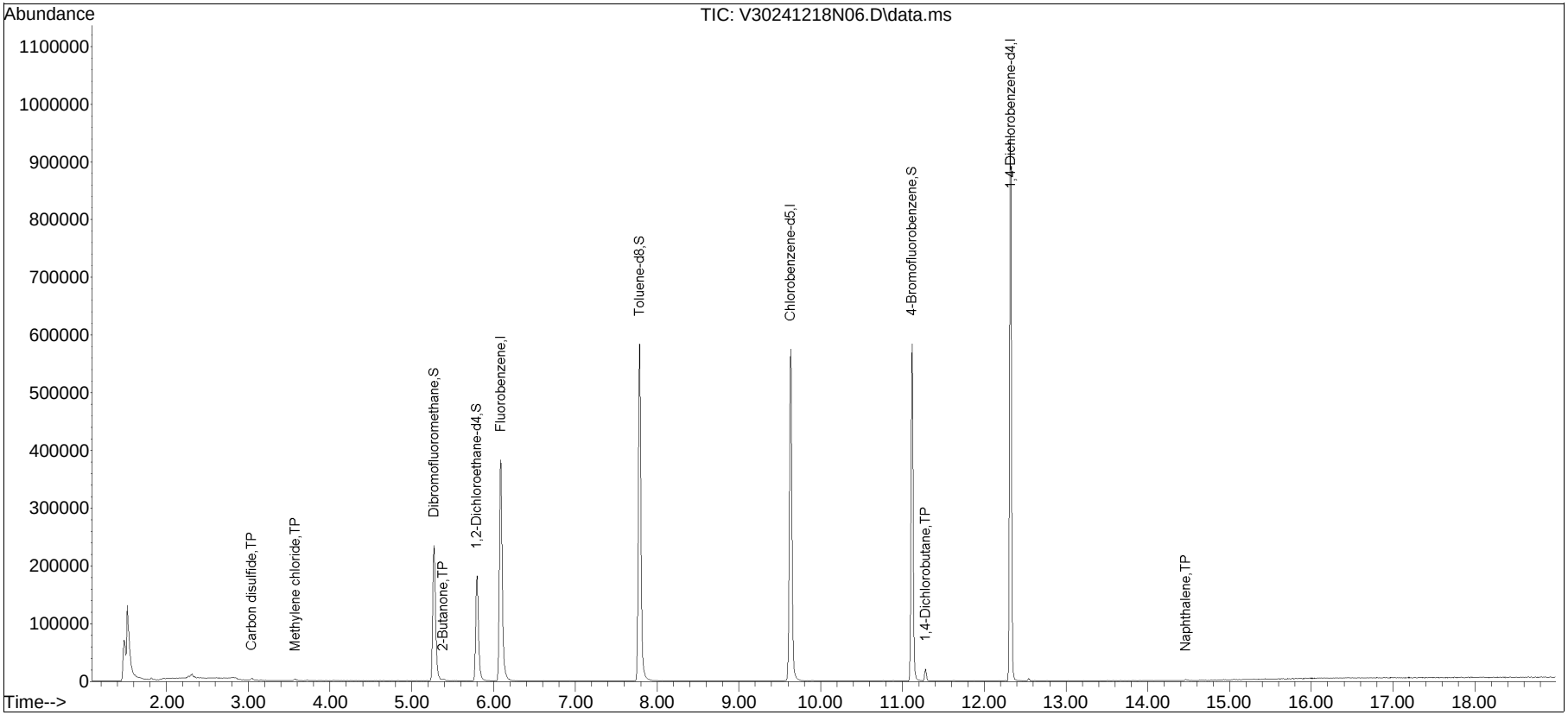
(#) = qualifier out of range (m) = manual integration (+) = signals summed

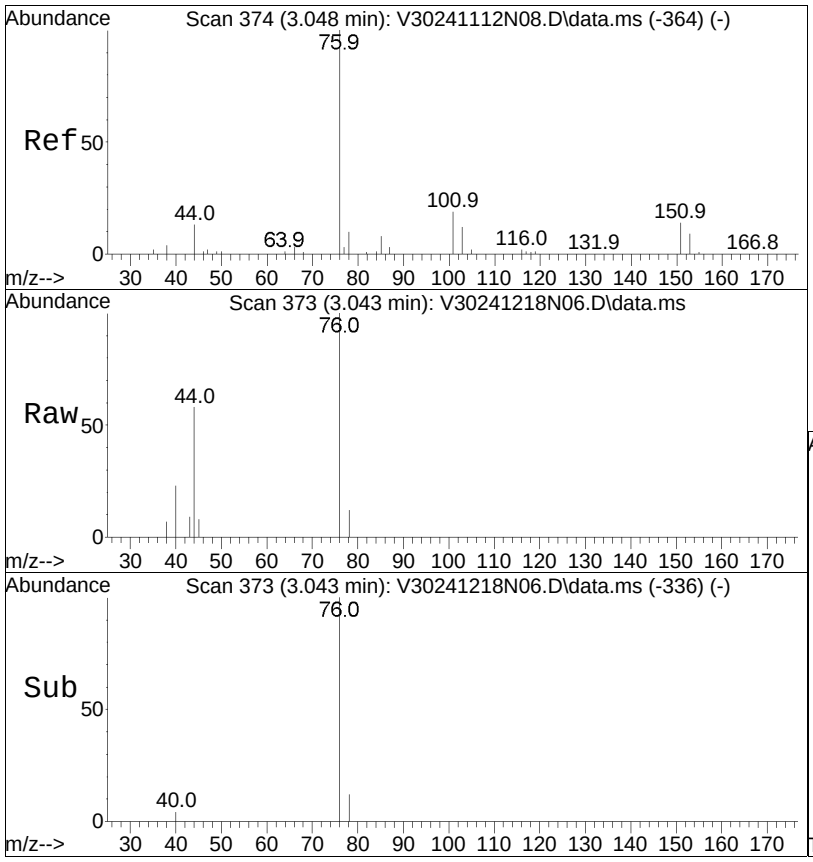
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N06.D
Acq On : 18 Dec 2024 07:22 pm
Operator : VOA130:LAC
Sample : WG2011328-5,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 19:47:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

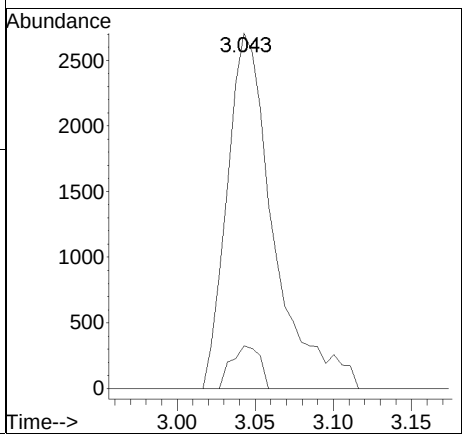


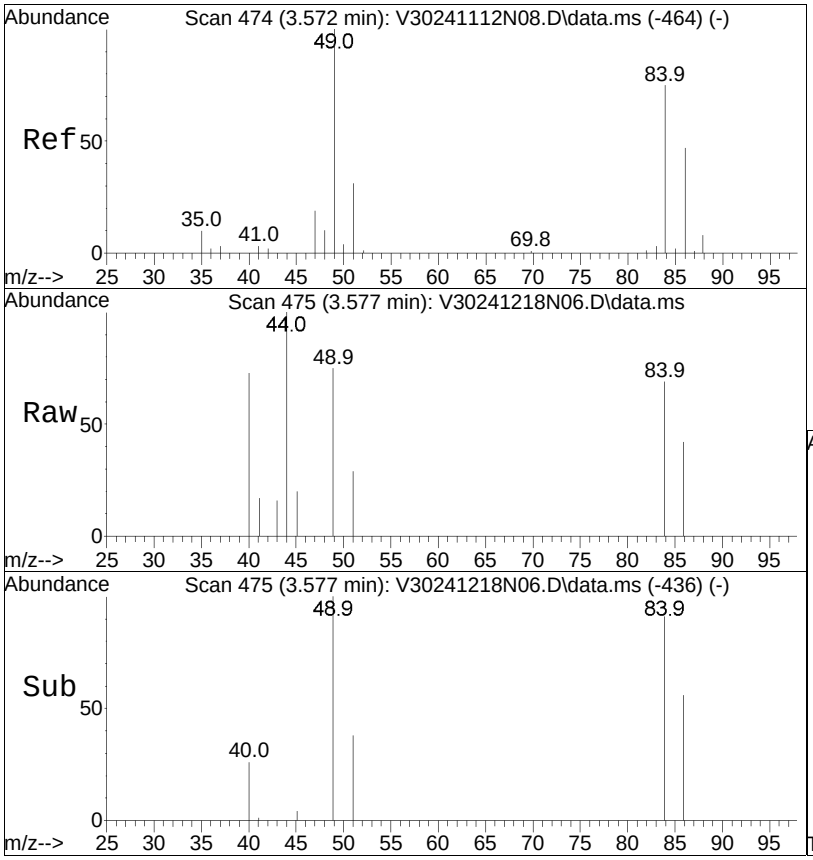


#11
Carbon disulfide
Concen: 0.21 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N06.D
Acq: 18 Dec 2024 07:22 pm

Tgt Ion: 76 Resp: 5603

Ion	Ratio	Lower	Upper
76	100		
78	7.4	6.4	13.4

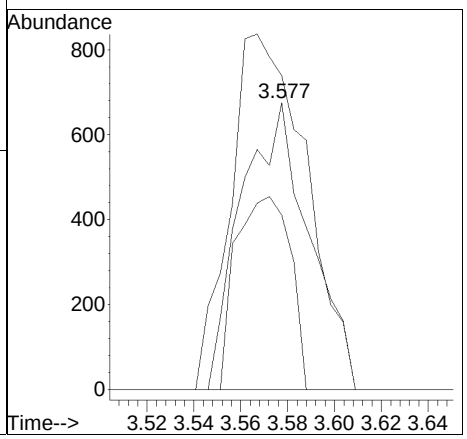


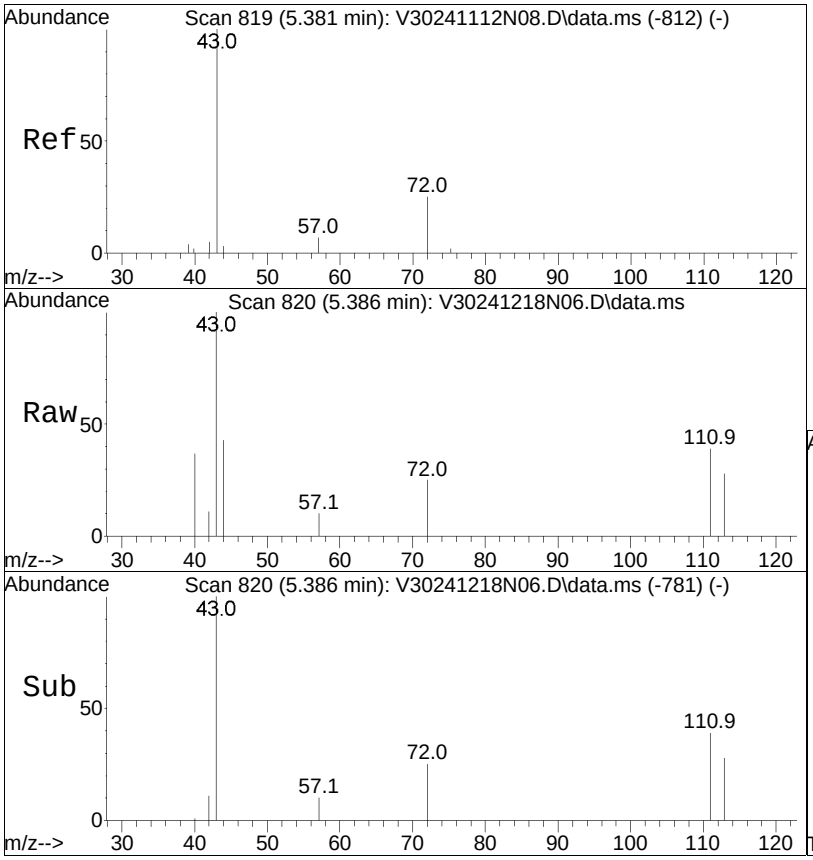


#15
Methylene chloride
Concen: 0.13 ug/L
RT: 3.577 min Scan# 475
Delta R.T. 0.005 min
Lab File: V30241218N06.D
Acq: 18 Dec 2024 07:22 pm

Tgt Ion: 84 Resp: 1365

Ion	Ratio	Lower	Upper
84	100		
86	53.8	41.7	86.5
49	137.7	103.9	215.9

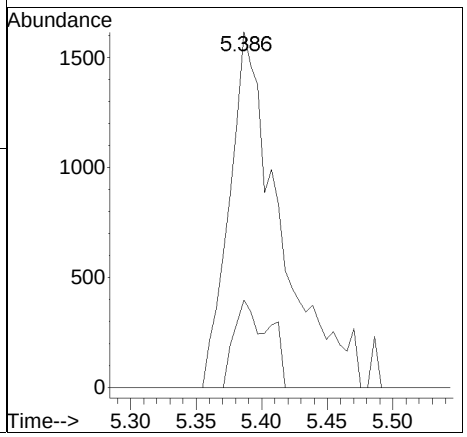


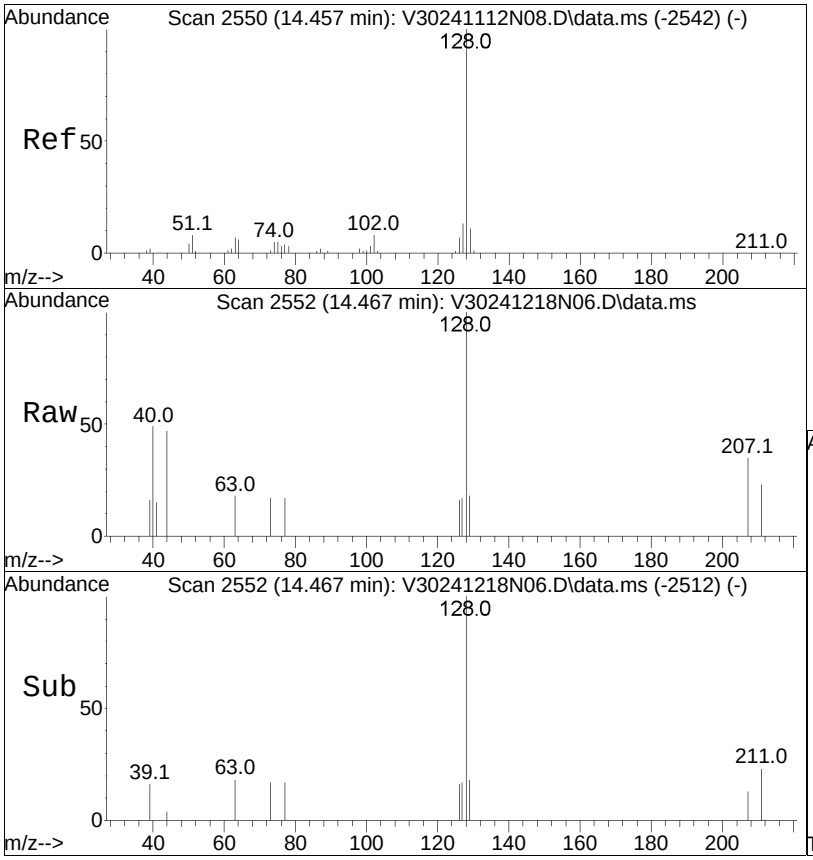


#42
2-Butanone
Concen: 2.21 ug/L
RT: 5.386 min Scan# 820
Delta R.T. 0.005 min
Lab File: V30241218N06.D
Acq: 18 Dec 2024 07:22 pm

Tgt Ion: 43 Resp: 4380

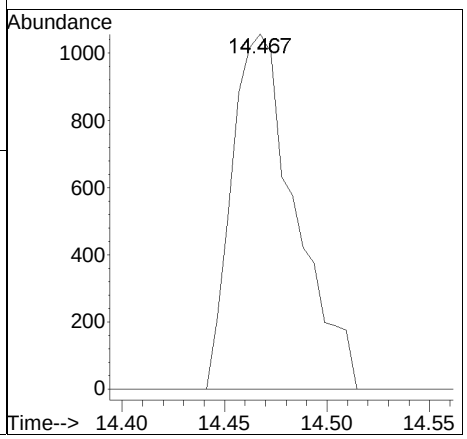
Ion	Ratio	Lower	Upper
43	100		
72	16.6	18.2	27.4#





#115
Naphthalene
Concen: 0.08 ug/L
RT: 14.467 min Scan# 2552
Delta R.T. 0.010 min
Lab File: V30241218N06.D
Acq: 18 Dec 2024 07:22 pm

Tgt Ion:128 Resp: 2283



Manual Integration Report

Data Path	: K:\VOA130\2024\241218N\	QMethod	: V130_241112N_8260D.m
Data File	: V30241218N06.D	Operator	: VOA130:LAC
Date Inj'd	: 12/18/2024 7:22 pm	Instrument	: VOA130
Sample	: WG2011328-5,31,10,10	Quant Date	: 12/18/2024 7:47 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N05.D
Acq On : 18 Dec 2024 08:54 pm
Operator : VOA122:LAC
Sample : WG2011243-5,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 21:19:43 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	375697	10.000	ug/L	0.00
Standard Area 1 = 358970			Recovery = 104.66%			
62) Chlorobenzene-d5	9.483	117	309810	10.000	ug/L	0.00
Standard Area 1 = 300527			Recovery = 103.09%			
83) 1,4-Dichlorobenzene-d4	12.201	152	158401	10.000	ug/L	0.00
Standard Area 1 = 166973			Recovery = 94.87%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	135373	10.557	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.57%			
46) 1,2-Dichloroethane-d4	5.649	65	79752	10.065	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.65%			
63) Toluene-d8	7.640	98	391591	10.025	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.25%			
87) 4-Bromofluorobenzene	10.984	95	130442	10.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.175	94	59	N.D.		
6) Chloroethane	2.215	64	230	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.942	76	318	N.D.		
15) Methylene chloride	3.453	84	629	0.100	ug/L #	65
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N05.D
Acq On : 18 Dec 2024 08:54 pm
Operator : VOA122:LAC
Sample : WG2011243-5,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 21:19:43 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	5.256	43	2485	1.934	ug/L #	43
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	6.055	95	230	N.D.		
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.476	91	527	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.984	91	359	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N05.D
Acq On : 18 Dec 2024 08:54 pm
Operator : VOA122:LAC
Sample : WG2011243-5,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 21:19:43 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	12.208	146	68		N.D.	
105) 1,4-Dichlorobenzene	12.208	146	68		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	14.352	128	88		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

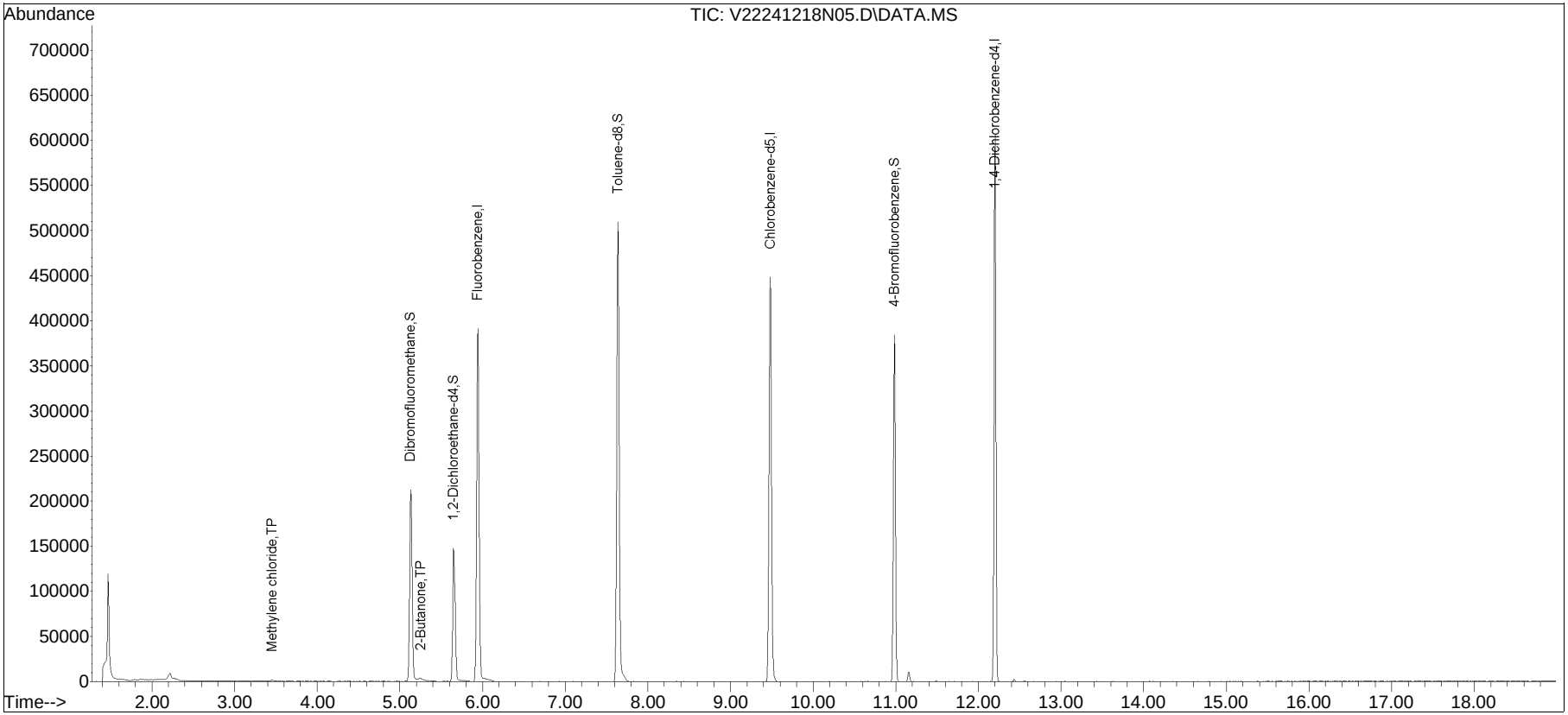
(#) = qualifier out of range (m) = manual integration (+) = signals summed

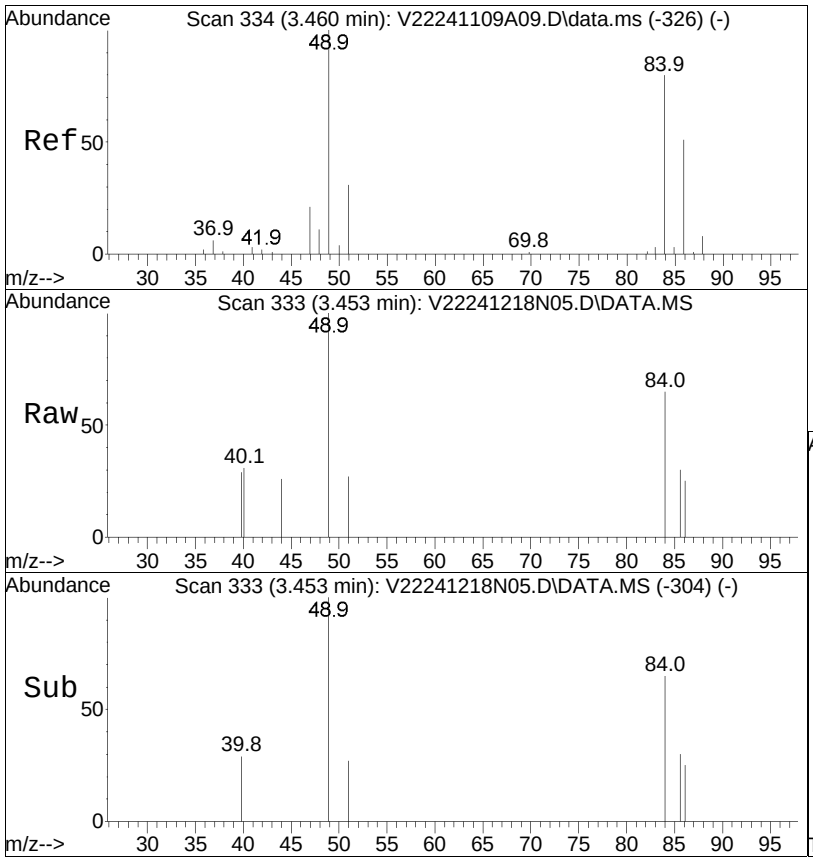
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N05.D
Acq On : 18 Dec 2024 08:54 pm
Operator : VOA122:LAC
Sample : WG2011243-5,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 21:19:43 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

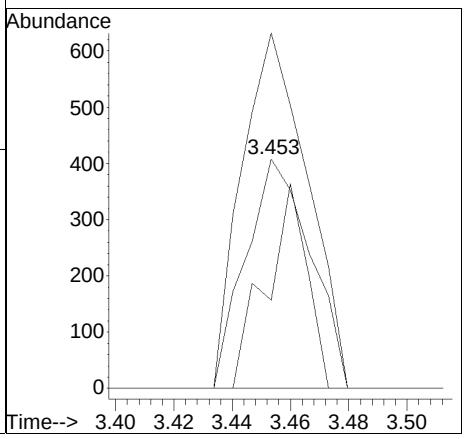


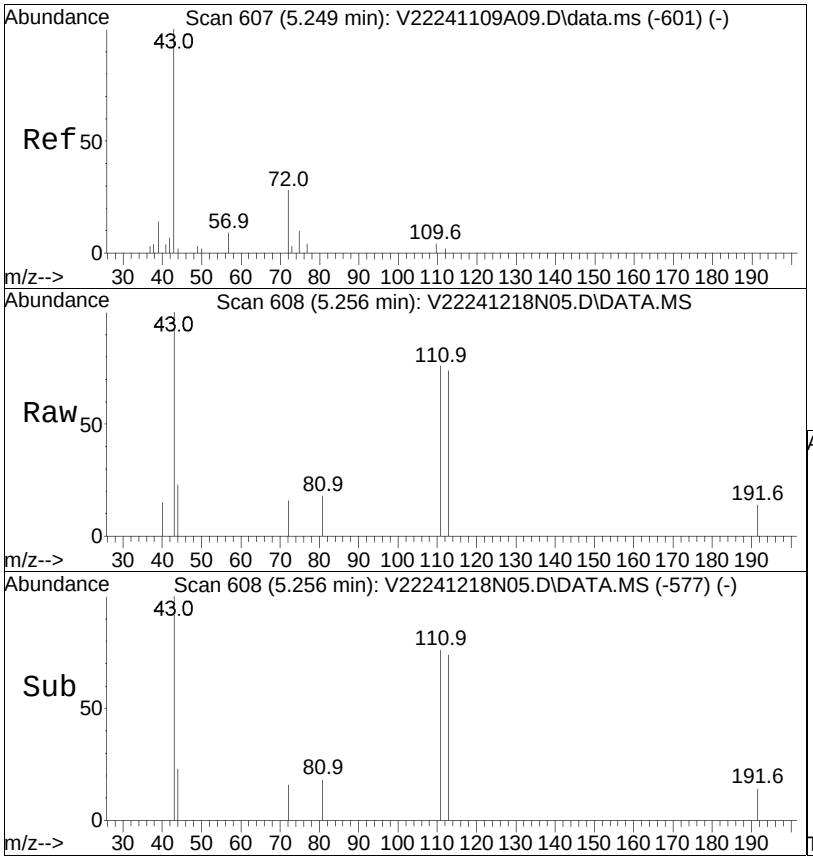


#15
Methylene chloride
Concen: 0.10 ug/L
RT: 3.453 min Scan# 333
Delta R.T. -0.007 min
Lab File: V22241218N05.D
Acq: 18 Dec 2024 08:54 pm

Tgt Ion: 84 Resp: 629

Ion	Ratio	Lower	Upper
84	100		
86	56.6	41.5	86.3
49	157.4	68.8	143.0#

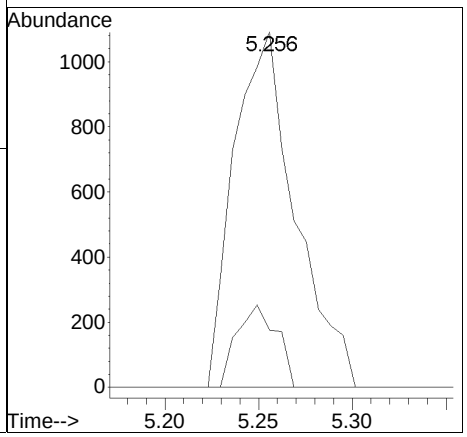




#41
2-Butanone
Concen: 1.93 ug/L
RT: 5.256 min Scan# 608
Delta R.T. 0.006 min
Lab File: V22241218N05.D
Acq: 18 Dec 2024 08:54 pm

Tgt Ion: 43 Resp: 2485

Ion	Ratio	Lower	Upper
43	100		
72	15.1	45.8	68.8#



Manual Integration Report

Data Path	: K:\VOA122\2024\241218N\	QMethod	: V122_241109A_8260.m
Data File	: V22241218N05.D	Operator	: VOA122:LAC
Date Inj'd	: 12/18/2024 8:54 pm	Instrument	: VOA 122
Sample	: WG2011243-5,31,10,10	Quant Date	: 12/18/2024 9:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A05.D
Acq On : 19 Dec 2024 09:16 am
Operator : VOA122:PID
Sample : WG2011630-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 12:11:20 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	490622	10.000	ug/L	0.00
Standard Area 1 = 506888			Recovery = 96.79%			
62) Chlorobenzene-d5	9.484	117	408489	10.000	ug/L	0.00
Standard Area 1 = 423029			Recovery = 96.56%			
83) 1,4-Dichlorobenzene-d4	12.202	152	212486	10.000	ug/L	0.00
Standard Area 1 = 228806			Recovery = 92.87%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	174988	10.450	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.50%			
46) 1,2-Dichloroethane-d4	5.649	65	103589	10.011	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.11%			
63) Toluene-d8	7.640	98	514278	9.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.86%			
87) 4-Bromofluorobenzene	10.984	95	177485	10.232	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.795	50	209	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.175	94	123	N.D.		
6) Chloroethane	2.274	64	315	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.942	76	463	N.D.		
15) Methylene chloride	3.460	84	66	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A05.D
Acq On : 19 Dec 2024 09:16 am
Operator : VOA122:PID
Sample : WG2011630-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 12:11:20 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	5.249	43	3271	1.949	ug/L	#	44
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	0.000		0	N.D.			
47) 1,2-Dichloroethane	0.000		0	N.D.			
51) Trichloroethene	0.000		0	N.D.			
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	0.000		0	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	0.000		0	N.D.			
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.484	91	733	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.977	91	477	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	0.000		0	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A05.D
Acq On : 19 Dec 2024 09:16 am
Operator : VOA122:PID
Sample : WG2011630-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 12:11:20 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	12.216	146	77		N.D.	
105) 1,4-Dichlorobenzene	12.216	146	77		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	14.039	225	84		N.D.	
113) 1,2,4-Trichlorobenzene	14.053	180	69		N.D.	
114) Naphthalene	14.353	128	245		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

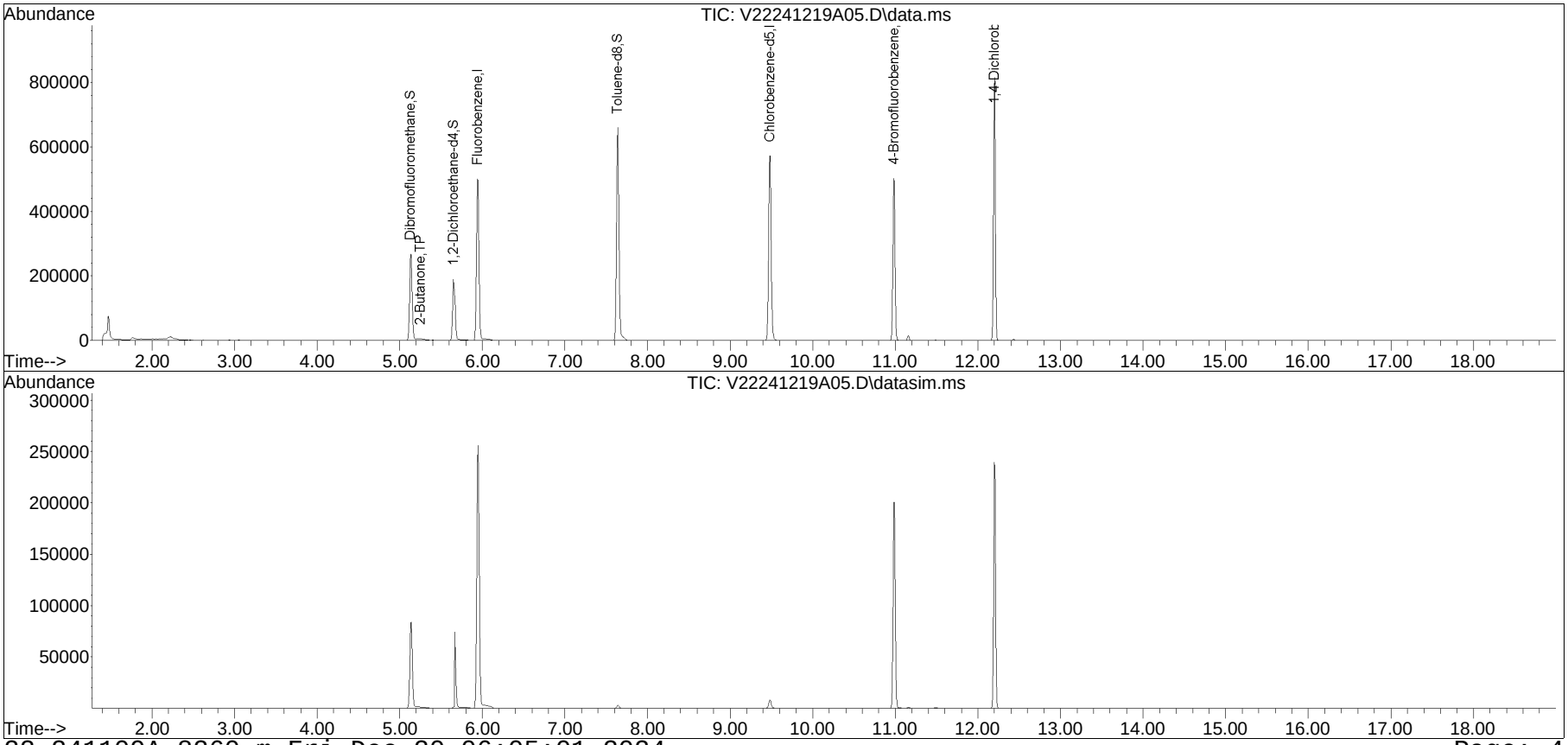
(#) = qualifier out of range (m) = manual integration (+) = signals summed

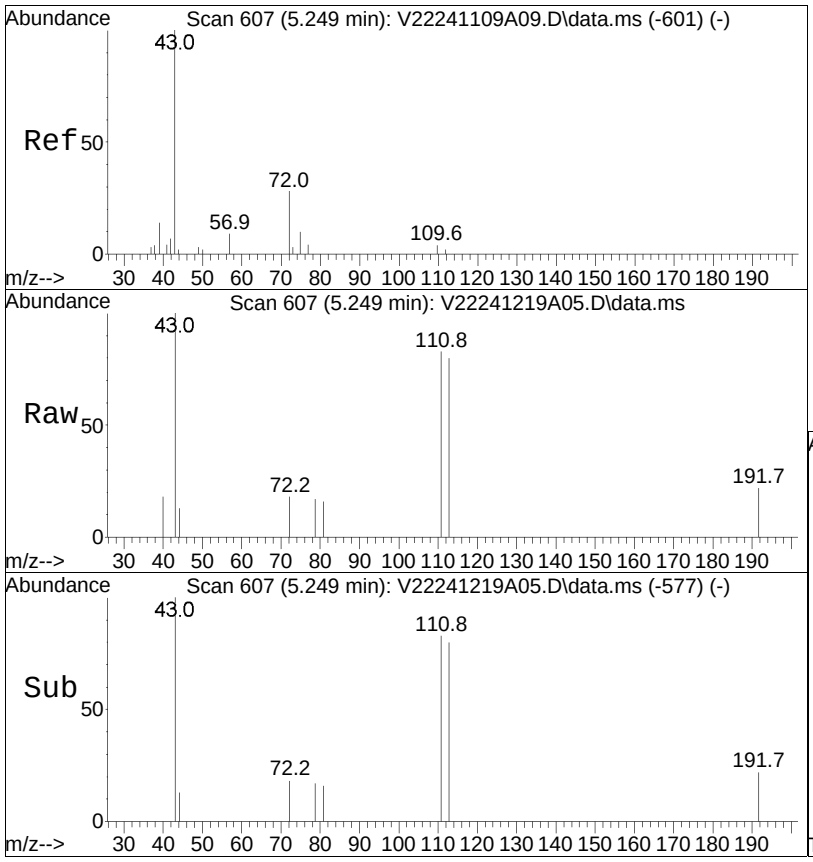
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A05.D
Acq On : 19 Dec 2024 09:16 am
Operator : VOA122:PID
Sample : WG2011630-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 12:11:20 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

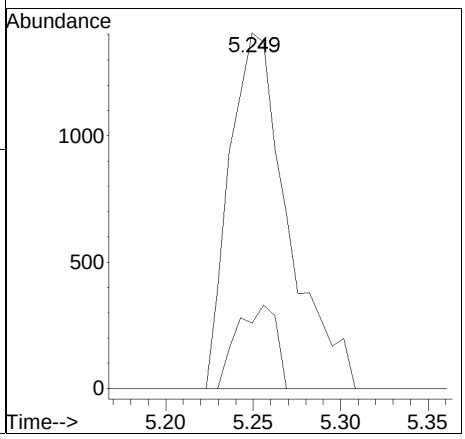




#41
2-Butanone
Concen: 1.95 ug/L
RT: 5.249 min Scan# 607
Delta R.T. -0.000 min
Lab File: V22241219A05.D
Acq: 19 Dec 2024 09:16 am

Tgt Ion: 43 Resp: 3271

Ion	Ratio	Lower	Upper
43	100		
72	15.8	45.8	68.8#



Manual Integration Report

Data Path	: K:\VOA122\2024\241219A\	QMethod	: V122_241109A_8260.m
Data File	: V22241219A05.D	Operator	: VOA122:PID
Date Inj'd	: 12/19/2024 9:16 am	Instrument	: VOA 122
Sample	: WG2011630-5,31,10,10	Quant Date	: 12/19/2024 12:09 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-3,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	523400	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 100.00%			
63) Chlorobenzene-d5	9.634	117	431183	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.323	152	274323	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	187333	10.412	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.12%			
47) 1,2-Dichloroethane-d4	5.796	65	186462	10.350	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%			
64) Toluene-d8	7.783	98	589133	10.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
88) 4-Bromofluorobenzene	11.117	95	237146	10.010	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	119436	9.447	ug/L	96
3) Chloromethane	1.863	50	145445	9.432	ug/L	98
4) Vinyl chloride	1.942	62	152260	10.048	ug/L	99
5) Bromomethane	2.256	94	44218	5.378	ug/L	98
6) Chloroethane	2.377	64	93428	10.069	ug/L	98
7) Trichlorofluoromethane	2.519	101	176777	10.412	ug/L	100
8) Ethyl ether	2.817	74	39511	9.080	ug/L	88
10) 1,1-Dichloroethene	3.011	96	115128	10.563	ug/L	82
11) Carbon disulfide	3.043	76	363728	11.085	ug/L	100
15) Methylene chloride	3.567	84	142078	10.562	ug/L	85
17) Acetone	3.604	43	22863	11.290	ug/L	93
18) trans-1,2-Dichloroethene	3.725	96	118565	10.128	ug/L	87
21) Methyl tert-butyl ether	3.824	73	117923	6.533	ug/L	94
25) 1,1-Dichloroethane	4.307	63	263172	10.802	ug/L	98
27) Acrylonitrile	4.343	53	29083	11.620	ug/L	99
29) Vinyl acetate	4.542	43	128858	7.519	ug/L #	96
30) cis-1,2-Dichloroethene	4.831	96	135654	10.191	ug/L	88
31) 2,2-Dichloropropane	4.930	77	159719	9.953	ug/L	84
33) Bromochloromethane	5.020	128	61389	10.284	ug/L #	72
35) Chloroform	5.093	83	228217	10.182	ug/L	94

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-3,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	5.240	117	101253	7.704	ug/L		98
40) 1,1,1-Trichloroethane	5.303	97	136702	8.529	ug/L		95
42) 2-Butanone	5.387	43	25052	10.189	ug/L		96
43) 1,1-Dichloropropene	5.423	75	103494	7.949	ug/L		97
45) Benzene	5.670	78	368373	9.433	ug/L		97
48) 1,2-Dichloroethane	5.869	62	130408	9.463	ug/L	#	97
52) Trichloroethene	6.267	95	78083	8.207	ug/L		96
54) Dibromomethane	6.708	93	60157	9.610	ug/L		94
55) 1,2-Dichloropropane	6.807	63	81616	7.953	ug/L		99
58) Bromodichloromethane	6.881	83	106603	7.652	ug/L	#	99
61) 1,4-Dioxane	7.091	88	32283	641.595	ug/L		97
62) cis-1,3-Dichloropropene	7.573	75	110304	7.733	ug/L	#	85
65) Toluene	7.846	92	258542	9.816	ug/L		99
66) 4-Methyl-2-pentanone	8.276	58	16796	8.695	ug/L	#	86
67) Tetrachloroethene	8.297	166	90748	9.497	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	95440	7.803	ug/L	#	78
72) 1,1,2-Trichloroethane	8.506	83	49278	8.403	ug/L		99
73) Chlorodibromomethane	8.721	129	57801	7.207	ug/L		99
74) 1,3-Dichloropropane	8.831	76	110762	8.580	ug/L		99
75) 1,2-Dibromoethane	8.999	107	56590	9.084	ug/L		99
77) 2-Hexanone	9.287	43	29879	8.433	ug/L		97
78) Chlorobenzene	9.655	112	270850	9.643	ug/L		89
79) Ethylbenzene	9.691	91	513612	9.911	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.738	131	58497	7.740	ug/L		99
81) p/m Xylene	9.880	106	420904	20.188	ug/L		96
82) o Xylene	10.420	106	404274	20.154	ug/L		96
83) Styrene	10.483	104	659798	20.014	ug/L		96
85) Bromoform	10.504	173	32866	6.917	ug/L		100
87) Isopropylbenzene	10.797	105	493170	9.640	ug/L		99
89) Bromobenzene	11.227	156	116103	9.385	ug/L		98
90) n-Propylbenzene	11.275	91	650904	10.113	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.353	83	71070	8.867	ug/L		99
93) 4-Ethyltoluene	11.400	105	525960	9.857	ug/L		99
94) 2-Chlorotoluene	11.437	91	385867	9.772	ug/L	#	88
95) 1,3,5-Trimethylbenzene	11.495	105	457409	9.790	ug/L		98
96) 1,2,3-Trichloropropane	11.495	75	59857	9.157	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.547	53	13660	7.019	ug/L		97
98) 4-Chlorotoluene	11.621	91	405586	9.845	ug/L		97
99) tert-Butylbenzene	11.836	119	361495	9.537	ug/L		96

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-3,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.914	105	439824	9.704	ug/L	98
103) sec-Butylbenzene	12.024	105	541857	9.833	ug/L	96
104) p-Isopropyltoluene	12.176	119	456134	9.586	ug/L	98
105) 1,3-Dichlorobenzene	12.245	146	244698	9.407	ug/L	98
106) 1,4-Dichlorobenzene	12.334	146	249656	9.389	ug/L	99
107) p-Diethylbenzene	12.549	119	259682	9.275	ug/L	97
108) n-Butylbenzene	12.606	91	411840	9.955	ug/L	98
109) 1,2-Dichlorobenzene	12.758	146	228787	9.277	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.340	119	339182	8.600	ug/L	97
111) 1,2-Dibromo-3-chloropr...	13.529	155	12071	9.035	ug/L	96
113) Hexachlorobutadiene	14.143	225	53172	8.552	ug/L	98
114) 1,2,4-Trichlorobenzene	14.164	180	139996	8.680	ug/L	98
115) Naphthalene	14.457	128	300895	9.127	ug/L	100
116) 1,2,3-Trichlorobenzene	14.625	180	130555	8.690	ug/L	99

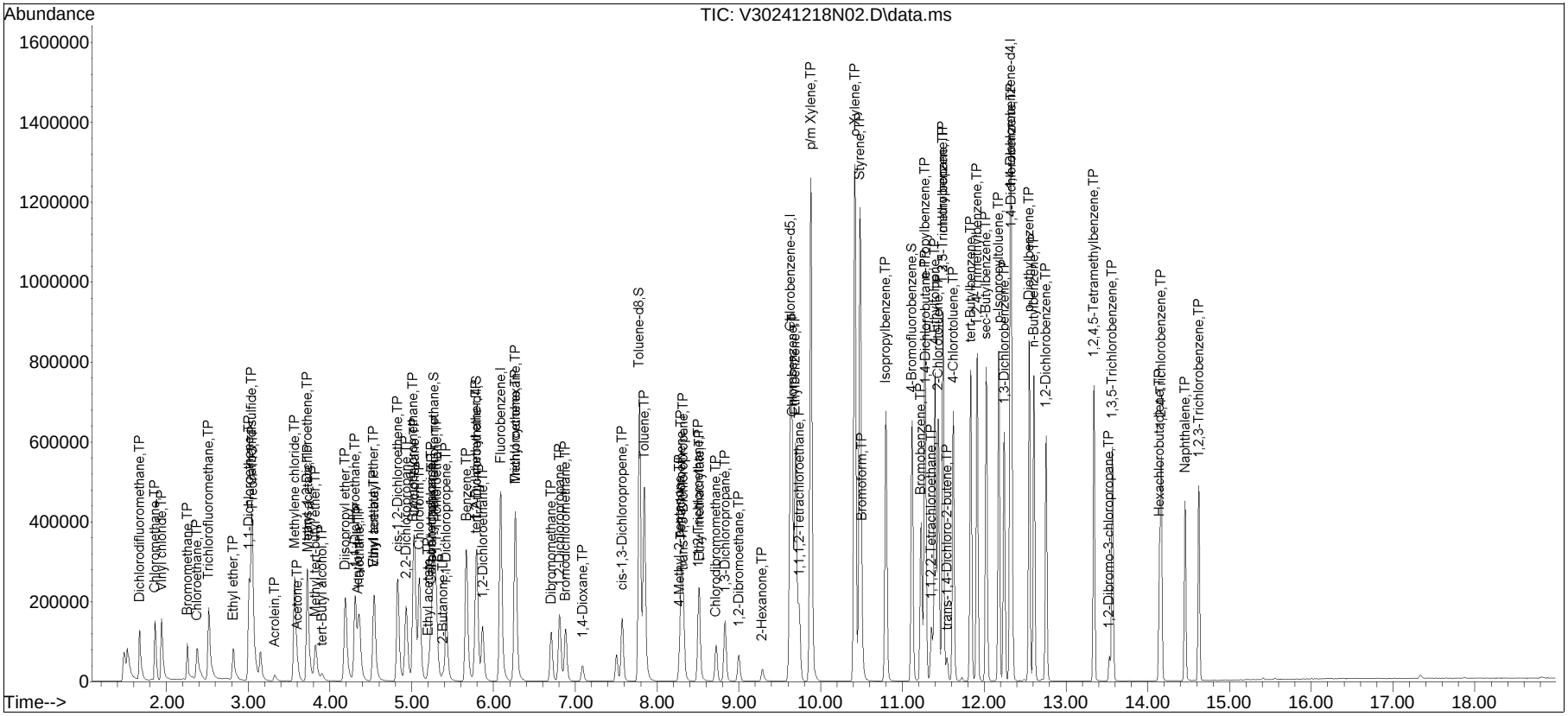
(#) = qualifier out of range (m) = manual integration (+) = signals summed

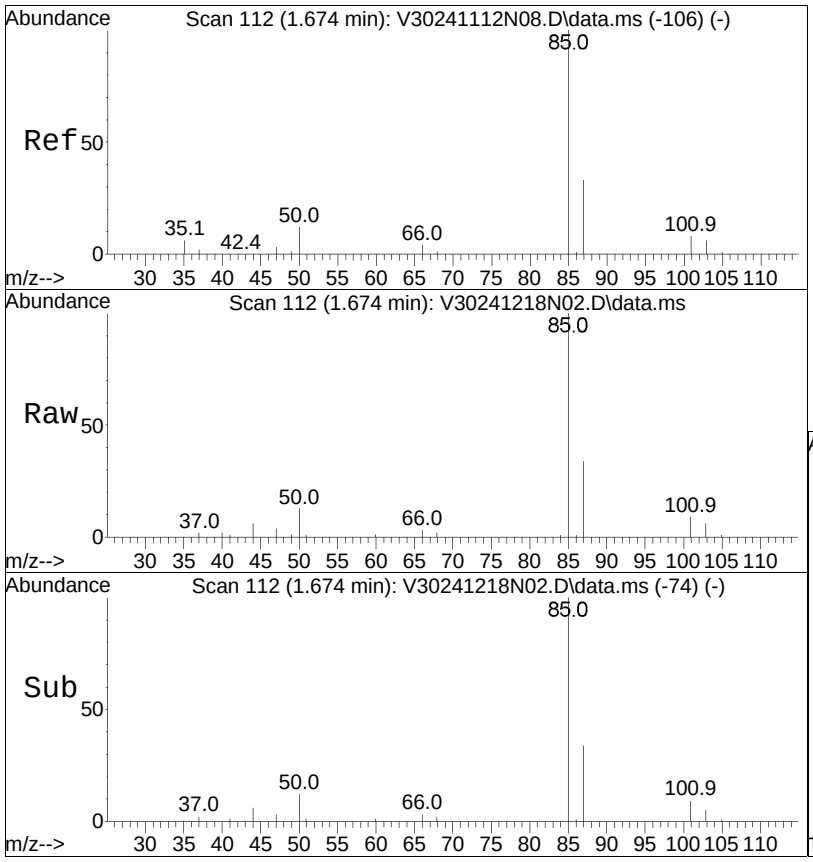
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N02.D
Acq On : 18 Dec 2024 05:55 pm
Operator : VOA130:LAC
Sample : WG2011328-3,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 18:22:41 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

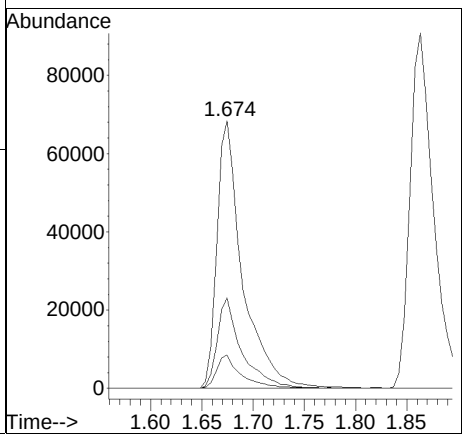


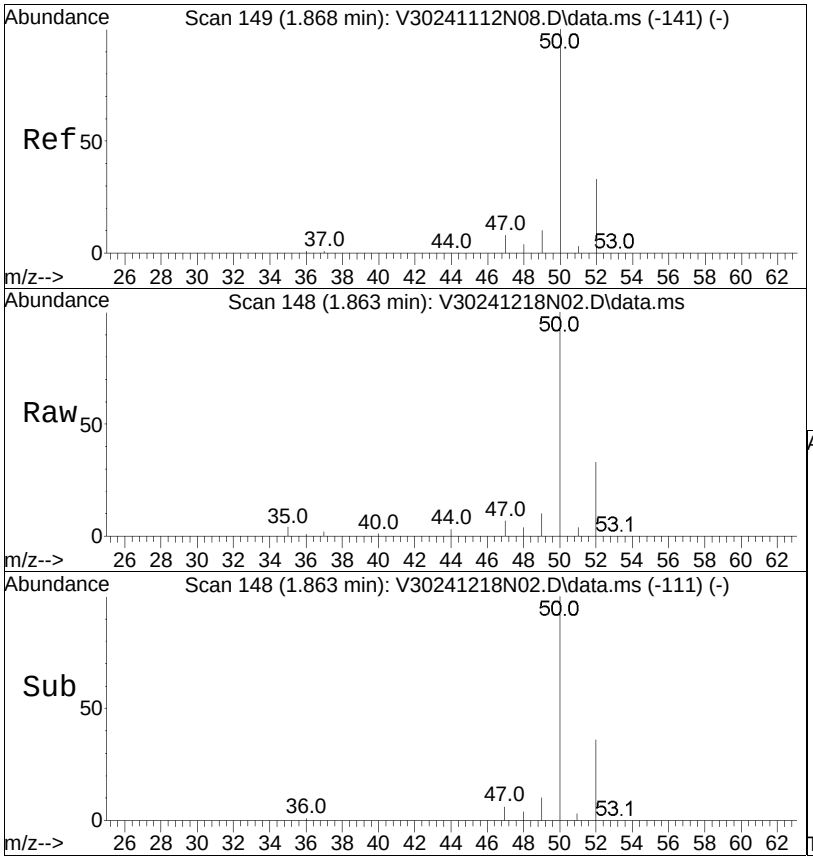


#2
Dichlorodifluoromethane
Concen: 9.45 ug/L
RT: 1.674 min Scan# 112
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 85 Resp: 119436

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.2	42.0
50	11.9	10.1	20.9

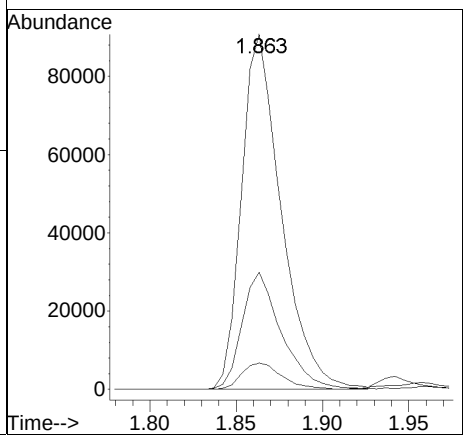


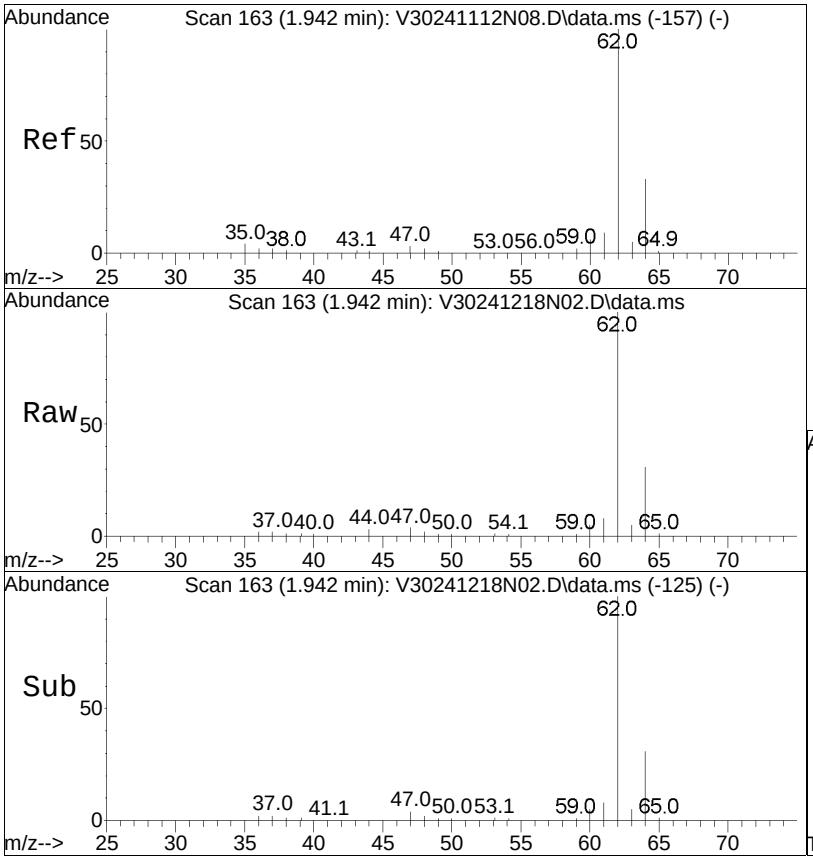


#3
Chloromethane
Concen: 9.43 ug/L
RT: 1.863 min Scan# 148
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 50 Resp: 145445

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.1	37.7
47	7.6	6.5	9.7

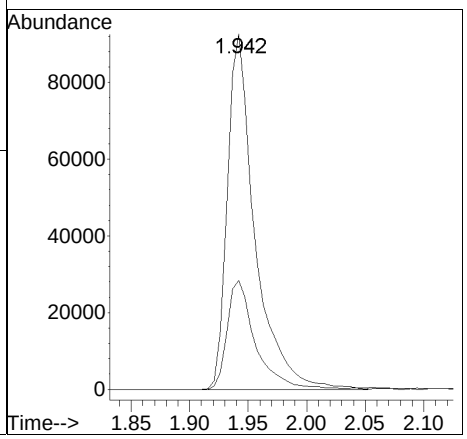


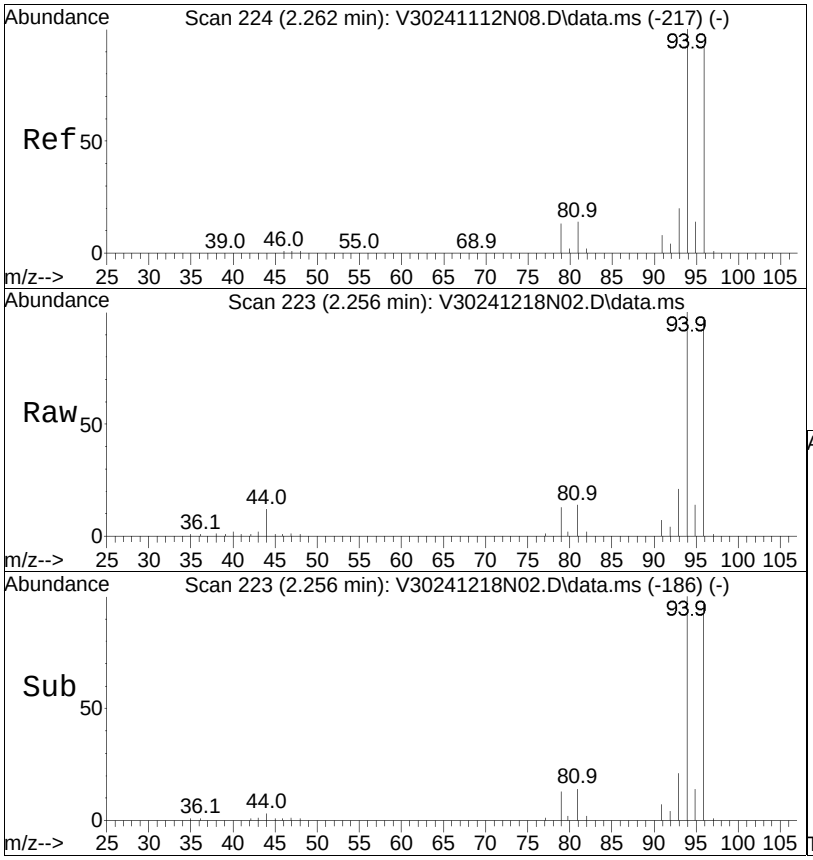


#4
Vinyl chloride
Concen: 10.05 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 62 Resp: 152260

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.7	38.5

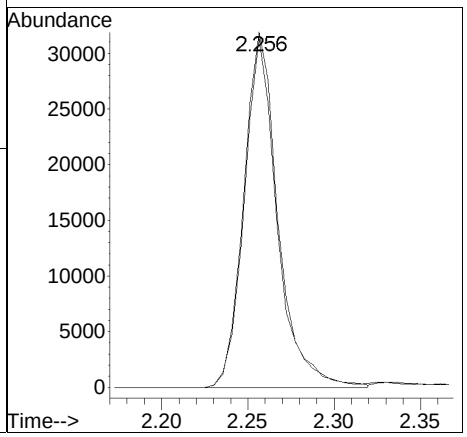


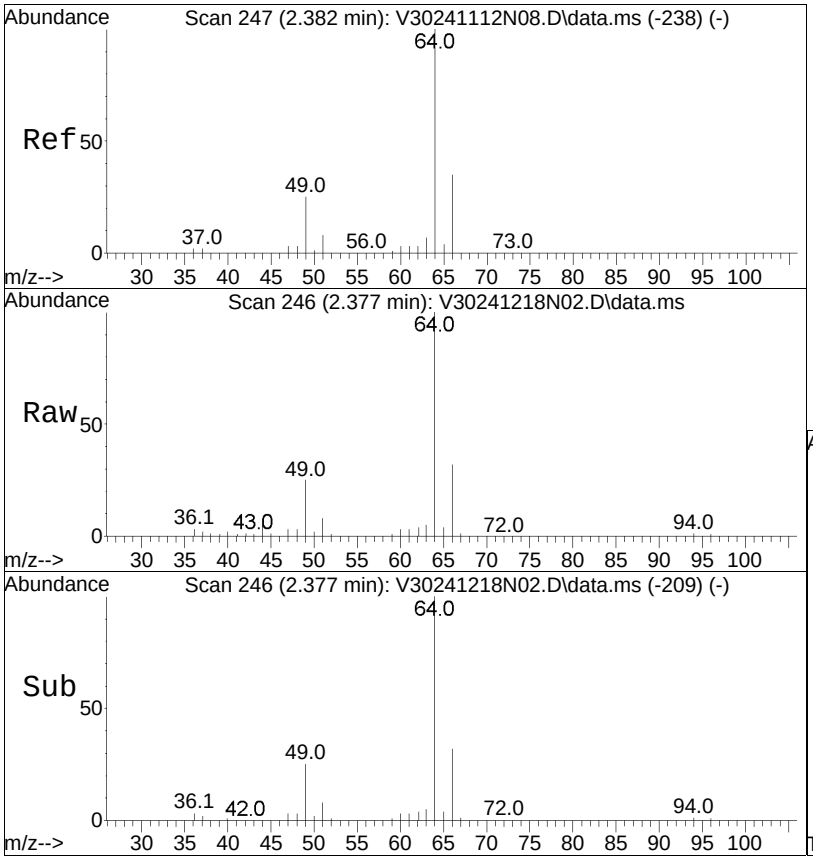


#5
Bromomethane
Concen: 5.38 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 94 Resp: 44218

Ion	Ratio	Lower	Upper
94	100		
96	94.4	73.7	110.5

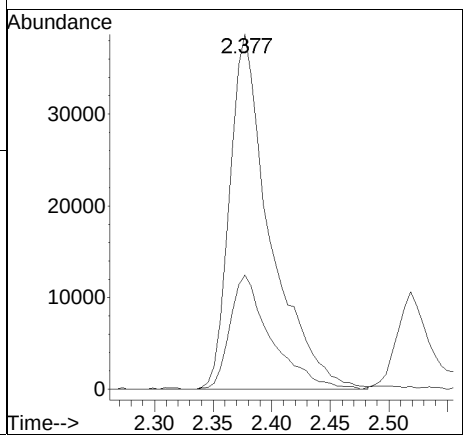


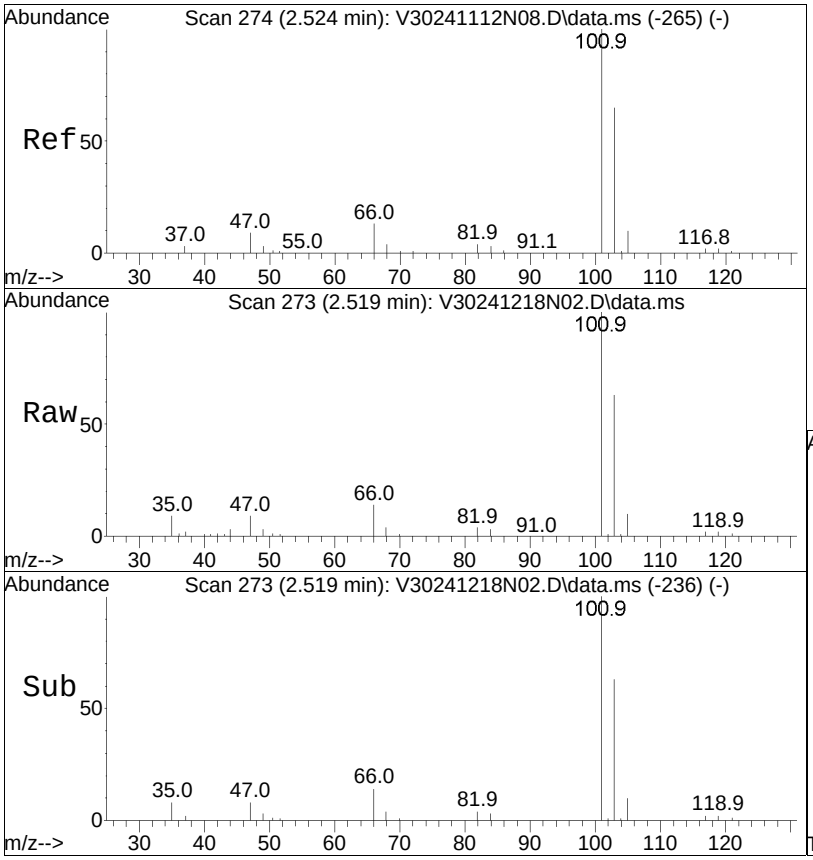


#6
Chloroethane
Concen: 10.07 ug/L
RT: 2.377 min Scan# 246
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 64 Resp: 93428

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.3	37.9

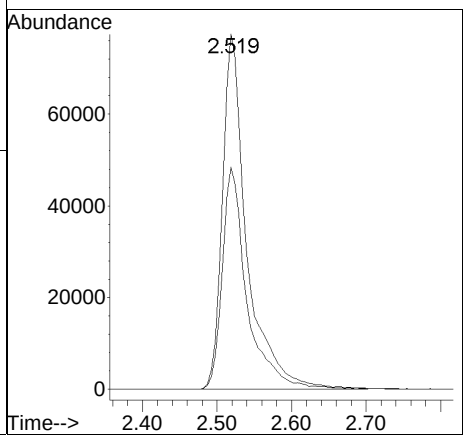


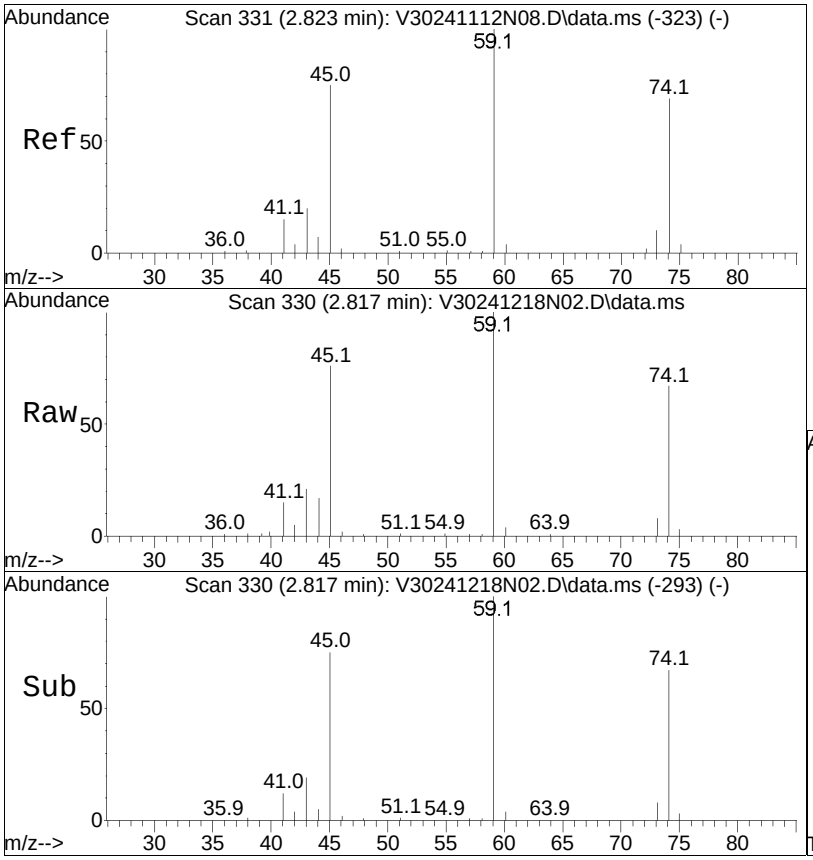


#7
Trichlorofluoromethane
Concen: 10.41 ug/L
RT: 2.519 min Scan# 273
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:101 Resp: 176777

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.0	76.4

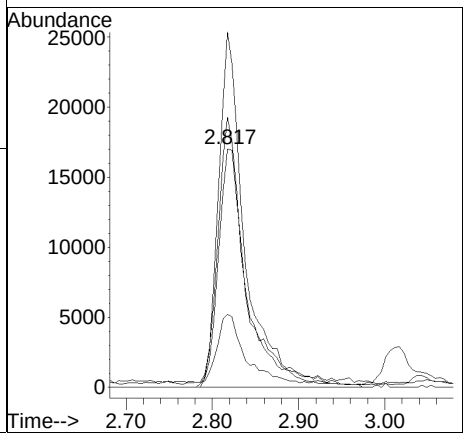


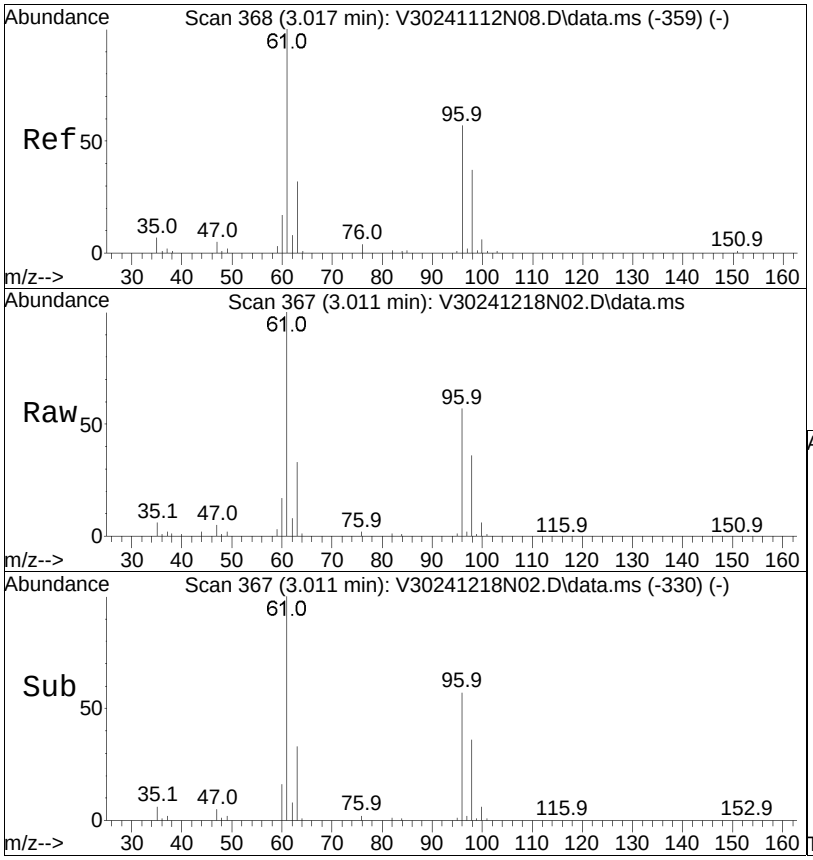


#8
Ethyl ether
Concen: 9.08 ug/L
RT: 2.817 min Scan# 330
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 74 Resp: 39511

Ion	Ratio	Lower	Upper
74	100		
59	139.6	97.6	202.8
45	105.7	80.6	167.4
43	29.7	24.8	51.6

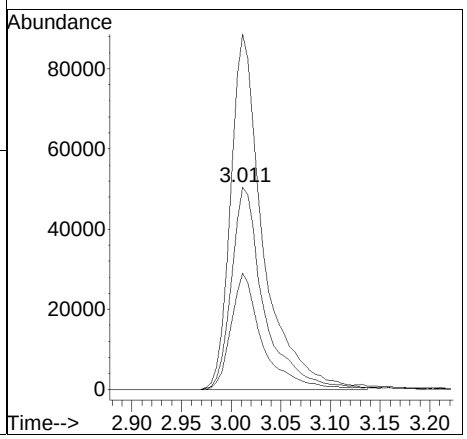


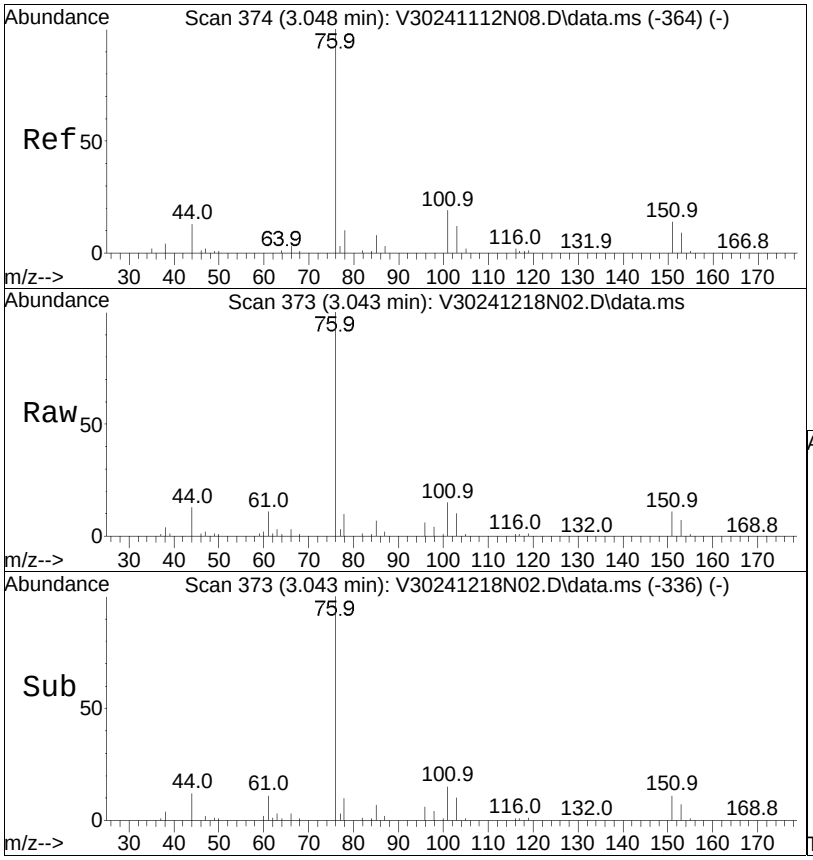


#10
1,1-Dichloroethene
Concen: 10.56 ug/L
RT: 3.011 min Scan# 367
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 96 Resp: 115128

Ion	Ratio	Lower	Upper
96	100		
61	176.7	165.5	248.3
63	55.4	51.9	77.9

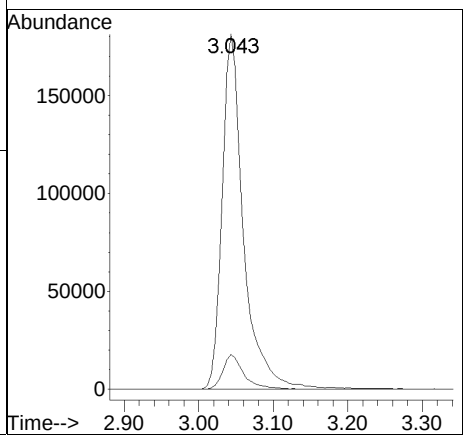


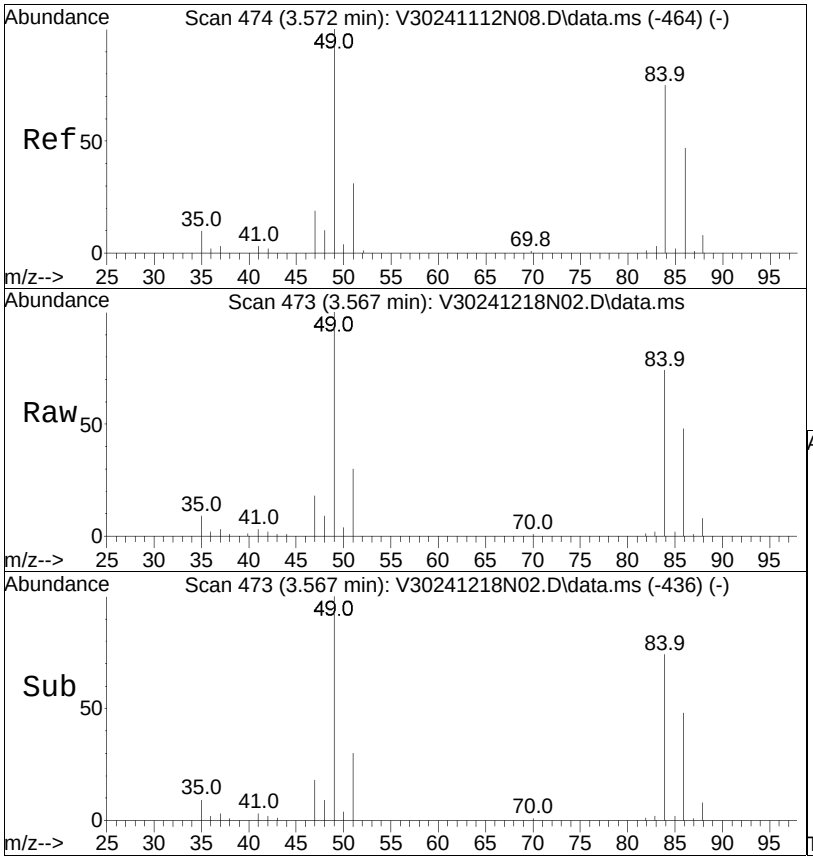


#11
Carbon disulfide
Concen: 11.09 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 76 Resp: 363728

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

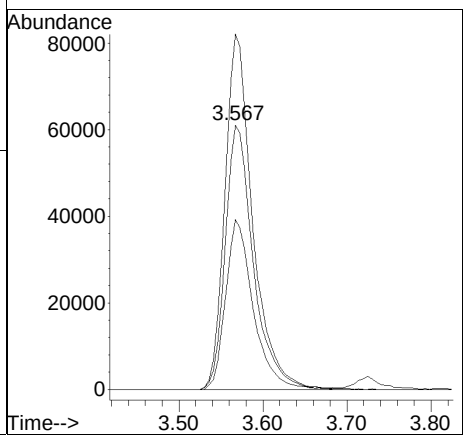


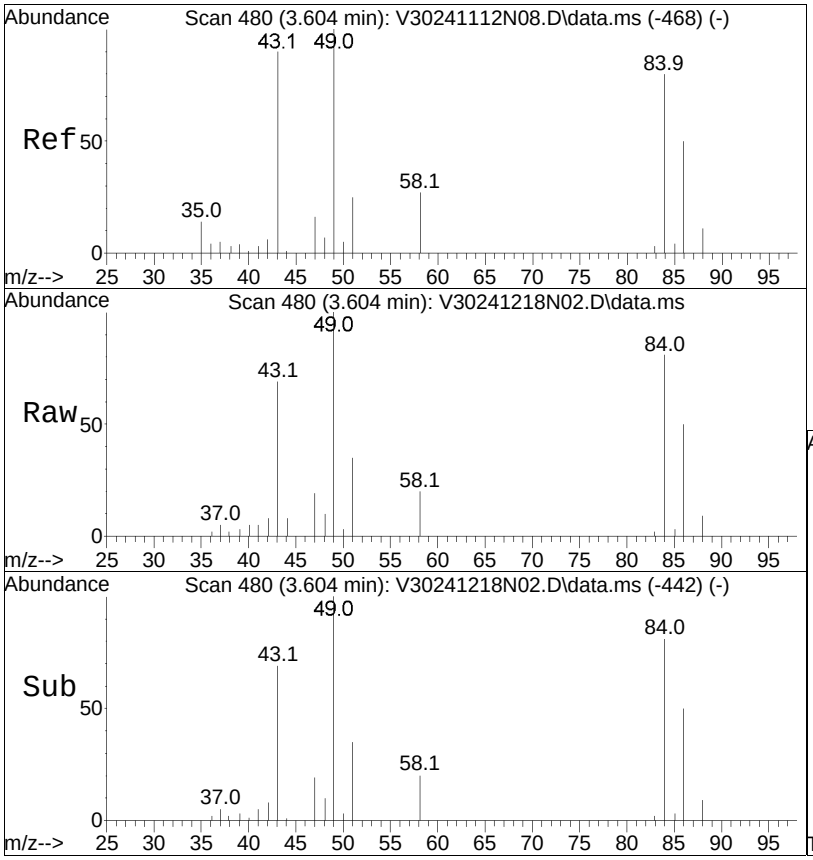


#15
Methylene chloride
Concen: 10.56 ug/L
RT: 3.567 min Scan# 473
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 84 Resp: 142078

Ion	Ratio	Lower	Upper
84	100		
86	63.0	41.7	86.5
49	132.1	103.9	215.9

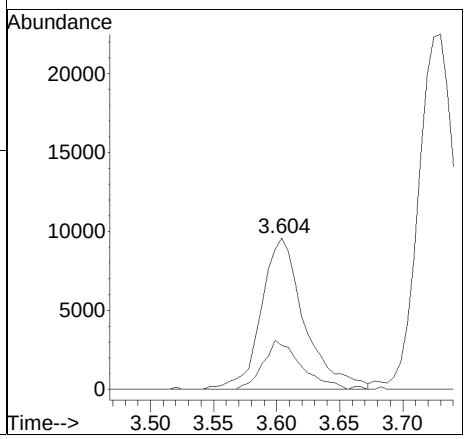


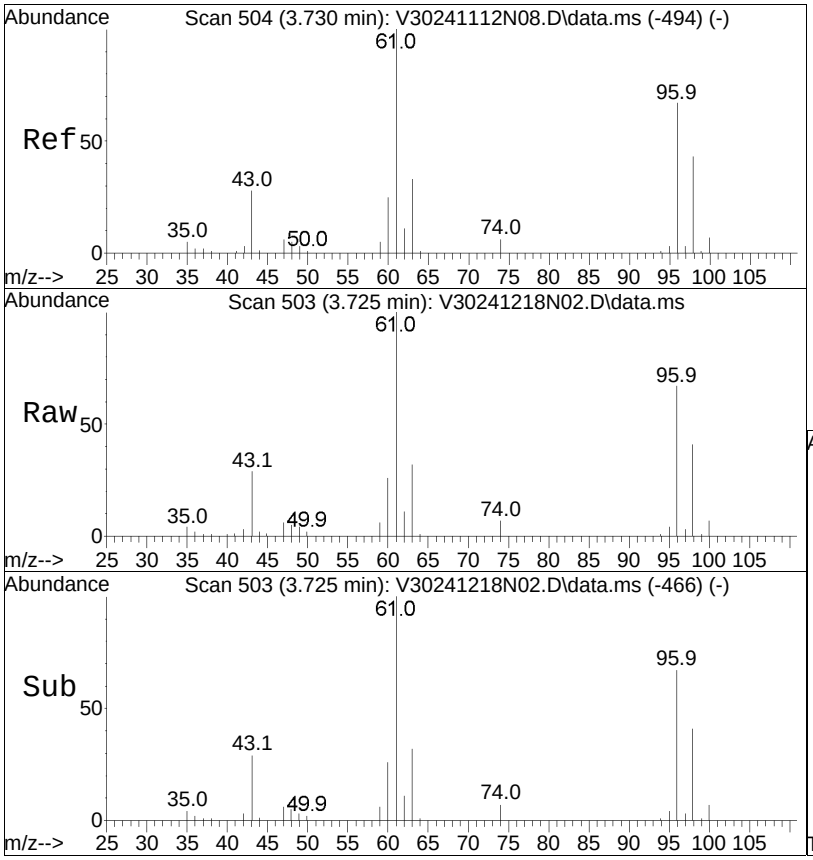


#17
Acetone
Concen: 11.29 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 43 Resp: 22863

Ion	Ratio	Lower	Upper
43	100		
58	28.6	20.1	30.1

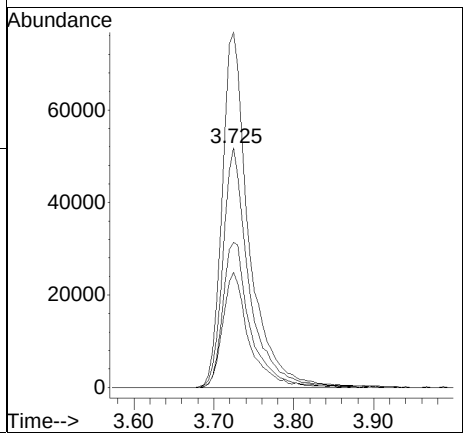


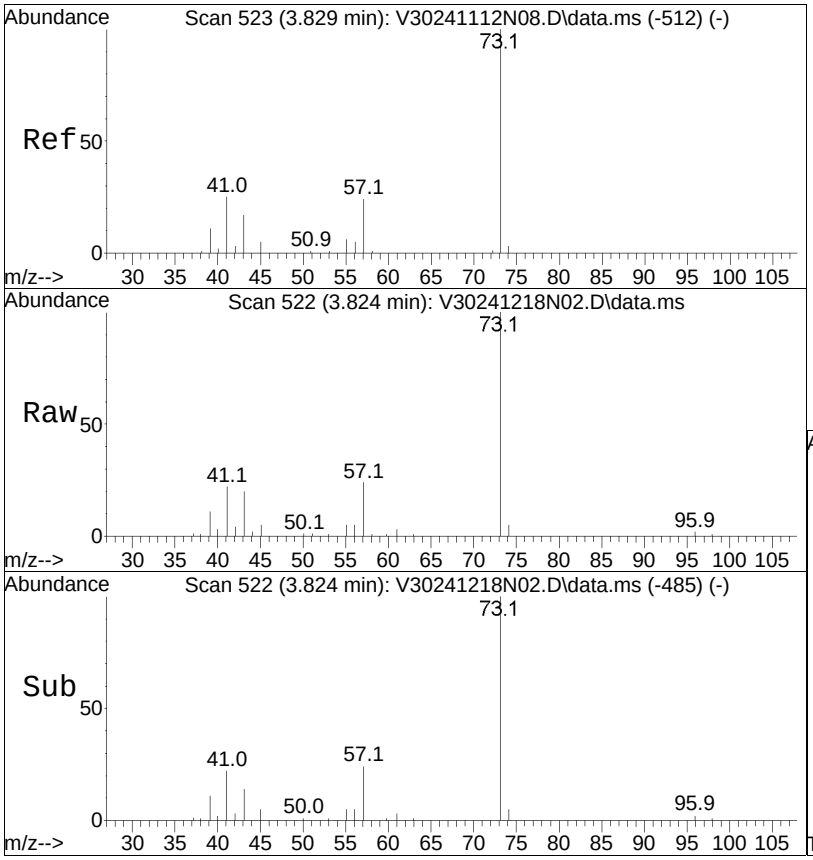


#18
trans-1,2-Dichloroethene
Concen: 10.13 ug/L
RT: 3.725 min Scan# 503
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 96 Resp: 118565

Ion	Ratio	Lower	Upper
96	100		
61	150.5	113.6	236.0
98	63.3	40.8	84.8
63	48.4	36.5	75.7

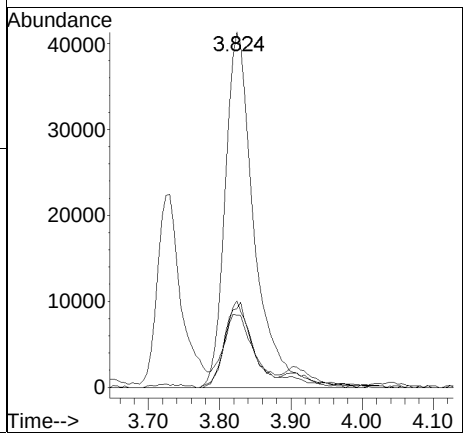


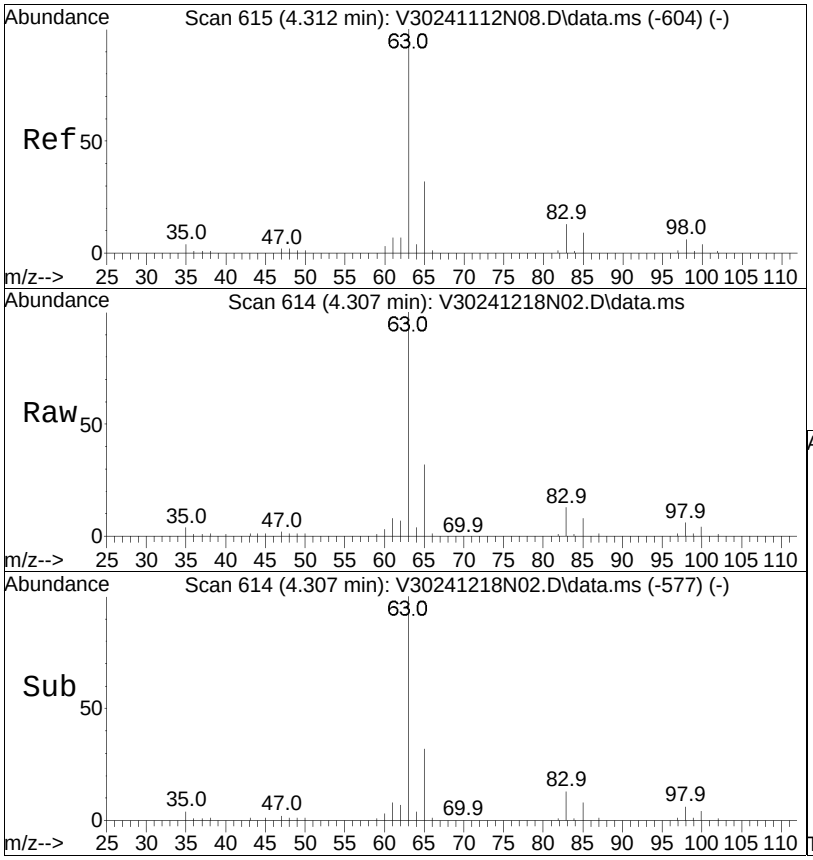


#21
Methyl tert-butyl ether
Concen: 6.53 ug/L
RT: 3.824 min Scan# 522
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 73 Resp: 117923

Ion	Ratio	Lower	Upper
73	100		
57	22.4	15.5	32.1
43	20.7	16.6	34.6
41	23.3	17.2	35.6

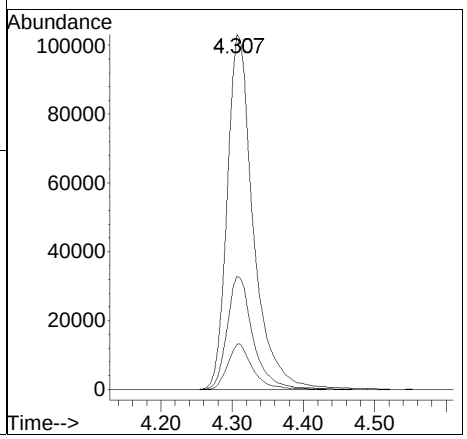


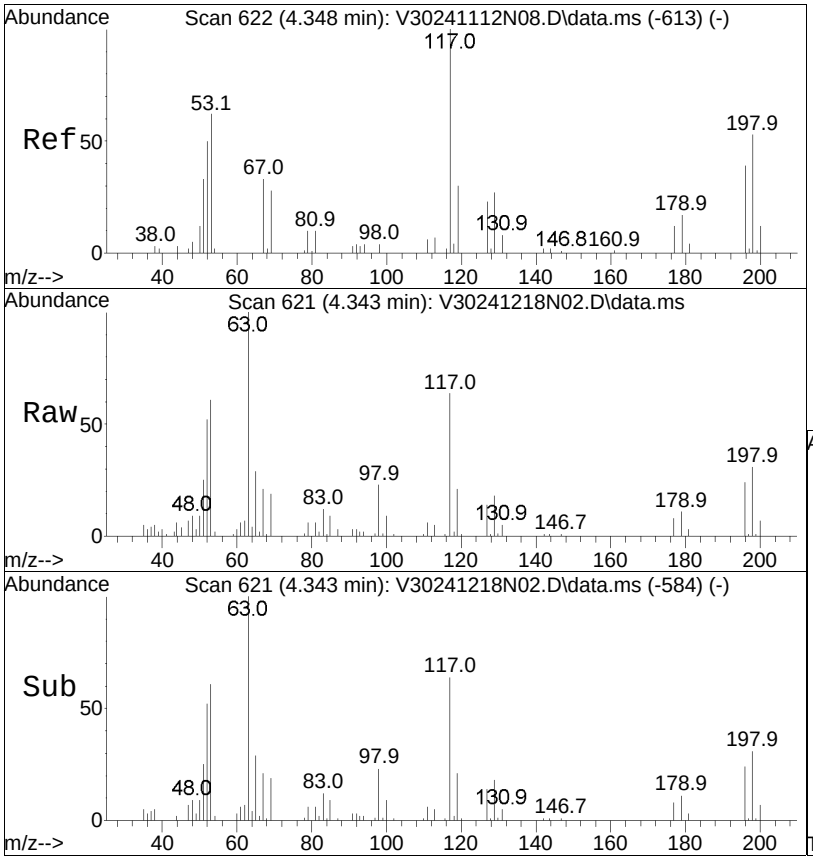


#25
1,1-Dichloroethane
Concen: 10.80 ug/L
RT: 4.307 min Scan# 614
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 63 Resp: 263172

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.5	36.7
83	12.2	8.9	13.3

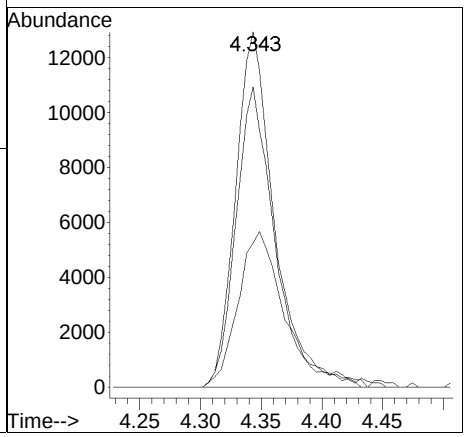


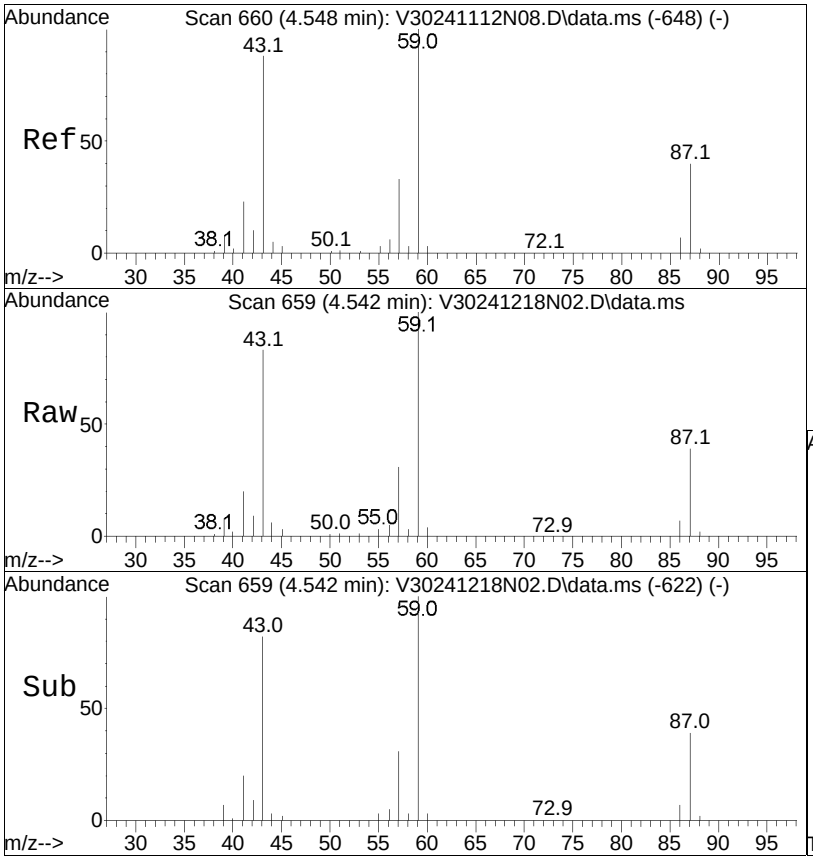


#27
Acrylonitrile
Concen: 11.62 ug/L
RT: 4.343 min Scan# 621
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 53 Resp: 29083

Ion	Ratio	Lower	Upper
53	100		
52	84.8	69.0	103.6
51	52.5	41.8	62.8

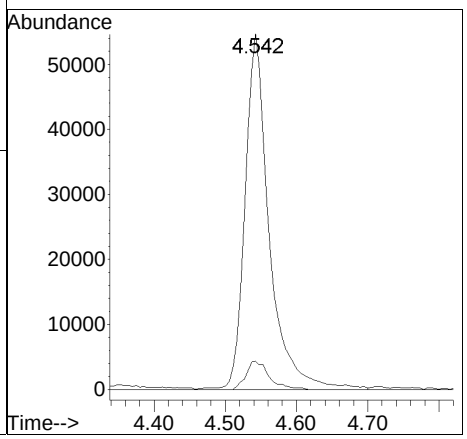


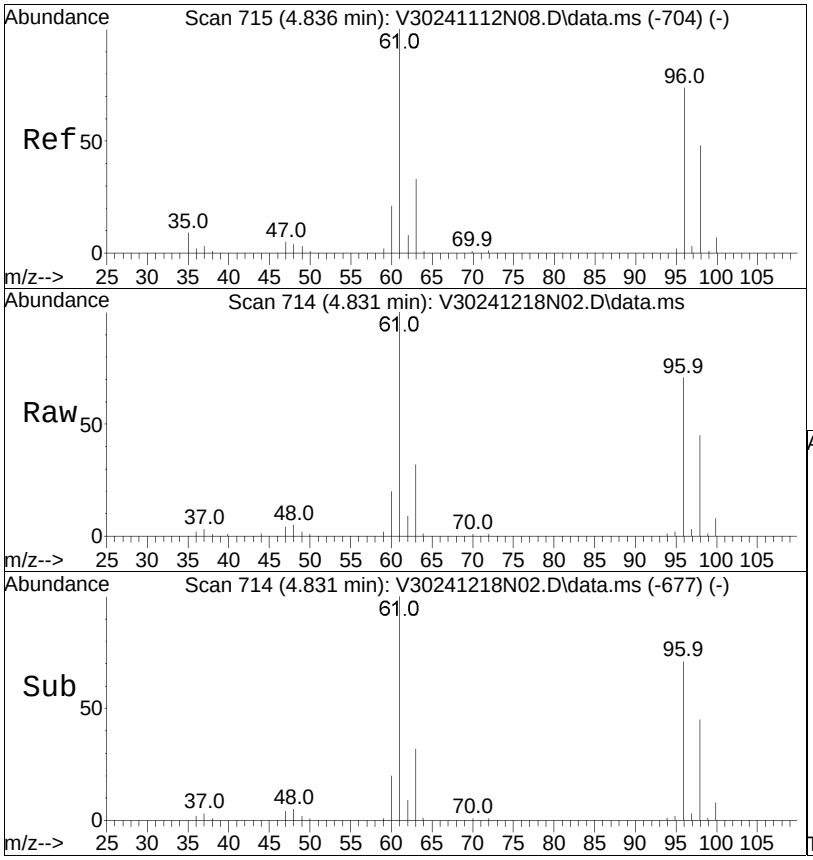


#29
Vinyl acetate
Concen: 7.52 ug/L
RT: 4.542 min Scan# 659
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 43 Resp: 128858

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.0	7.6#

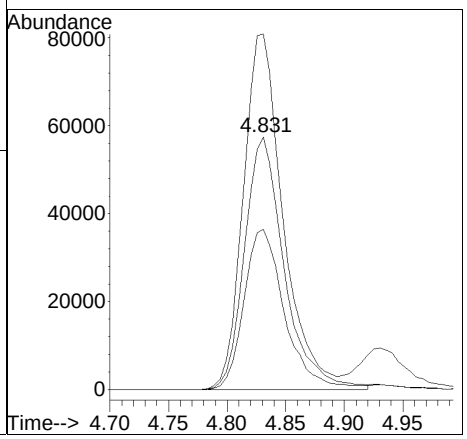


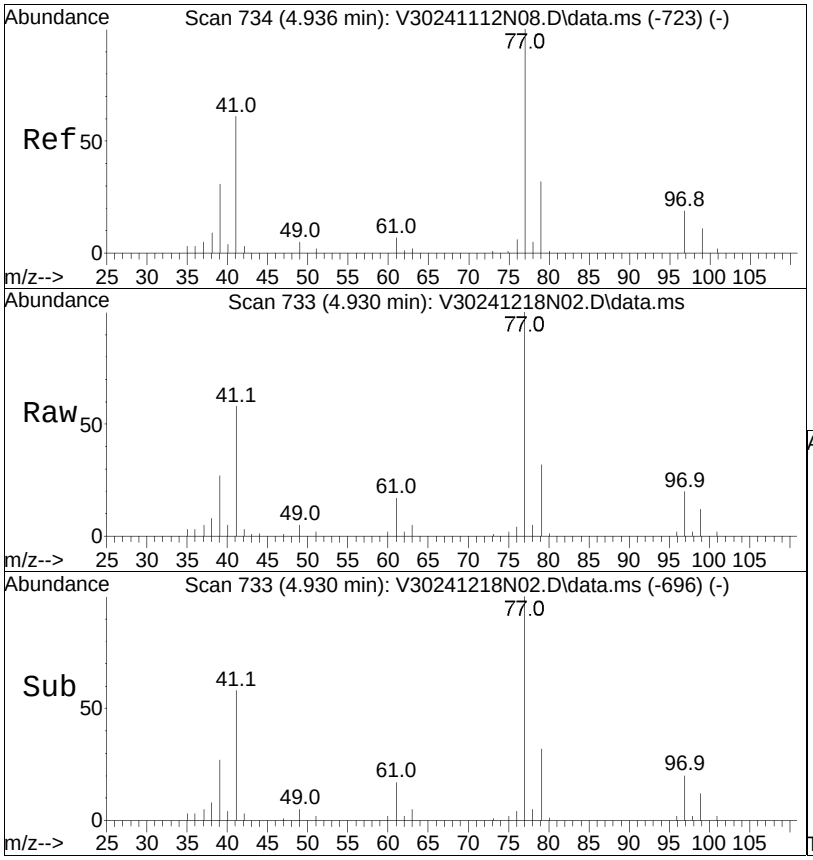


#30
cis-1,2-Dichloroethene
Concen: 10.19 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 96 Resp: 135654

Ion	Ratio	Lower	Upper
96	100		
61	140.1	129.3	193.9
98	64.4	51.4	77.2

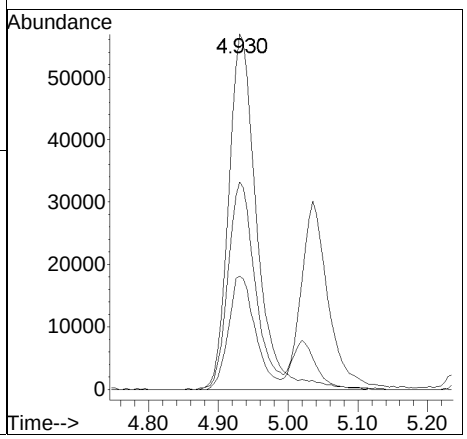


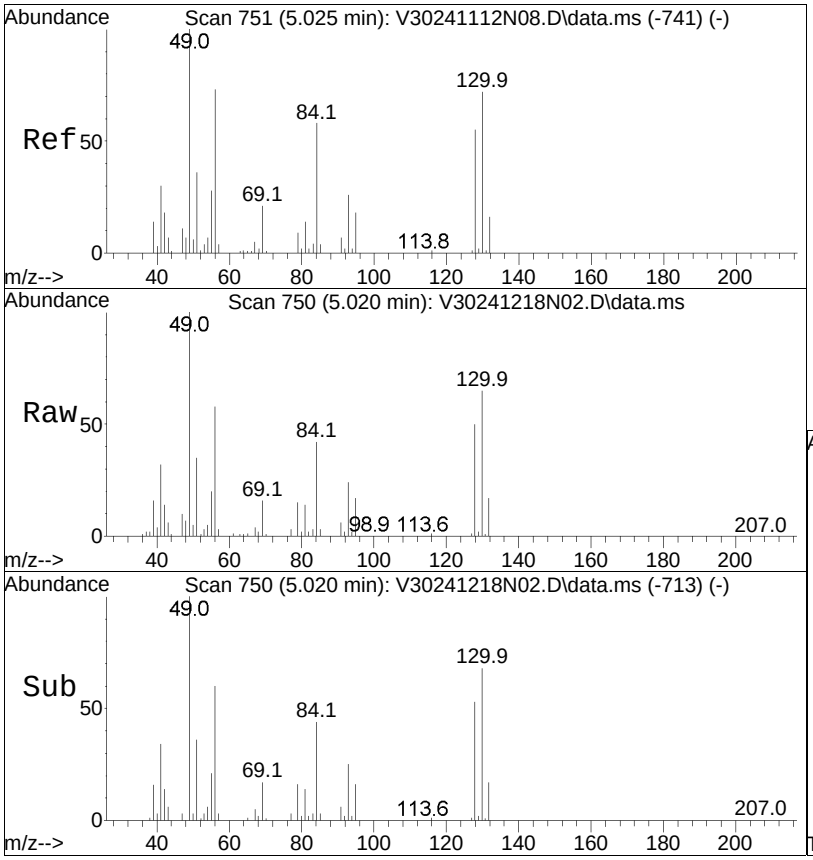


#31
2,2-Dichloropropane
Concen: 9.95 ug/L
RT: 4.930 min Scan# 733
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 77 Resp: 159719

Ion	Ratio	Lower	Upper
77	100		
41	56.5	49.2	102.2
79	30.5	20.6	42.8

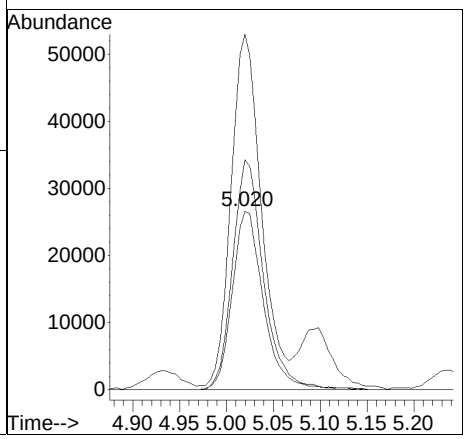


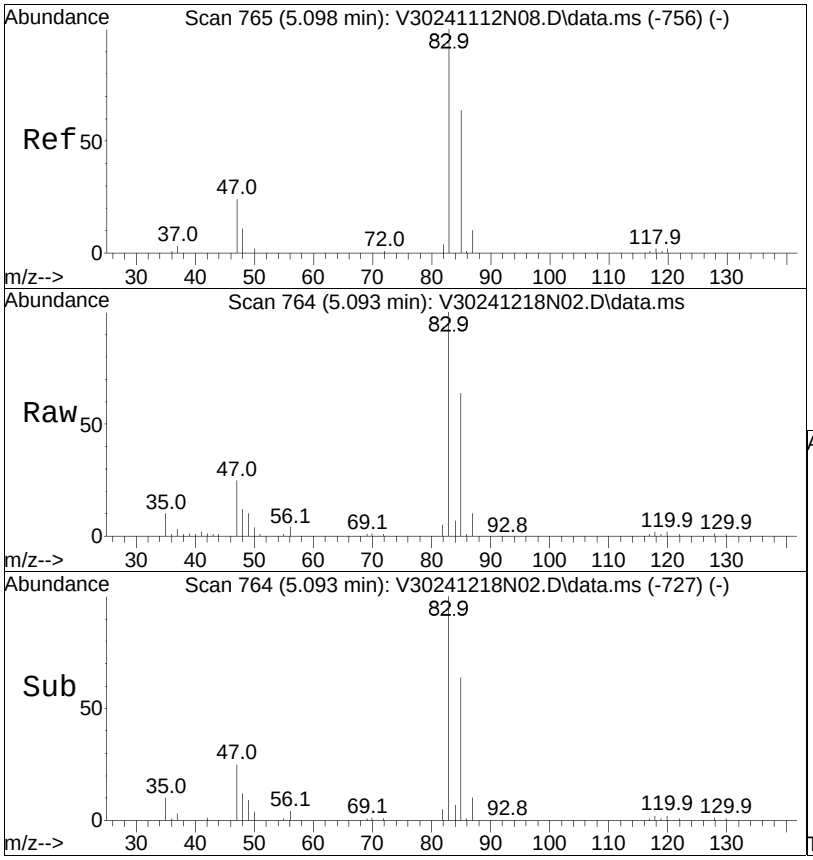


#33
Bromochloromethane
Concen: 10.28 ug/L
RT: 5.020 min Scan# 750
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:128 Resp: 61389

Ion	Ratio	Lower	Upper
128	100		
49	195.4	214.8	322.2#
130	128.3	105.4	158.2

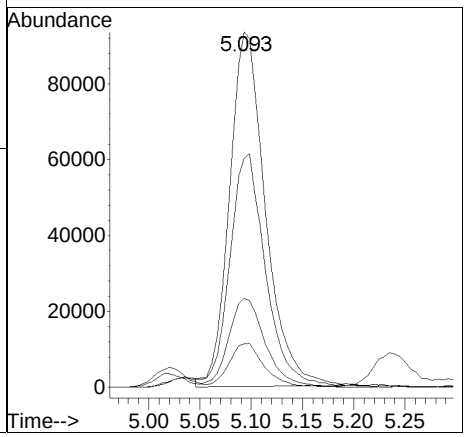


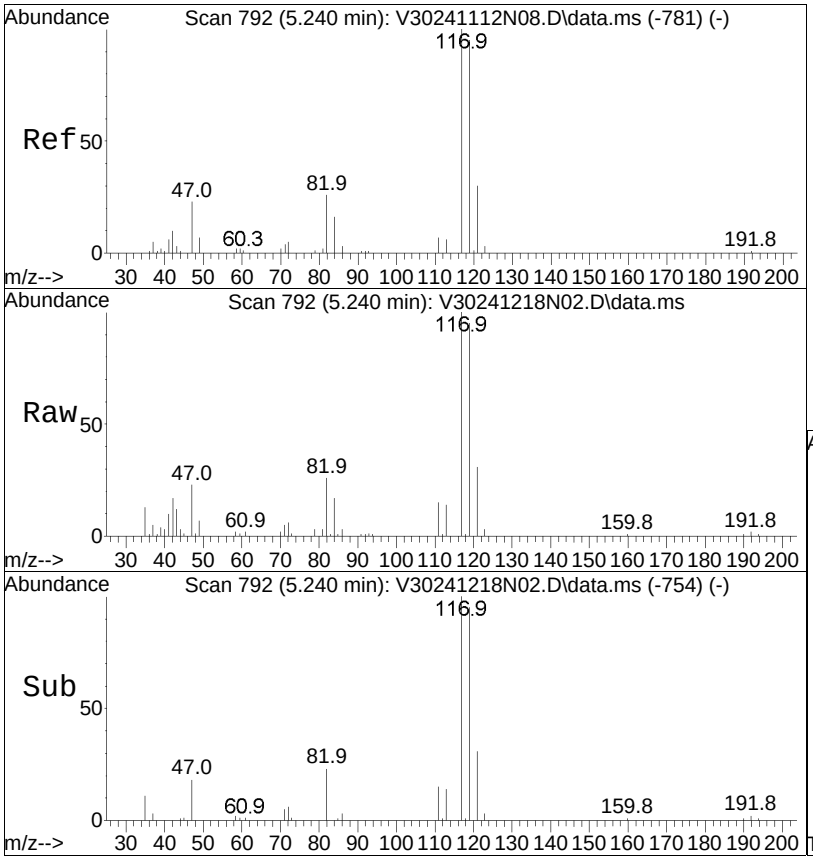


#35
Chloroform
Concen: 10.18 ug/L
RT: 5.093 min Scan# 764
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 83 Resp: 228217

Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.4	86.0
47	24.9	20.5	42.5
48	12.4	9.9	20.5

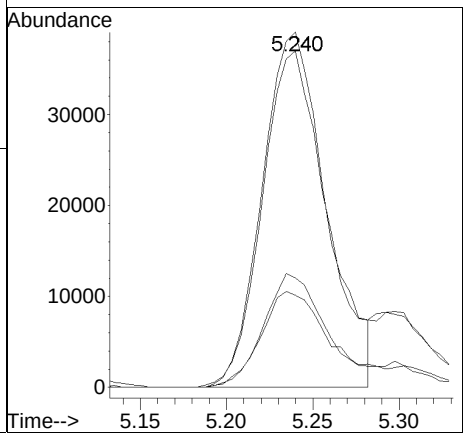


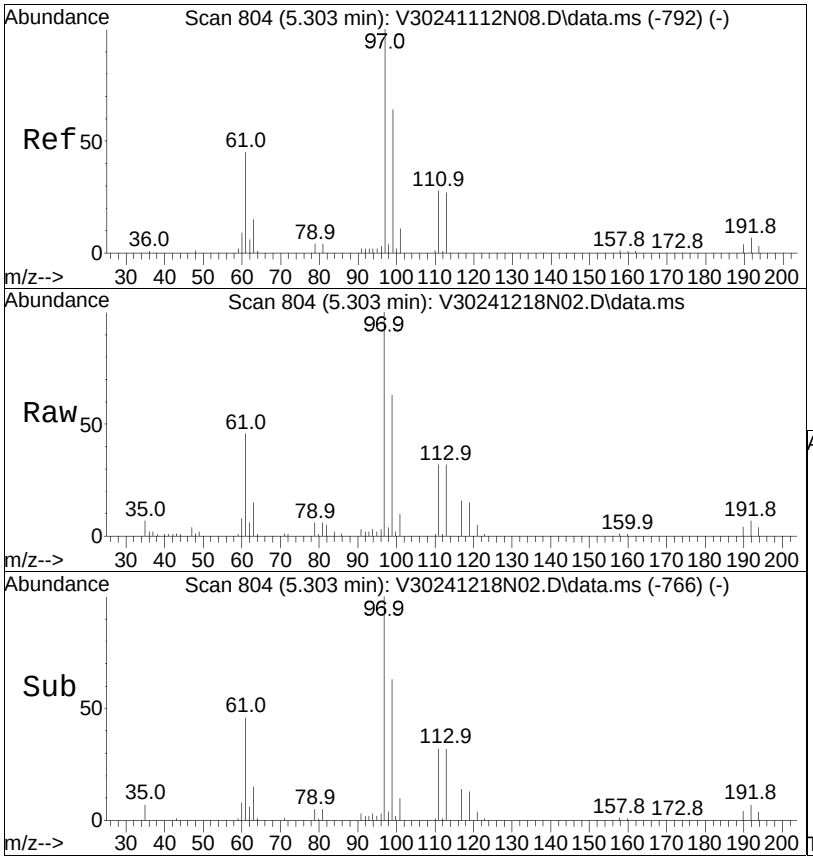


#37
Carbon tetrachloride
Concen: 7.70 ug/L
RT: 5.240 min Scan# 792
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:117 Resp: 101253

Ion	Ratio	Lower	Upper
117	100		
119	97.3	62.0	128.8
121	31.1	19.6	40.6
82	29.7	18.8	39.0

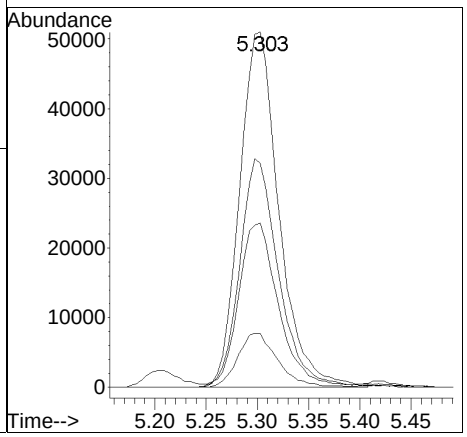


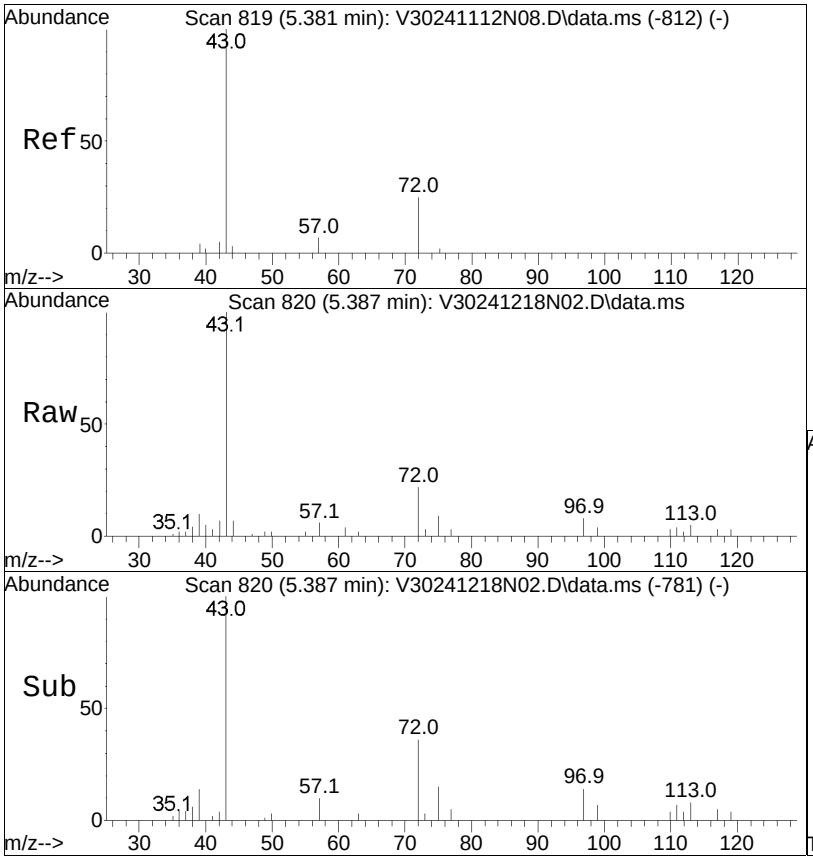


#40
1,1,1-Trichloroethane
Concen: 8.53 ug/L
RT: 5.303 min Scan# 804
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 97 Resp: 136702

Ion	Ratio	Lower	Upper
97	100		
99	63.6	40.6	84.4
61	47.1	35.0	72.8
63	15.6	11.1	23.0

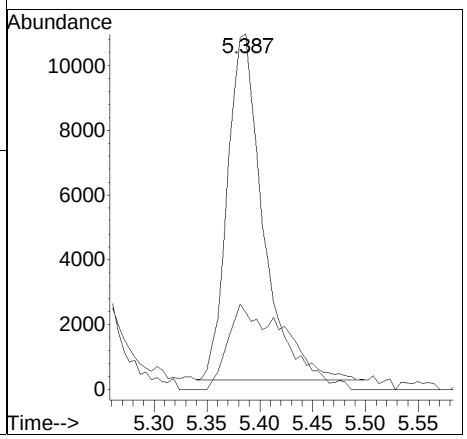


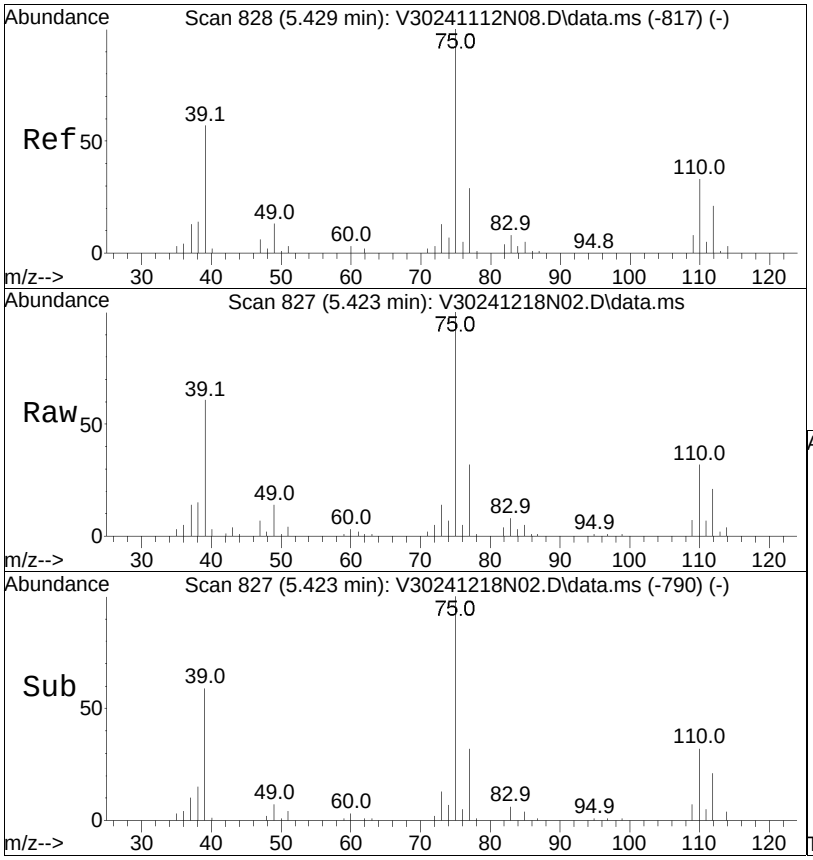


#42
2-Butanone
Concen: 10.19 ug/L
RT: 5.387 min Scan# 820
Delta R.T. 0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 43 Resp: 25052

Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.2	27.4

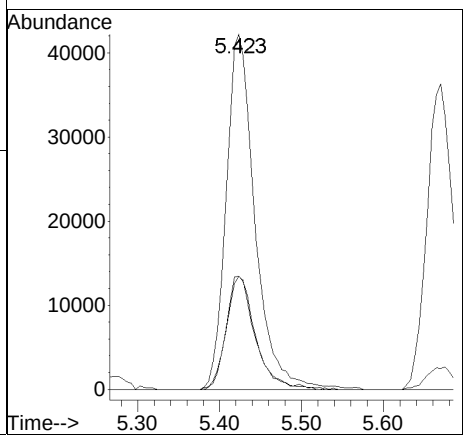


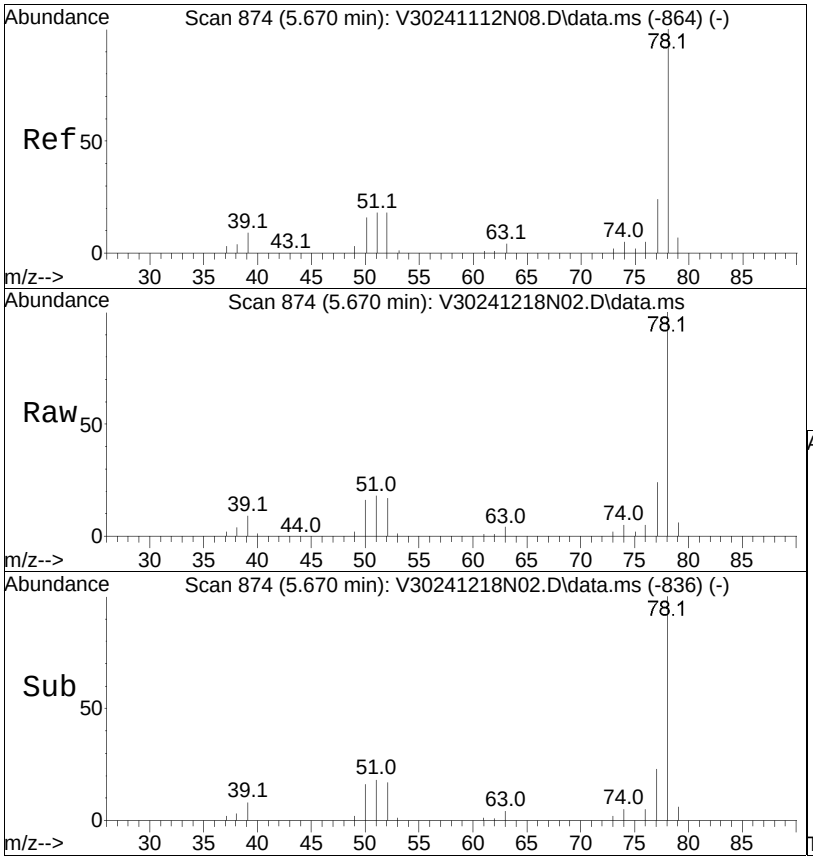


#43
1,1-Dichloropropene
Concen: 7.95 ug/L
RT: 5.423 min Scan# 827
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 75 Resp: 103494

Ion	Ratio	Lower	Upper
75	100		
110	31.8	19.4	40.4
77	31.8	19.7	40.9

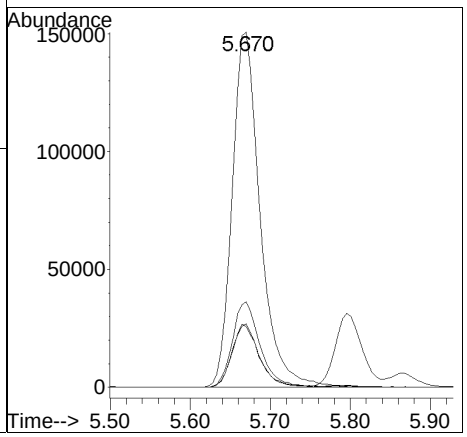


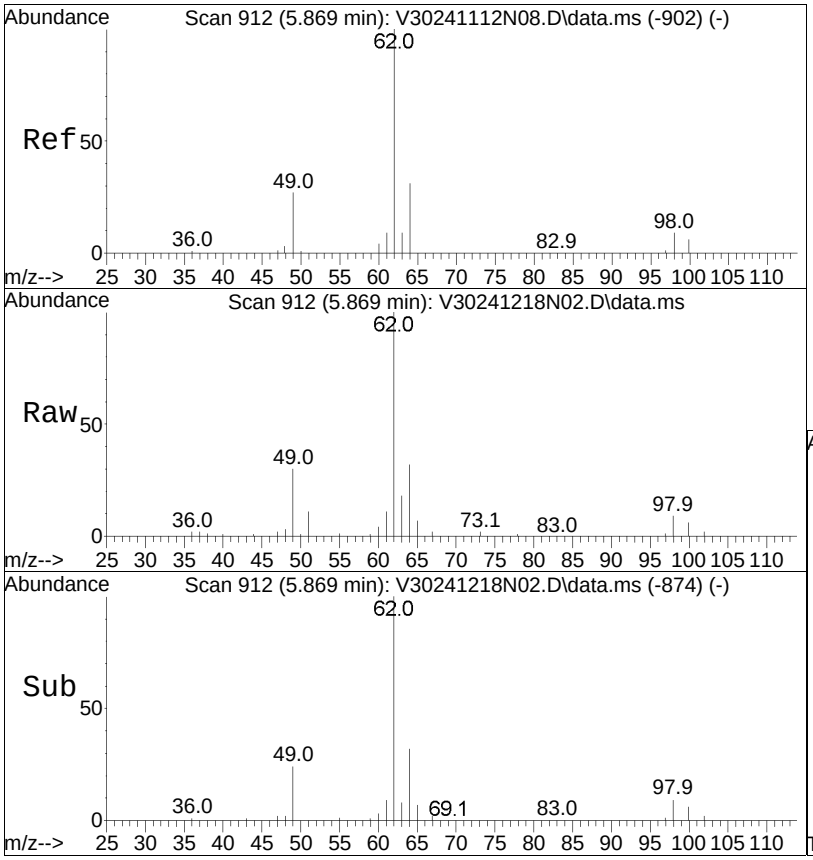


#45
Benzene
Concen: 9.43 ug/L
RT: 5.670 min Scan# 874
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 78 Resp: 368373

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.6	32.4
51	17.6	12.9	26.7
52	17.2	12.4	25.7

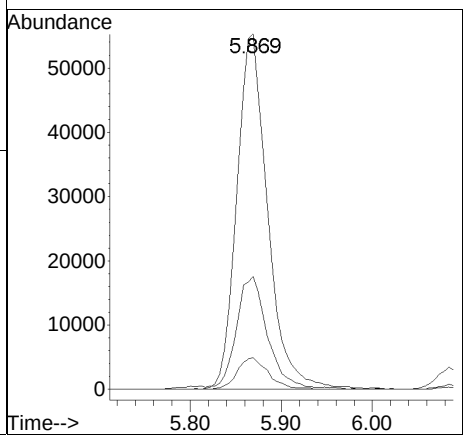


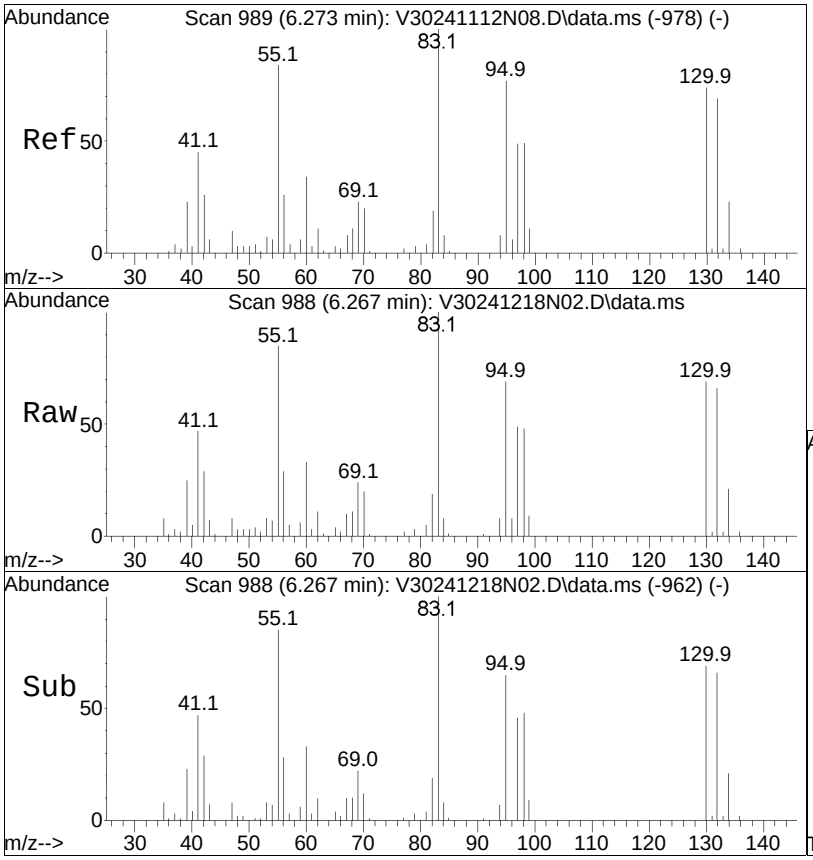


#48
1,2-Dichloroethane
Concen: 9.46 ug/L
RT: 5.869 min Scan# 912
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 62 Resp: 130408

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.5	38.3
98	9.1	5.5	8.3#

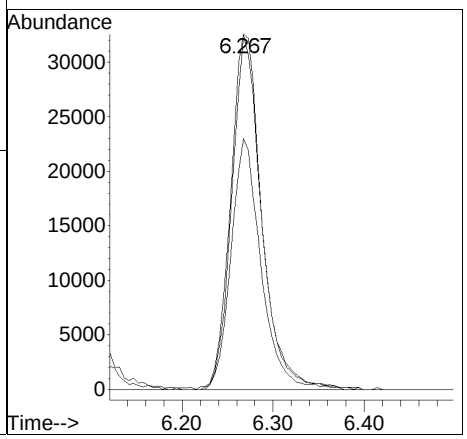


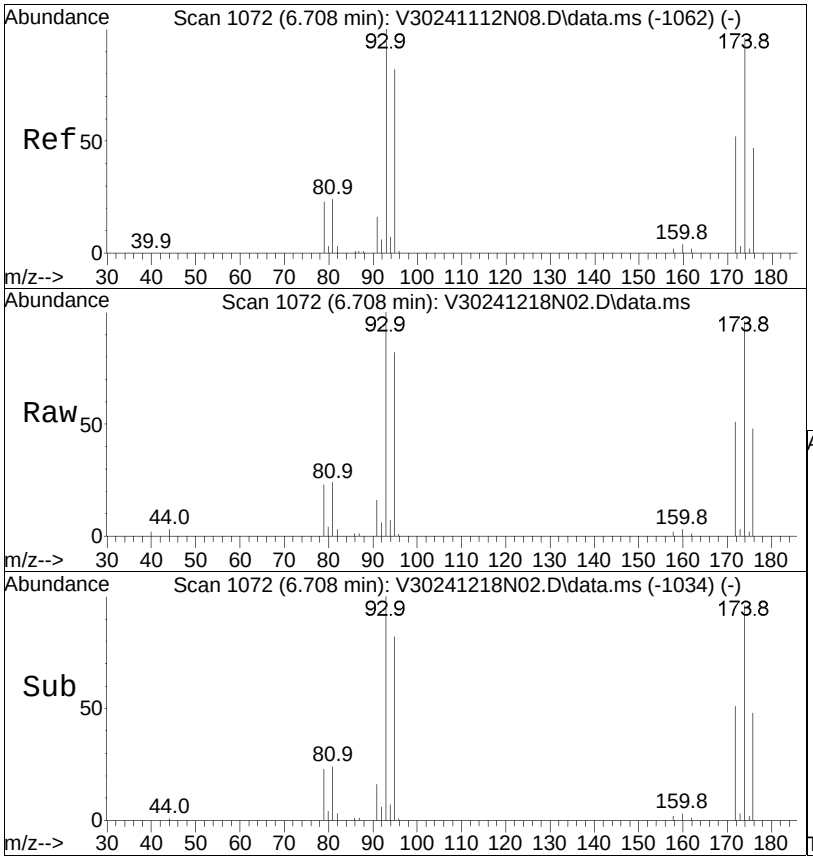


#52
Trichloroethene
Concen: 8.21 ug/L
RT: 6.267 min Scan# 988
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 95 Resp: 78083

Ion	Ratio	Lower	Upper
95	100		
97	67.6	53.8	80.6
130	94.9	71.4	107.0

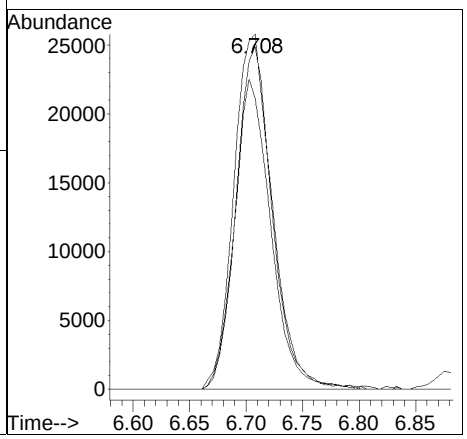


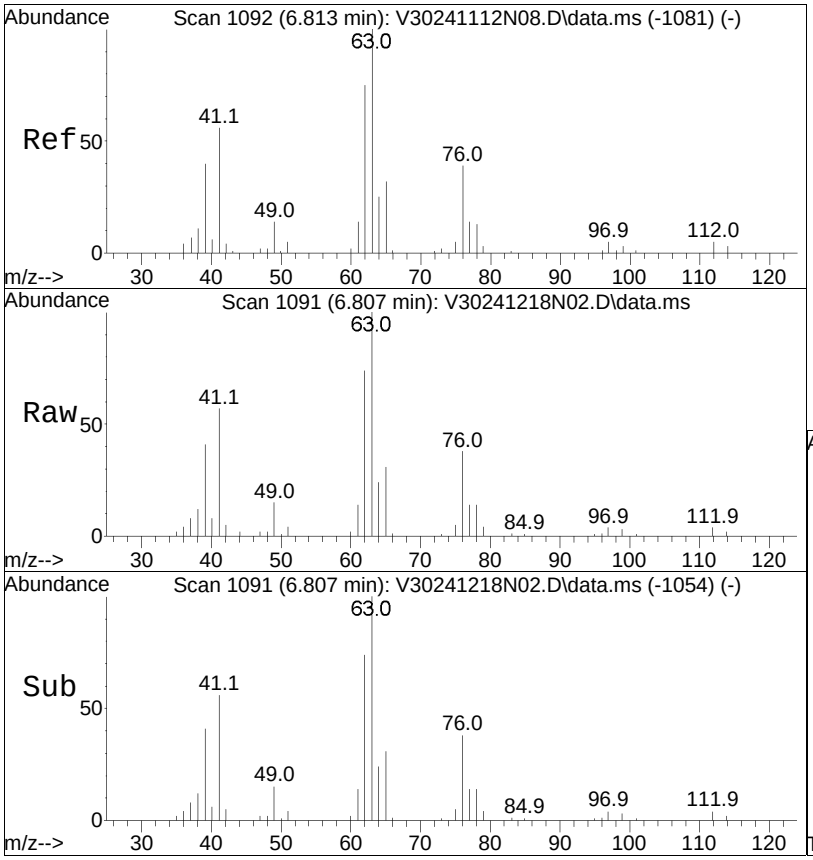


#54
Dibromomethane
Concen: 9.61 ug/L
RT: 6.708 min Scan# 1072
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 93 Resp: 60157

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.9	100.3
174	94.4	66.4	99.6

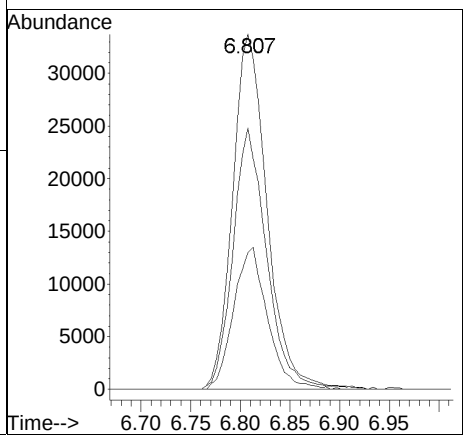


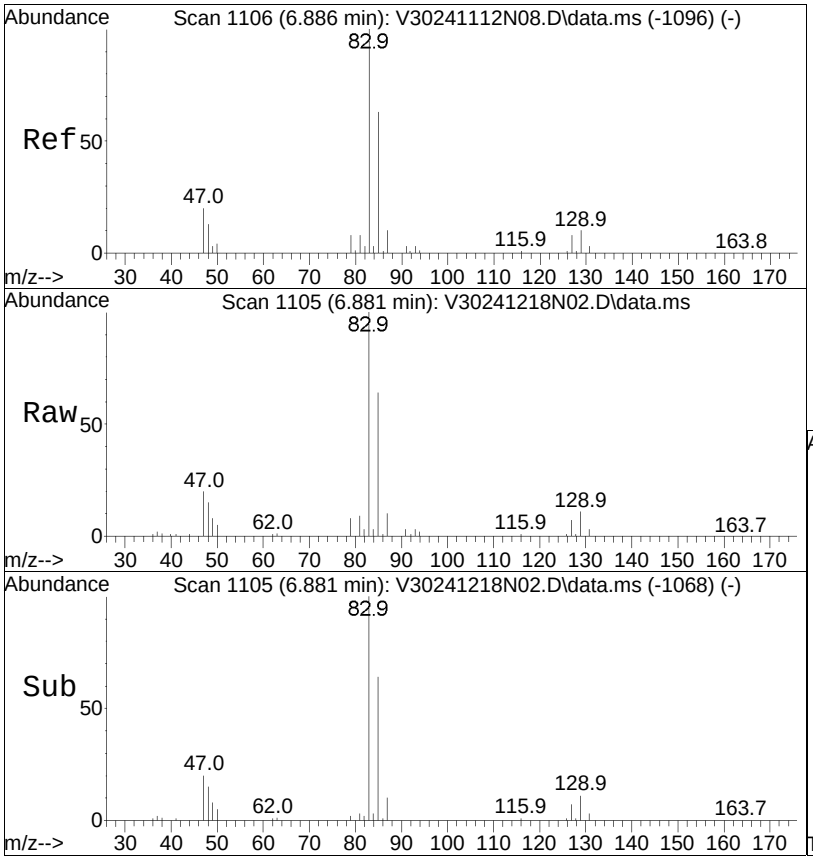


#55
1,2-Dichloropropane
Concen: 7.95 ug/L
RT: 6.807 min Scan# 1091
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 63 Resp: 81616

Ion	Ratio	Lower	Upper
63	100		
62	72.0	58.1	87.1
76	39.4	30.4	45.6

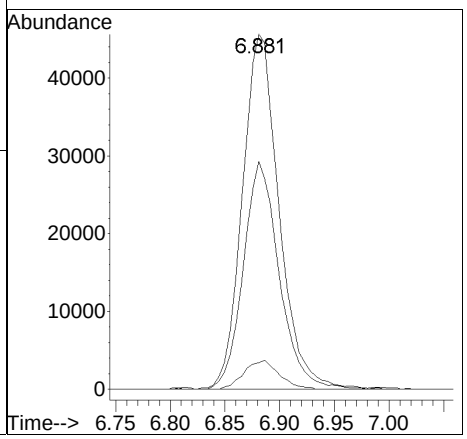


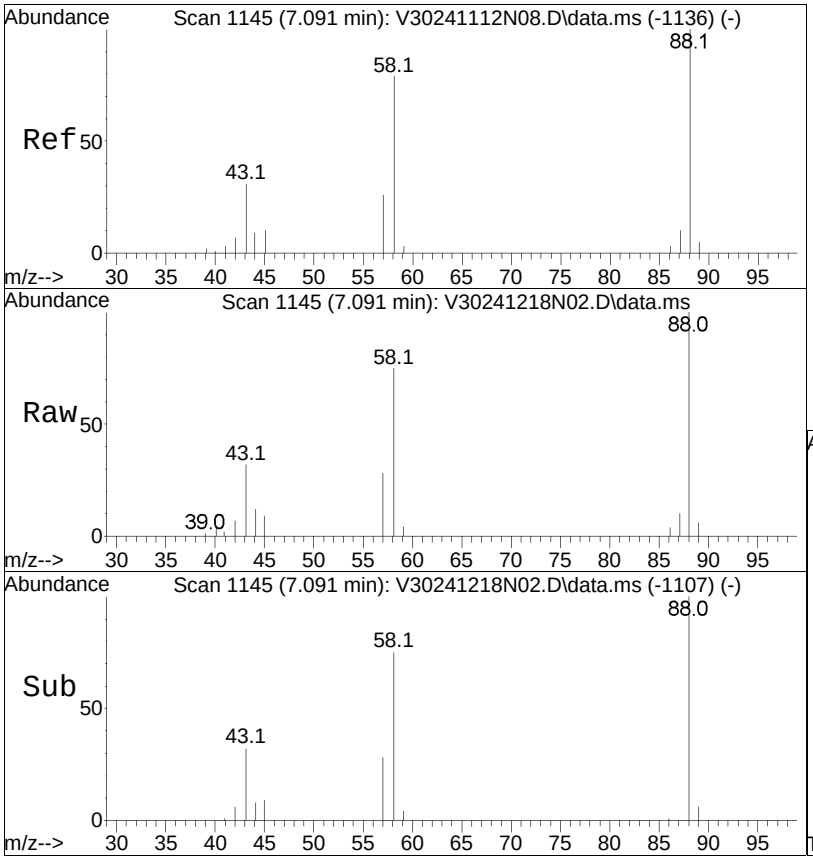


#58
Bromodichloromethane
Concen: 7.65 ug/L
RT: 6.881 min Scan# 1105
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 83 Resp: 106603

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.2
127	7.9	5.2	7.8#

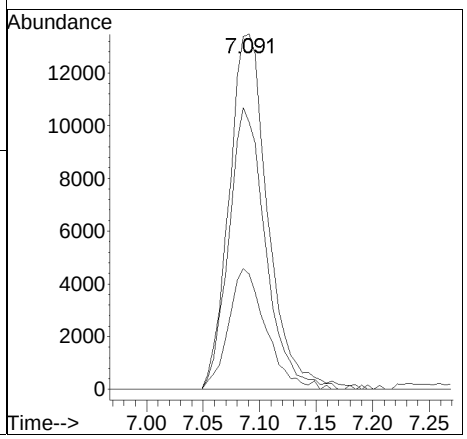


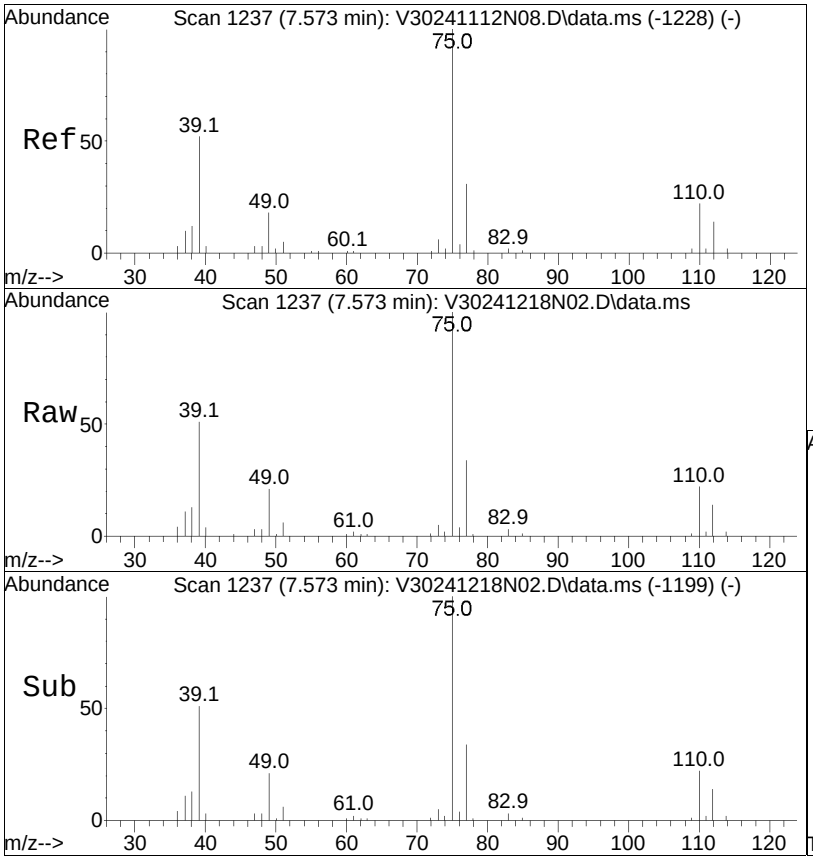


#61
1,4-Dioxane
Concen: 641.60 ug/L
RT: 7.091 min Scan# 1145
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 88 Resp: 32283

Ion	Ratio	Lower	Upper
88	100		
58	75.2	59.9	89.9
43	32.9	30.8	46.2

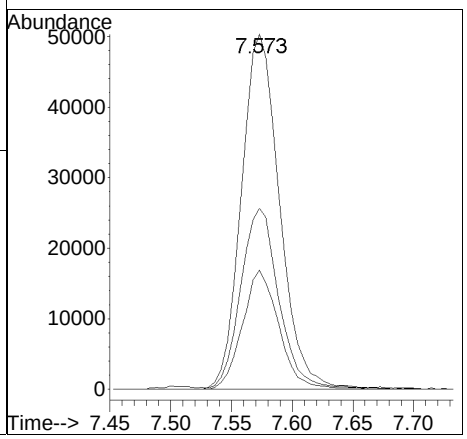


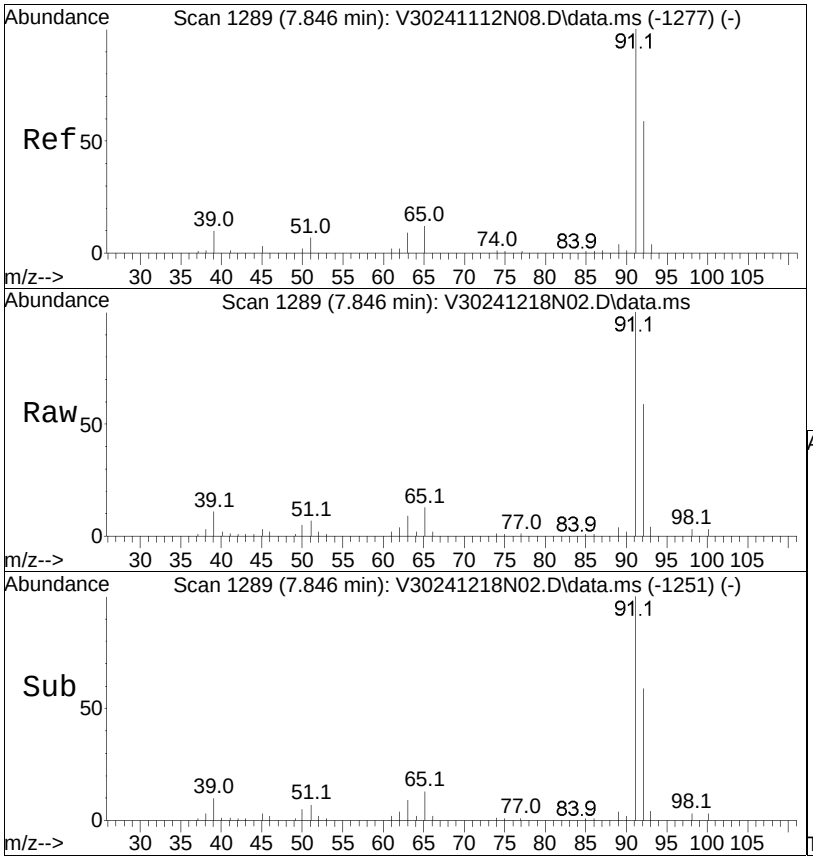


#62
cis-1,3-Dichloropropene
Concen: 7.73 ug/L
RT: 7.573 min Scan# 1237
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 75 Resp: 110304

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	51.1	54.6	82.0#

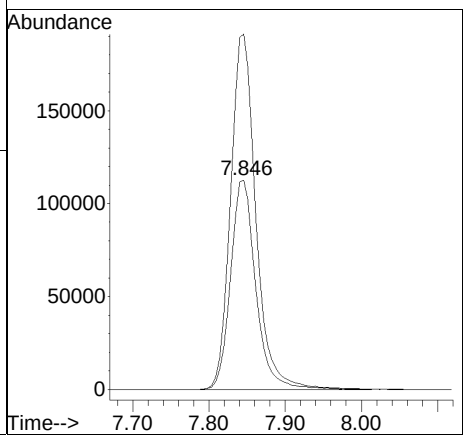


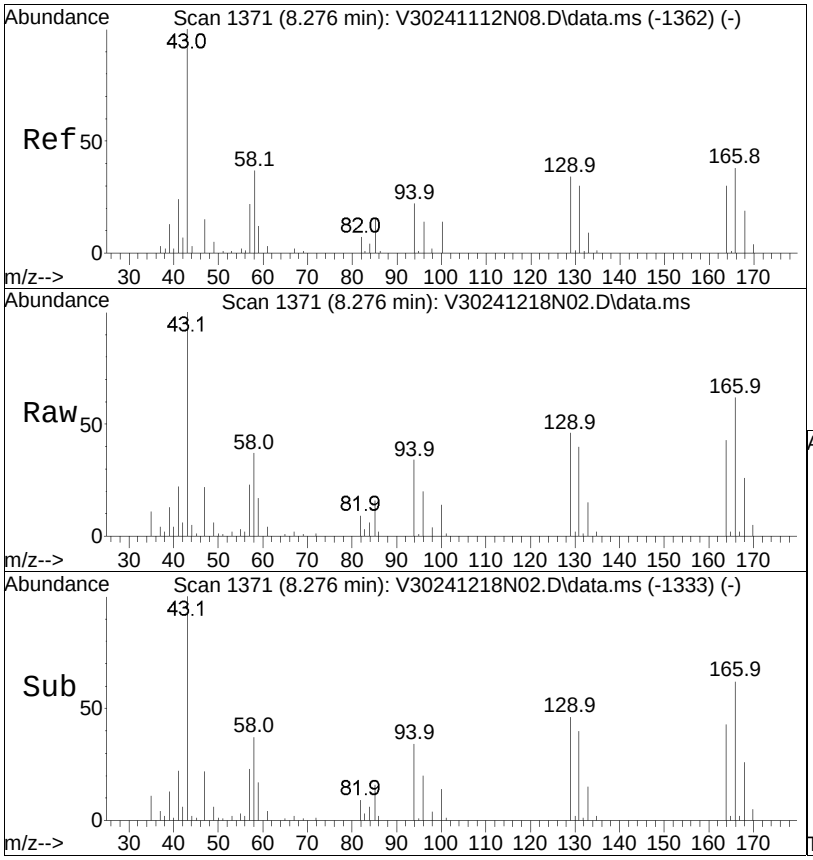


#65
Toluene
Concen: 9.82 ug/L
RT: 7.846 min Scan# 1289
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 92 Resp: 258542

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.5	206.3

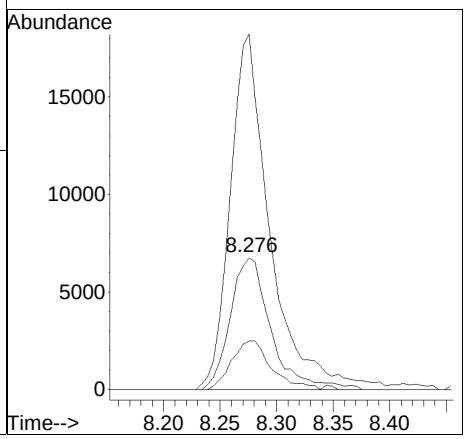


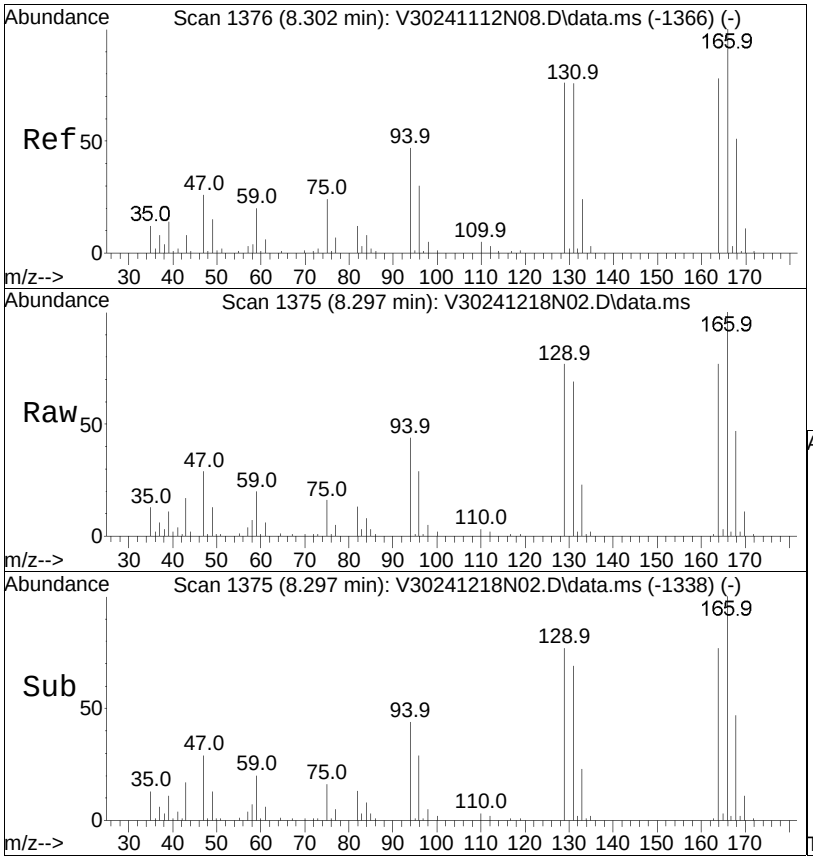


#66
4-Methyl-2-pentanone
Concen: 8.69 ug/L
RT: 8.276 min Scan# 1371
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 58 Resp: 16796

Ion	Ratio	Lower	Upper
58	100		
100	36.1	22.6	34.0#
43	266.2	234.6	351.8

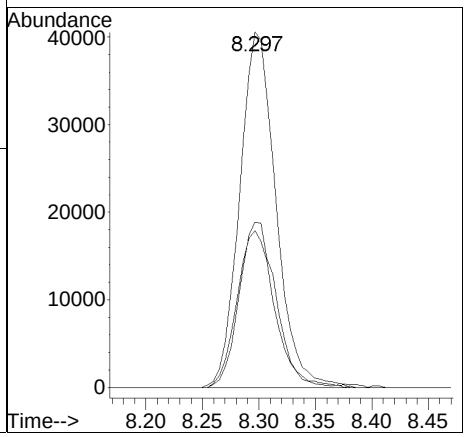


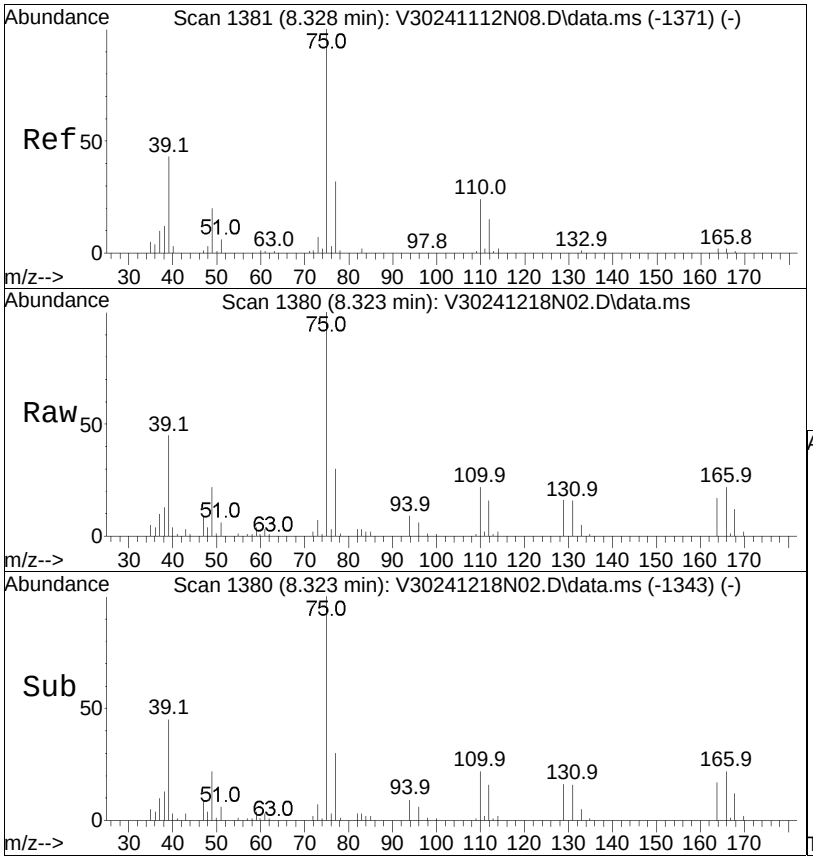


#67
Tetrachloroethene
Concen: 9.50 ug/L
RT: 8.297 min Scan# 1375
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:166 Resp: 90748

Ion	Ratio	Lower	Upper
166	100		
168	47.6	38.6	58.0
94	45.3	42.6	63.8

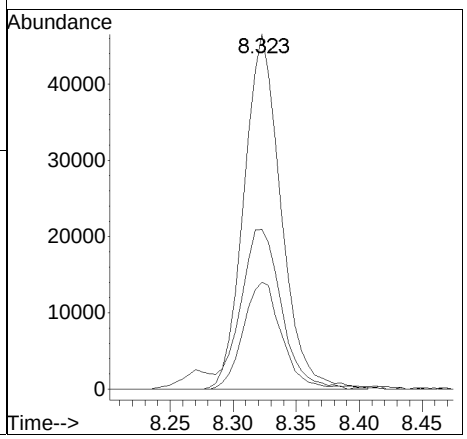


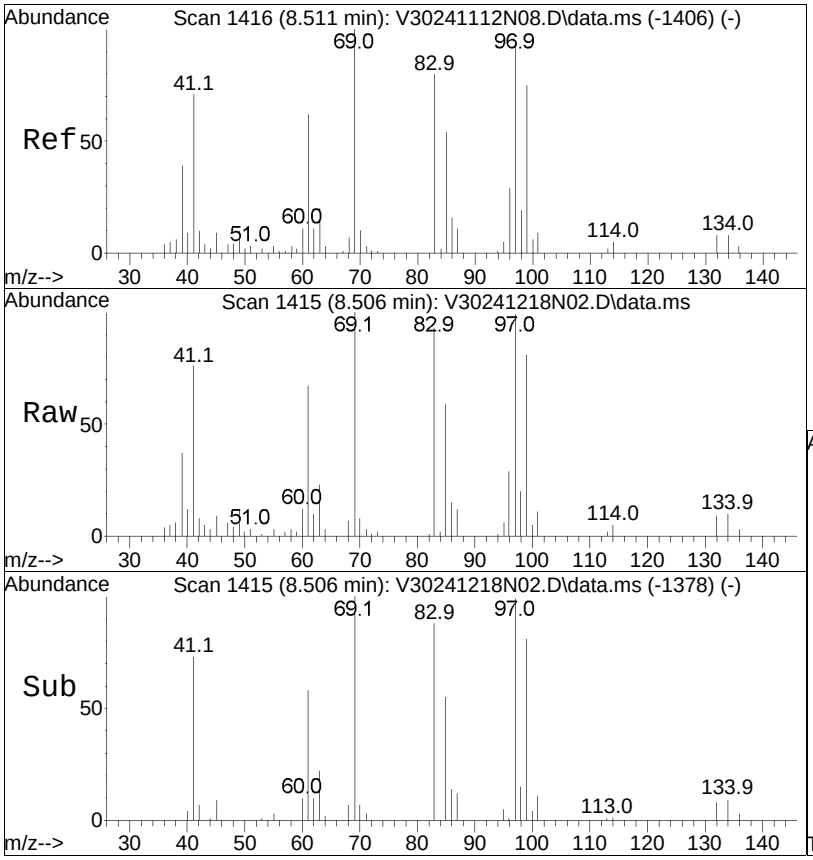


#69
trans-1,3-Dichloropropene
Concen: 7.80 ug/L
RT: 8.323 min Scan# 1380
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 75 Resp: 95440

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	48.6	60.2	90.4#

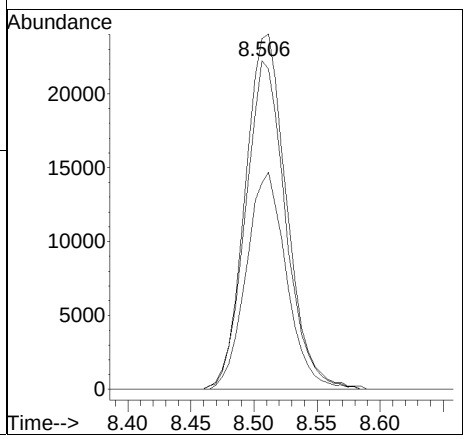


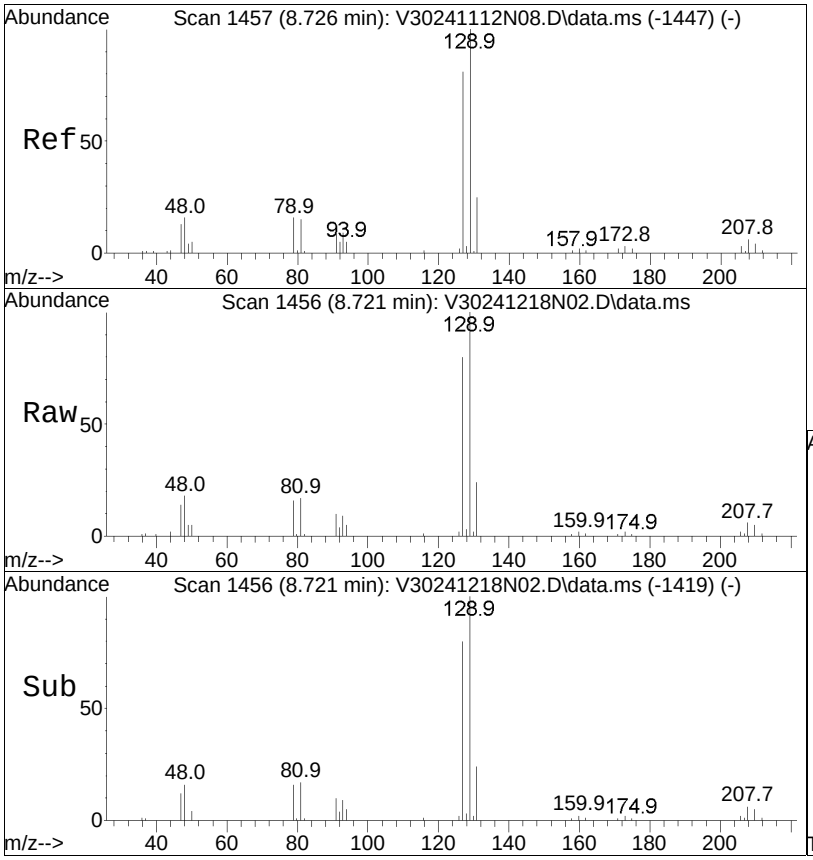


#72
1,1,2-Trichloroethane
Concen: 8.40 ug/L
RT: 8.506 min Scan# 1415
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 83 Resp: 49278

Ion	Ratio	Lower	Upper
83	100		
97	111.9	87.7	131.5
85	66.5	53.1	79.7

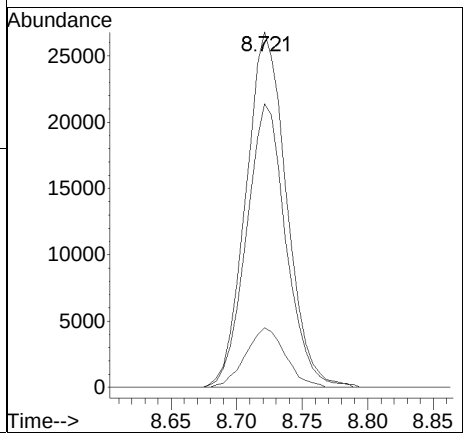


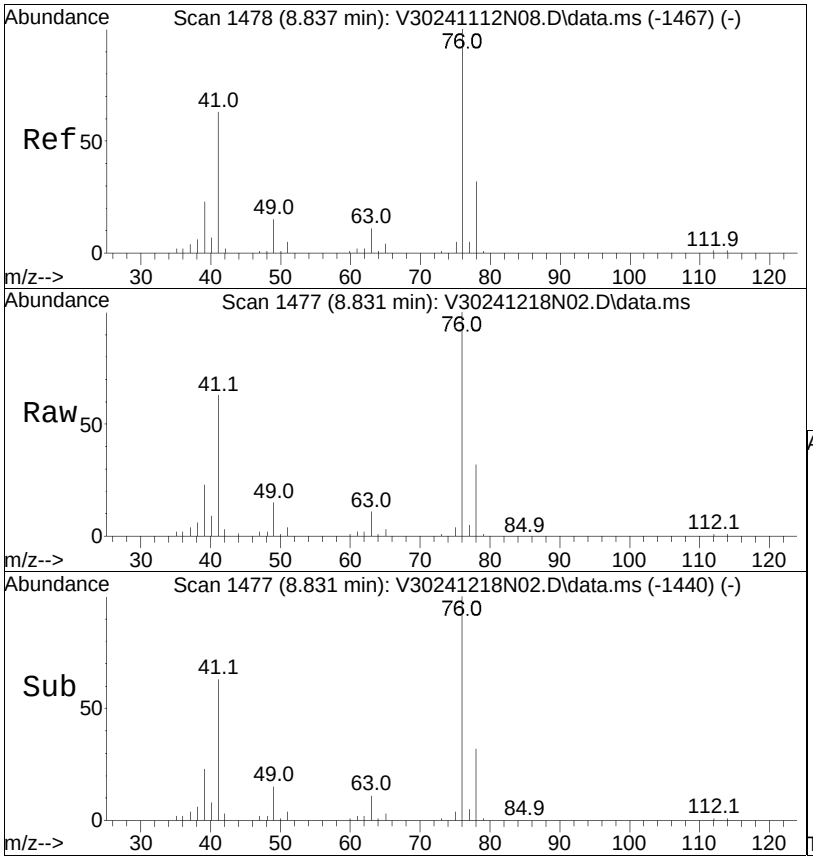


#73
Chlorodibromomethane
Concen: 7.21 ug/L
RT: 8.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:129 Resp: 57801

Ion	Ratio	Lower	Upper
129	100		
81	16.5	14.6	22.0
127	78.1	62.6	93.8

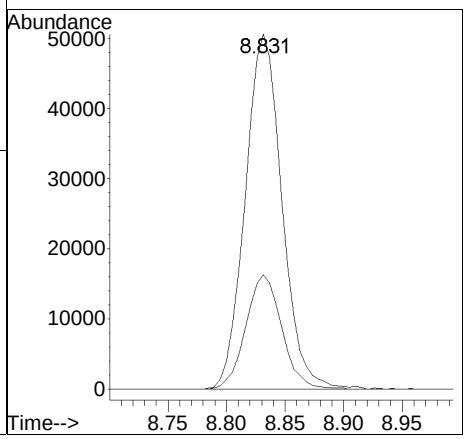


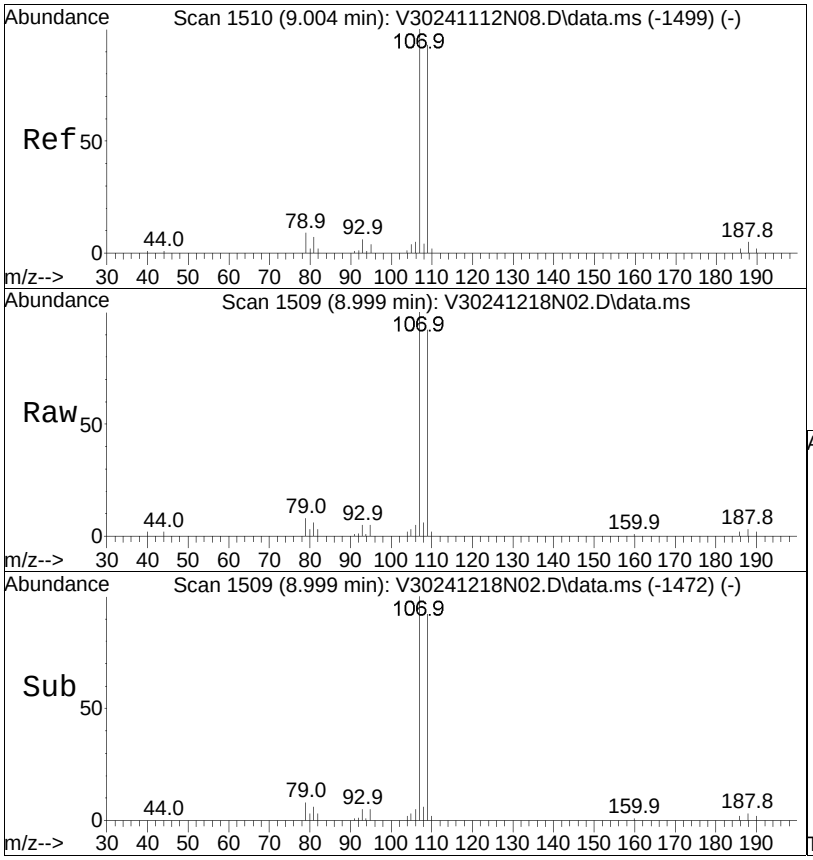


#74
1,3-Dichloropropane
Concen: 8.58 ug/L
RT: 8.831 min Scan# 1477
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 76 Resp: 110762

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.9	38.9

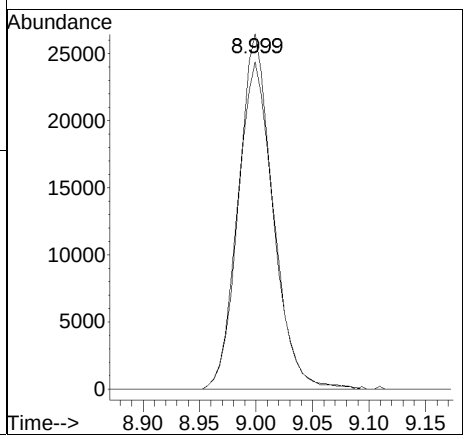


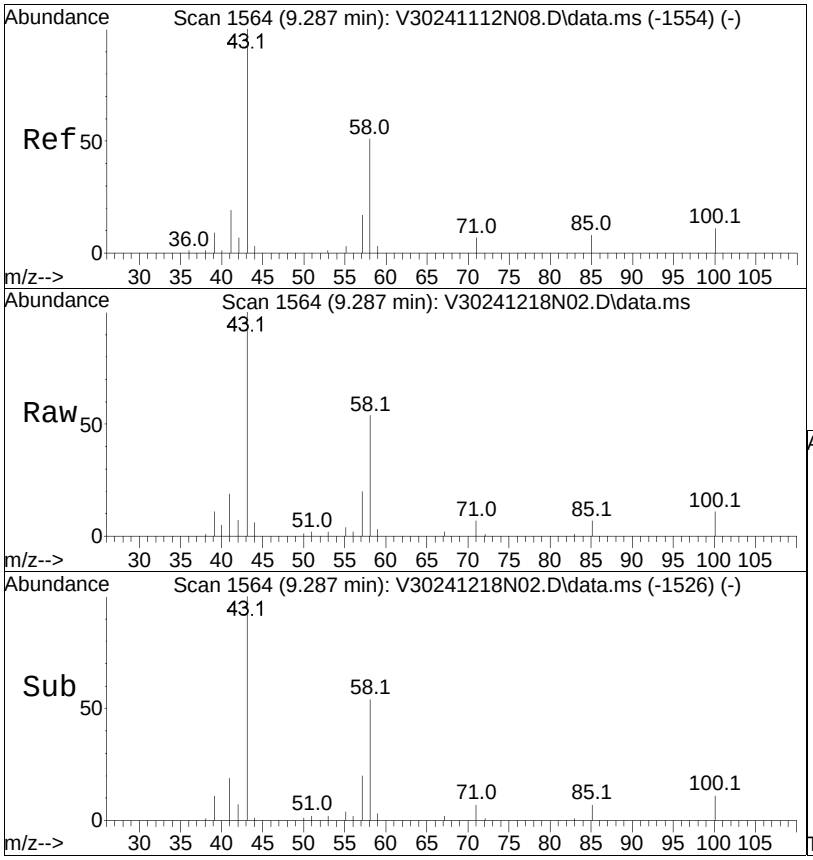


#75
1,2-Dibromoethane
Concen: 9.08 ug/L
RT: 8.999 min Scan# 1509
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:107 Resp: 56590

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.4

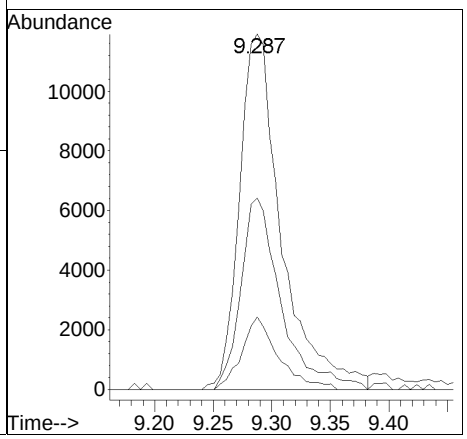


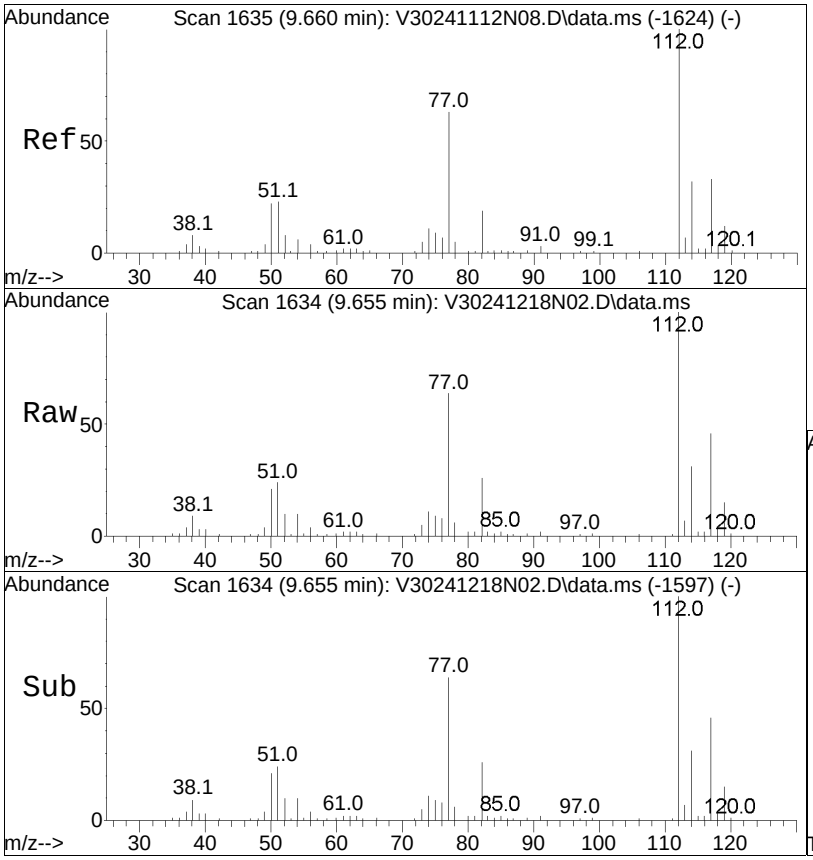


#77
2-Hexanone
Concen: 8.43 ug/L
RT: 9.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 43 Resp: 29879

Ion	Ratio	Lower	Upper
43	100		
58	51.4	38.6	58.0
57	17.8	14.1	21.1

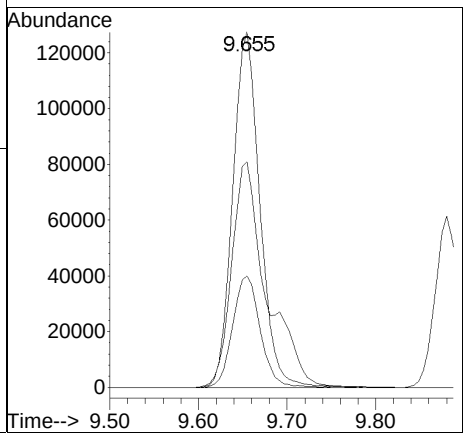


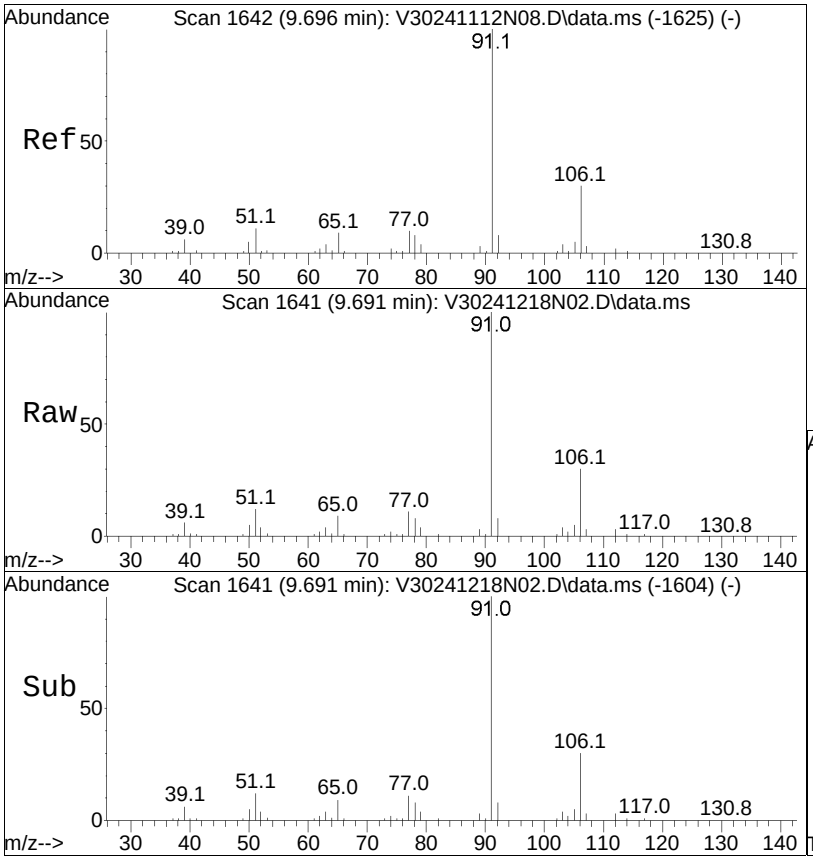


#78
Chlorobenzene
Concen: 9.64 ug/L
RT: 9.655 min Scan# 1634
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:112 Resp: 270850

Ion	Ratio	Lower	Upper
112	100		
77	81.8	54.8	82.2
114	31.9	25.4	38.0

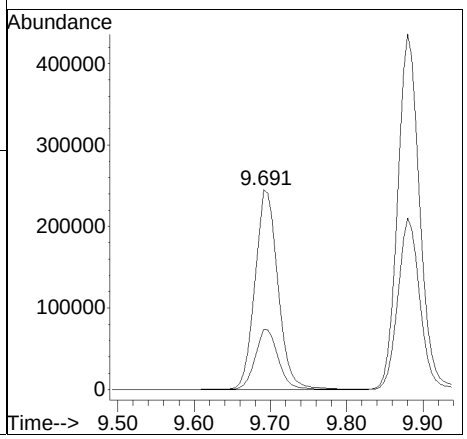


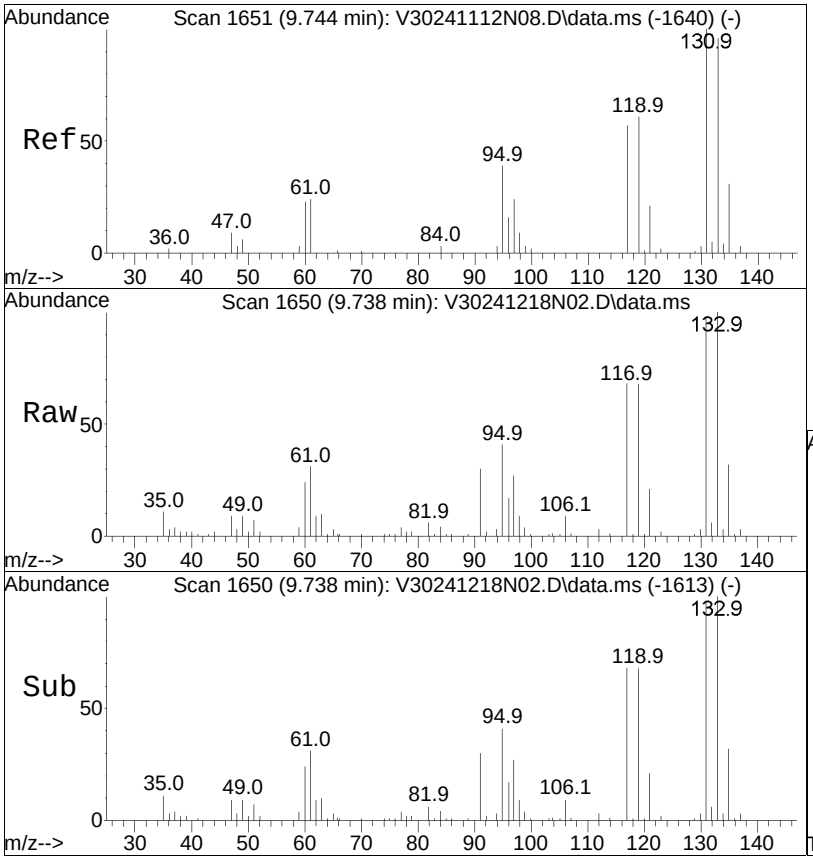


#79
Ethylbenzene
Concen: 9.91 ug/L
RT: 9.691 min Scan# 1641
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 91 Resp: 513612

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.2

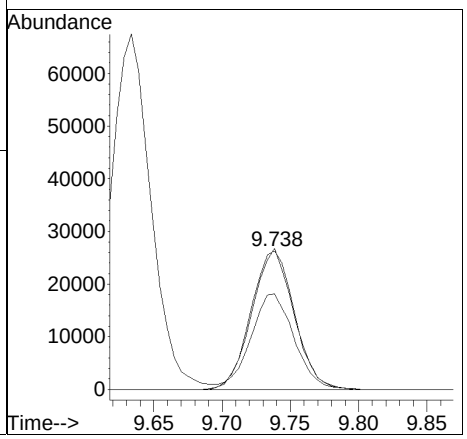


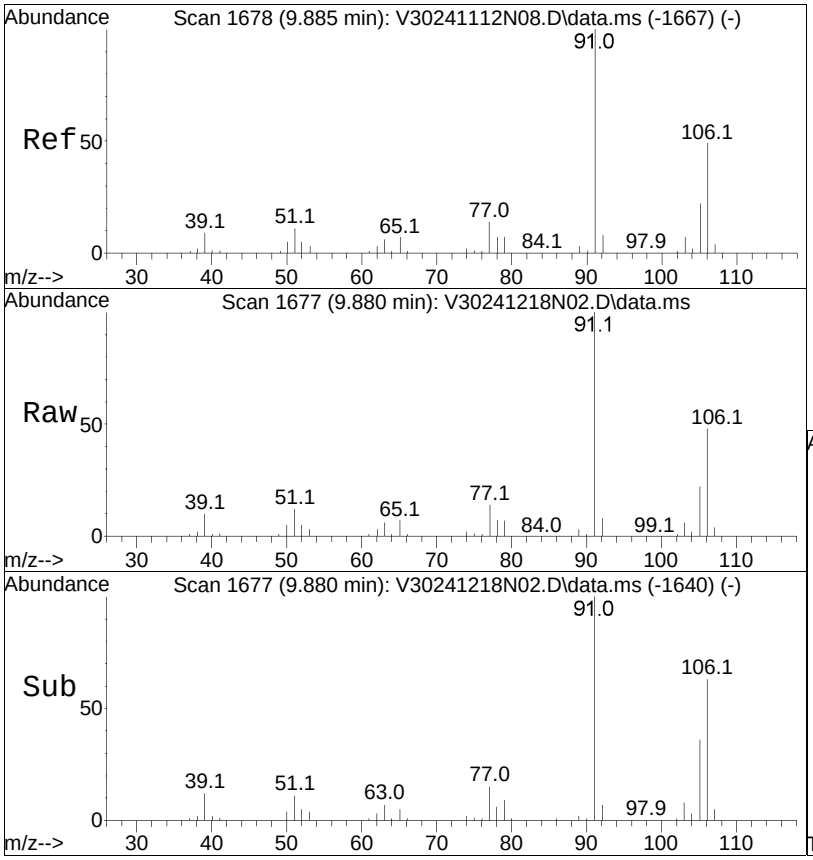


#80
1,1,1,2-Tetrachloroethane
Concen: 7.74 ug/L
RT: 9.738 min Scan# 1650
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:131 Resp: 58497

Ion	Ratio	Lower	Upper
131	100		
133	97.1	76.0	114.0
119	68.2	54.7	82.1

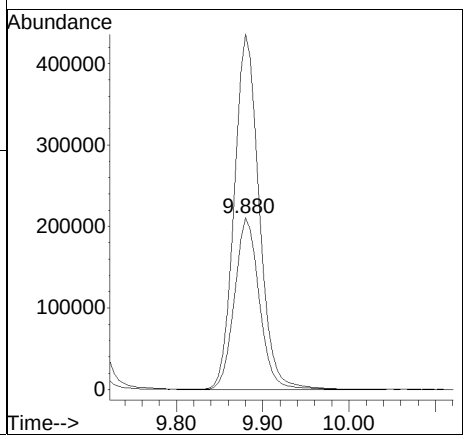


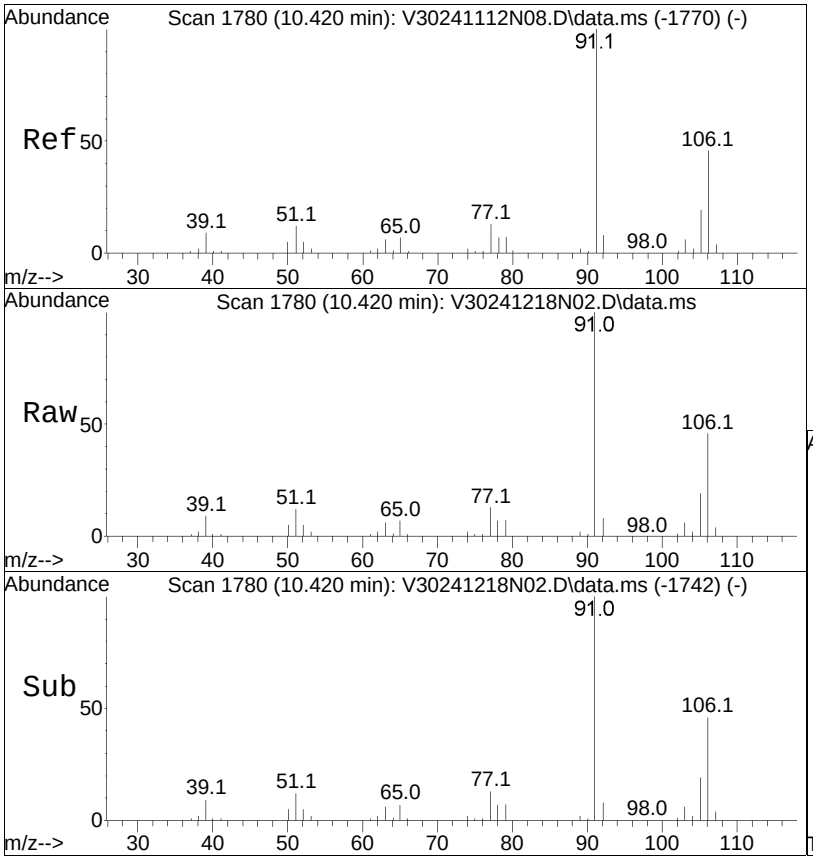


#81
p/m Xylene
Concen: 20.19 ug/L
RT: 9.880 min Scan# 1677
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:106 Resp: 420904

Ion	Ratio	Lower	Upper
106	100		
91	207.2	171.4	257.2

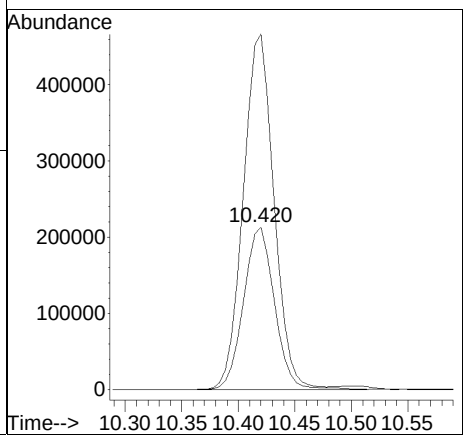


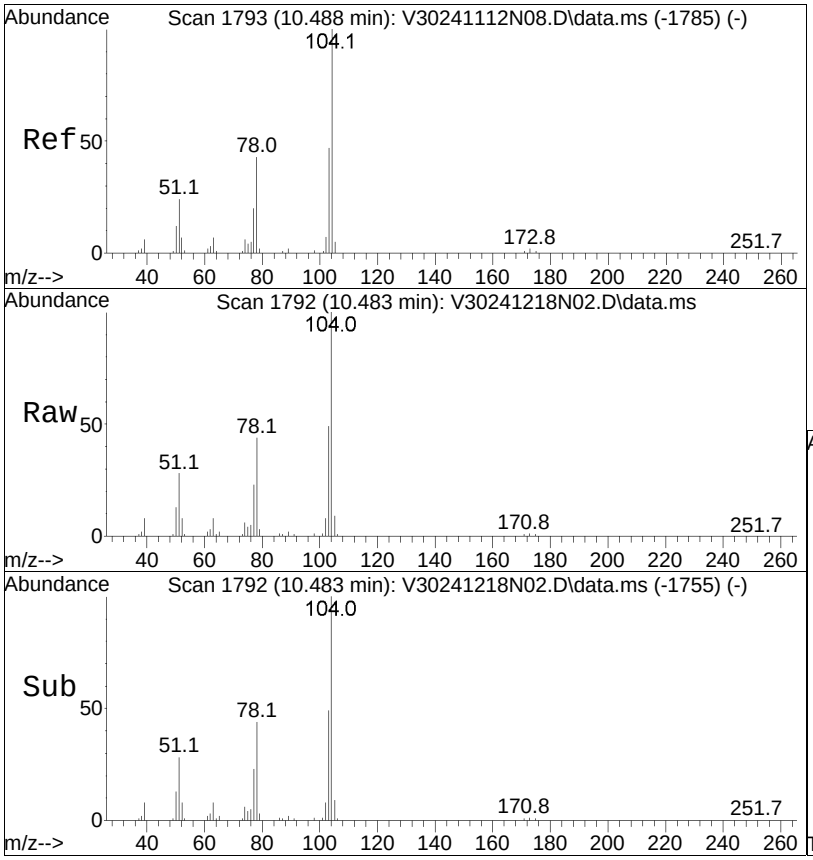


#82
o Xylene
Concen: 20.15 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:106 Resp: 404274

Ion	Ratio	Lower	Upper
106	100		
91	217.5	179.2	268.8

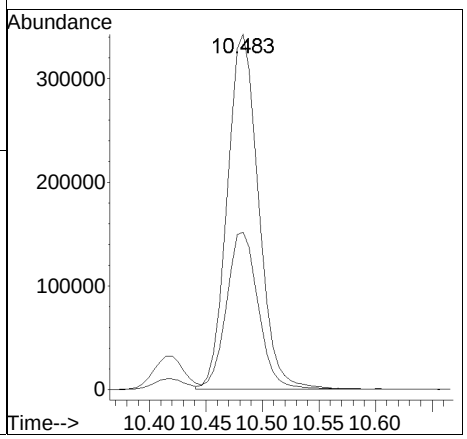


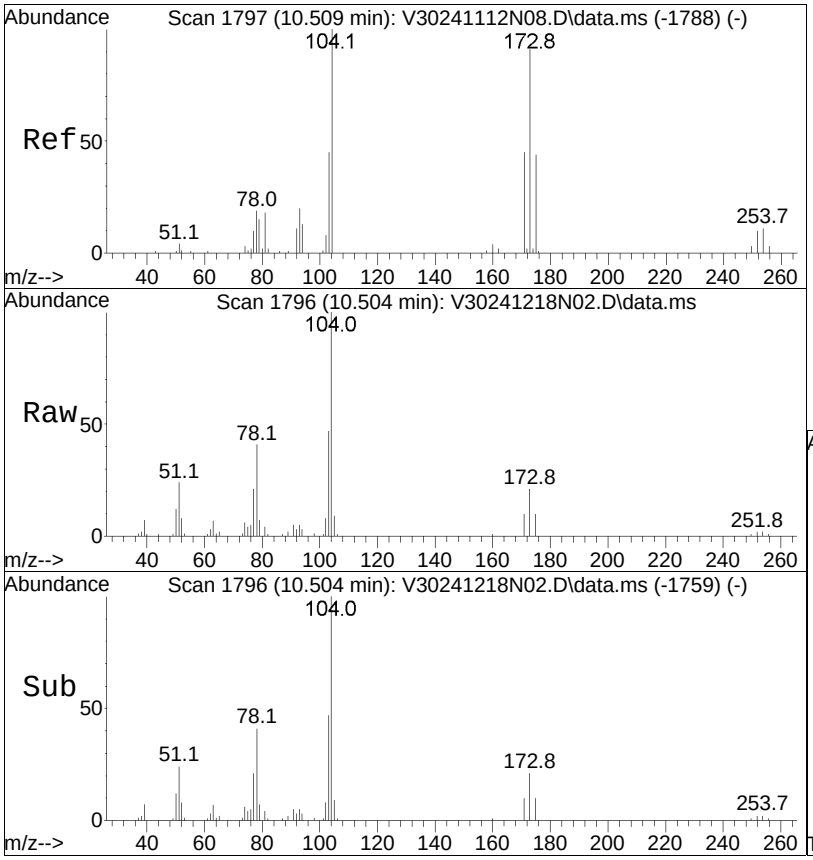


#83
Styrene
Concen: 20.01 ug/L
RT: 10.483 min Scan# 1792
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:104 Resp: 659798

Ion	Ratio	Lower	Upper
104	100		
78	44.8	38.1	57.1

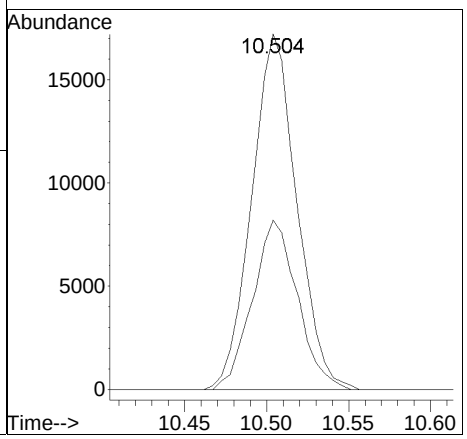


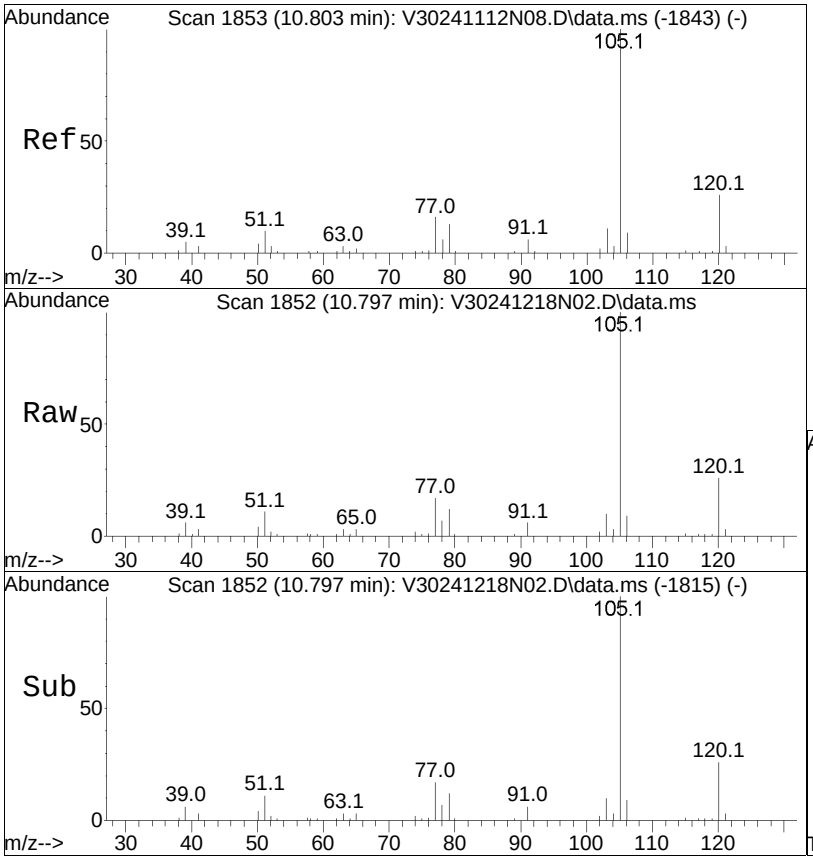


#85
Bromoform
Concen: 6.92 ug/L
RT: 10.504 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:173 Resp: 32866

Ion	Ratio	Lower	Upper
173	100		
175	47.4	37.8	56.6

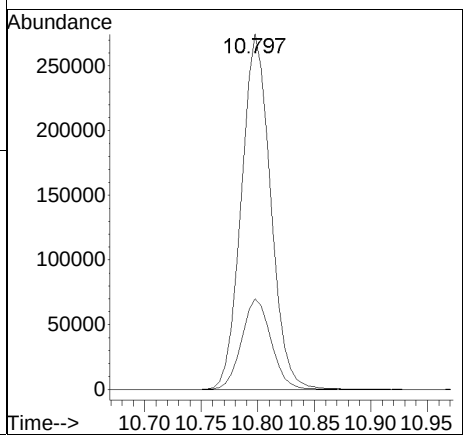


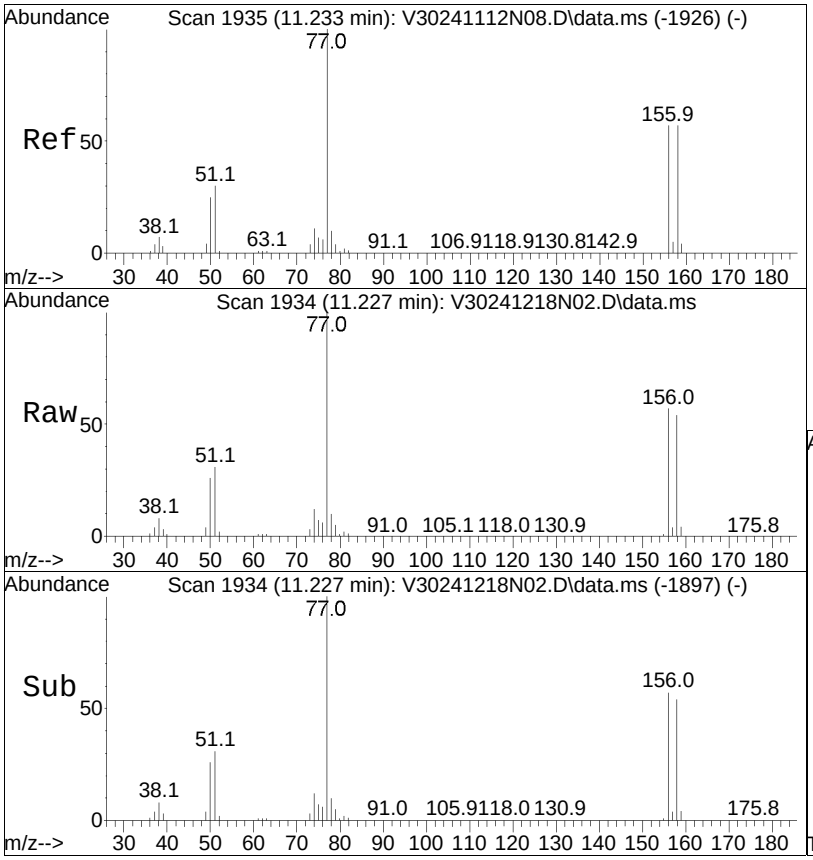


#87
Isopropylbenzene
Concen: 9.64 ug/L
RT: 10.797 min Scan# 1852
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:105 Resp: 493170

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.0	30.0

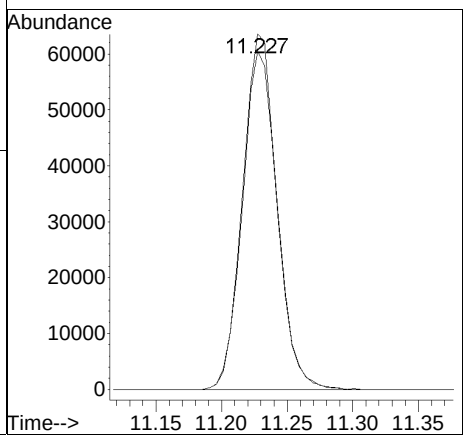


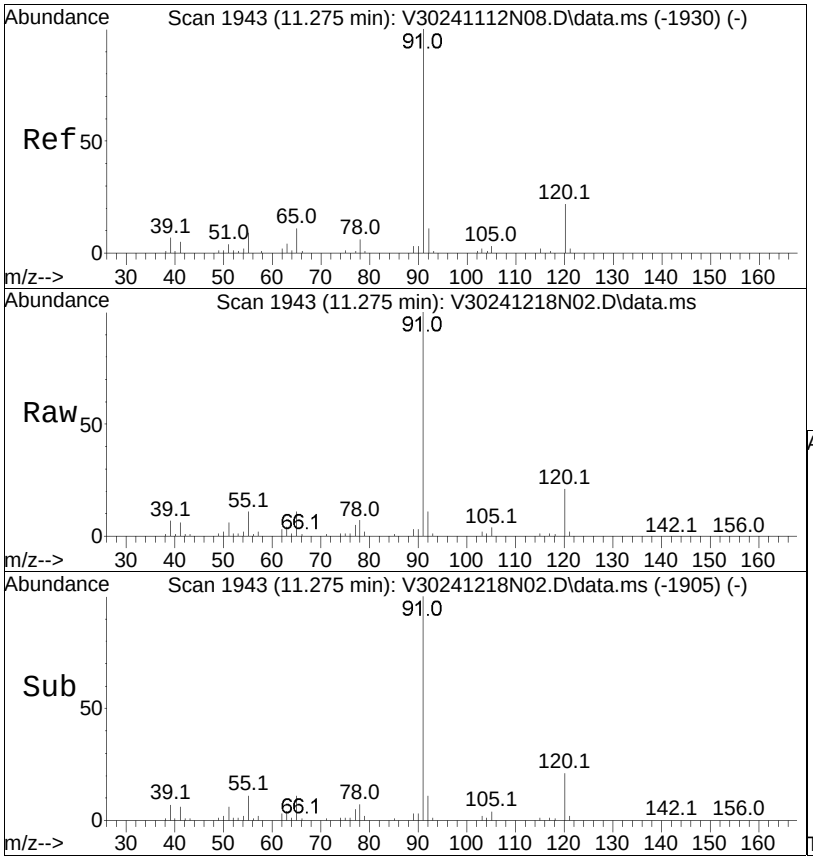


#89
Bromobenzene
Concen: 9.39 ug/L
RT: 11.227 min Scan# 1934
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:156 Resp: 116103

Ion	Ratio	Lower	Upper
156	100		
158	95.8	78.3	117.5

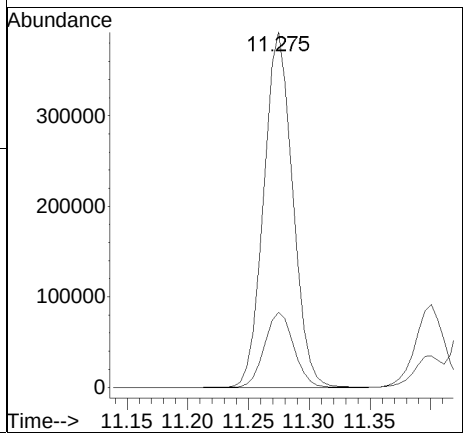


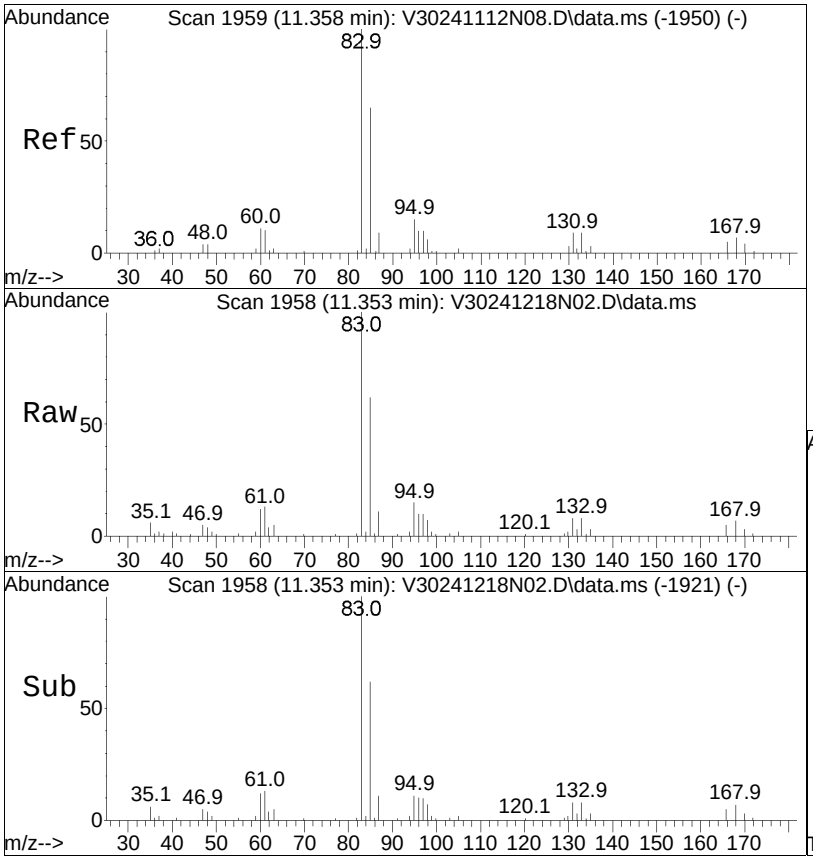


#90
n-Propylbenzene
Concen: 10.11 ug/L
RT: 11.275 min Scan# 1943
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 91 Resp: 650904

Ion	Ratio	Lower	Upper
91	100		
120	21.3	16.3	24.5

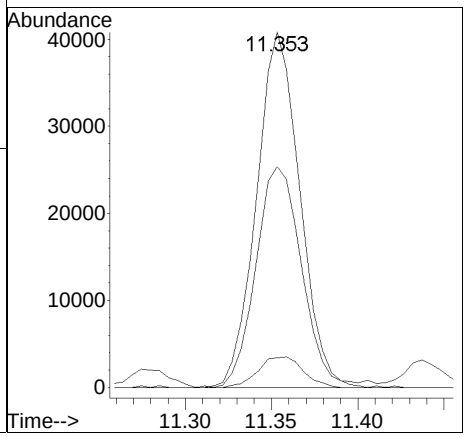


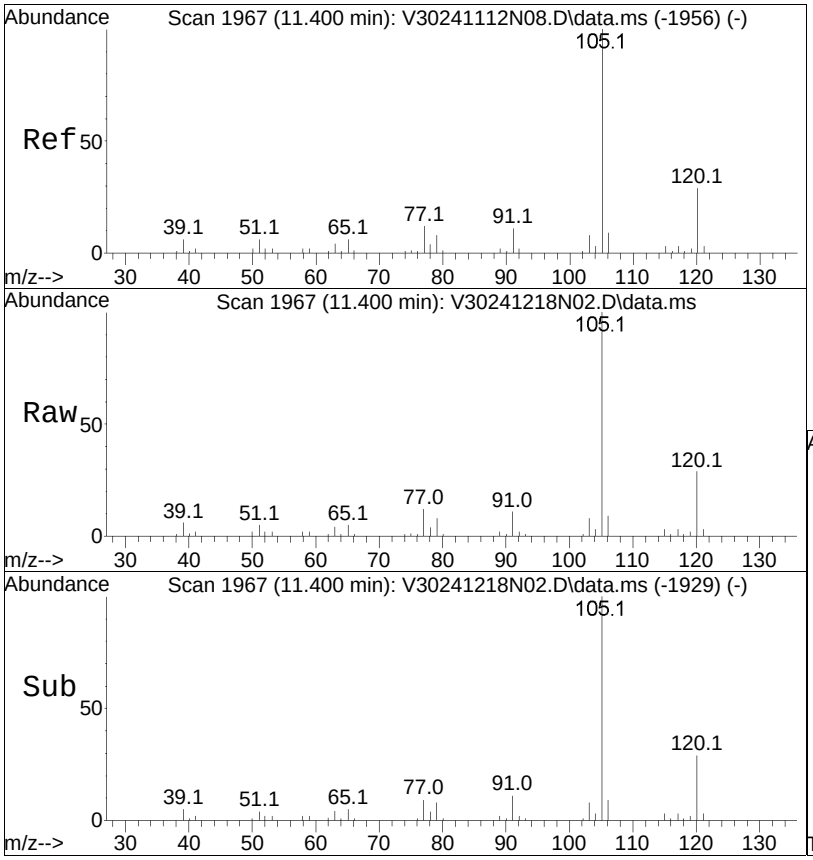


#92
1,1,2,2-Tetrachloroethane
Concen: 8.87 ug/L
RT: 11.353 min Scan# 1958
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 83 Resp: 71070

Ion	Ratio	Lower	Upper
83	100		
131	9.0	6.6	10.0
85	65.8	51.8	77.6

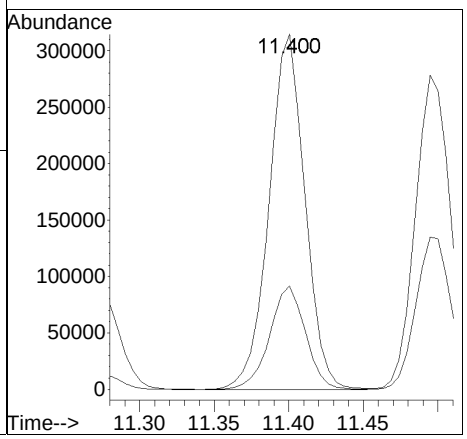


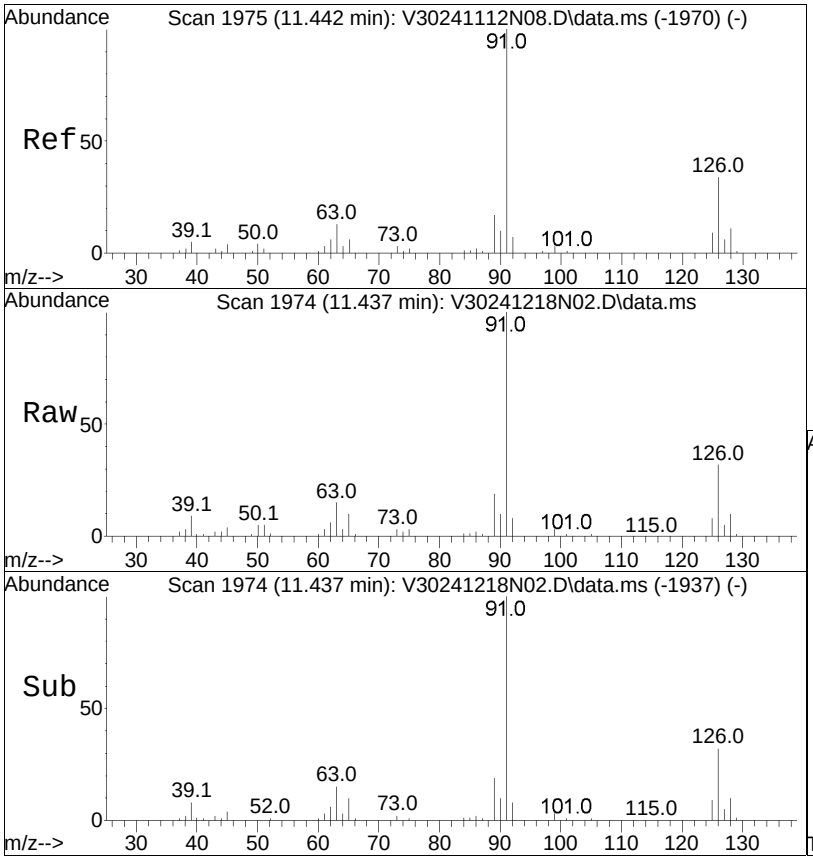


#93
4-Ethyltoluene
Concen: 9.86 ug/L
RT: 11.400 min Scan# 1967
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:105 Resp: 525960

Ion	Ratio	Lower	Upper
105	100		
120	29.1	18.5	38.3

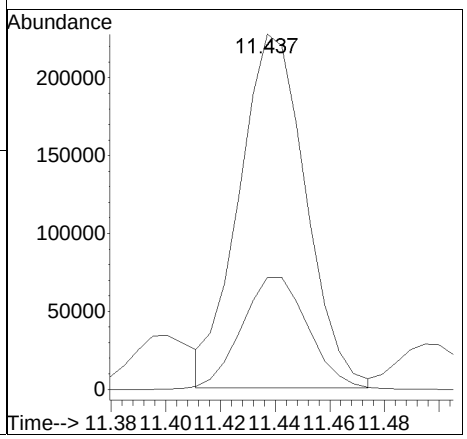


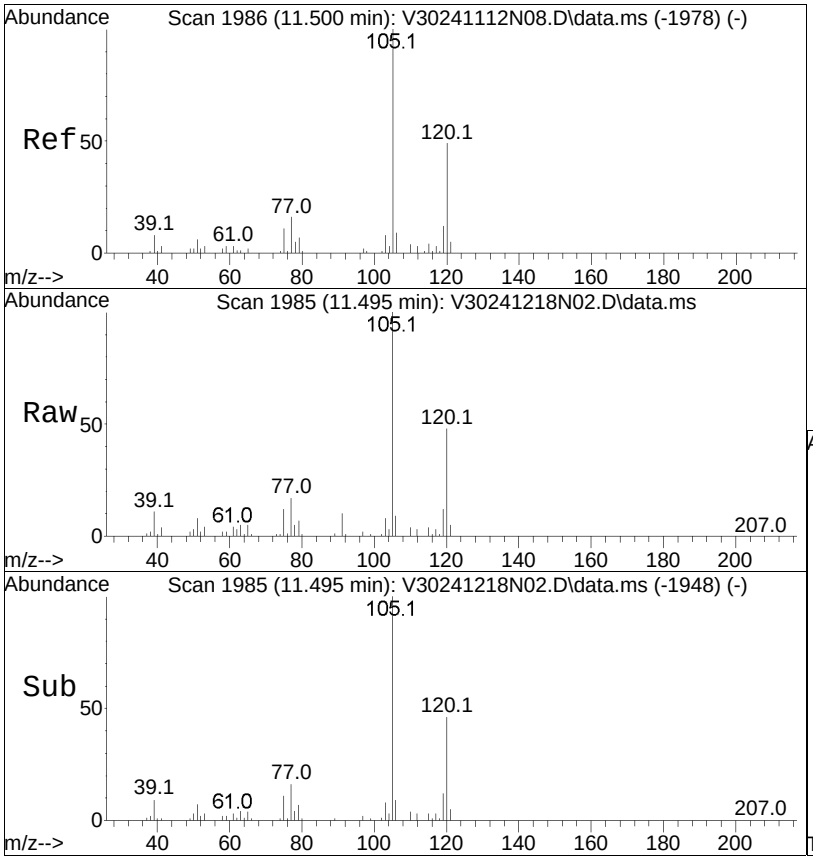


#94
2-Chlorotoluene
Concen: 9.77 ug/L
RT: 11.437 min Scan# 1974
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 91 Resp: 385867

Ion	Ratio	Lower	Upper
91	100		
126	31.9	20.6	31.0#

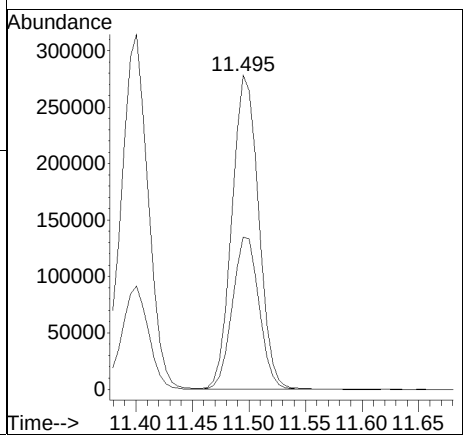


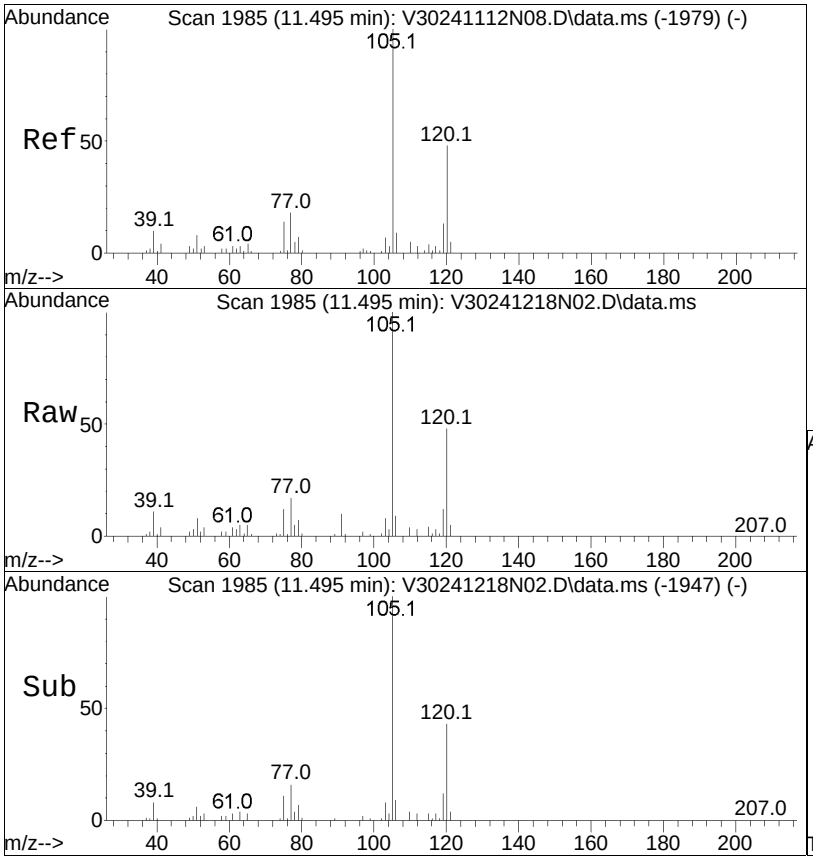


#95
1,3,5-Trimethylbenzene
Concen: 9.79 ug/L
RT: 11.495 min Scan# 1985
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:105 Resp: 457409

Ion	Ratio	Lower	Upper
105	100		
120	48.4	37.8	56.6

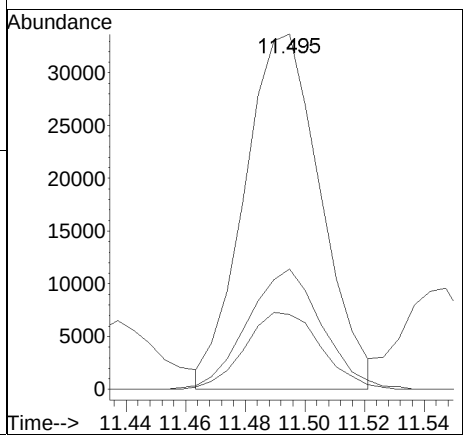


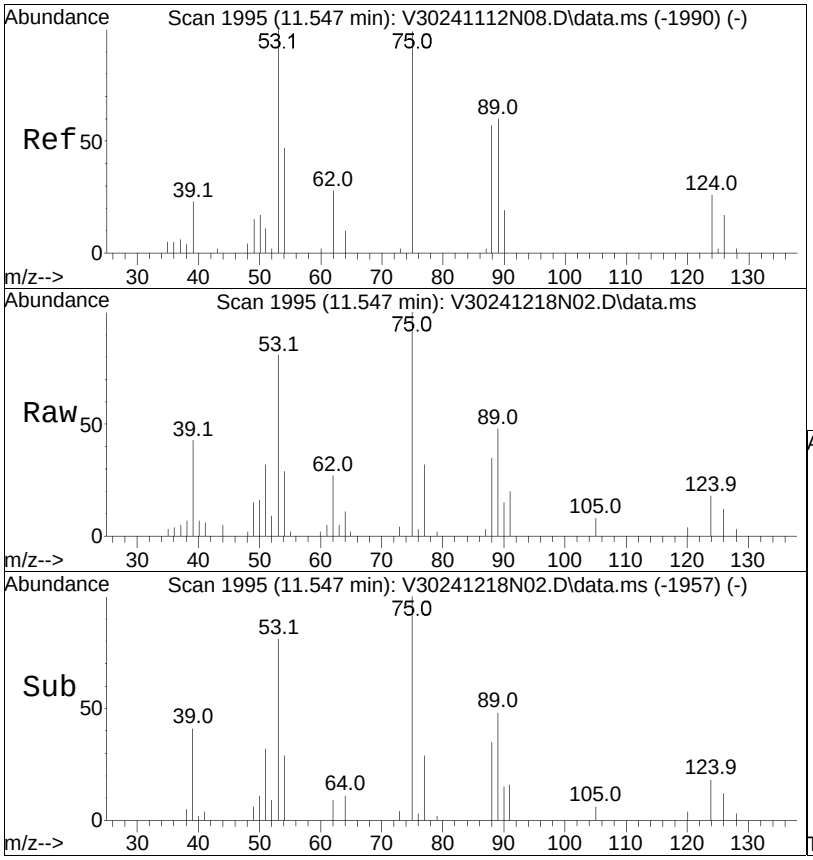


#96
1,2,3-Trichloropropane
Concen: 9.16 ug/L
RT: 11.495 min Scan# 1985
Delta R.T. -0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 75 Resp: 59857

Ion	Ratio	Lower	Upper
75	100		
110	33.1	18.4	38.2
112	21.7	12.0	25.0

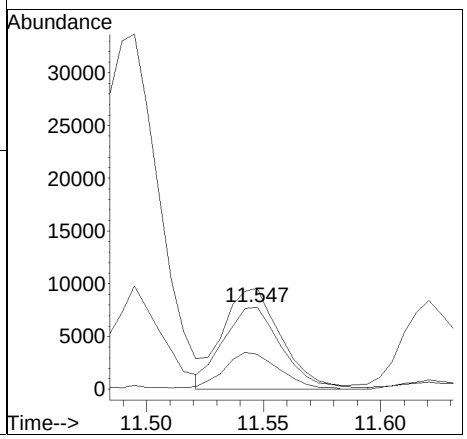


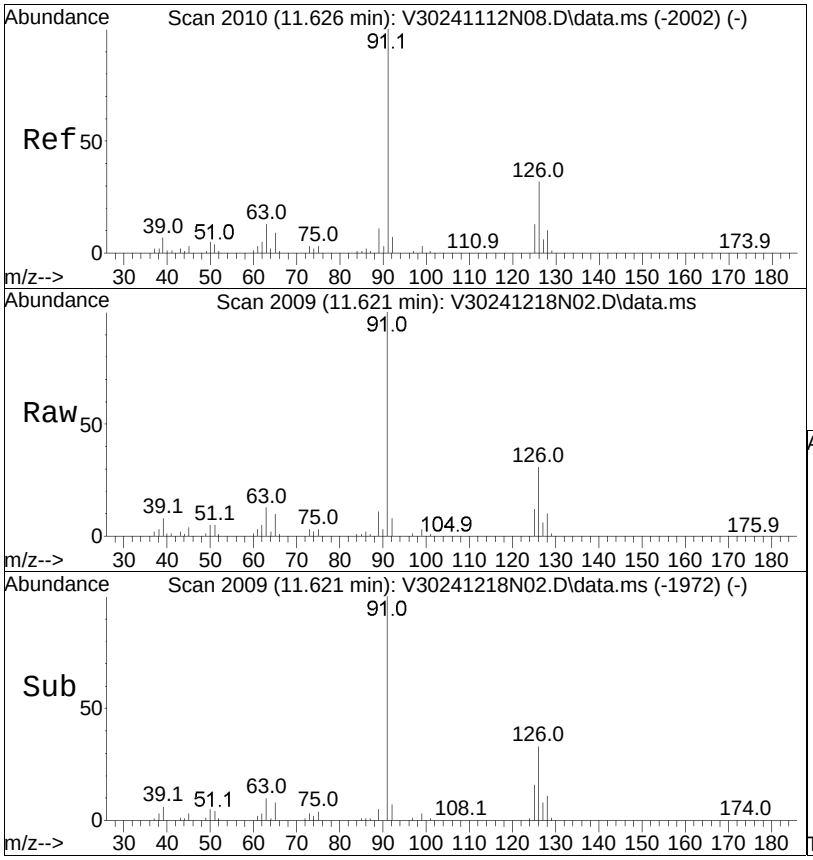


#97
trans-1,4-Dichloro-2-butene
Concen: 7.02 ug/L
RT: 11.547 min Scan# 1995
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 53 Resp: 13660

Ion	Ratio	Lower	Upper
53	100		
88	43.1	33.5	50.3
75	121.9	94.6	141.8

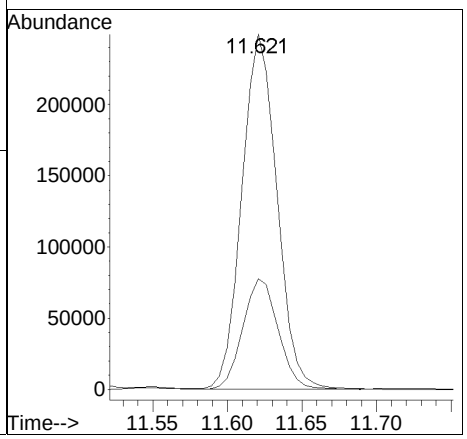


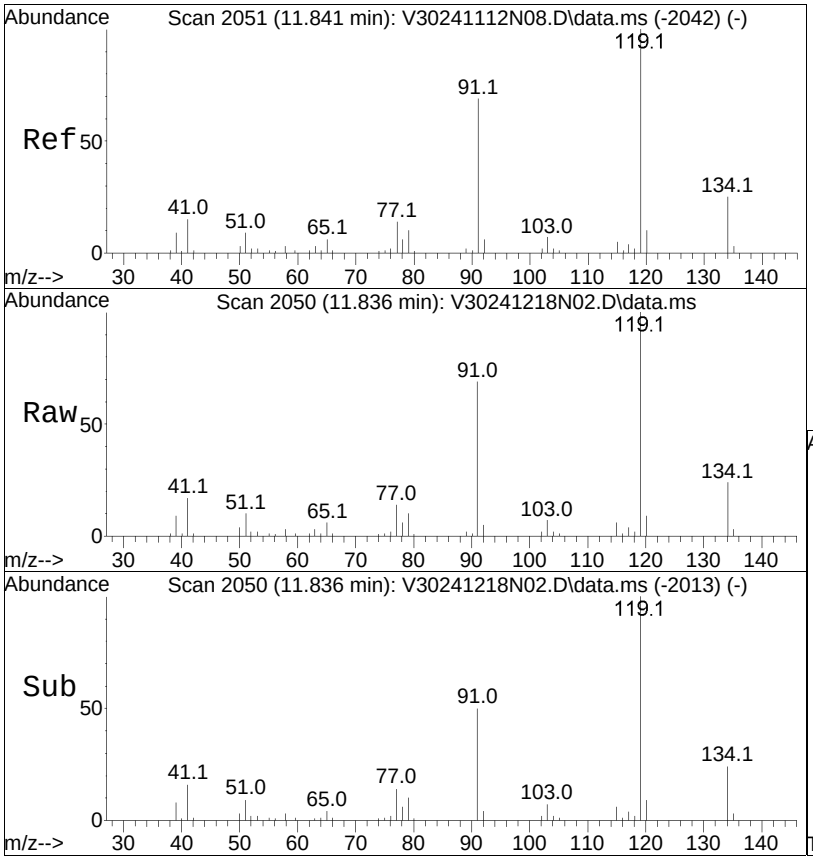


#98
4-Chlorotoluene
Concen: 9.85 ug/L
RT: 11.621 min Scan# 2009
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 91 Resp: 405586

Ion	Ratio	Lower	Upper
91	100		
126	31.7	23.8	35.8

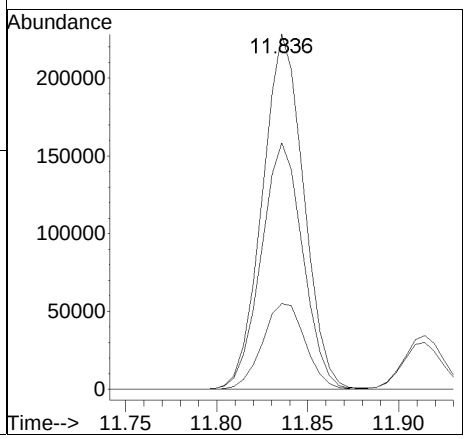


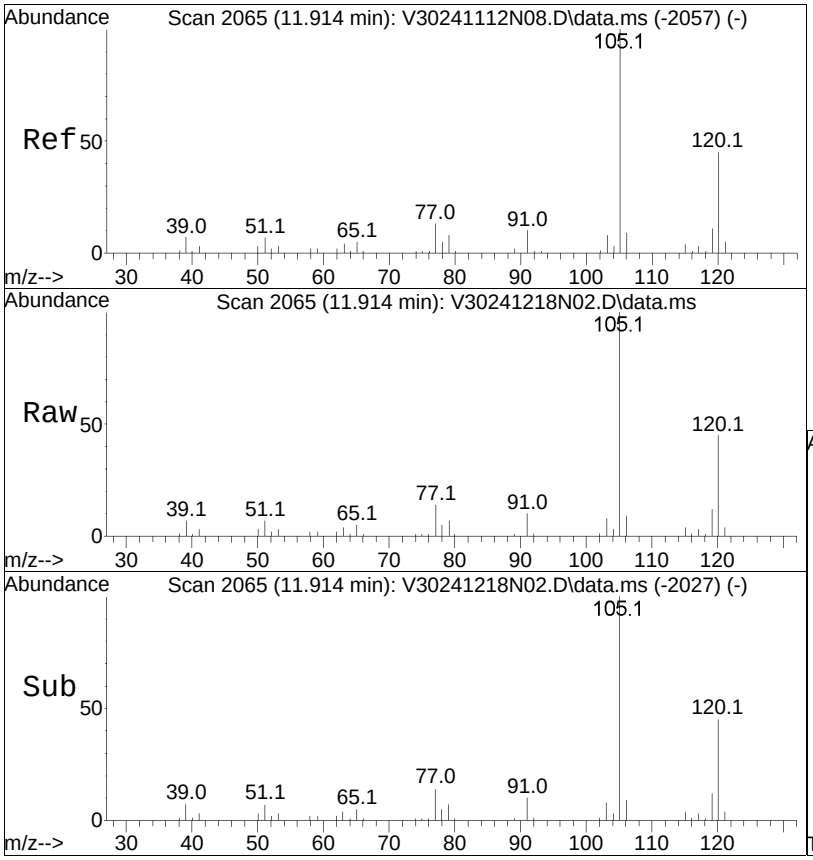


#99
tert-Butylbenzene
Concen: 9.54 ug/L
RT: 11.836 min Scan# 2050
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:119 Resp: 361495

Ion	Ratio	Lower	Upper
119	100		
91	70.0	58.8	88.2
134	25.1	18.6	27.8

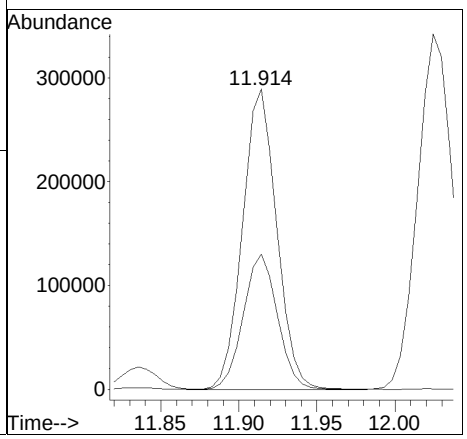


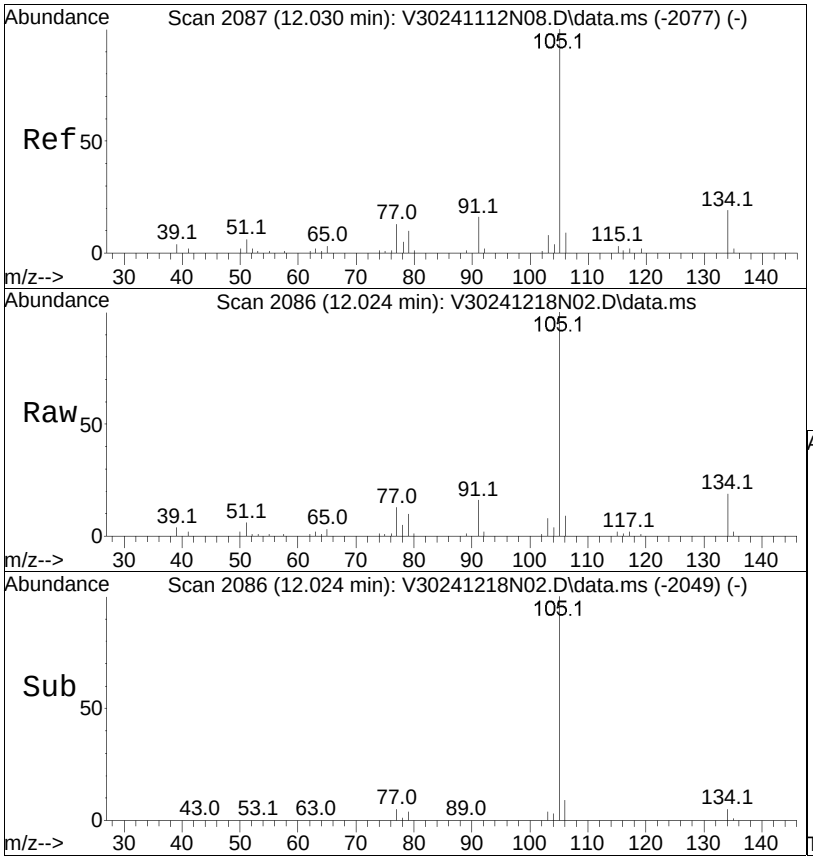


#102
1,2,4-Trimethylbenzene
Concen: 9.70 ug/L
RT: 11.914 min Scan# 2065
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:105 Resp: 439824

Ion	Ratio	Lower	Upper
105	100		
120	45.1	35.2	52.8

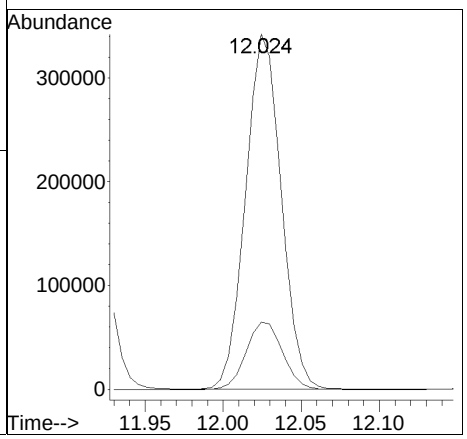


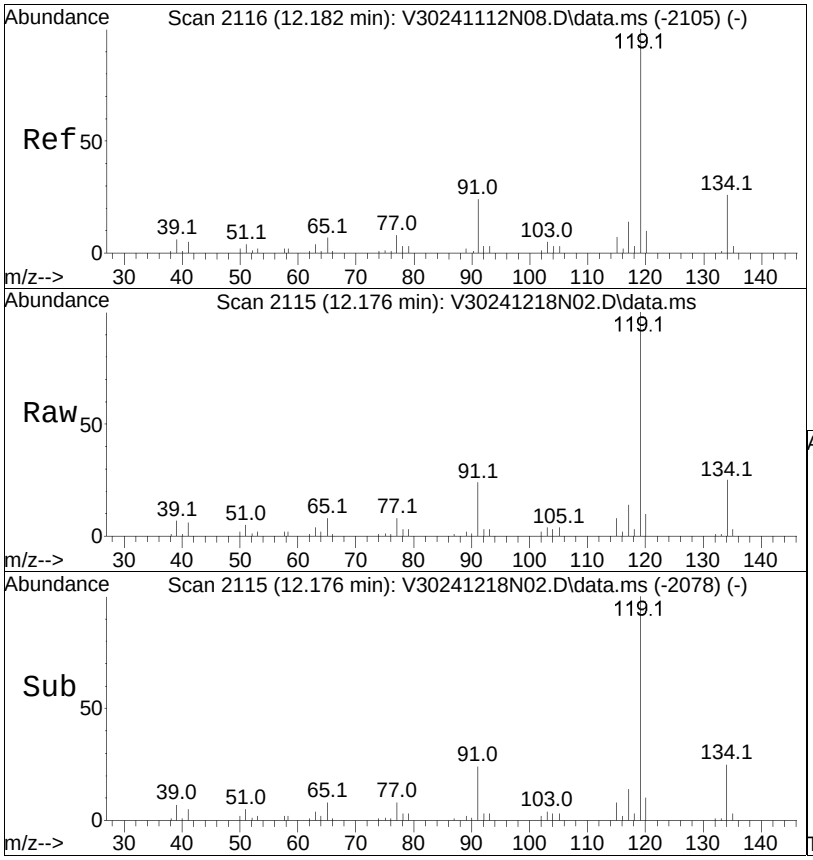


#103
sec-Butylbenzene
Concen: 9.83 ug/L
RT: 12.024 min Scan# 2086
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:105 Resp: 541857

Ion	Ratio	Lower	Upper
105	100		
134	19.4	11.4	23.6

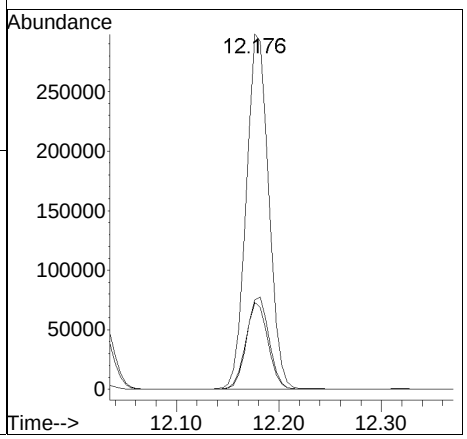


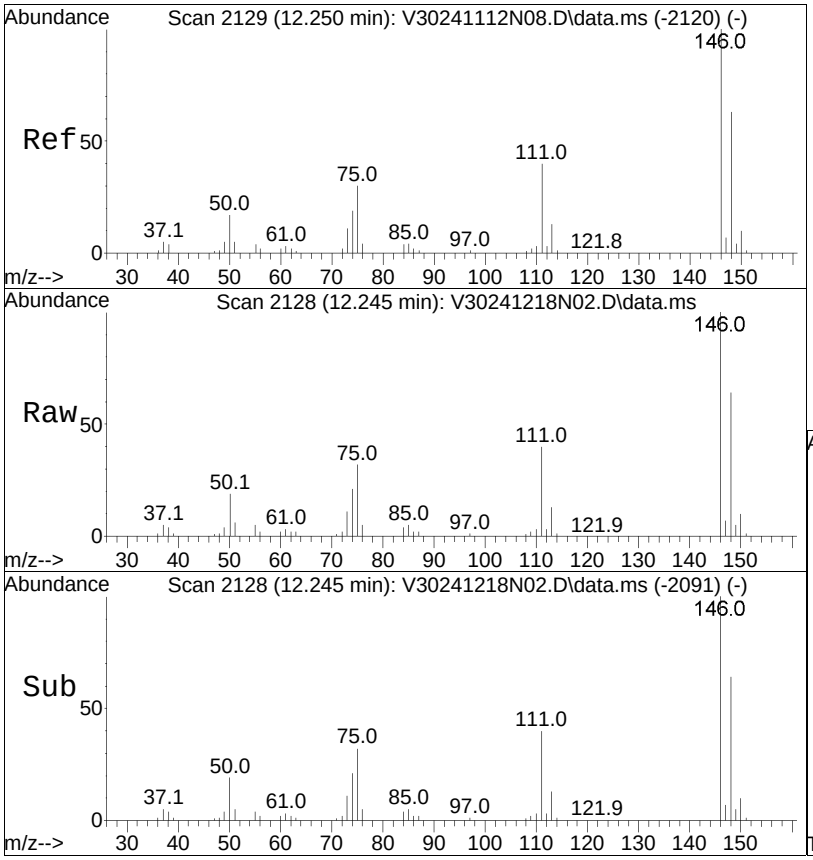


#104
p-Isopropyltoluene
Concen: 9.59 ug/L
RT: 12.176 min Scan# 2115
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:119 Resp: 456134

Ion	Ratio	Lower	Upper
119	100		
134	25.9	15.9	33.1
91	24.4	16.6	34.4

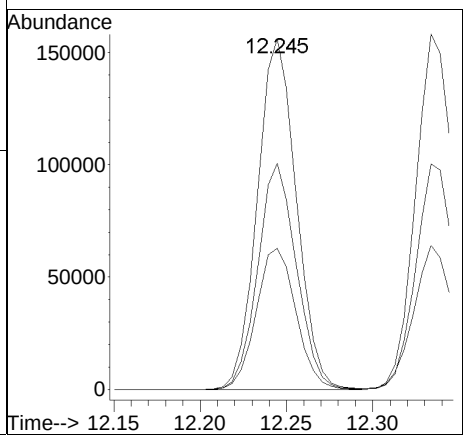


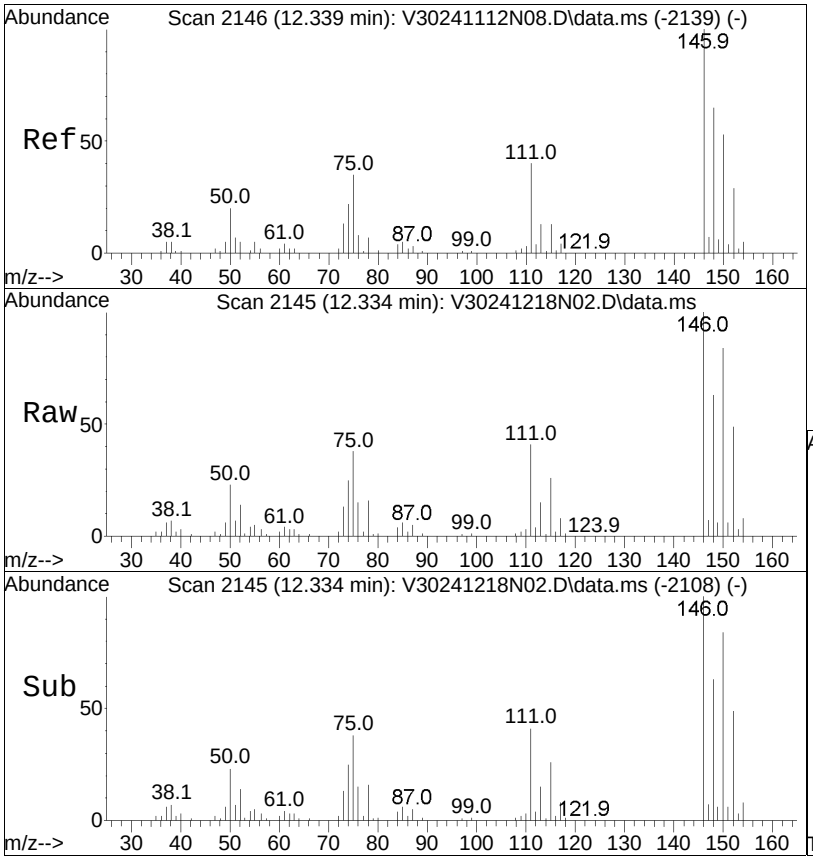


#105
1,3-Dichlorobenzene
Concen: 9.41 ug/L
RT: 12.245 min Scan# 2128
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:146 Resp: 244698

Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.0	58.1
148	63.9	40.8	84.6

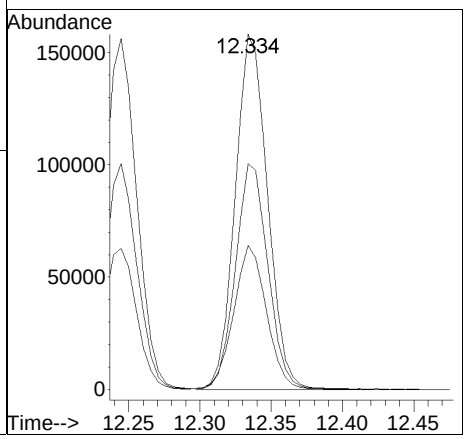


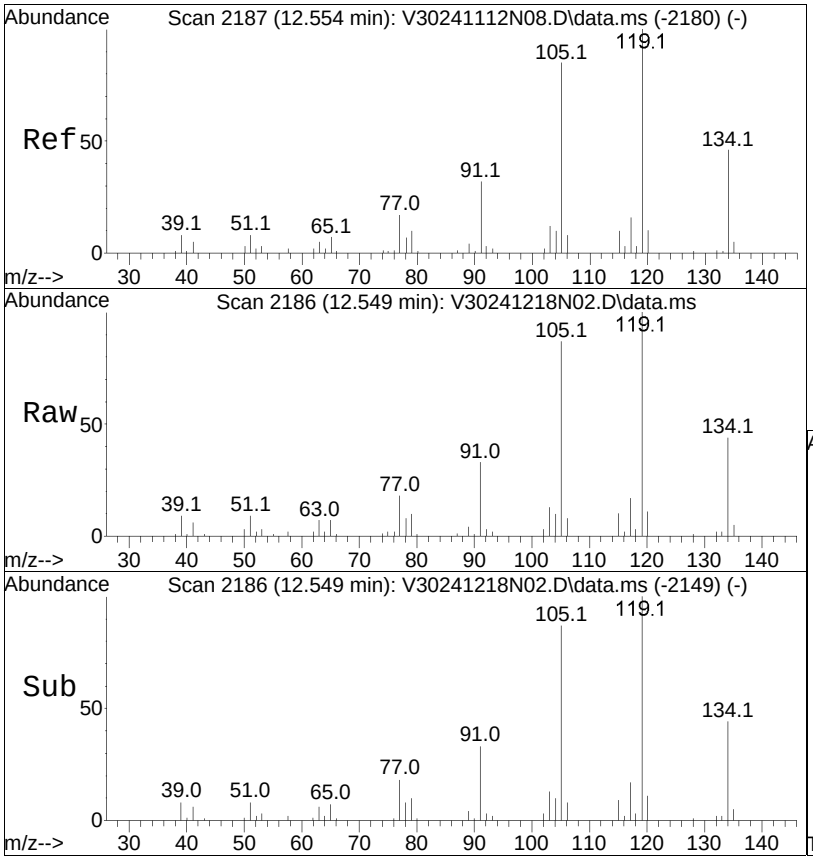


#106
1,4-Dichlorobenzene
Concen: 9.39 ug/L
RT: 12.334 min Scan# 2145
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:146 Resp: 249656

Ion	Ratio	Lower	Upper
146	100		
111	41.2	33.7	50.5
148	63.9	50.8	76.2

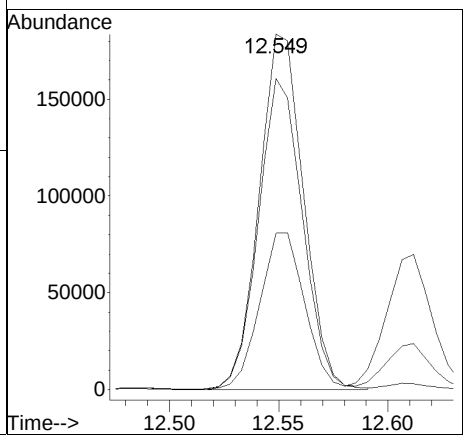


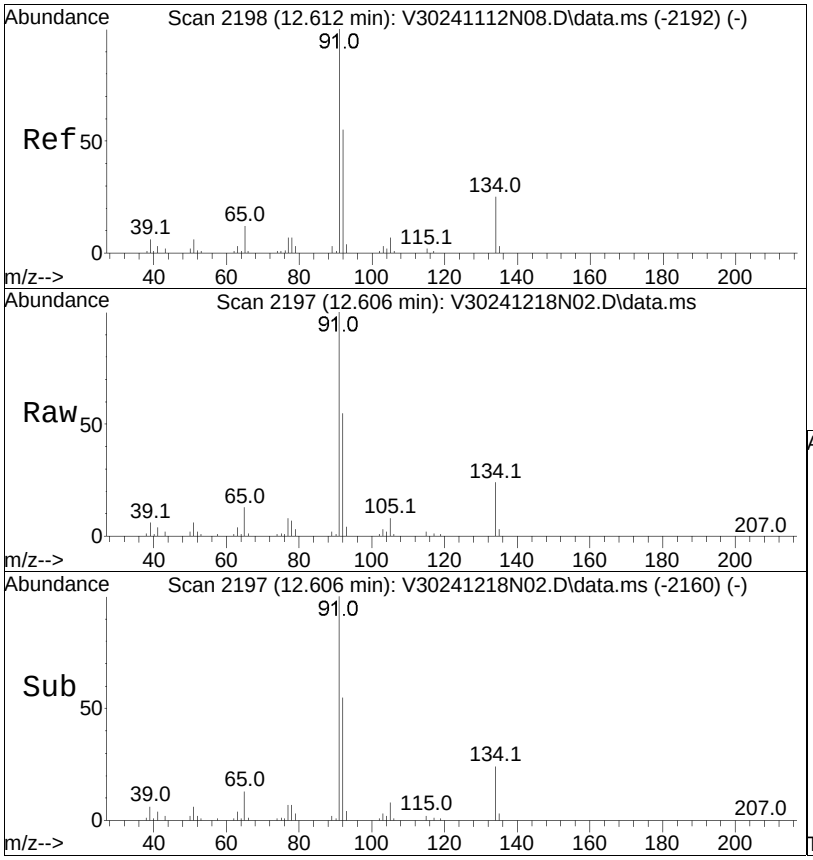


#107
p-Diethylbenzene
Concen: 9.28 ug/L
RT: 12.549 min Scan# 2186
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:119 Resp: 259682

Ion	Ratio	Lower	Upper
119	100		
105	86.6	58.4	121.2
134	44.6	28.7	59.5

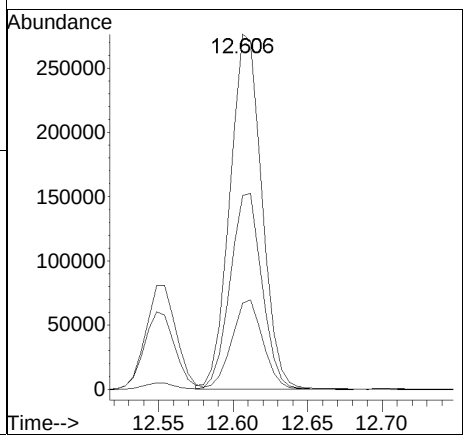


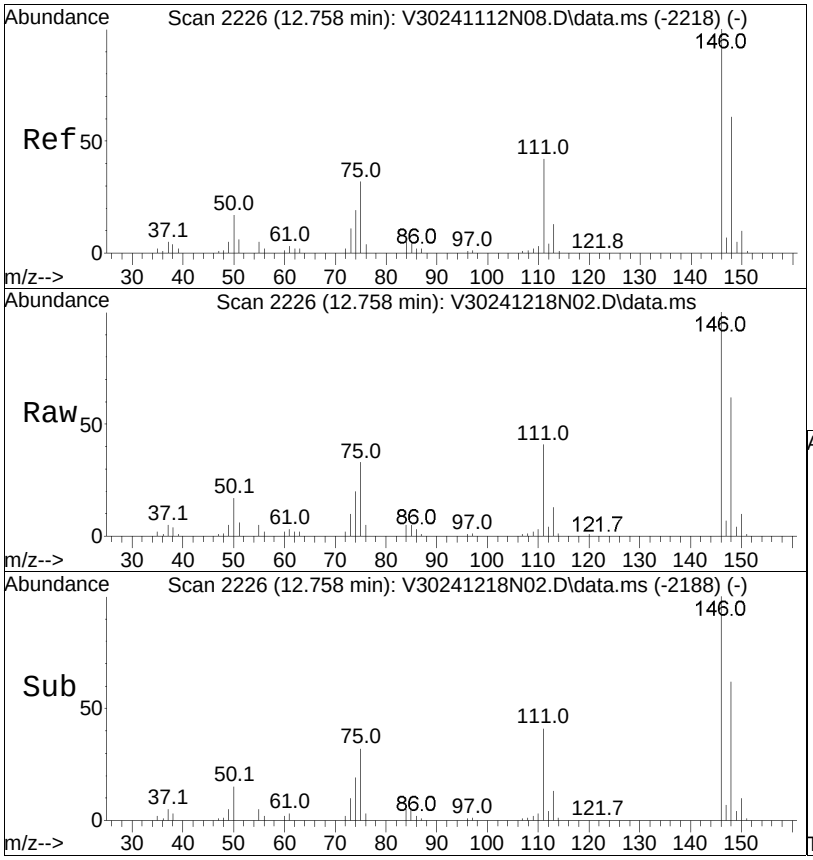


#108
n-Butylbenzene
Concen: 9.96 ug/L
RT: 12.606 min Scan# 2197
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion: 91 Resp: 411840

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.2	66.4
134	24.8	17.8	26.6

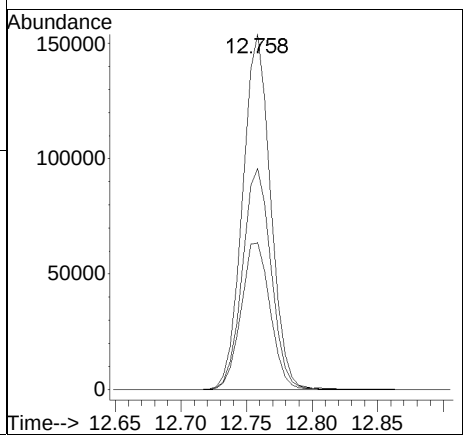


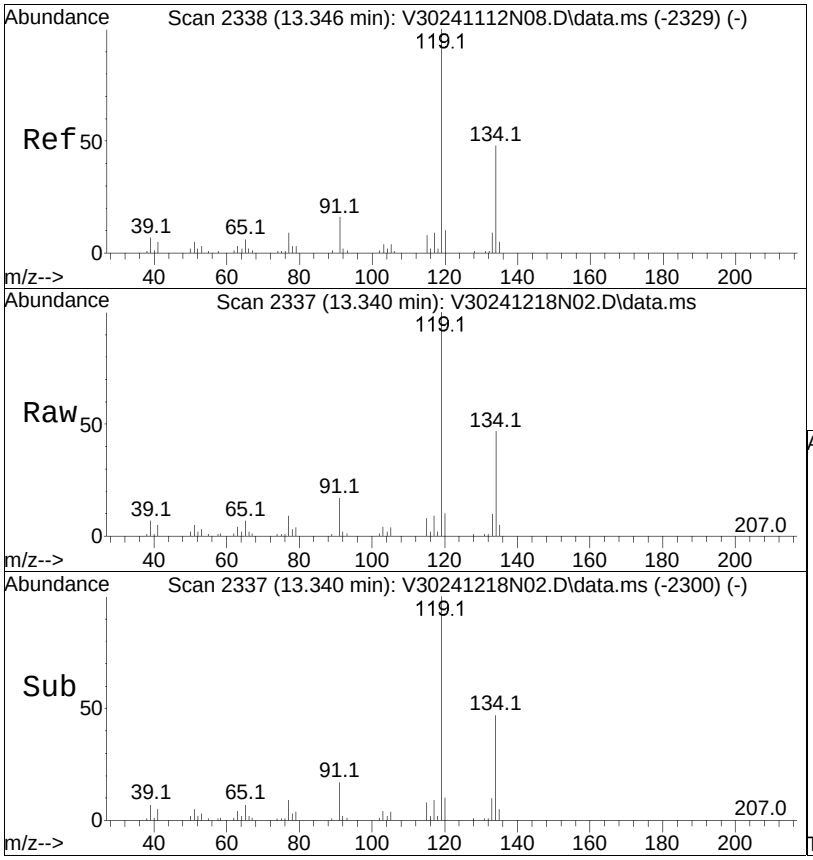


#109
1,2-Dichlorobenzene
Concen: 9.28 ug/L
RT: 12.758 min Scan# 2226
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:146 Resp: 228787

Ion	Ratio	Lower	Upper
146	100		
111	43.0	29.5	61.3
148	63.5	41.3	85.9

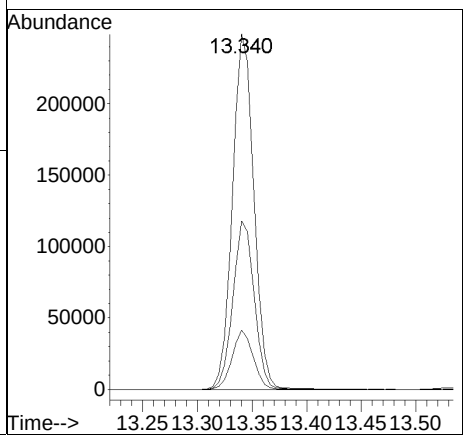


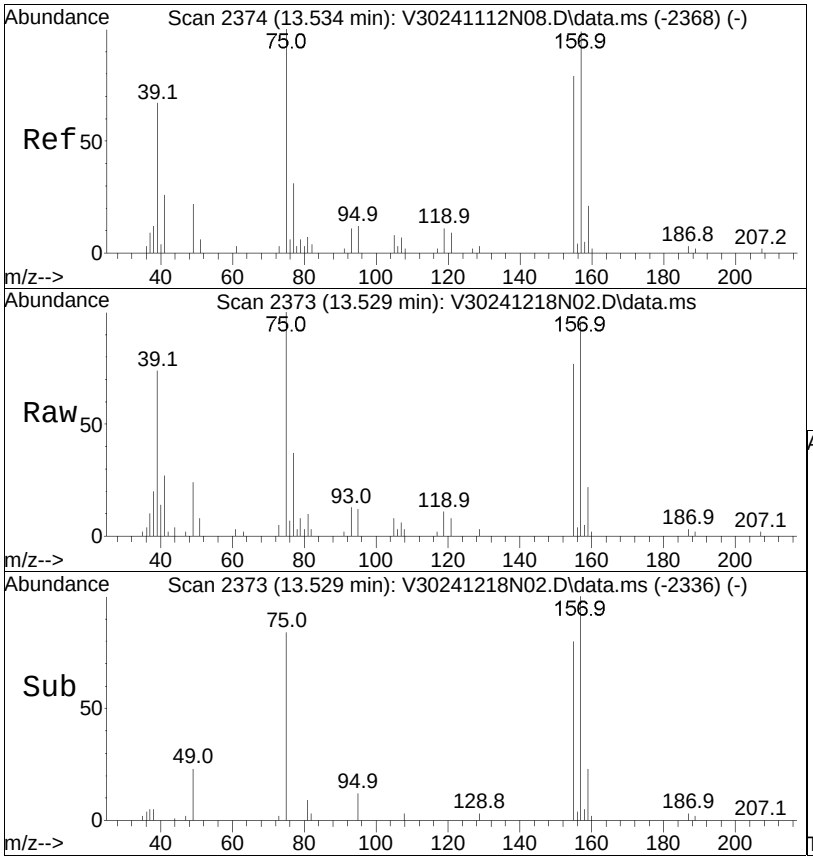


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.60 ug/L
RT: 13.340 min Scan# 2337
Delta R.T. -0.006 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:119 Resp: 339182

Ion	Ratio	Lower	Upper
119	100		
134	47.0	29.1	60.5
91	16.4	11.5	23.9

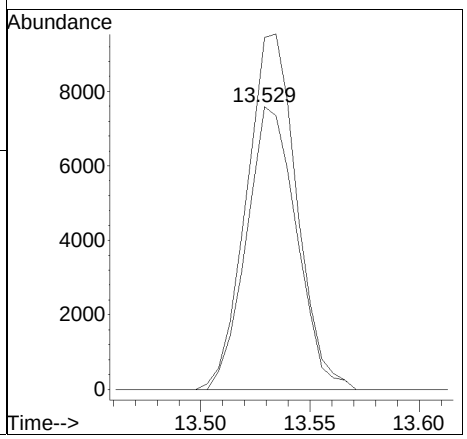


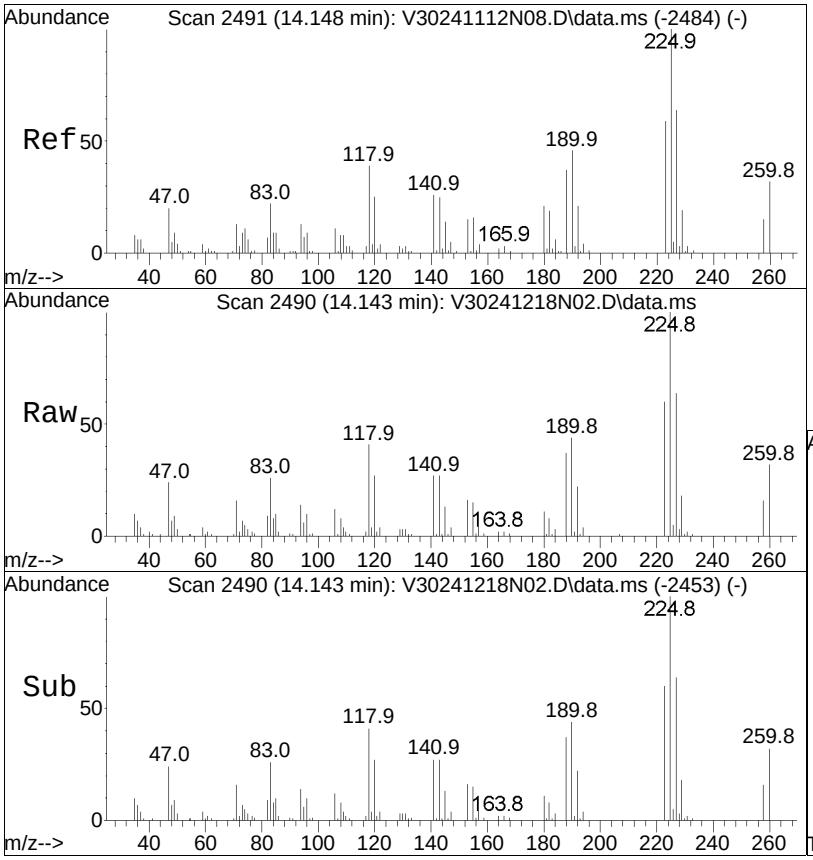


#111
1,2-Dibromo-3-chloropropane
Concen: 9.03 ug/L
RT: 13.529 min Scan# 2373
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:155 Resp: 12071

Ion	Ratio	Lower	Upper
155	100		
157	126.2	105.1	157.7

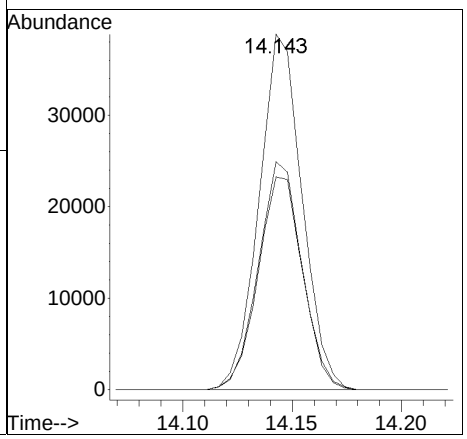


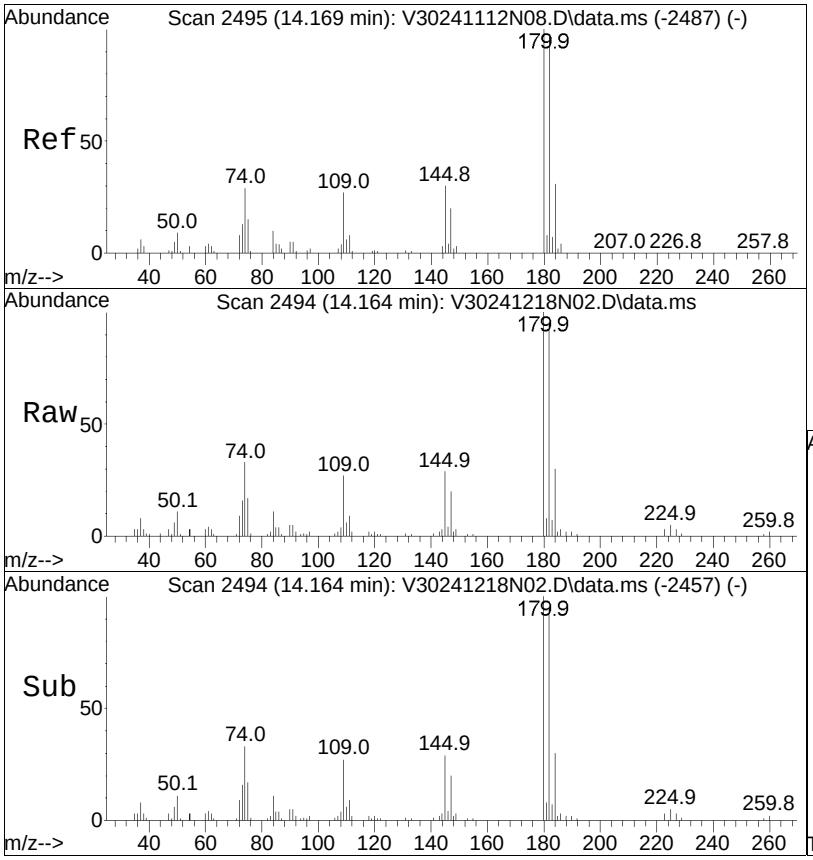


#113
Hexachlorobutadiene
Concen: 8.55 ug/L
RT: 14.143 min Scan# 2490
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:225 Resp: 53172

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.6	75.8
227	64.8	50.6	76.0

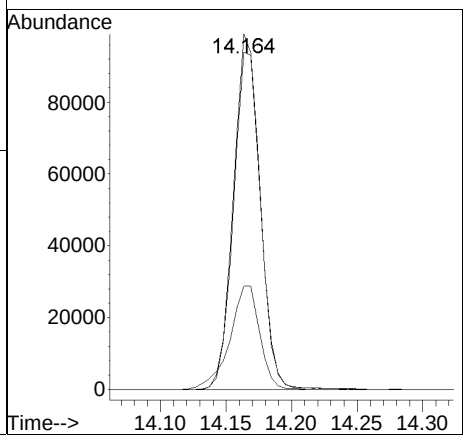


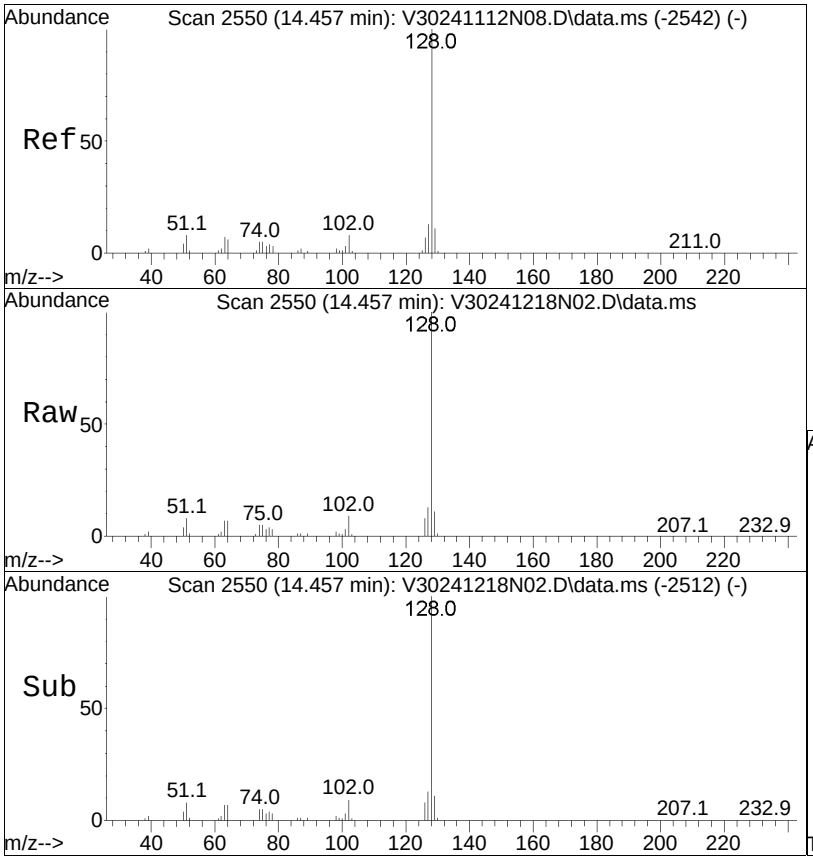


#114
1,2,4-Trichlorobenzene
Concen: 8.68 ug/L
RT: 14.164 min Scan# 2494
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:180 Resp: 139996

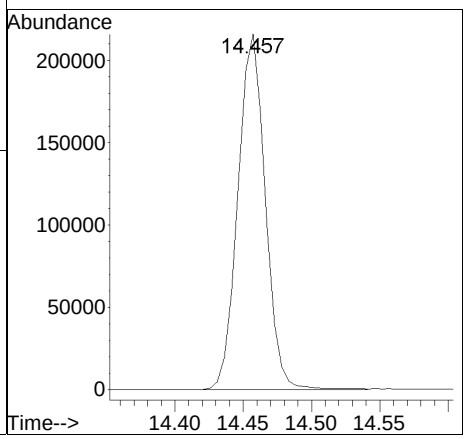
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.7	113.5
145	32.7	27.4	41.2

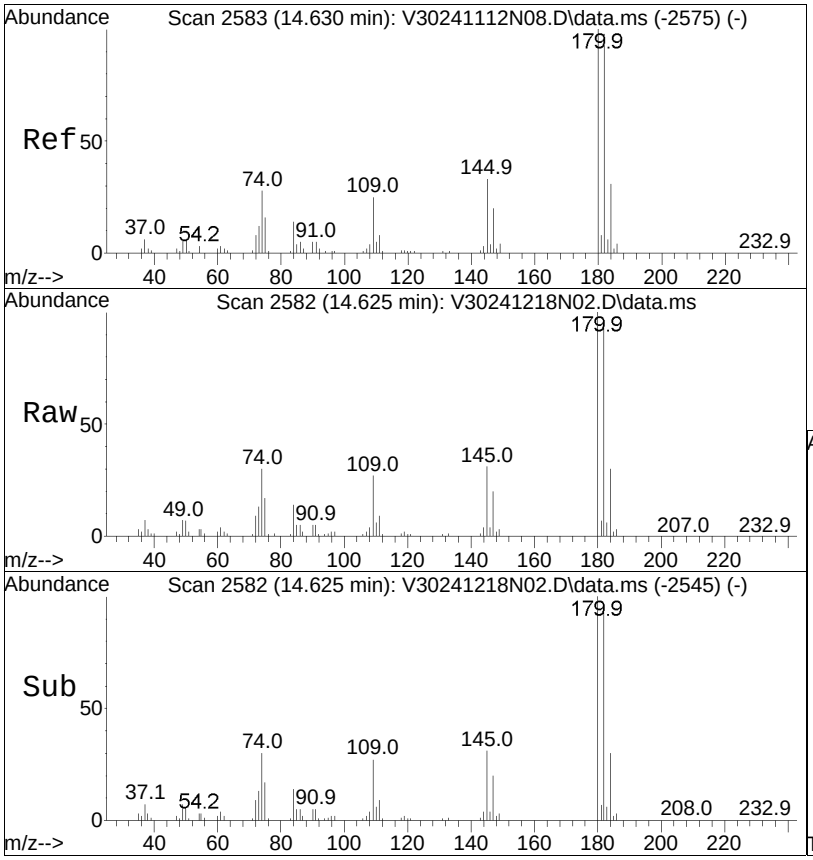




#115
Naphthalene
Concen: 9.13 ug/L
RT: 14.457 min Scan# 2550
Delta R.T. 0.000 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:128 Resp: 300895

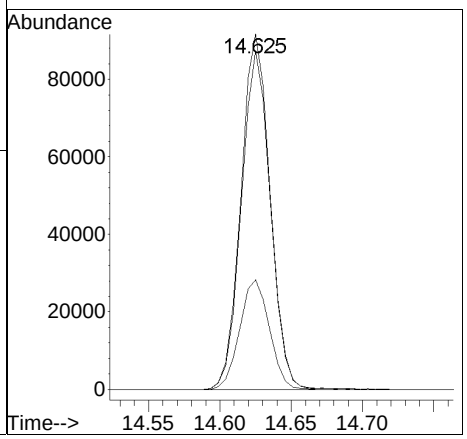




#116
1,2,3-Trichlorobenzene
Concen: 8.69 ug/L
RT: 14.625 min Scan# 2582
Delta R.T. -0.005 min
Lab File: V30241218N02.D
Acq: 18 Dec 2024 05:55 pm

Tgt Ion:180 Resp: 130555

Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.9	112.3
145	31.3	26.0	39.0



Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	506888	10.000	ug/L	0.00
Standard Area 1 = 506888			Recovery = 100.00%			
62) Chlorobenzene-d5	9.484	117	423029	10.000	ug/L	0.00
Standard Area 1 = 423029			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.201	152	228806	10.000	ug/L	0.00
Standard Area 1 = 228806			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.138	113	180597	10.439	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.39%			
46) 1,2-Dichloroethane-d4	5.649	65	105053	9.826	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.26%			
63) Toluene-d8	7.640	98	531380	9.963	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%			
87) 4-Bromofluorobenzene	10.984	95	189299	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	108029	10.320	ug/L	98
3) Chloromethane	1.802	50	109237	12.194	ug/L	98
4) Vinyl chloride	1.874	62	107350	8.985	ug/L	98
5) Bromomethane	2.175	94	28262	3.274	ug/L	100
6) Chloroethane	2.293	64	61572	7.520	ug/L	97
7) Trichlorofluoromethane	2.431	101	134304	9.823	ug/L	99
8) Ethyl ether	2.726	74	31827	10.575	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	78086	10.825	ug/L	95
11) Carbon disulfide	2.949	76	249560	11.381	ug/L	99
15) Methylene chloride	3.460	84	95699	11.290	ug/L	82
17) Acetone	3.493	43	13818	11.321	ug/L	95
18) trans-1,2-Dichloroethene	3.611	96	89972	11.362	ug/L	97
21) Methyl tert-butyl ether	3.702	73	136892	9.856	ug/L #	88
25) 1,1-Dichloroethane	4.181	63	157447	10.982	ug/L	98
27) Acrylonitrile	4.220	53	16566	11.372	ug/L	95
29) Vinyl acetate	4.417	43	120026	9.663	ug/L #	93
30) cis-1,2-Dichloroethene	4.699	96	99752	11.383	ug/L	95
31) 2,2-Dichloropropane	4.804	77	112368	10.606	ug/L	85
32) Bromochloromethane	4.889	128	50185	11.393	ug/L	92
34) Chloroform	4.961	83	152380	10.630	ug/L	97

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.098	117	114311	9.858	ug/L		97
39) 1,1,1-Trichloroethane	5.164	97	131254	10.043	ug/L		99
41) 2-Butanone	5.249	43	21254	12.258	ug/L	#	50
42) 1,1-Dichloropropene	5.282	75	101859	9.640	ug/L		99
44) Benzene	5.531	78	315134	10.105	ug/L		95
47) 1,2-Dichloroethane	5.728	62	77117	10.179	ug/L		100
51) Trichloroethene	6.121	95	69196	9.534	ug/L		98
53) Dibromomethane	6.556	93	42548	11.012	ug/L	#	85
54) 1,2-Dichloropropane	6.660	63	65518	10.452	ug/L		98
57) Bromodichloromethane	6.736	83	91249	10.481	ug/L		96
60) 1,4-Dioxane	6.945	88	18766	621.716	ug/L	#	82
61) cis-1,3-Dichloropropene	7.425	75	93567	10.322	ug/L	#	90
64) Toluene	7.696	92	185909	10.595	ug/L		99
65) 4-Methyl-2-pentanone	8.127	58	10302	8.534	ug/L	#	75
66) Tetrachloroethene	8.147	166	83657	10.403	ug/L		96
68) trans-1,3-Dichloropropene	8.175	75	78109	9.750	ug/L		92
71) 1,1,2-Trichloroethane	8.356	83	41774	10.203	ug/L		97
72) Chlorodibromomethane	8.572	129	64489	9.566	ug/L		99
73) 1,3-Dichloropropane	8.684	76	83247	9.865	ug/L		100
74) 1,2-Dibromoethane	8.845	107	51218	10.169	ug/L		99
76) 2-Hexanone	9.140	43	19014	9.685	ug/L		89
77) Chlorobenzene	9.505	112	223855	11.046	ug/L	#	87
78) Ethylbenzene	9.547	91	377026	10.805	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.589	131	68698	10.010	ug/L		97
80) p/m Xylene	9.736	106	297885	20.694	ug/L		98
81) o Xylene	10.276	106	282258	20.569	ug/L		99
82) Styrene	10.346	104	453170	20.540	ug/L		97
84) Bromoform	10.360	173	34305	9.164	ug/L		100
86) Isopropylbenzene	10.662	105	392071	11.076	ug/L		99
88) Bromobenzene	11.096	156	92210	11.101	ug/L		99
89) n-Propylbenzene	11.146	91	448288	10.891	ug/L		100
91) 1,1,2,2-Tetrachloroethane	11.230	83	55822	10.129	ug/L		99
92) 4-Ethyltoluene	11.279	105	381383	11.036	ug/L		99
93) 2-Chlorotoluene	11.307	91	254522M6	10.868	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	322200	10.713	ug/L		99
95) 1,2,3-Trichloropropane	11.363	75	42022	9.526	ug/L		96
96) trans-1,4-Dichloro-2-b...	11.419	53	12252	8.833	ug/L	#	76
97) 4-Chlorotoluene	11.496	91	268645	11.011	ug/L		97
98) tert-Butylbenzene	11.714	119	286964	11.092	ug/L		98

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.791	105	214837	12.573	ug/L	99
102) sec-Butylbenzene	11.909	105	409244	11.178	ug/L	100
103) p-Isopropyltoluene	12.062	119	356946	11.142	ug/L	99
104) 1,3-Dichlorobenzene	12.125	146	189409	11.240	ug/L	98
105) 1,4-Dichlorobenzene	12.215	146	185564	11.020	ug/L	98
106) p-Diethylbenzene	12.438	119	206179	11.149	ug/L	99
107) n-Butylbenzene	12.501	91	286018	11.228	ug/L	99
108) 1,2-Dichlorobenzene	12.640	146	168895	11.233	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	283425	11.208	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.420	155	8432	9.819	ug/L	94
112) Hexachlorobutadiene	14.039	225	41576	12.414	ug/L	98
113) 1,2,4-Trichlorobenzene	14.053	180	101933	11.602	ug/L	99
114) Naphthalene	14.352	128	208654	10.680	ug/L	100
115) 1,2,3-Trichlorobenzene	14.519	180	86704	11.625	ug/L	99

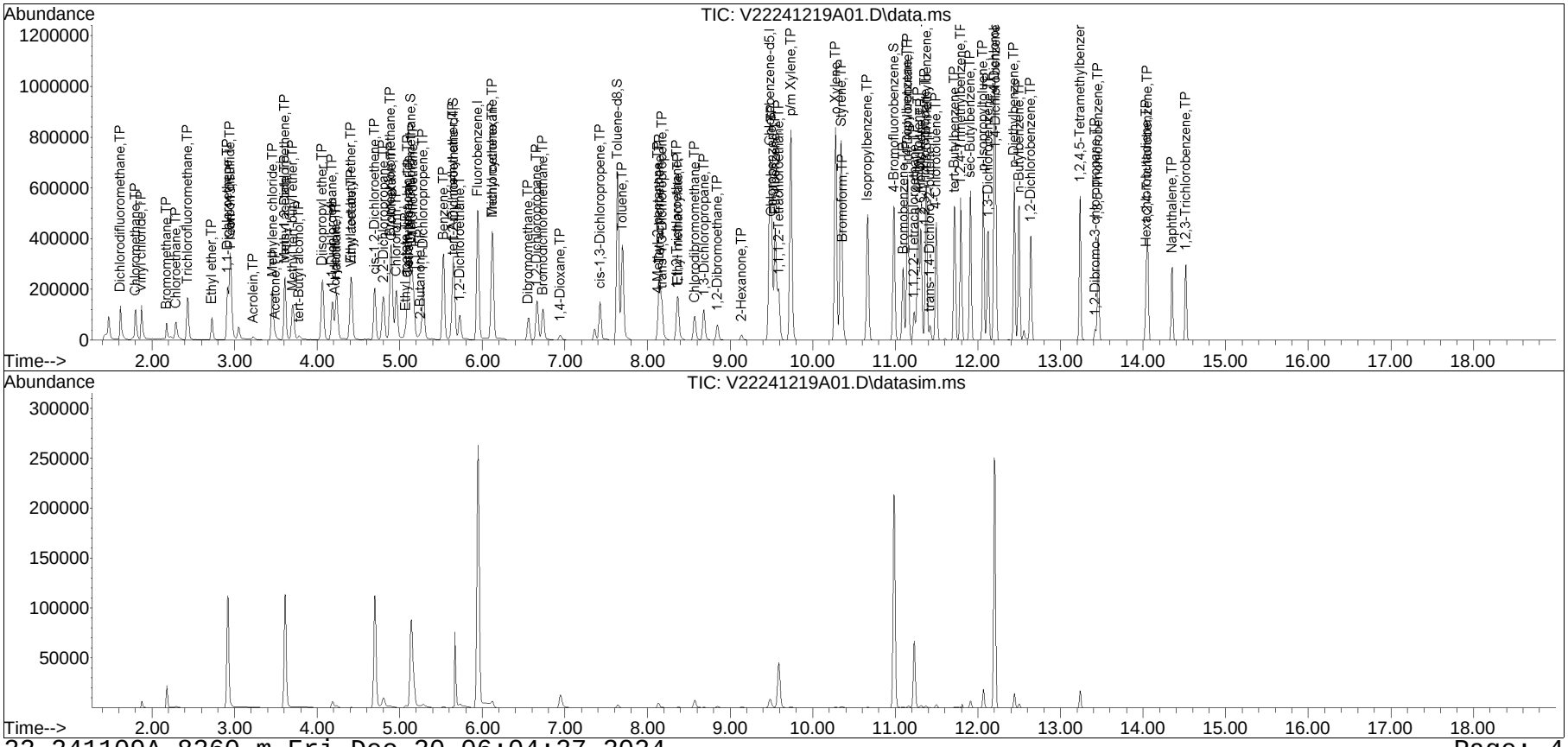
(#) = qualifier out of range (m) = manual integration (+) = signals summed

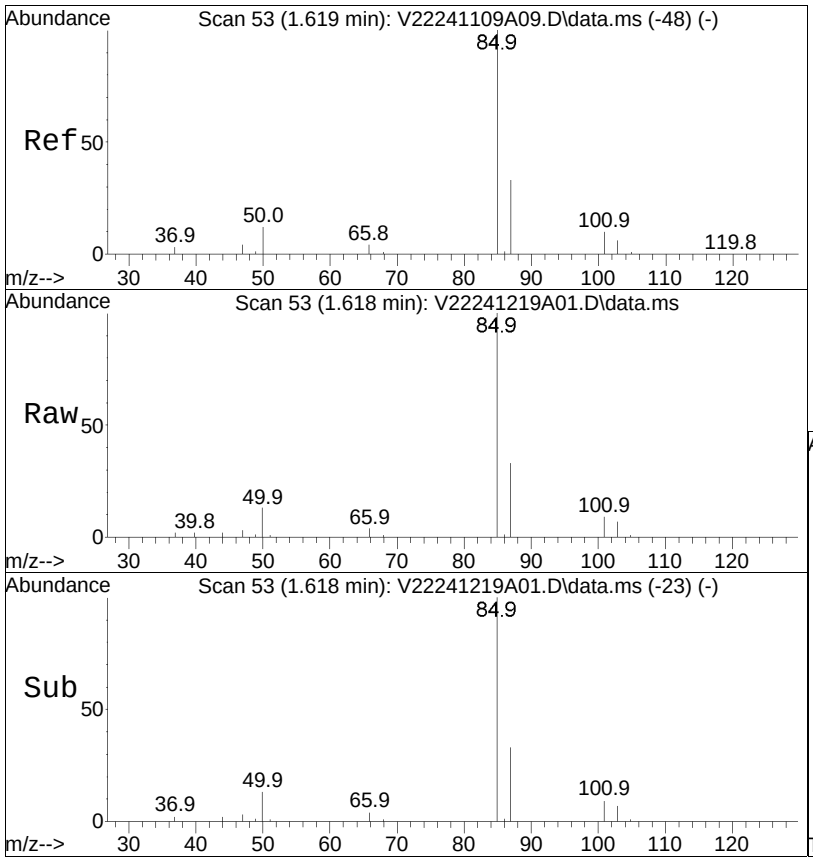
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Acq On : 19 Dec 2024 07:38 am
Operator : VOA122:PID
Sample : WG2011630-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 08:05:13 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

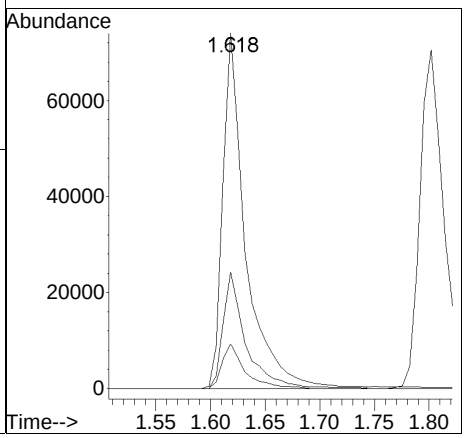


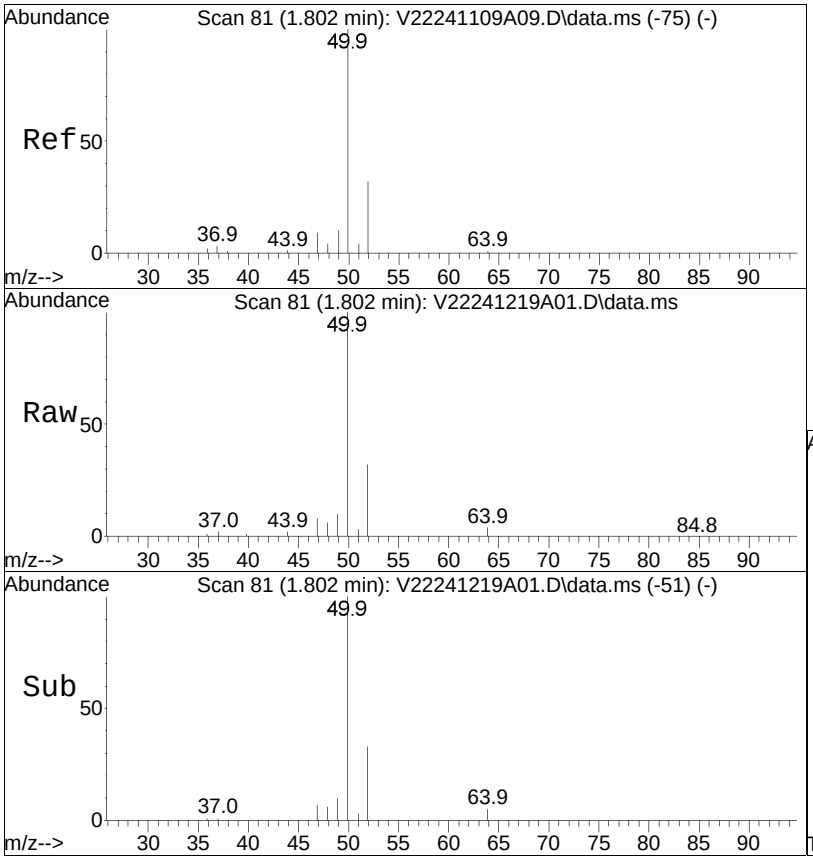


#2
Dichlorodifluoromethane
Concen: 10.32 ug/L
RT: 1.618 min Scan# 53
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 85 Resp: 108029

Ion	Ratio	Lower	Upper
85	100		
87	32.4	20.7	42.9
50	12.3	6.8	14.2

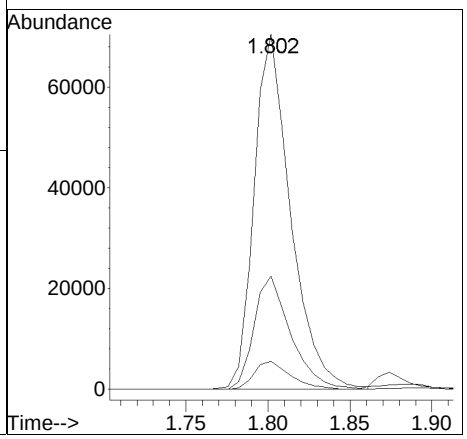


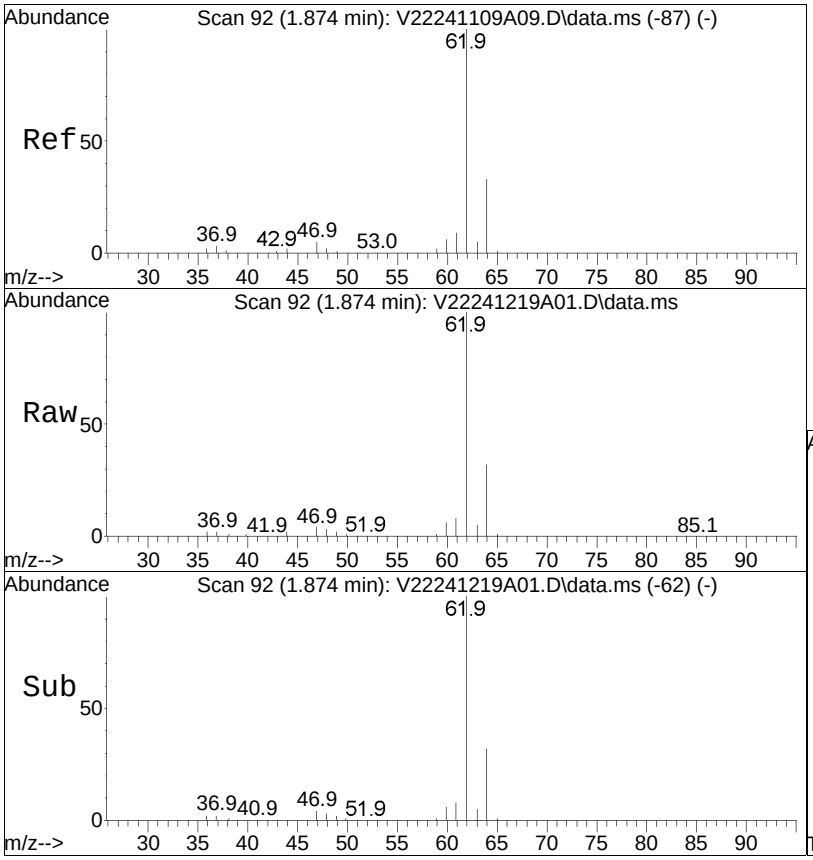


#3
Chloromethane
Concen: 12.19 ug/L
RT: 1.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 50 Resp: 109237

Ion	Ratio	Lower	Upper
50	100		
52	32.0	12.8	52.8
47	7.9	0.0	30.0

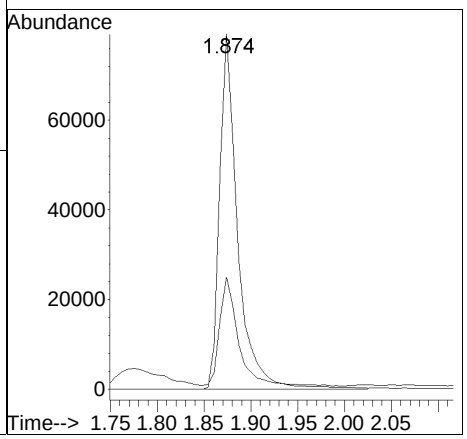


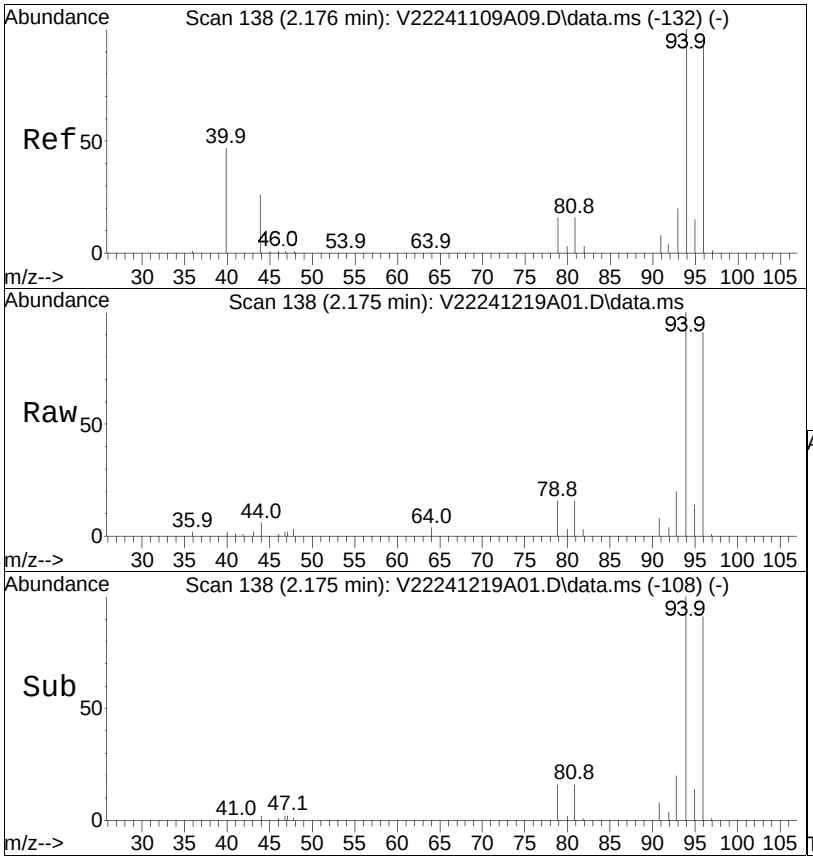


#4
Vinyl chloride
Concen: 8.99 ug/L
RT: 1.874 min Scan# 92
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 62 Resp: 107350

Ion	Ratio	Lower	Upper
62	100		
64	33.1	12.0	52.0

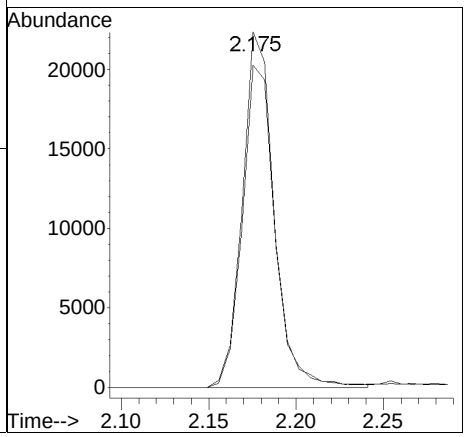


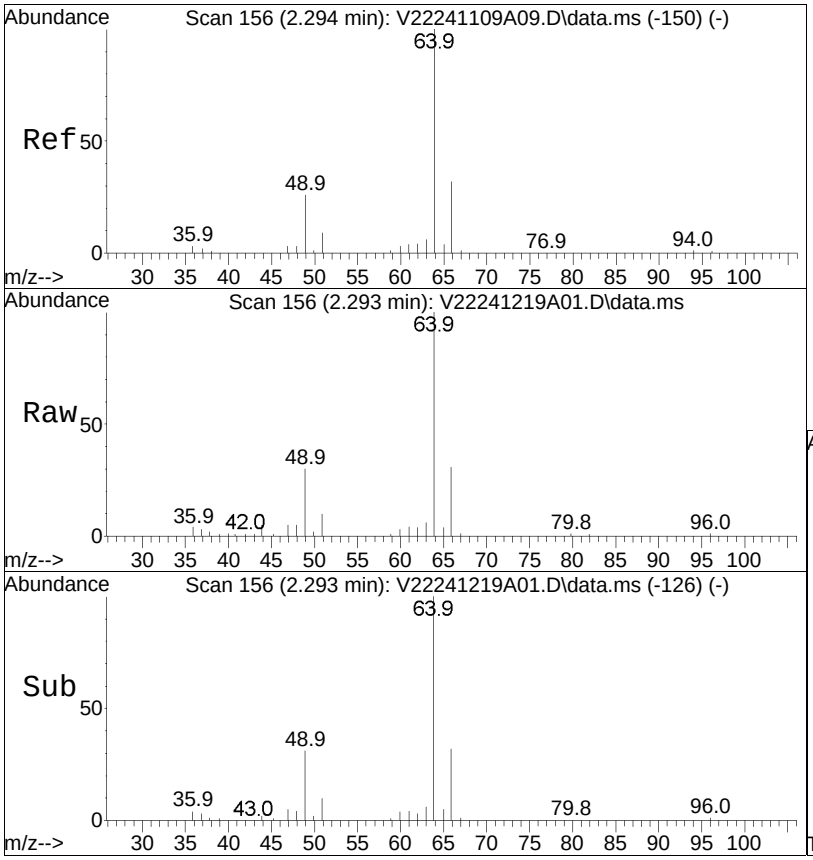


#5
Bromomethane
Concen: 3.27 ug/L
RT: 2.175 min Scan# 138
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 94 Resp: 28262

Ion	Ratio	Lower	Upper
94	100		
96	92.7	72.8	112.8

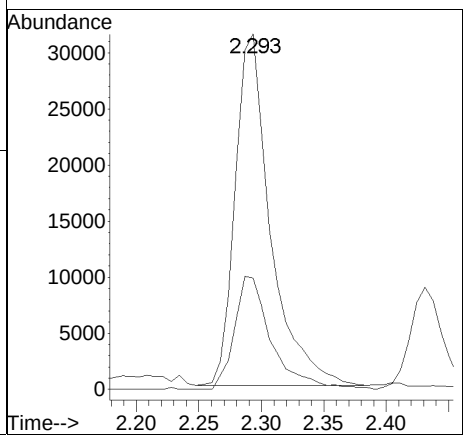


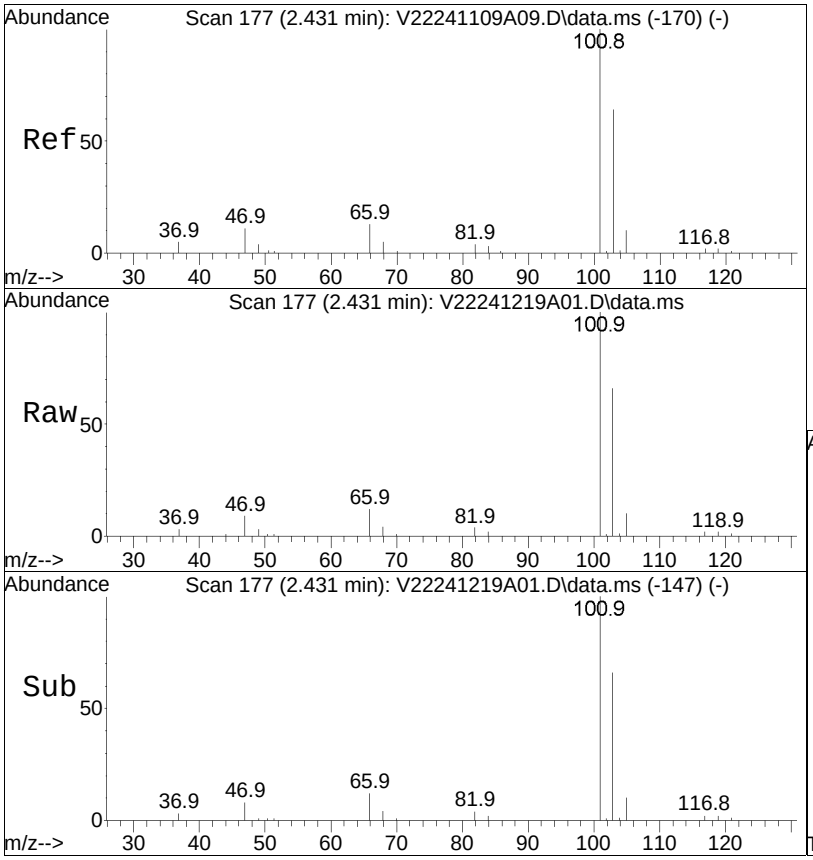


#6
Chloroethane
Concen: 7.52 ug/L
RT: 2.293 min Scan# 156
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 64 Resp: 61572

Ion	Ratio	Lower	Upper
64	100		
66	33.9	12.2	52.2

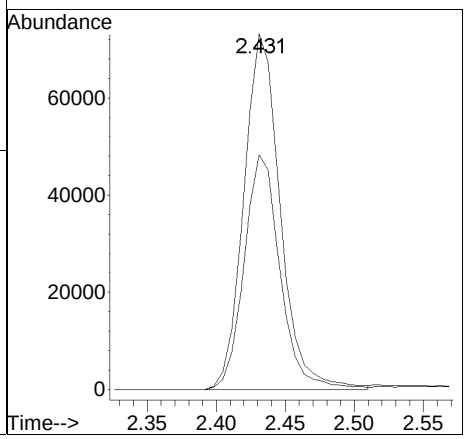


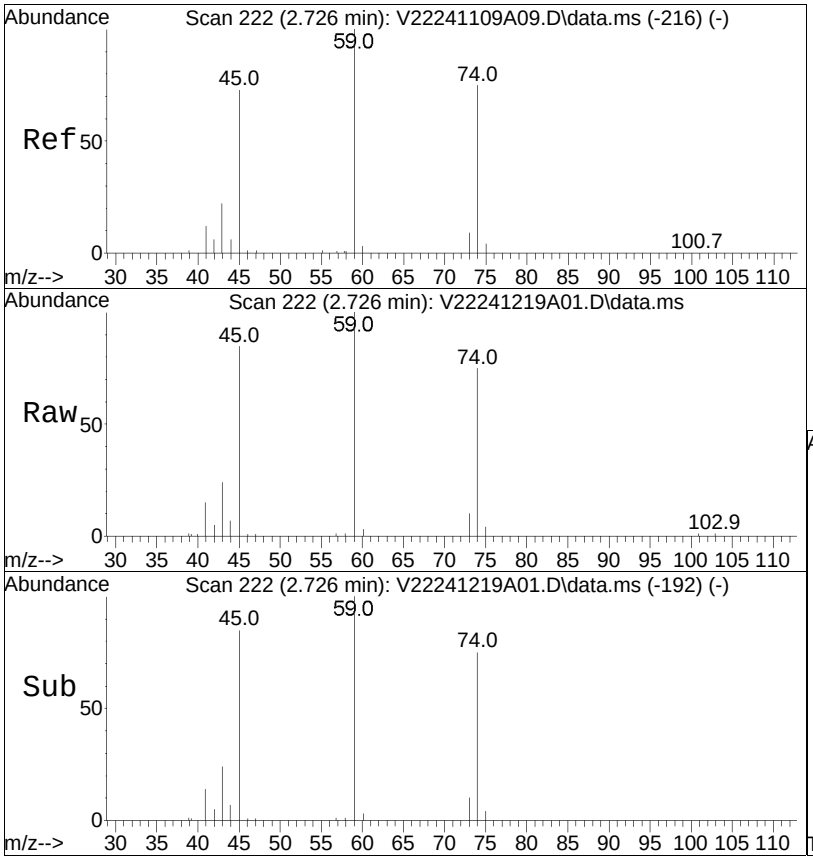


#7
Trichlorofluoromethane
Concen: 9.82 ug/L
RT: 2.431 min Scan# 177
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:101 Resp: 134304

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

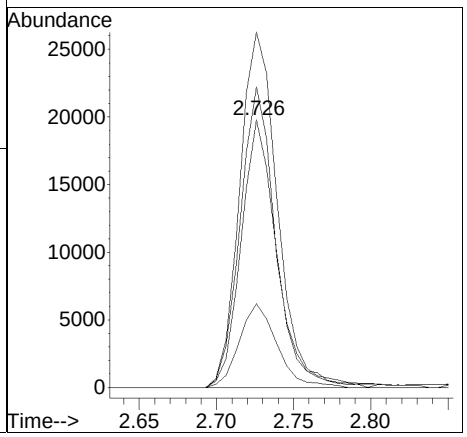


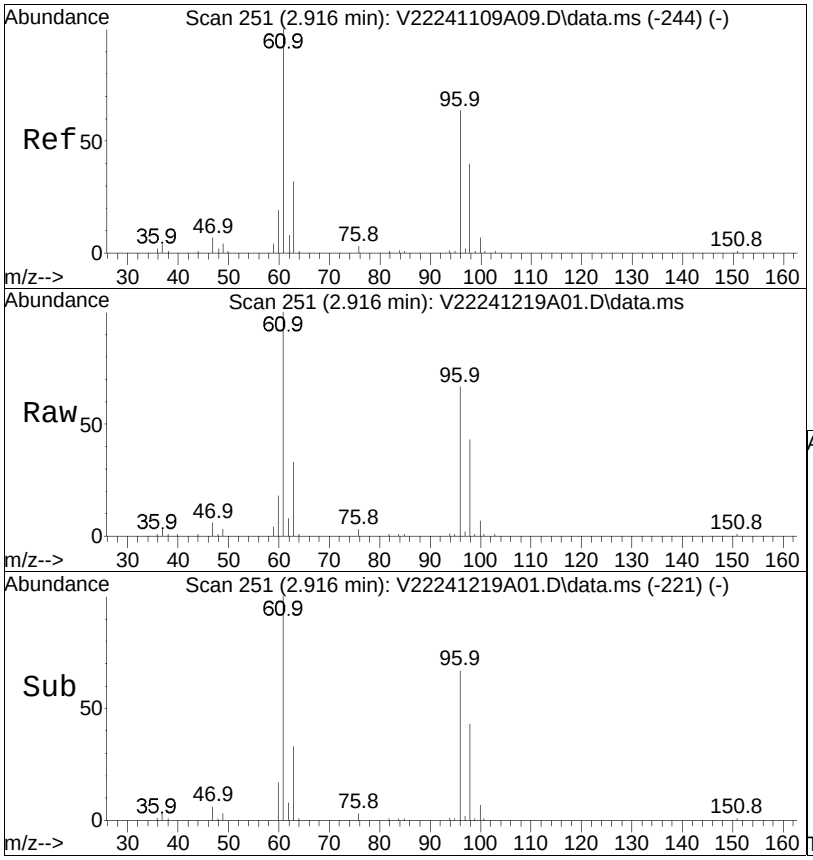


#8
Ethyl ether
Concen: 10.58 ug/L
RT: 2.726 min Scan# 222
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 74 Resp: 31827

Ion	Ratio	Lower	Upper
74	100		
59	142.6	2122.4	4408.0#
45	113.6	1435.1	2980.5#
43	33.0	407.9	847.3#

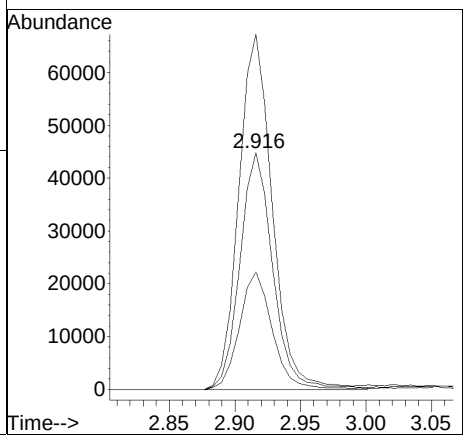


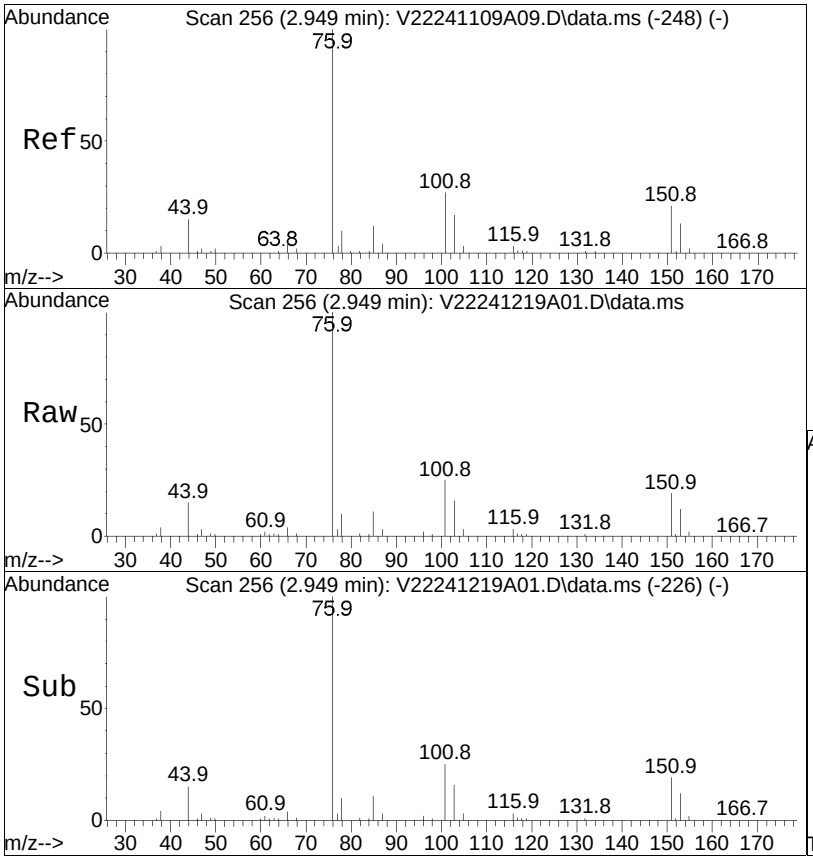


#10
1,1-Dichloroethene
Concen: 10.83 ug/L
RT: 2.916 min Scan# 251
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 96 Resp: 78086

Ion	Ratio	Lower	Upper
96	100		
61	152.8	117.0	175.4
63	49.7	37.8	56.6

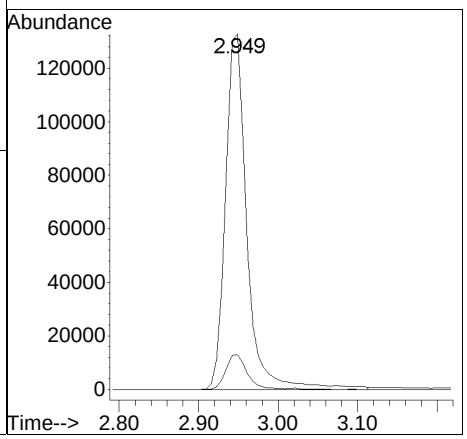


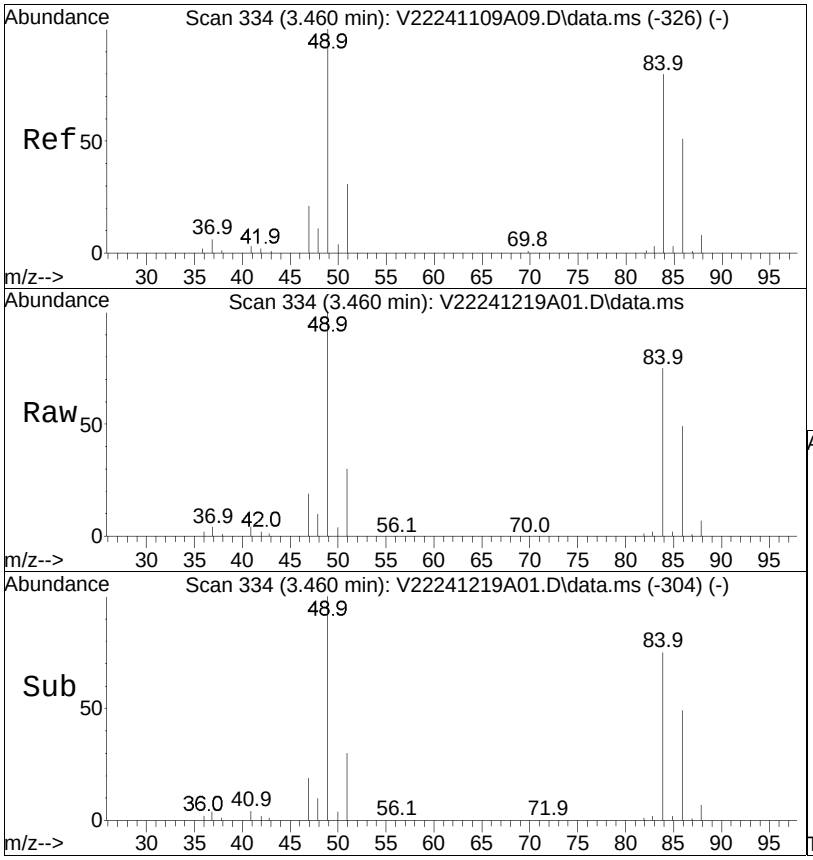


#11
Carbon disulfide
Concen: 11.38 ug/L
RT: 2.949 min Scan# 256
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 76 Resp: 249560

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

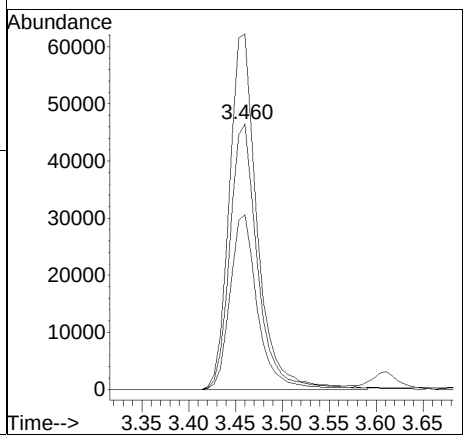


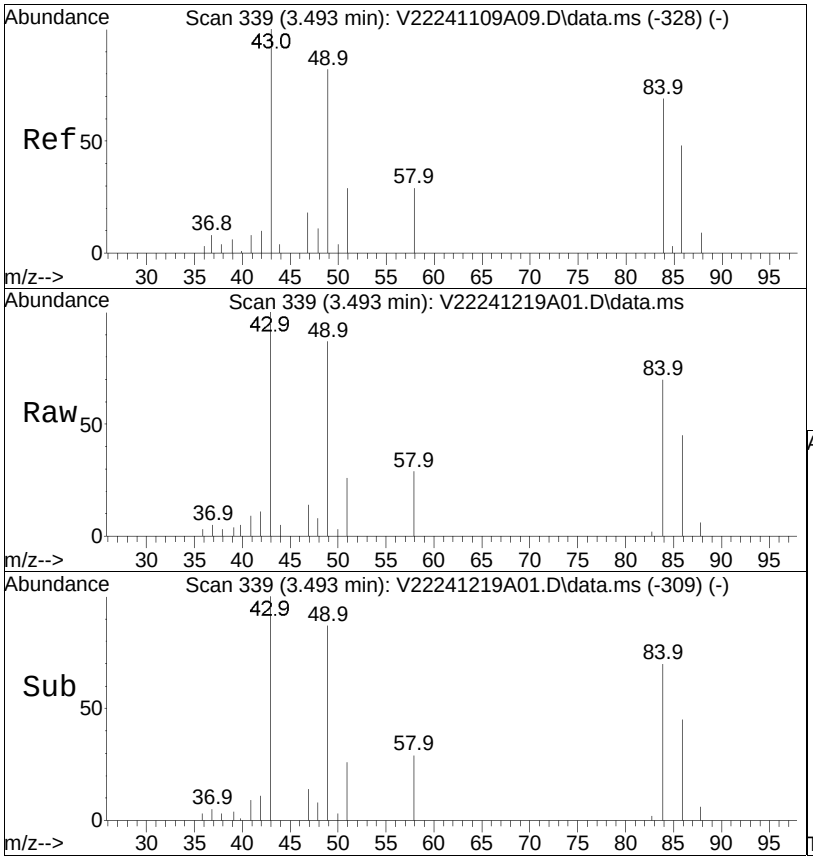


#15
Methylene chloride
Concen: 11.29 ug/L
RT: 3.460 min Scan# 334
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 84 Resp: 95699

Ion	Ratio	Lower	Upper
84	100		
86	66.1	41.5	86.3
49	134.2	68.8	143.0

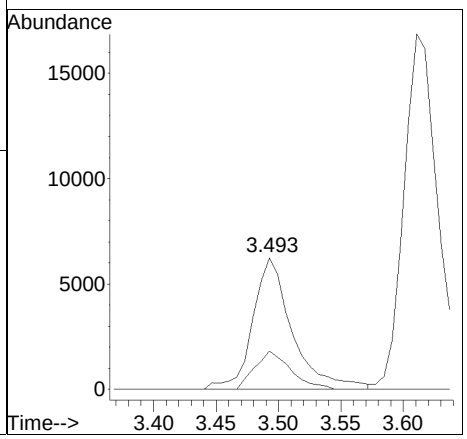


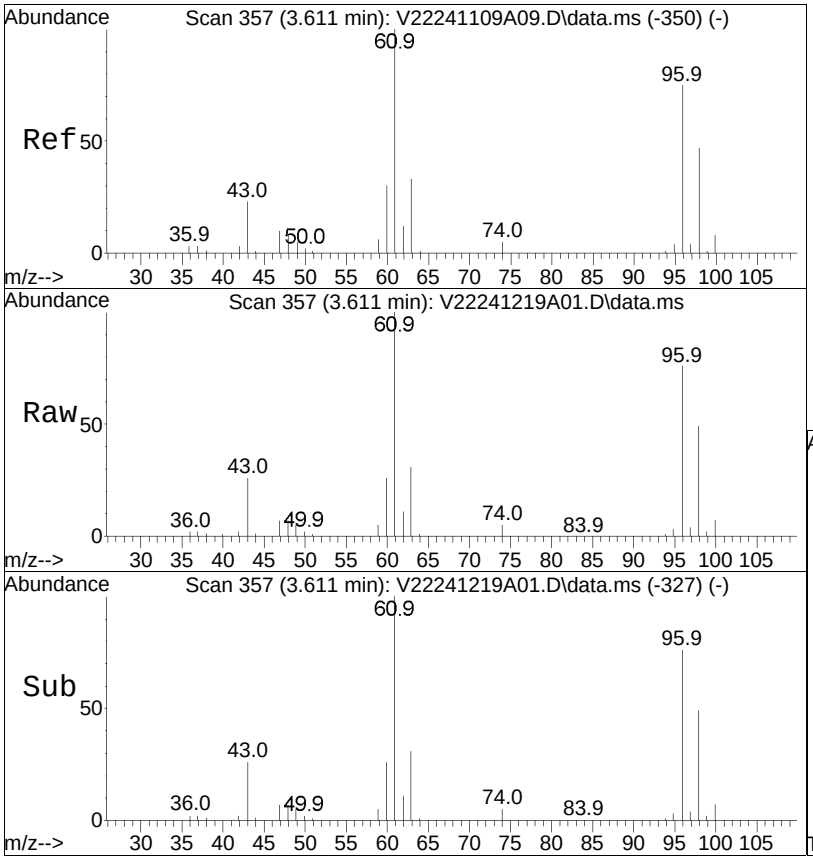


#17
Acetone
Concen: 11.32 ug/L
RT: 3.493 min Scan# 339
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 43 Resp: 13818

Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.1	34.7

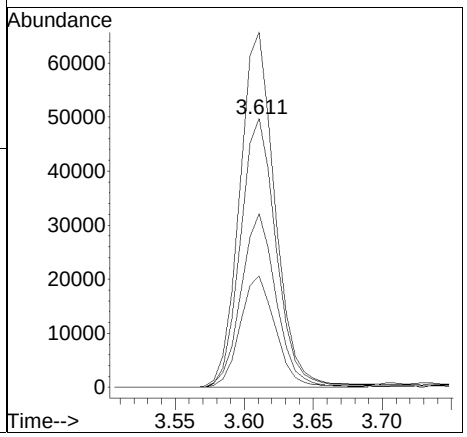


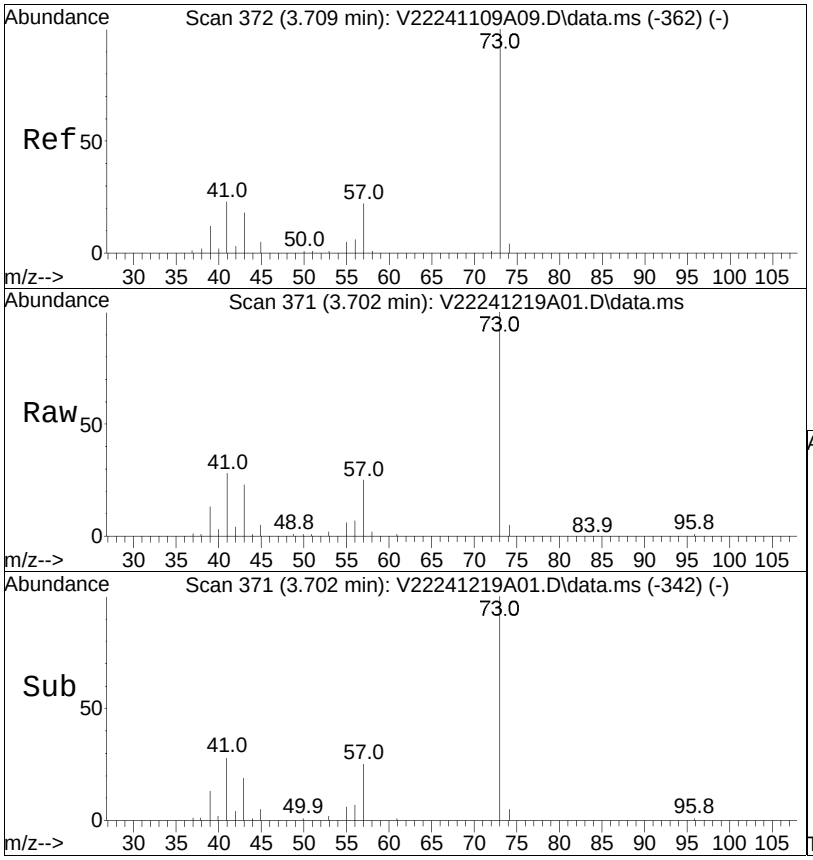


#18
trans-1,2-Dichloroethene
Concen: 11.36 ug/L
RT: 3.611 min Scan# 357
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 96 Resp: 89972

Ion	Ratio	Lower	Upper
96	100		
61	130.9	81.6	169.6
98	63.2	41.8	86.8
63	41.1	26.3	54.7

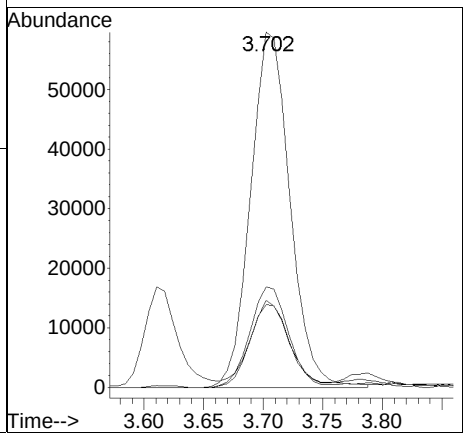


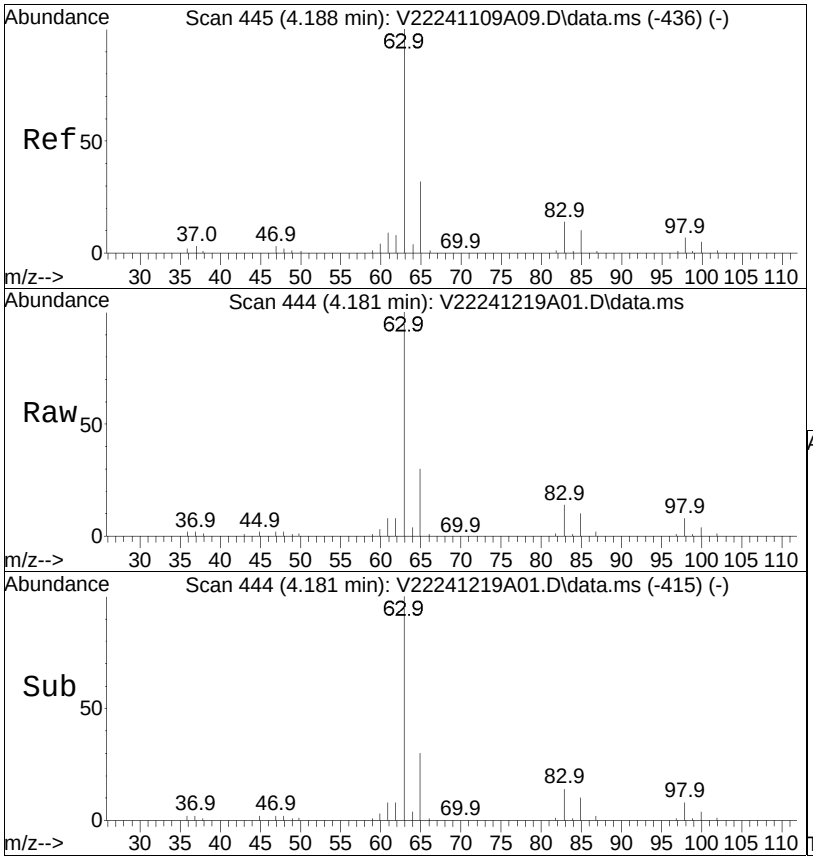


#21
Methyl tert-butyl ether
Concen: 9.86 ug/L
RT: 3.702 min Scan# 371
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 73 Resp: 136892

Ion	Ratio	Lower	Upper
73	100		
57	23.8	13.6	28.2
43	23.4	12.7	26.5
41	28.1	11.4	23.8#

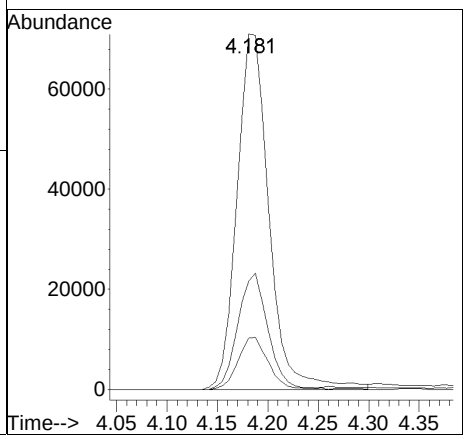


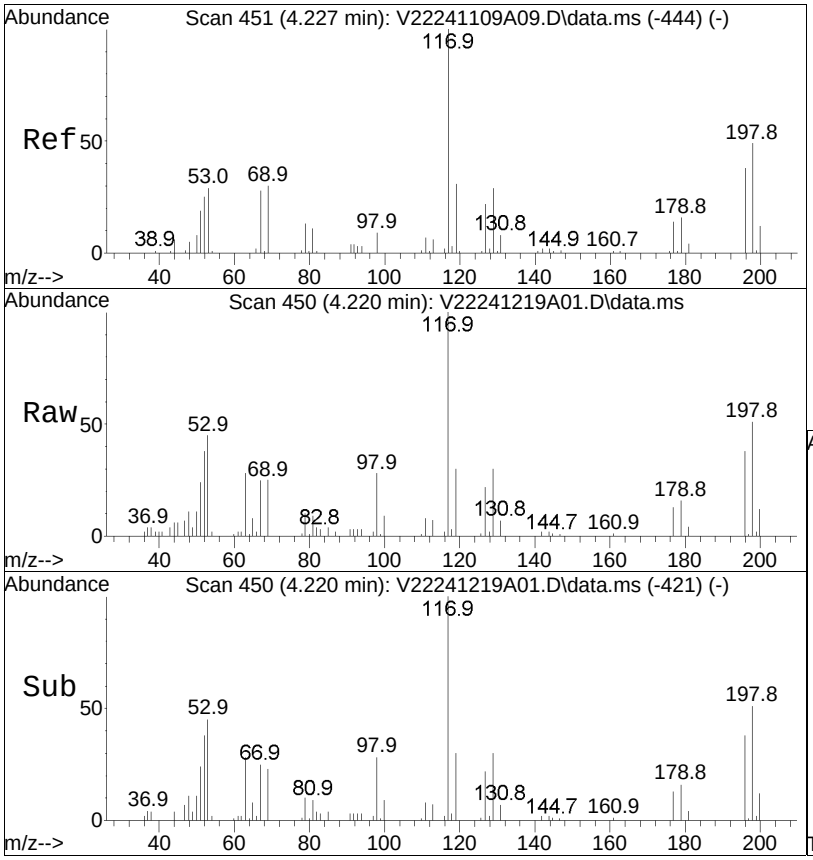


#25
1,1-Dichloroethane
Concen: 10.98 ug/L
RT: 4.181 min Scan# 444
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 63 Resp: 157447

Ion	Ratio	Lower	Upper
63	100		
65	30.5	11.9	51.9
83	13.8	0.0	34.2

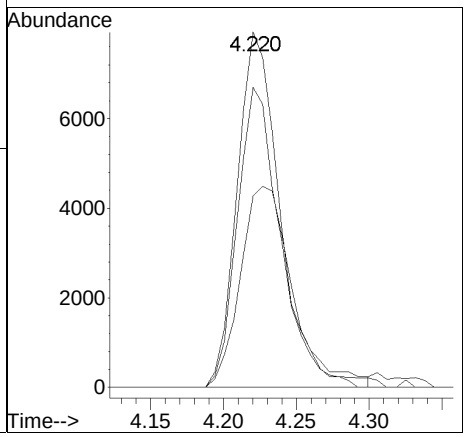


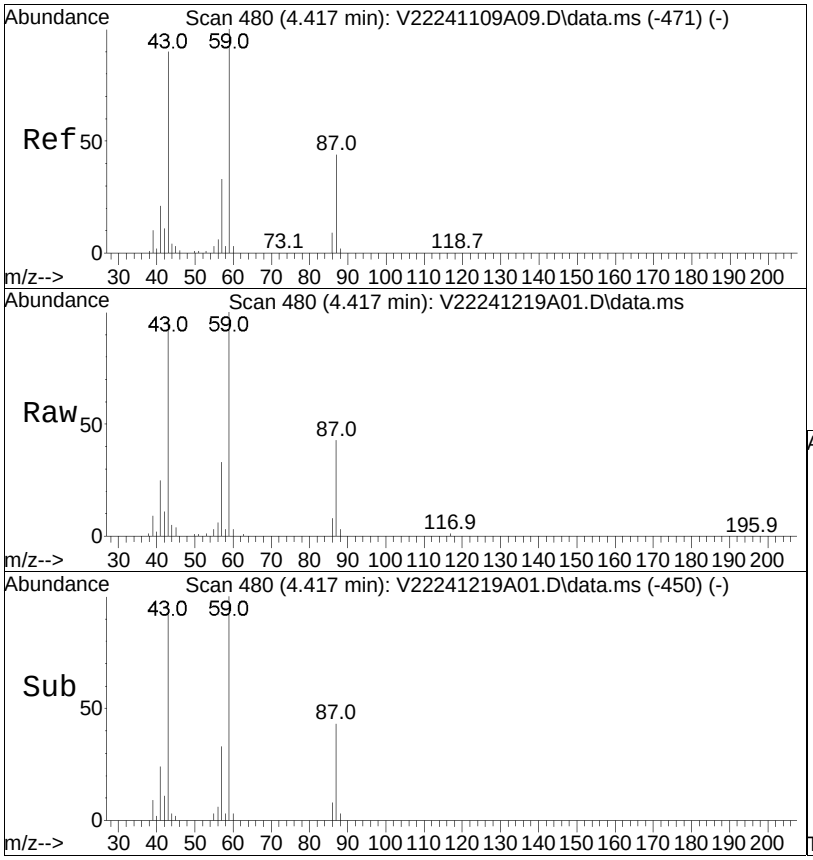


#27
Acrylonitrile
Concen: 11.37 ug/L
RT: 4.220 min Scan# 450
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 53 Resp: 16566

Ion	Ratio	Lower	Upper
53	100		
52	84.8	63.8	95.8
51	65.2	50.2	75.4

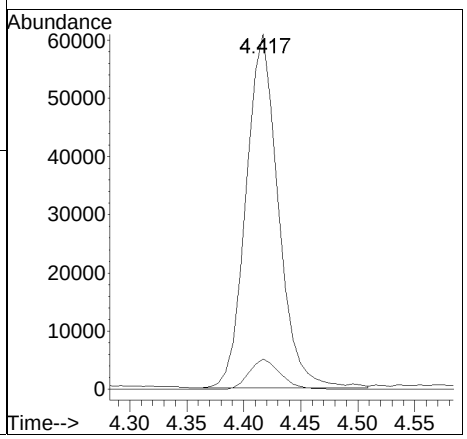


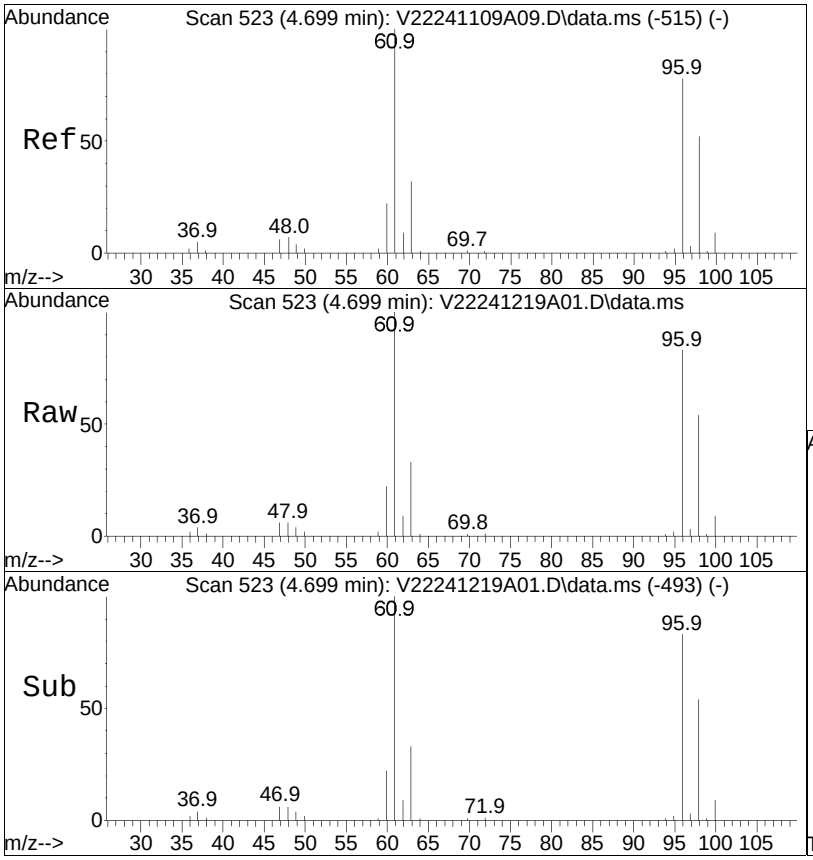


#29
Vinyl acetate
Concen: 9.66 ug/L
RT: 4.417 min Scan# 480
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 43 Resp: 120026

Ion	Ratio	Lower	Upper
43	100		
86	8.3	8.9	13.3#

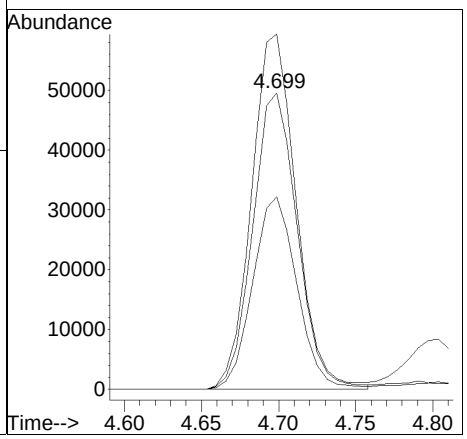


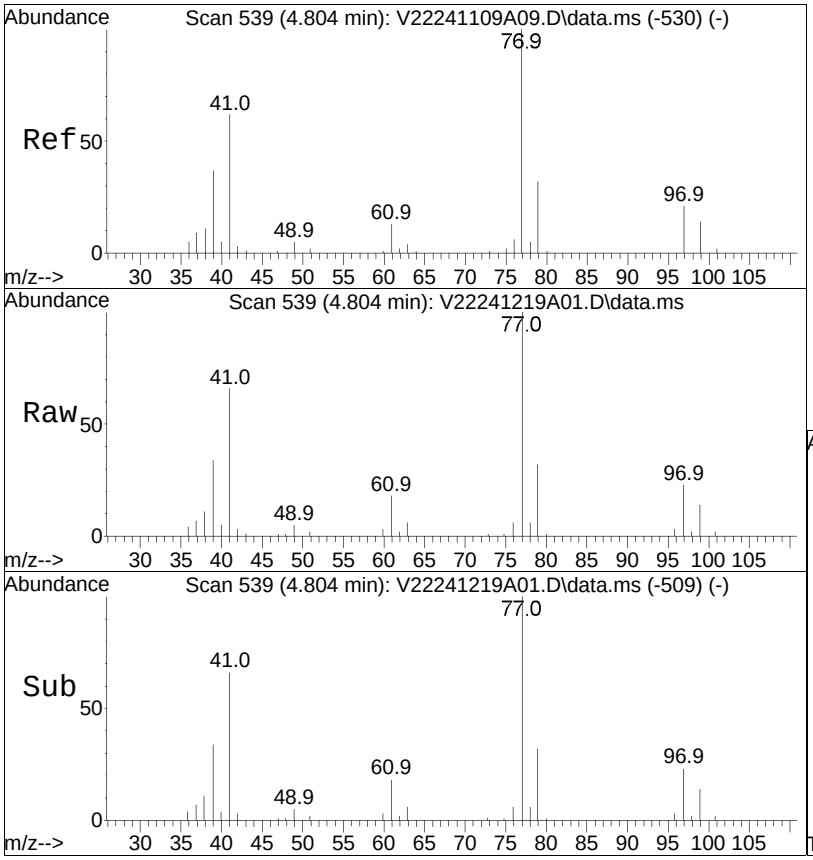


#30
cis-1,2-Dichloroethene
Concen: 11.38 ug/L
RT: 4.699 min Scan# 523
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 96 Resp: 99752

Ion	Ratio	Lower	Upper
96	100		
61	119.9	90.3	135.5
98	64.5	50.8	76.2

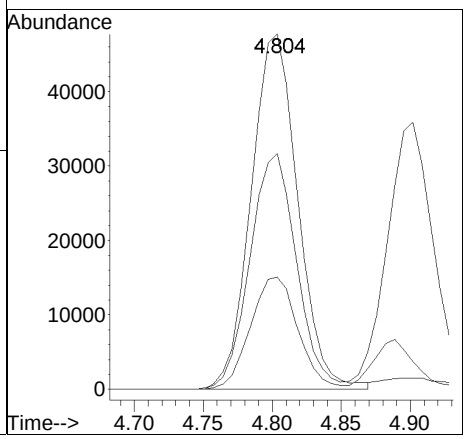


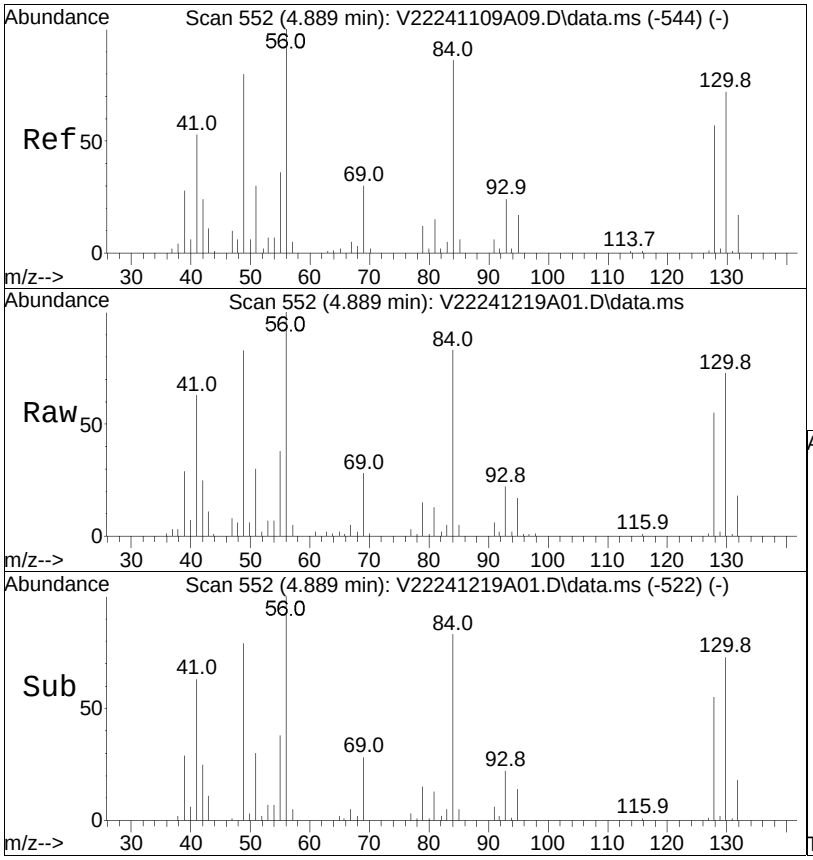


#31
2,2-Dichloropropane
Concen: 10.61 ug/L
RT: 4.804 min Scan# 539
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 77 Resp: 112368

Ion	Ratio	Lower	Upper
77	100		
41	66.1	32.3	67.1
79	32.2	21.1	43.7

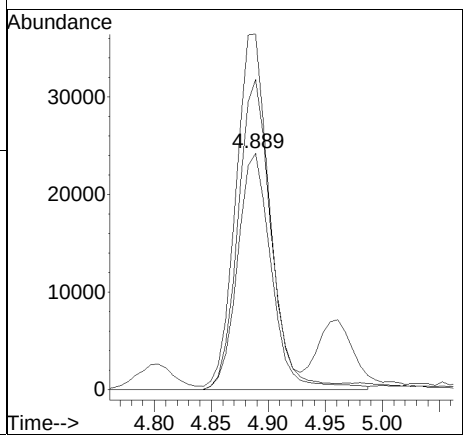


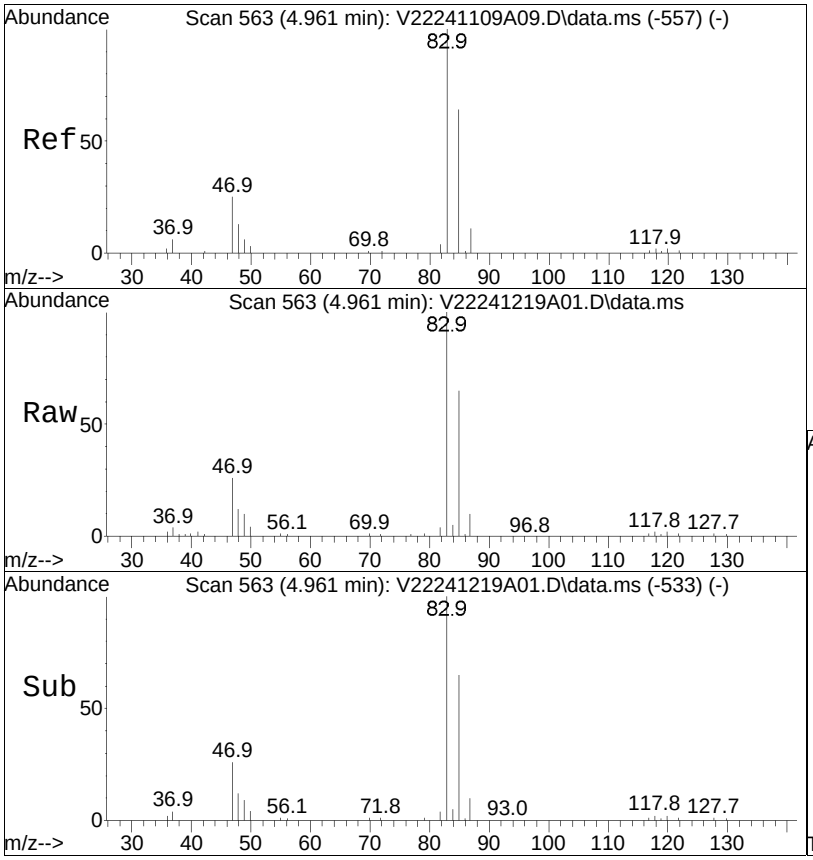


#32
Bromochloromethane
Concen: 11.39 ug/L
RT: 4.889 min Scan# 552
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:128 Resp: 50185

Ion	Ratio	Lower	Upper
128	100		
49	146.2	104.4	156.6
130	127.9	103.9	155.9

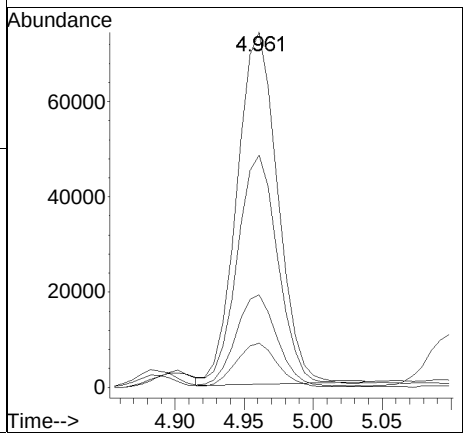


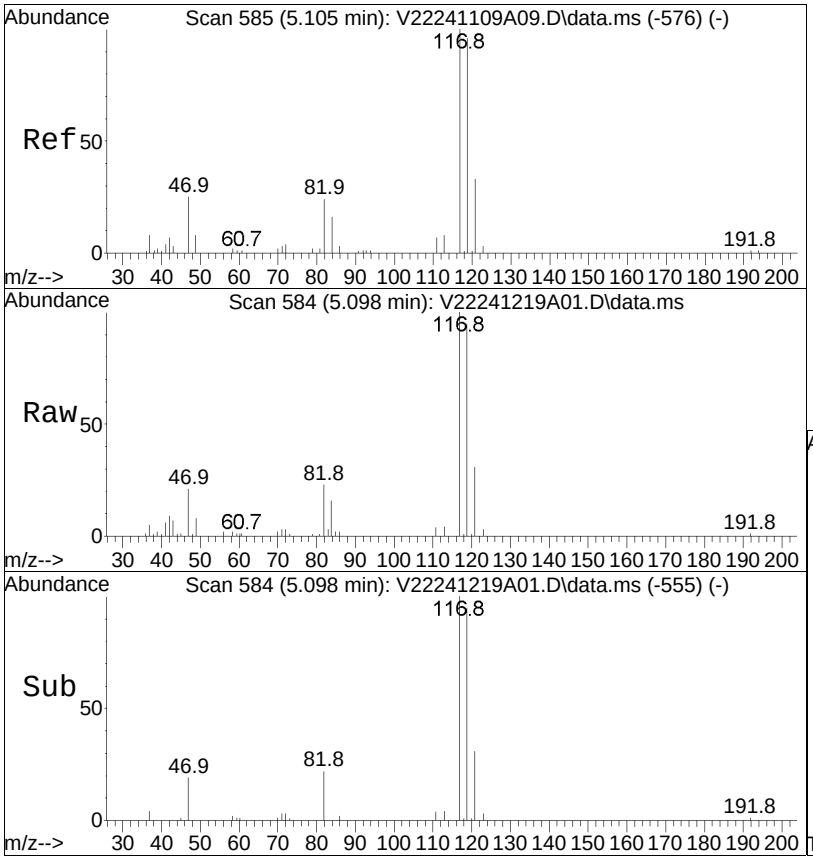


#34
Chloroform
Concen: 10.63 ug/L
RT: 4.961 min Scan# 563
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 83 Resp: 152380

Ion	Ratio	Lower	Upper
83	100		
85	65.4	42.4	88.2
47	25.9	14.0	29.0
48	13.0	6.9	14.3

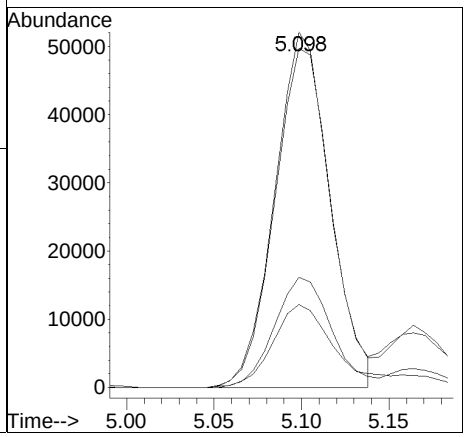


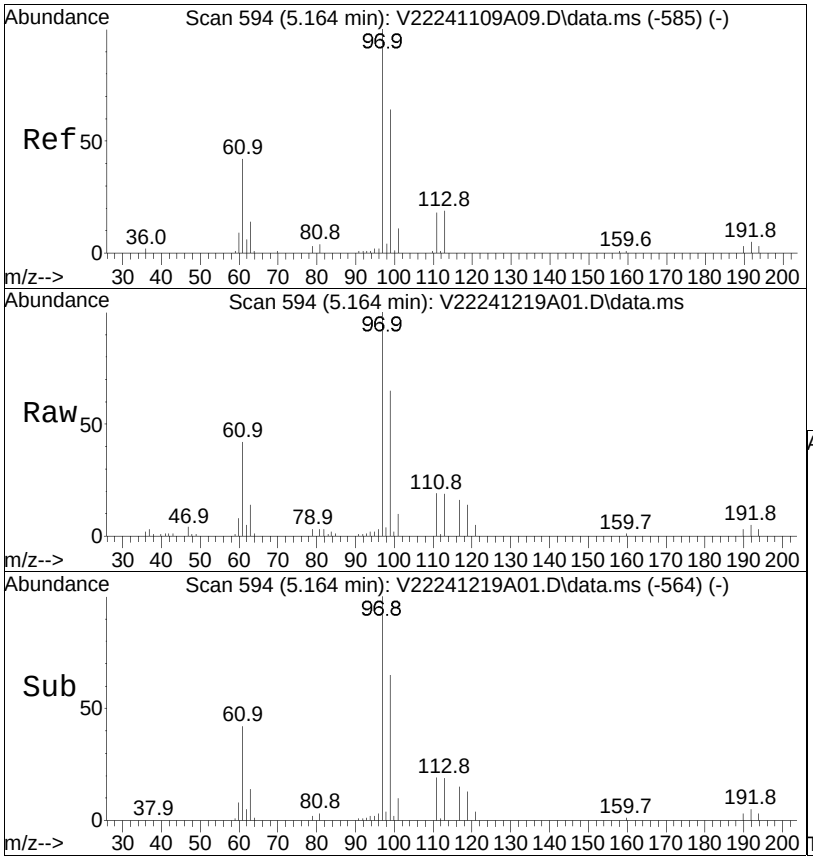


#36
Carbon tetrachloride
Concen: 9.86 ug/L
RT: 5.098 min Scan# 584
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:117 Resp: 114311

Ion	Ratio	Lower	Upper
117	100		
119	97.6	62.1	129.1
121	32.3	20.3	42.3
82	29.4	15.4	32.0

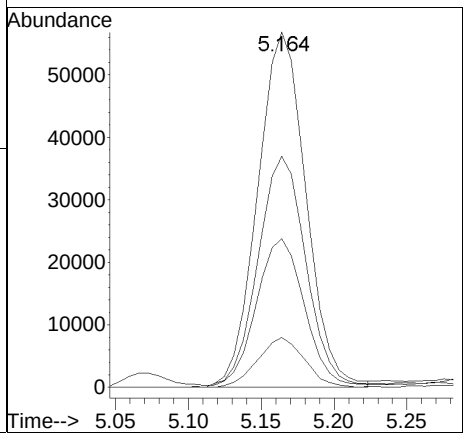


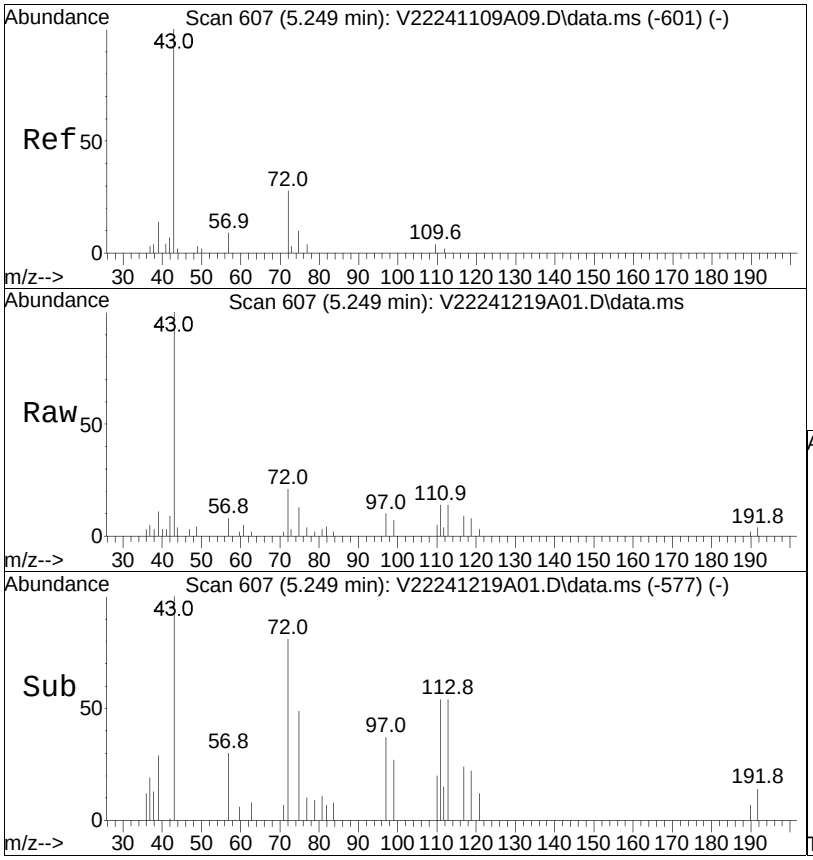


#39
1,1,1-Trichloroethane
Concen: 10.04 ug/L
RT: 5.164 min Scan# 594
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 97 Resp: 131254

Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.4	88.0
61	41.1	26.0	54.0
63	13.6	8.3	17.3

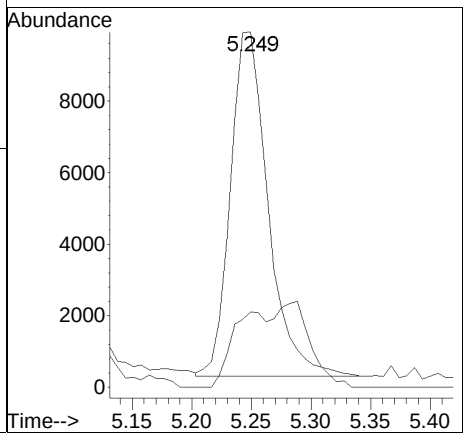


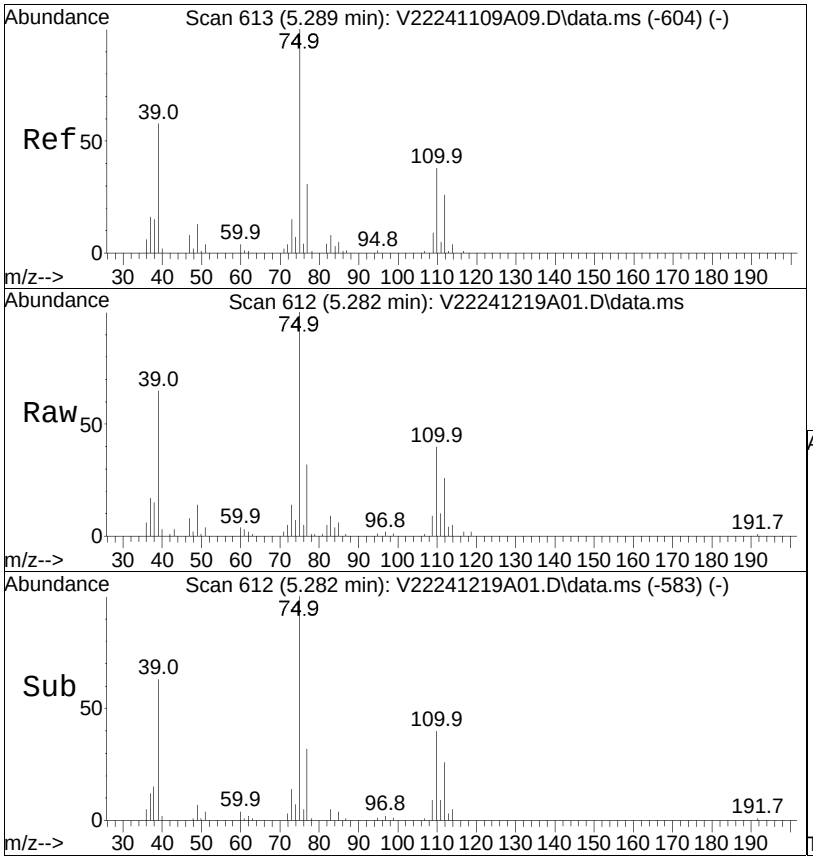


#41
2-Butanone
Concen: 12.26 ug/L
RT: 5.249 min Scan# 607
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 43 Resp: 21254

Ion	Ratio	Lower	Upper
43	100		
72	20.3	45.8	68.8#

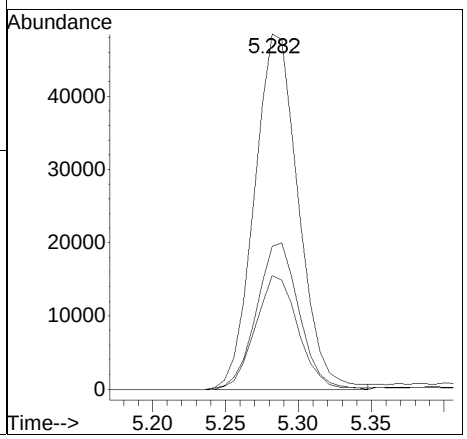


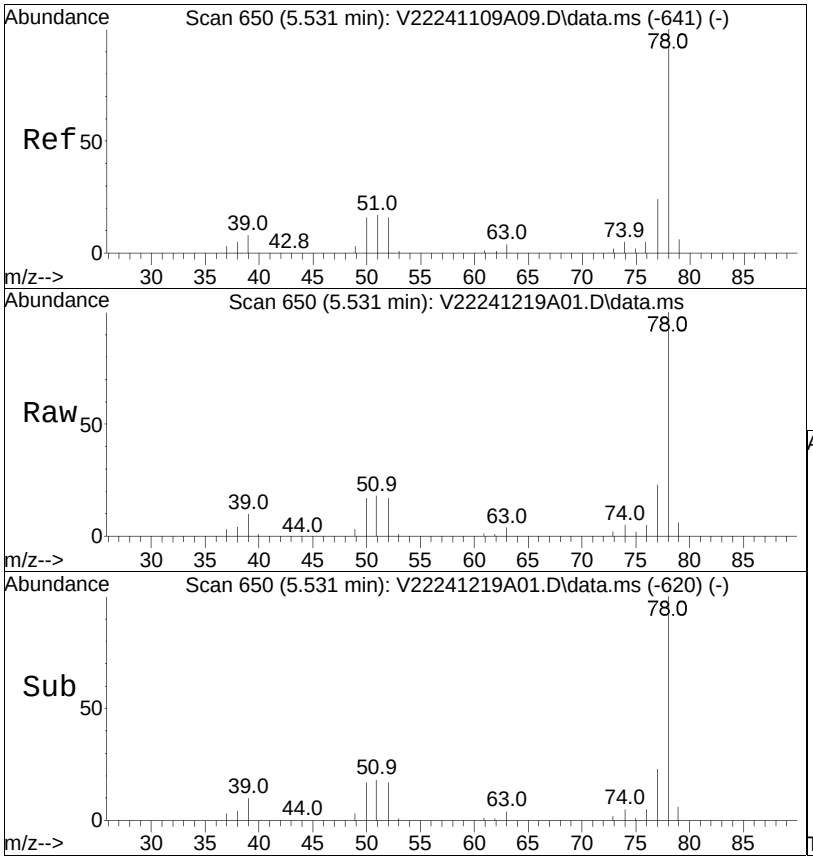


#42
1,1-Dichloropropene
Concen: 9.64 ug/L
RT: 5.282 min Scan# 612
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 75 Resp: 101859

Ion	Ratio	Lower	Upper
75	100		
110	40.0	25.4	52.8
77	31.2	20.3	42.1

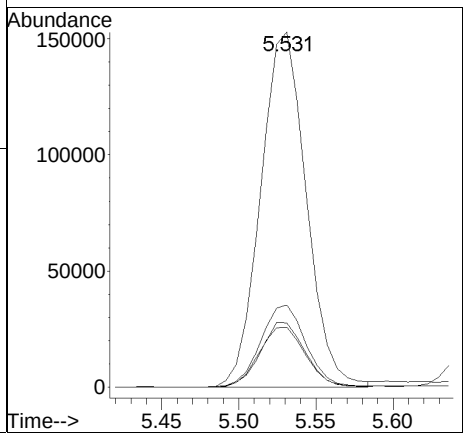


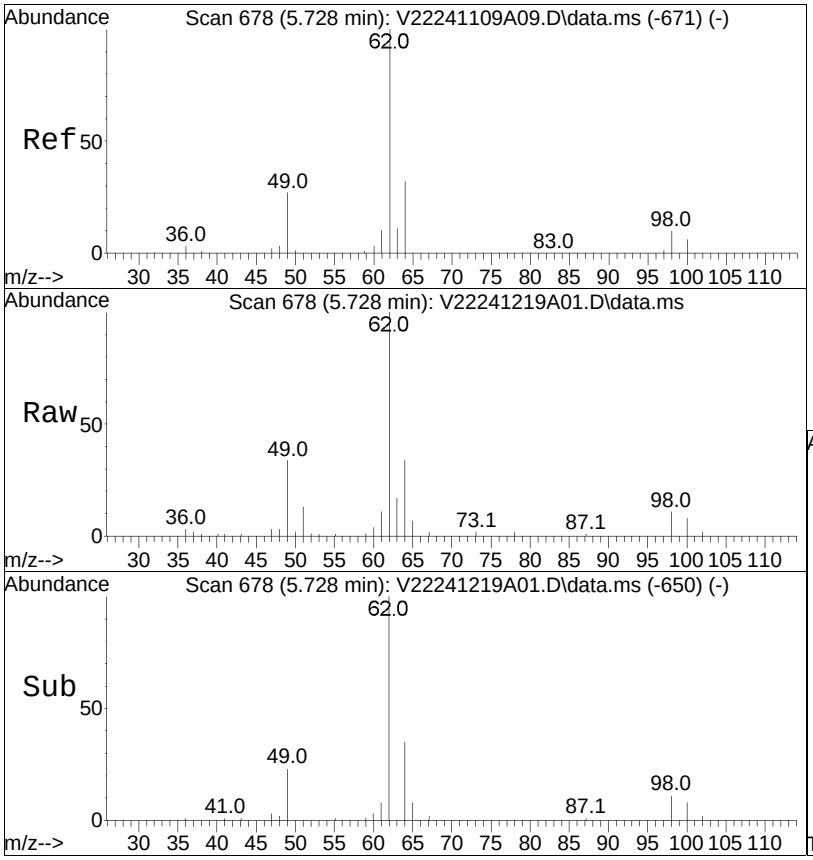


#44
Benzene
Concen: 10.10 ug/L
RT: 5.531 min Scan# 650
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 78 Resp: 315134

Ion	Ratio	Lower	Upper
78	100		
77	22.8	15.4	32.0
51	18.3	9.8	20.4
52	17.2	9.2	19.2

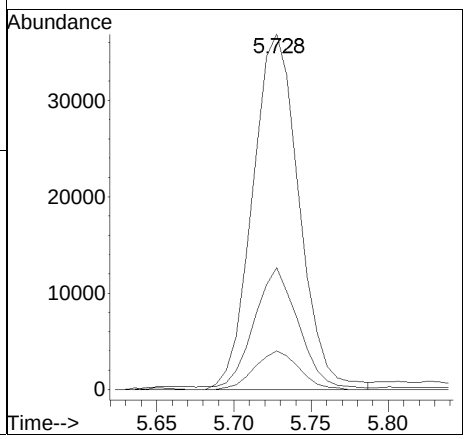


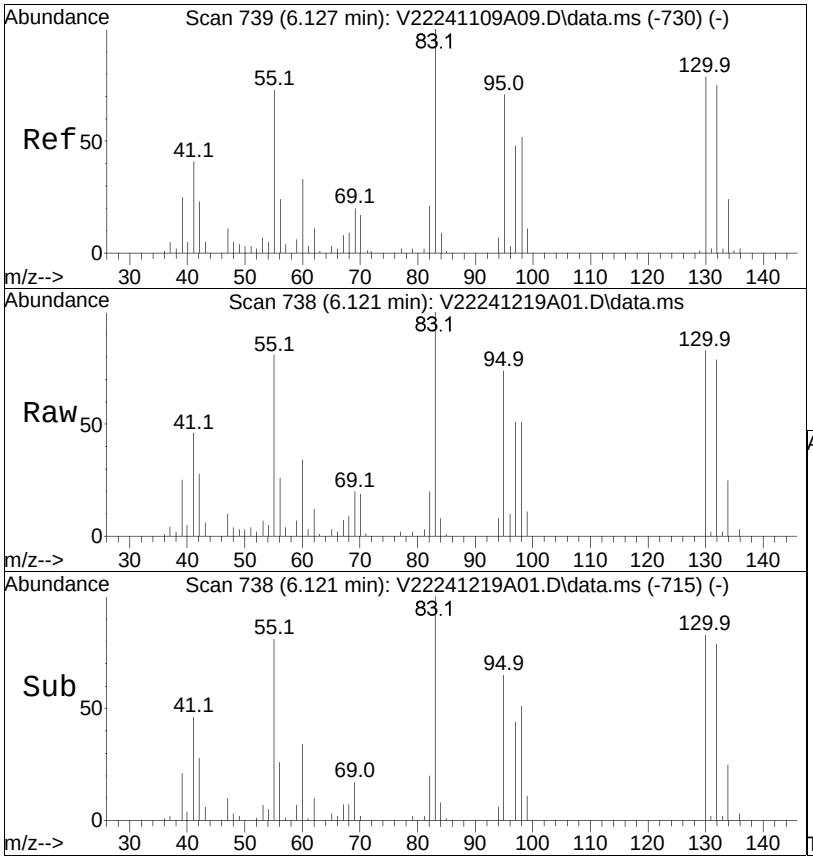


#47
1,2-Dichloroethane
Concen: 10.18 ug/L
RT: 5.728 min Scan# 678
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 62 Resp: 77117

Ion	Ratio	Lower	Upper
62	100		
64	32.2	12.3	52.3
98	10.3	0.0	30.3

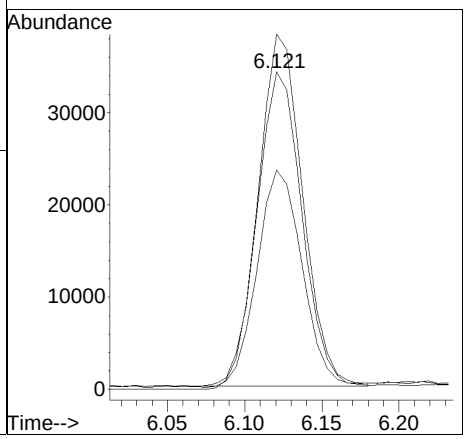


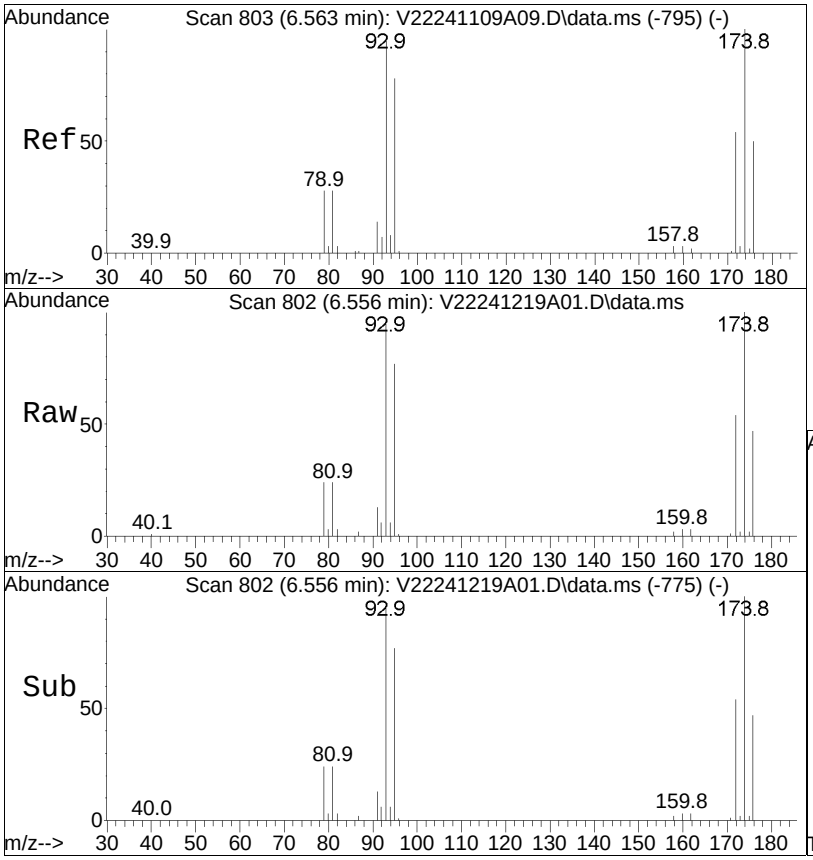


#51
Trichloroethene
Concen: 9.53 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 95 Resp: 69196

Ion	Ratio	Lower	Upper
95	100		
97	70.3	55.0	82.4
130	113.8	89.2	133.8

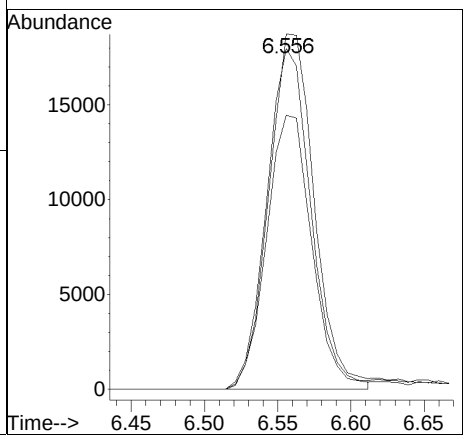


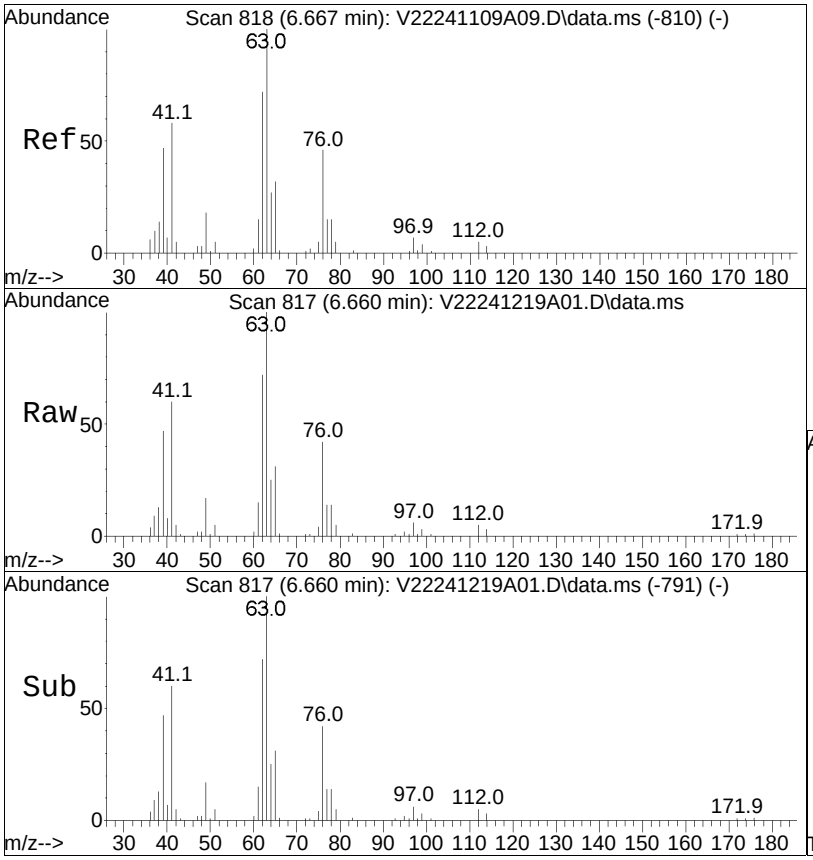


#53
Dibromomethane
Concen: 11.01 ug/L
RT: 6.556 min Scan# 802
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 93 Resp: 42548

Ion	Ratio	Lower	Upper
93	100		
95	82.0	68.0	102.0
174	105.7	106.1	159.1#

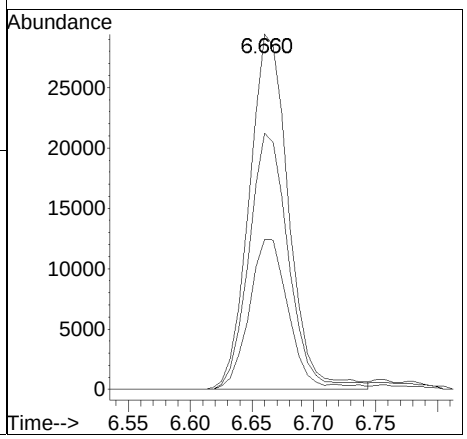


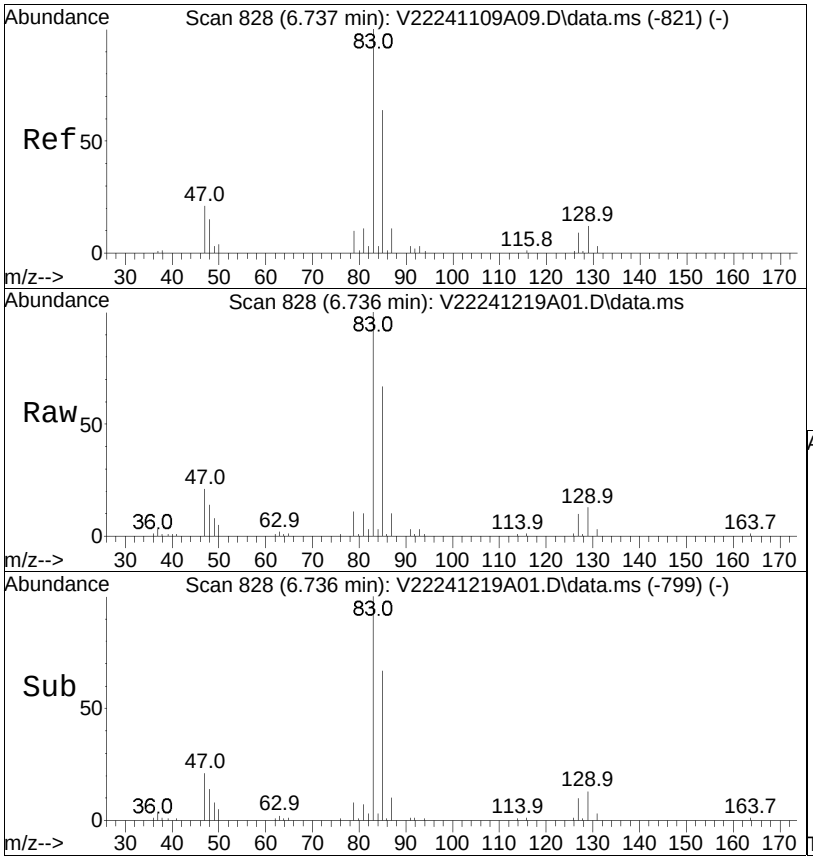


#54
1,2-Dichloropropane
Concen: 10.45 ug/L
RT: 6.660 min Scan# 817
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 63 Resp: 65518

Ion	Ratio	Lower	Upper
63	100		
62	72.4	56.9	85.3
76	42.3	35.8	53.8

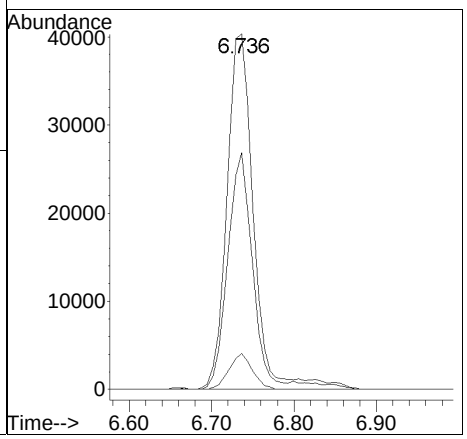


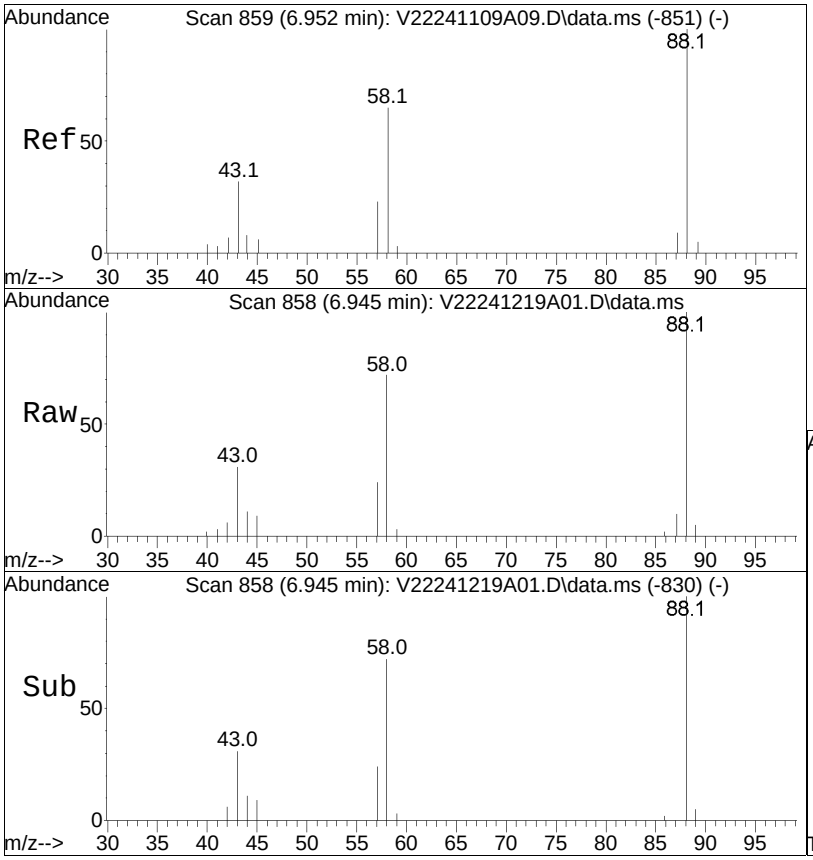


#57
Bromodichloromethane
Concen: 10.48 ug/L
RT: 6.736 min Scan# 828
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 83 Resp: 91249

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.6	77.4
127	8.9	7.4	11.0

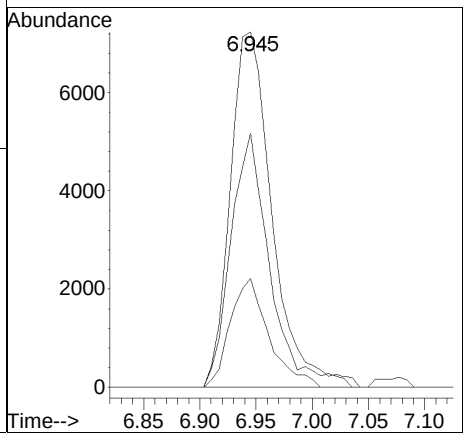


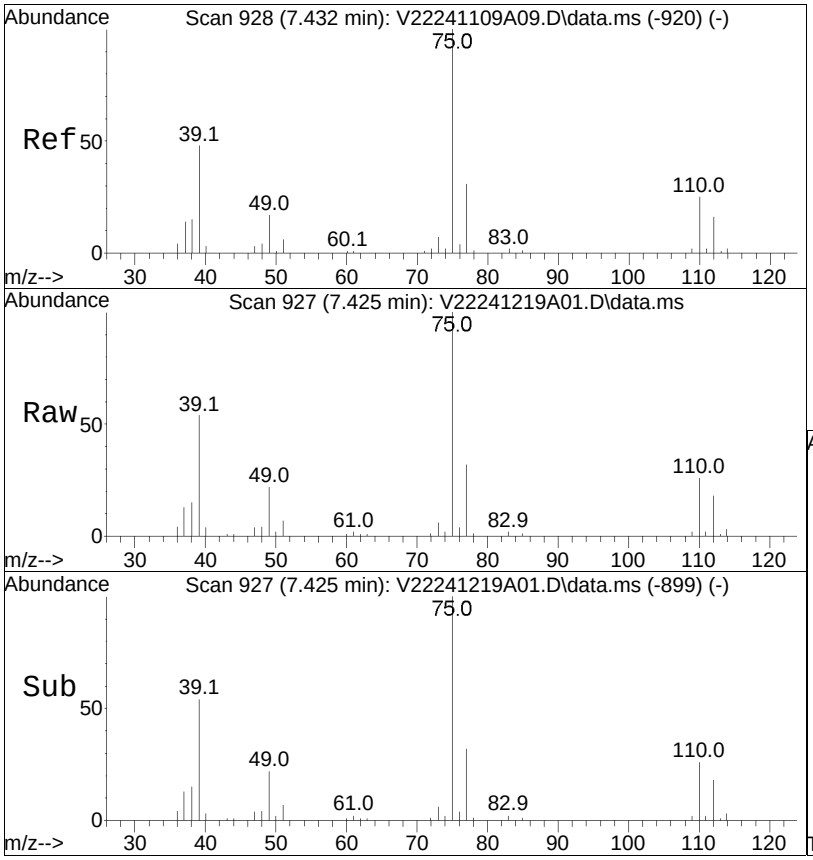


#60
1,4-Dioxane
Concen: 621.72 ug/L
RT: 6.945 min Scan# 858
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 88 Resp: 18766

Ion	Ratio	Lower	Upper
88	100		
58	66.7	43.3	64.9#
43	28.4	15.1	22.7#

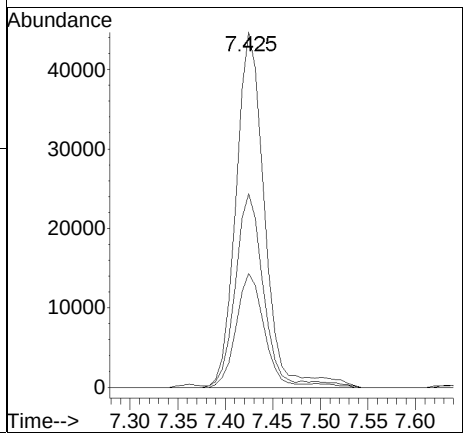


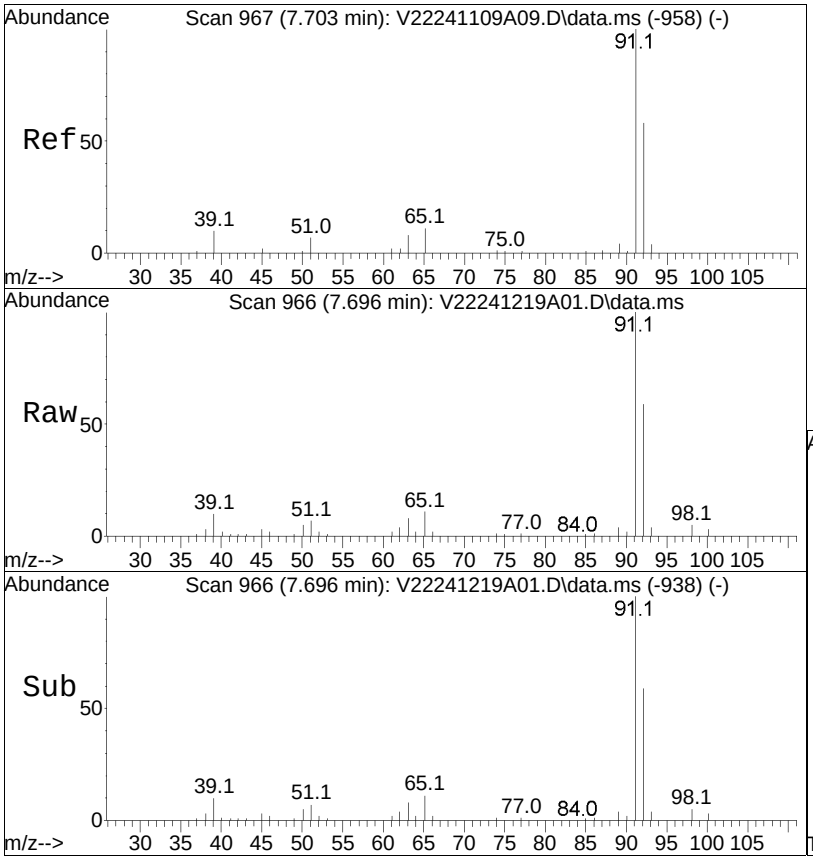


#61
cis-1,3-Dichloropropene
Concen: 10.32 ug/L
RT: 7.425 min Scan# 927
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 75 Resp: 93567

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	54.4	35.4	53.0#

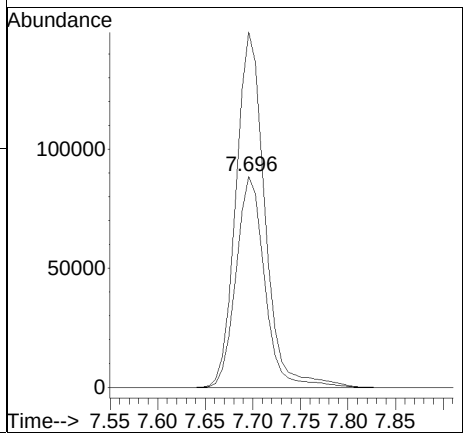


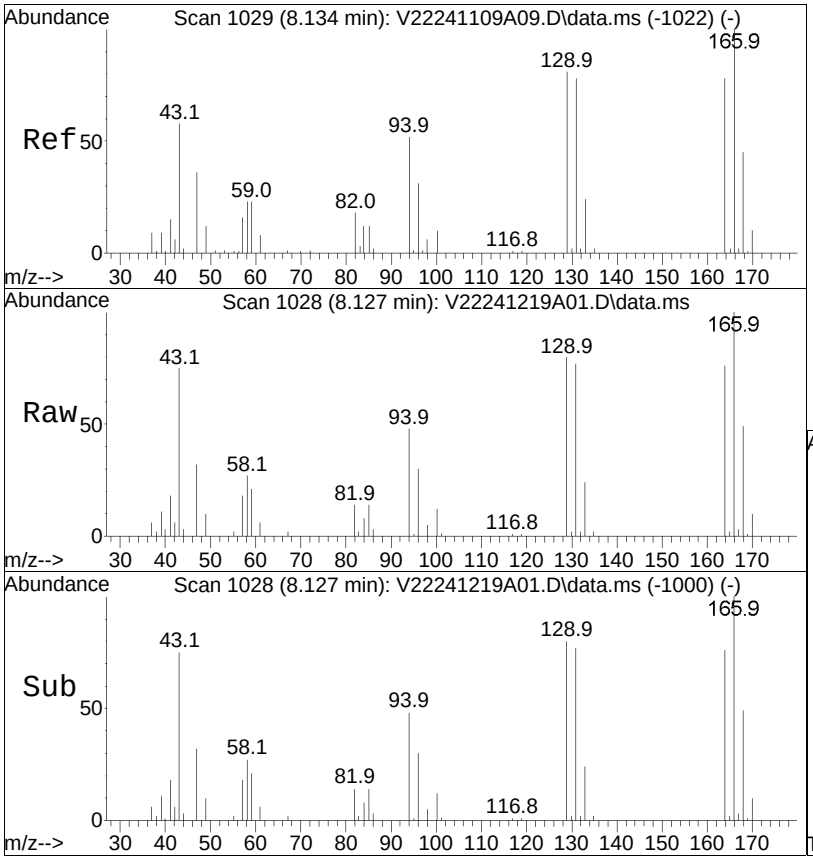


#64
Toluene
Concen: 10.59 ug/L
RT: 7.696 min Scan# 966
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 92 Resp: 185909

Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.0	205.6

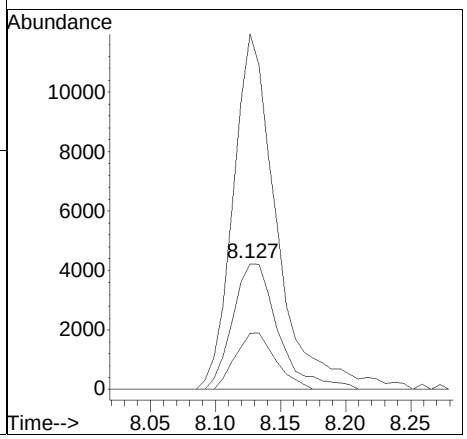


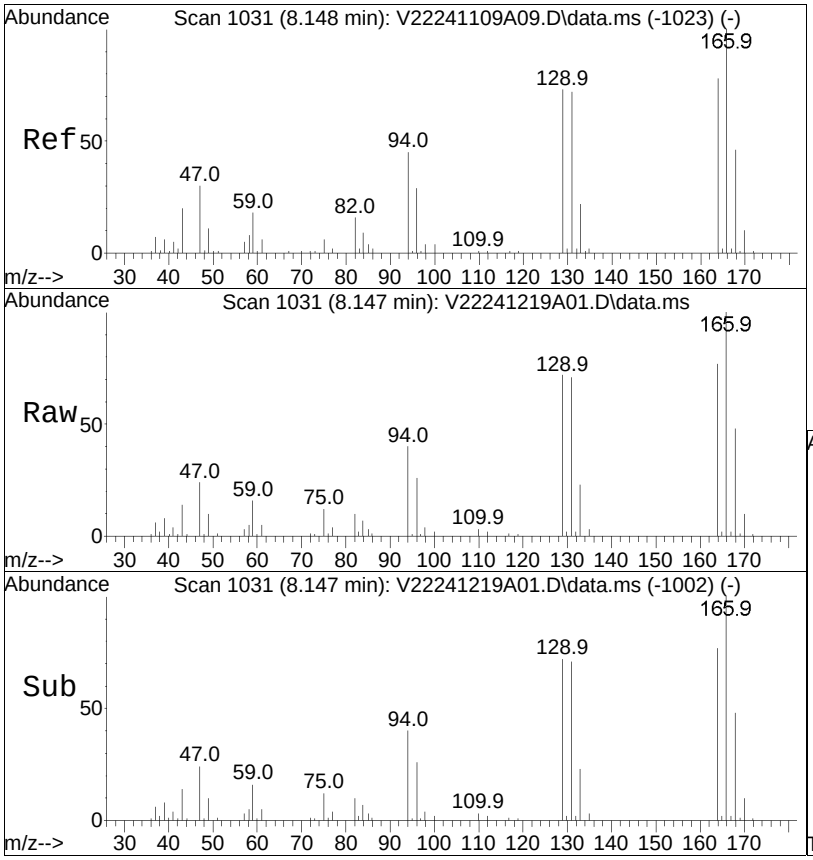


#65
4-Methyl-2-pentanone
Concen: 8.53 ug/L
RT: 8.127 min Scan# 1028
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 58 Resp: 10302

Ion	Ratio	Lower	Upper
58	100		
100	39.8	36.2	54.4
43	273.6	181.8	272.8#

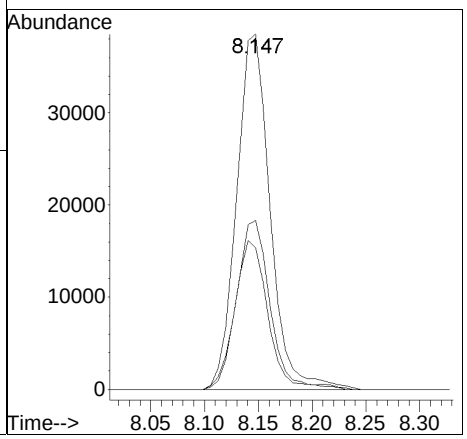


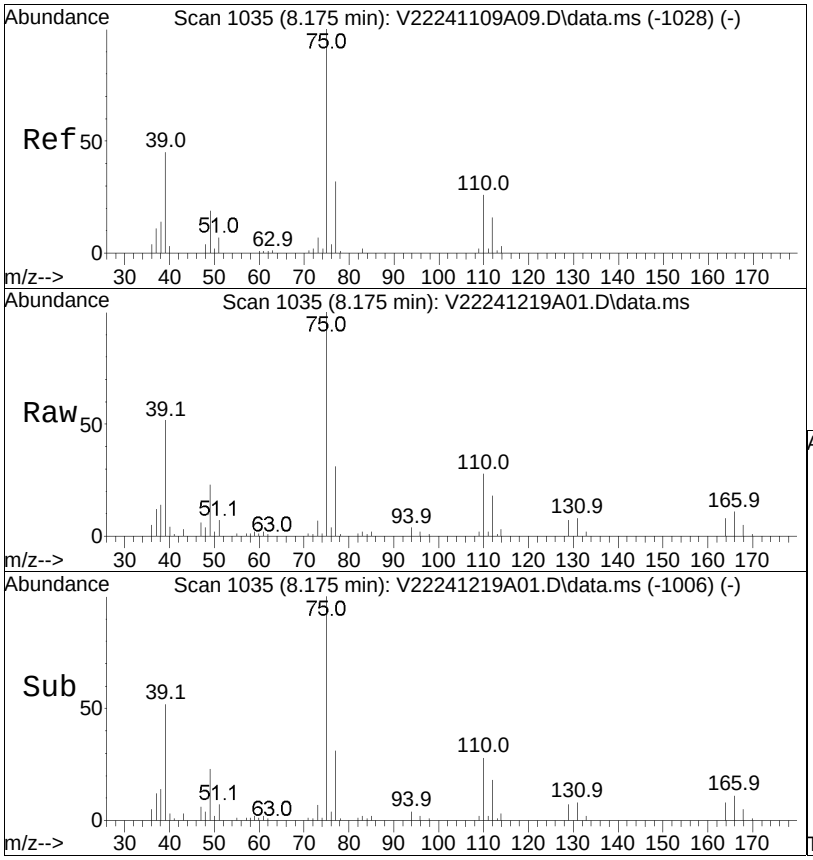


#66
Tetrachloroethene
Concen: 10.40 ug/L
RT: 8.147 min Scan# 1031
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:166 Resp: 83657

Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.8	67.8
94	41.5	16.7	56.7

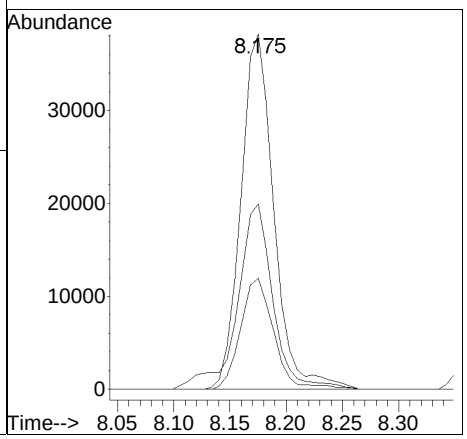


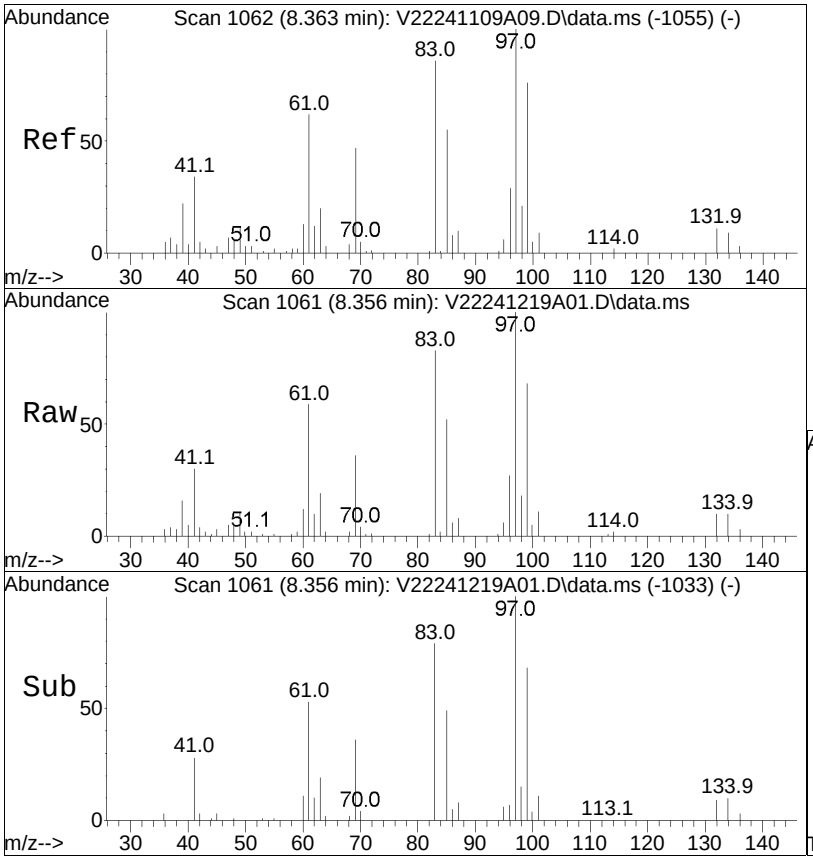


#68
trans-1,3-Dichloropropene
Concen: 9.75 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 75 Resp: 78109

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.9	51.9
39	56.4	27.4	67.4

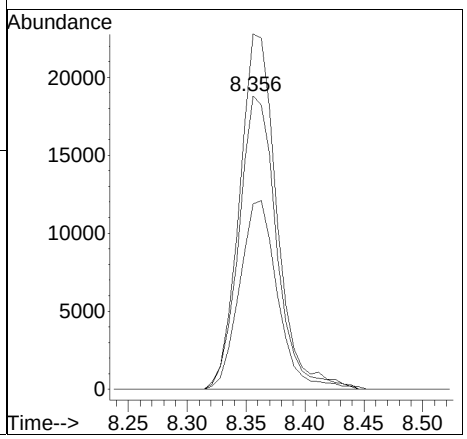


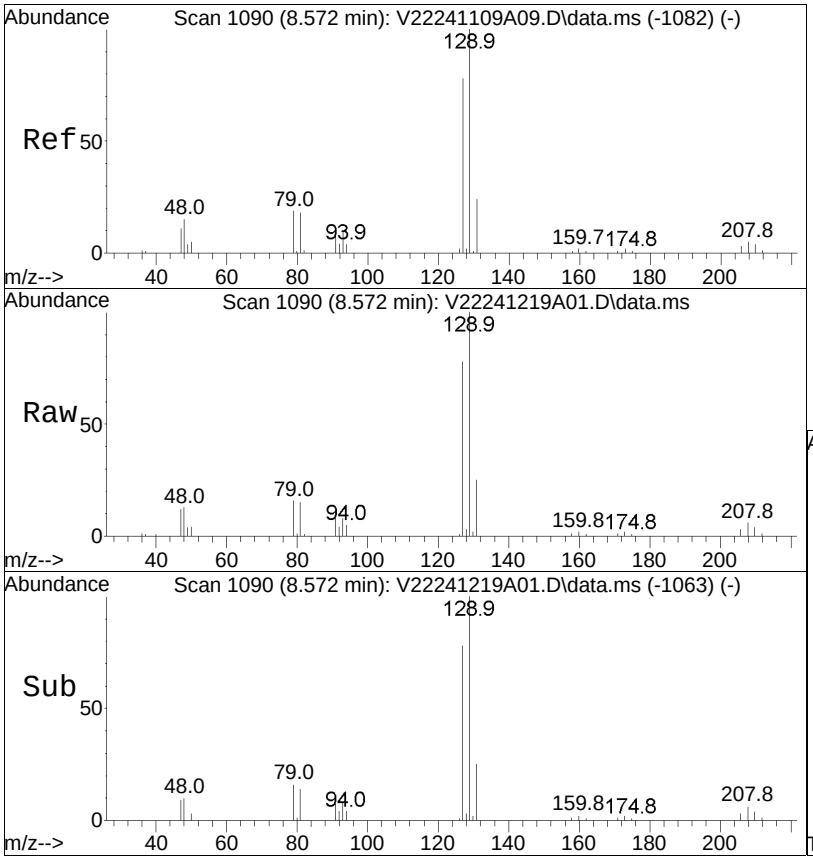


#71
1,1,2-Trichloroethane
Concen: 10.20 ug/L
RT: 8.356 min Scan# 1061
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 83 Resp: 41774

Ion	Ratio	Lower	Upper
83	100		
97	120.7	103.4	143.4
85	65.5	47.9	87.9

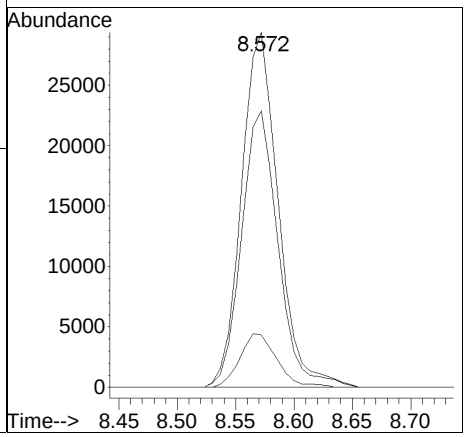


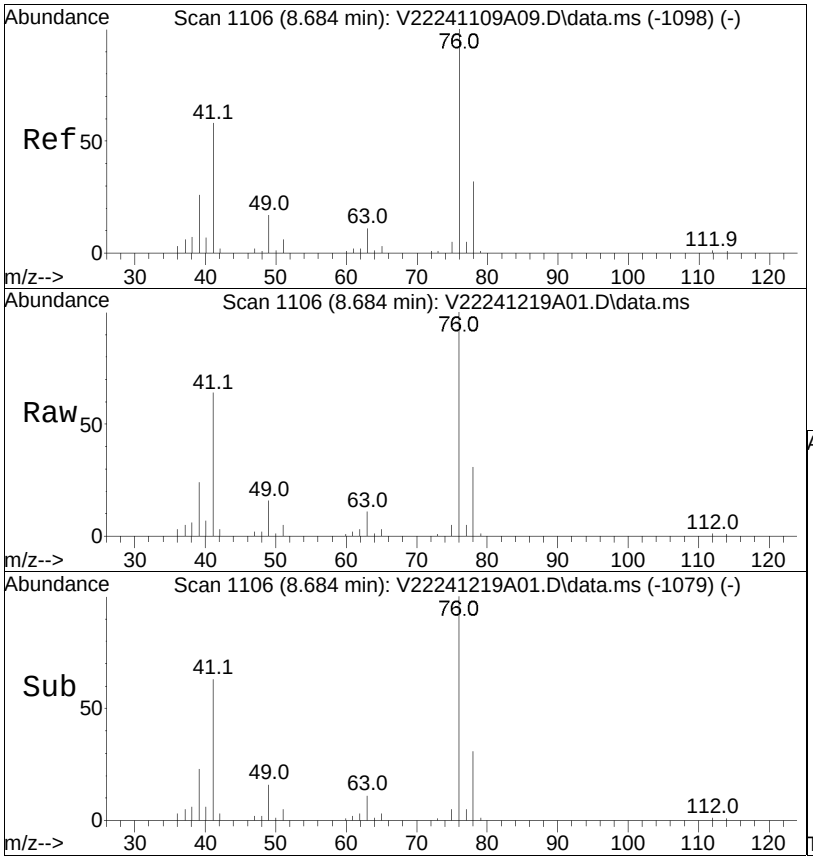


#72
Chlorodibromomethane
Concen: 9.57 ug/L
RT: 8.572 min Scan# 1090
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:129 Resp: 64489

Ion	Ratio	Lower	Upper
129	100		
81	15.3	0.0	33.8
127	77.6	57.1	97.1

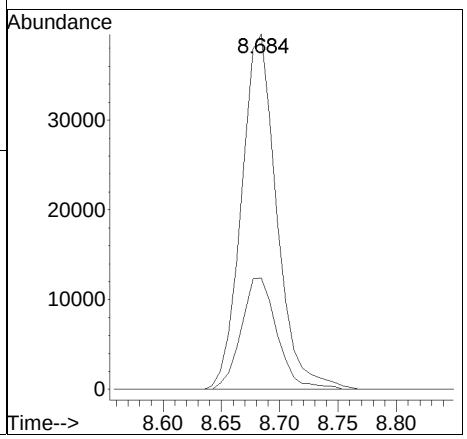


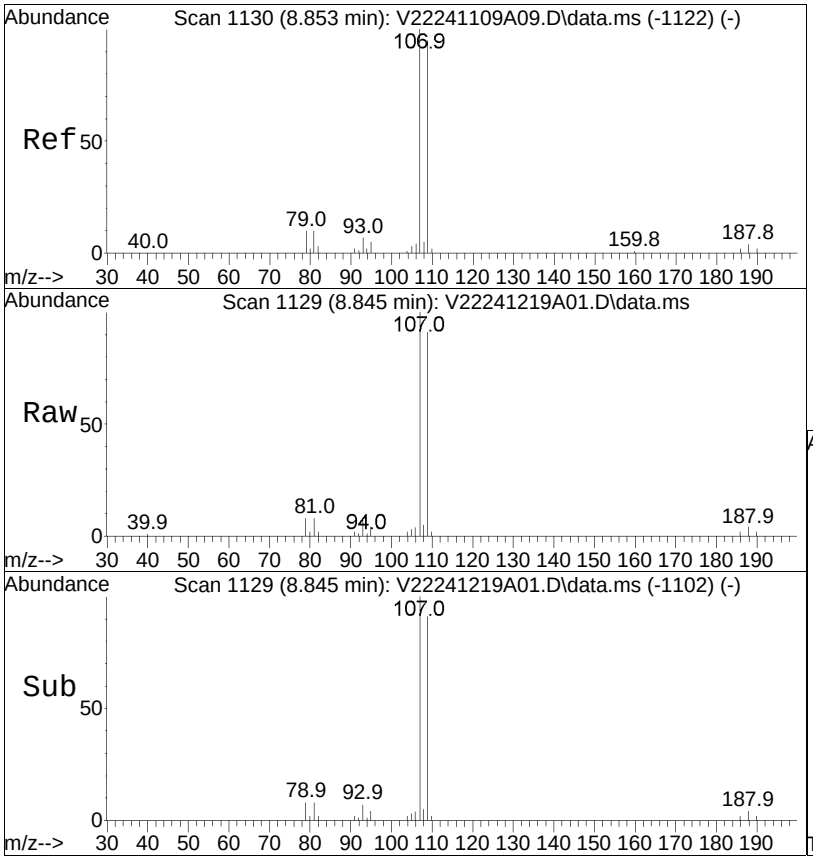


#73
1,3-Dichloropropane
Concen: 9.87 ug/L
RT: 8.684 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 76 Resp: 83247

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

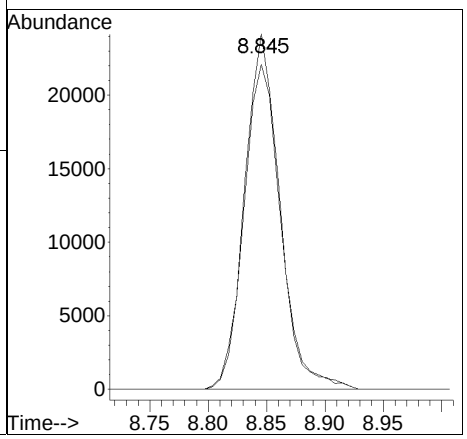


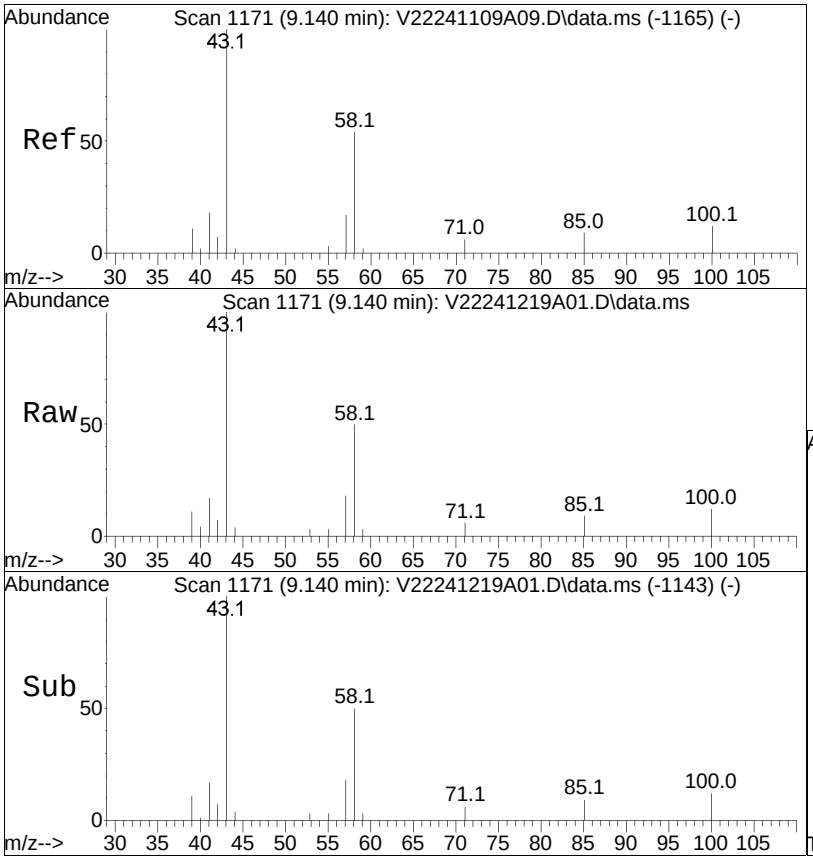


#74
1,2-Dibromoethane
Concen: 10.17 ug/L
RT: 8.845 min Scan# 1129
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:107 Resp: 51218

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.1	112.7

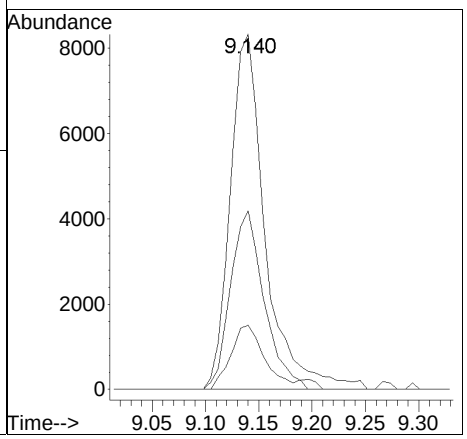


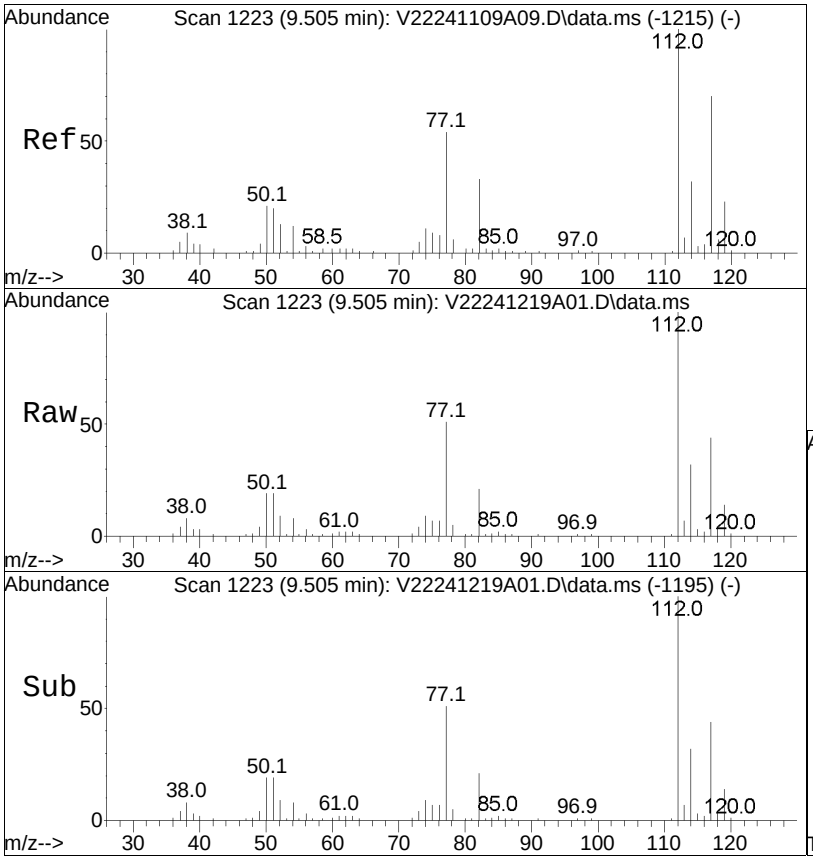


#76
2-Hexanone
Concen: 9.68 ug/L
RT: 9.140 min Scan# 1171
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 43 Resp: 19014

Ion	Ratio	Lower	Upper
43	100		
58	49.4	47.6	71.4
57	18.0	16.6	24.8

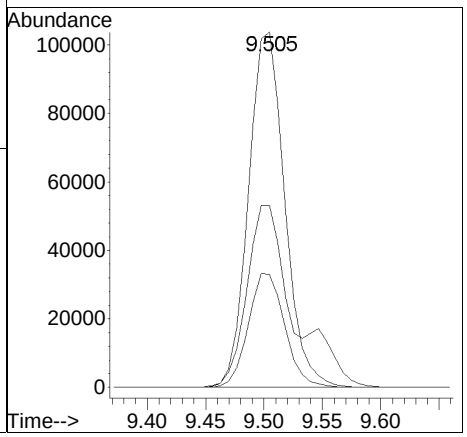


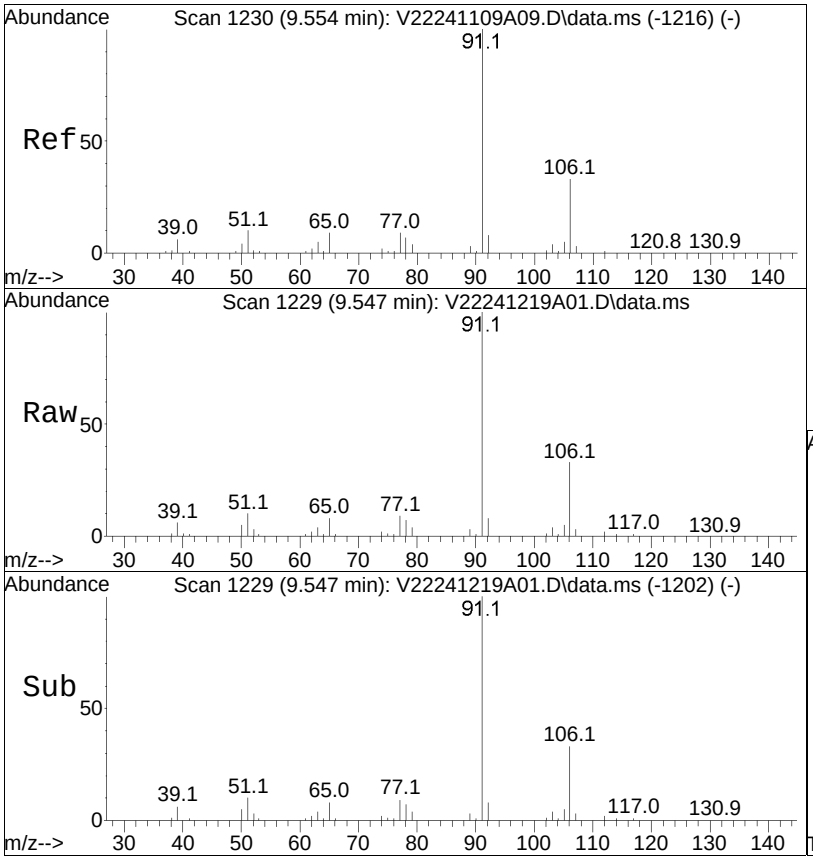


#77
Chlorobenzene
Concen: 11.05 ug/L
RT: 9.505 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:112 Resp: 223855

Ion	Ratio	Lower	Upper
112	100		
77	54.4	55.4	83.0#
114	32.3	26.2	39.4

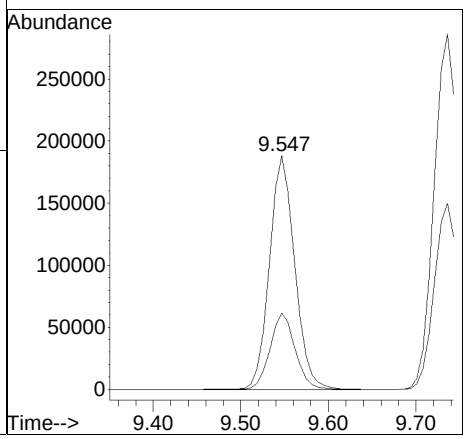


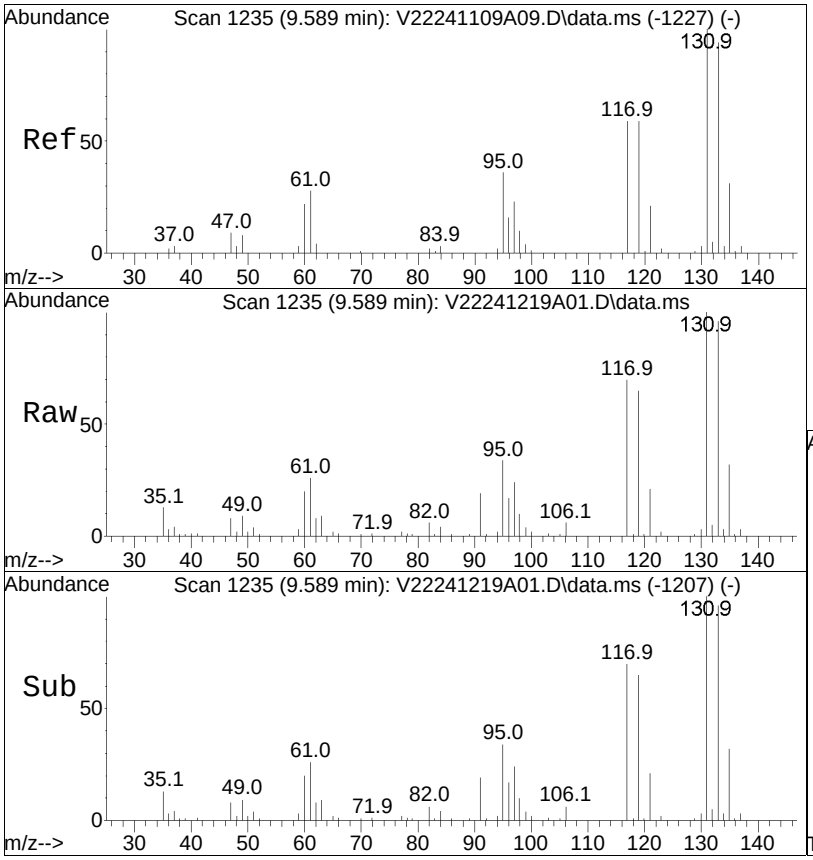


#78
Ethylbenzene
Concen: 10.80 ug/L
RT: 9.547 min Scan# 1229
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 91 Resp: 377026

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.8	38.6

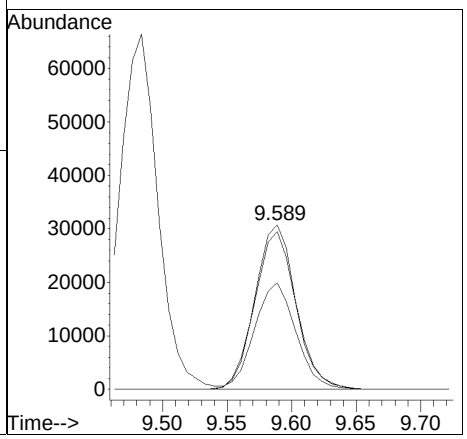


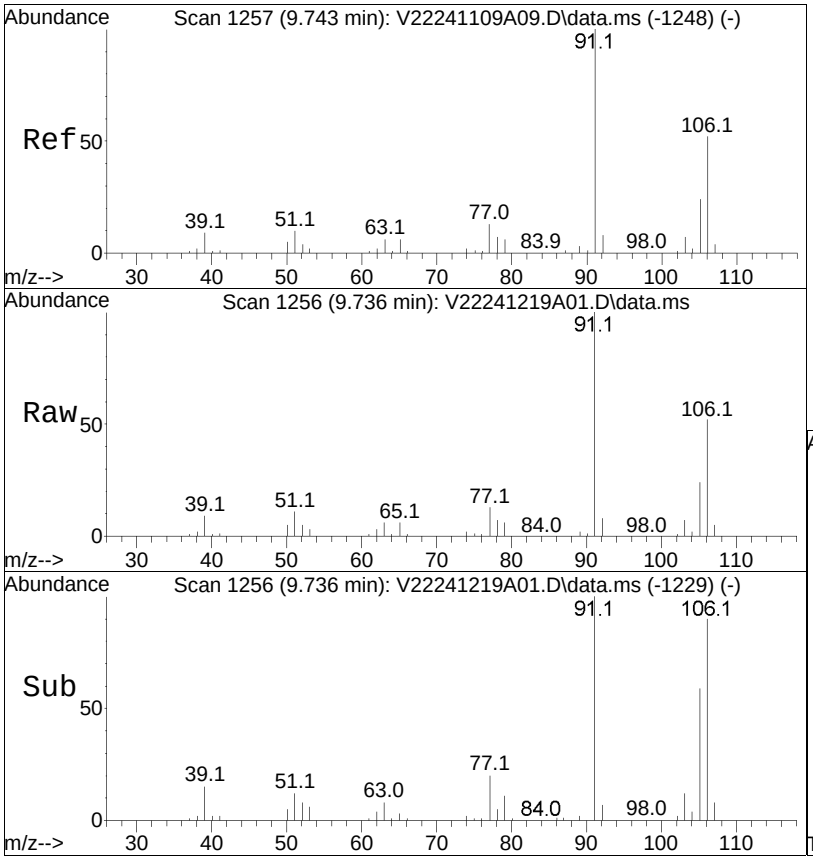


#79
1,1,1,2-Tetrachloroethane
Concen: 10.01 ug/L
RT: 9.589 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:131 Resp: 68698

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.3	115.3
119	64.6	49.3	89.3

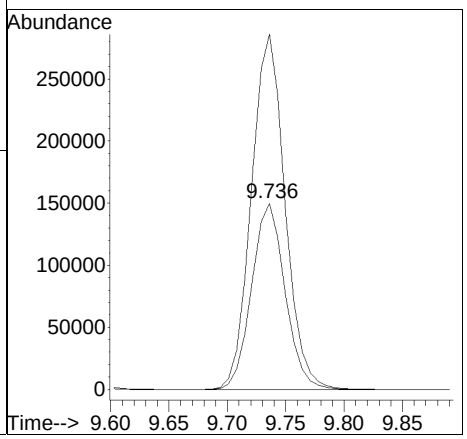


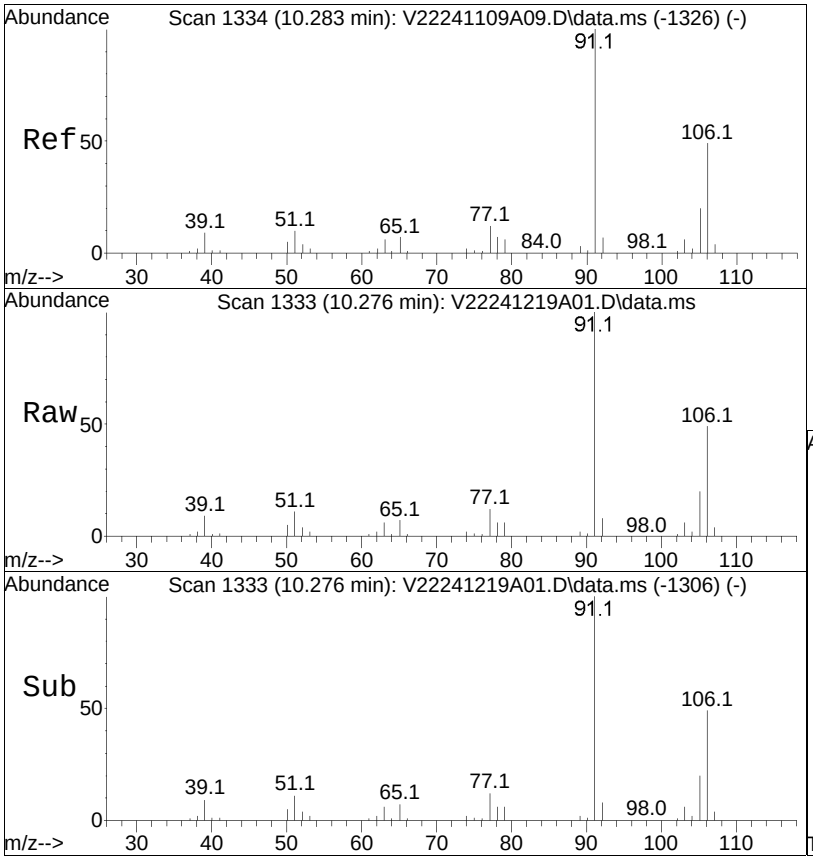


#80
p/m Xylene
Concen: 20.69 ug/L
RT: 9.736 min Scan# 1256
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:106 Resp: 297885

Ion	Ratio	Lower	Upper
106	100		
91	192.0	156.0	234.0

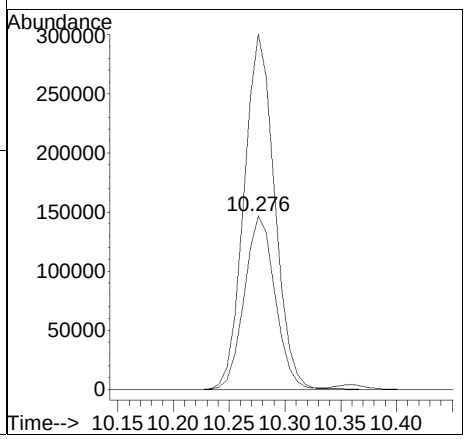


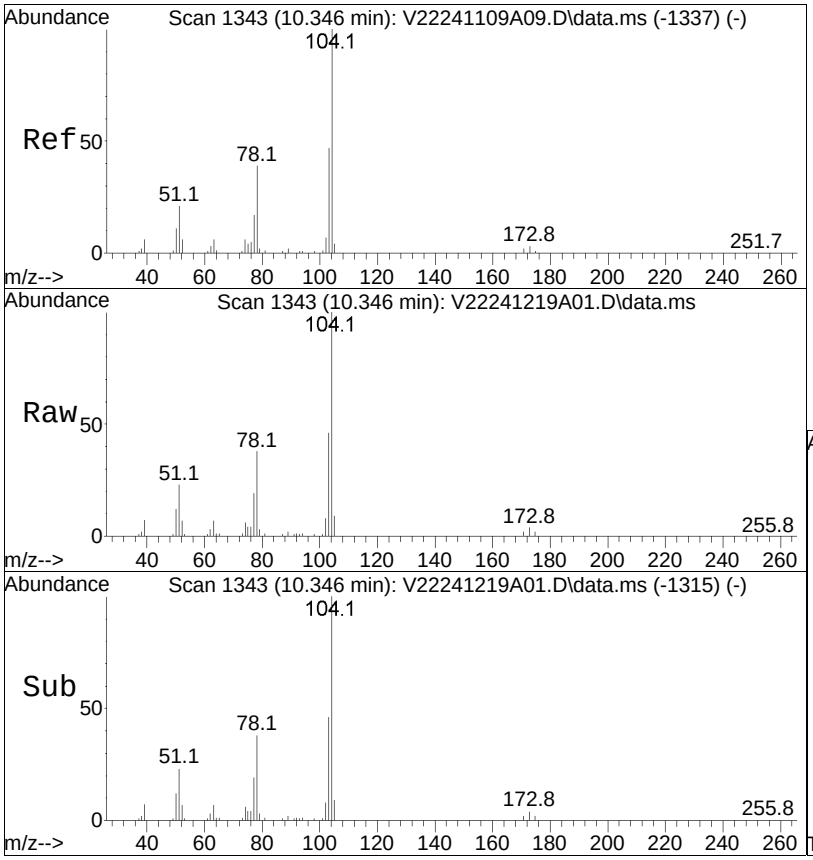


#81
o Xylene
Concen: 20.57 ug/L
RT: 10.276 min Scan# 1333
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:106 Resp: 282258

Ion	Ratio	Lower	Upper
106	100		
91	202.8	164.0	246.0

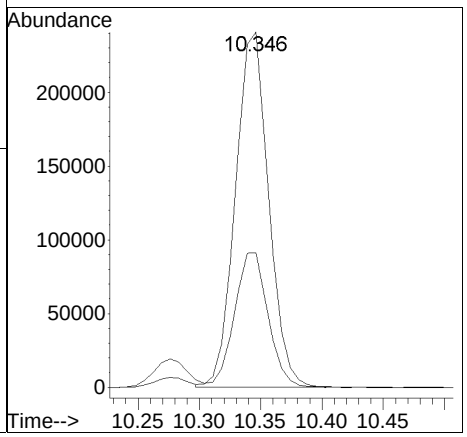


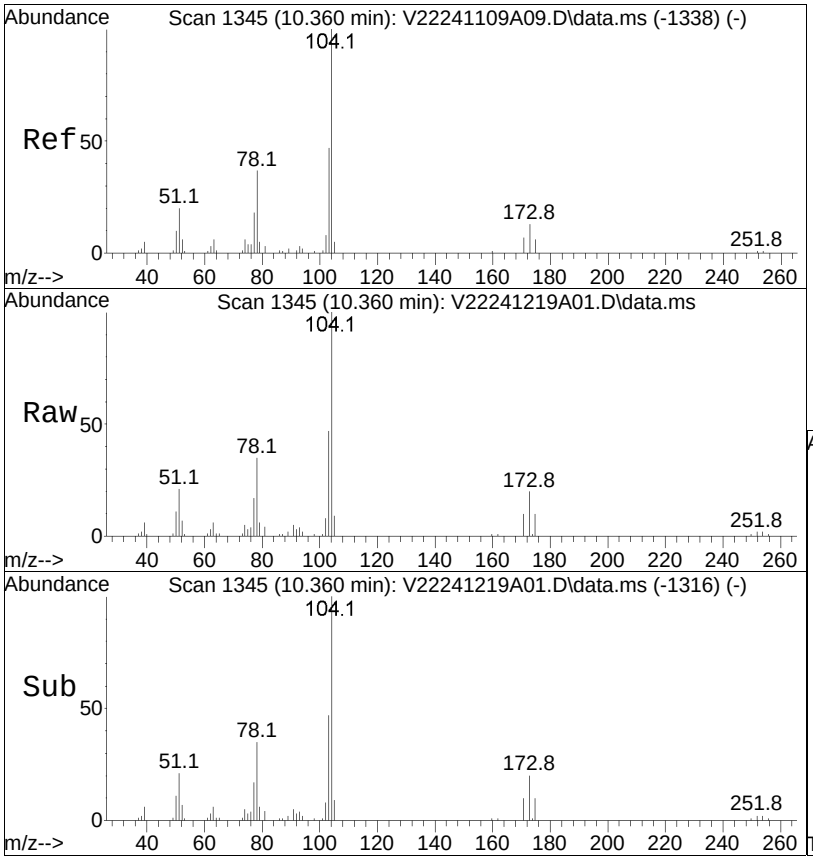


#82
Styrene
Concen: 20.54 ug/L
RT: 10.346 min Scan# 1343
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:104 Resp: 453170

Ion	Ratio	Lower	Upper
104	100		
78	38.4	32.1	48.1

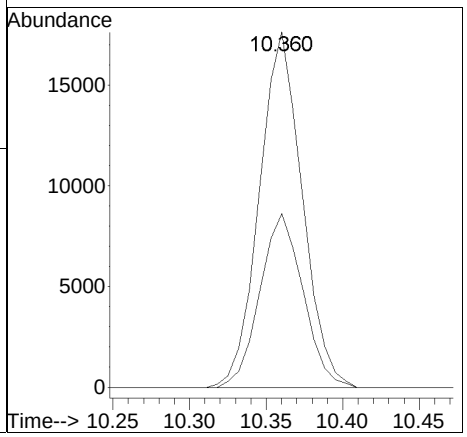


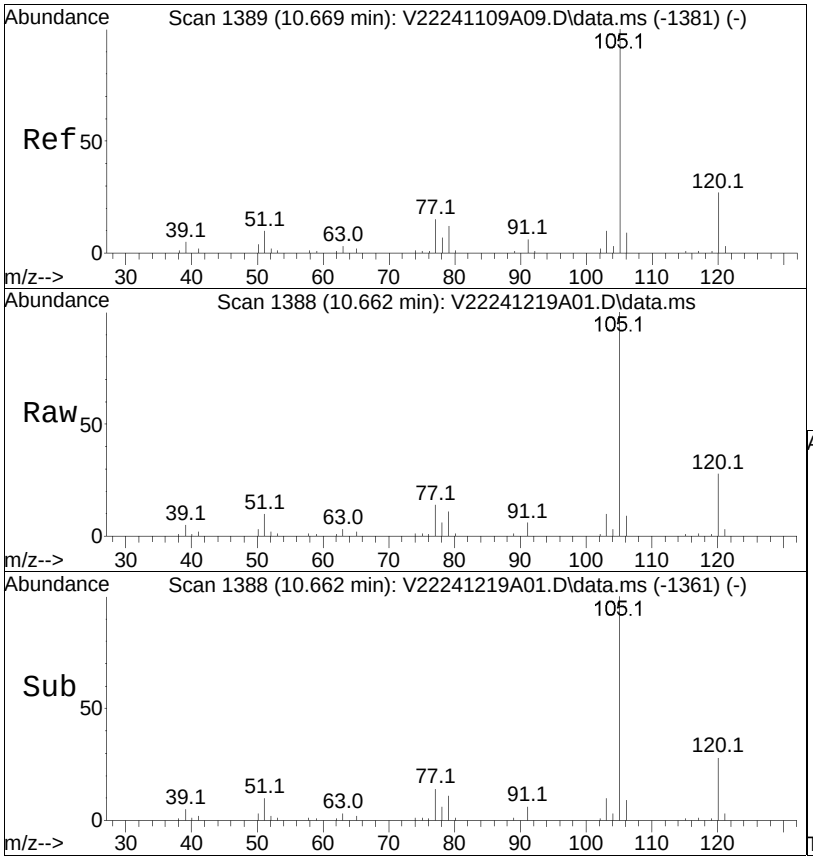


#84
Bromoform
Concen: 9.16 ug/L
RT: 10.360 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:173 Resp: 34305

Ion	Ratio	Lower	Upper
173	100		
175	49.2	29.3	69.3

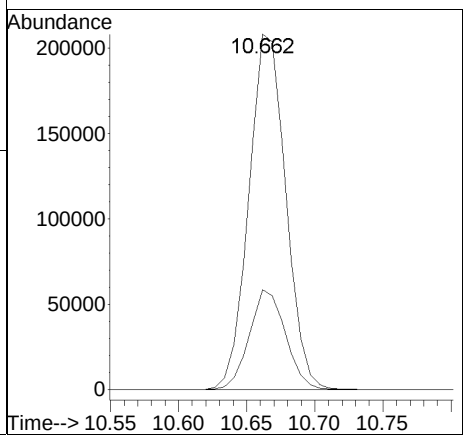


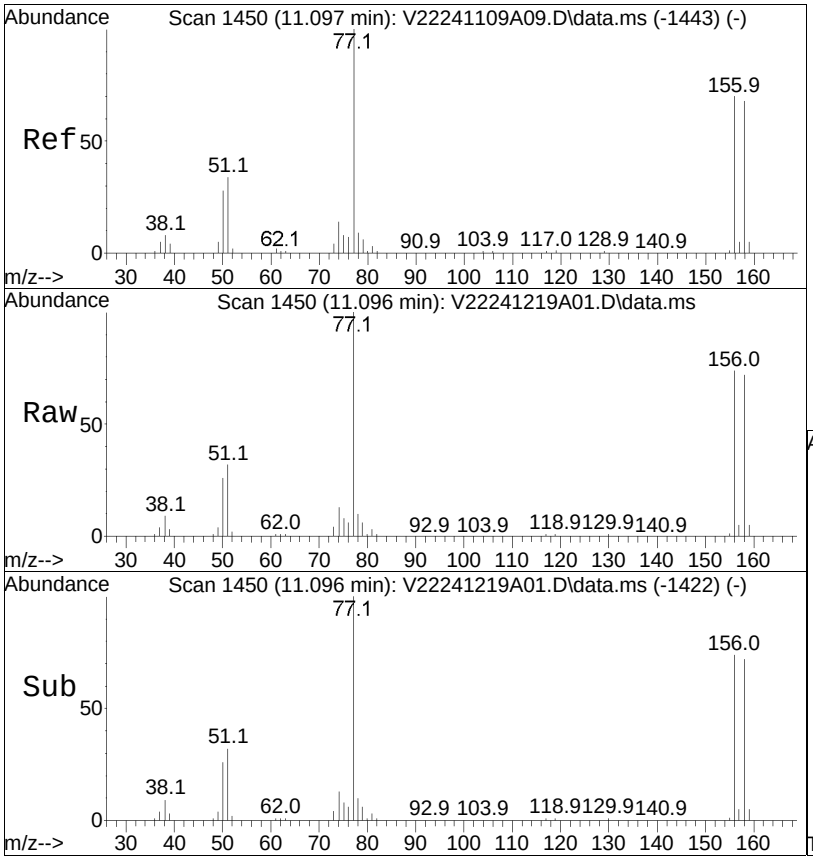


#86
Isopropylbenzene
Concen: 11.08 ug/L
RT: 10.662 min Scan# 1388
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:105 Resp: 392071

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.7	47.7

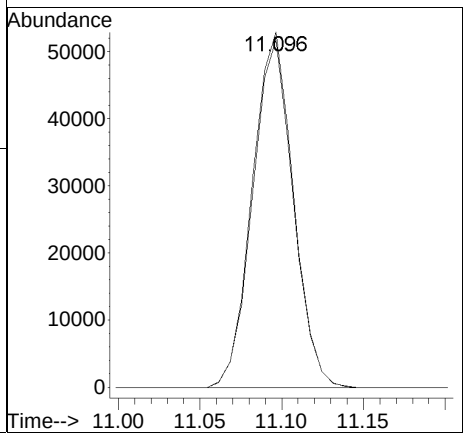


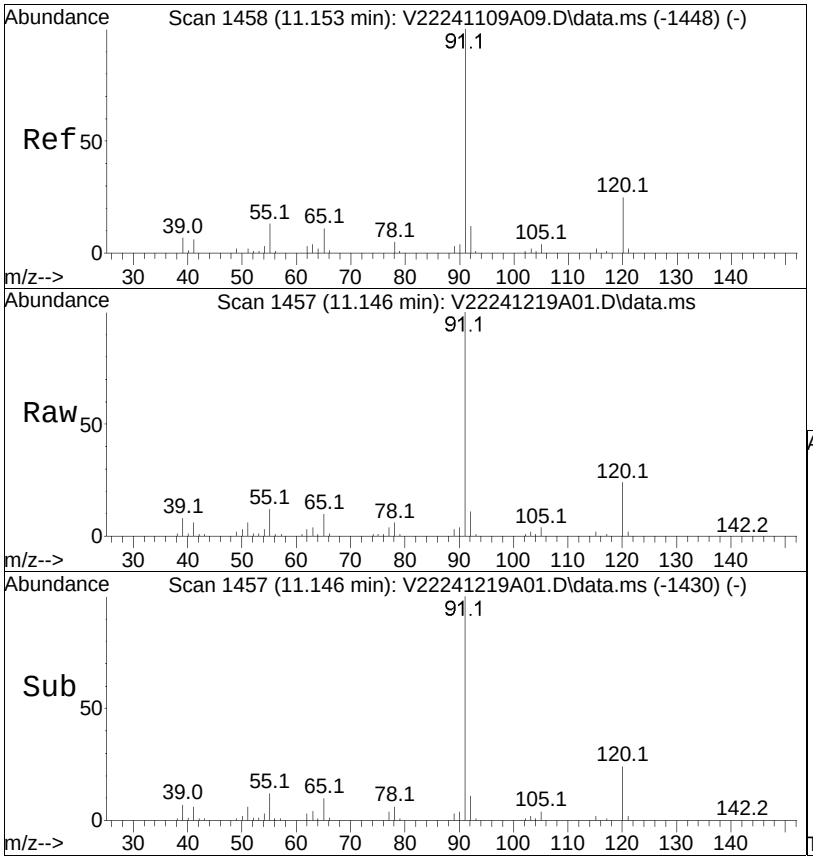


#88
Bromobenzene
Concen: 11.10 ug/L
RT: 11.096 min Scan# 1450
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:156 Resp: 92210

Ion	Ratio	Lower	Upper
156	100		
158	96.7	77.9	116.9

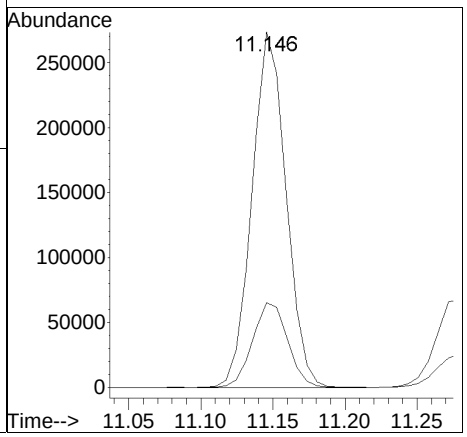


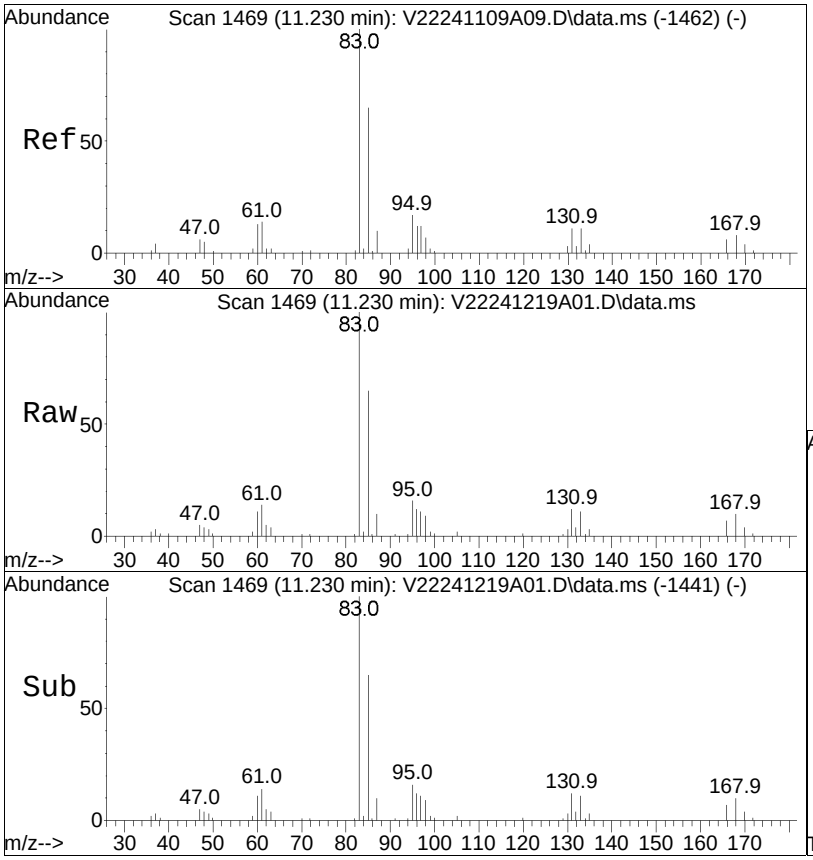


#89
n-Propylbenzene
Concen: 10.89 ug/L
RT: 11.146 min Scan# 1457
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 91 Resp: 448288

Ion	Ratio	Lower	Upper
91	100		
120	24.5	19.5	29.3

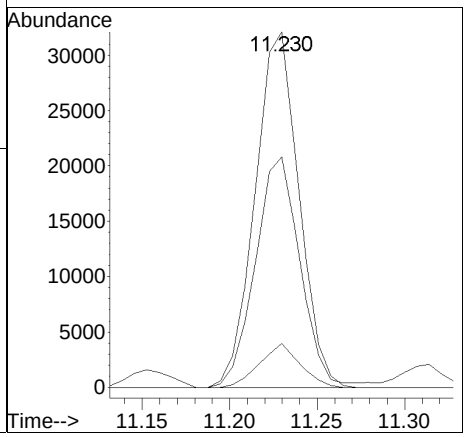


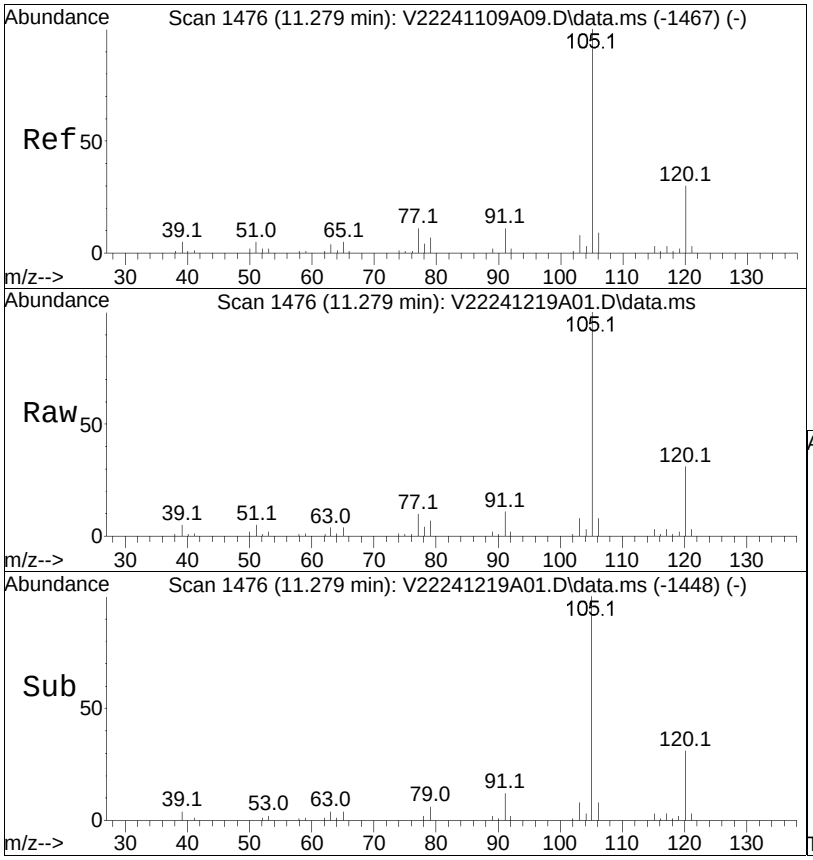


#91
1,1,2,2-Tetrachloroethane
Concen: 10.13 ug/L
RT: 11.230 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 83 Resp: 55822

Ion	Ratio	Lower	Upper
83	100		
131	11.4	0.0	30.8
85	66.0	45.4	85.4

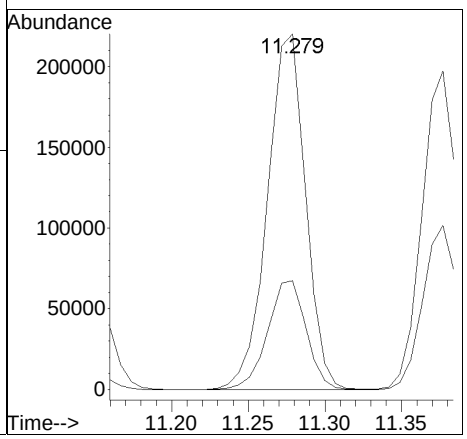


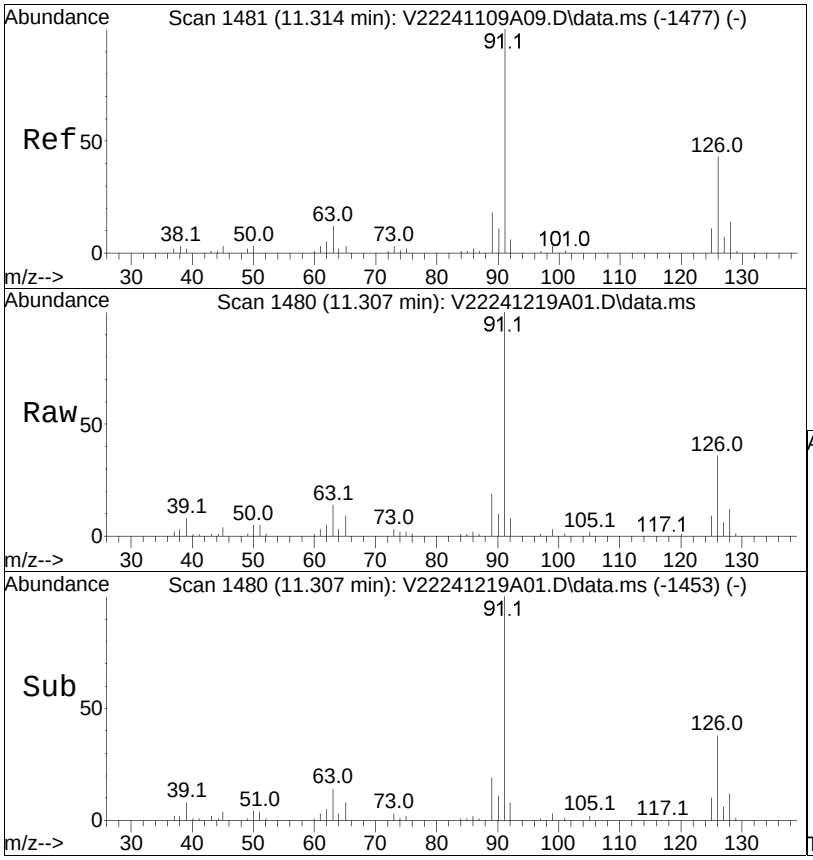


#92
4-Ethyltoluene
Concen: 11.04 ug/L
RT: 11.279 min Scan# 1476
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:105 Resp: 381383

Ion	Ratio	Lower	Upper
105	100		
120	30.8	19.8	41.0

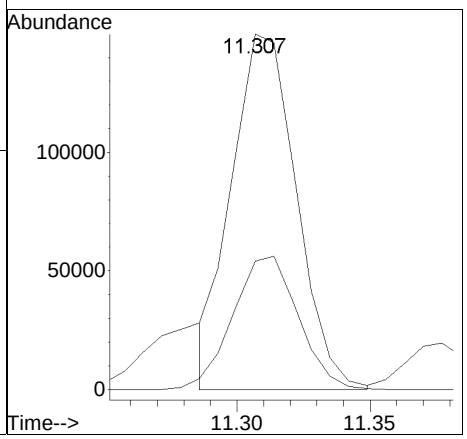


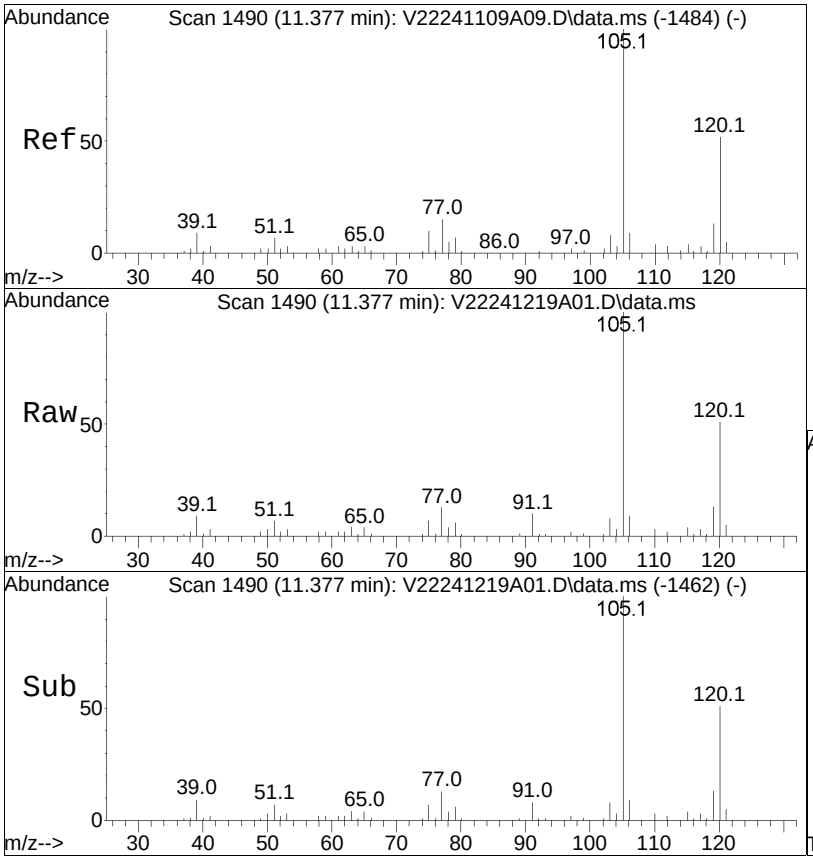


#93
2-Chlorotoluene
Concen: 10.87 ug/L M6
RT: 11.307 min Scan# 1480
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 91 Resp: 254522

Ion	Ratio	Lower	Upper
91	100		
126	37.7	24.6	37.0#

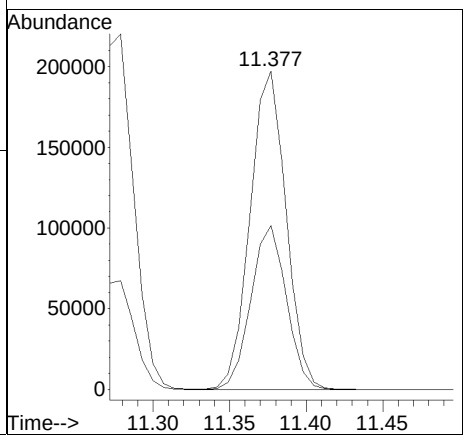


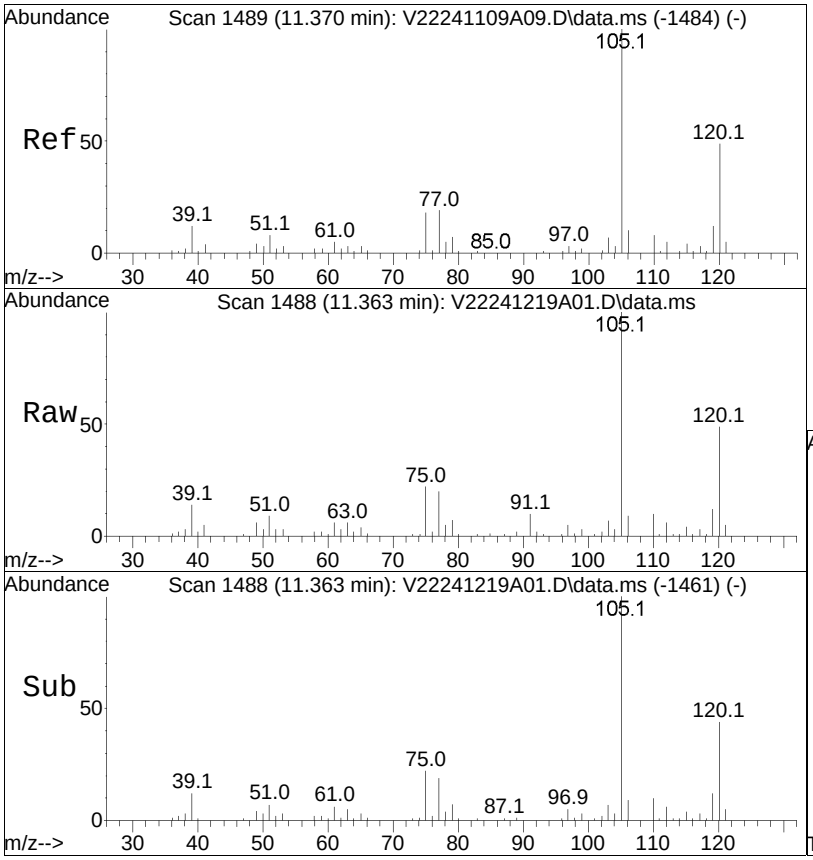


#94
1,3,5-Trimethylbenzene
Concen: 10.71 ug/L
RT: 11.377 min Scan# 1490
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:105 Resp: 322200

Ion	Ratio	Lower	Upper
105	100		
120	50.7	40.9	61.3

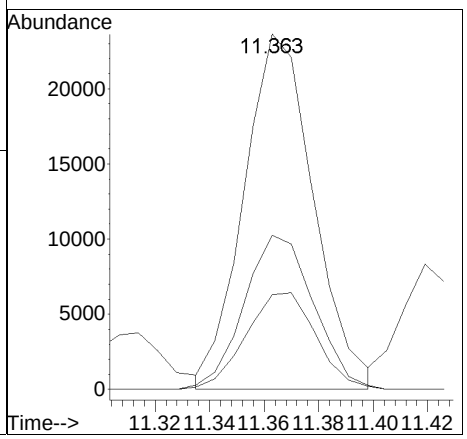


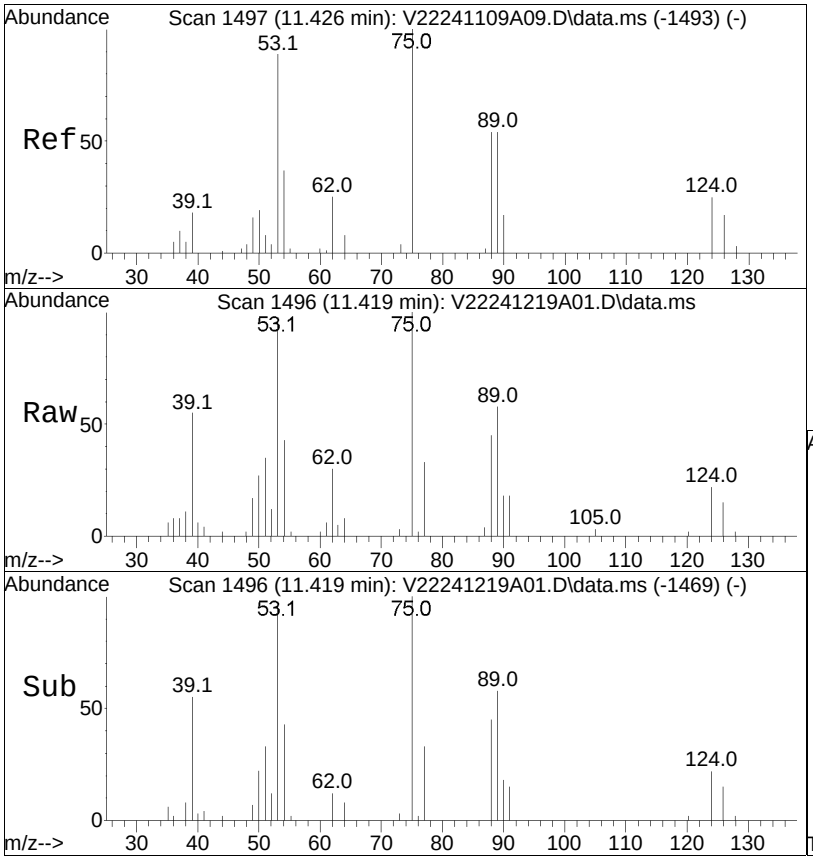


#95
1,2,3-Trichloropropane
Concen: 9.53 ug/L
RT: 11.363 min Scan# 1488
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 75 Resp: 42022

Ion	Ratio	Lower	Upper
75	100		
110	43.3	26.3	54.7
112	27.4	16.8	35.0

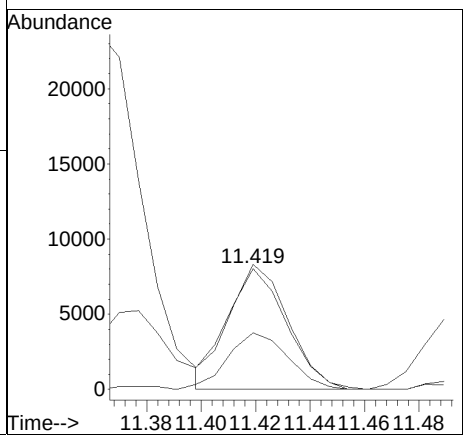


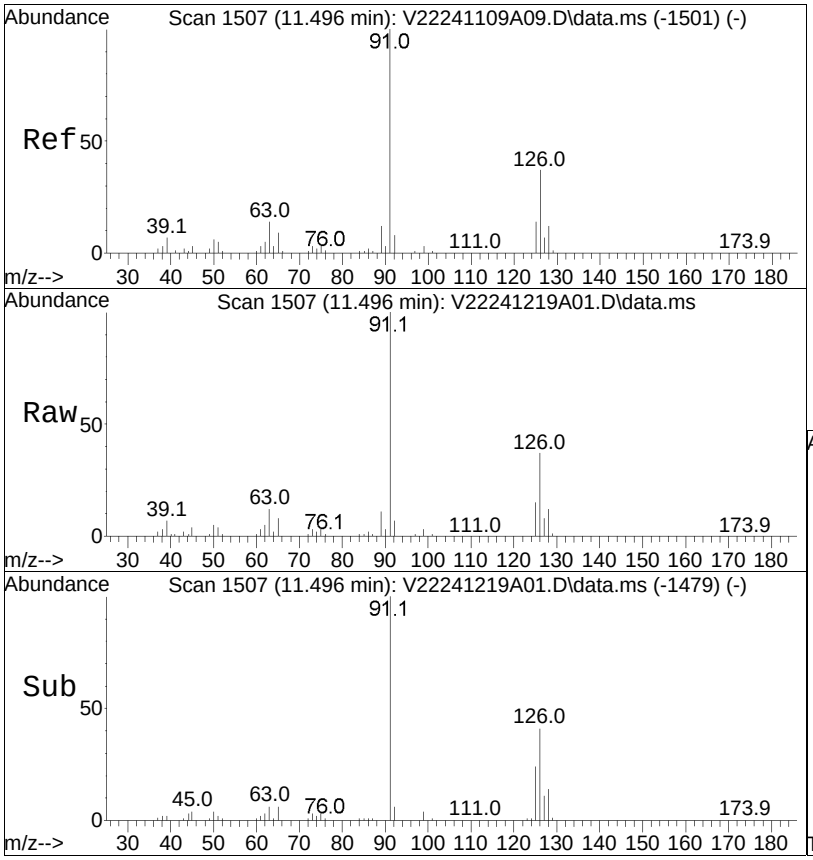


#96
trans-1,4-Dichloro-2-butene
Concen: 8.83 ug/L
RT: 11.419 min Scan# 1496
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 53 Resp: 12252

Ion	Ratio	Lower	Upper
53	100		
88	47.5	46.3	69.5
75	102.7	109.0	163.4#

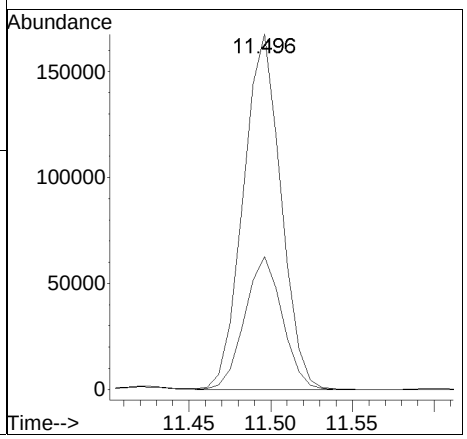


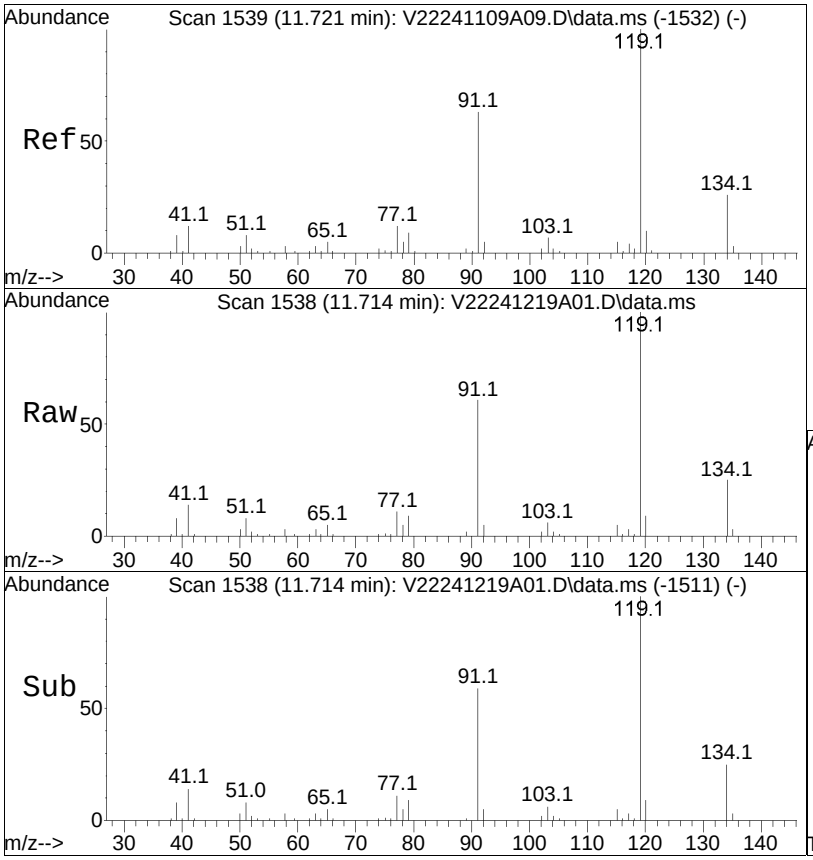


#97
4-Chlorotoluene
Concen: 11.01 ug/L
RT: 11.496 min Scan# 1507
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 91 Resp: 268645

Ion	Ratio	Lower	Upper
91	100		
126	37.2	28.5	42.7

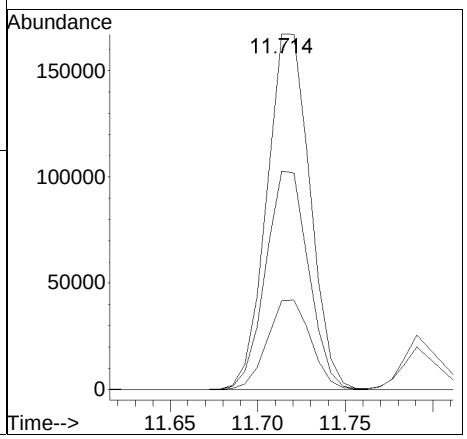


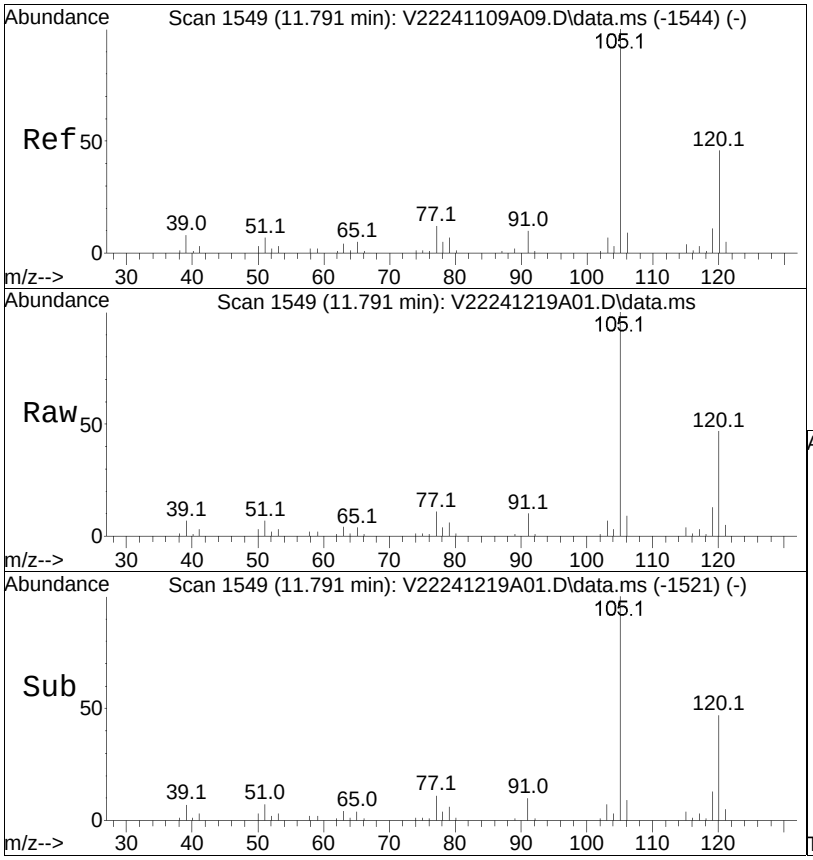


#98
tert-Butylbenzene
Concen: 11.09 ug/L
RT: 11.714 min Scan# 1538
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:119 Resp: 286964

Ion	Ratio	Lower	Upper
119	100		
91	61.2	50.2	75.4
134	25.2	20.8	31.2

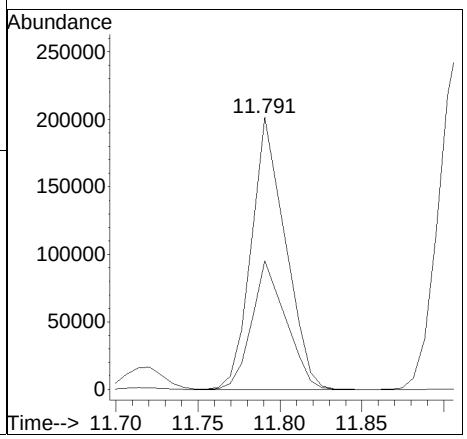


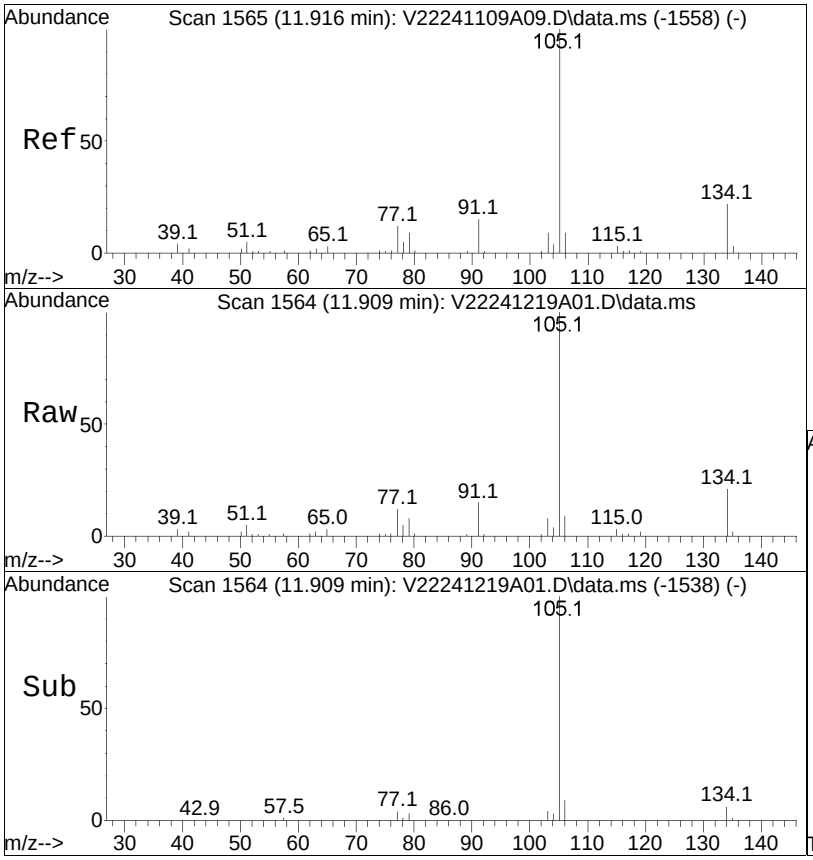


#101
1,2,4-Trimethylbenzene
Concen: 12.57 ug/L
RT: 11.791 min Scan# 1549
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:105 Resp: 214837

Ion	Ratio	Lower	Upper
105	100		
120	47.4	38.5	57.7

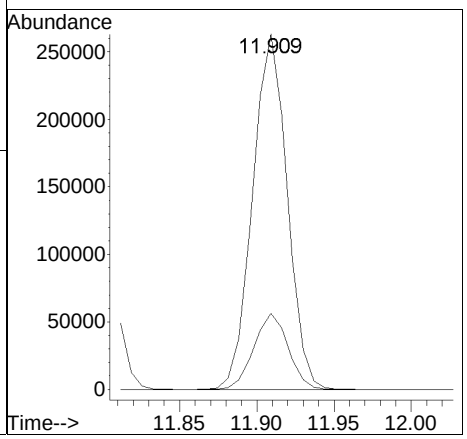


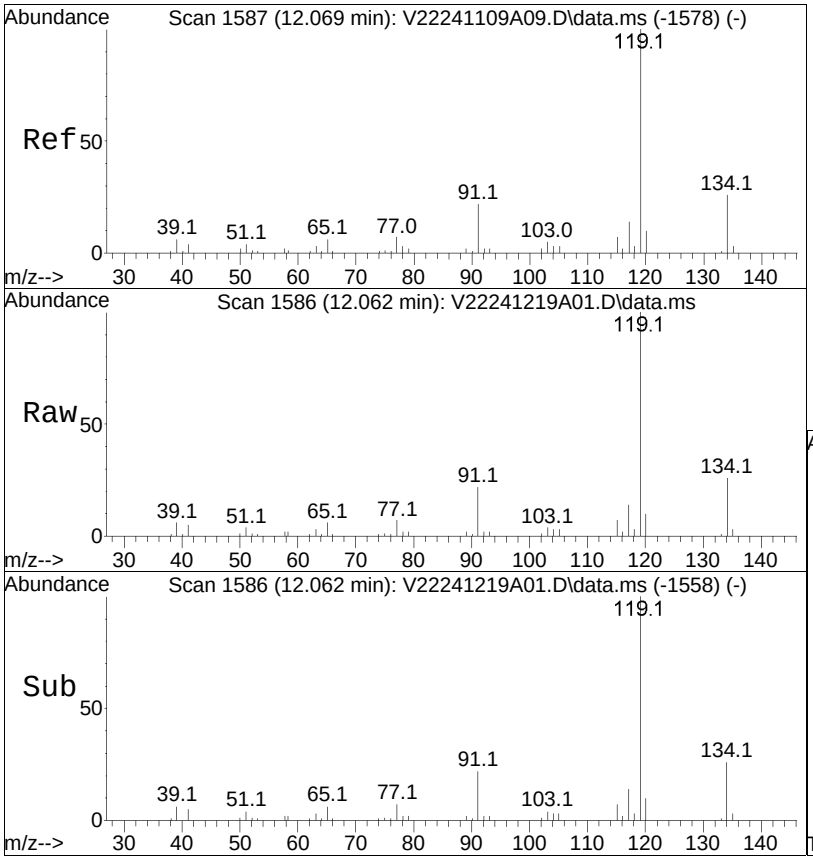


#102
sec-Butylbenzene
Concen: 11.18 ug/L
RT: 11.909 min Scan# 1564
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:105 Resp: 409244

Ion	Ratio	Lower	Upper
105	100		
134	21.2	13.9	28.9

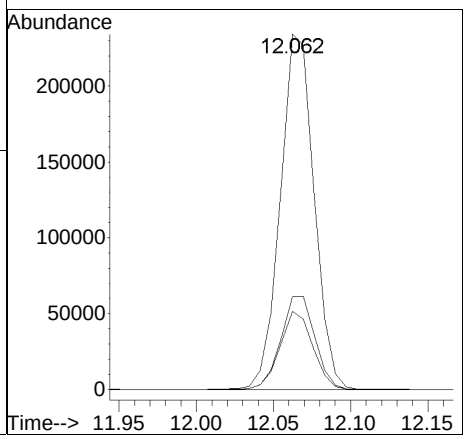


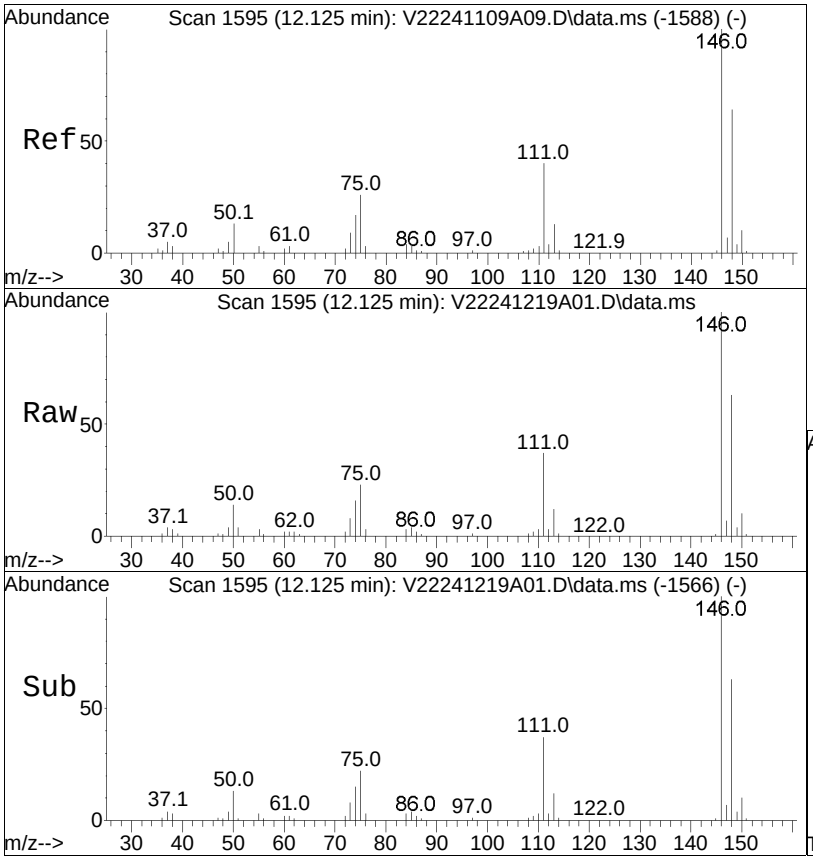


#103
p-Isopropyltoluene
Concen: 11.14 ug/L
RT: 12.062 min Scan# 1586
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:119 Resp: 356946

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.7	36.7
91	21.4	14.1	29.3

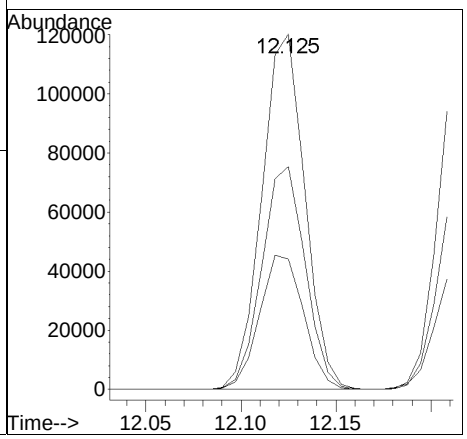


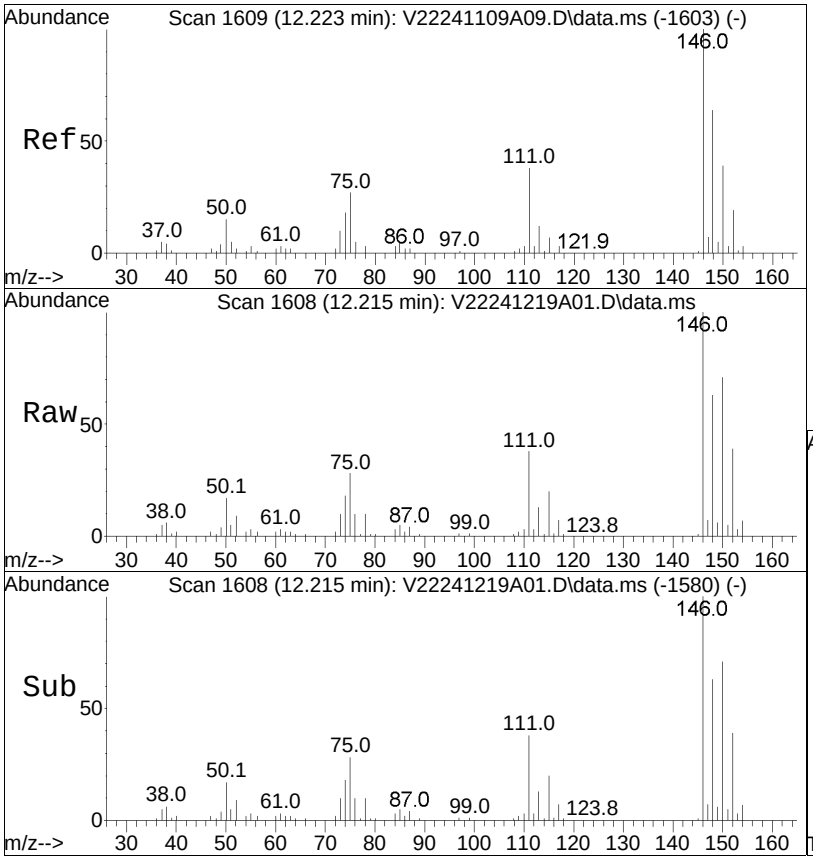


#104
1,3-Dichlorobenzene
Concen: 11.24 ug/L
RT: 12.125 min Scan# 1595
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:146 Resp: 189409

Ion	Ratio	Lower	Upper
146	100		
111	38.7	24.0	49.8
148	63.3	41.8	86.8

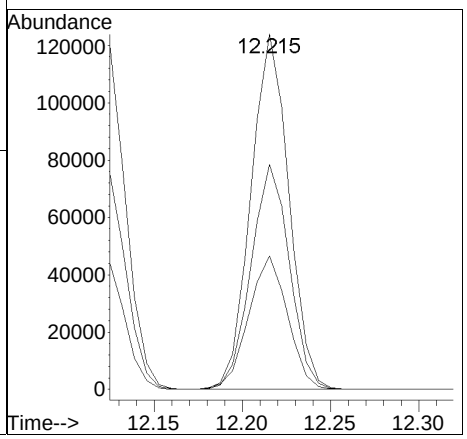


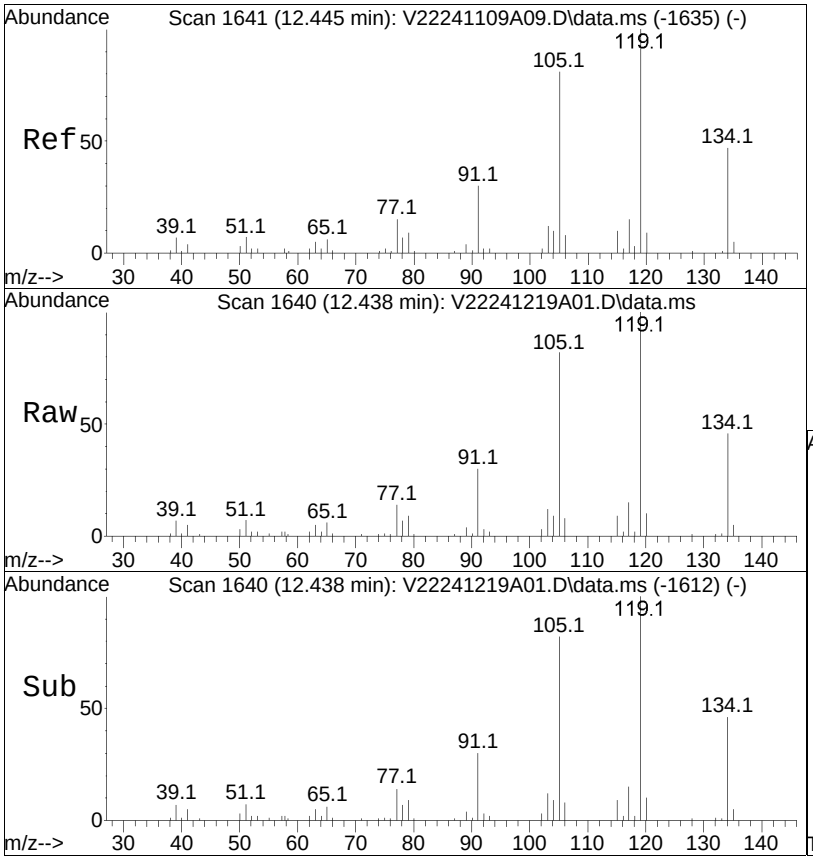


#105
1,4-Dichlorobenzene
Concen: 11.02 ug/L
RT: 12.215 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:146 Resp: 185564

Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.9	43.3
148	64.1	51.4	77.2

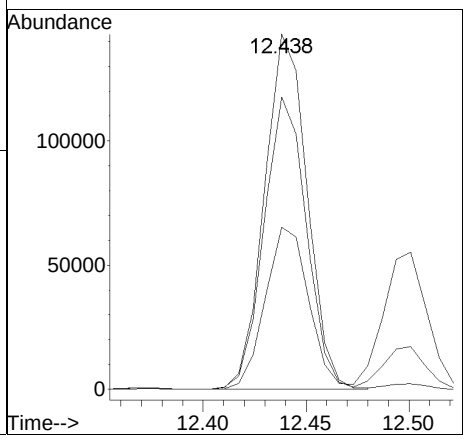


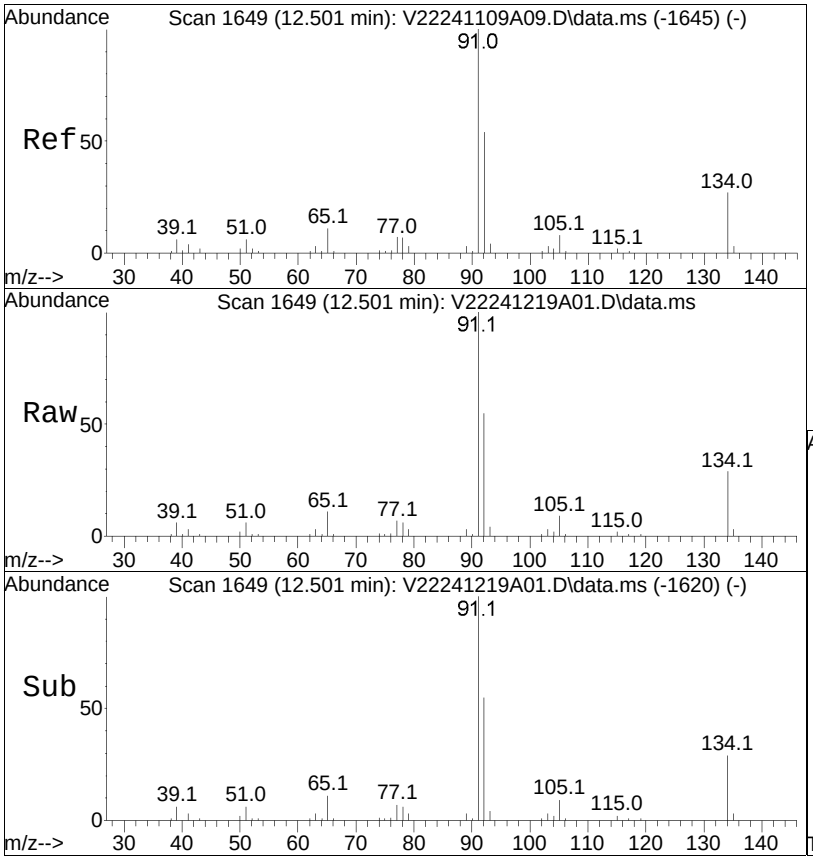


#106
p-Diethylbenzene
Concen: 11.15 ug/L
RT: 12.438 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:119 Resp: 206179

Ion	Ratio	Lower	Upper
119	100		
105	81.9	53.4	110.8
134	46.8	30.9	64.1

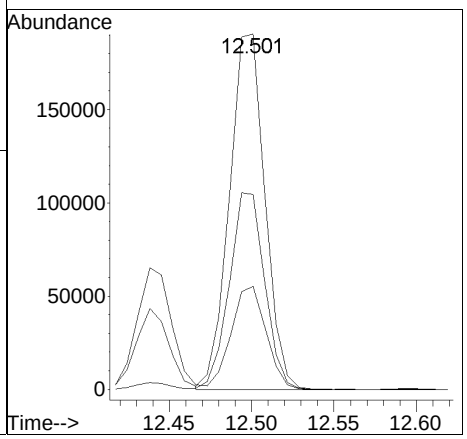


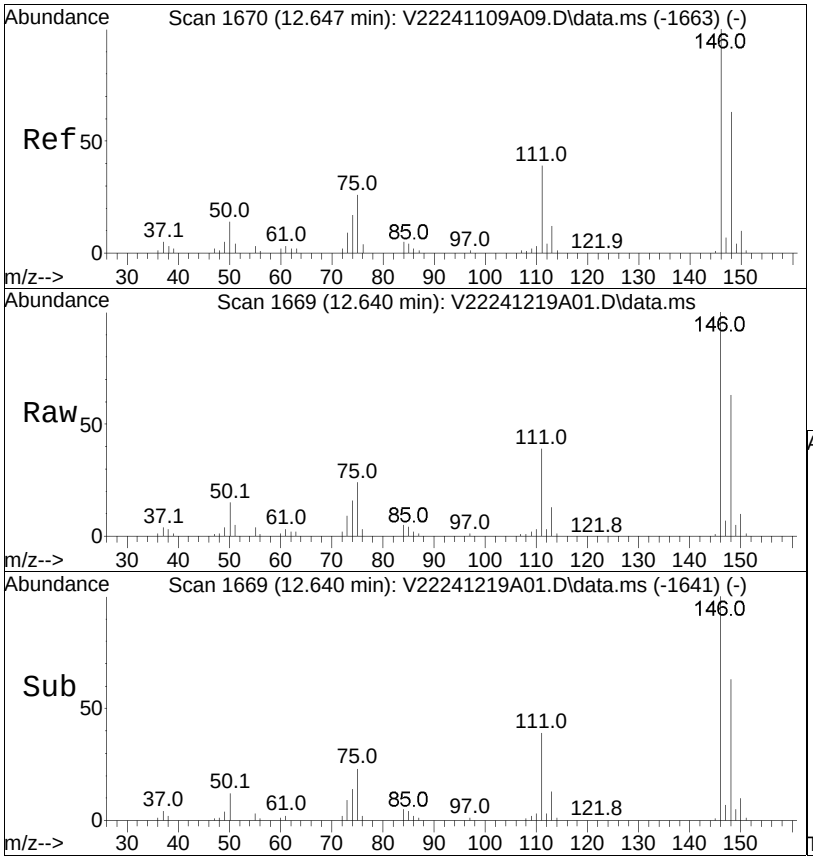


#107
n-Butylbenzene
Concen: 11.23 ug/L
RT: 12.501 min Scan# 1649
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion: 91 Resp: 286018

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.6	66.8
134	28.5	22.9	34.3

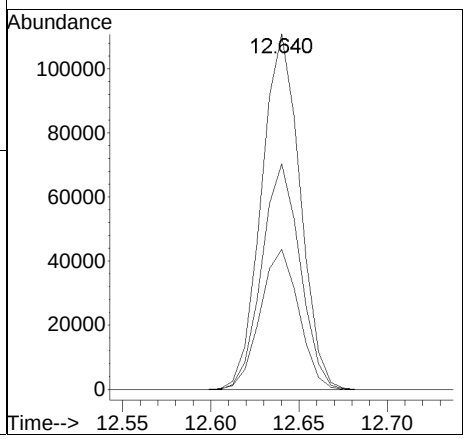


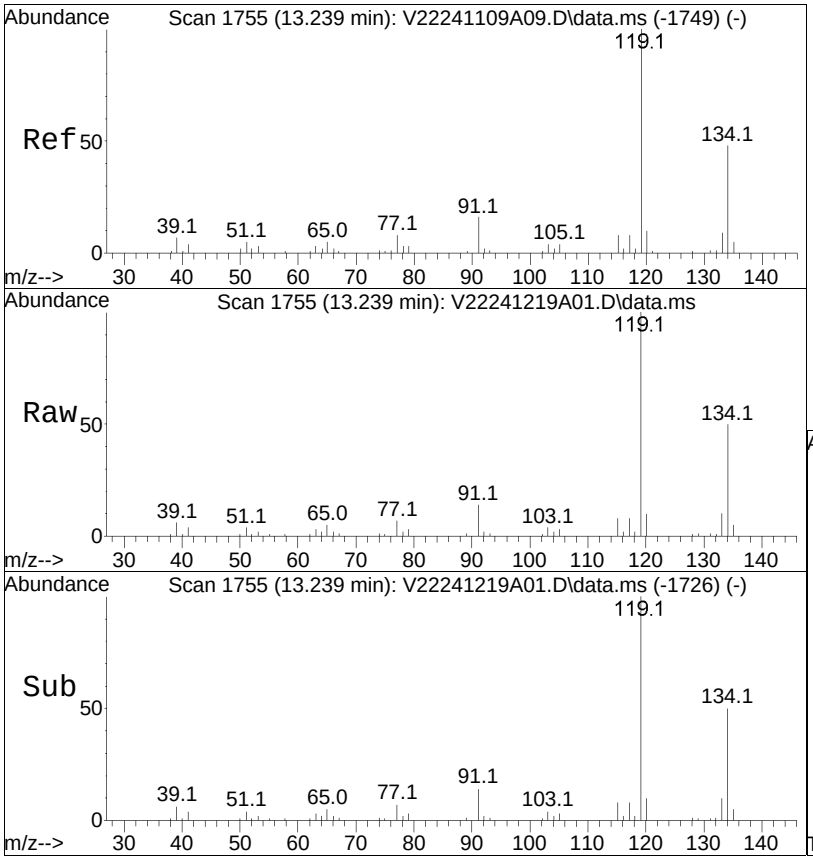


#108
1,2-Dichlorobenzene
Concen: 11.23 ug/L
RT: 12.640 min Scan# 1669
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:146 Resp: 168895

Ion	Ratio	Lower	Upper
146	100		
111	39.3	24.8	51.6
148	63.0	42.2	87.6

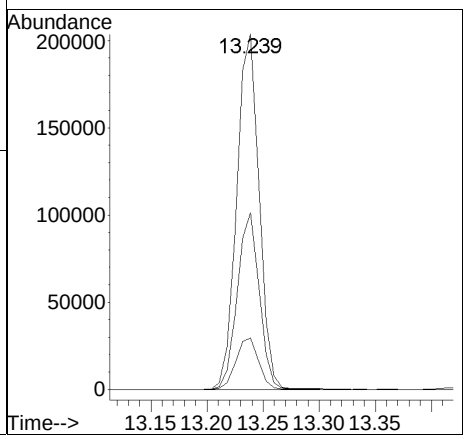


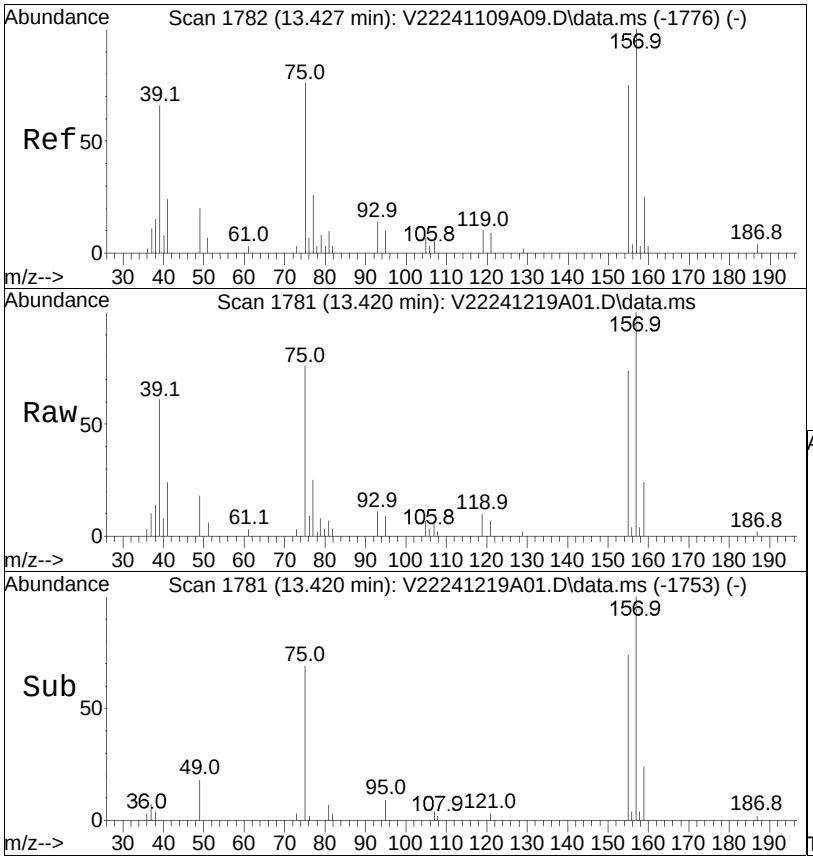


#109
1,2,4,5-Tetramethylbenzene
Concen: 11.21 ug/L
RT: 13.239 min Scan# 1755
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:119 Resp: 283425

Ion	Ratio	Lower	Upper
119	100		
134	48.7	31.9	66.1
91	14.6	9.8	20.3

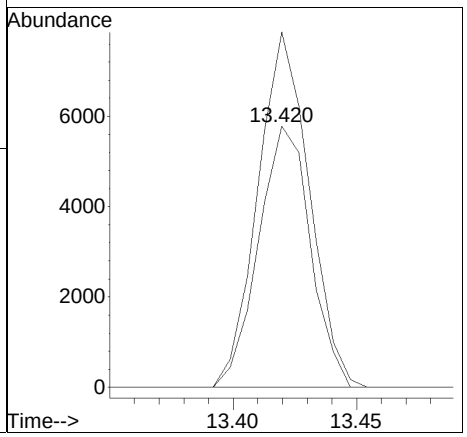


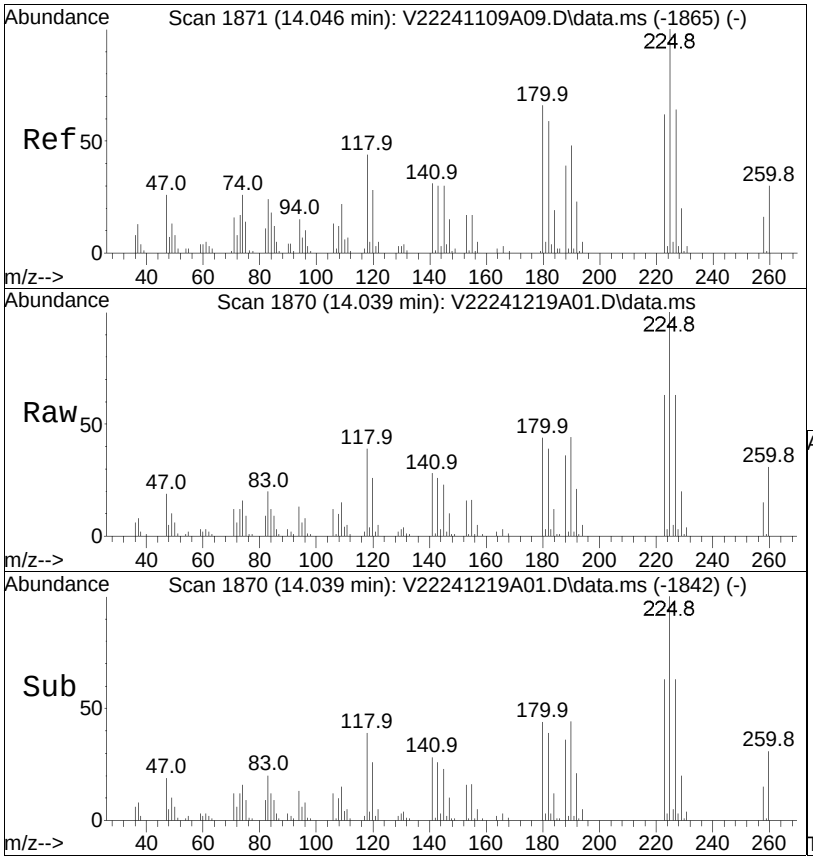


#110
1,2-Dibromo-3-chloropropane
Concen: 9.82 ug/L
RT: 13.420 min Scan# 1781
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:155 Resp: 8432

Ion	Ratio	Lower	Upper
155	100		
157	135.1	102.3	153.5

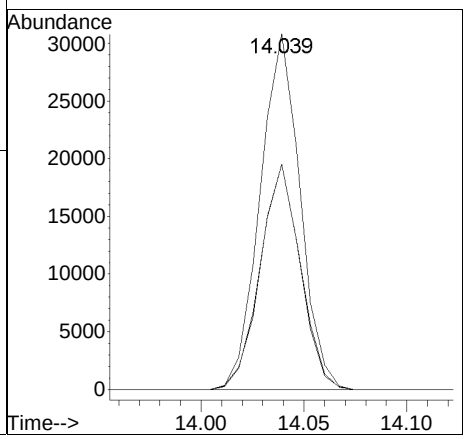


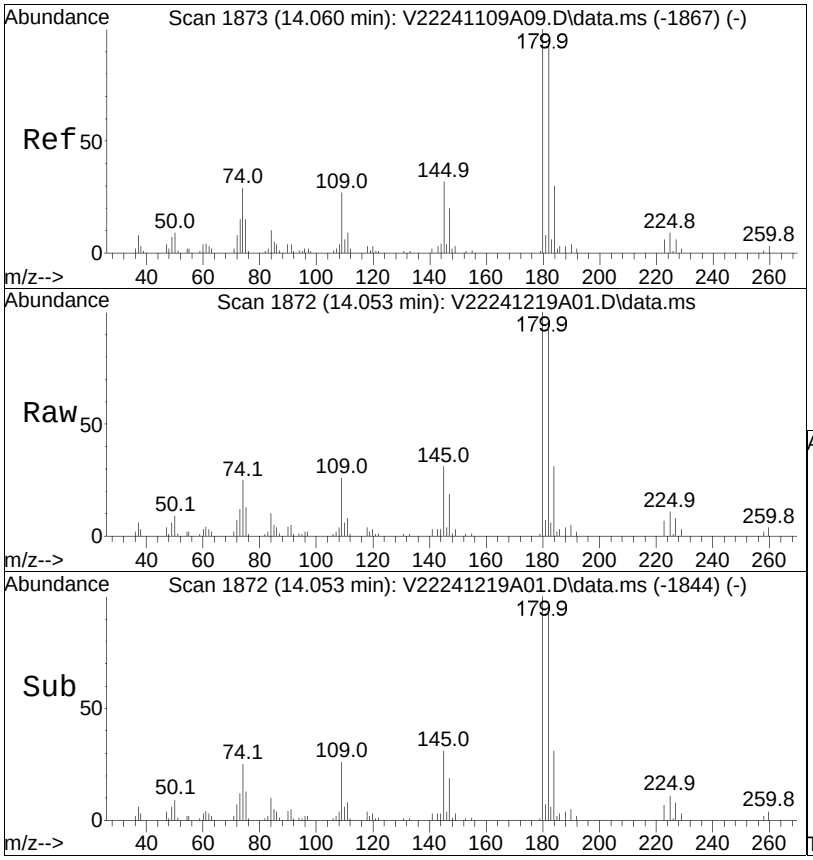


#112
Hexachlorobutadiene
Concen: 12.41 ug/L
RT: 14.039 min Scan# 1870
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:225 Resp: 41576

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.8
227	63.7	52.2	78.4

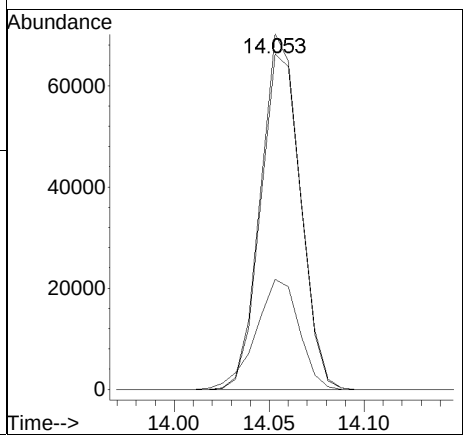


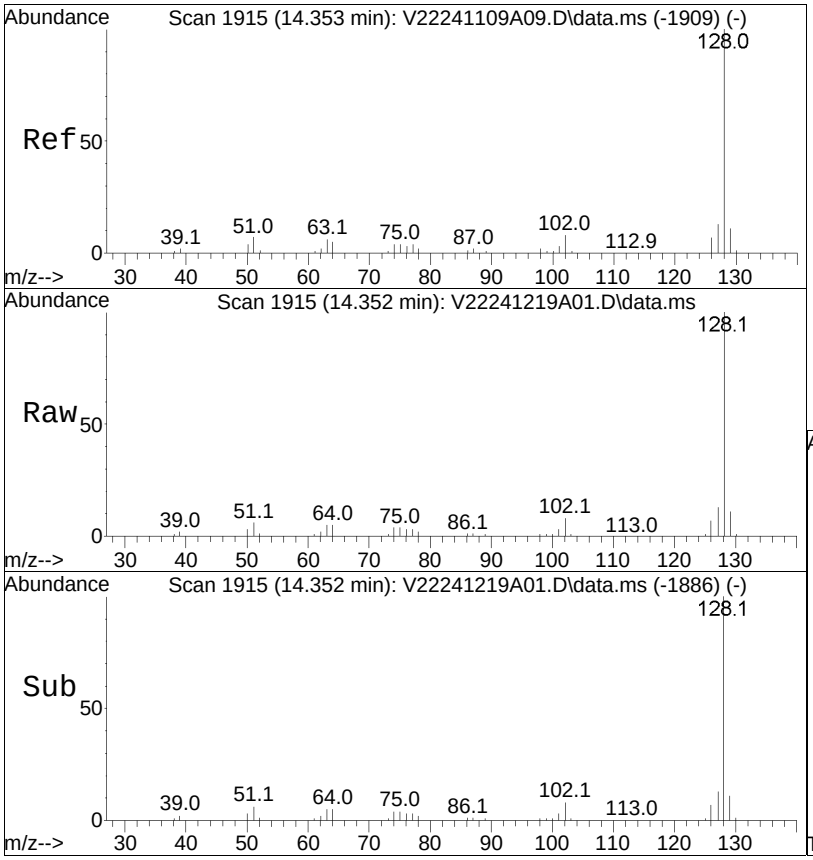


#113
1,2,4-Trichlorobenzene
Concen: 11.60 ug/L
RT: 14.053 min Scan# 1872
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:180 Resp: 101933

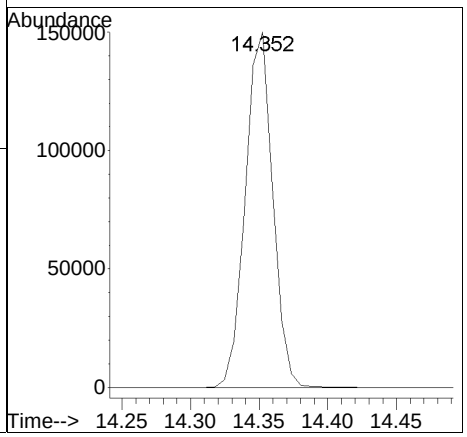
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	33.9	25.5	38.3

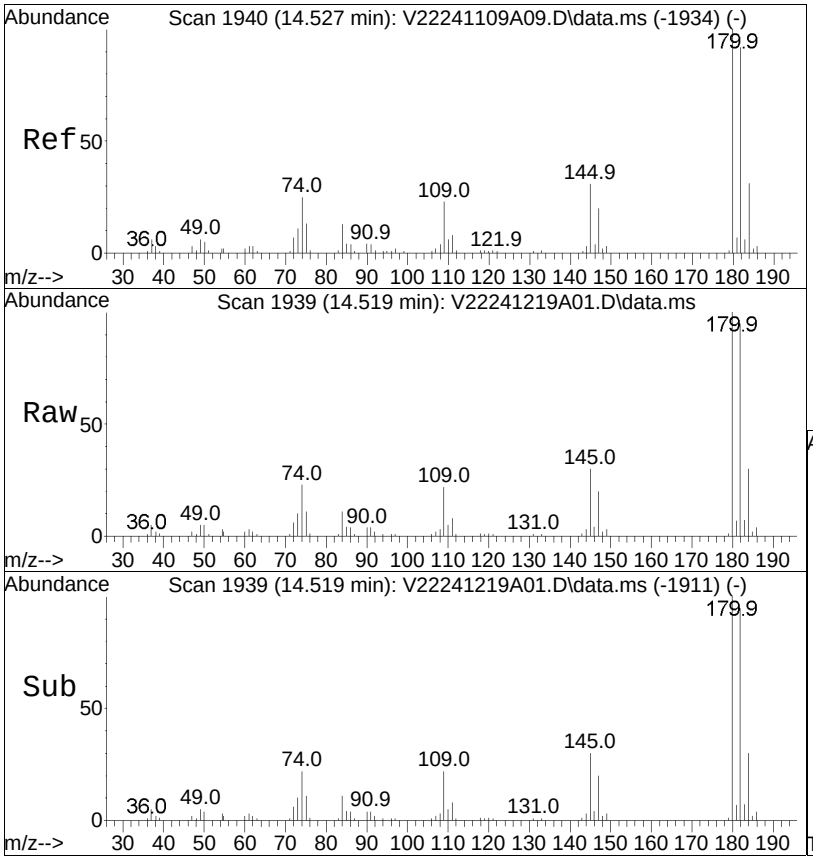




#114
Naphthalene
Concen: 10.68 ug/L
RT: 14.352 min Scan# 1915
Delta R.T. -0.000 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:128 Resp: 208654

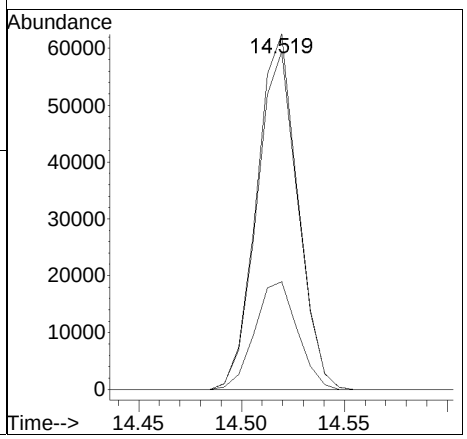




#115
1,2,3-Trichlorobenzene
Concen: 11.63 ug/L
RT: 14.519 min Scan# 1939
Delta R.T. -0.007 min
Lab File: V22241219A01.D
Acq: 19 Dec 2024 07:38 am

Tgt Ion:180 Resp: 86704

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.0	114.0
145	31.5	23.8	35.8

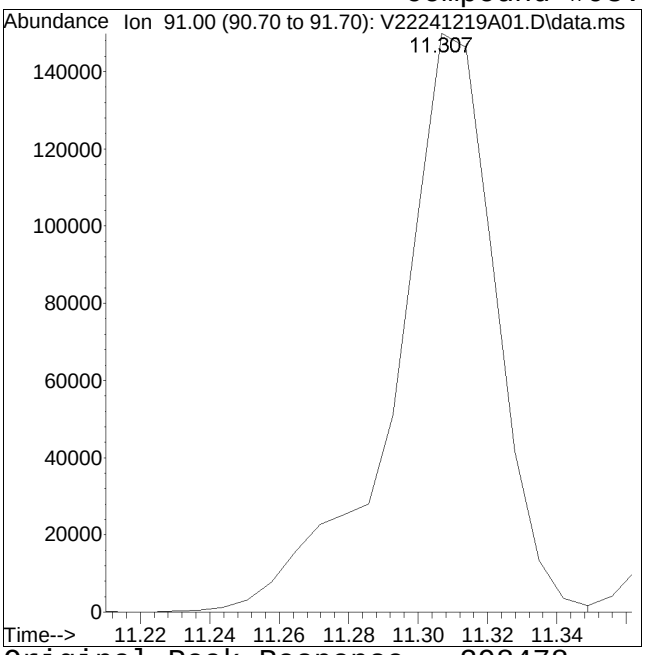


Manual Integration Report

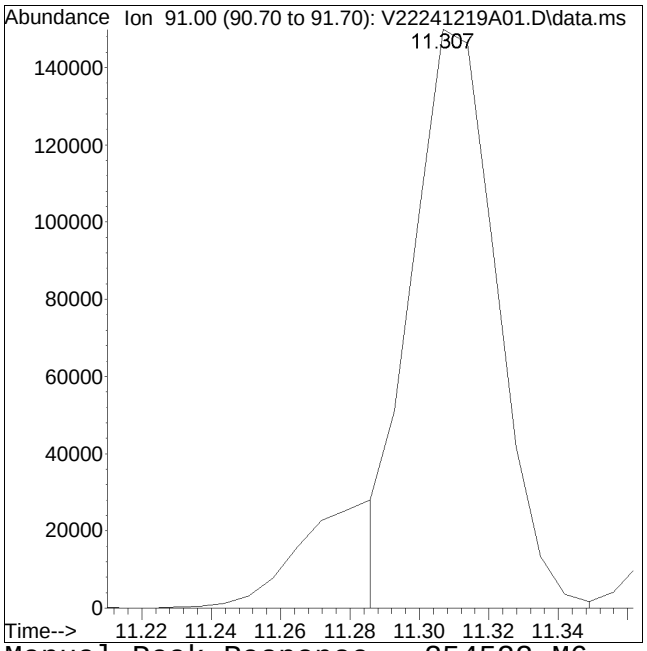
Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A01.D
Date Inj'd : 12/19/2024 7:38 am
Sample : WG2011630-3,31,10,10

QMethod : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/19/2024 8:04 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 298478



Manual Peak Response = 254522 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-3,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	358970	10.000	ug/L	0.00
Standard Area 1 = 358970			Recovery = 100.00%			
62) Chlorobenzene-d5	9.484	117	300527	10.000	ug/L	0.00
Standard Area 1 = 300527			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.202	152	166973	10.000	ug/L	0.00
Standard Area 1 = 166973			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	128559	10.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.93%			
46) 1,2-Dichloroethane-d4	5.649	65	74882	9.891	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.91%			
63) Toluene-d8	7.640	98	371688	9.810	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.10%			
87) 4-Bromofluorobenzene	10.984	95	131251	9.629	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.618	85	63757	8.601	ug/L	97
3) Chloromethane	1.802	50	71038	11.197	ug/L	98
4) Vinyl chloride	1.874	62	68958	8.150	ug/L	98
5) Bromomethane	2.176	94	20407	3.338	ug/L	99
6) Chloroethane	2.294	64	39352	6.787	ug/L	100
7) Trichlorofluoromethane	2.431	101	103469	10.686	ug/L	99
8) Ethyl ether	2.726	74	20012	9.390	ug/L #	1
10) 1,1-Dichloroethene	2.916	96	56699	11.099	ug/L	95
11) Carbon disulfide	2.949	76	172865	11.132	ug/L	100
15) Methylene chloride	3.454	84	65307	10.879	ug/L	79
17) Acetone	3.493	43	9217	10.663	ug/L	90
18) trans-1,2-Dichloroethene	3.611	96	62751	11.190	ug/L	97
21) Methyl tert-butyl ether	3.703	73	85318	8.674	ug/L #	84
25) 1,1-Dichloroethane	4.181	63	107674	10.605	ug/L	98
27) Acrylonitrile	4.220	53	11258	10.913	ug/L	93
29) Vinyl acetate	4.417	43	82284	9.354	ug/L #	91
30) cis-1,2-Dichloroethene	4.699	96	68826	11.090	ug/L	96
31) 2,2-Dichloropropane	4.804	77	80509	10.730	ug/L #	79
32) Bromochloromethane	4.889	128	34488	11.056	ug/L	89
34) Chloroform	4.961	83	105027	10.345	ug/L	96

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-3,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.099	117	91461	11.138	ug/L		100
39) 1,1,1-Trichloroethane	5.164	97	98683	10.662	ug/L		99
41) 2-Butanone	5.249	43	14988	12.206	ug/L	#	43
42) 1,1-Dichloropropene	5.282	75	72555	9.696	ug/L		97
44) Benzene	5.531	78	214253	9.701	ug/L		94
47) 1,2-Dichloroethane	5.728	62	53946	10.055	ug/L		95
51) Trichloroethene	6.121	95	49219	9.576	ug/L		97
53) Dibromomethane	6.556	93	28520	10.423	ug/L		87
54) 1,2-Dichloropropane	6.660	63	42578	9.591	ug/L		99
57) Bromodichloromethane	6.737	83	59897	9.715	ug/L		97
60) 1,4-Dioxane	6.945	88	10781	504.351	ug/L	#	73
61) cis-1,3-Dichloropropene	7.425	75	58181	9.063	ug/L	#	87
64) Toluene	7.696	92	128125	10.278	ug/L		99
65) 4-Methyl-2-pentanone	8.134	58	6037	7.039	ug/L	#	59
66) Tetrachloroethene	8.141	166	61608	10.784	ug/L		95
68) trans-1,3-Dichloropropene	8.175	75	49211	8.646	ug/L		88
71) 1,1,2-Trichloroethane	8.363	83	26379	9.069	ug/L		99
72) Chlorodibromomethane	8.572	129	42977	8.973	ug/L		99
73) 1,3-Dichloropropane	8.684	76	54110	9.026	ug/L		100
74) 1,2-Dibromoethane	8.846	107	33419	9.340	ug/L		100
76) 2-Hexanone	9.140	43	11764	8.435	ug/L	#	81
77) Chlorobenzene	9.505	112	153576	10.667	ug/L	#	86
78) Ethylbenzene	9.547	91	255596	10.311	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.589	131	47298	9.701	ug/L		97
80) p/m Xylene	9.736	106	201509	19.705	ug/L		98
81) o Xylene	10.276	106	189611	19.450	ug/L		98
82) Styrene	10.339	104	303751	19.380	ug/L		96
84) Bromoform	10.360	173	22873	8.402	ug/L		98
86) Isopropylbenzene	10.669	105	268232	10.383	ug/L		100
88) Bromobenzene	11.097	156	63132	10.414	ug/L		100
89) n-Propylbenzene	11.146	91	306855	10.215	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.223	83	36896	9.174	ug/L		99
92) 4-Ethyltoluene	11.272	105	261696	10.377	ug/L		99
93) 2-Chlorotoluene	11.307	91	170809M6	9.994	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	218637	9.961	ug/L		99
95) 1,2,3-Trichloropropane	11.363	75	28048	8.713	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.419	53	8717	8.611	ug/L	#	72
97) 4-Chlorotoluene	11.496	91	179547	10.084	ug/L		95
98) tert-Butylbenzene	11.721	119	198936	10.537	ug/L		97

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-3,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.791	105	146505	11.749	ug/L	99
102) sec-Butylbenzene	11.909	105	287780	10.772	ug/L	100
103) p-Isopropyltoluene	12.062	119	247754	10.597	ug/L	99
104) 1,3-Dichlorobenzene	12.125	146	131900	10.725	ug/L	99
105) 1,4-Dichlorobenzene	12.216	146	129128	10.508	ug/L	99
106) p-Diethylbenzene	12.438	119	141239	10.466	ug/L	99
107) n-Butylbenzene	12.494	91	199869	10.752	ug/L	98
108) 1,2-Dichlorobenzene	12.640	146	116176	10.588	ug/L	99
109) 1,2,4,5-Tetramethylben...	13.239	119	183488	9.943	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.420	155	5613	8.957	ug/L	97
112) Hexachlorobutadiene	14.039	225	30061	12.300	ug/L	97
113) 1,2,4-Trichlorobenzene	14.053	180	67286	10.495	ug/L	99
114) Naphthalene	14.353	128	138085	9.685	ug/L	100
115) 1,2,3-Trichlorobenzene	14.520	180	57791	10.618	ug/L	97

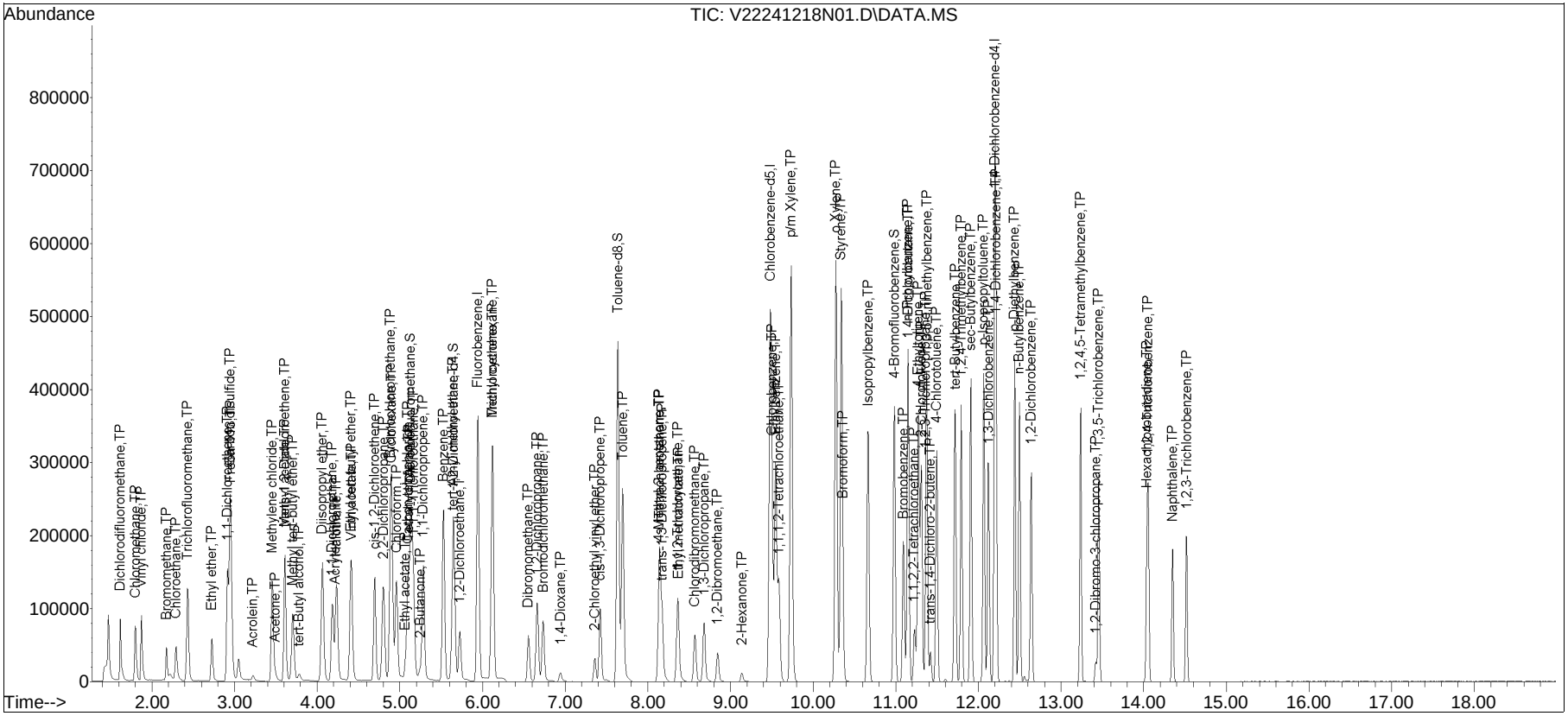
(#) = qualifier out of range (m) = manual integration (+) = signals summed

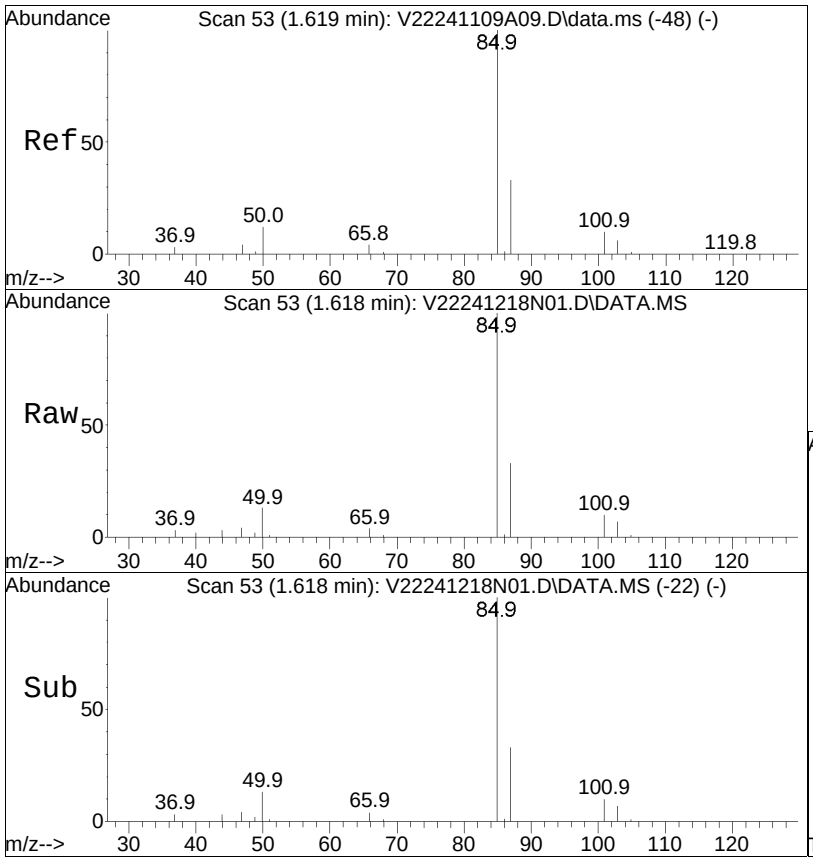
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Acq On : 18 Dec 2024 07:16 pm
Operator : VOA122:LAC
Sample : WG2011243-3,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 19:49:35 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

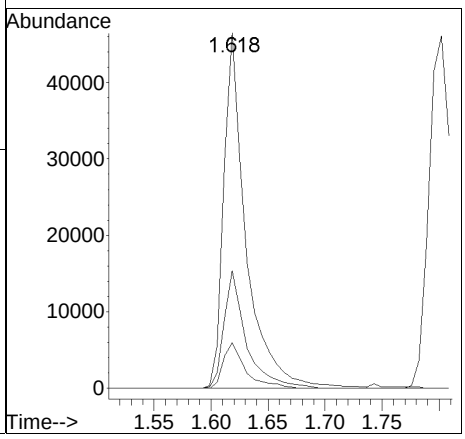


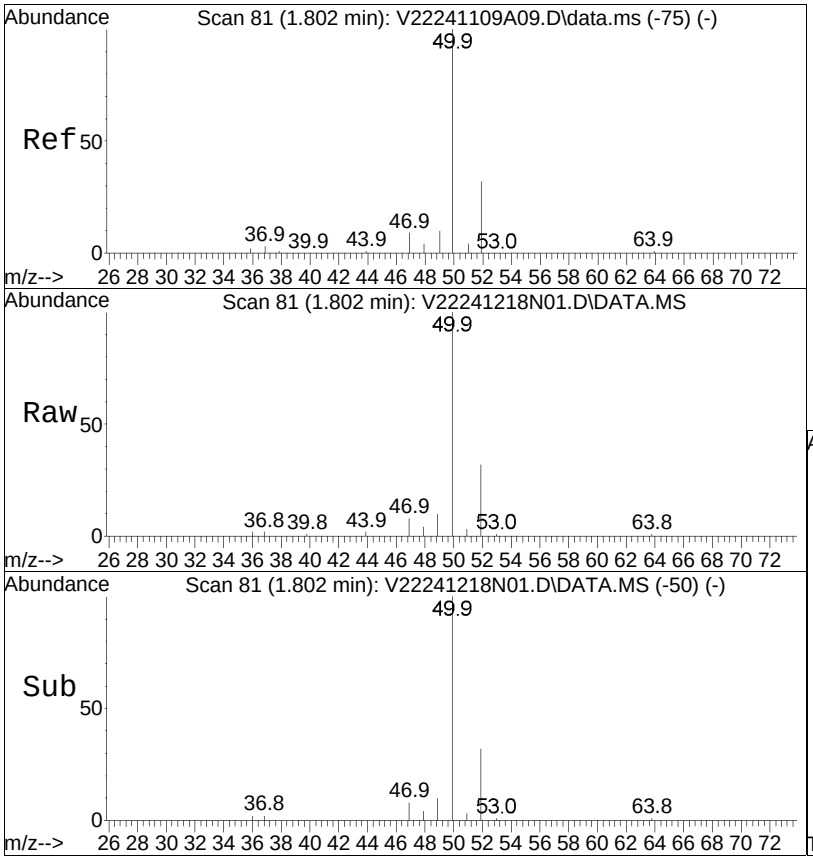


#2
Dichlorodifluoromethane
Concen: 8.60 ug/L
RT: 1.618 min Scan# 53
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 85 Resp: 63757

Ion	Ratio	Lower	Upper
85	100		
87	32.8	20.7	42.9
50	12.8	6.8	14.2

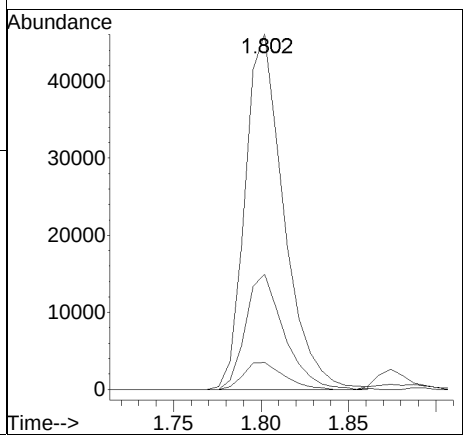


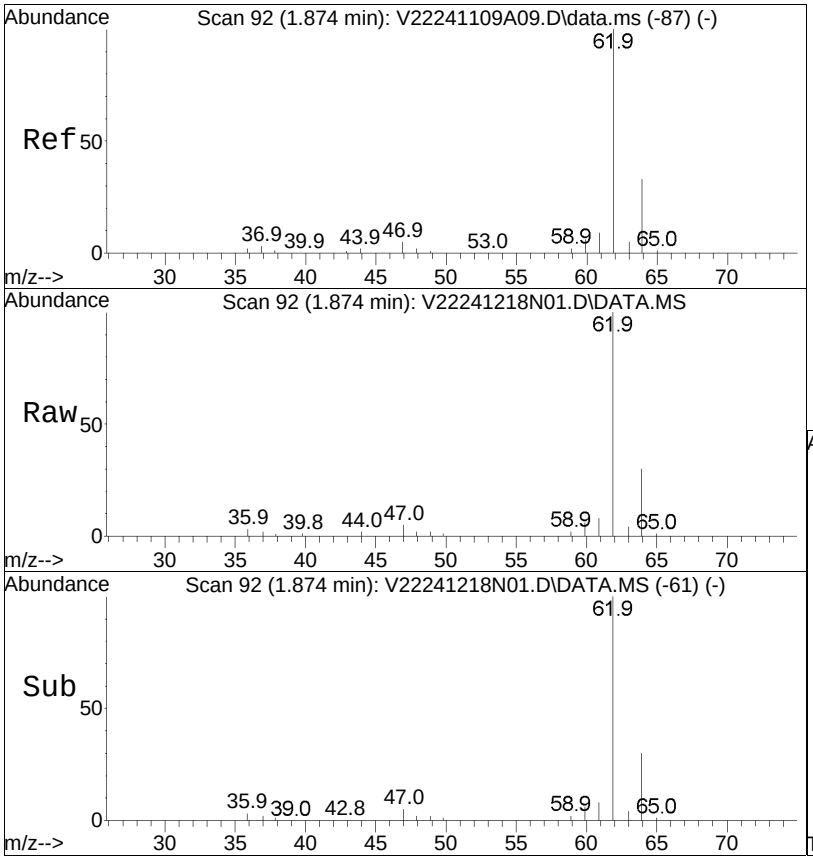


#3
Chloromethane
Concen: 11.20 ug/L
RT: 1.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 50 Resp: 71038

Ion	Ratio	Lower	Upper
50	100		
52	32.3	12.8	52.8
47	7.9	0.0	30.0

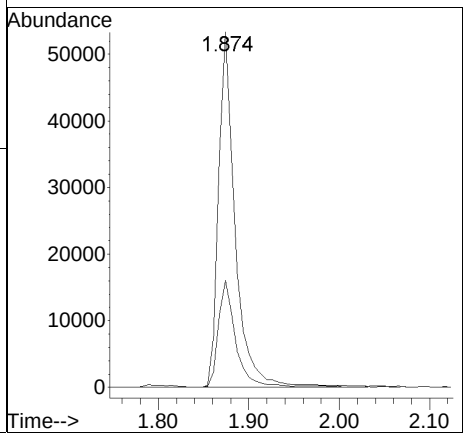


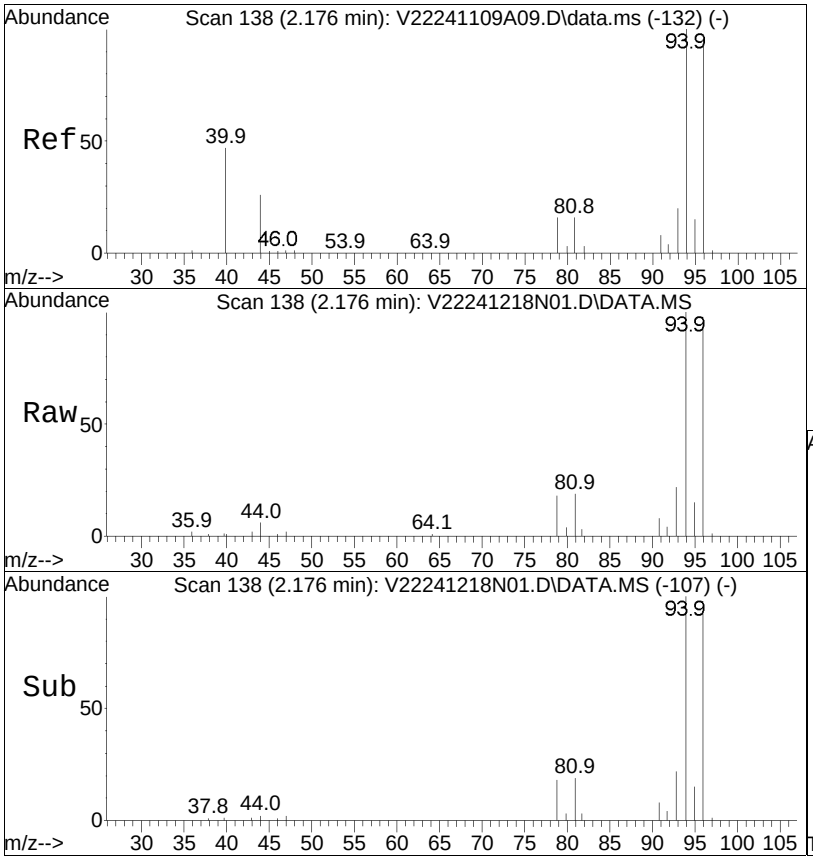


#4
Vinyl chloride
Concen: 8.15 ug/L
RT: 1.874 min Scan# 92
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 62 Resp: 68958

Ion	Ratio	Lower	Upper
62	100		
64	30.9	12.0	52.0

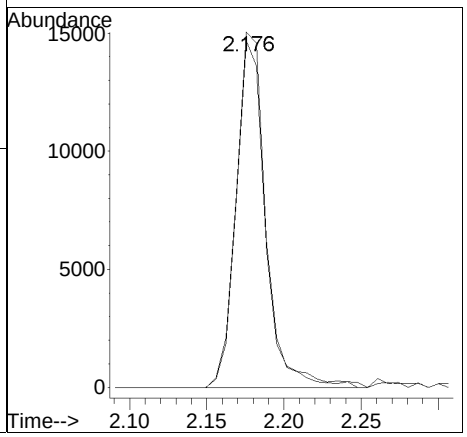


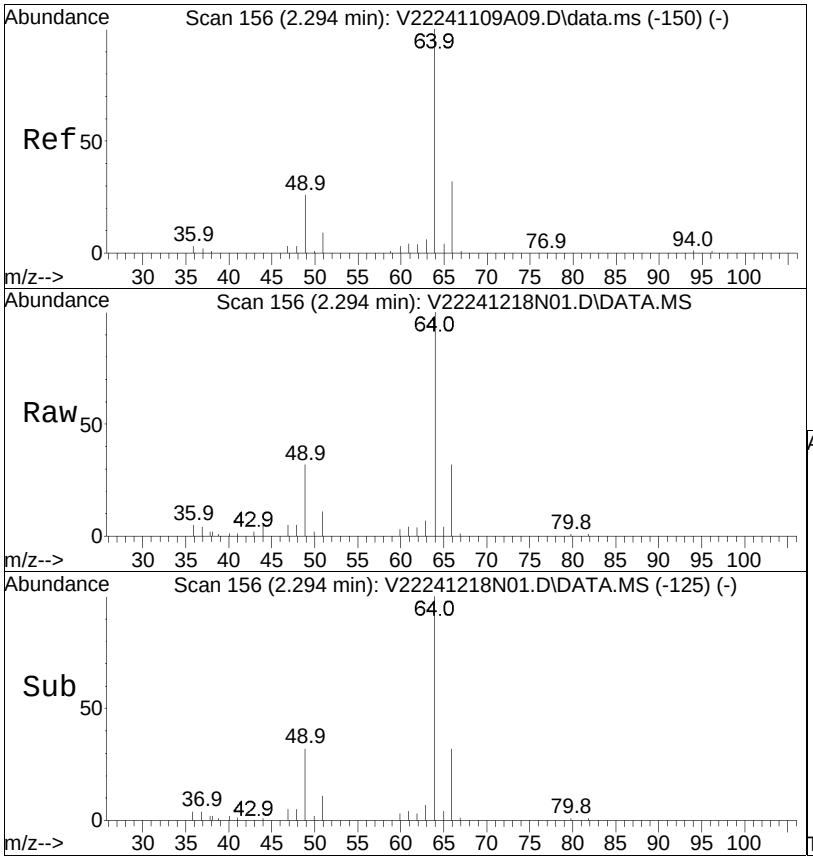


#5
Bromomethane
Concen: 3.34 ug/L
RT: 2.176 min Scan# 138
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 94 Resp: 20407

Ion	Ratio	Lower	Upper
94	100		
96	94.2	72.8	112.8

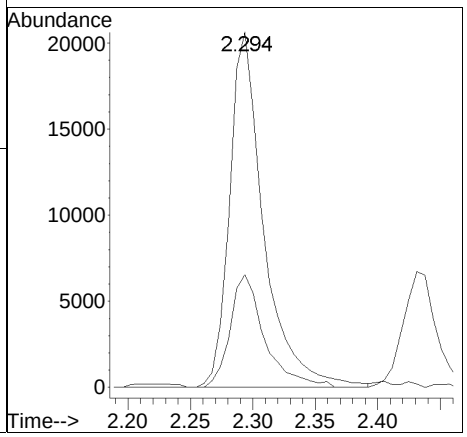


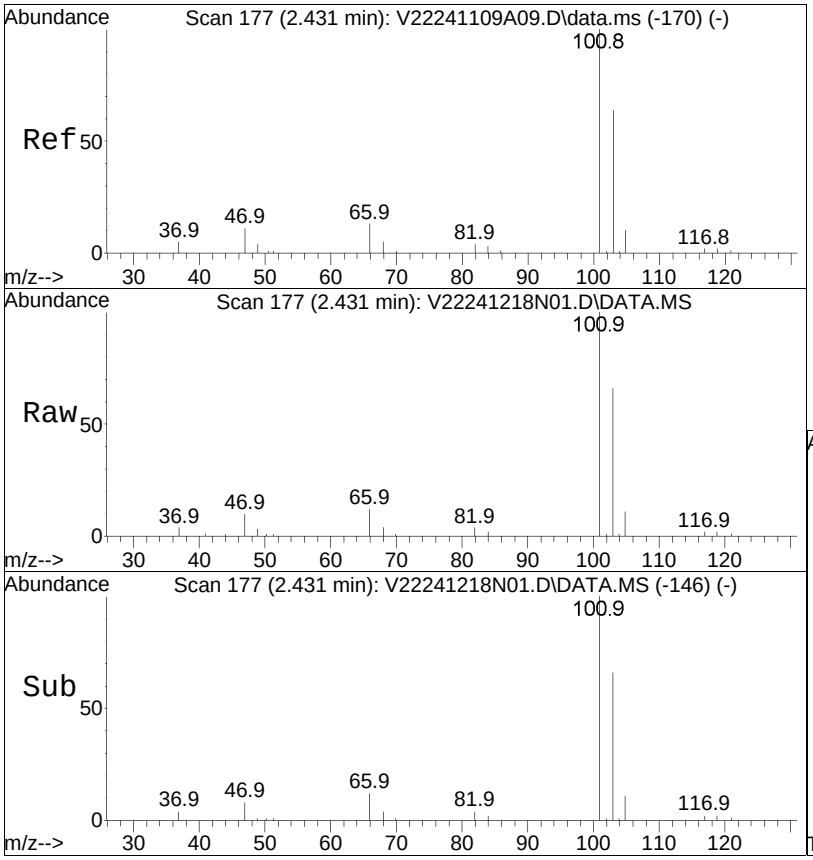


#6
Chloroethane
Concen: 6.79 ug/L
RT: 2.294 min Scan# 156
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 64 Resp: 39352

Ion	Ratio	Lower	Upper
64	100		
66	32.1	12.2	52.2

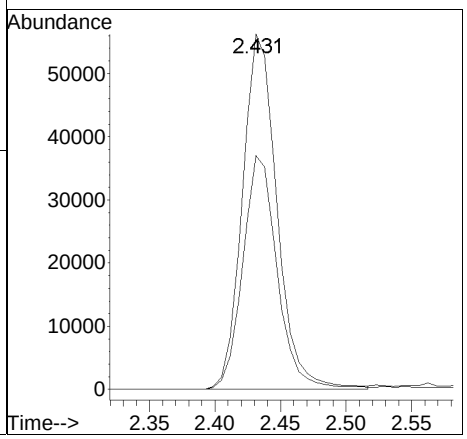


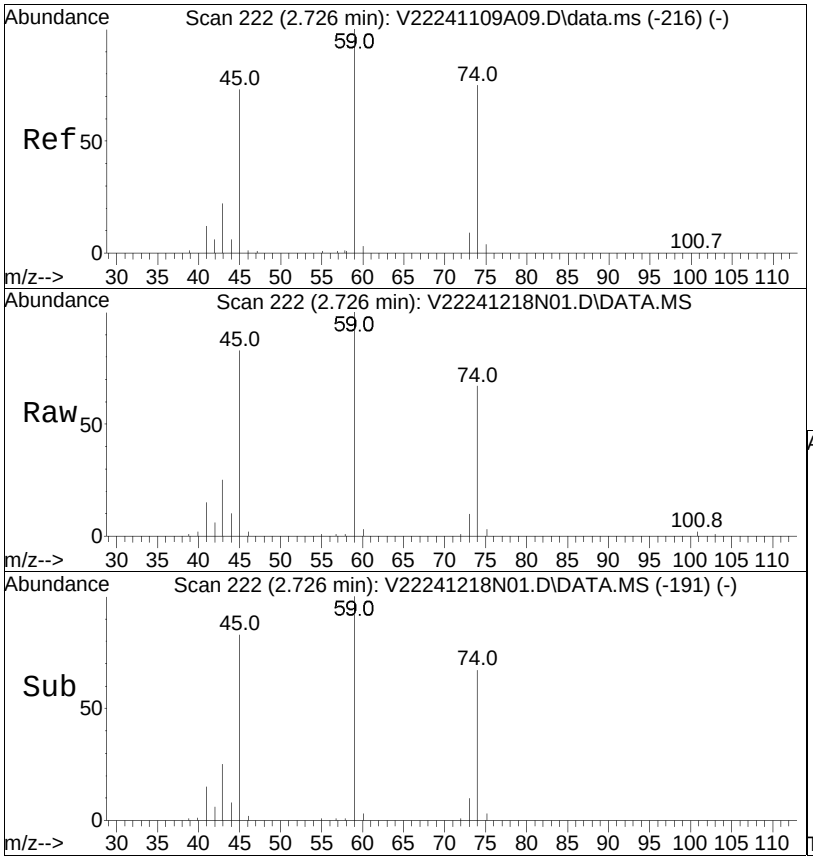


#7
Trichlorofluoromethane
Concen: 10.69 ug/L
RT: 2.431 min Scan# 177
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:101 Resp: 103469

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

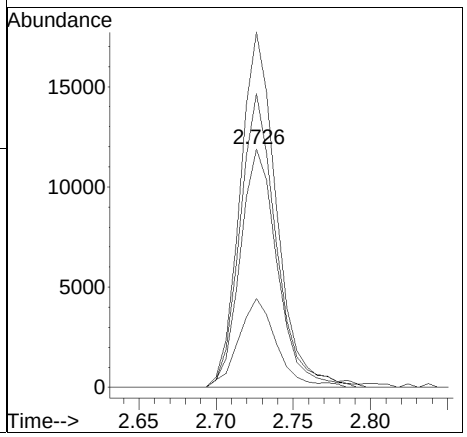


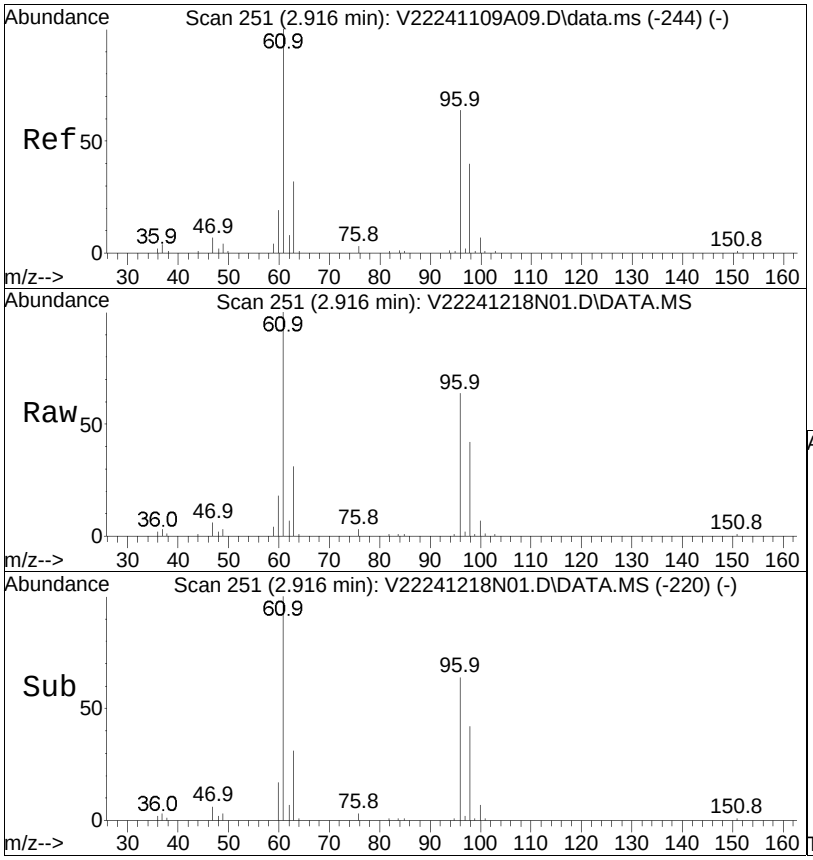


#8
Ethyl ether
Concen: 9.39 ug/L
RT: 2.726 min Scan# 222
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 74 Resp: 20012

Ion	Ratio	Lower	Upper
74	100		
59	147.2	2122.4	4408.0#
45	119.6	1435.1	2980.5#
43	38.0	407.9	847.3#

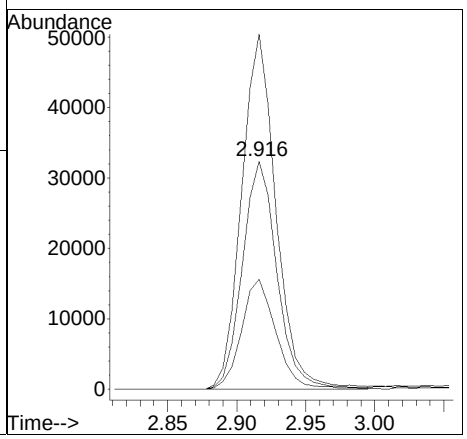


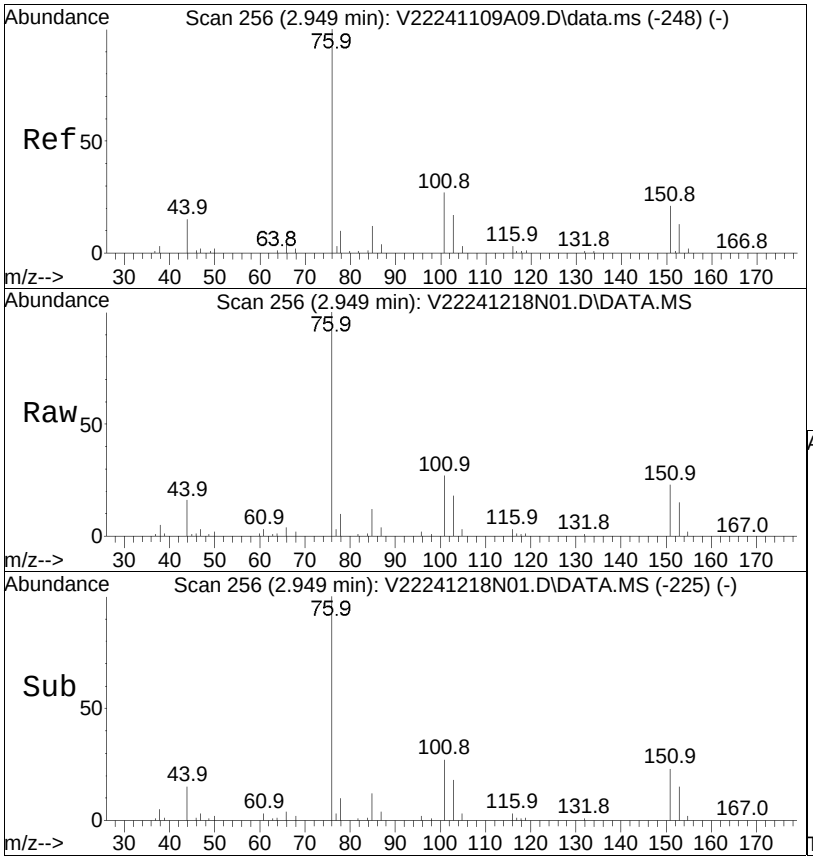


#10
1,1-Dichloroethene
Concen: 11.10 ug/L
RT: 2.916 min Scan# 251
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 96 Resp: 56699

Ion	Ratio	Lower	Upper
96	100		
61	154.1	117.0	175.4
63	48.5	37.8	56.6

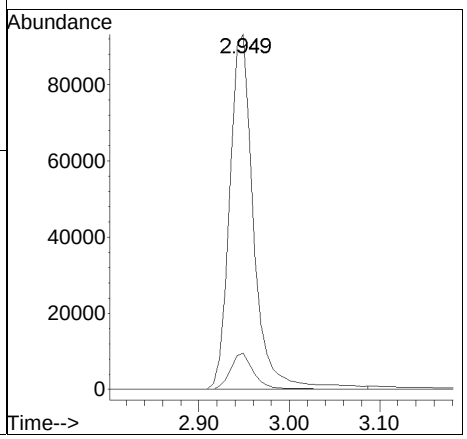


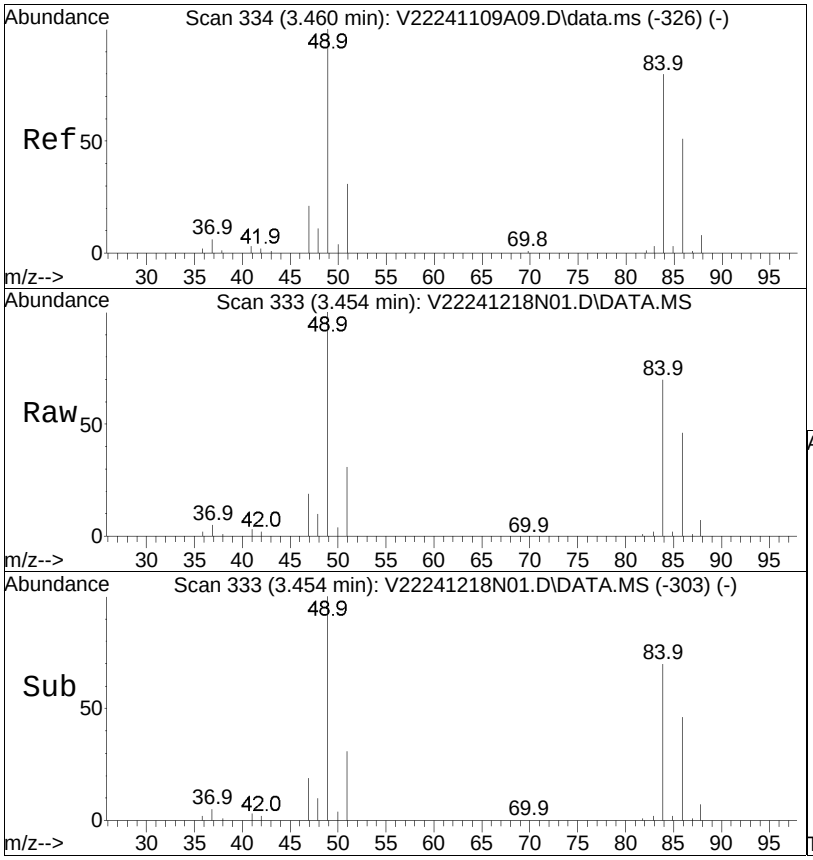


#11
Carbon disulfide
Concen: 11.13 ug/L
RT: 2.949 min Scan# 256
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 76 Resp: 172865

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

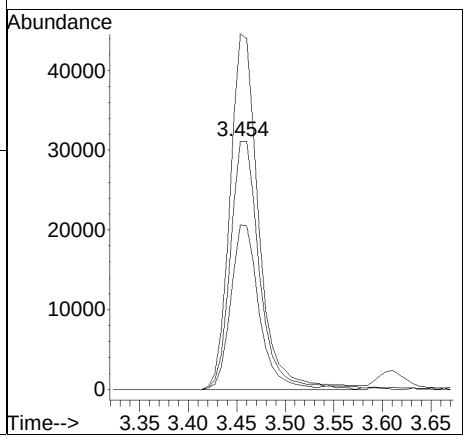


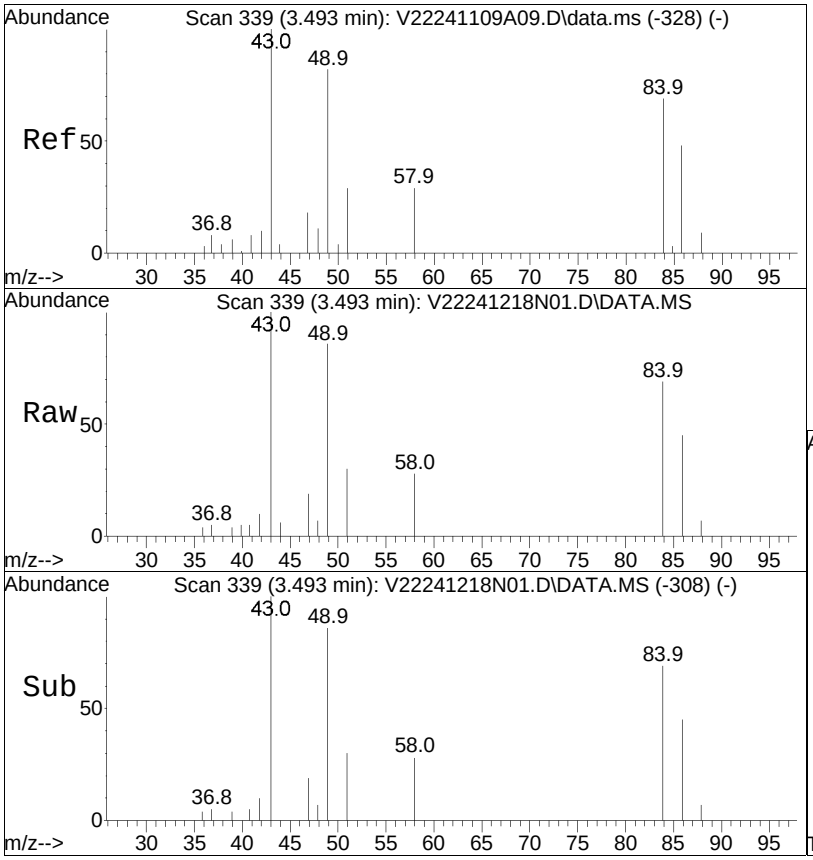


#15
Methylene chloride
Concen: 10.88 ug/L
RT: 3.454 min Scan# 333
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 84 Resp: 65307

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.5	86.3
49	140.7	68.8	143.0

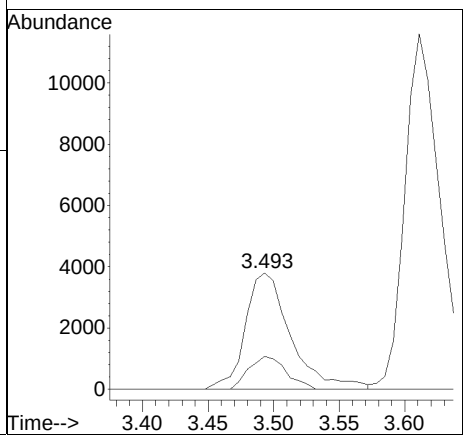


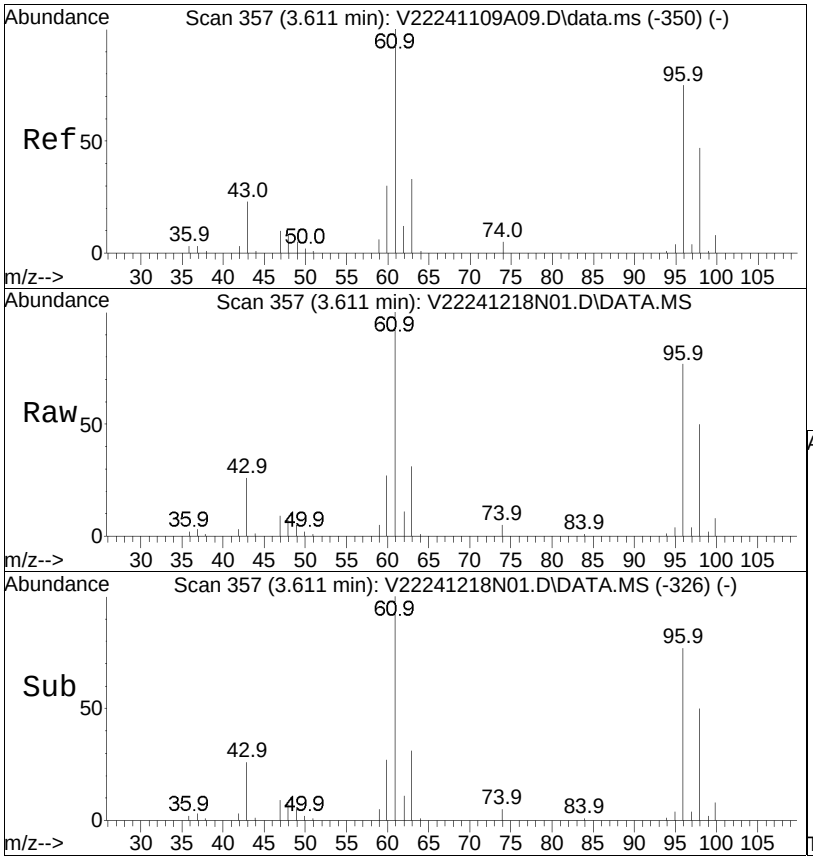


#17
Acetone
Concen: 10.66 ug/L
RT: 3.493 min Scan# 339
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 43 Resp: 9217

Ion	Ratio	Lower	Upper
43	100		
58	23.3	23.1	34.7

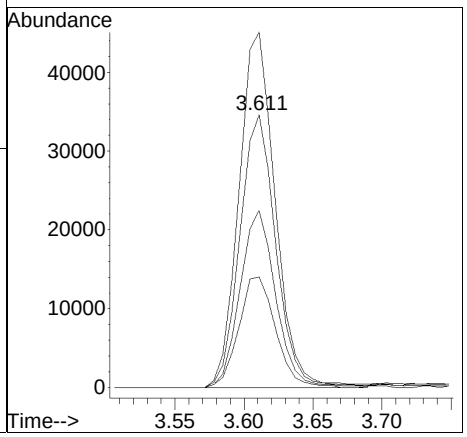


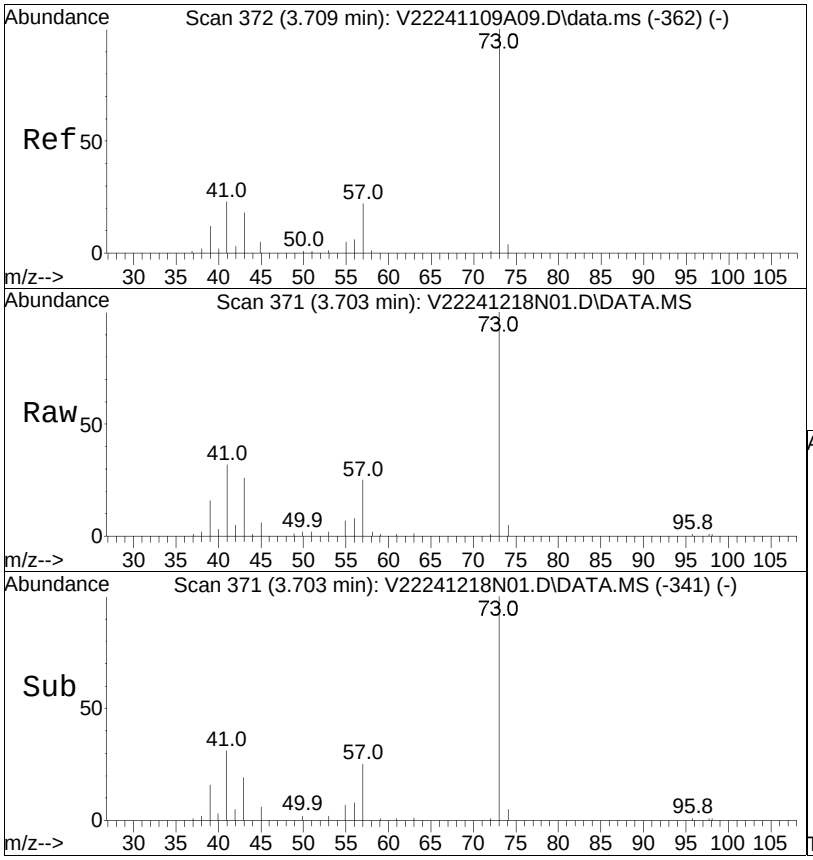


#18
trans-1,2-Dichloroethene
Concen: 11.19 ug/L
RT: 3.611 min Scan# 357
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 96 Resp: 62751

Ion	Ratio	Lower	Upper
96	100		
61	131.4	81.6	169.6
98	64.2	41.8	86.8
63	41.5	26.3	54.7

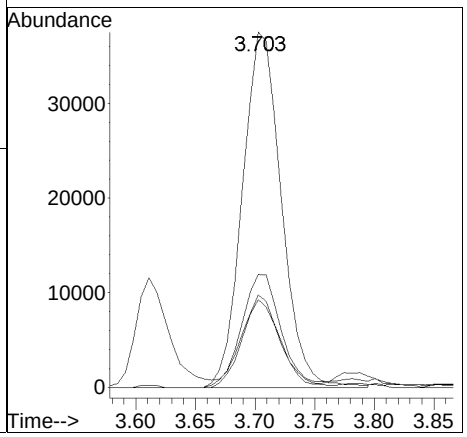


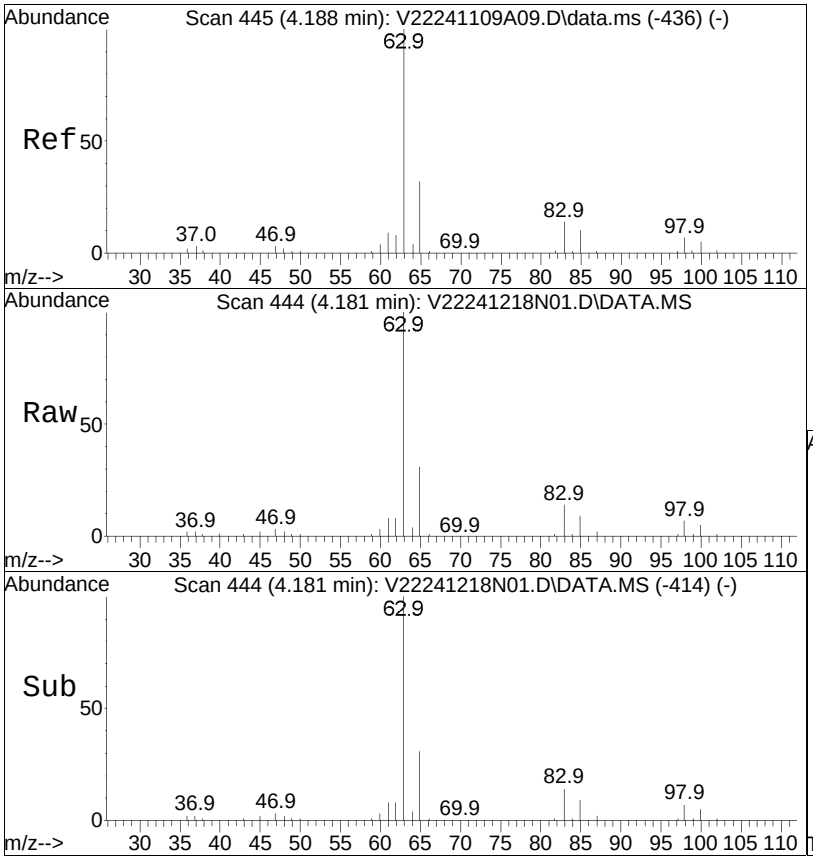


#21
Methyl tert-butyl ether
Concen: 8.67 ug/L
RT: 3.703 min Scan# 371
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 73 Resp: 85318

Ion	Ratio	Lower	Upper
73	100		
57	24.1	13.6	28.2
43	24.5	12.7	26.5
41	32.5	11.4	23.8#

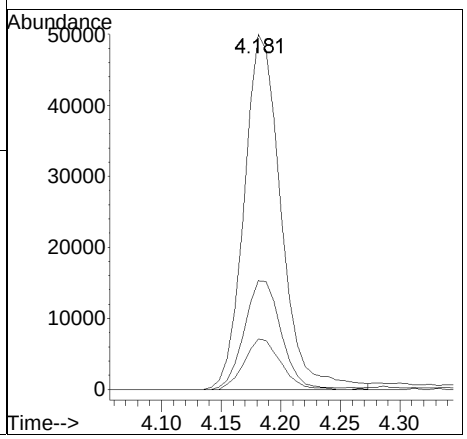


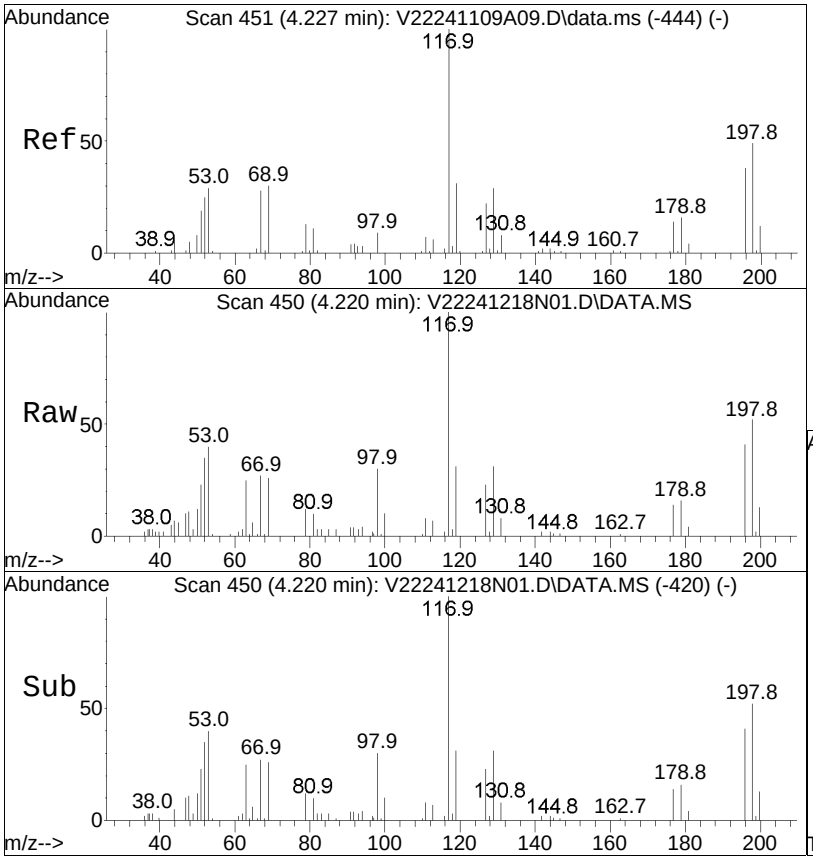


#25
1,1-Dichloroethane
Concen: 10.60 ug/L
RT: 4.181 min Scan# 444
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 63 Resp: 107674

Ion	Ratio	Lower	Upper
63	100		
65	30.6	11.9	51.9
83	14.0	0.0	34.2

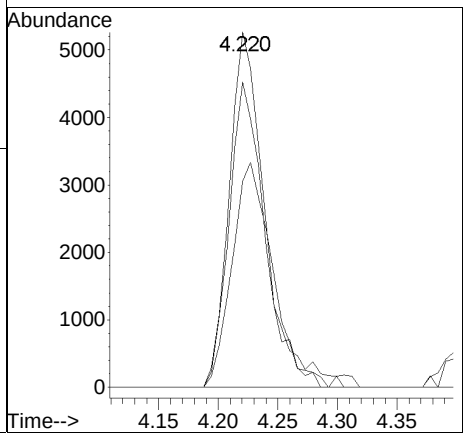


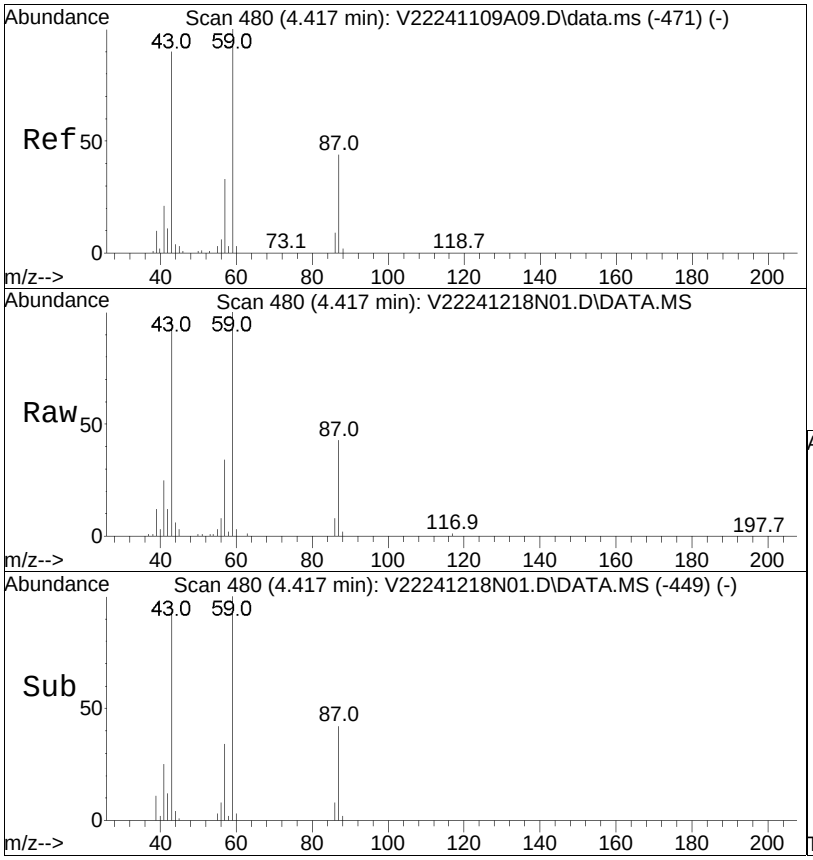


#27
Acrylonitrile
Concen: 10.91 ug/L
RT: 4.220 min Scan# 450
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 53 Resp: 11258

Ion	Ratio	Lower	Upper
53	100		
52	85.4	63.8	95.8
51	69.5	50.2	75.4

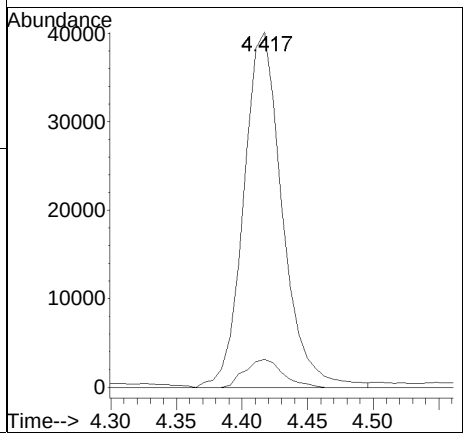


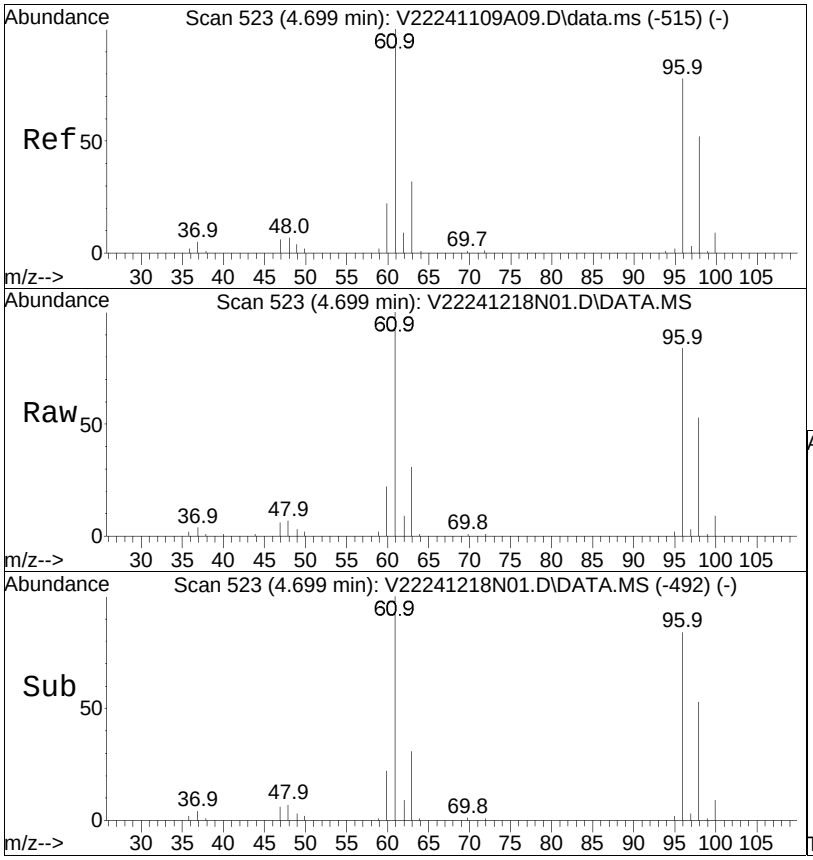


#29
Vinyl acetate
Concen: 9.35 ug/L
RT: 4.417 min Scan# 480
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 43 Resp: 82284

Ion	Ratio	Lower	Upper
43	100		
86	7.8	8.9	13.3#

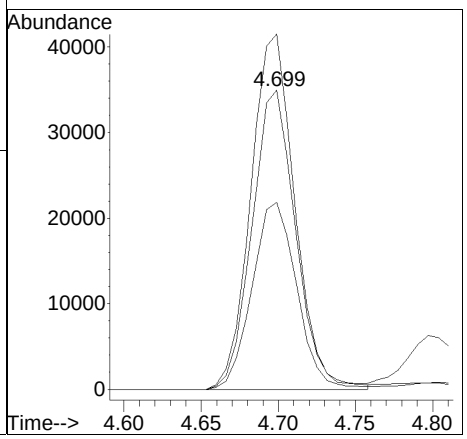


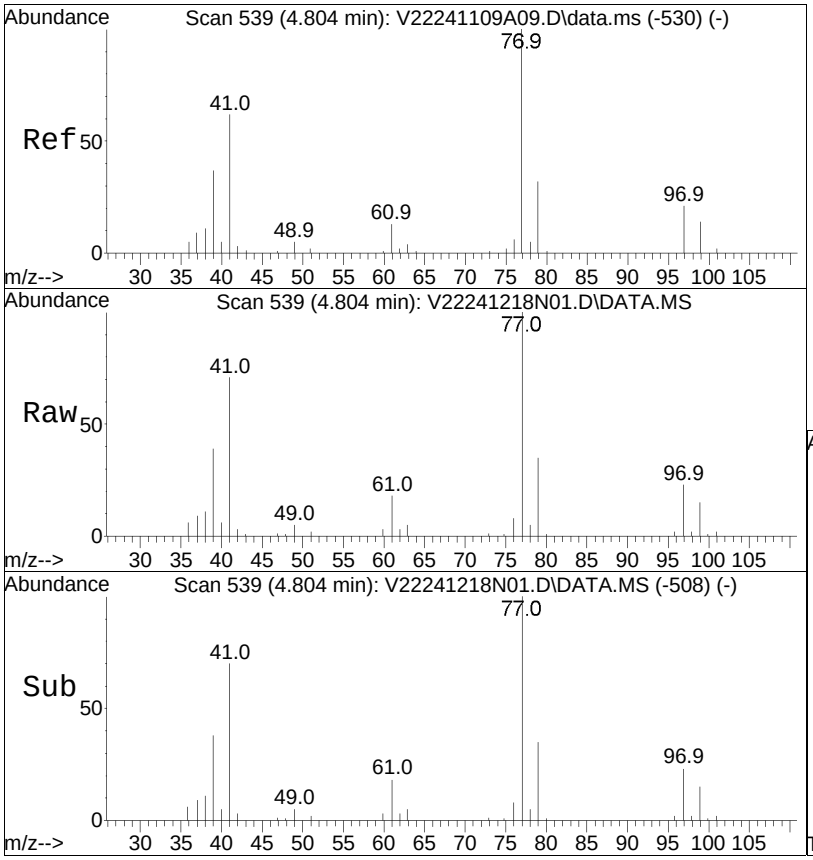


#30
cis-1,2-Dichloroethene
Concen: 11.09 ug/L
RT: 4.699 min Scan# 523
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 96 Resp: 68826

Ion	Ratio	Lower	Upper
96	100		
61	119.2	90.3	135.5
98	63.9	50.8	76.2

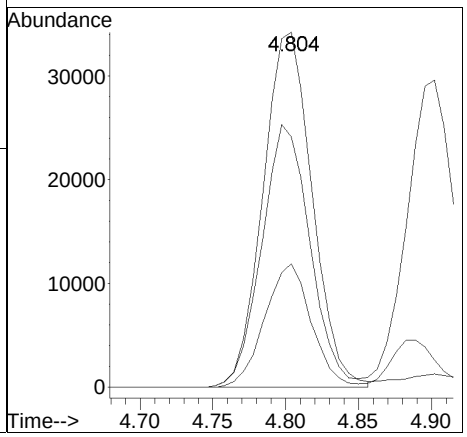


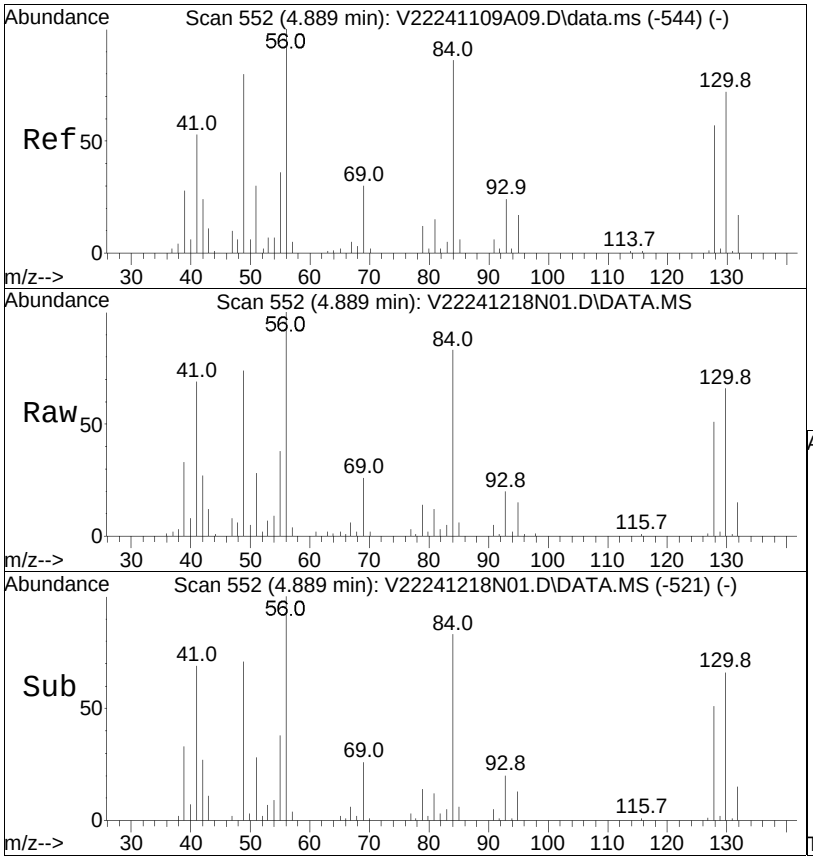


#31
2,2-Dichloropropane
Concen: 10.73 ug/L
RT: 4.804 min Scan# 539
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 77 Resp: 80509

Ion	Ratio	Lower	Upper
77	100		
41	72.8	32.3	67.1#
79	33.0	21.1	43.7

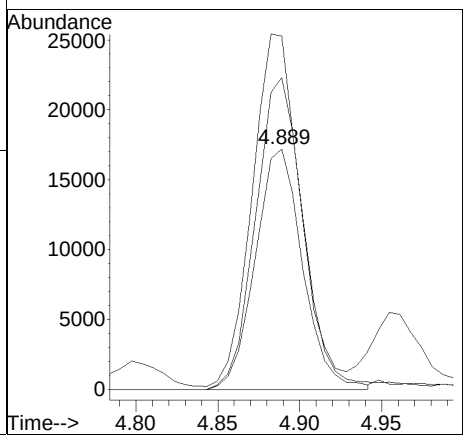


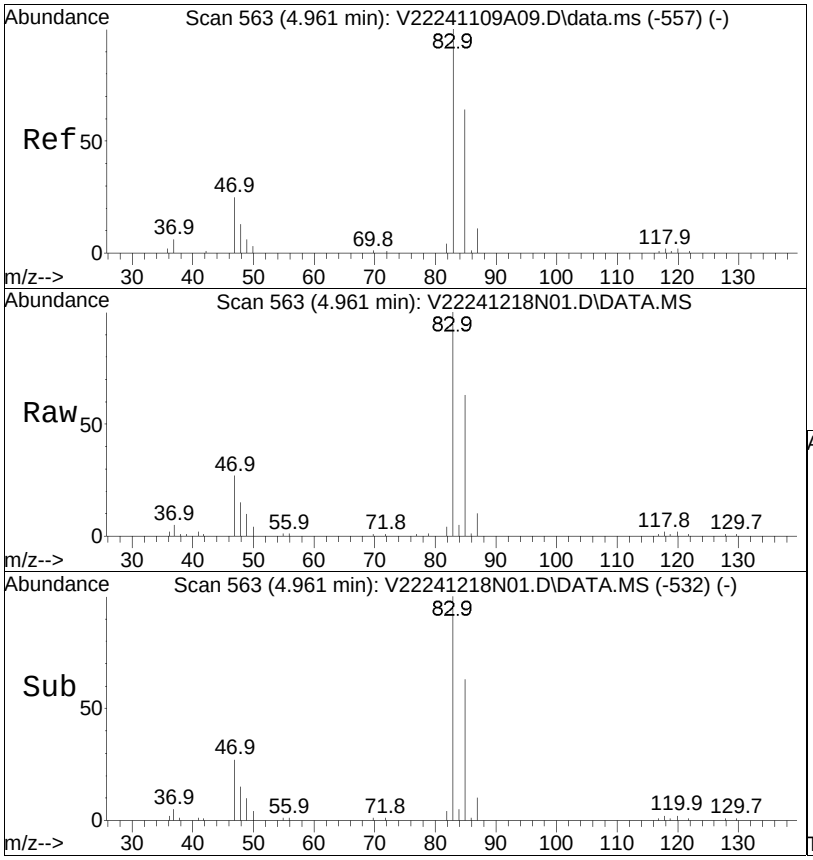


#32
Bromochloromethane
Concen: 11.06 ug/L
RT: 4.889 min Scan# 552
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:128 Resp: 34488

Ion	Ratio	Lower	Upper
128	100		
49	149.2	104.4	156.6
130	137.0	103.9	155.9

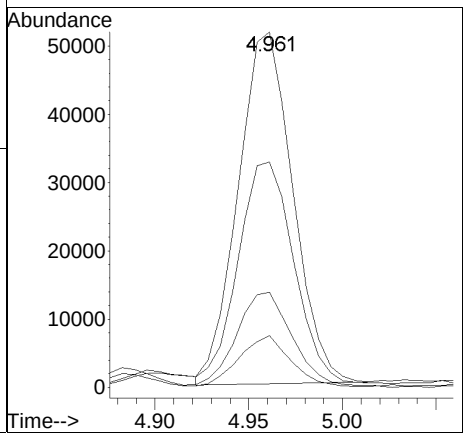


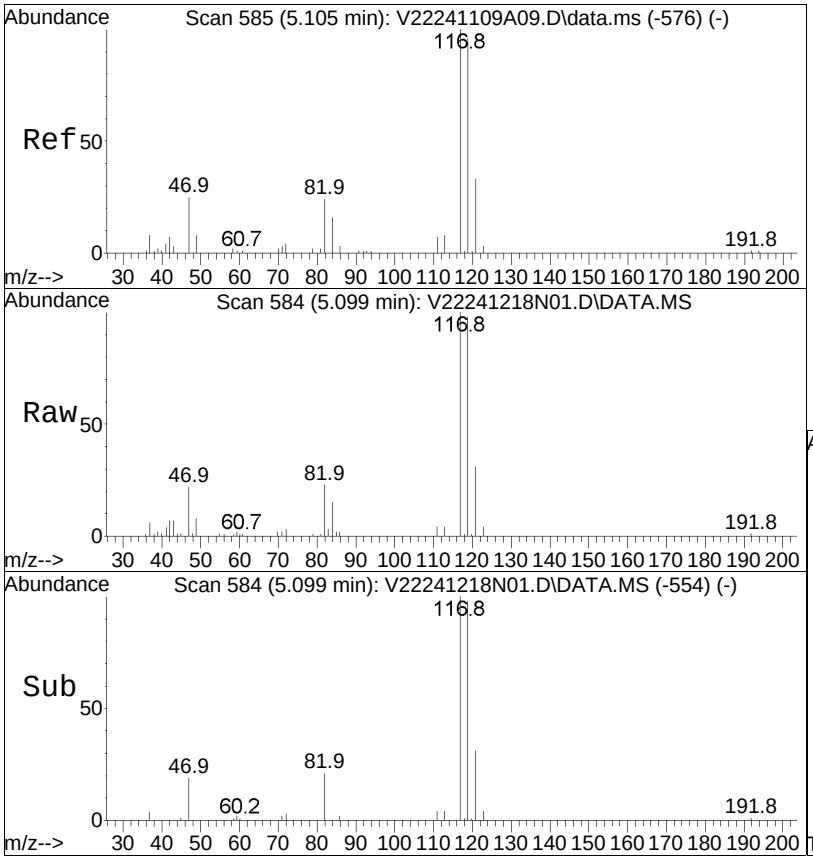


#34
Chloroform
Concen: 10.35 ug/L
RT: 4.961 min Scan# 563
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 83 Resp: 105027

Ion	Ratio	Lower	Upper
83	100		
85	64.7	42.4	88.2
47	26.4	14.0	29.0
48	14.2	6.9	14.3

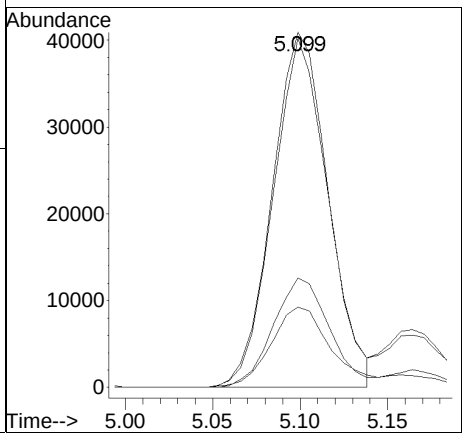


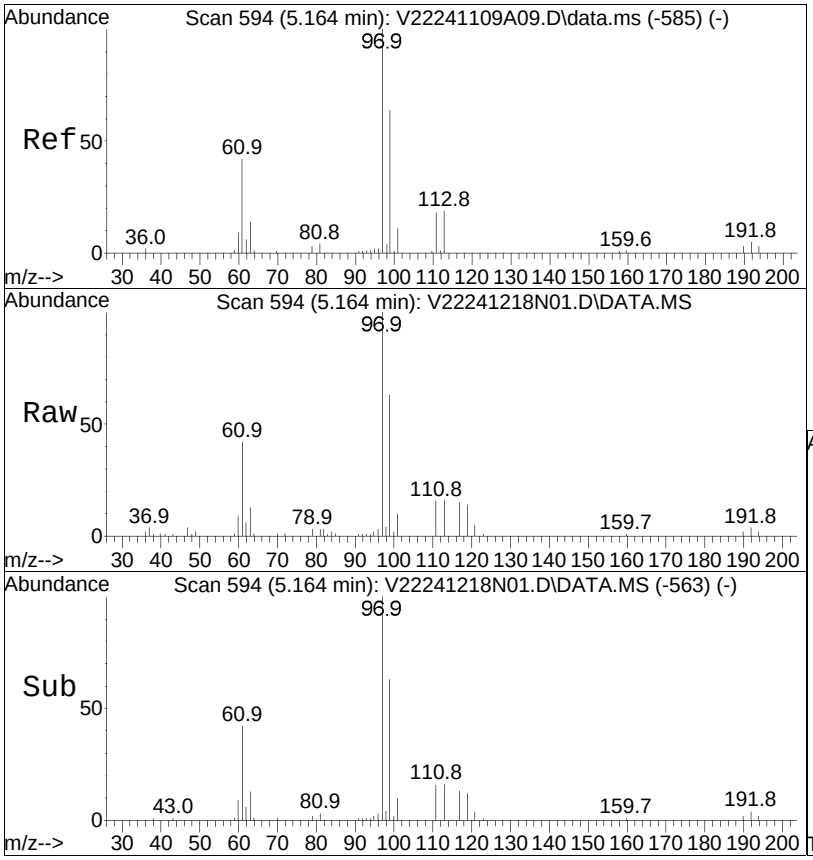


#36
Carbon tetrachloride
Concen: 11.14 ug/L
RT: 5.099 min Scan# 584
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:117 Resp: 91461

Ion	Ratio	Lower	Upper
117	100		
119	95.8	62.1	129.1
121	31.3	20.3	42.3
82	24.3	15.4	32.0

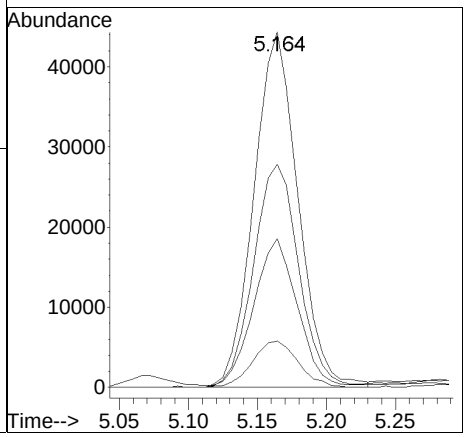


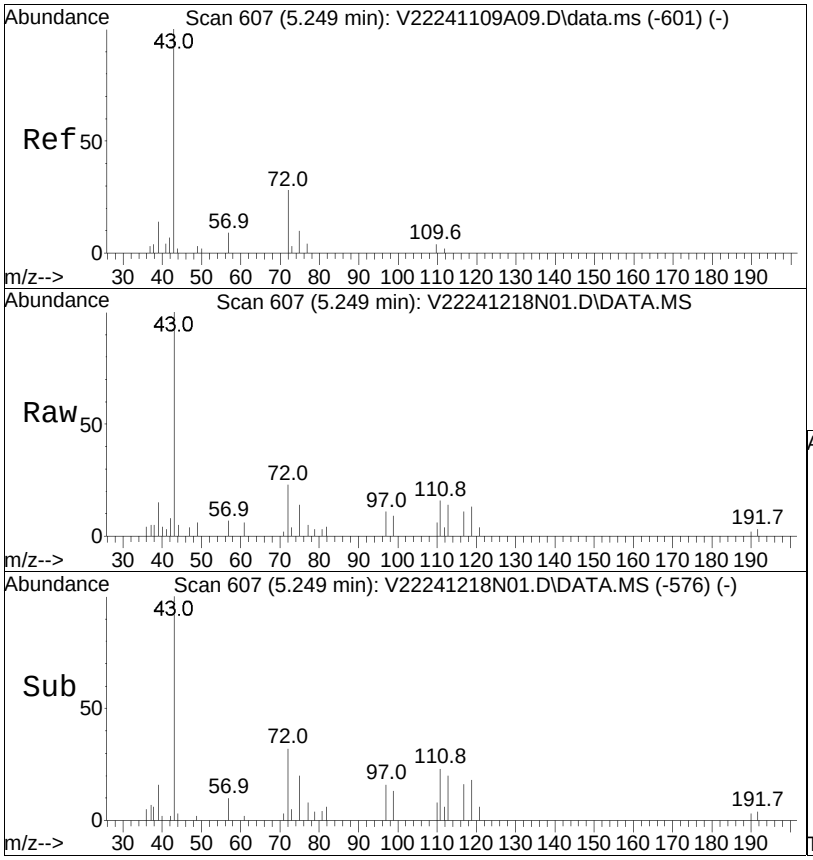


#39
1,1,1-Trichloroethane
Concen: 10.66 ug/L
RT: 5.164 min Scan# 594
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 97 Resp: 98683

Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.4	88.0
61	41.0	26.0	54.0
63	13.6	8.3	17.3

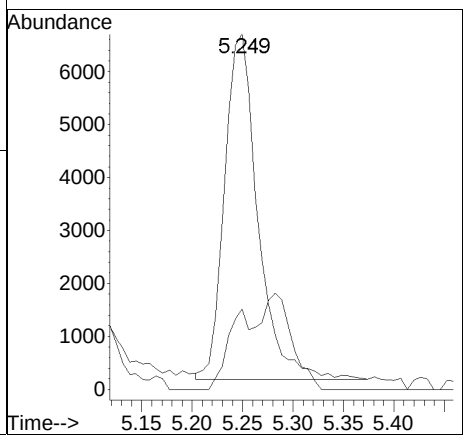


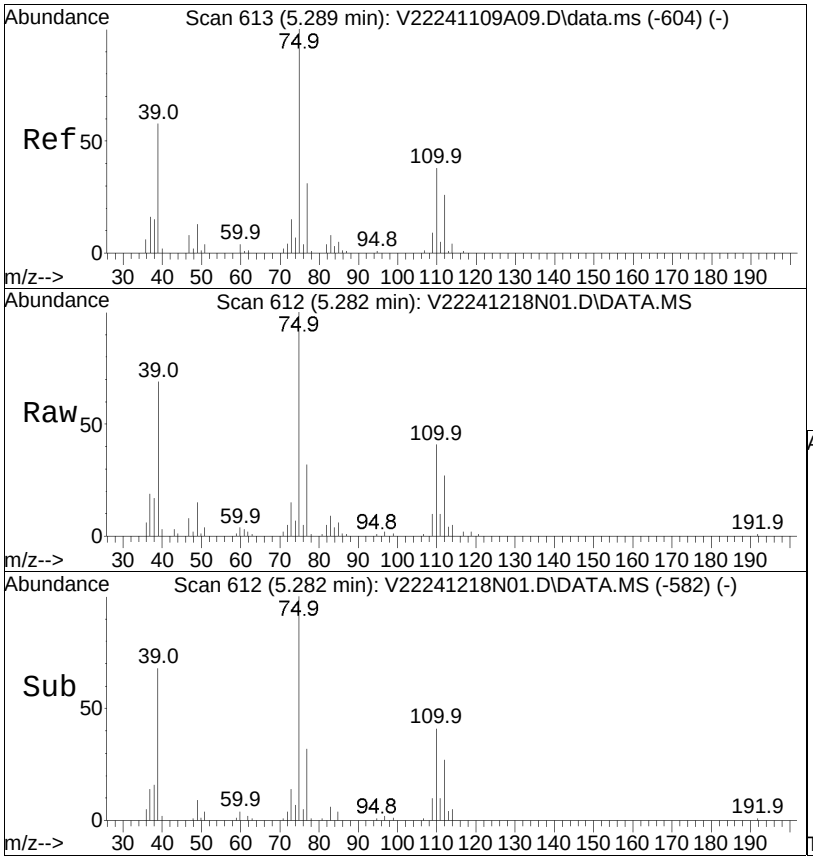


#41
2-Butanone
Concen: 12.21 ug/L
RT: 5.249 min Scan# 607
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 43 Resp: 14988

Ion	Ratio	Lower	Upper
43	100		
72	14.9	45.8	68.8#

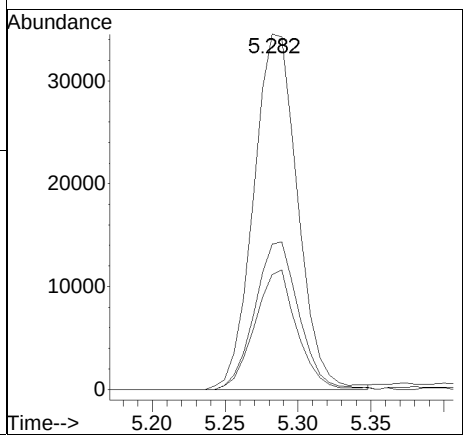


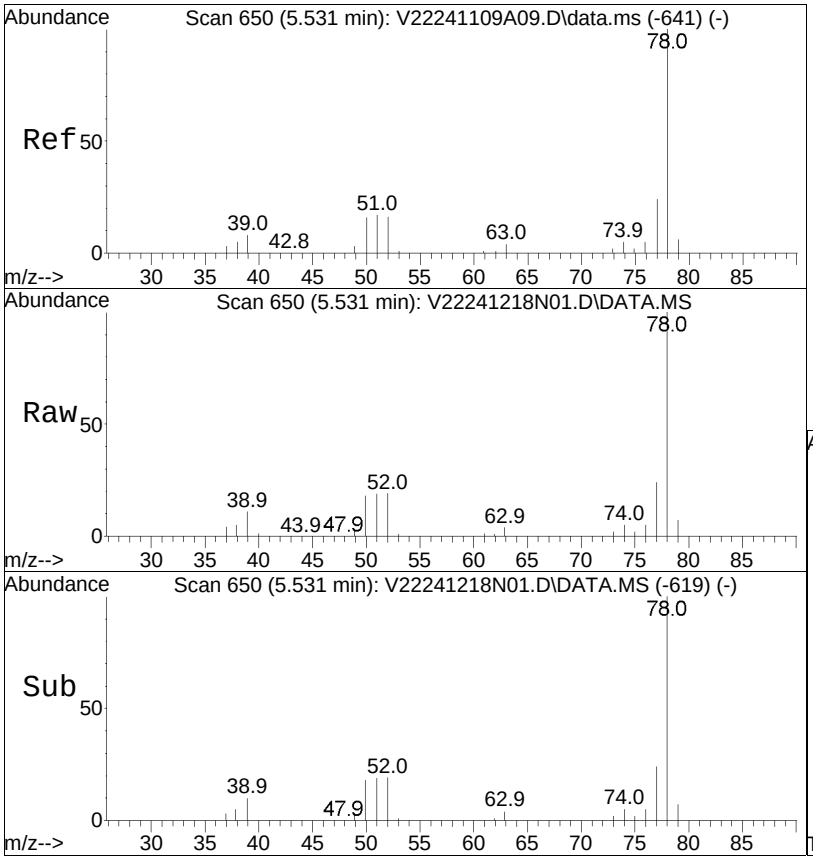


#42
1,1-Dichloropropene
Concen: 9.70 ug/L
RT: 5.282 min Scan# 612
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 75 Resp: 72555

Ion	Ratio	Lower	Upper
75	100		
110	41.3	25.4	52.8
77	32.2	20.3	42.1

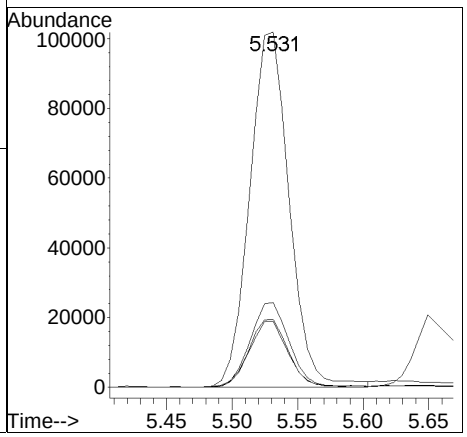


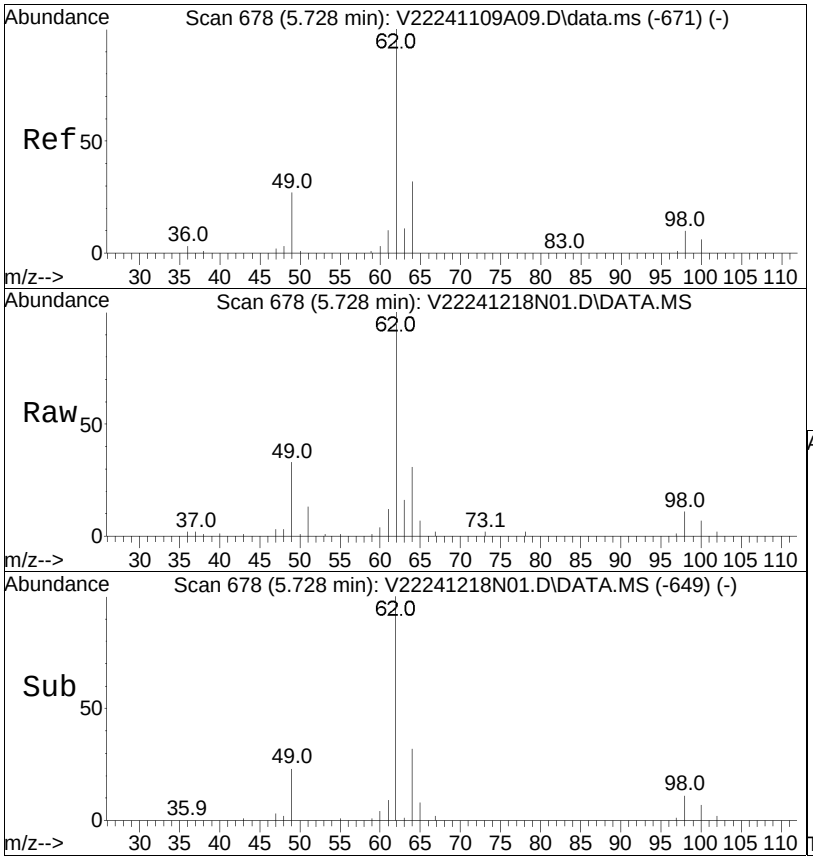


#44
Benzene
Concen: 9.70 ug/L
RT: 5.531 min Scan# 650
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 78 Resp: 214253

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.4	32.0
51	19.1	9.8	20.4
52	18.2	9.2	19.2

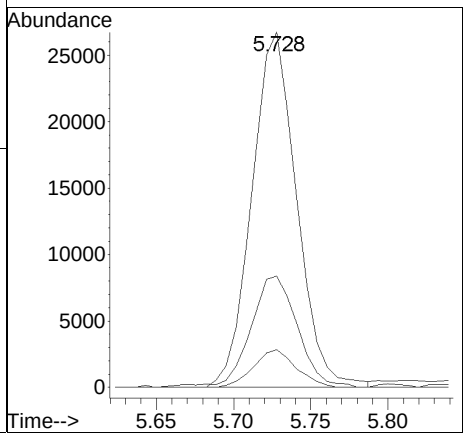


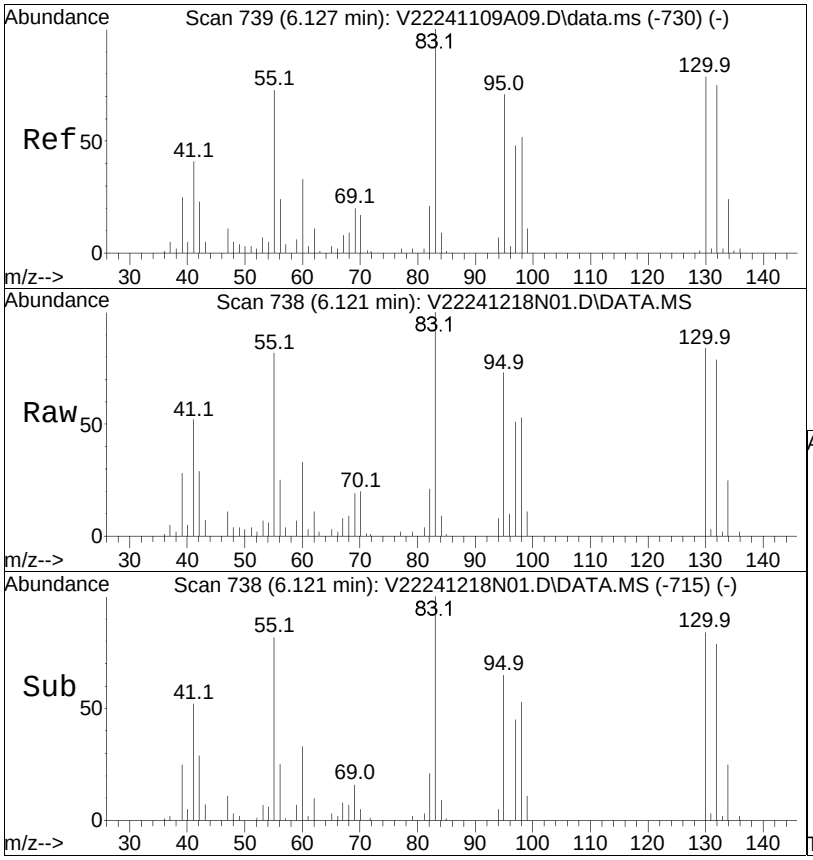


#47
1,2-Dichloroethane
Concen: 10.05 ug/L
RT: 5.728 min Scan# 678
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 62 Resp: 53946

Ion	Ratio	Lower	Upper
62	100		
64	36.0	12.3	52.3
98	10.2	0.0	30.3

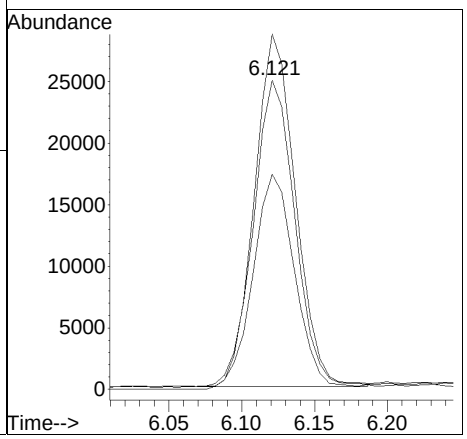


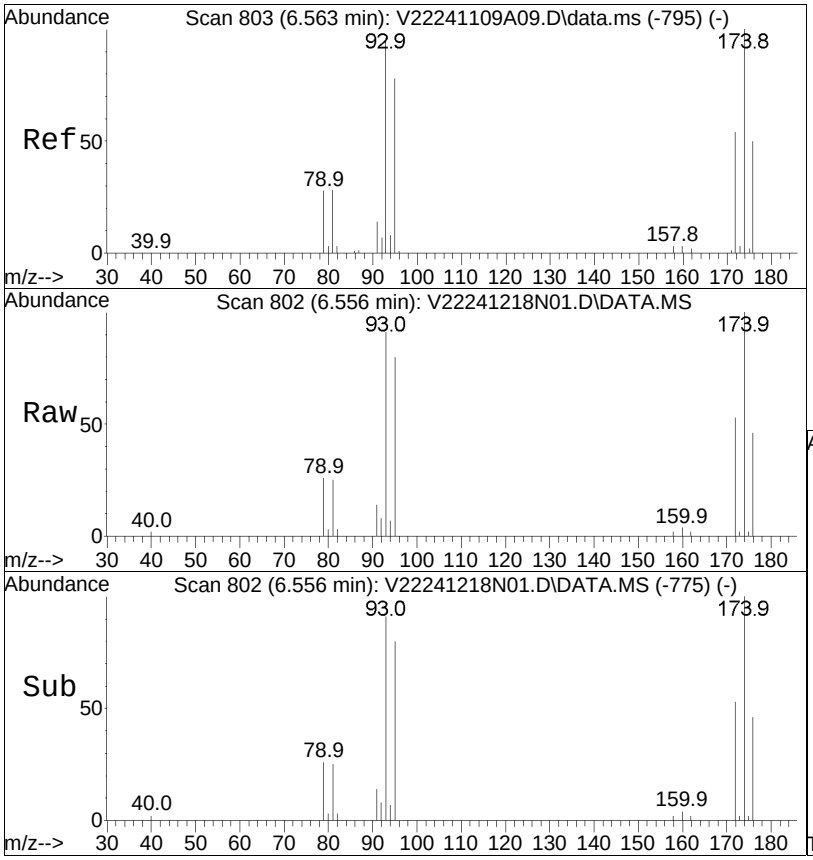


#51
Trichloroethene
Concen: 9.58 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 95 Resp: 49219

Ion	Ratio	Lower	Upper
95	100		
97	68.7	55.0	82.4
130	117.1	89.2	133.8

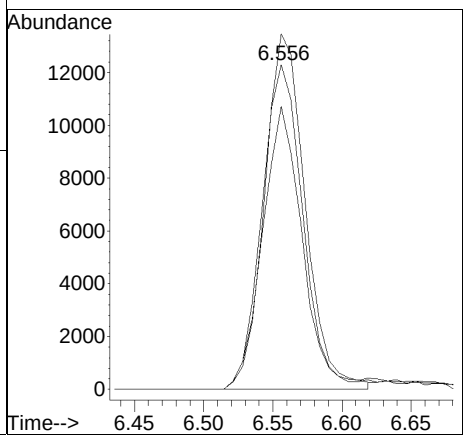


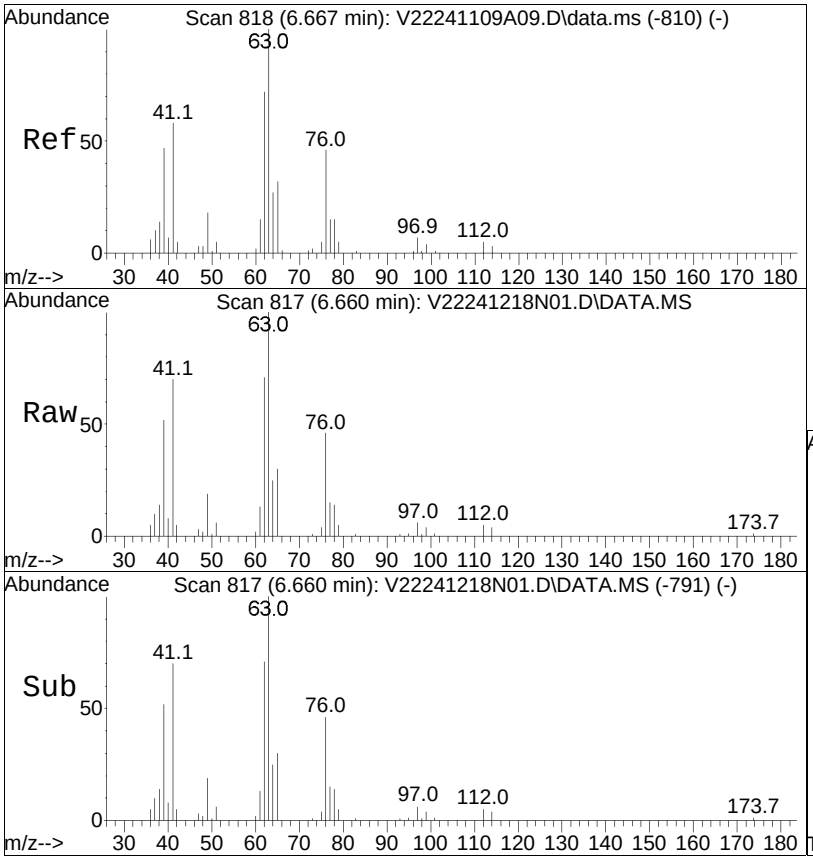


#53
Dibromomethane
Concen: 10.42 ug/L
RT: 6.556 min Scan# 802
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 93 Resp: 28520

Ion	Ratio	Lower	Upper
93	100		
95	84.4	68.0	102.0
174	108.7	106.1	159.1

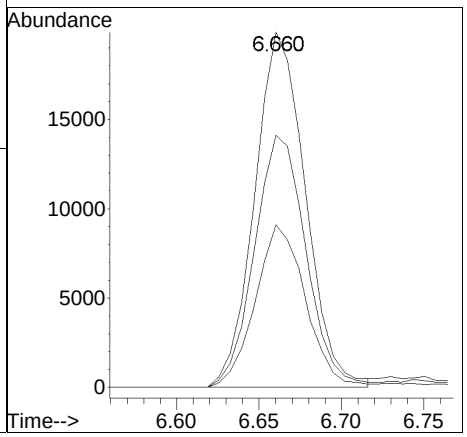


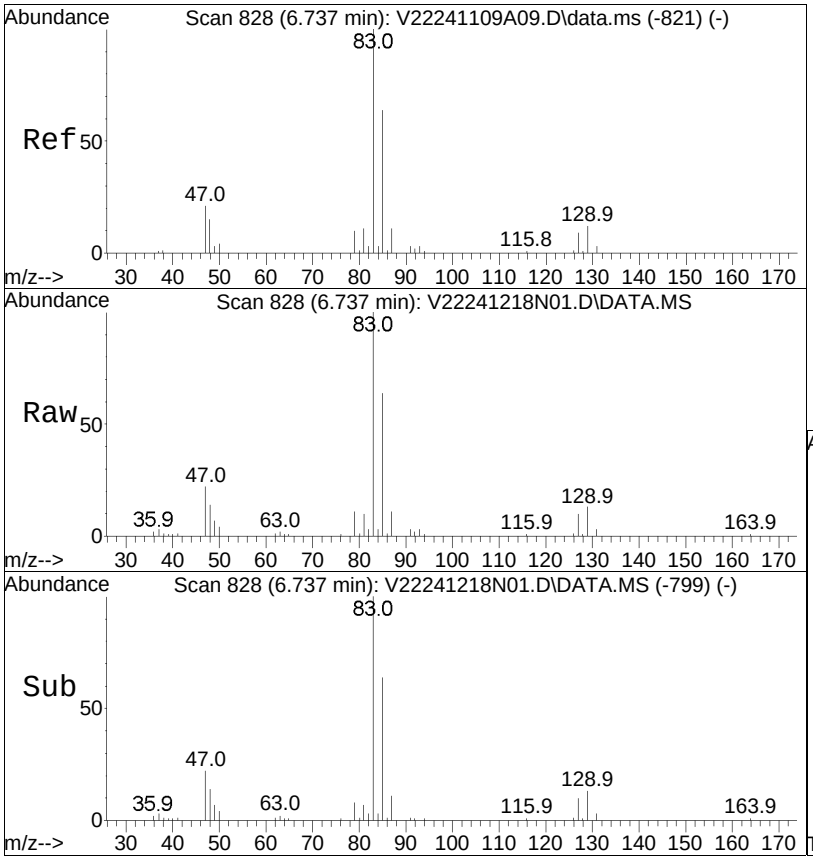


#54
1,2-Dichloropropane
Concen: 9.59 ug/L
RT: 6.660 min Scan# 817
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 63 Resp: 42578

Ion	Ratio	Lower	Upper
63	100		
62	72.3	56.9	85.3
76	45.4	35.8	53.8

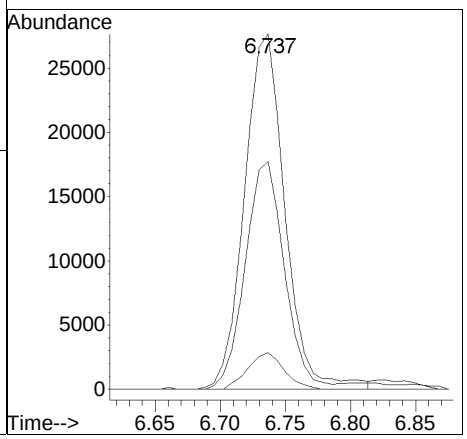


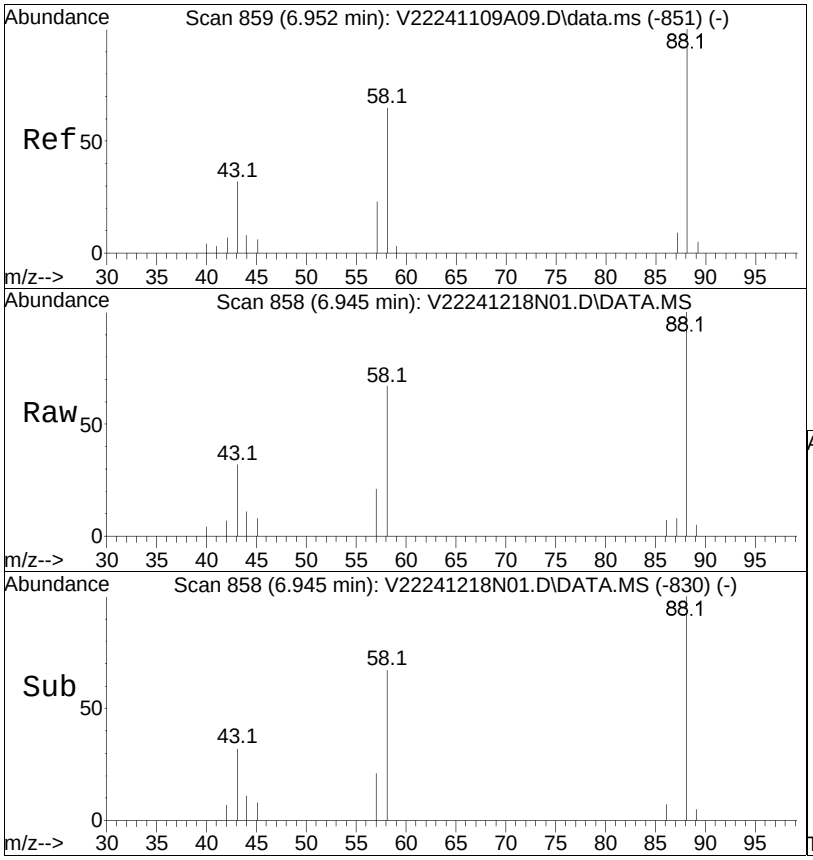


#57
Bromodichloromethane
Concen: 9.71 ug/L
RT: 6.737 min Scan# 828
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 83 Resp: 59897

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.6	77.4
127	9.3	7.4	11.0

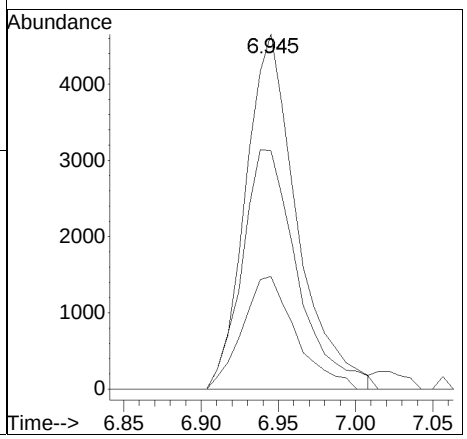


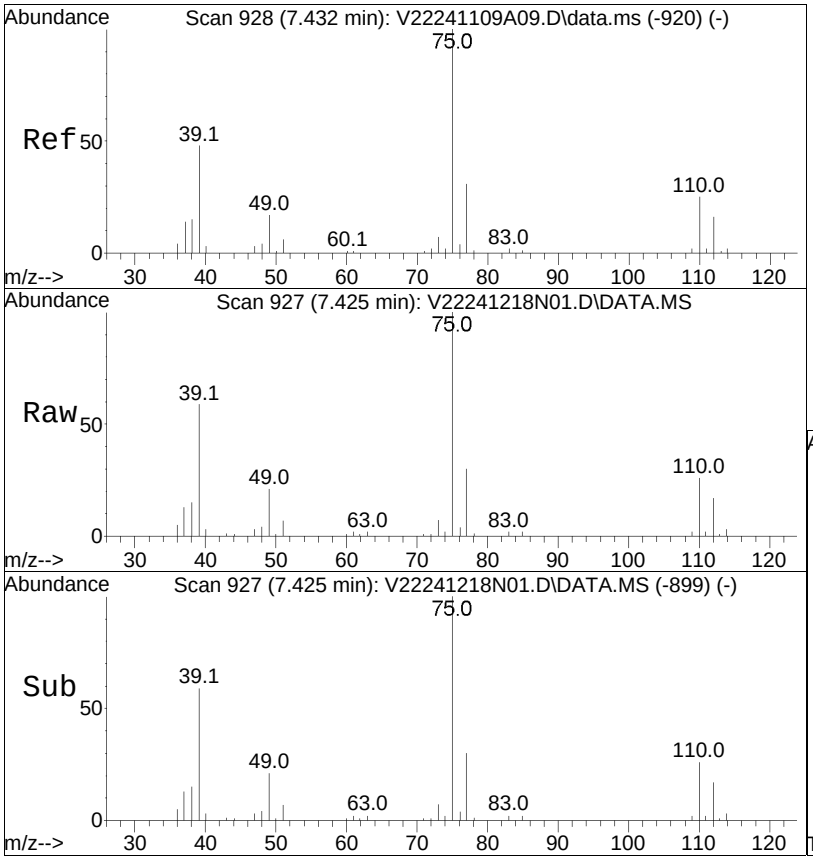


#60
1,4-Dioxane
Concen: 504.35 ug/L
RT: 6.945 min Scan# 858
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 88 Resp: 10781

Ion	Ratio	Lower	Upper
88	100		
58	72.5	43.3	64.9#
43	33.3	15.1	22.7#

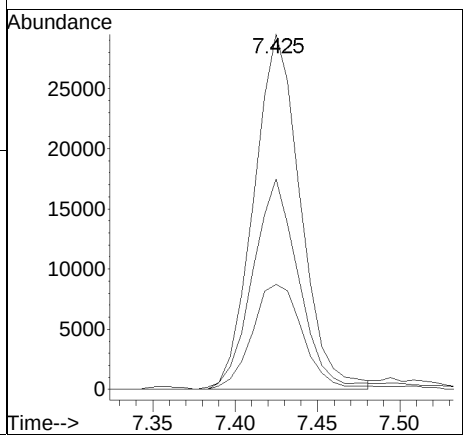


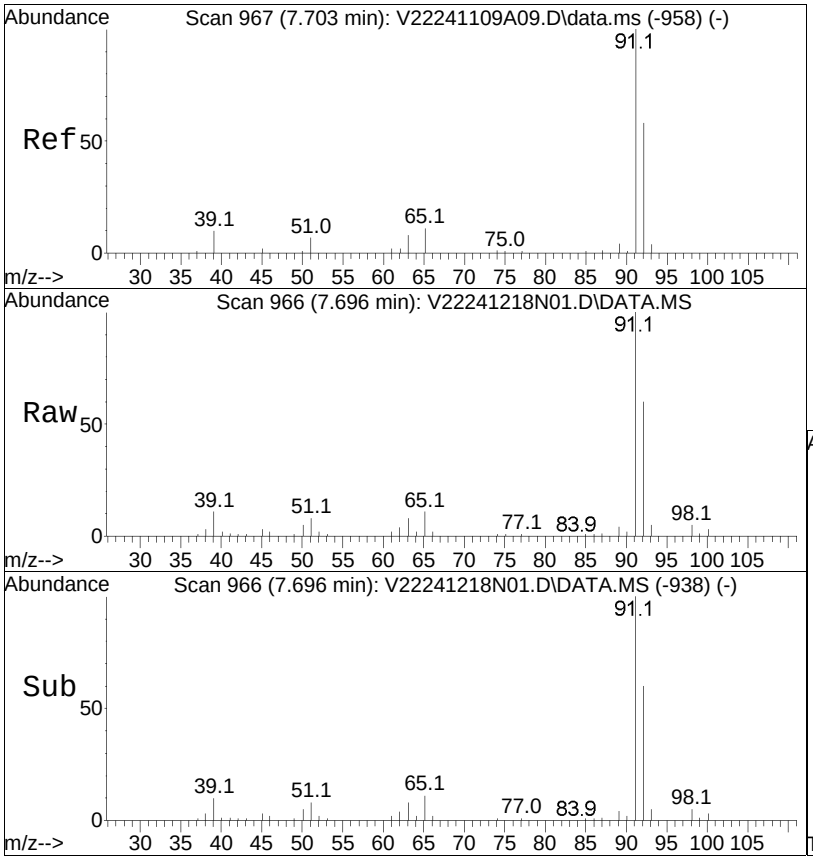


#61
cis-1,3-Dichloropropene
Concen: 9.06 ug/L
RT: 7.425 min Scan# 927
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 75 Resp: 58181

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4
39	58.7	35.4	53.0#

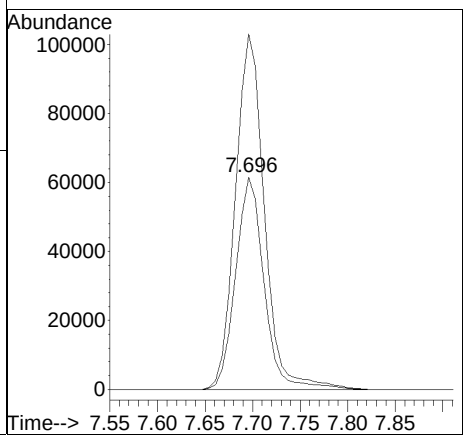


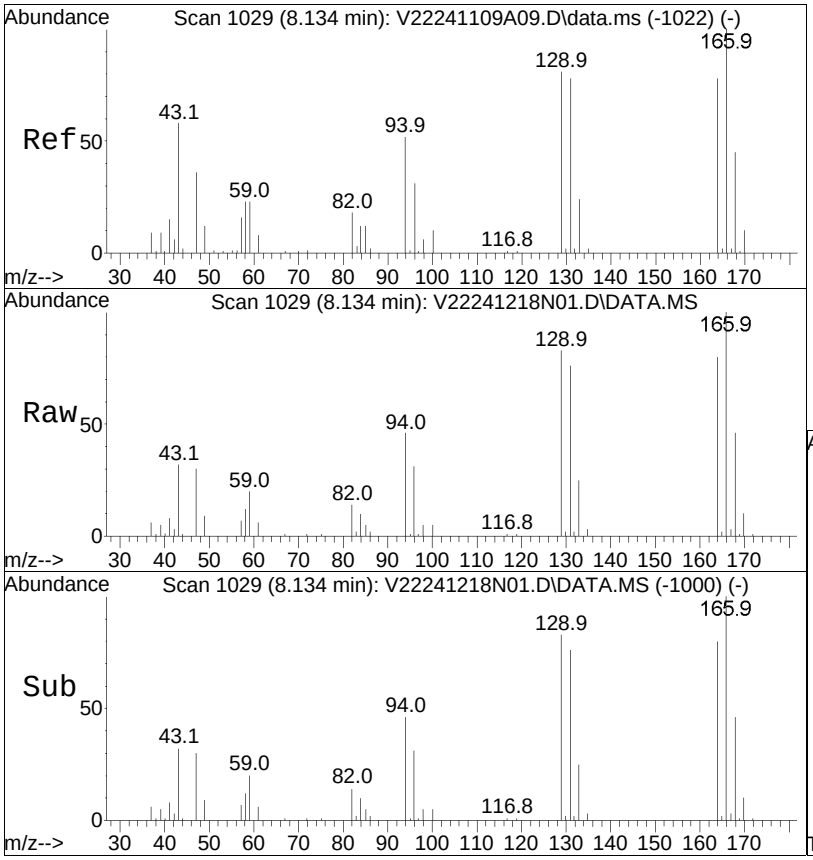


#64
Toluene
Concen: 10.28 ug/L
RT: 7.696 min Scan# 966
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 92 Resp: 128125

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.0	205.6

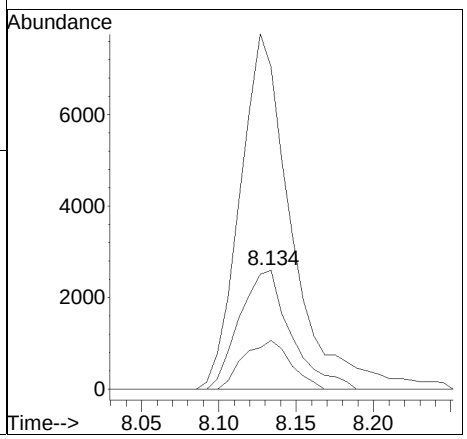


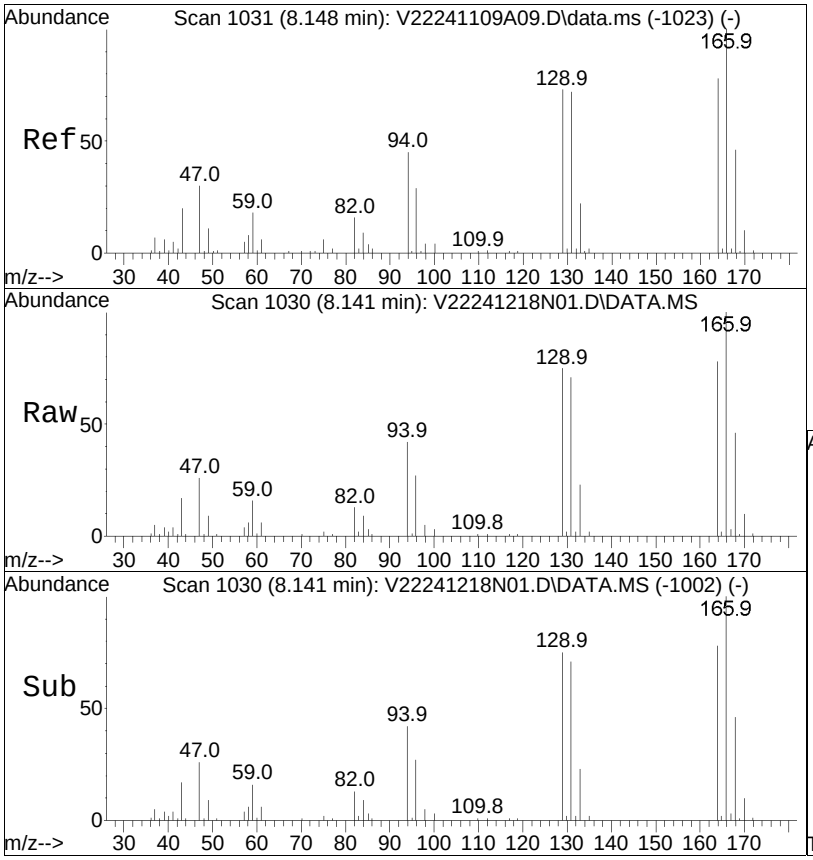


#65
4-Methyl-2-pentanone
Concen: 7.04 ug/L
RT: 8.134 min Scan# 1029
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 58 Resp: 6037

Ion	Ratio	Lower	Upper
58	100		
100	37.9	36.2	54.4
43	303.5	181.8	272.8#

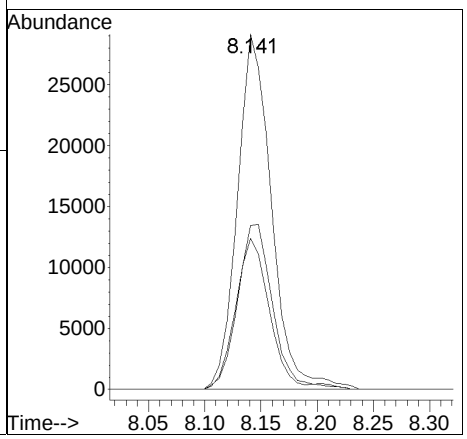


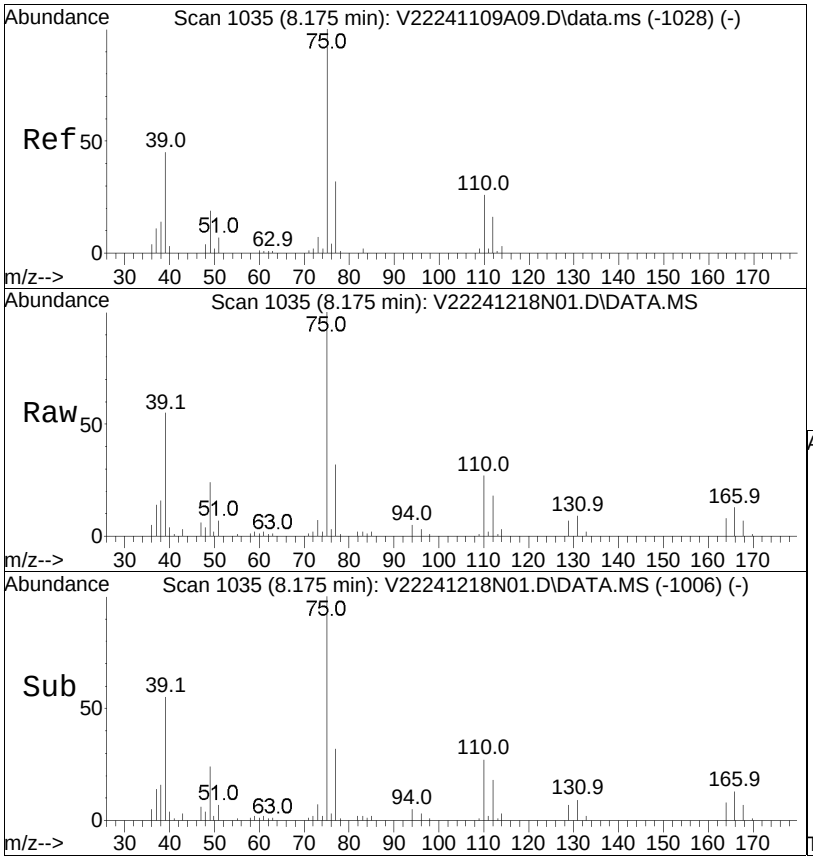


#66
Tetrachloroethene
Concen: 10.78 ug/L
RT: 8.141 min Scan# 1030
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:166 Resp: 61608

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.8	67.8
94	42.6	16.7	56.7

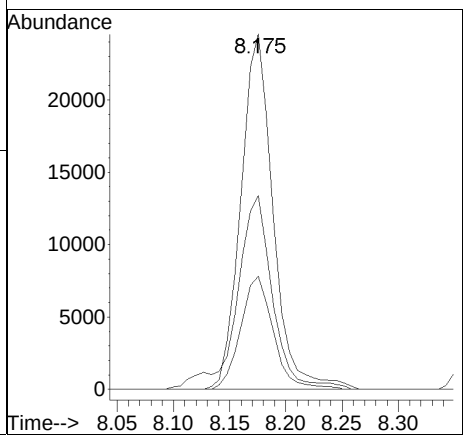


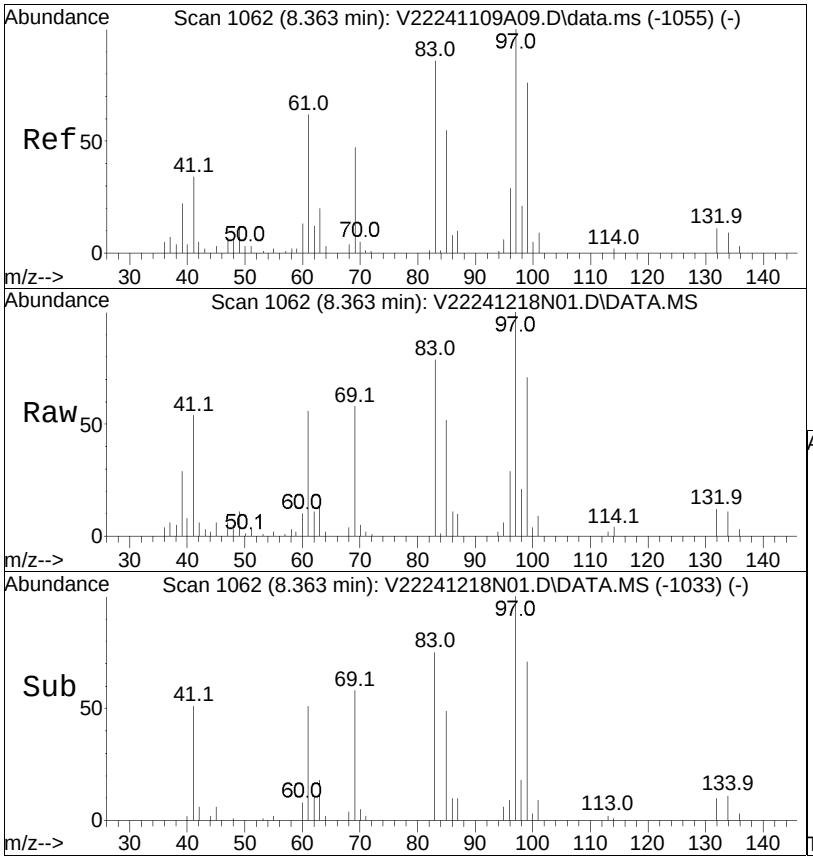


#68
trans-1,3-Dichloropropene
Concen: 8.65 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 75 Resp: 49211

Ion	Ratio	Lower	Upper
75	100		
77	32.2	11.9	51.9
39	60.2	27.4	67.4

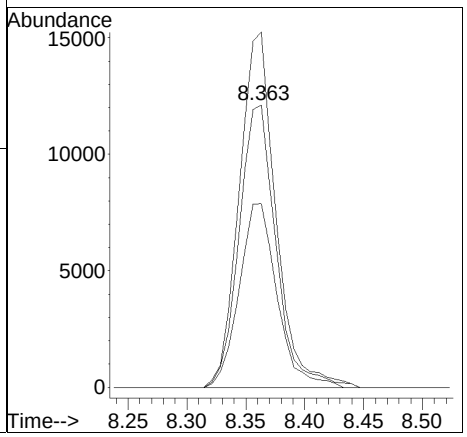


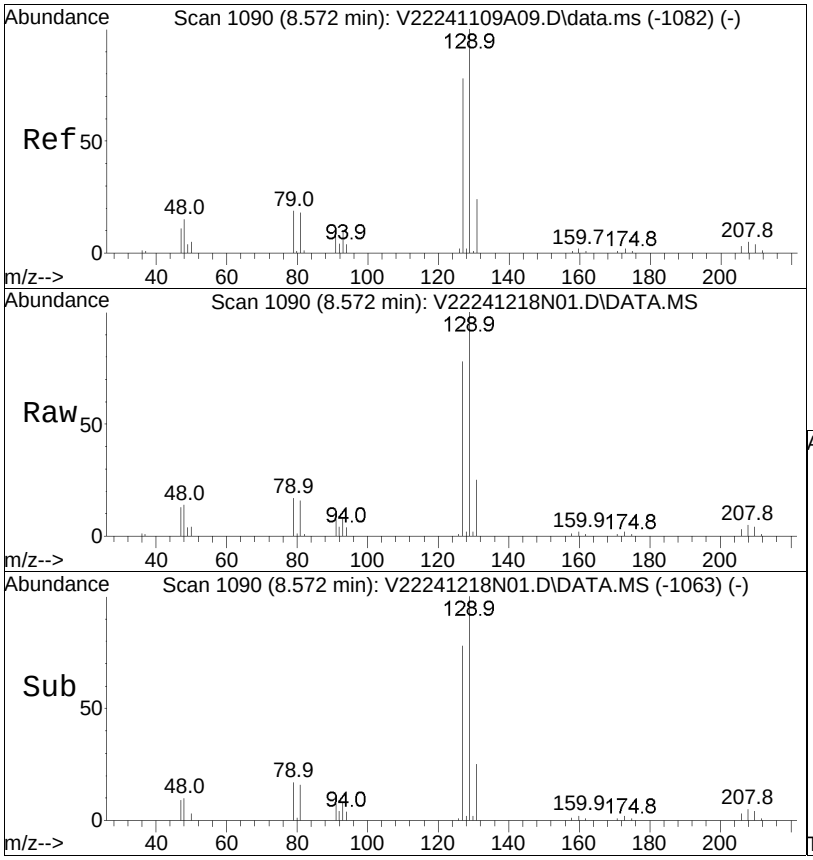


#71
1,1,2-Trichloroethane
Concen: 9.07 ug/L
RT: 8.363 min Scan# 1062
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 83 Resp: 26379

Ion	Ratio	Lower	Upper
83	100		
97	125.0	103.4	143.4
85	67.0	47.9	87.9

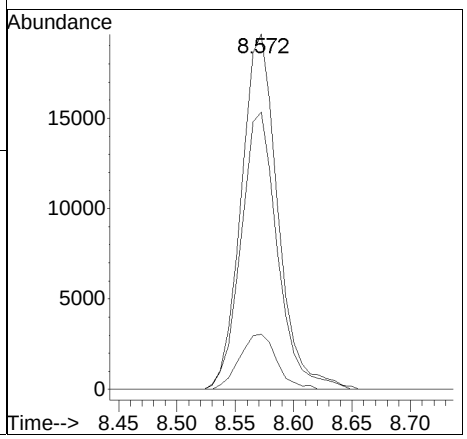


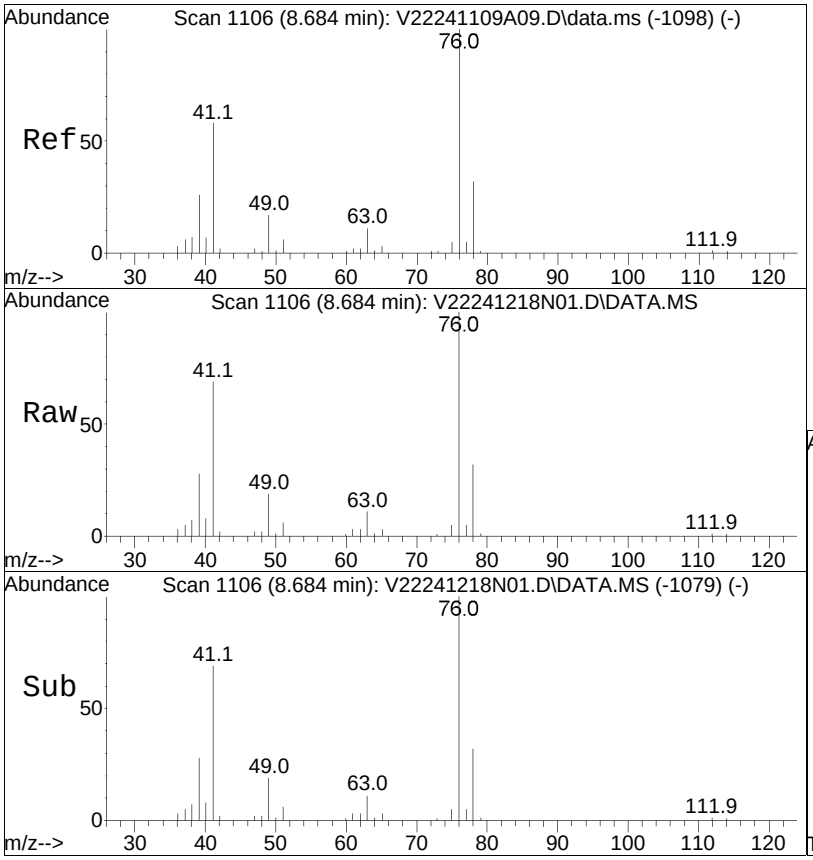


#72
Chlorodibromomethane
Concen: 8.97 ug/L
RT: 8.572 min Scan# 1090
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:129 Resp: 42977

Ion	Ratio	Lower	Upper
129	100		
81	15.8	0.0	33.8
127	77.9	57.1	97.1

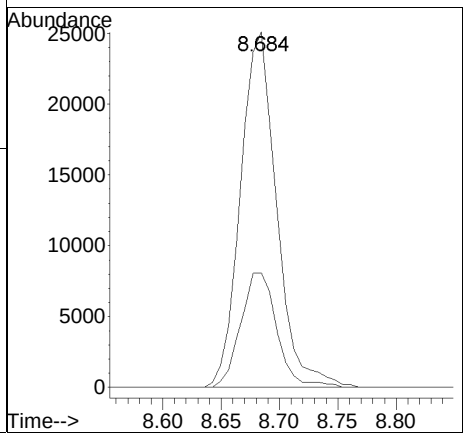


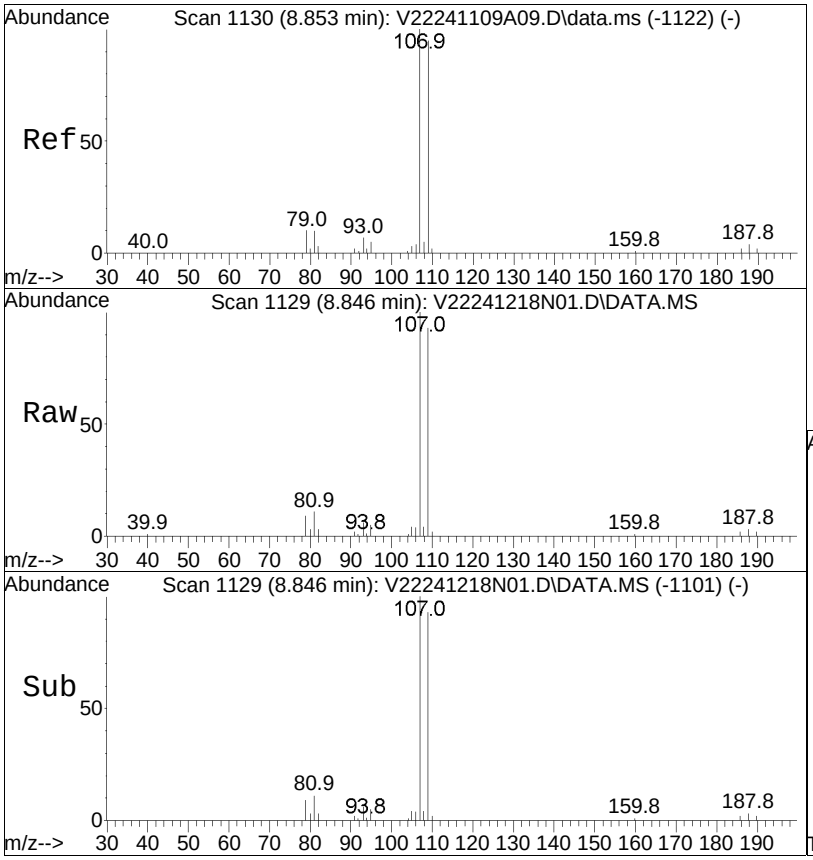


#73
1,3-Dichloropropane
Concen: 9.03 ug/L
RT: 8.684 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 76 Resp: 54110

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

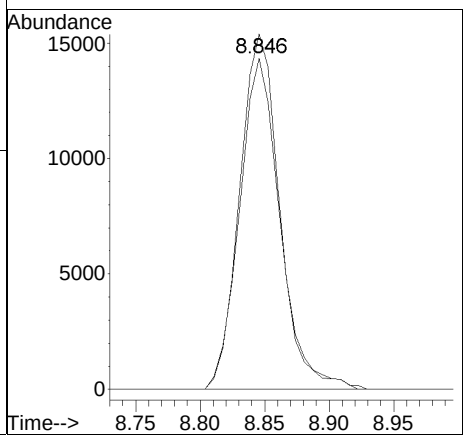


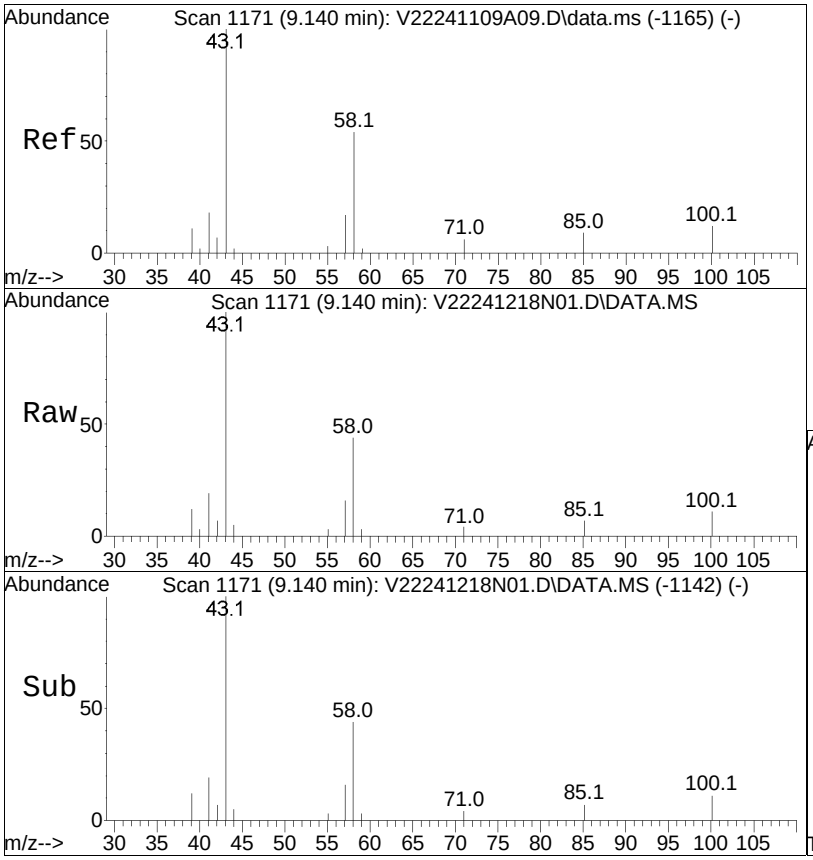


#74
1,2-Dibromoethane
Concen: 9.34 ug/L
RT: 8.846 min Scan# 1129
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:107 Resp: 33419

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.1	112.7

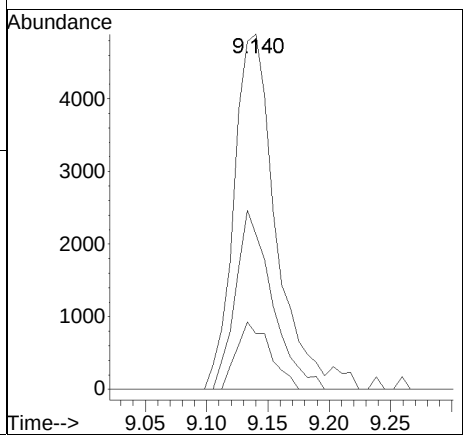


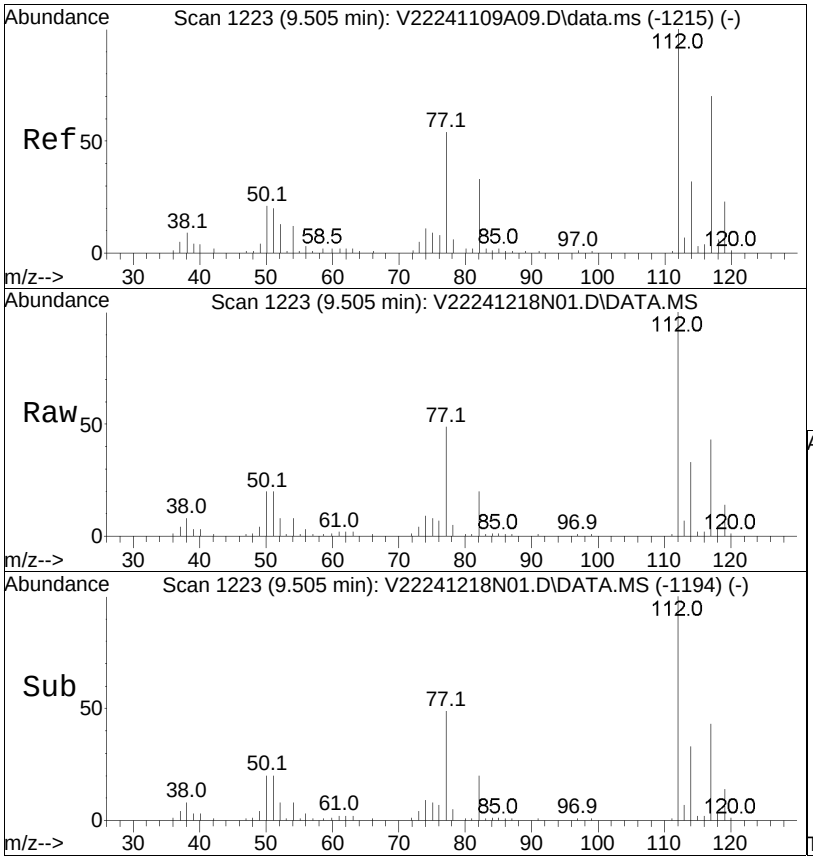


#76
2-Hexanone
Concen: 8.43 ug/L
RT: 9.140 min Scan# 1171
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 43 Resp: 11764

Ion	Ratio	Lower	Upper
43	100		
58	43.7	47.6	71.4#
57	15.1	16.6	24.8#

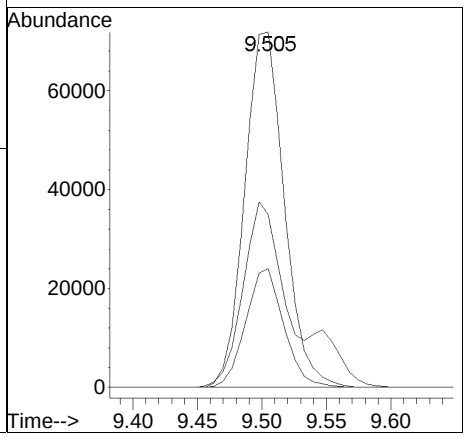


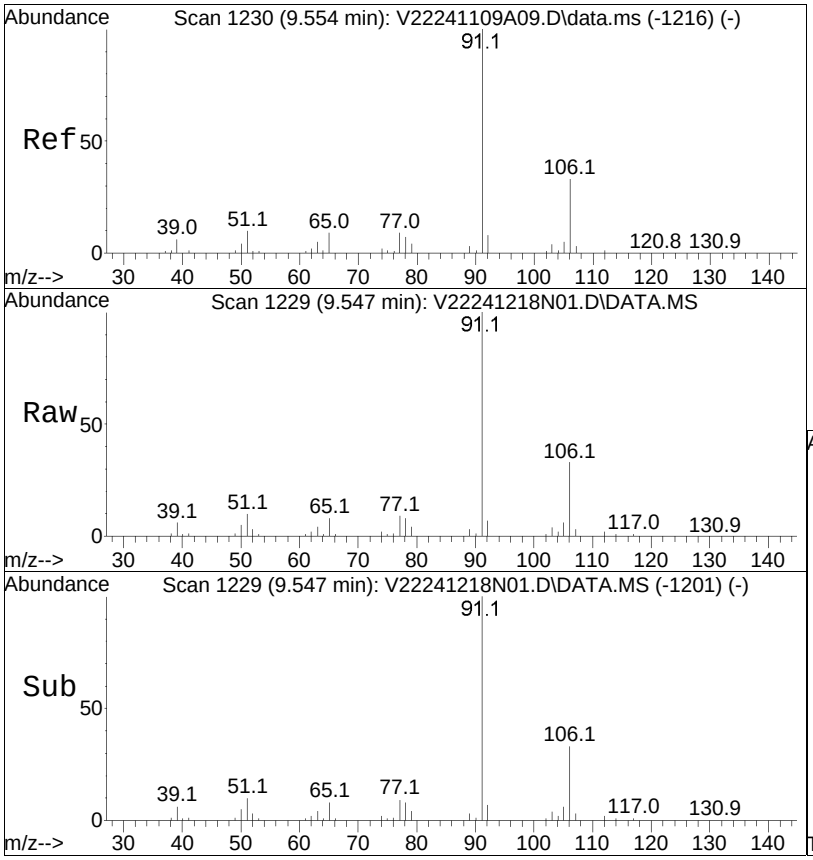


#77
Chlorobenzene
Concen: 10.67 ug/L
RT: 9.505 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:112 Resp: 153576

Ion	Ratio	Lower	Upper
112	100		
77	53.1	55.4	83.0#
114	32.2	26.2	39.4

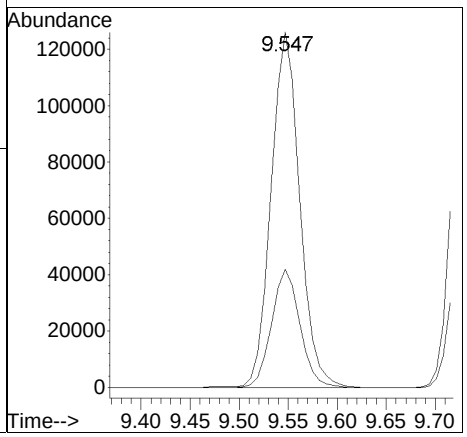


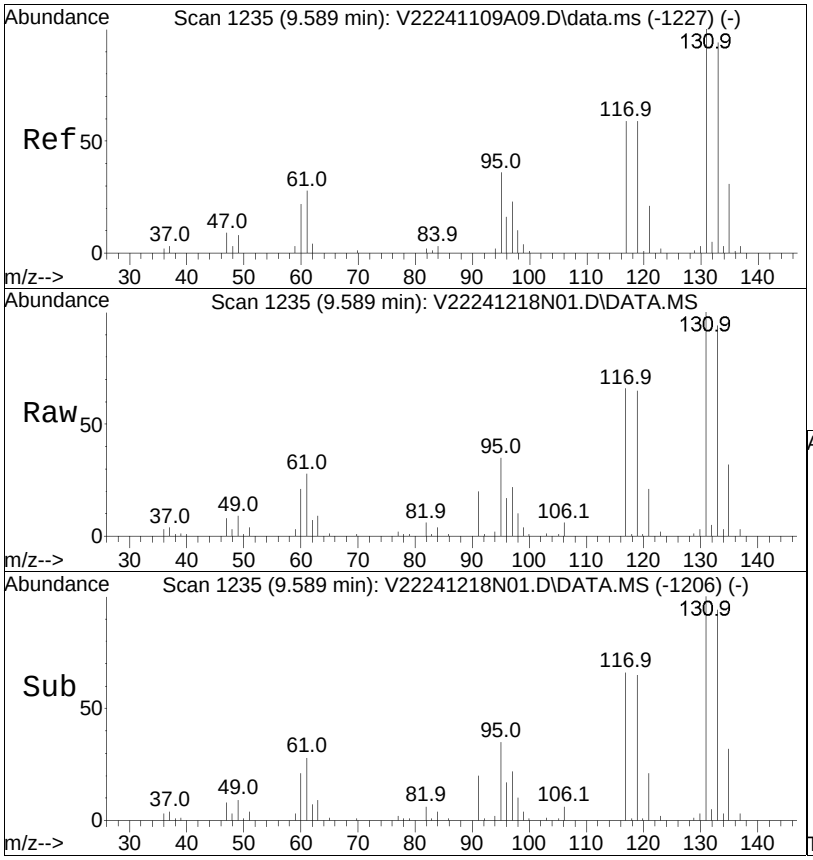


#78
Ethylbenzene
Concen: 10.31 ug/L
RT: 9.547 min Scan# 1229
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 91 Resp: 255596

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.6

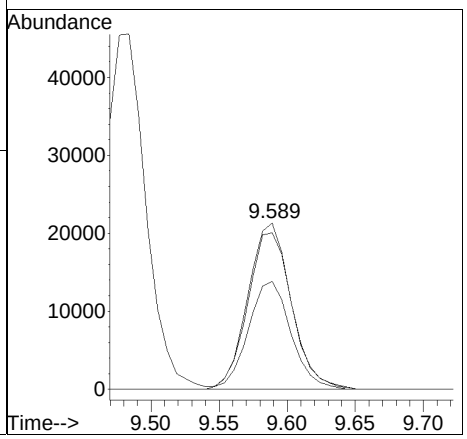


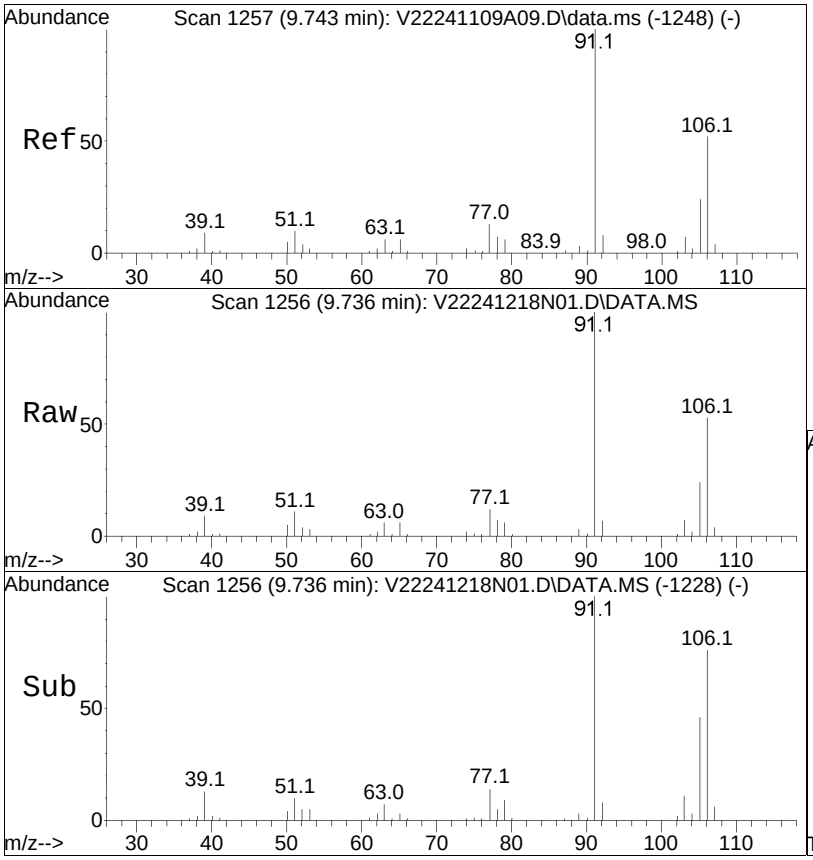


#79
1,1,1,2-Tetrachloroethane
Concen: 9.70 ug/L
RT: 9.589 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:131 Resp: 47298

Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.3	115.3
119	64.0	49.3	89.3

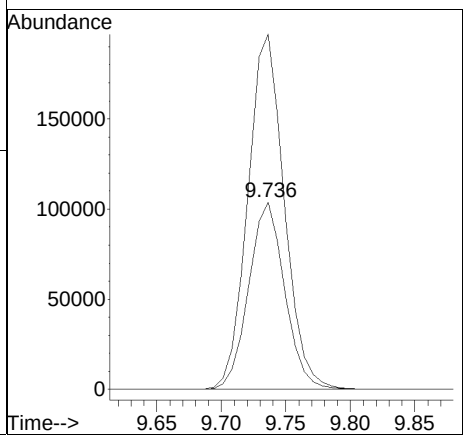


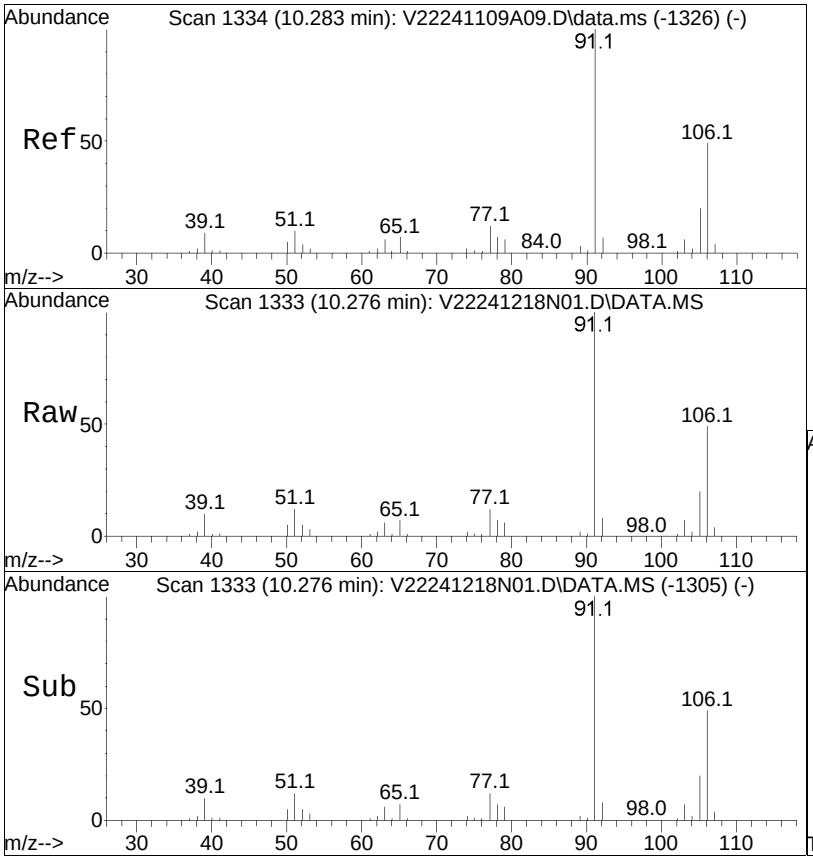


#80
p/m Xylene
Concen: 19.71 ug/L
RT: 9.736 min Scan# 1256
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:106 Resp: 201509

Ion	Ratio	Lower	Upper
106	100		
91	192.0	156.0	234.0

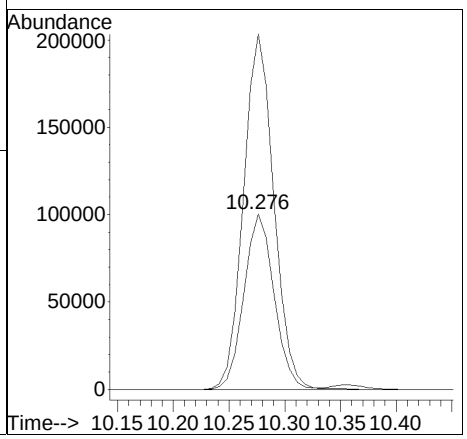


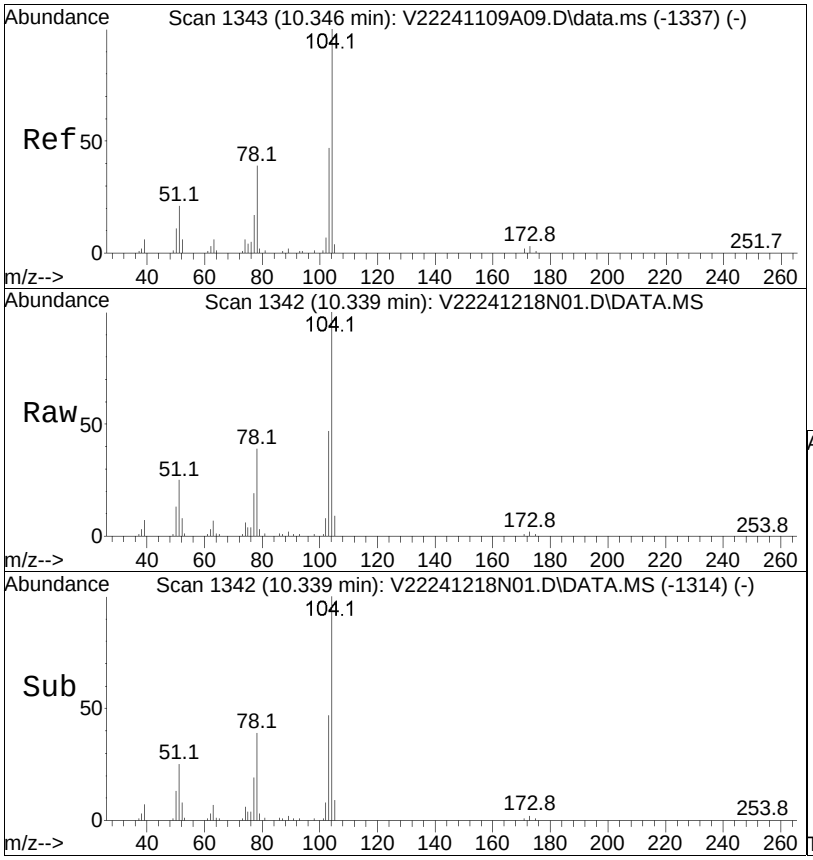


#81
o Xylene
Concen: 19.45 ug/L
RT: 10.276 min Scan# 1333
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:106 Resp: 189611

Ion	Ratio	Lower	Upper
106	100		
91	202.3	164.0	246.0

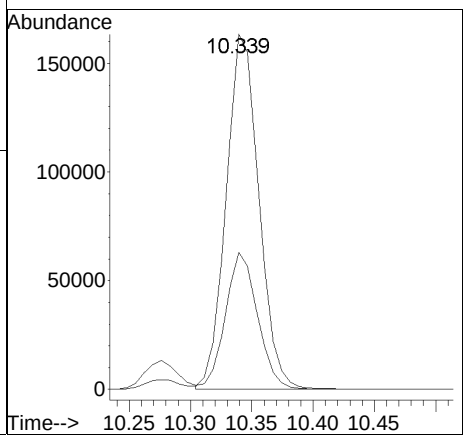


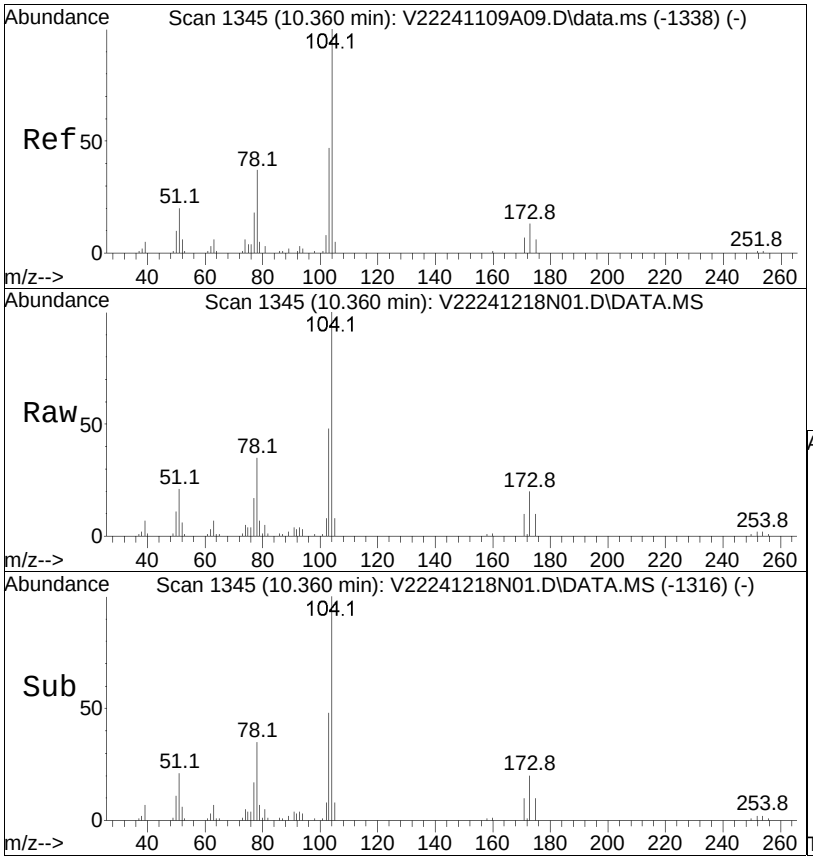


#82
Styrene
Concen: 19.38 ug/L
RT: 10.339 min Scan# 1342
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:104 Resp: 303751

Ion	Ratio	Lower	Upper
104	100		
78	37.9	32.1	48.1

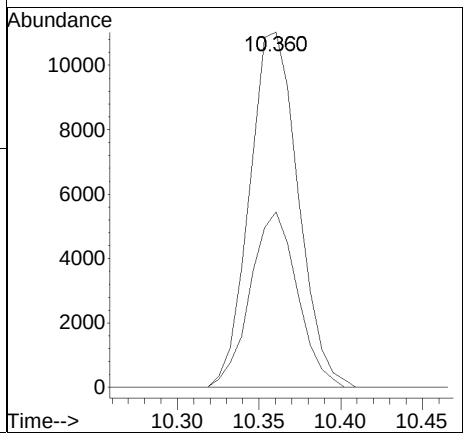


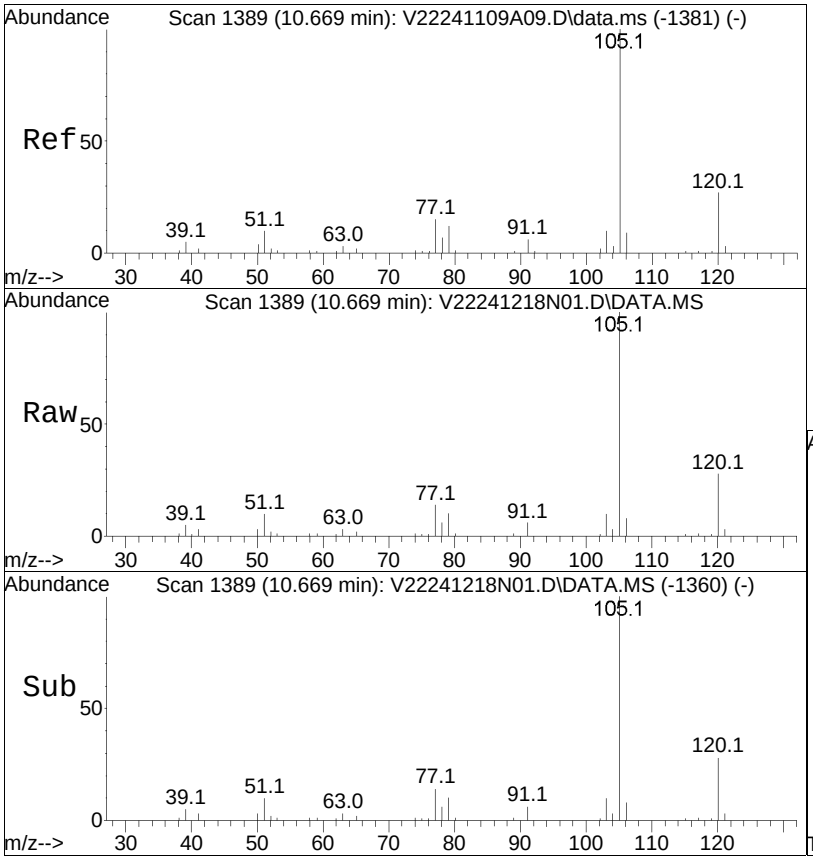


#84
Bromoform
Concen: 8.40 ug/L
RT: 10.360 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:173 Resp: 22873

Ion	Ratio	Lower	Upper
173	100		
175	47.8	29.3	69.3

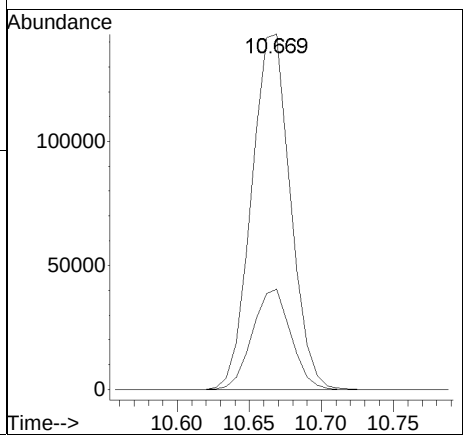


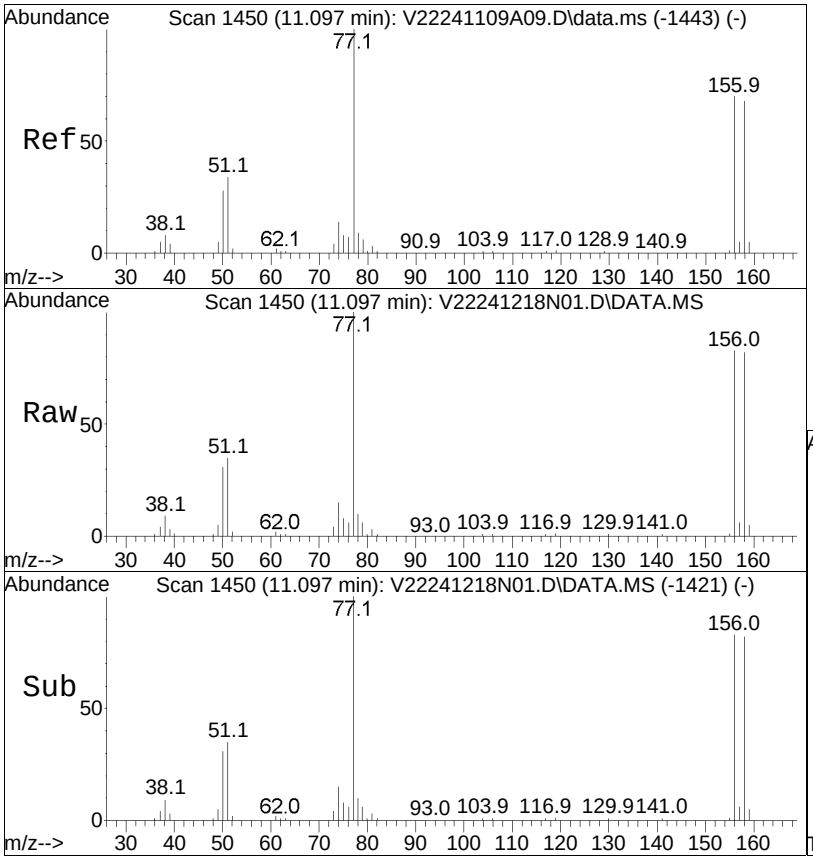


#86
Isopropylbenzene
Concen: 10.38 ug/L
RT: 10.669 min Scan# 1389
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:105 Resp: 268232

Ion	Ratio	Lower	Upper
105	100		
120	27.9	7.7	47.7

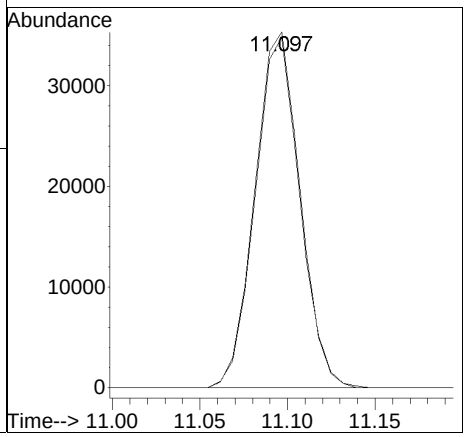


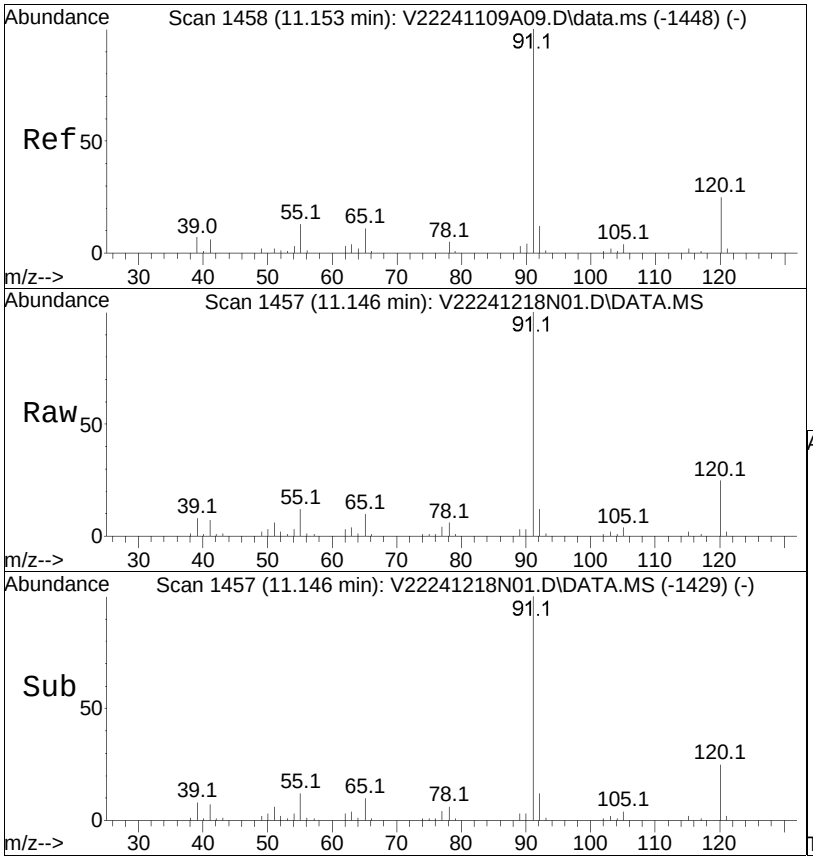


#88
Bromobenzene
Concen: 10.41 ug/L
RT: 11.097 min Scan# 1450
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:156 Resp: 63132

Ion	Ratio	Lower	Upper
156	100		
158	97.3	77.9	116.9

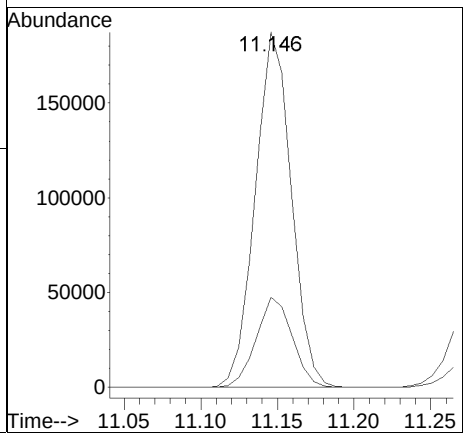


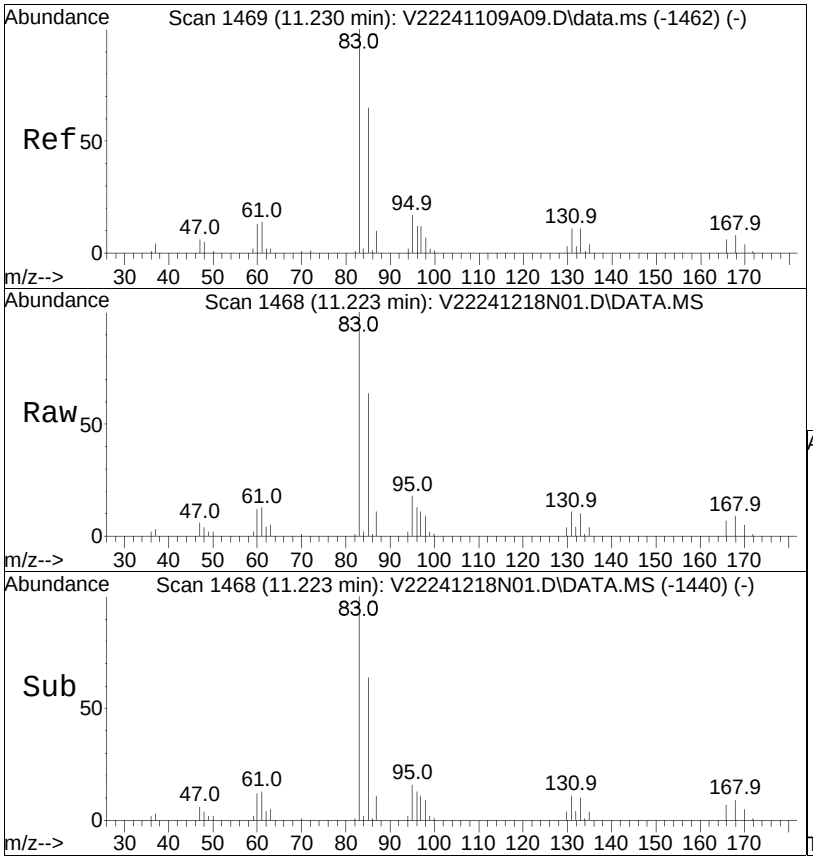


#89
n-Propylbenzene
Concen: 10.22 ug/L
RT: 11.146 min Scan# 1457
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 91 Resp: 306855

Ion	Ratio	Lower	Upper
91	100		
120	25.4	19.5	29.3

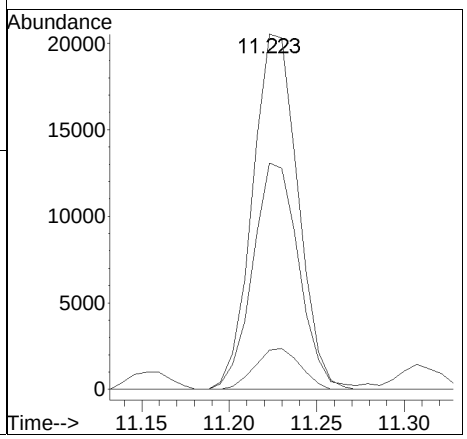


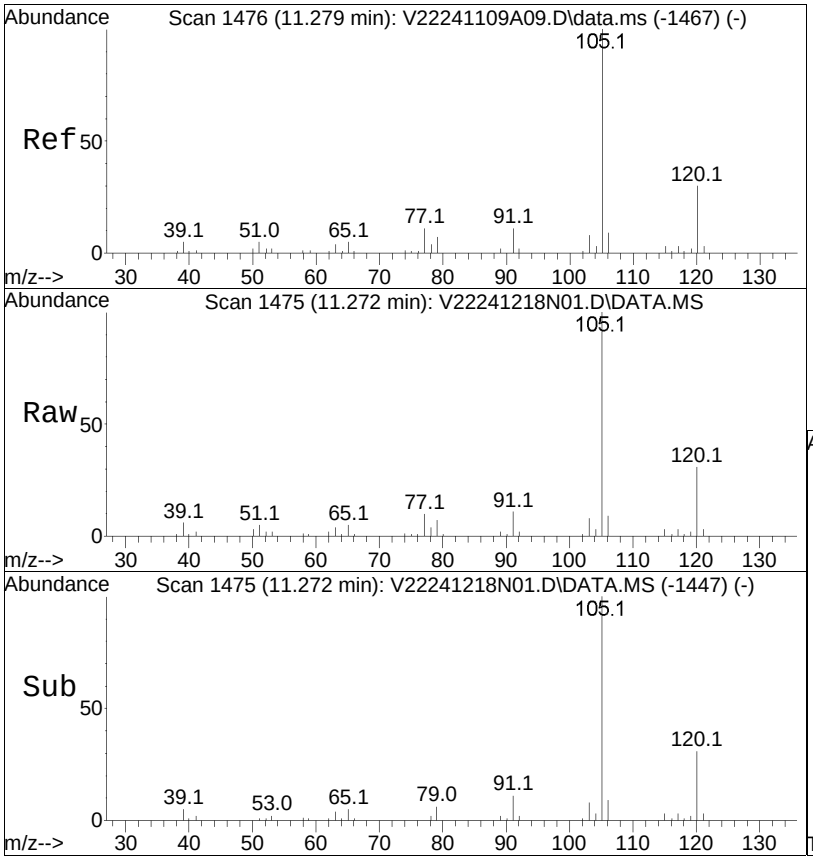


#91
1,1,2,2-Tetrachloroethane
Concen: 9.17 ug/L
RT: 11.223 min Scan# 1468
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 83 Resp: 36896

Ion	Ratio	Lower	Upper
83	100		
131	11.6	0.0	30.8
85	65.0	45.4	85.4

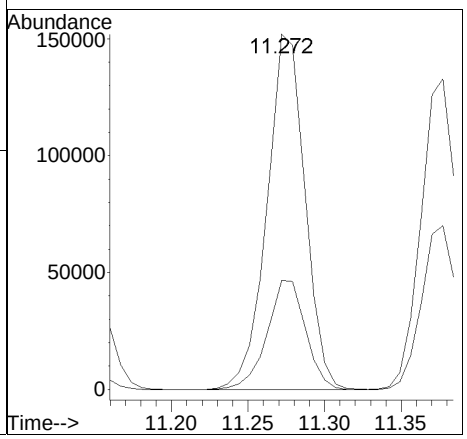


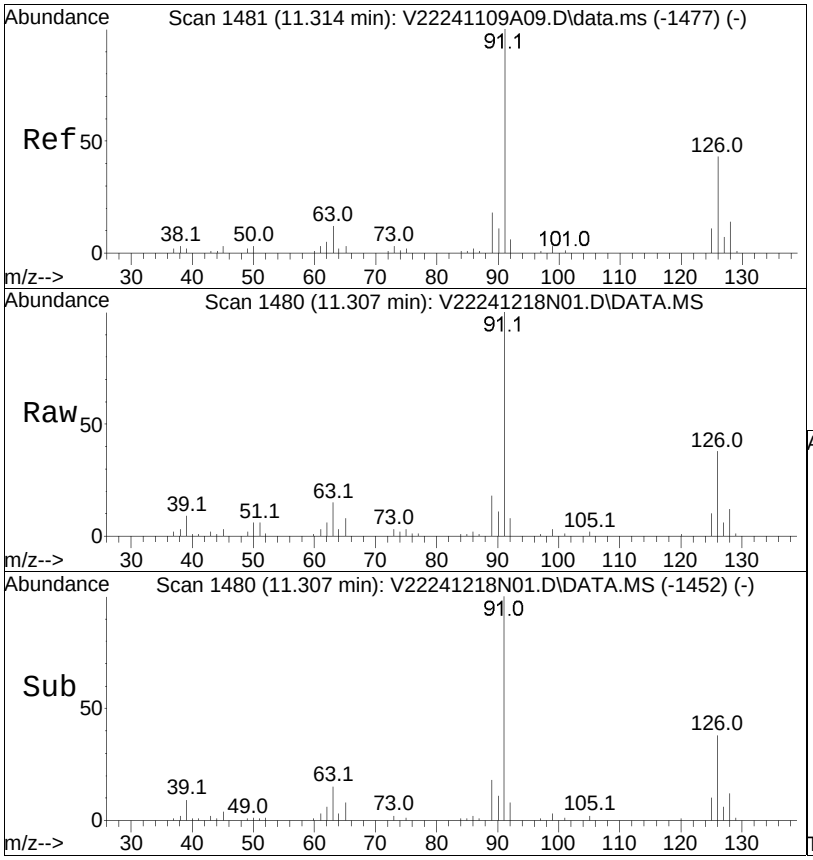


#92
4-Ethyltoluene
Concen: 10.38 ug/L
RT: 11.272 min Scan# 1475
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:105 Resp: 261696

Ion	Ratio	Lower	Upper
105	100		
120	31.1	19.8	41.0

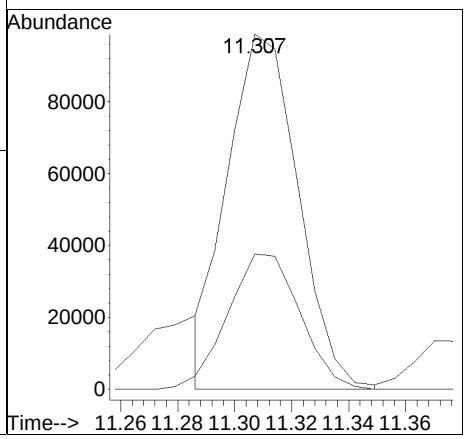


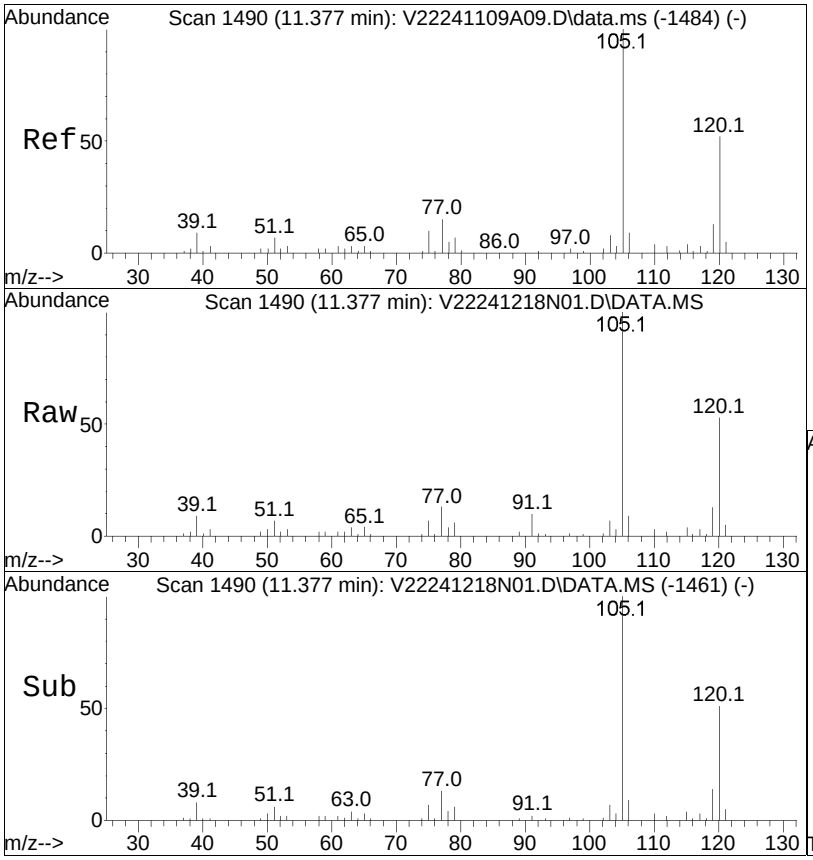


#93
2-Chlorotoluene
Concen: 9.99 ug/L M6
RT: 11.307 min Scan# 1480
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 91 Resp: 170809

Ion	Ratio	Lower	Upper
91	100		
126	39.0	24.6	37.0#

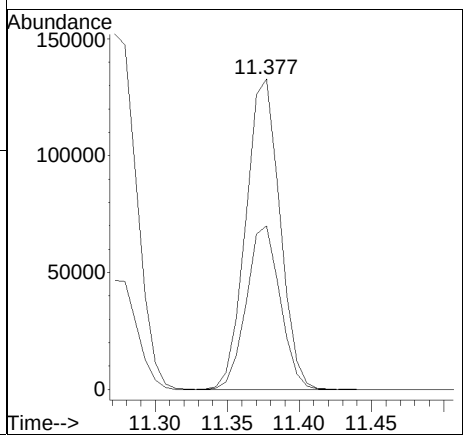


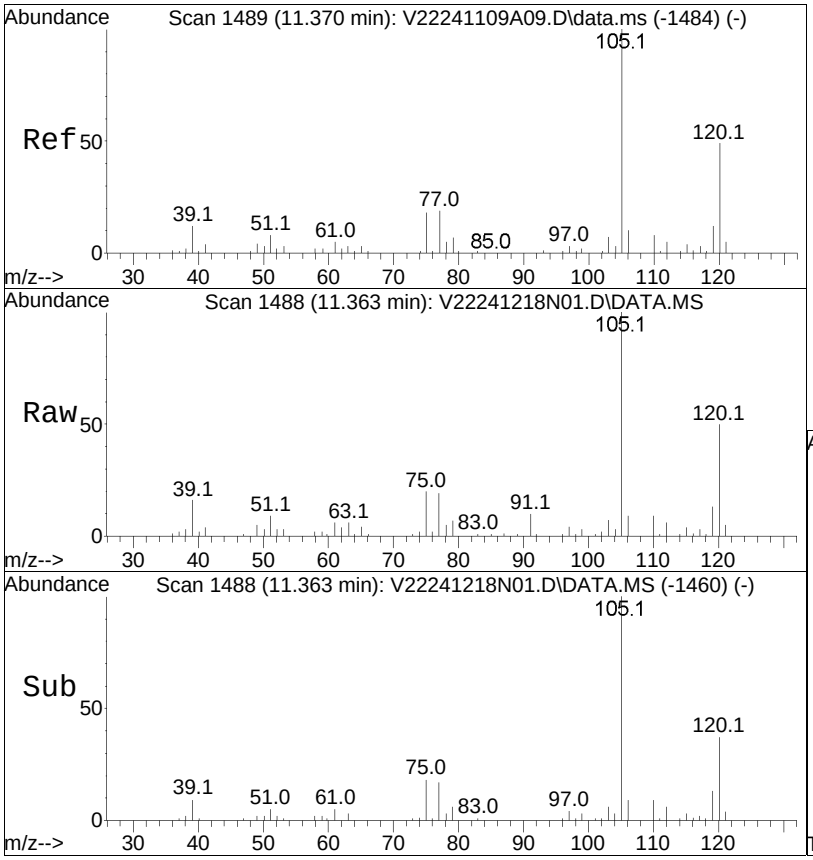


#94
1,3,5-Trimethylbenzene
Concen: 9.96 ug/L
RT: 11.377 min Scan# 1490
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:105 Resp: 218637

Ion	Ratio	Lower	Upper
105	100		
120	52.1	40.9	61.3

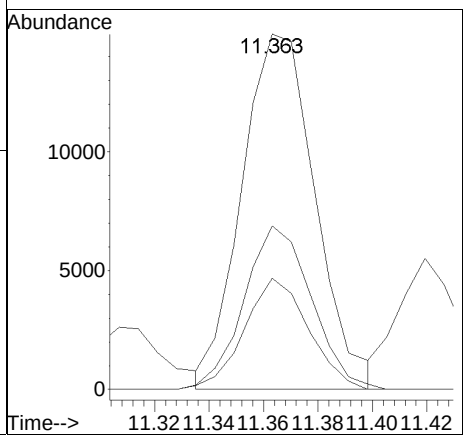


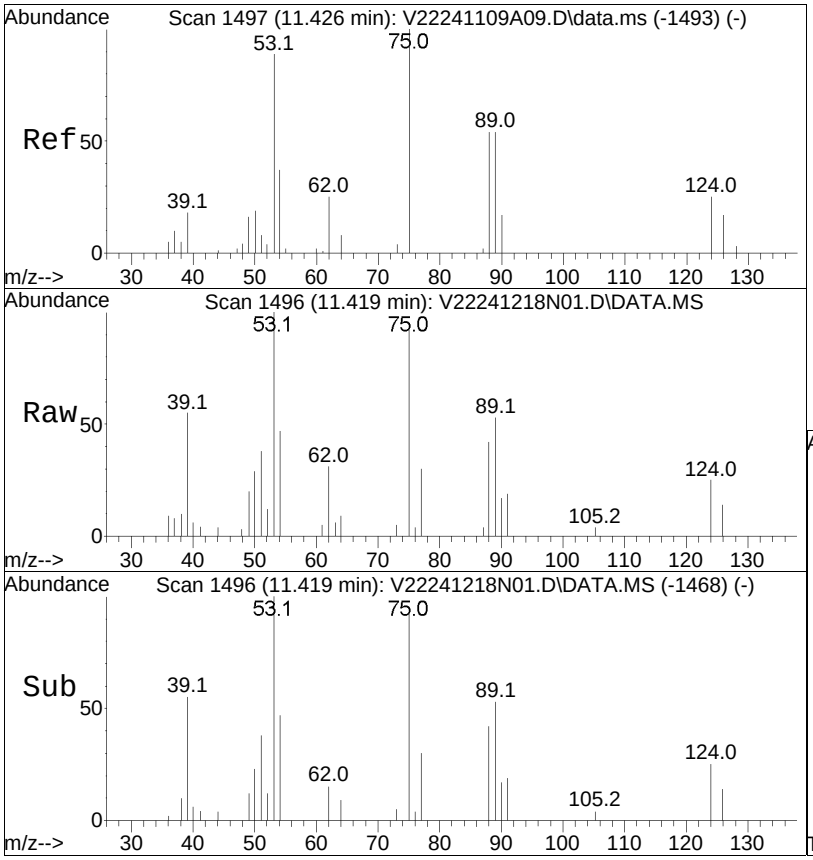


#95
1,2,3-Trichloropropane
Concen: 8.71 ug/L
RT: 11.363 min Scan# 1488
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 75 Resp: 28048

Ion	Ratio	Lower	Upper
75	100		
110	42.2	26.3	54.7
112	27.3	16.8	35.0

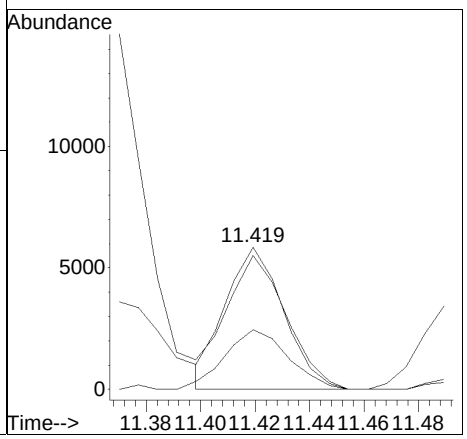


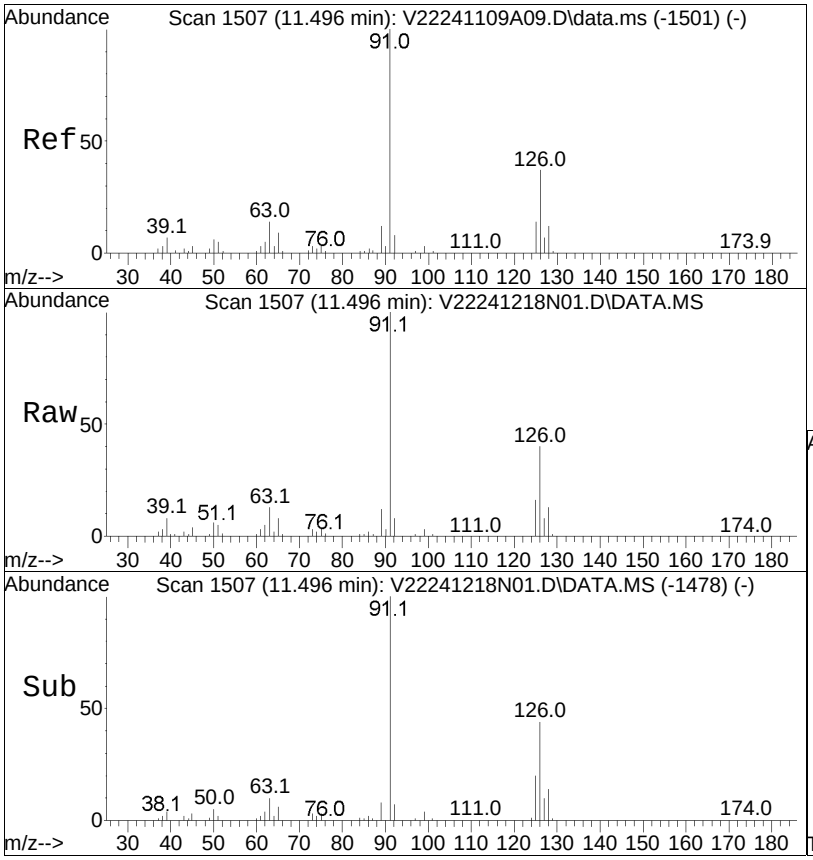


#96
trans-1,4-Dichloro-2-butene
Concen: 8.61 ug/L
RT: 11.419 min Scan# 1496
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 53 Resp: 8717

Ion	Ratio	Lower	Upper
53	100		
88	45.9	46.3	69.5#
75	97.1	109.0	163.4#

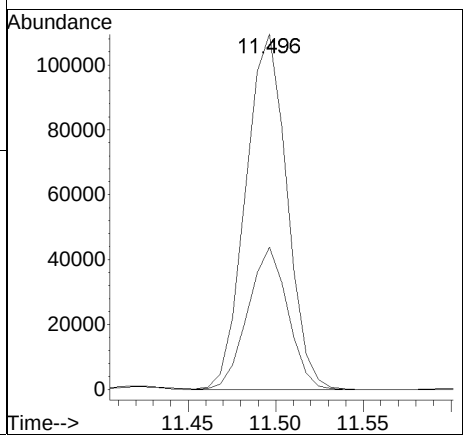


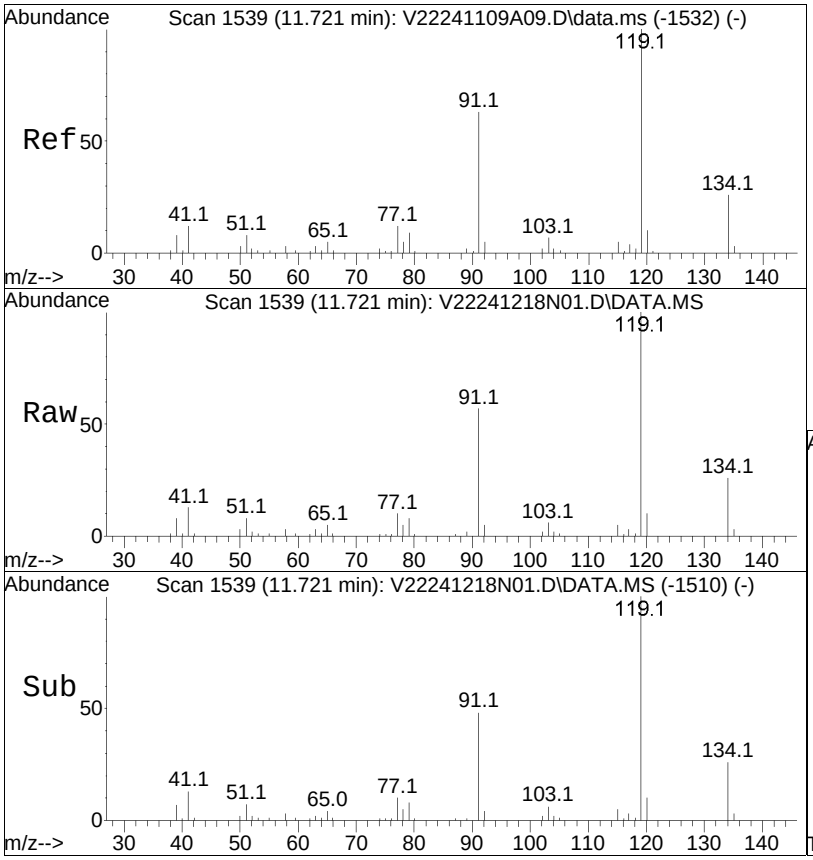


#97
4-Chlorotoluene
Concen: 10.08 ug/L
RT: 11.496 min Scan# 1507
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 91 Resp: 179547

Ion	Ratio	Lower	Upper
91	100		
126	38.7	28.5	42.7

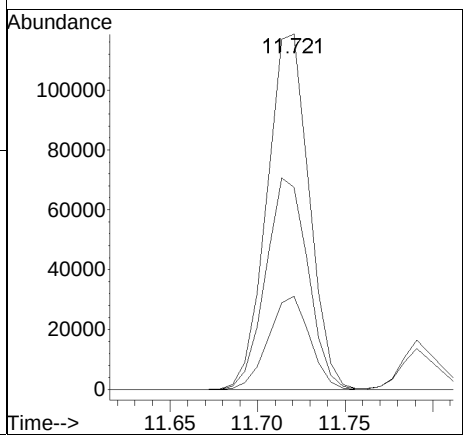


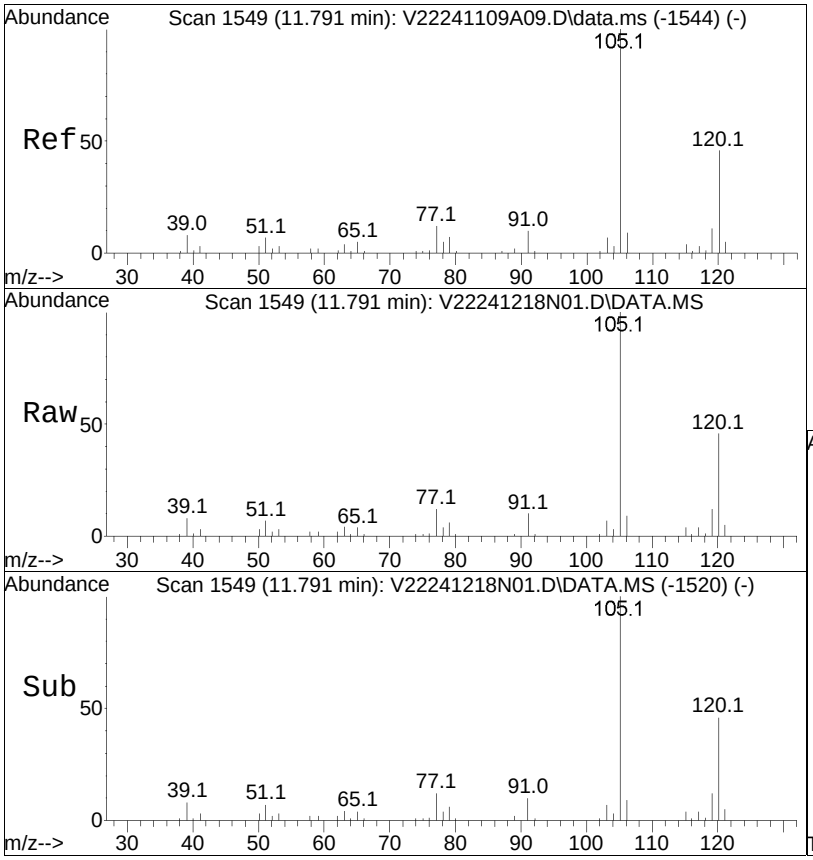


#98
tert-Butylbenzene
Concen: 10.54 ug/L
RT: 11.721 min Scan# 1539
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:119 Resp: 198936

Ion	Ratio	Lower	Upper
119	100		
91	59.6	50.2	75.4
134	25.6	20.8	31.2

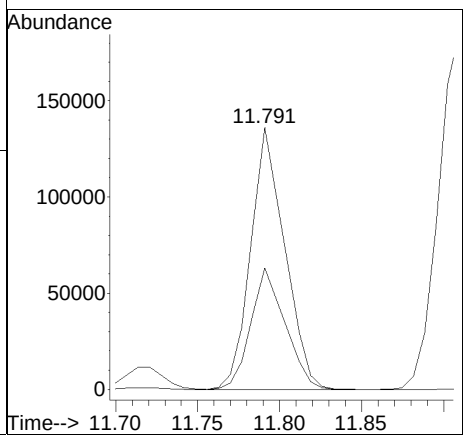


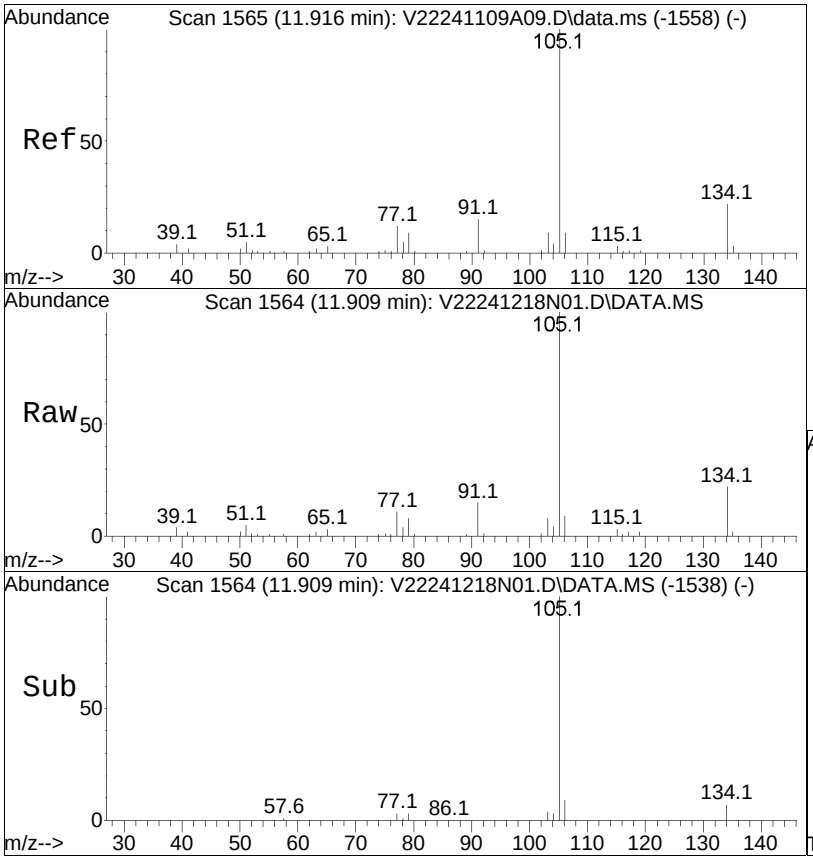


#101
1,2,4-Trimethylbenzene
Concen: 11.75 ug/L
RT: 11.791 min Scan# 1549
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:105 Resp: 146505

Ion	Ratio	Lower	Upper
105	100		
120	47.7	38.5	57.7

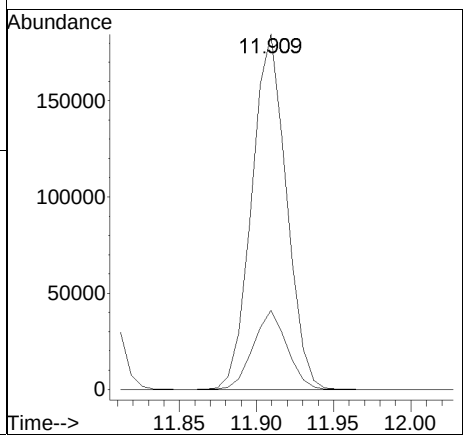


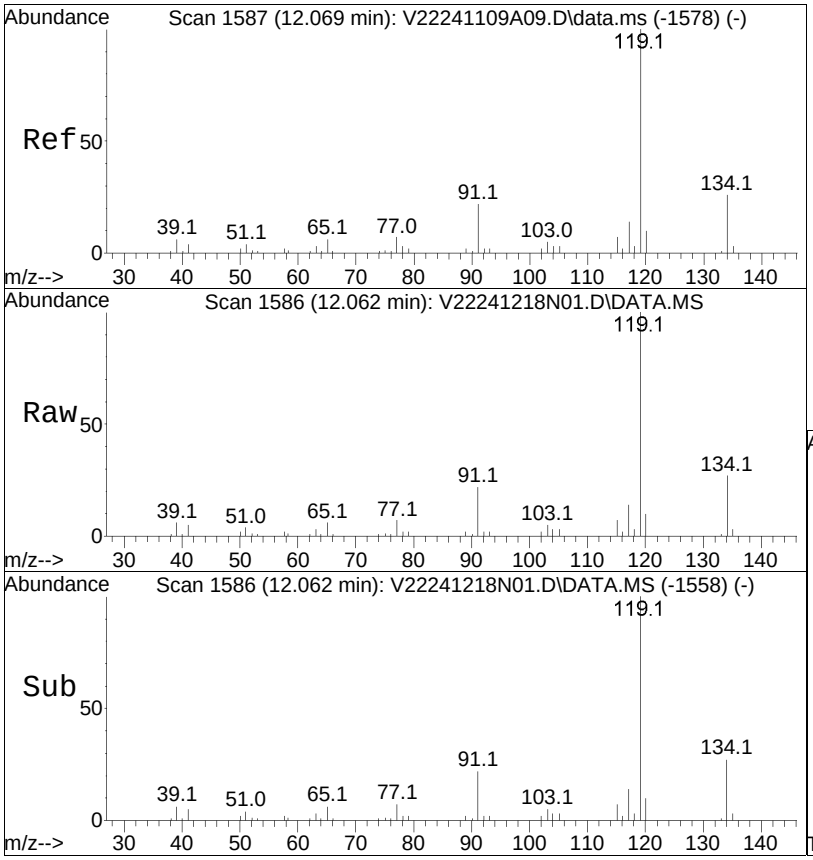


#102
sec-Butylbenzene
Concen: 10.77 ug/L
RT: 11.909 min Scan# 1564
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:105 Resp: 287780

Ion	Ratio	Lower	Upper
105	100		
134	21.6	13.9	28.9

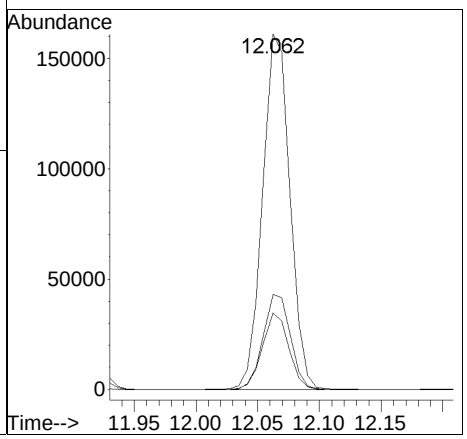


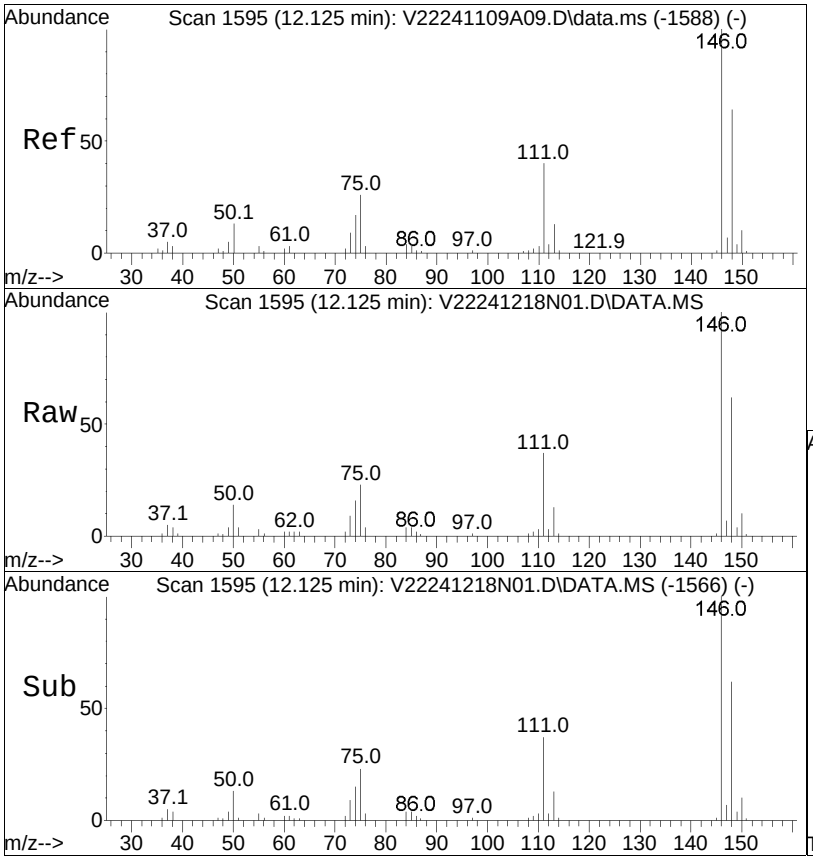


#103
p-Isopropyltoluene
Concen: 10.60 ug/L
RT: 12.062 min Scan# 1586
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:119 Resp: 247754

Ion	Ratio	Lower	Upper
119	100		
134	26.7	17.7	36.7
91	20.8	14.1	29.3

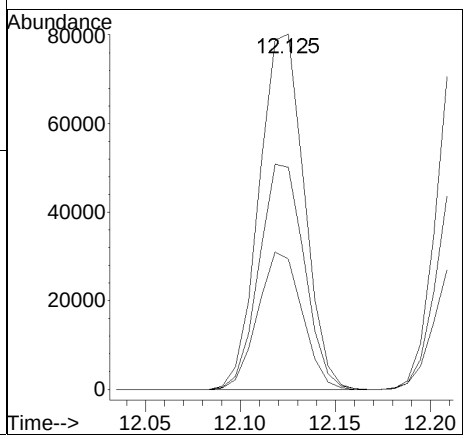


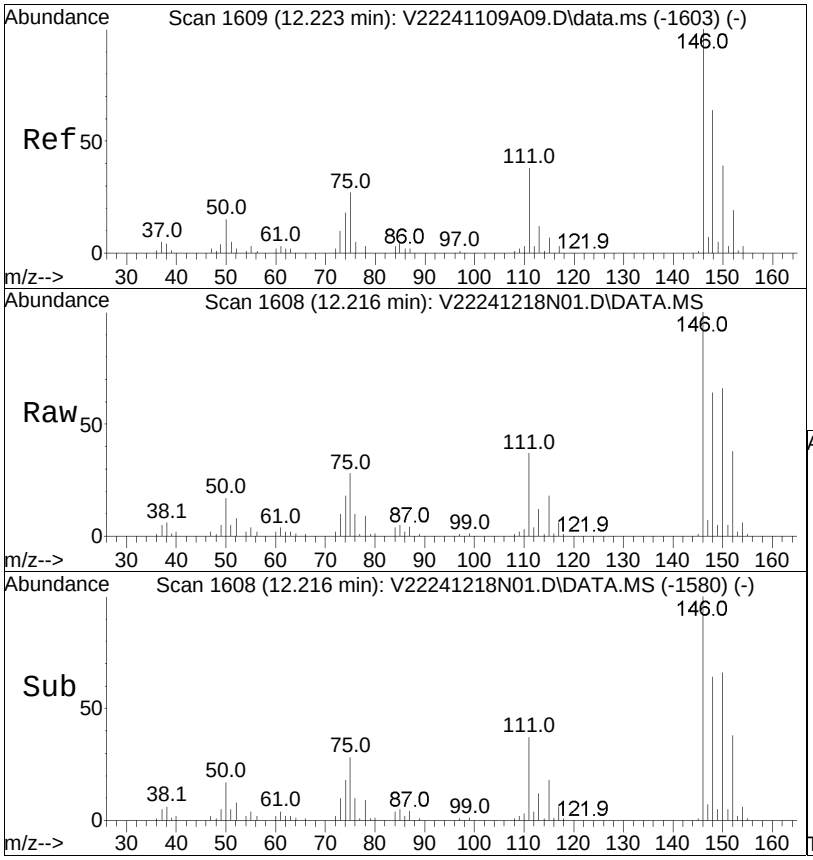


#104
1,3-Dichlorobenzene
Concen: 10.73 ug/L
RT: 12.125 min Scan# 1595
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:146 Resp: 131900

Ion	Ratio	Lower	Upper
146	100		
111	38.2	24.0	49.8
148	63.6	41.8	86.8

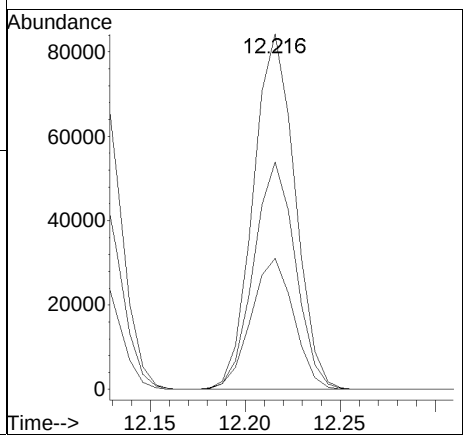


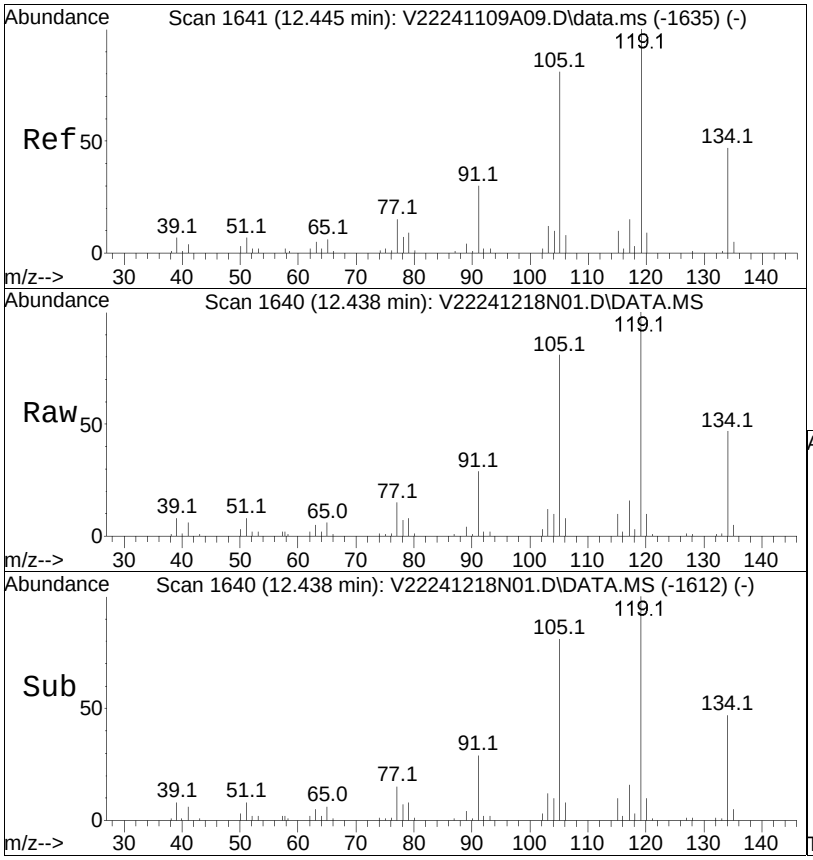


#105
1,4-Dichlorobenzene
Concen: 10.51 ug/L
RT: 12.216 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:146 Resp: 129128

Ion	Ratio	Lower	Upper
146	100		
111	37.8	28.9	43.3
148	64.0	51.4	77.2

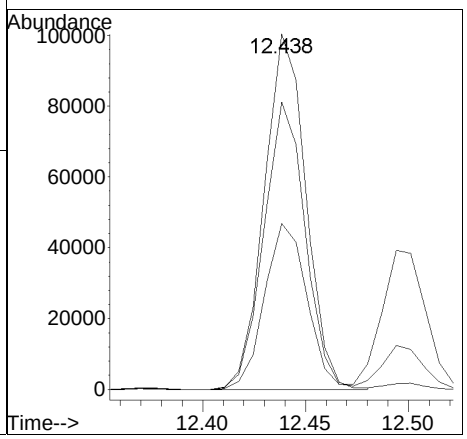


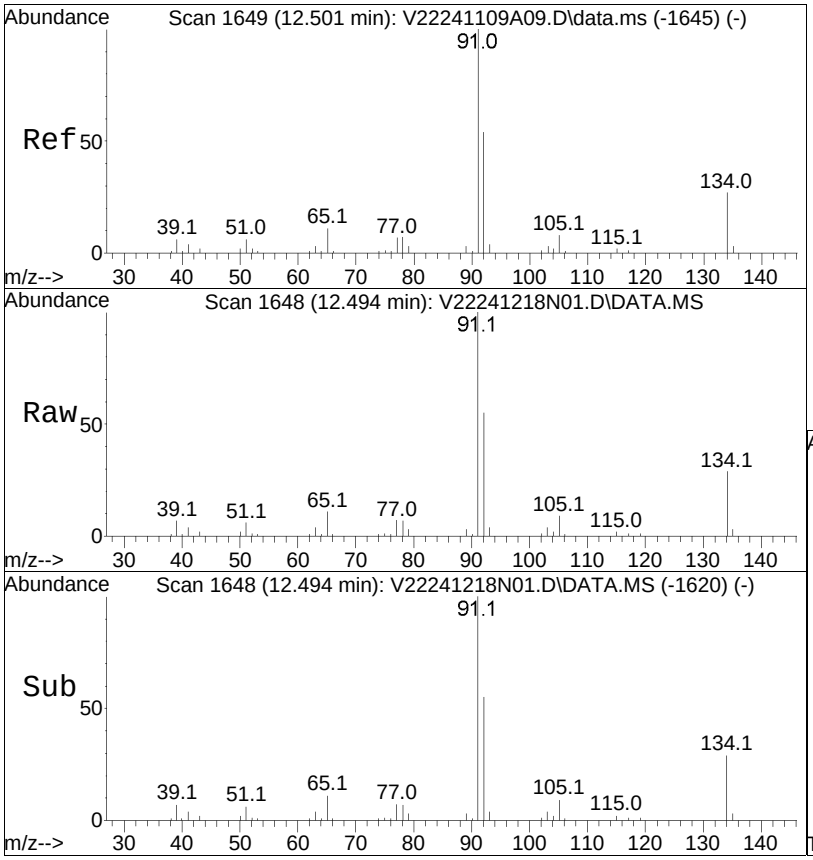


#106
p-Diethylbenzene
Concen: 10.47 ug/L
RT: 12.438 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:119 Resp: 141239

Ion	Ratio	Lower	Upper
119	100		
105	80.5	53.4	110.8
134	47.5	30.9	64.1

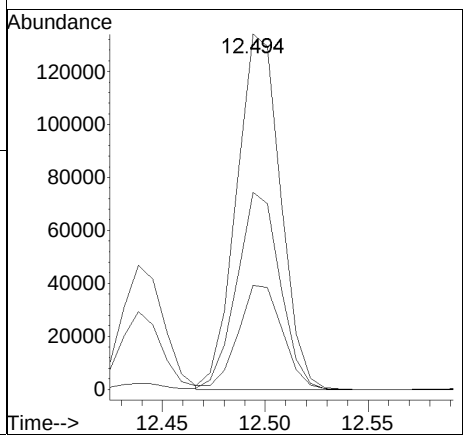


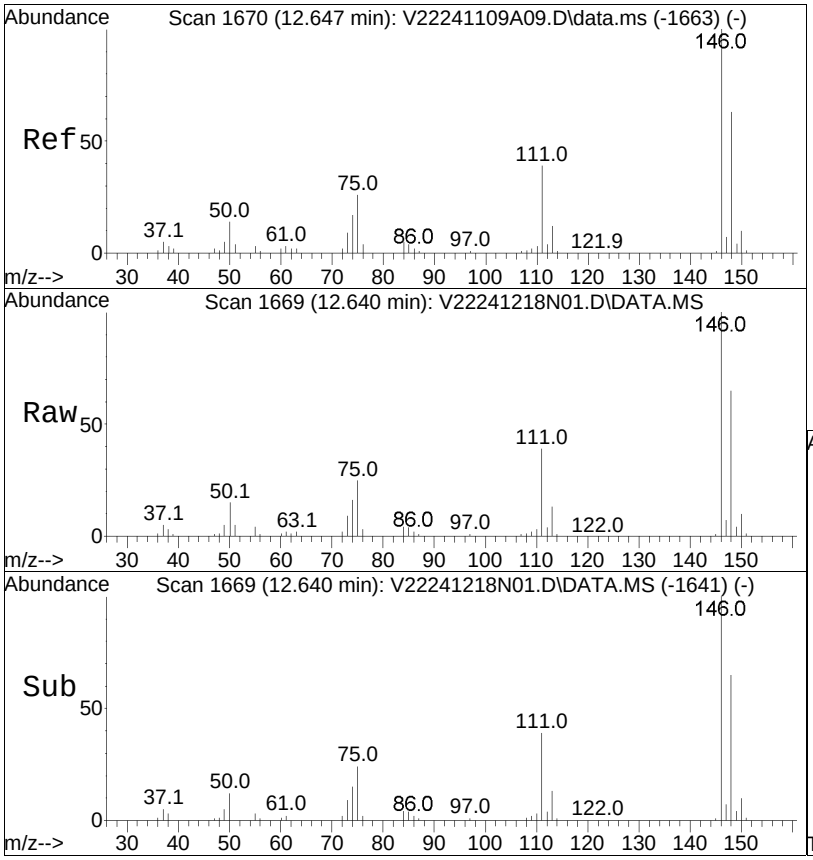


#107
n-Butylbenzene
Concen: 10.75 ug/L
RT: 12.494 min Scan# 1648
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion: 91 Resp: 199869

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.6	66.8
134	29.4	22.9	34.3

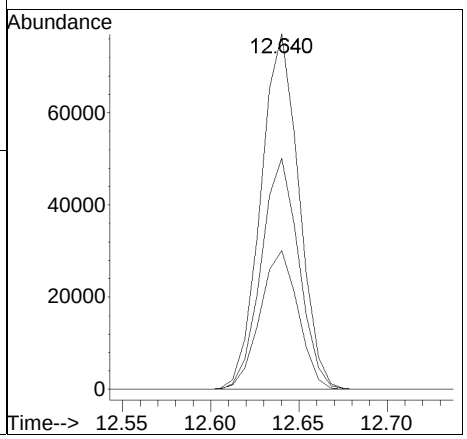


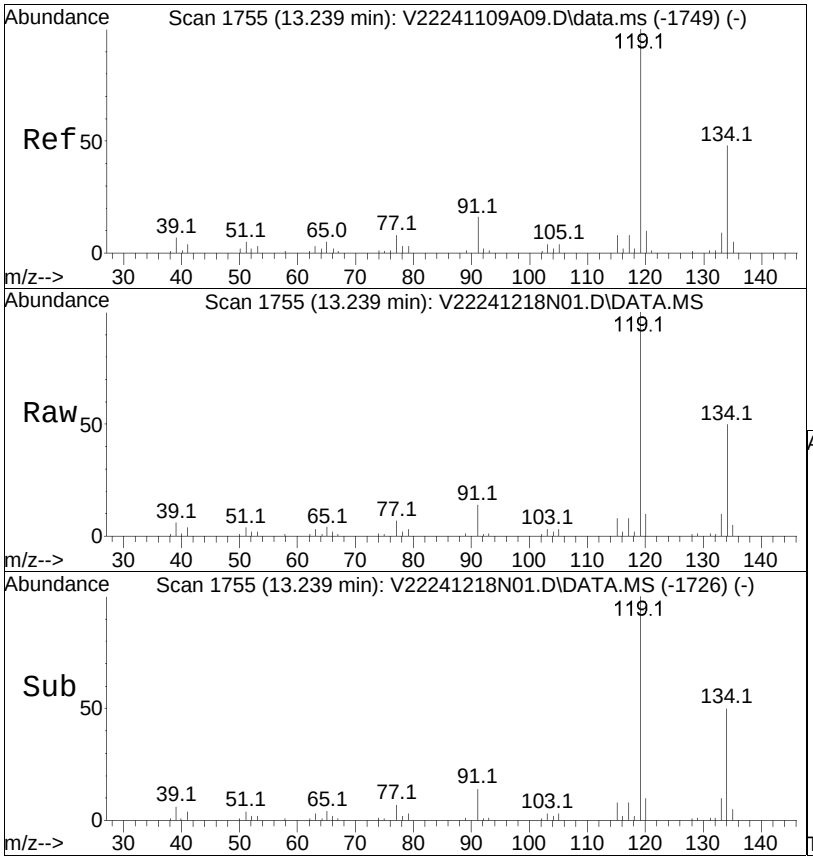


#108
1,2-Dichlorobenzene
Concen: 10.59 ug/L
RT: 12.640 min Scan# 1669
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:146 Resp: 116176

Ion	Ratio	Lower	Upper
146	100		
111	39.0	24.8	51.6
148	64.2	42.2	87.6

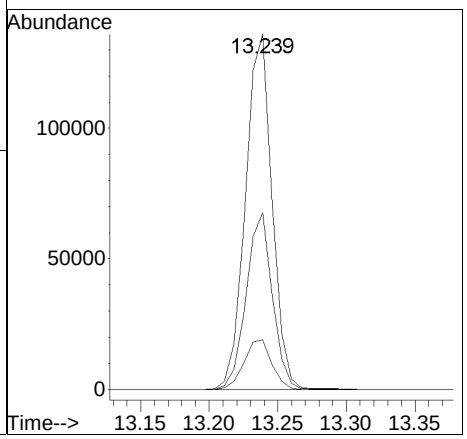


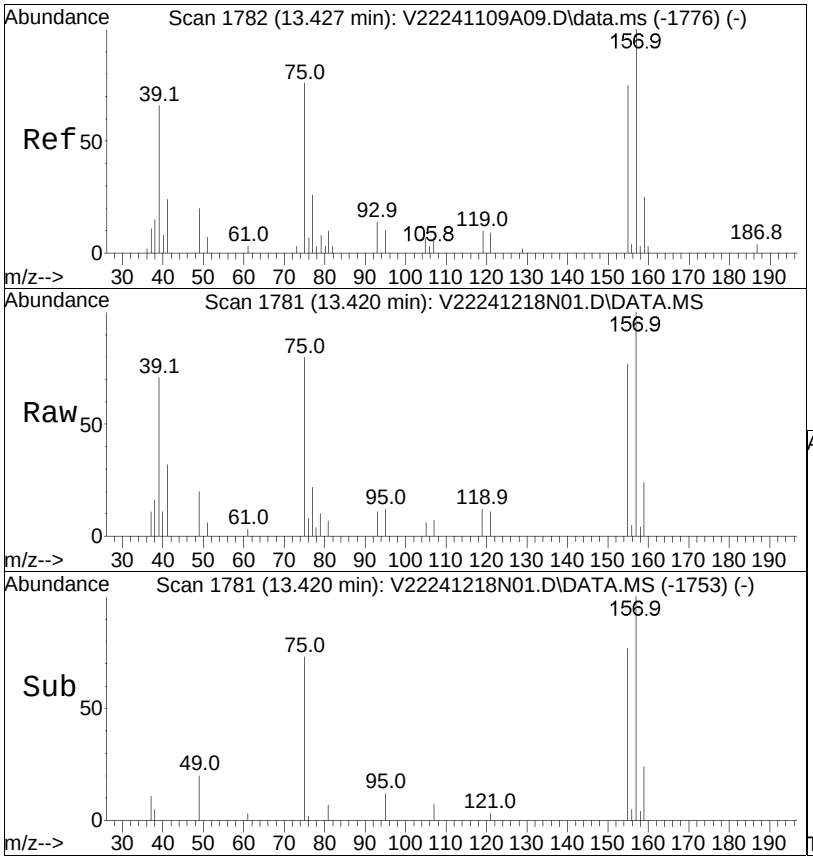


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.94 ug/L
RT: 13.239 min Scan# 1755
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:119 Resp: 183488

Ion	Ratio	Lower	Upper
119	100		
134	48.9	31.9	66.1
91	14.5	9.8	20.3

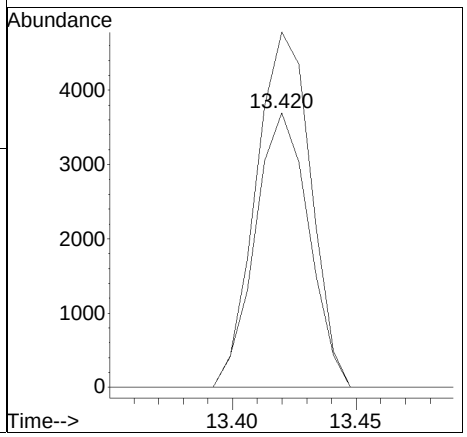


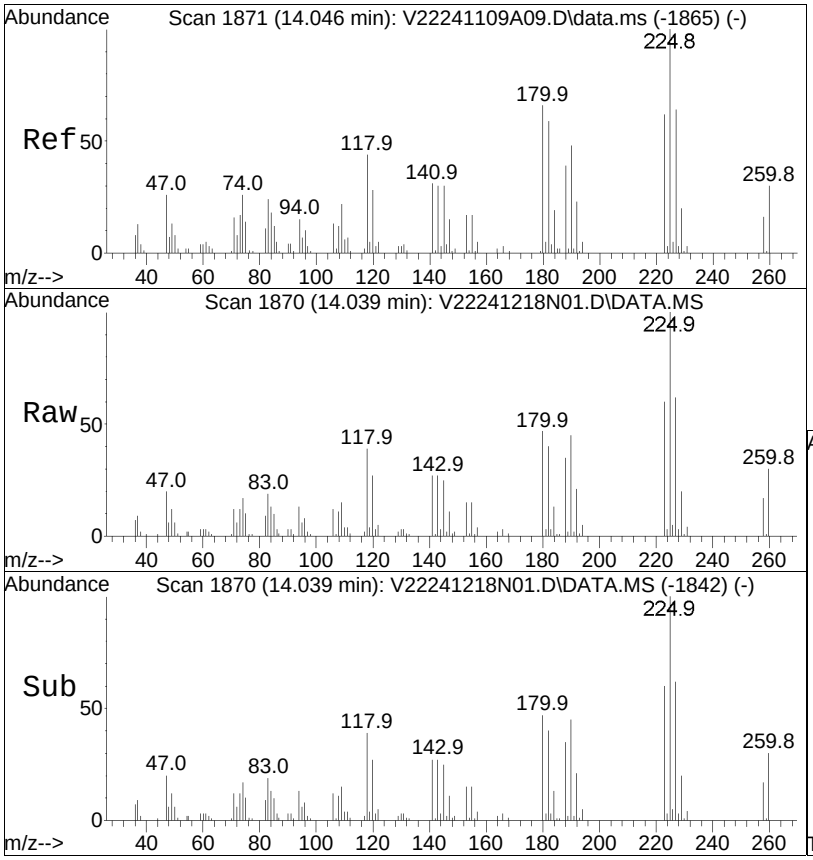


#110
1,2-Dibromo-3-chloropropane
Concen: 8.96 ug/L
RT: 13.420 min Scan# 1781
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:155 Resp: 5613

Ion	Ratio	Lower	Upper
155	100		
157	131.7	102.3	153.5

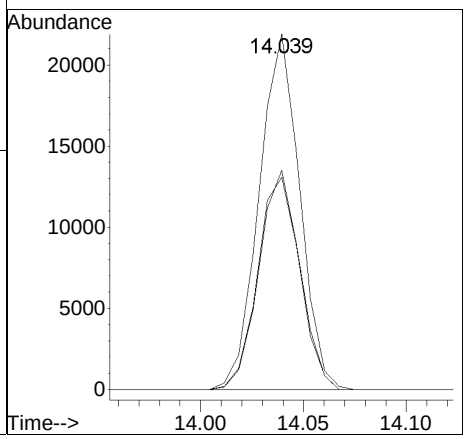


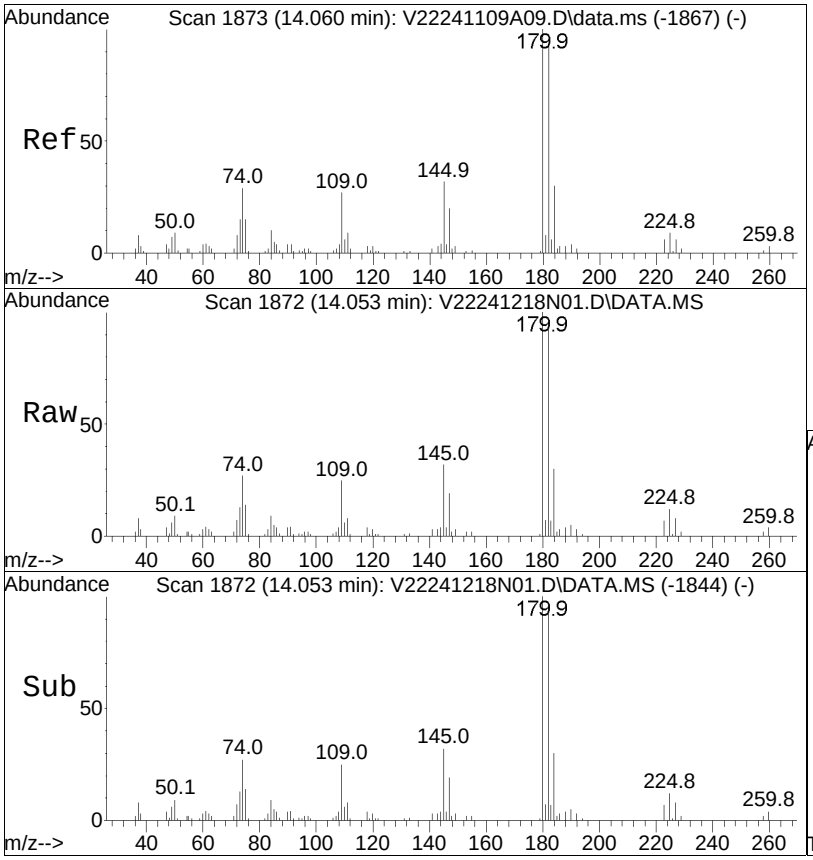


#112
Hexachlorobutadiene
Concen: 12.30 ug/L
RT: 14.039 min Scan# 1870
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:225 Resp: 30061

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.8	74.8
227	61.9	52.2	78.4

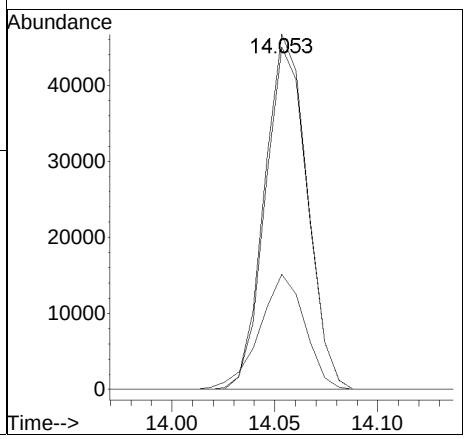


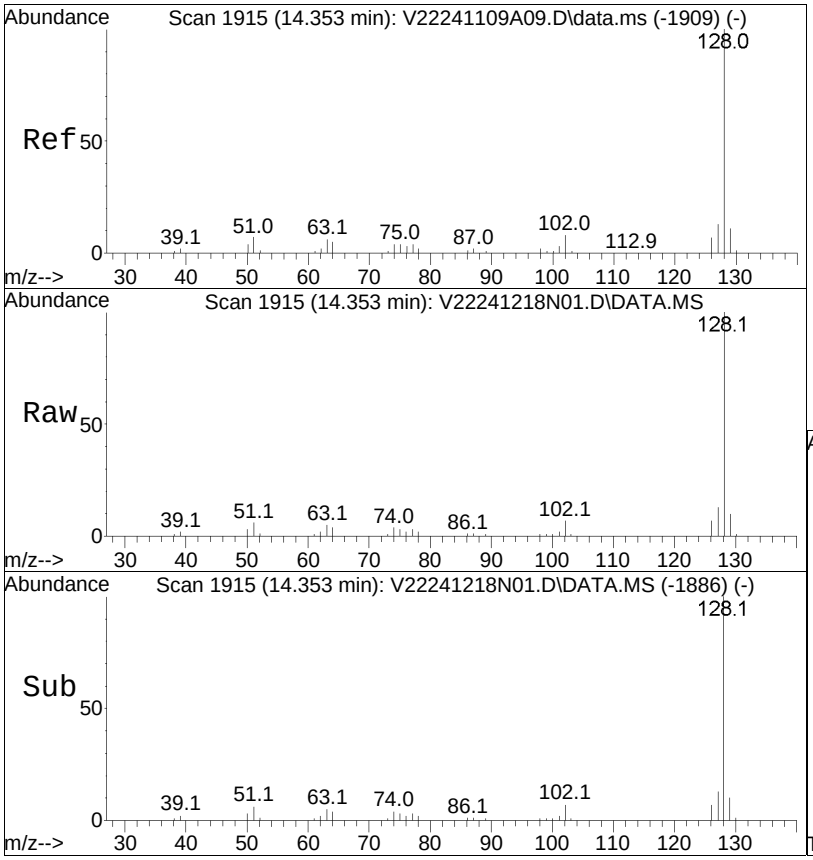


#113
1,2,4-Trichlorobenzene
Concen: 10.49 ug/L
RT: 14.053 min Scan# 1872
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:180 Resp: 67286

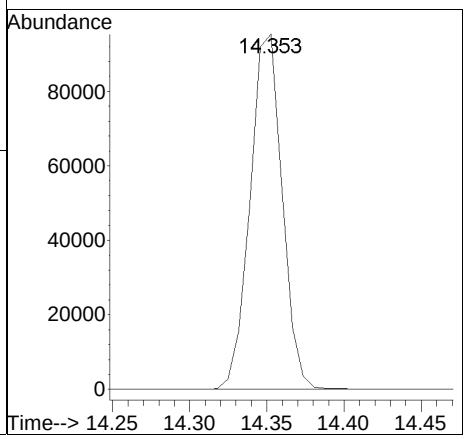
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	34.4	25.5	38.3

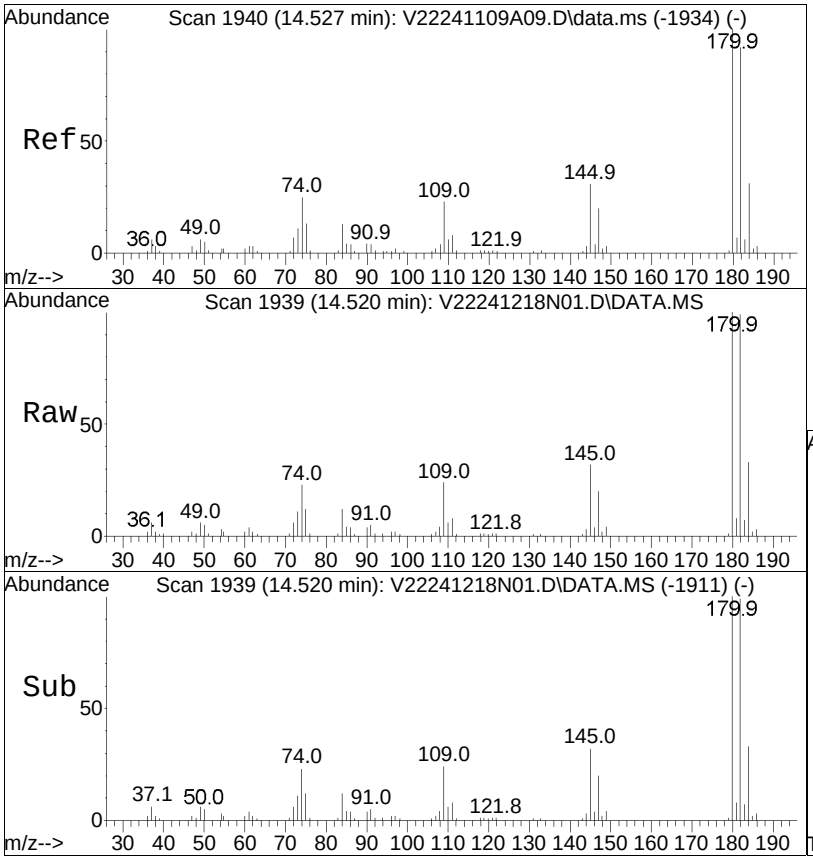




#114
Naphthalene
Concen: 9.69 ug/L
RT: 14.353 min Scan# 1915
Delta R.T. -0.000 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:128 Resp: 138085

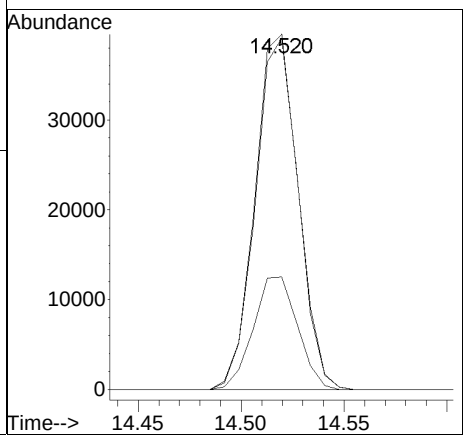




#115
1,2,3-Trichlorobenzene
Concen: 10.62 ug/L
RT: 14.520 min Scan# 1939
Delta R.T. -0.007 min
Lab File: V22241218N01.D
Acq: 18 Dec 2024 07:16 pm

Tgt Ion:180 Resp: 57791

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.0	114.0
145	32.4	23.8	35.8

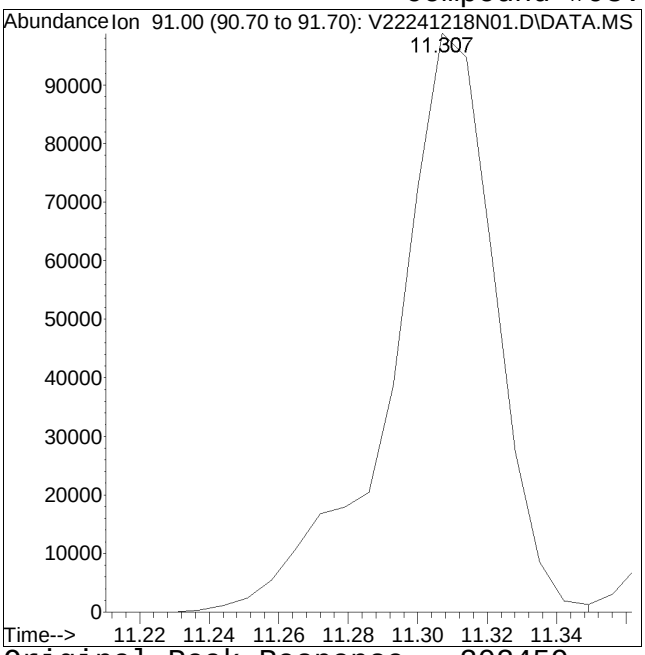


Manual Integration Report

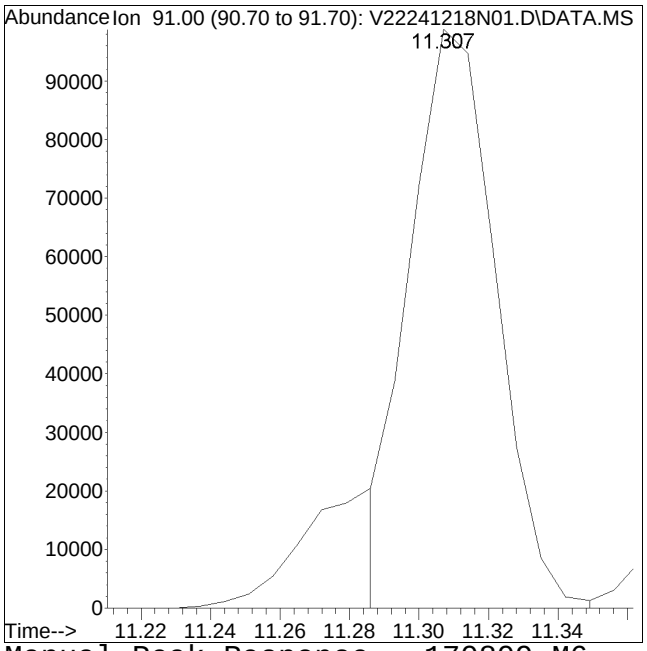
Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N01.D
Date Inj'd : 12/18/2024 7:16 pm
Sample : WG2011243-3,31,10,10

QMethod : V122_241109A_8260.m
Operator : VOA122:LAC
Instrument : VOA 122
Quant Date : 12/18/2024 7:48 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 202459



Manual Peak Response = 170809 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N03.D
Acq On : 18 Dec 2024 06:17 pm
Operator : VOA130:LAC
Sample : WG2011328-4,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 18:40:51 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	513179	10.000	ug/L	0.00
Standard Area 1 = 523400			Recovery = 98.05%			
63) Chlorobenzene-d5	9.633	117	432996	10.000	ug/L	0.00
Standard Area 1 = 431183			Recovery = 100.42%			
84) 1,4-Dichlorobenzene-d4	12.318	152	276738	10.000	ug/L	0.00
Standard Area 1 = 274323			Recovery = 100.88%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	188029	10.659	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.59%			
47) 1,2-Dichloroethane-d4	5.795	65	191659	10.850	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.50%			
64) Toluene-d8	7.783	98	585214	10.075	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.75%			
88) 4-Bromofluorobenzene	11.117	95	238623	9.984	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	114082	9.203	ug/L	96
3) Chloromethane	1.863	50	136407	9.022	ug/L	99
4) Vinyl chloride	1.942	62	142060	9.562	ug/L	100
5) Bromomethane	2.256	94	42142	5.227	ug/L	97
6) Chloroethane	2.372	64	90316	9.927	ug/L	99
7) Trichlorofluoromethane	2.518	101	164156	9.861	ug/L	99
8) Ethyl ether	2.817	74	39436	9.243	ug/L	86
10) 1,1-Dichloroethene	3.017	96	108743	10.176	ug/L	78
11) Carbon disulfide	3.043	76	332333	10.330	ug/L	100
15) Methylene chloride	3.572	84	131111	9.941	ug/L	85
17) Acetone	3.604	43	22901	11.575	ug/L	90
18) trans-1,2-Dichloroethene	3.724	96	111477	9.712	ug/L	86
21) Methyl tert-butyl ether	3.824	73	117916	6.656	ug/L	93
25) 1,1-Dichloroethane	4.312	63	233195	9.762	ug/L	98
27) Acrylonitrile	4.343	53	28432	11.586	ug/L	96
29) Vinyl acetate	4.542	43	120806	7.189	ug/L #	94
30) cis-1,2-Dichloroethene	4.831	96	126646	9.704	ug/L	85
31) 2,2-Dichloropropane	4.936	77	142474	9.055	ug/L	84
33) Bromochloromethane	5.019	128	59248	10.123	ug/L #	68
35) Chloroform	5.093	83	219147	9.972	ug/L	93

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N03.D
Acq On : 18 Dec 2024 06:17 pm
Operator : VOA130:LAC
Sample : WG2011328-4,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 18:40:51 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	5.234	117	98585	7.650	ug/L		98
40) 1,1,1-Trichloroethane	5.303	97	128537	8.180	ug/L		93
42) 2-Butanone	5.381	43	26268	10.897	ug/L		99
43) 1,1-Dichloropropene	5.423	75	92551	7.250	ug/L		96
45) Benzene	5.670	78	328451	8.578	ug/L		97
48) 1,2-Dichloroethane	5.869	62	123486	9.139	ug/L	#	98
52) Trichloroethene	6.267	95	70526	7.560	ug/L		95
54) Dibromomethane	6.708	93	59555	9.703	ug/L		92
55) 1,2-Dichloropropane	6.807	63	77209	7.673	ug/L		98
58) Bromodichloromethane	6.881	83	105602	7.731	ug/L		99
61) 1,4-Dioxane	7.090	88	34880	707.015	ug/L		93
62) cis-1,3-Dichloropropene	7.573	75	104625	7.481	ug/L	#	85
65) Toluene	7.840	92	235781	8.915	ug/L		99
66) 4-Methyl-2-pentanone	8.270	58	16946	8.736	ug/L	#	89
67) Tetrachloroethene	8.296	166	81882	8.534	ug/L		95
69) trans-1,3-Dichloropropene	8.323	75	90740	7.409	ug/L	#	79
72) 1,1,2-Trichloroethane	8.506	83	48028	8.156	ug/L		98
73) Chlorodibromomethane	8.721	129	56286	7.000	ug/L		98
74) 1,3-Dichloropropane	8.831	76	107899	8.324	ug/L		98
75) 1,2-Dibromoethane	8.999	107	55899	8.935	ug/L		99
77) 2-Hexanone	9.287	43	31717	8.915	ug/L		96
78) Chlorobenzene	9.654	112	246726	8.747	ug/L	#	88
79) Ethylbenzene	9.696	91	471692	9.064	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.738	131	54931	7.238	ug/L		98
81) p/m Xylene	9.880	106	388585	18.560	ug/L		94
82) o Xylene	10.420	106	370335	18.384	ug/L		96
83) Styrene	10.483	104	608355	18.376	ug/L		96
85) Bromoform	10.504	173	32096	6.708	ug/L		98
87) Isopropylbenzene	10.797	105	448280	8.686	ug/L		99
89) Bromobenzene	11.227	156	106382	8.525	ug/L		100
90) n-Propylbenzene	11.274	91	590485	9.094	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.353	83	72411	8.955	ug/L		99
93) 4-Ethyltoluene	11.400	105	478643	8.892	ug/L		99
94) 2-Chlorotoluene	11.437	91	356500	8.950	ug/L	#	87
95) 1,3,5-Trimethylbenzene	11.495	105	421779	8.949	ug/L		98
96) 1,2,3-Trichloropropane	11.489	75	60487	9.173	ug/L		93
97) trans-1,4-Dichloro-2-b...	11.547	53	14077	7.171	ug/L		99
98) 4-Chlorotoluene	11.621	91	371272	8.934	ug/L		96
99) tert-Butylbenzene	11.835	119	331647	8.673	ug/L		96

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N03.D
Acq On : 18 Dec 2024 06:17 pm
Operator : VOA130:LAC
Sample : WG2011328-4,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 18:40:51 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241218N\V30241218N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.914	105	405022	8.858	ug/L	98
103) sec-Butylbenzene	12.024	105	501091	9.014	ug/L	96
104) p-Isopropyltoluene	12.182	119	422681	8.806	ug/L	97
105) 1,3-Dichlorobenzene	12.244	146	228632	8.713	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	233206	8.694	ug/L	99
107) p-Diethylbenzene	12.554	119	241063	8.535	ug/L	97
108) n-Butylbenzene	12.606	91	383070	9.179	ug/L	98
109) 1,2-Dichlorobenzene	12.758	146	216381	8.698	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.340	119	314419	7.902	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	12681	9.409	ug/L	95
113) Hexachlorobutadiene	14.142	225	47969	7.648	ug/L	99
114) 1,2,4-Trichlorobenzene	14.163	180	133758	8.220	ug/L	99
115) Naphthalene	14.457	128	292166	8.785	ug/L	100
116) 1,2,3-Trichlorobenzene	14.625	180	126600	8.353	ug/L	98

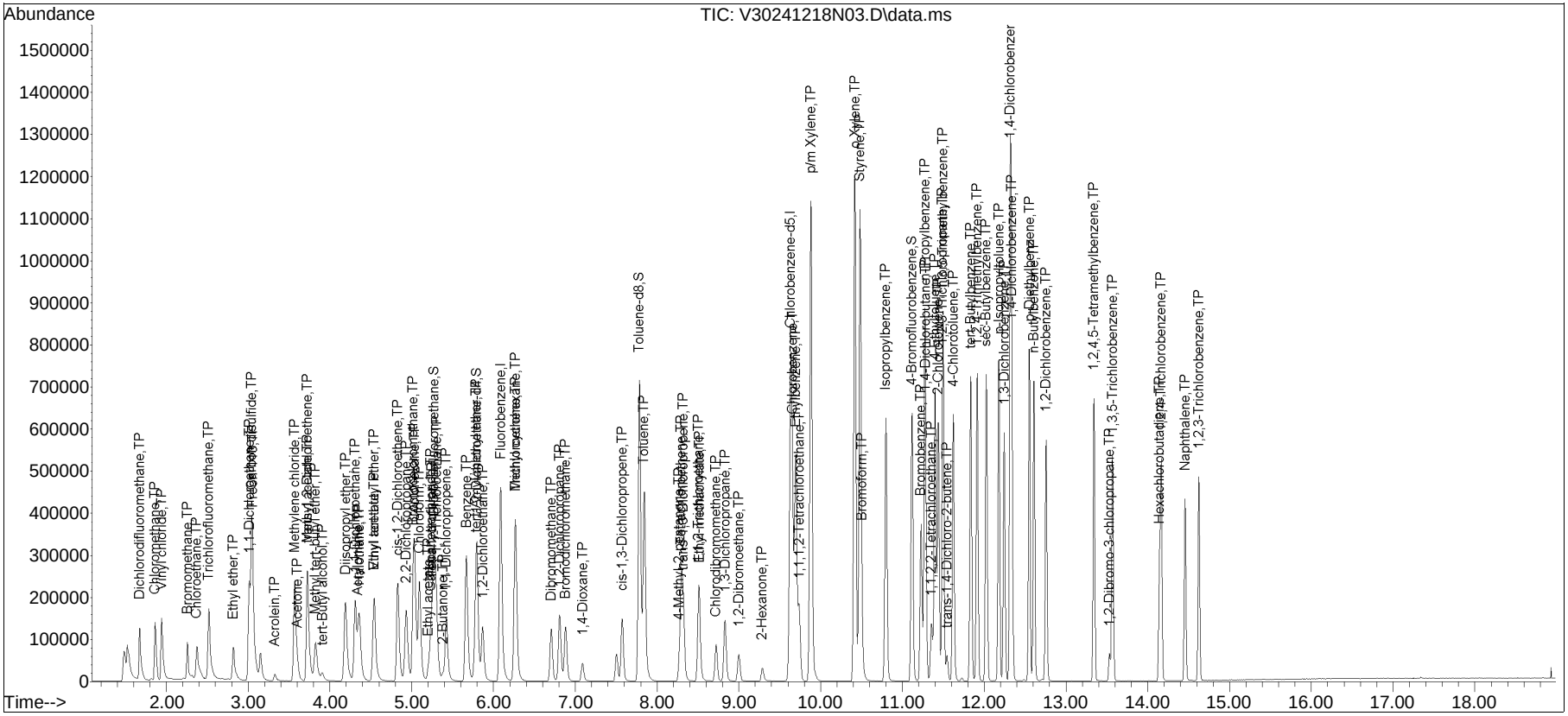
(#) = qualifier out of range (m) = manual integration (+) = signals summed

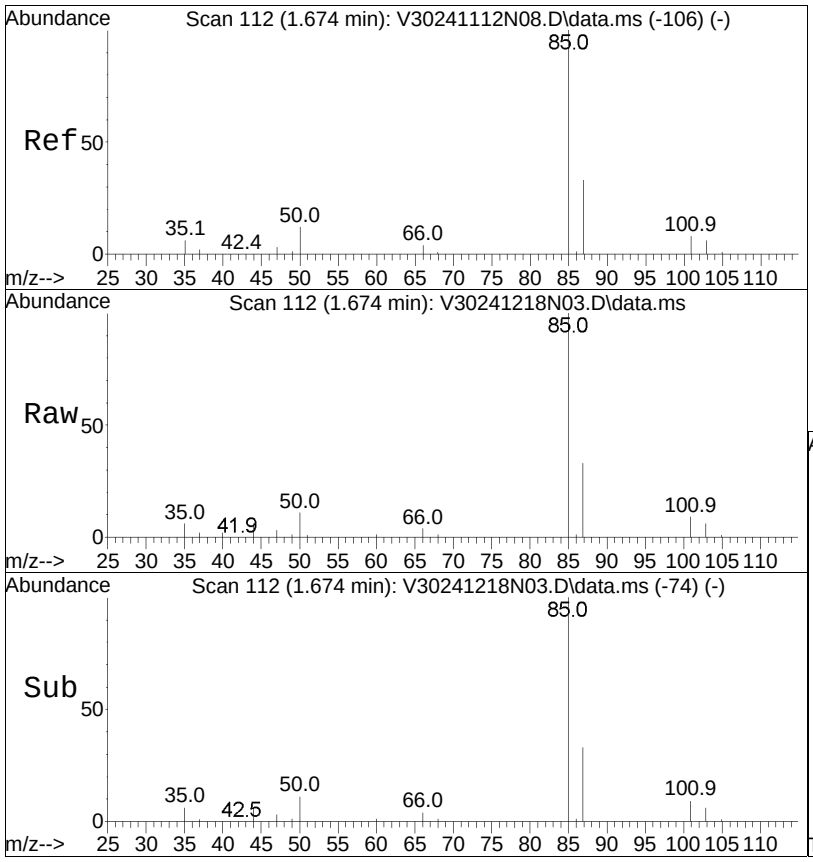
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241218N\
Data File : V30241218N03.D
Acq On : 18 Dec 2024 06:17 pm
Operator : VOA130:LAC
Sample : WG2011328-4,31,10,10
Misc : WG2011328,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 18:40:51 2024
Quant Method : K:\VOA130\2024\241218N\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

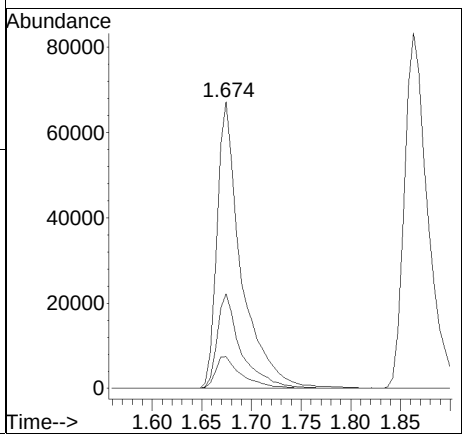


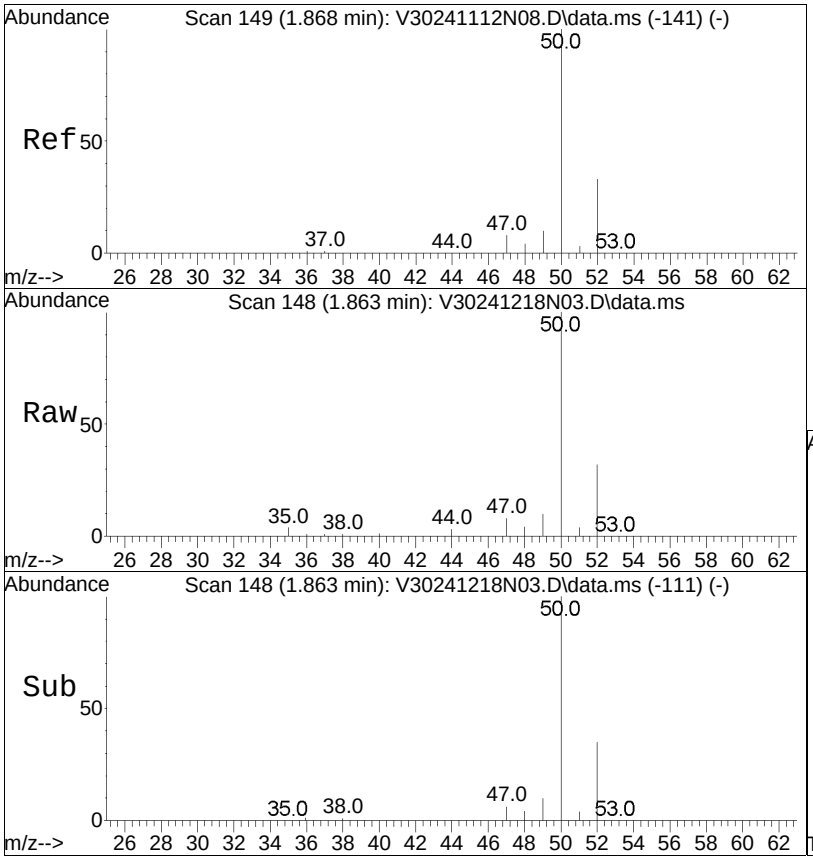


#2
Dichlorodifluoromethane
Concen: 9.20 ug/L
RT: 1.674 min Scan# 112
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 85 Resp: 114082

Ion	Ratio	Lower	Upper
85	100		
87	32.5	20.2	42.0
50	12.0	10.1	20.9

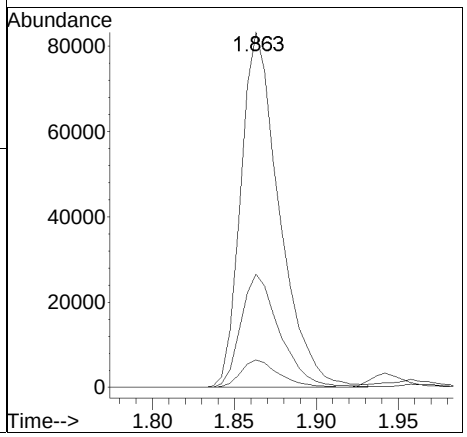


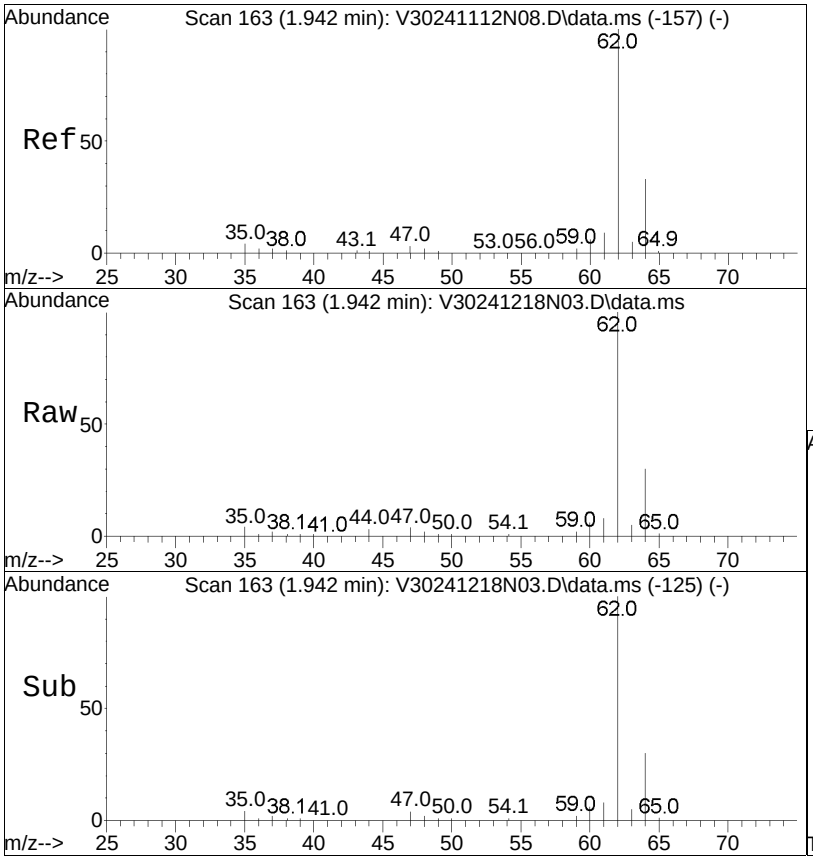


#3
Chloromethane
Concen: 9.02 ug/L
RT: 1.863 min Scan# 148
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 50 Resp: 136407

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.1	37.7
47	7.7	6.5	9.7

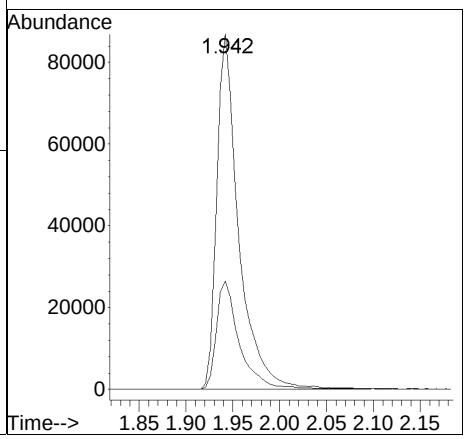


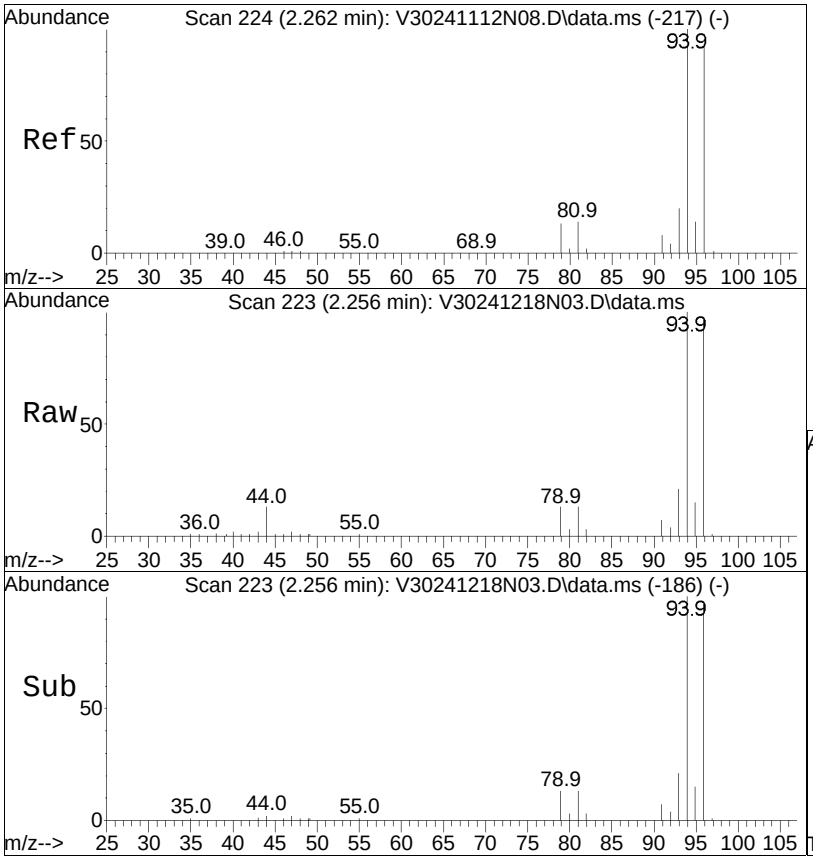


#4
Vinyl chloride
Concen: 9.56 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 62 Resp: 142060

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.7	38.5

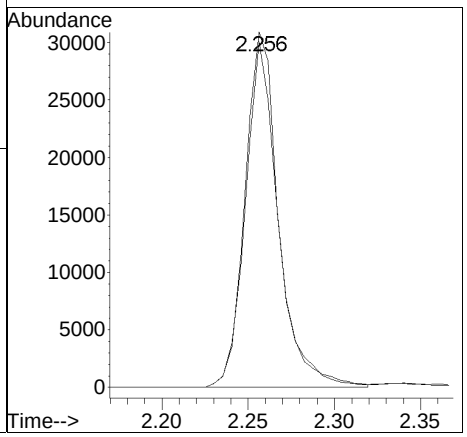


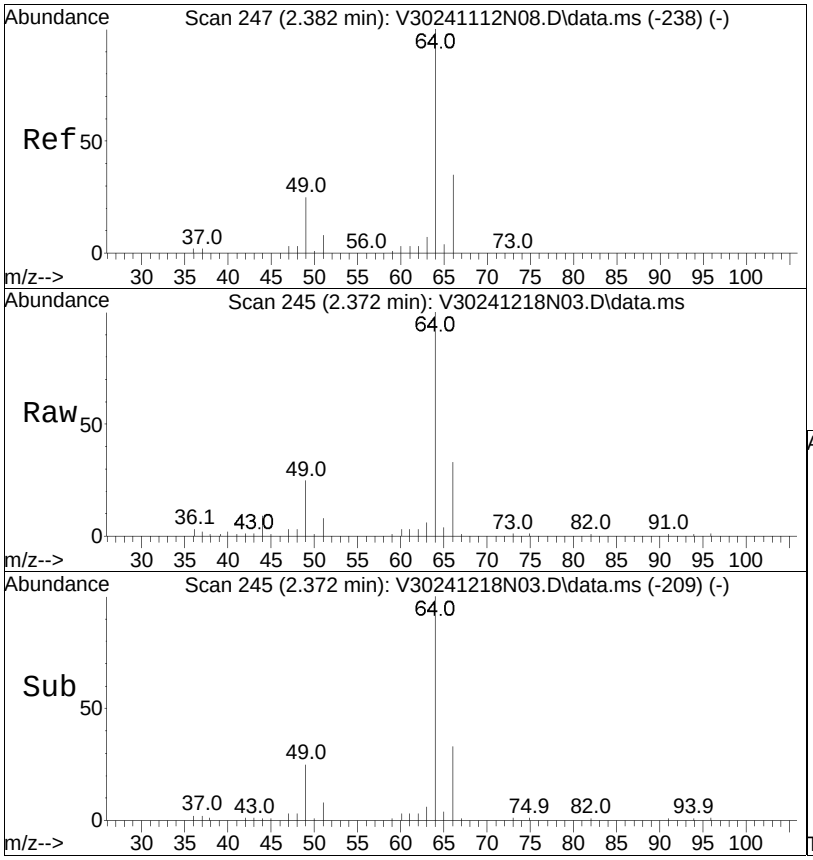


#5
Bromomethane
Concen: 5.23 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 94 Resp: 42142

Ion	Ratio	Lower	Upper
94	100		
96	95.0	73.7	110.5

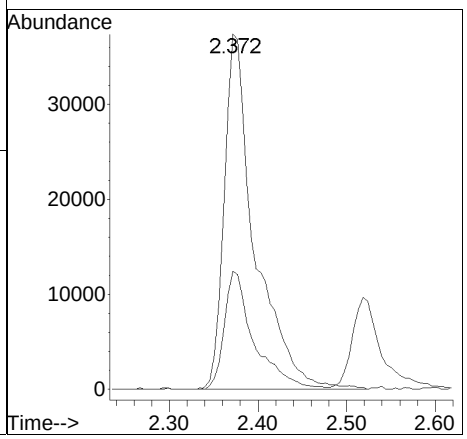


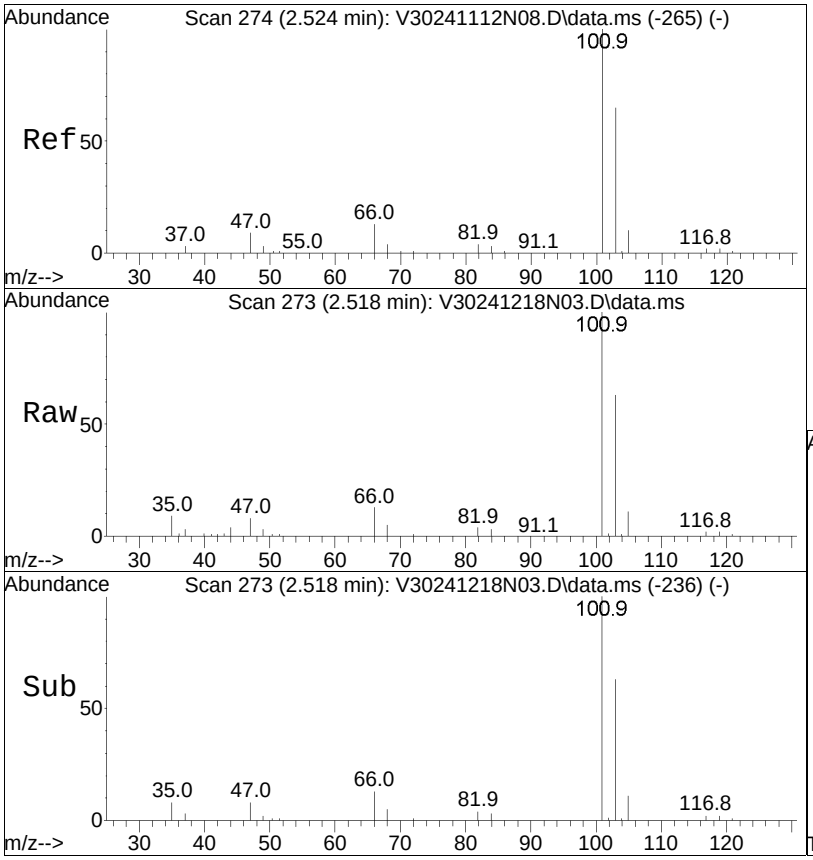


#6
Chloroethane
Concen: 9.93 ug/L
RT: 2.372 min Scan# 245
Delta R.T. -0.010 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 64 Resp: 90316

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.3	37.9

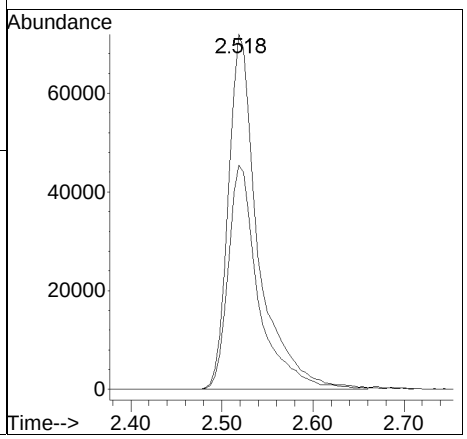


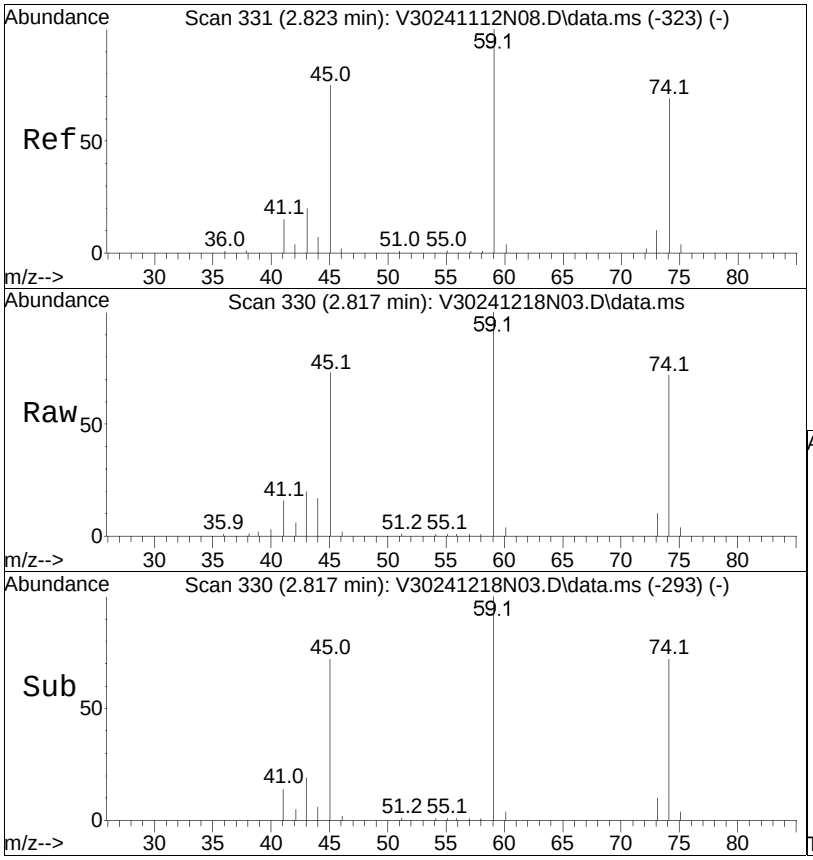


#7
Trichlorofluoromethane
Concen: 9.86 ug/L
RT: 2.518 min Scan# 273
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:101 Resp: 164156

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4

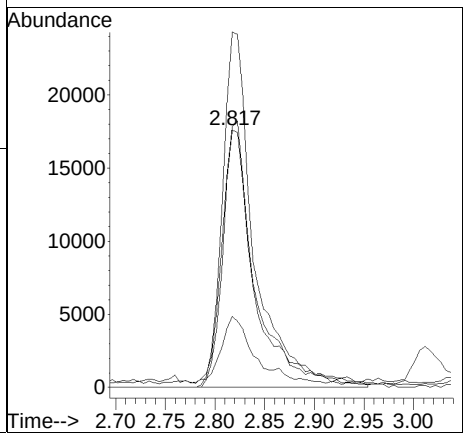


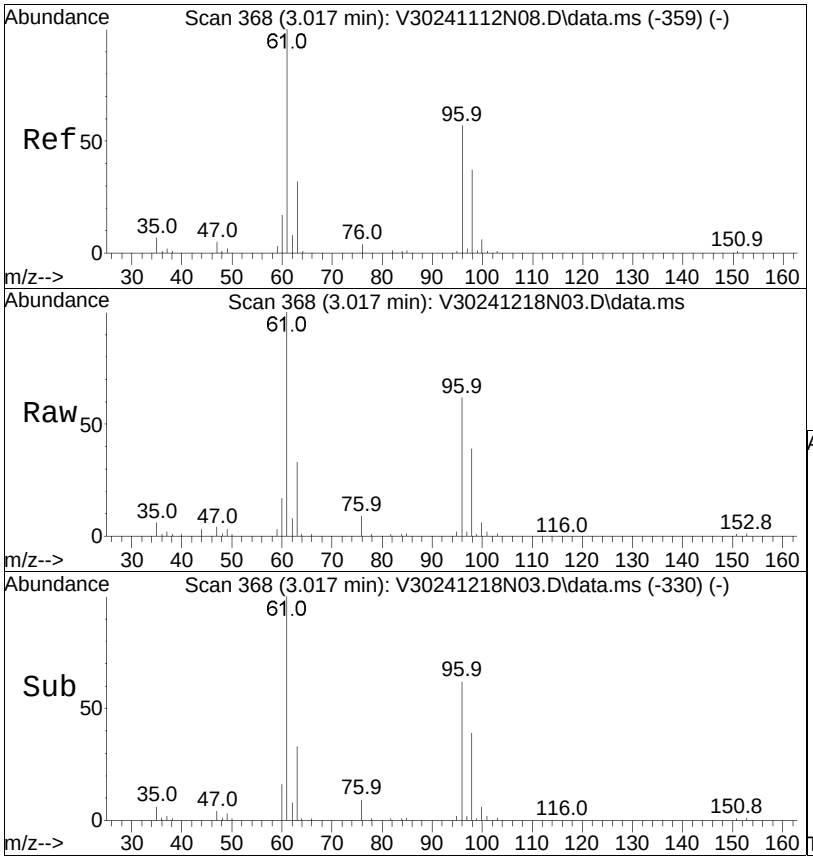


#8
Ethyl ether
Concen: 9.24 ug/L
RT: 2.817 min Scan# 330
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 74 Resp: 39436

Ion	Ratio	Lower	Upper
74	100		
59	139.8	97.6	202.8
45	102.4	80.6	167.4
43	27.0	24.8	51.6

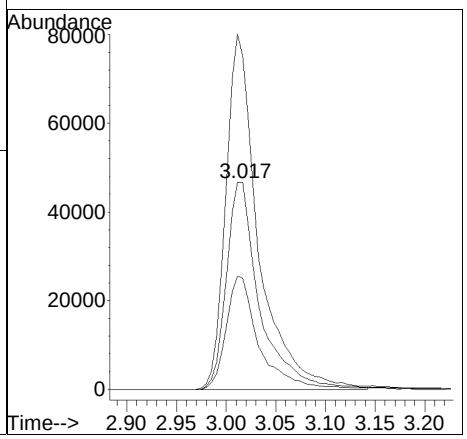


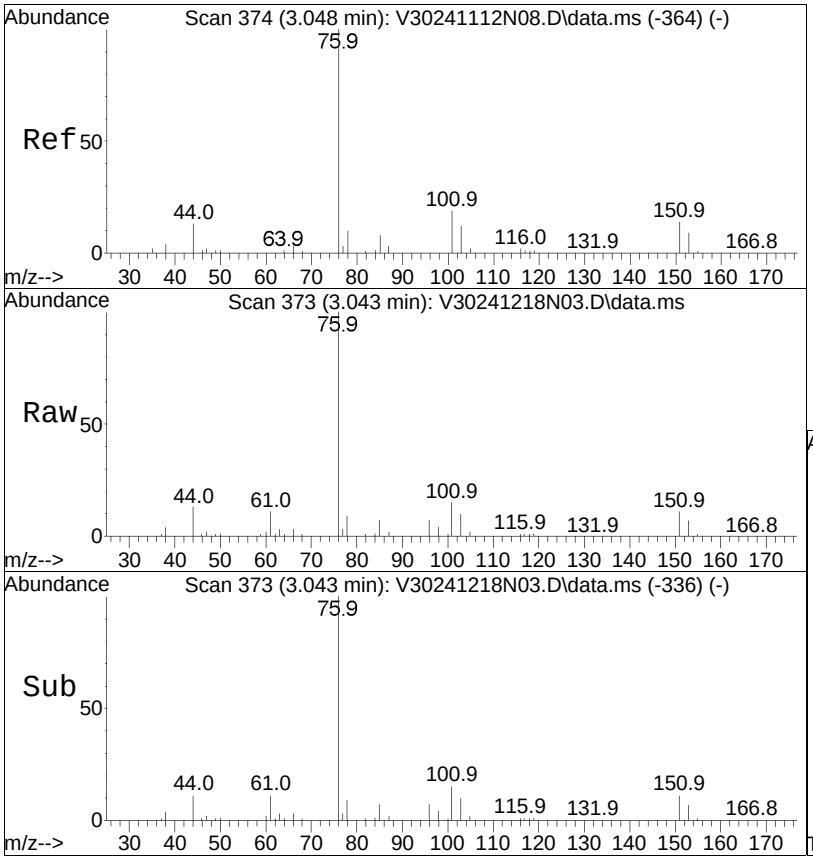


#10
1,1-Dichloroethene
Concen: 10.18 ug/L
RT: 3.017 min Scan# 368
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 96 Resp: 108743

Ion	Ratio	Lower	Upper
96	100		
61	169.7	165.5	248.3
63	54.0	51.9	77.9

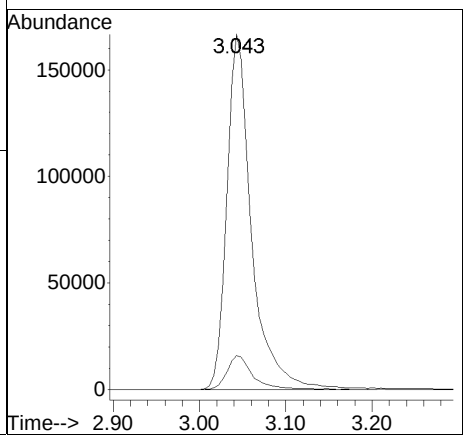


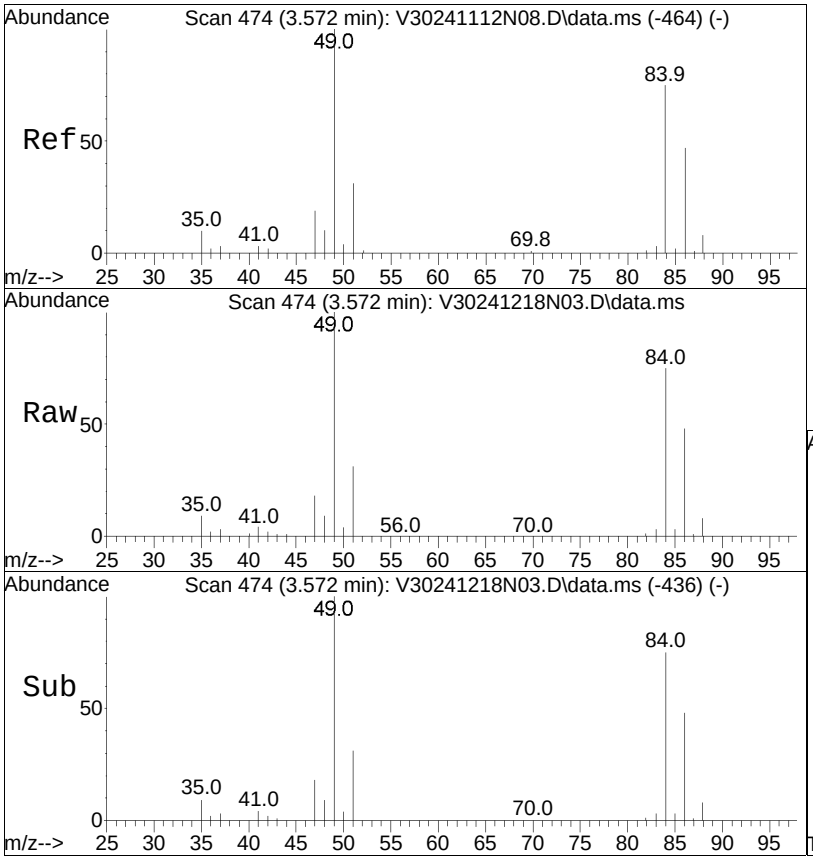


#11
Carbon disulfide
Concen: 10.33 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 76 Resp: 332333

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

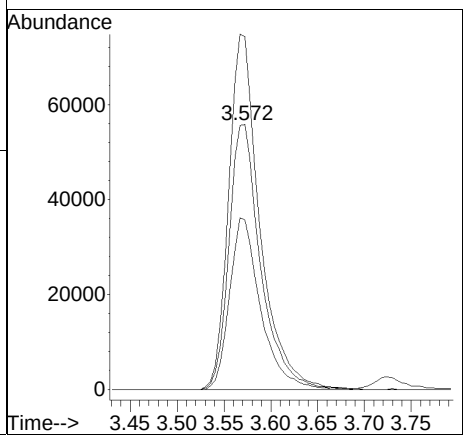


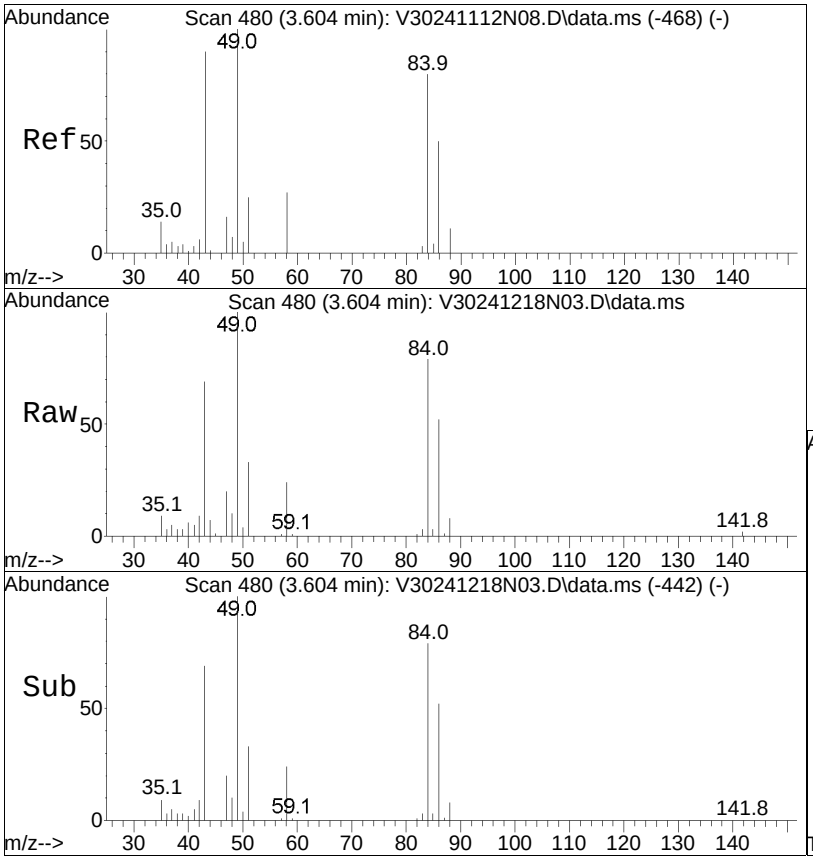


#15
Methylene chloride
Concen: 9.94 ug/L
RT: 3.572 min Scan# 474
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 84 Resp: 131111

Ion	Ratio	Lower	Upper
84	100		
86	63.5	41.7	86.5
49	132.0	103.9	215.9

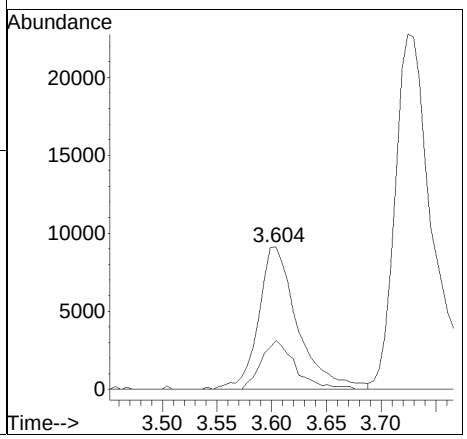


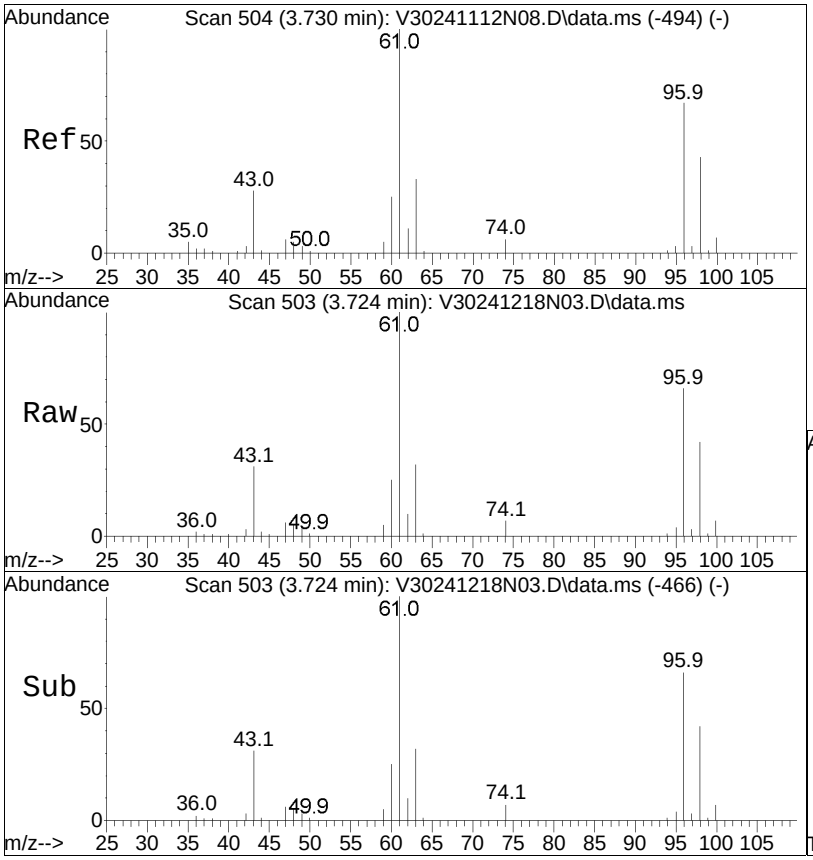


#17
Acetone
Concen: 11.58 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 43 Resp: 22901

Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.1	30.1

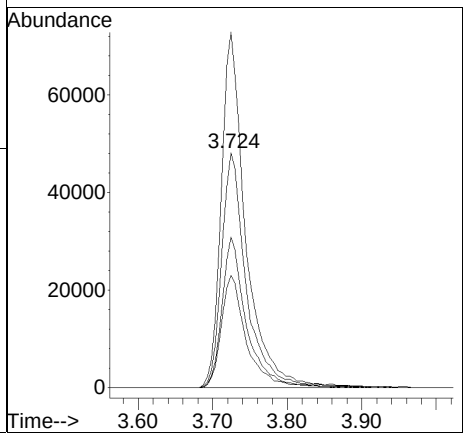


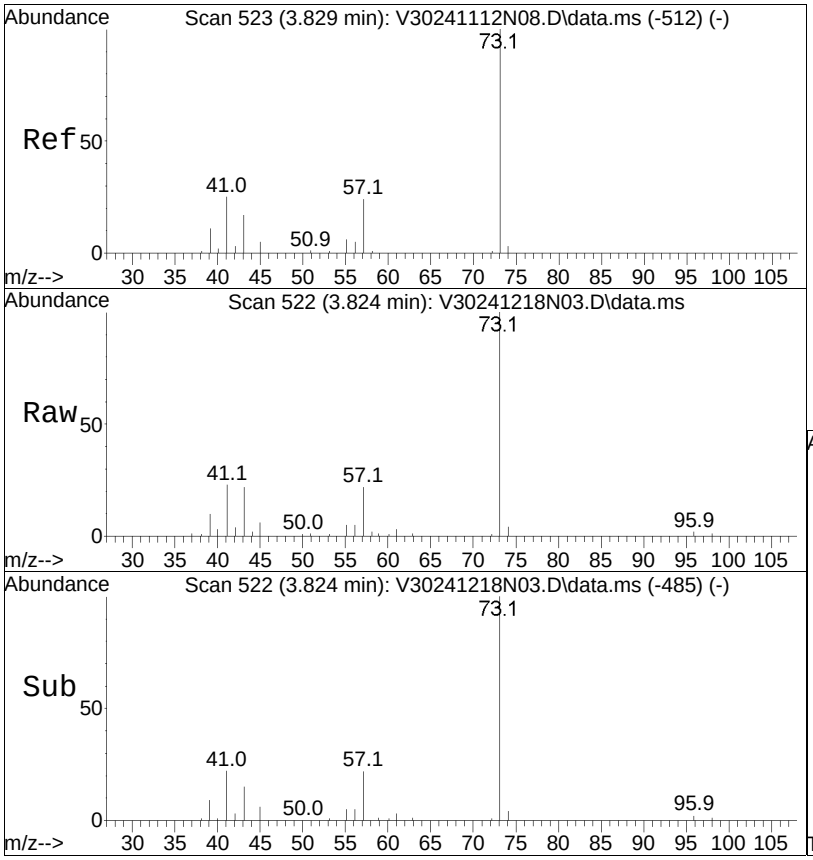


#18
trans-1,2-Dichloroethene
Concen: 9.71 ug/L
RT: 3.724 min Scan# 503
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 96 Resp: 111477

Ion	Ratio	Lower	Upper
96	100		
61	148.0	113.6	236.0
98	62.6	40.8	84.8
63	47.9	36.5	75.7

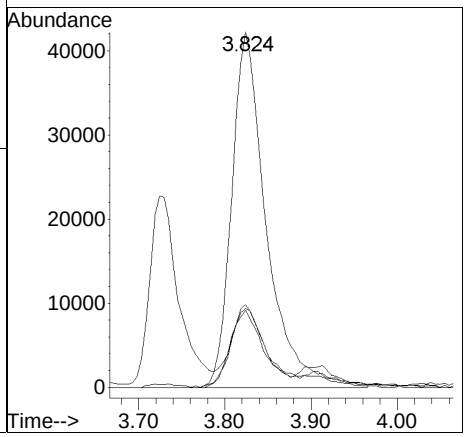


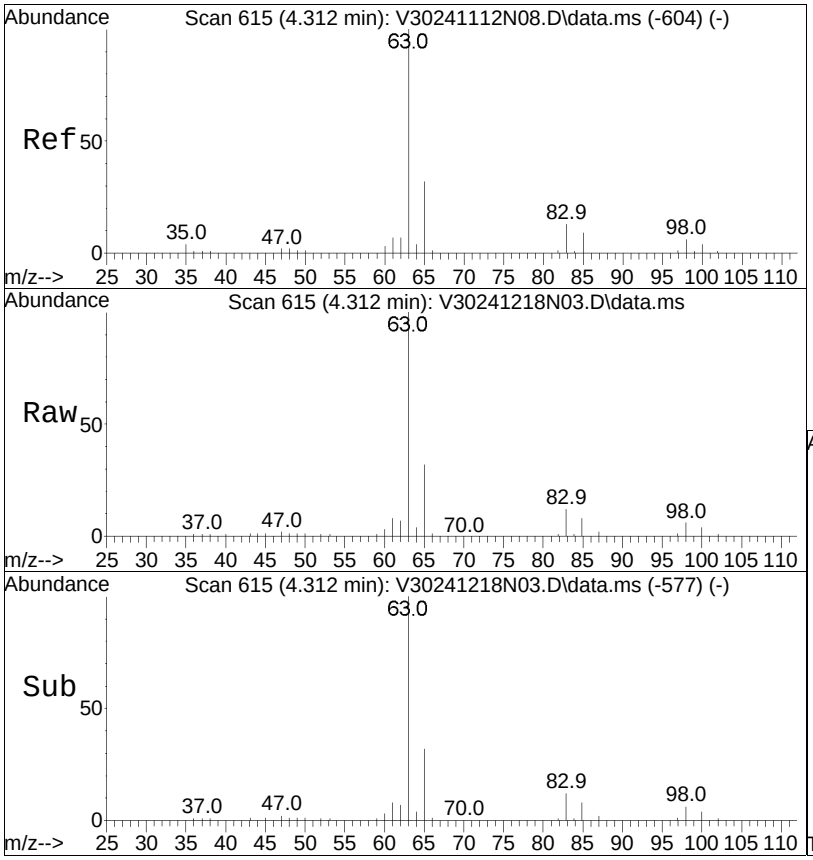


#21
Methyl tert-butyl ether
Concen: 6.66 ug/L
RT: 3.824 min Scan# 522
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 73 Resp: 117916

Ion	Ratio	Lower	Upper
73	100		
57	22.5	15.5	32.1
43	20.0	16.6	34.6
41	23.2	17.2	35.6

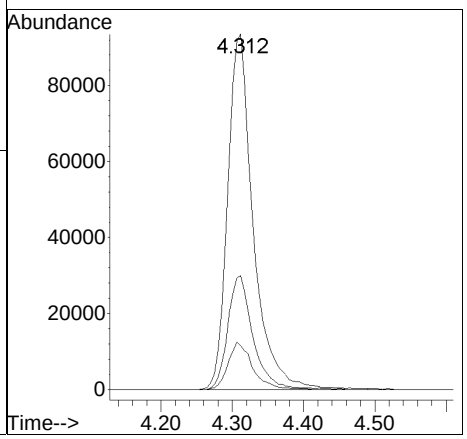


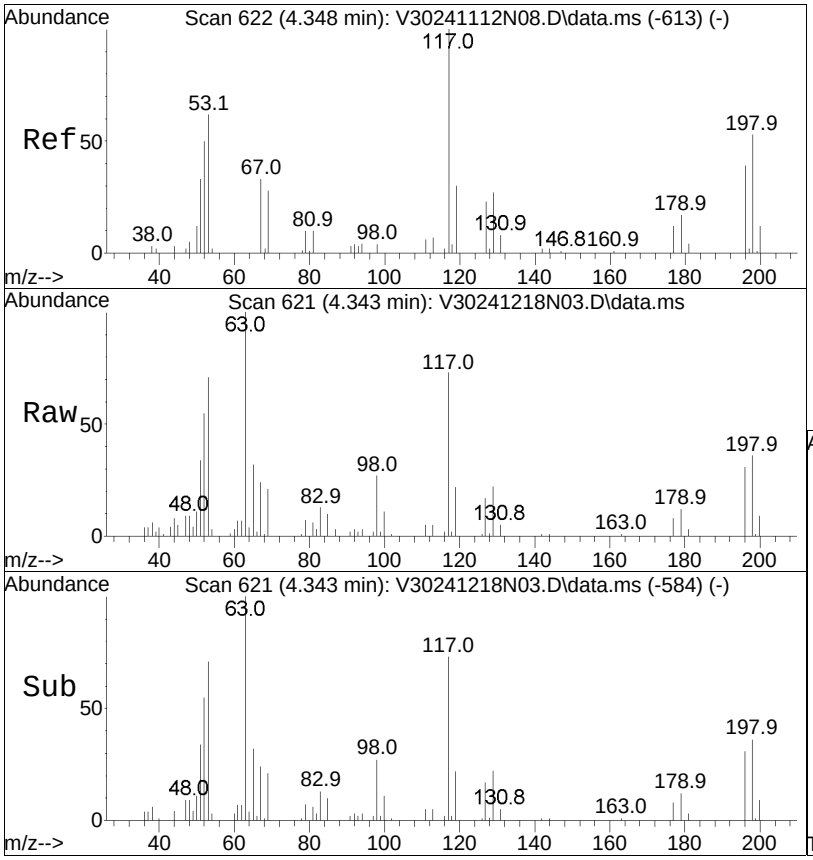


#25
1,1-Dichloroethane
Concen: 9.76 ug/L
RT: 4.312 min Scan# 615
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 63 Resp: 233195

Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7
83	12.7	8.9	13.3

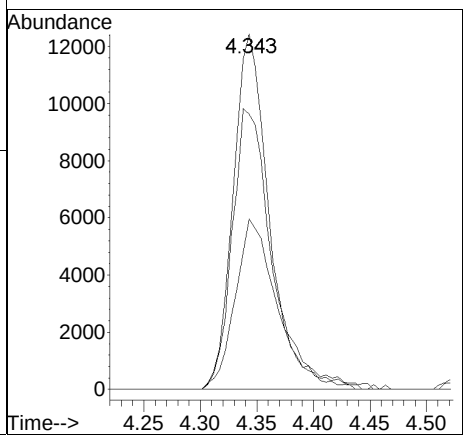


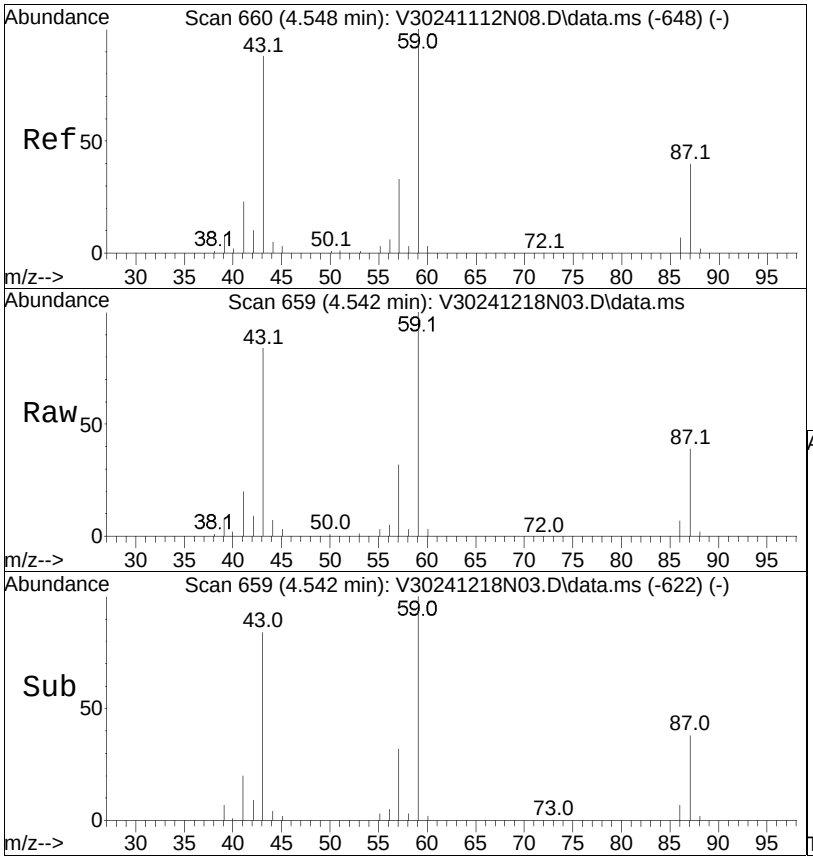


#27
Acrylonitrile
Concen: 11.59 ug/L
RT: 4.343 min Scan# 621
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 53 Resp: 28432

Ion	Ratio	Lower	Upper
53	100		
52	82.5	69.0	103.6
51	54.7	41.8	62.8

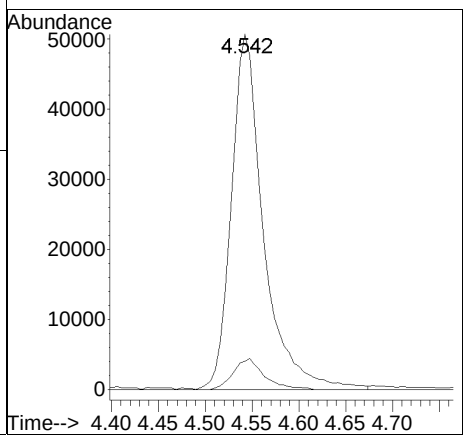


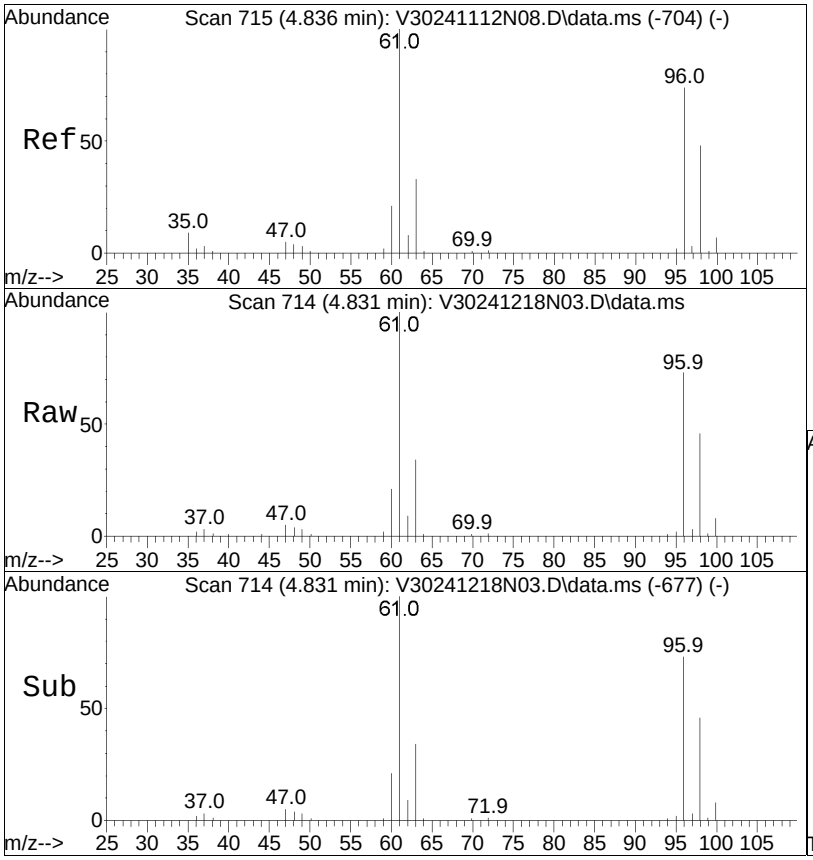


#29
Vinyl acetate
Concen: 7.19 ug/L
RT: 4.542 min Scan# 659
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 43 Resp: 120806

Ion	Ratio	Lower	Upper
43	100		
86	8.3	5.0	7.6#

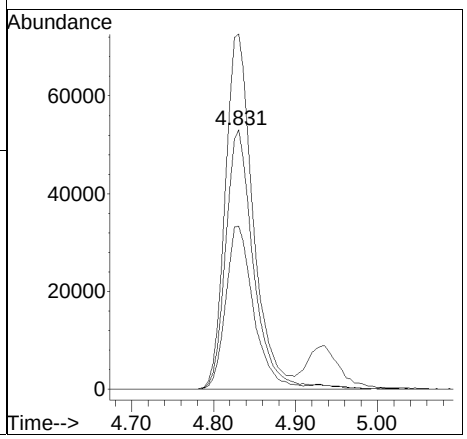


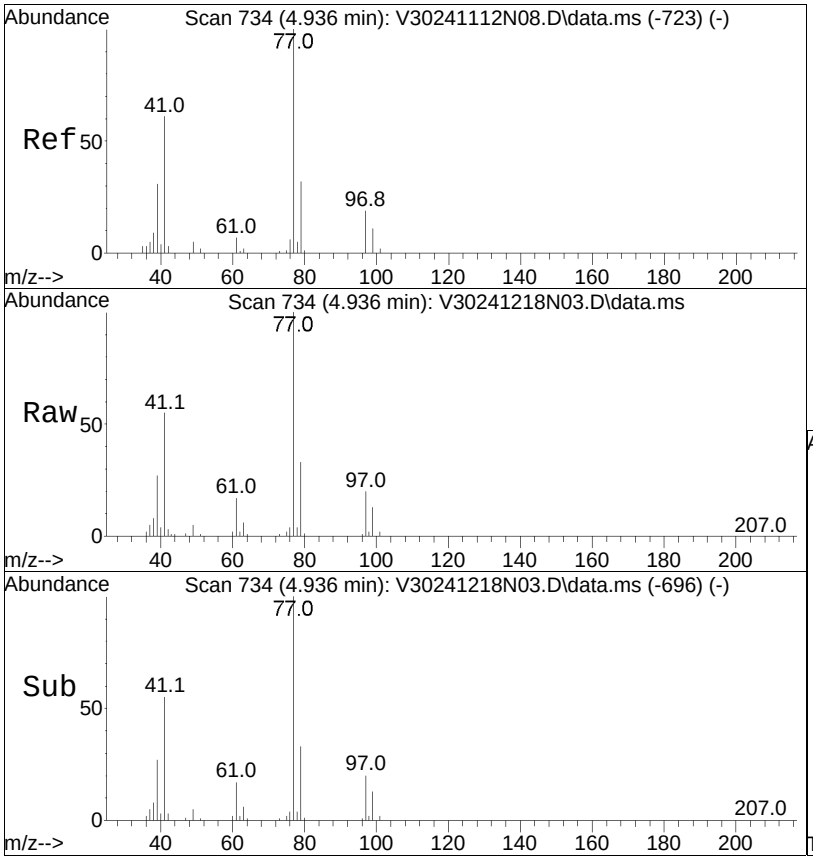


#30
cis-1,2-Dichloroethene
Concen: 9.70 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 96 Resp: 126646

Ion	Ratio	Lower	Upper
96	100		
61	135.1	129.3	193.9
98	62.7	51.4	77.2

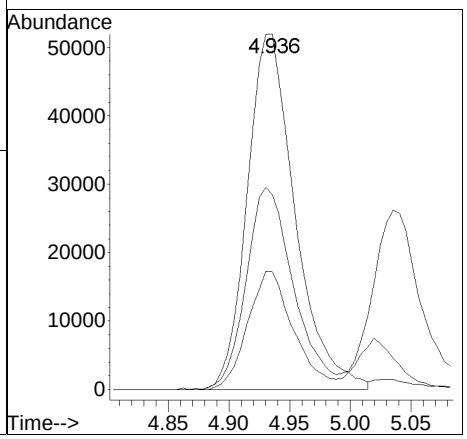


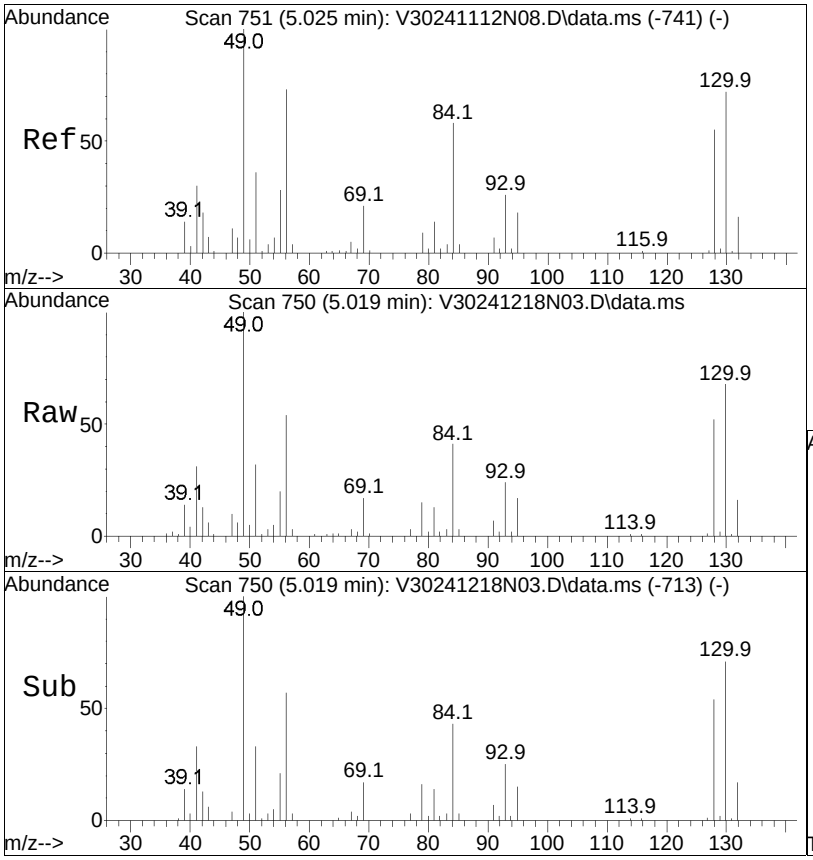


#31
2,2-Dichloropropane
Concen: 9.06 ug/L
RT: 4.936 min Scan# 734
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 77 Resp: 142474

Ion	Ratio	Lower	Upper
77	100		
41	56.2	49.2	102.2
79	31.9	20.6	42.8

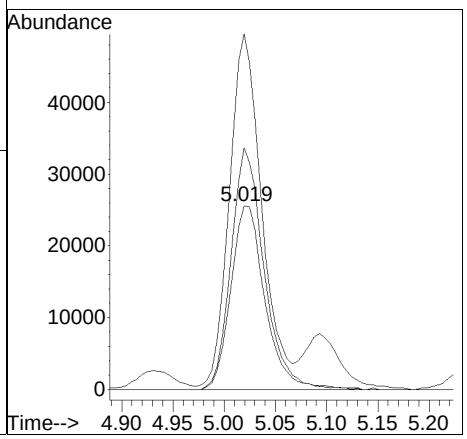


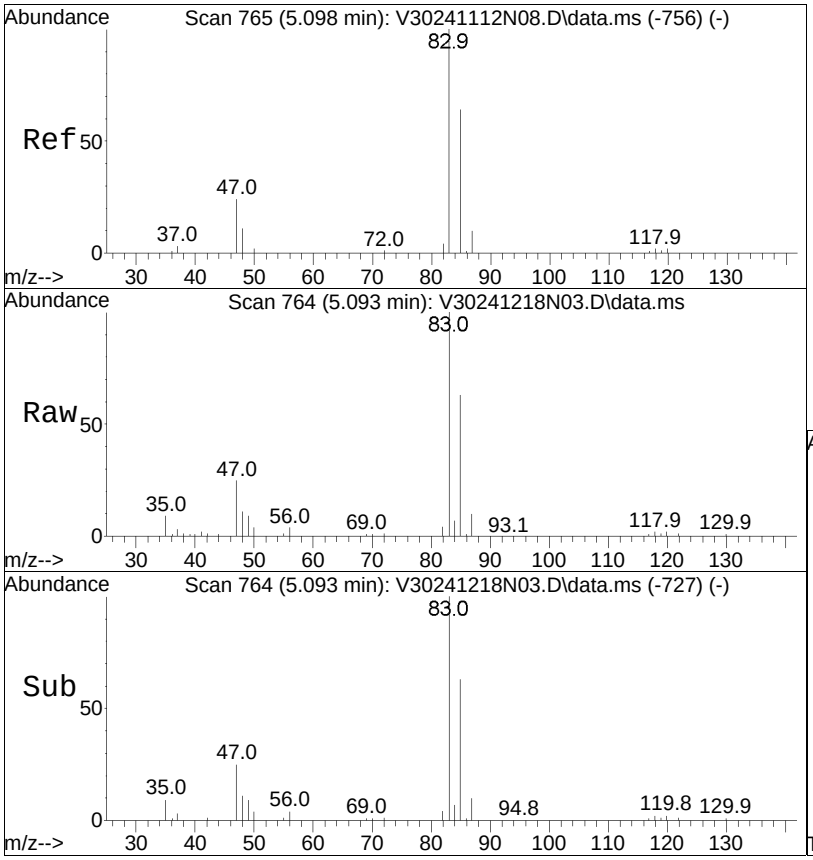


#33
Bromochloromethane
Concen: 10.12 ug/L
RT: 5.019 min Scan# 750
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:128 Resp: 59248

Ion	Ratio	Lower	Upper
128	100		
49	183.7	214.8	322.2#
130	127.4	105.4	158.2

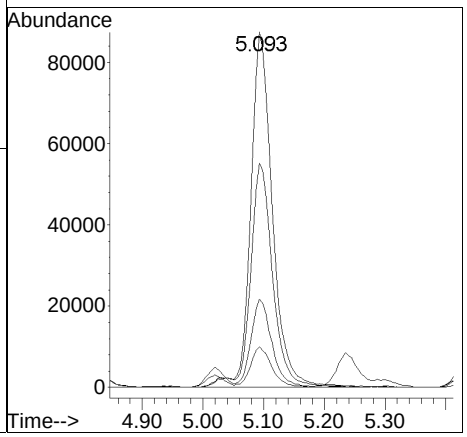


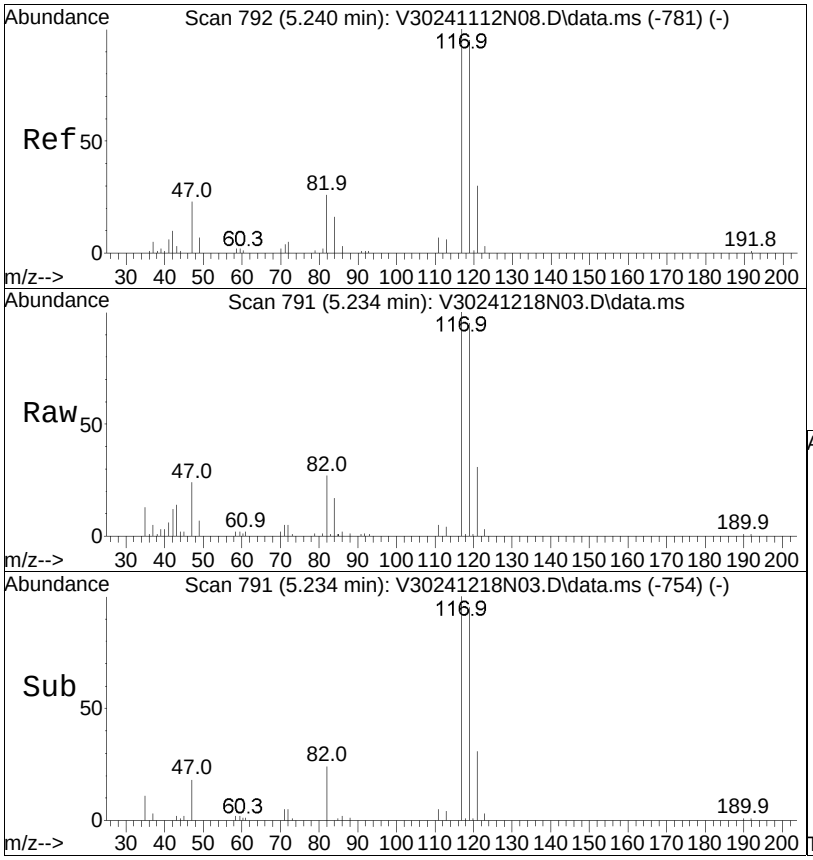


#35
Chloroform
Concen: 9.97 ug/L
RT: 5.093 min Scan# 764
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 83 Resp: 219147

Ion	Ratio	Lower	Upper
83	100		
85	61.6	41.4	86.0
47	23.0	20.5	42.5
48	11.3	9.9	20.5

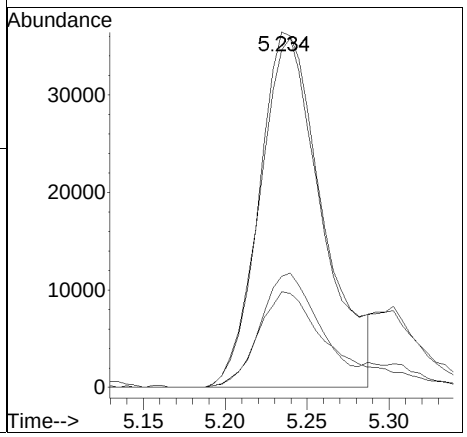


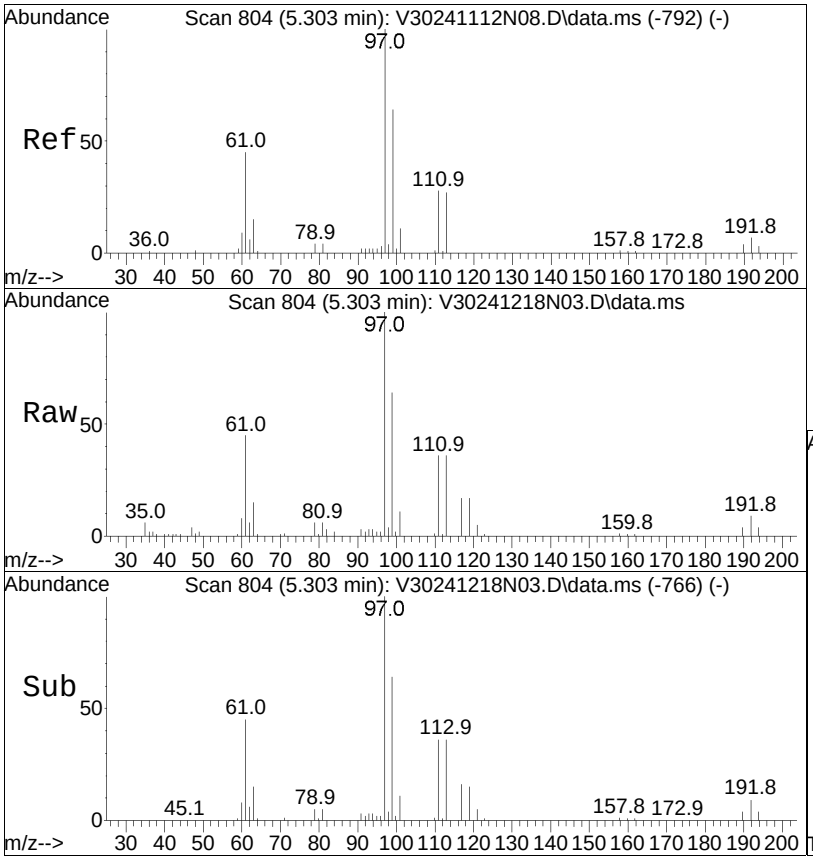


#37
Carbon tetrachloride
Concen: 7.65 ug/L
RT: 5.234 min Scan# 791
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:117 Resp: 98585

Ion	Ratio	Lower	Upper
117	100		
119	93.3	62.0	128.8
121	30.4	19.6	40.6
82	32.0	18.8	39.0

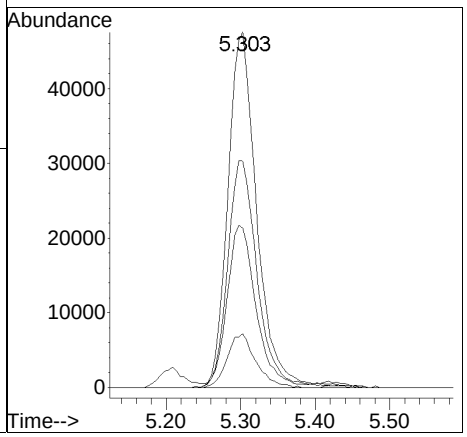


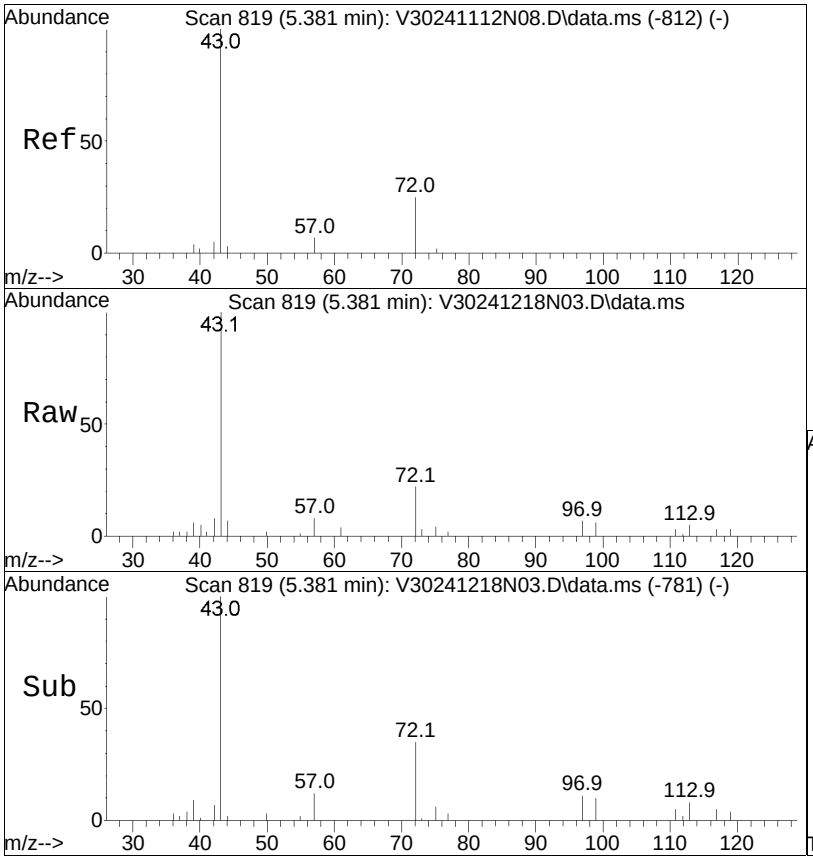


#40
1,1,1-Trichloroethane
Concen: 8.18 ug/L
RT: 5.303 min Scan# 804
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 97 Resp: 128537

Ion	Ratio	Lower	Upper
97	100		
99	64.9	40.6	84.4
61	45.8	35.0	72.8
63	14.8	11.1	23.0

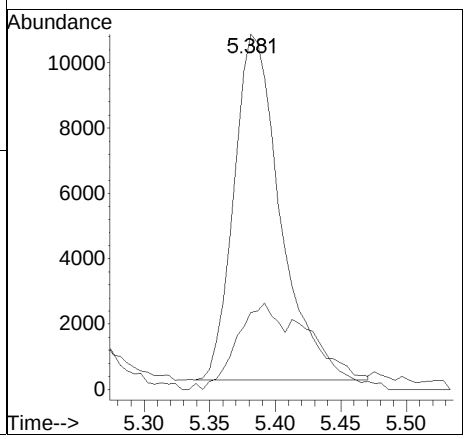


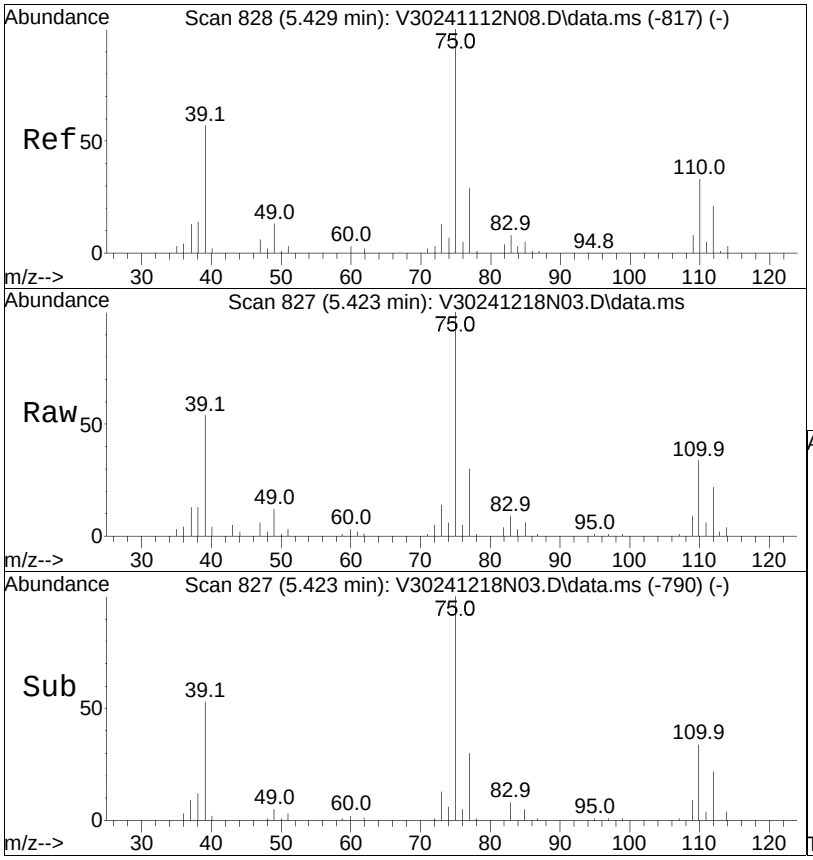


#42
2-Butanone
Concen: 10.90 ug/L
RT: 5.381 min Scan# 819
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 43 Resp: 26268

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.4

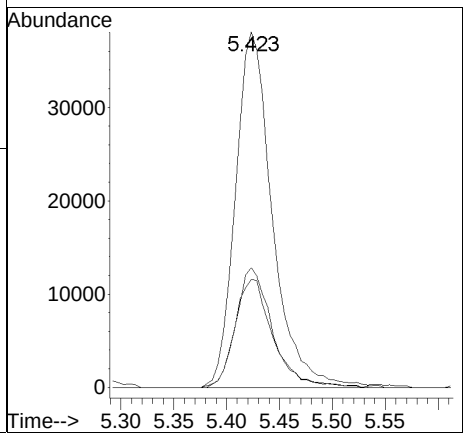


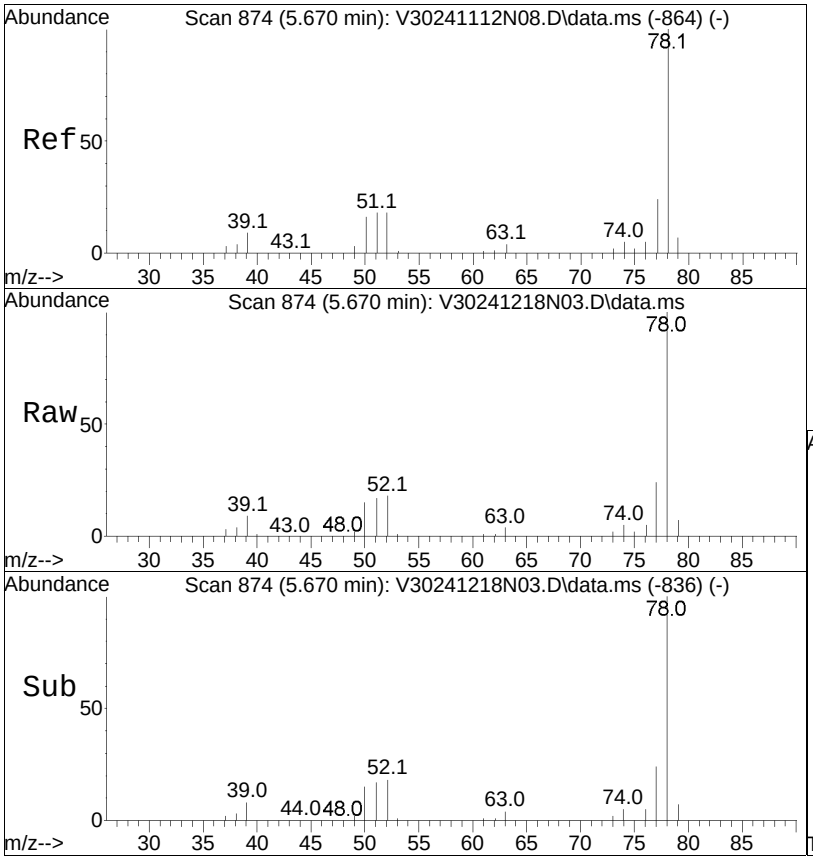


#43
1,1-Dichloropropene
Concen: 7.25 ug/L
RT: 5.423 min Scan# 827
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 75 Resp: 92551

Ion	Ratio	Lower	Upper
75	100		
110	33.2	19.4	40.4
77	31.6	19.7	40.9

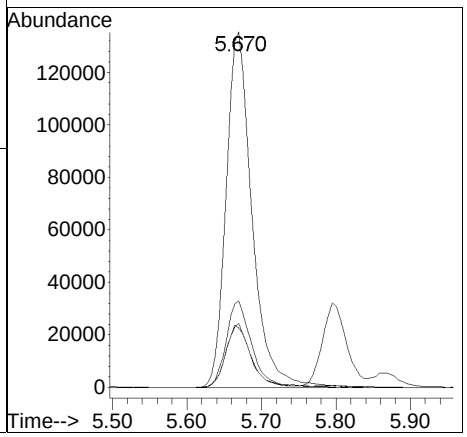


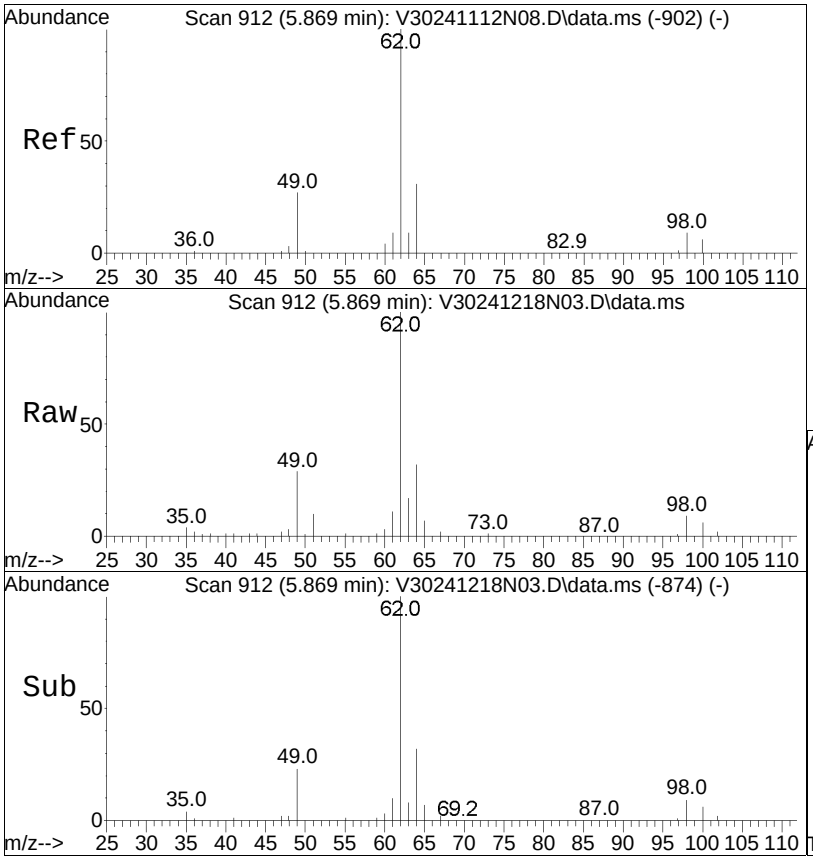


#45
Benzene
Concen: 8.58 ug/L
RT: 5.670 min Scan# 874
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 78 Resp: 328451

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.6	32.4
51	17.3	12.9	26.7
52	17.3	12.4	25.7

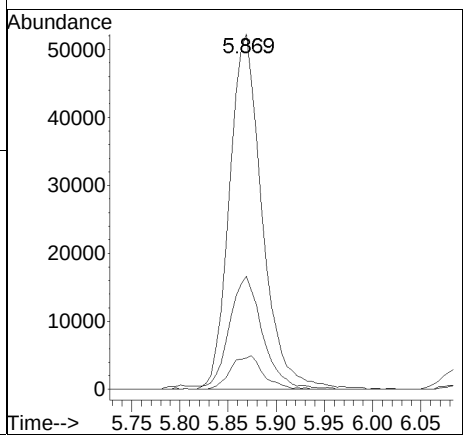


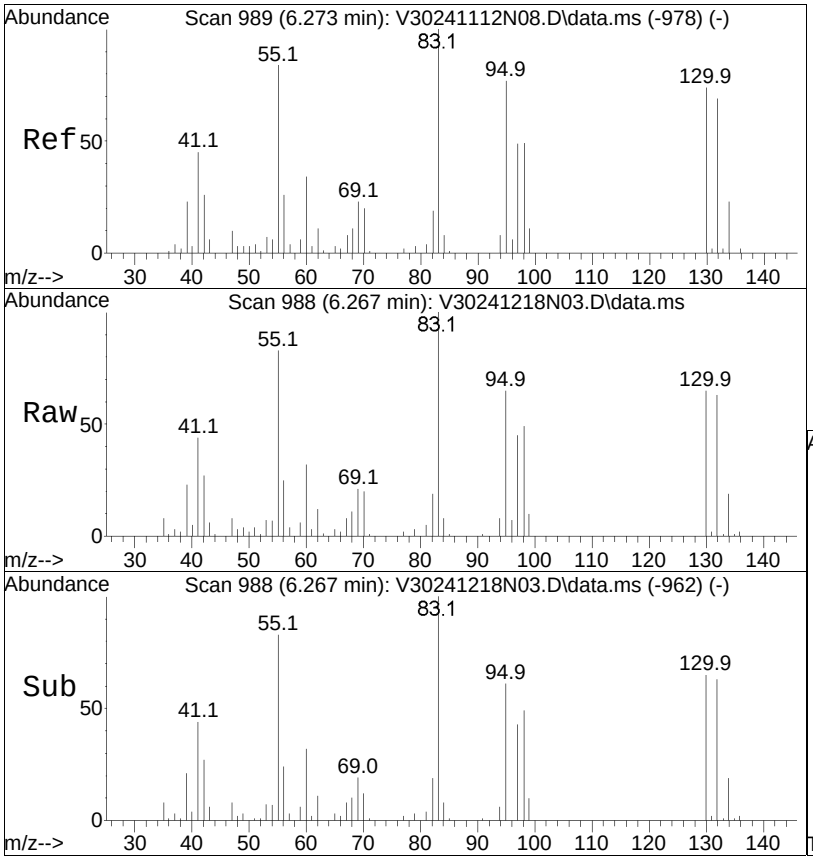


#48
1,2-Dichloroethane
Concen: 9.14 ug/L
RT: 5.869 min Scan# 912
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 62 Resp: 123486

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.5	38.3
98	9.5	5.5	8.3#

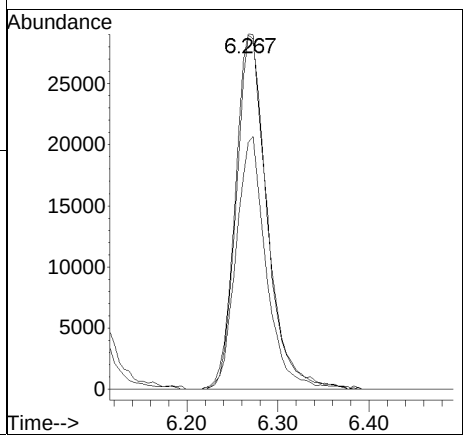


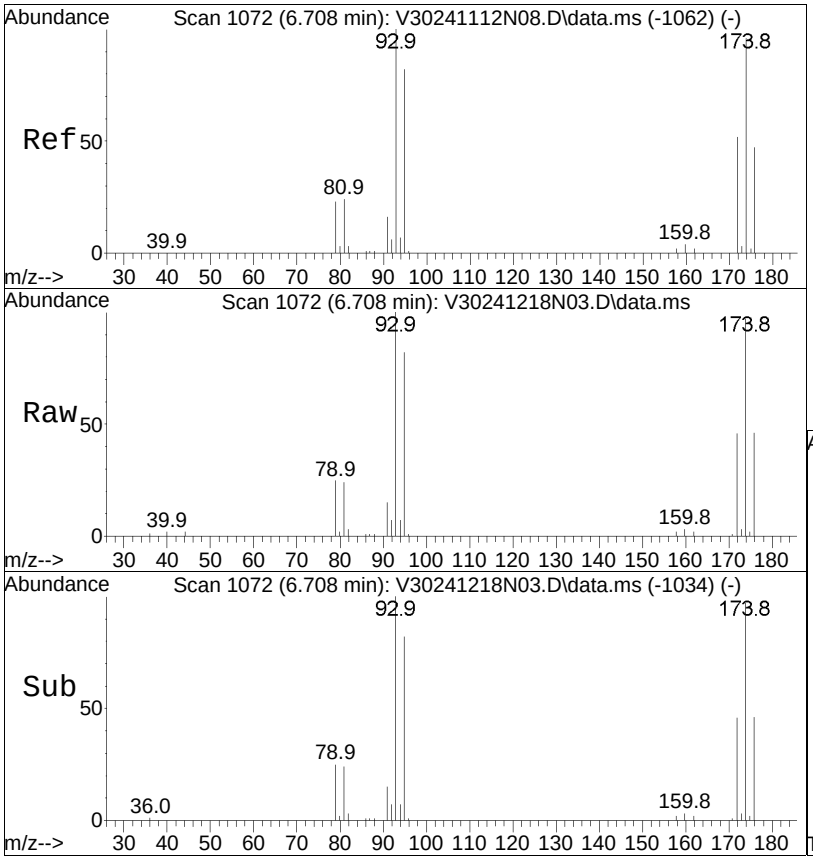


#52
Trichloroethene
Concen: 7.56 ug/L
RT: 6.267 min Scan# 988
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 95 Resp: 70526

Ion	Ratio	Lower	Upper
95	100		
97	67.8	53.8	80.6
130	97.1	71.4	107.0

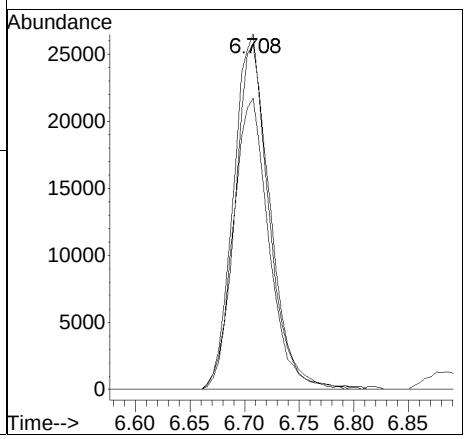


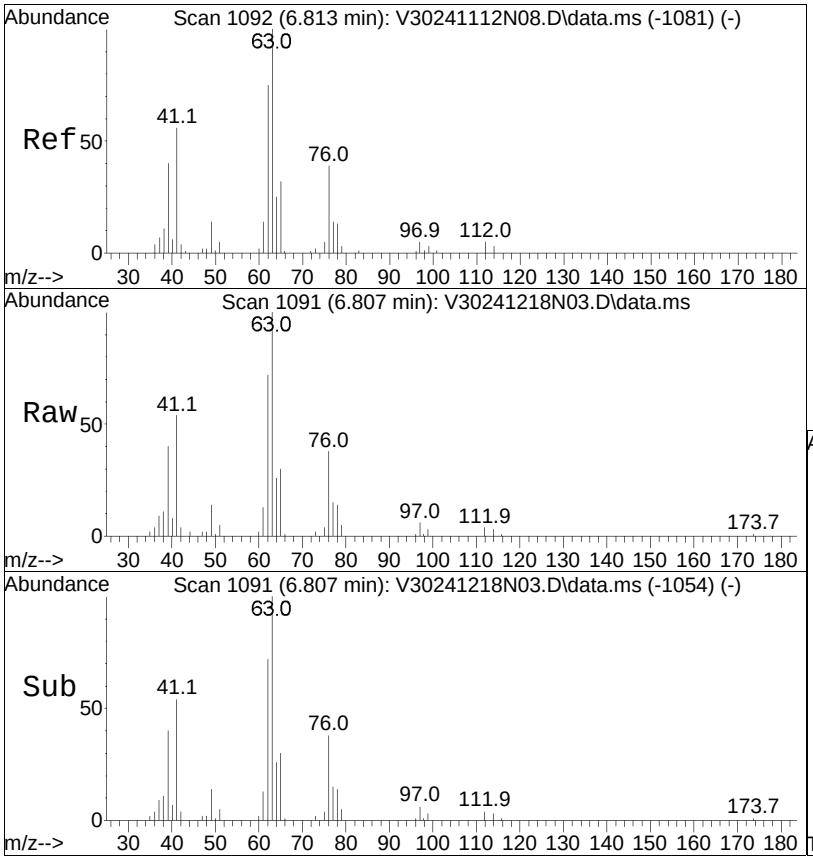


#54
Dibromomethane
Concen: 9.70 ug/L
RT: 6.708 min Scan# 1072
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 93 Resp: 59555

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.9	100.3
174	96.1	66.4	99.6

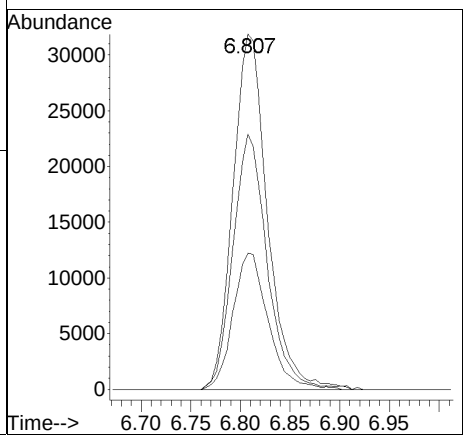


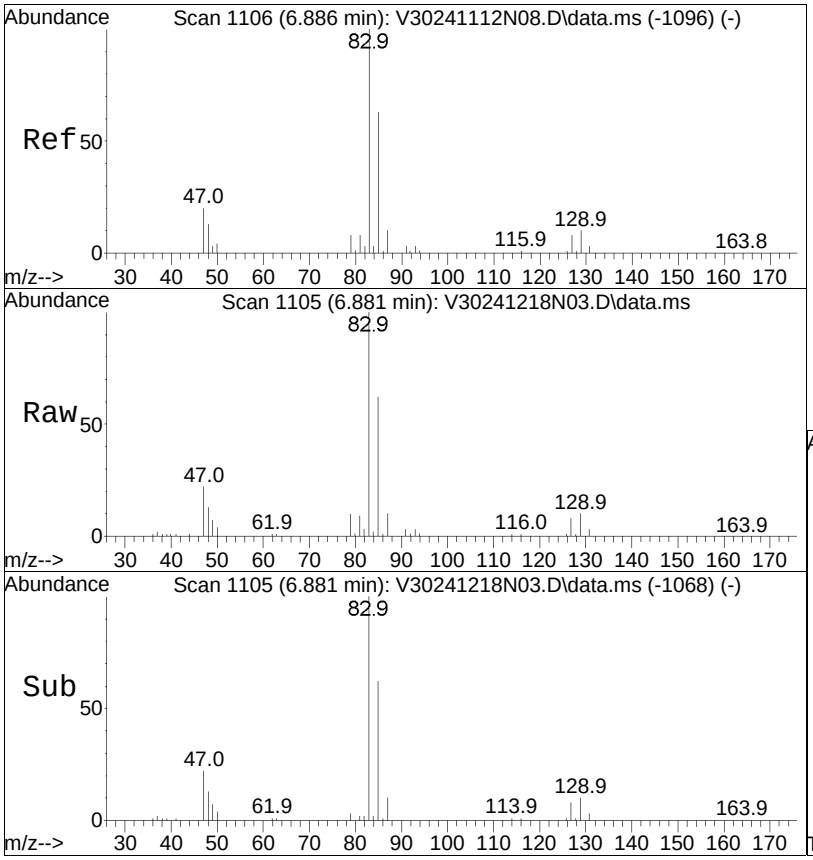


#55
1,2-Dichloropropane
Concen: 7.67 ug/L
RT: 6.807 min Scan# 1091
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 63 Resp: 77209

Ion	Ratio	Lower	Upper
63	100		
62	71.1	58.1	87.1
76	39.0	30.4	45.6

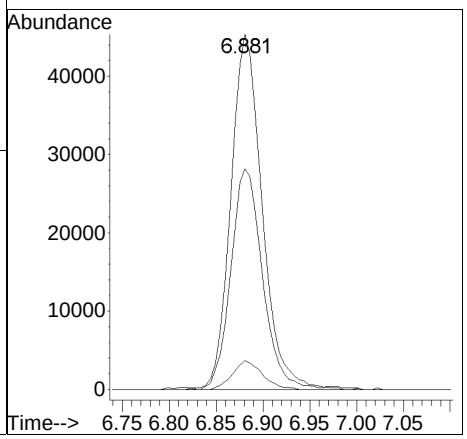


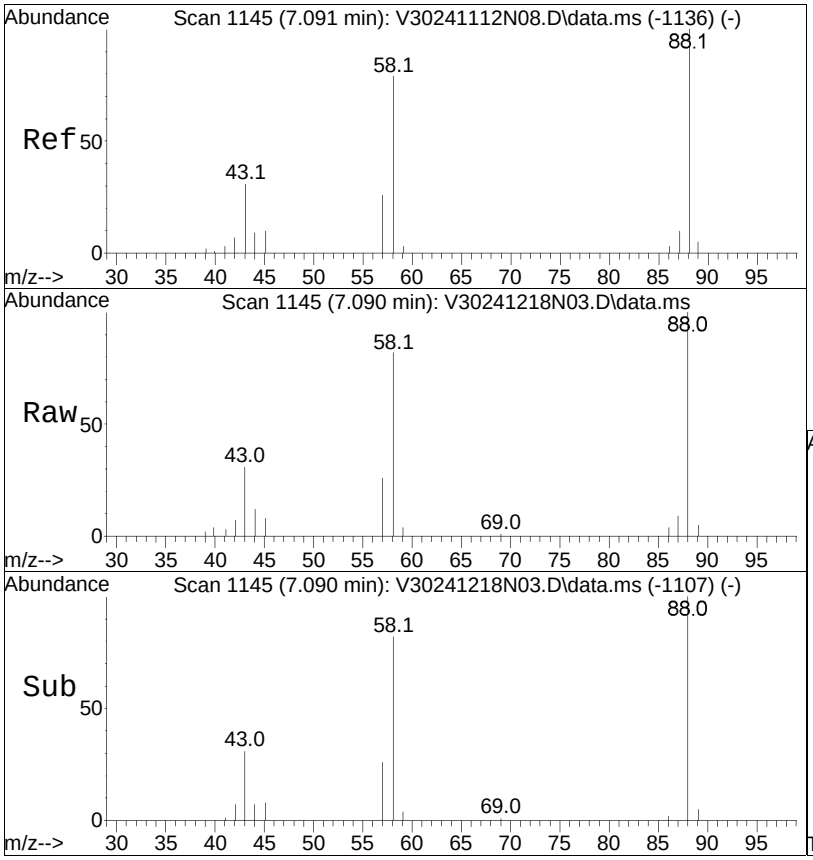


#58
Bromodichloromethane
Concen: 7.73 ug/L
RT: 6.881 min Scan# 1105
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 83 Resp: 105602

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.2	75.2
127	7.7	5.2	7.8

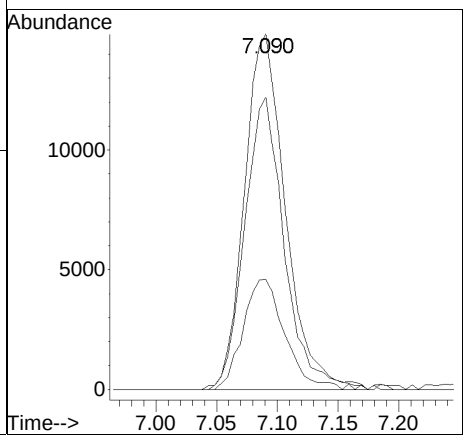


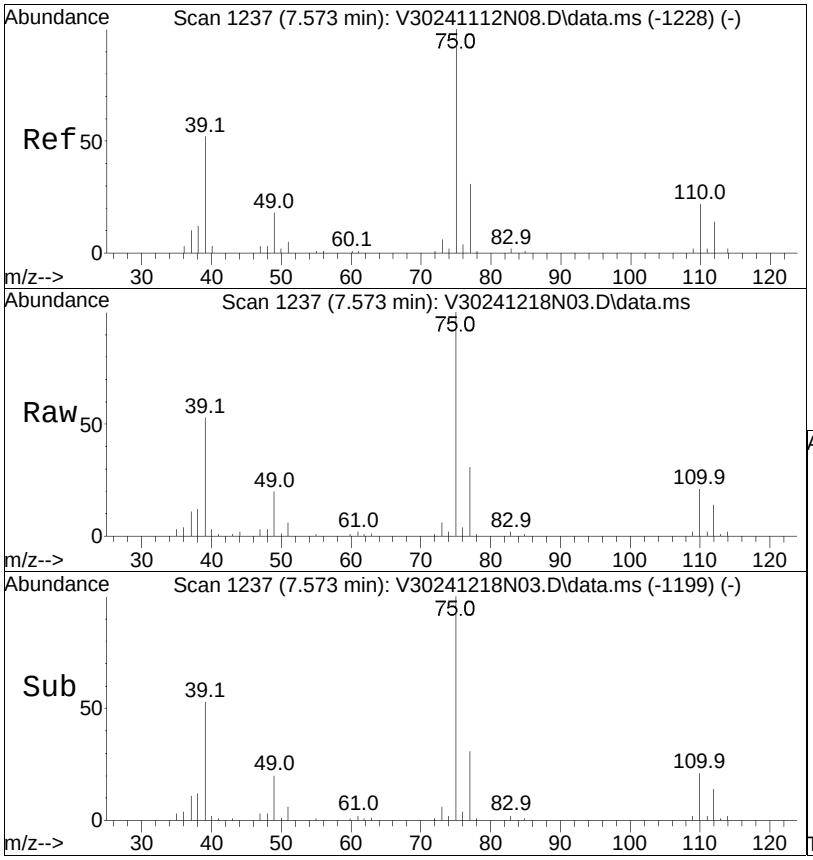


#61
1,4-Dioxane
Concen: 707.02 ug/L
RT: 7.090 min Scan# 1145
Delta R.T. -0.001 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 88 Resp: 34880

Ion	Ratio	Lower	Upper
88	100		
58	79.3	59.9	89.9
43	31.4	30.8	46.2

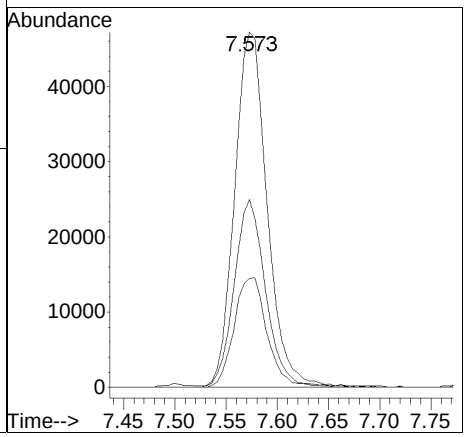


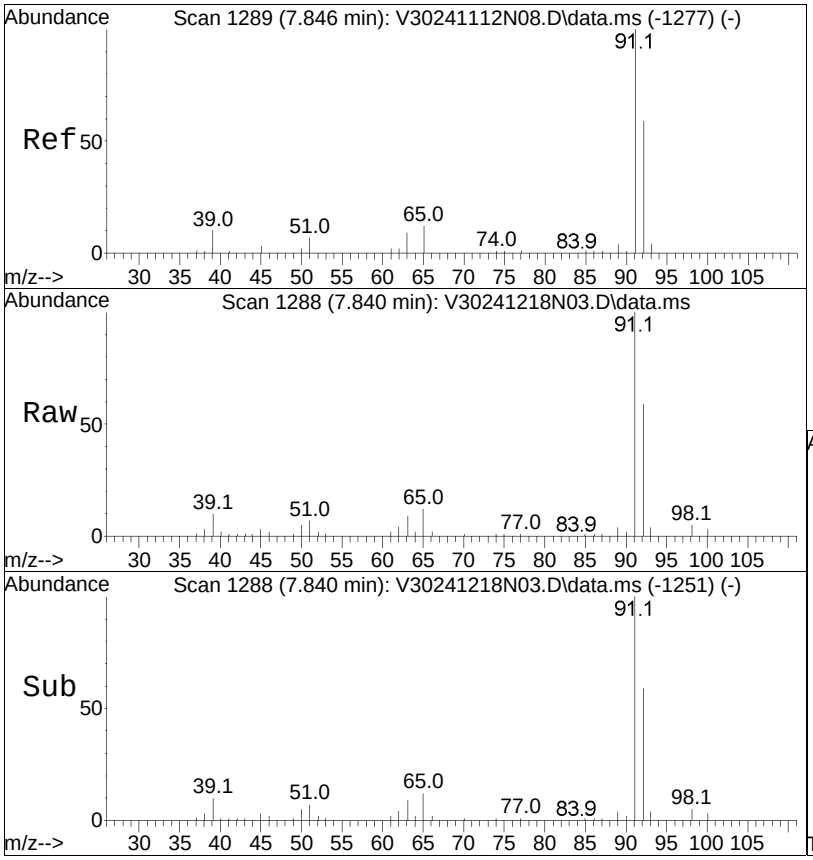


#62
cis-1,3-Dichloropropene
Concen: 7.48 ug/L
RT: 7.573 min Scan# 1237
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 75 Resp: 104625

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2
39	51.3	54.6	82.0#

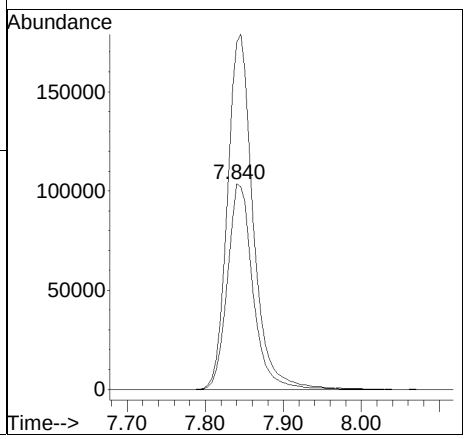


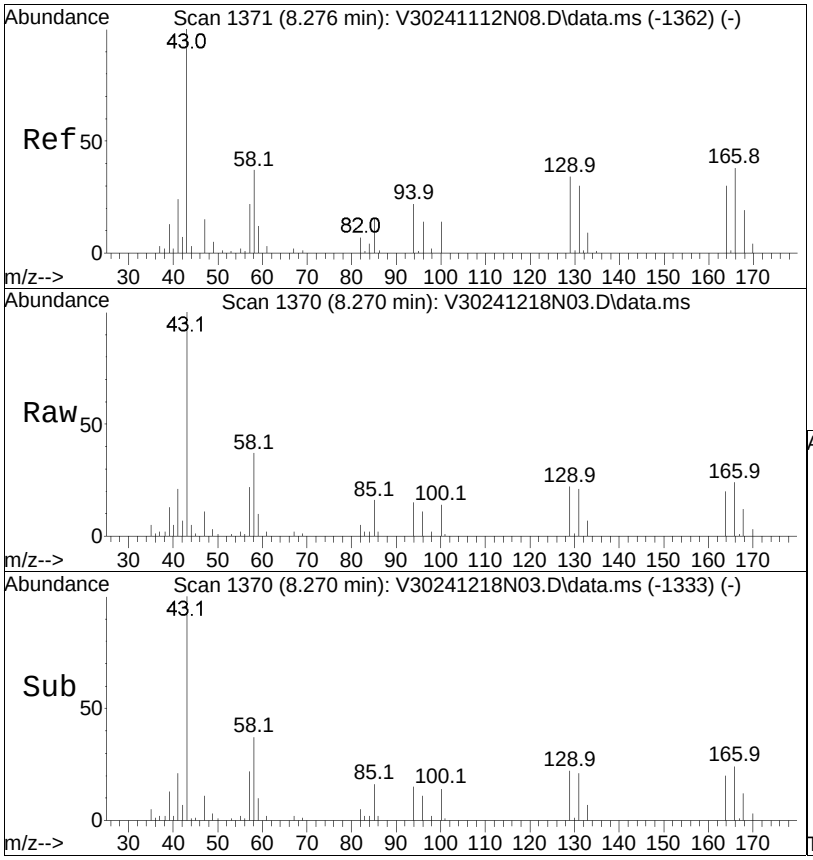


#65
Toluene
Concen: 8.91 ug/L
RT: 7.840 min Scan# 1288
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 92 Resp: 235781

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.5	206.3

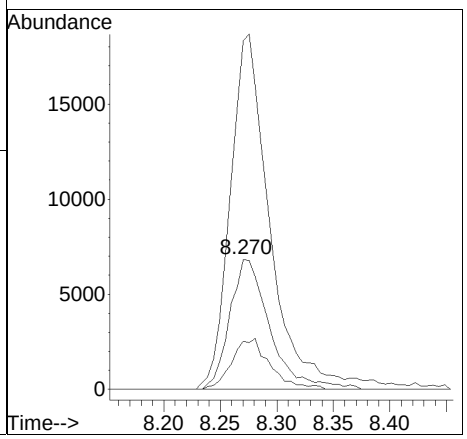


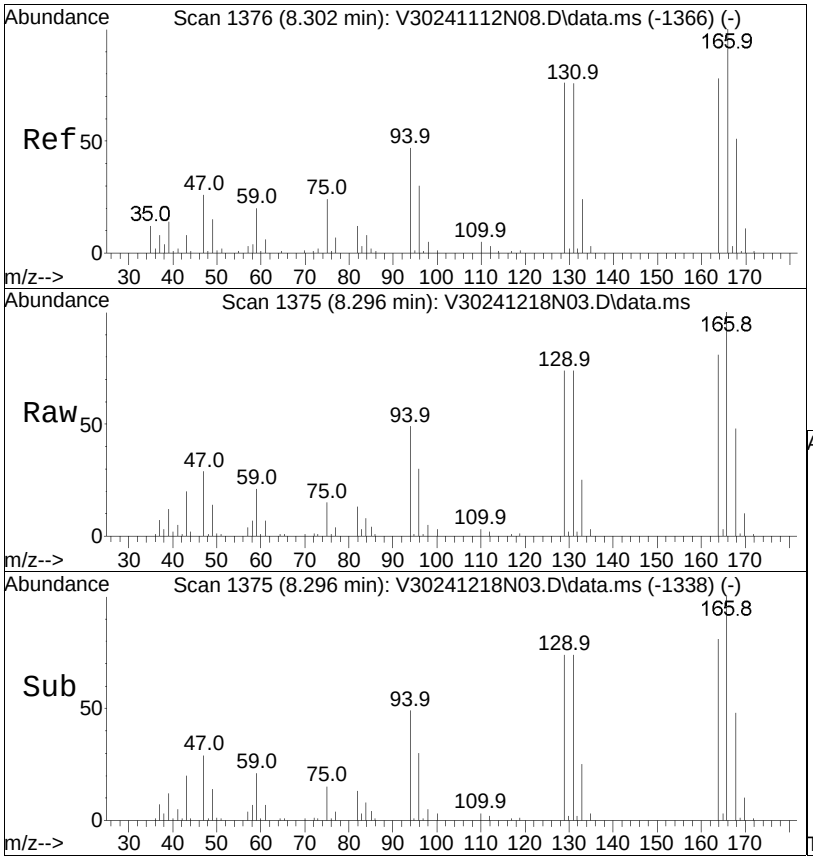


#66
4-Methyl-2-pentanone
Concen: 8.74 ug/L
RT: 8.270 min Scan# 1370
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 58 Resp: 16946

Ion	Ratio	Lower	Upper
58	100		
100	37.2	22.6	34.0#
43	272.9	234.6	351.8

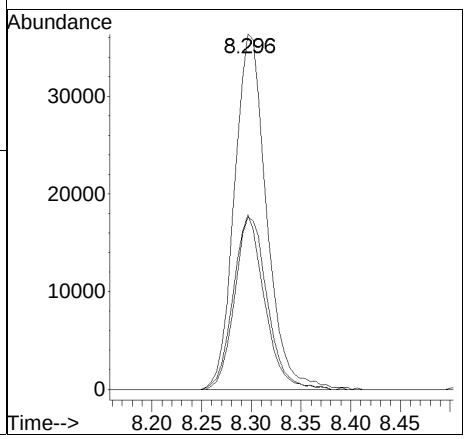


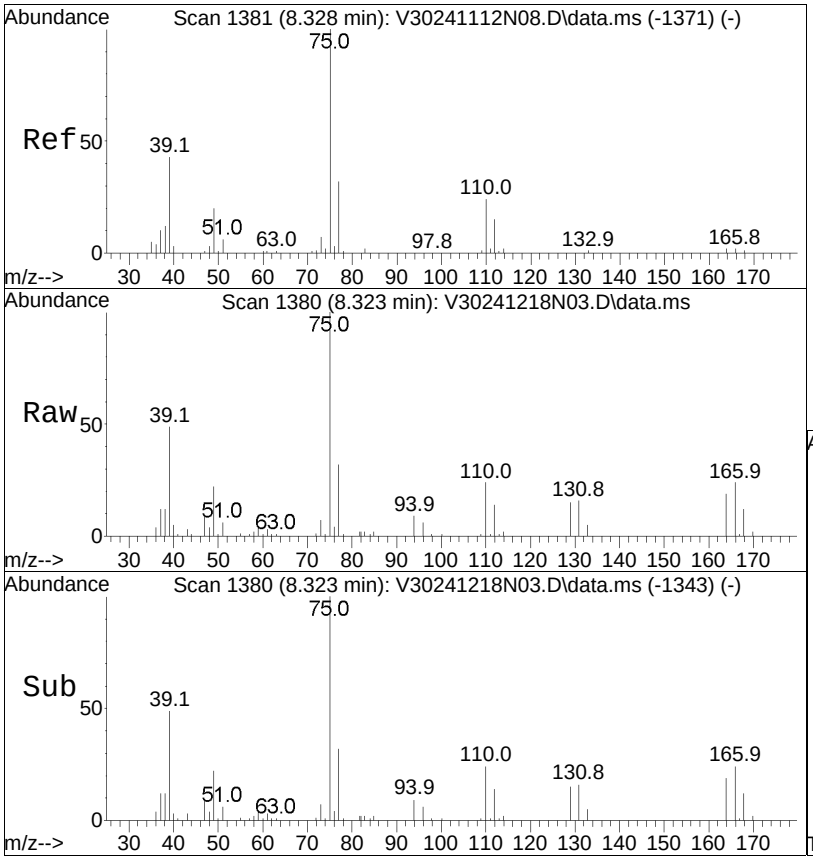


#67
Tetrachloroethene
Concen: 8.53 ug/L
RT: 8.296 min Scan# 1375
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:166 Resp: 81882

Ion	Ratio	Lower	Upper
166	100		
168	49.1	38.6	58.0
94	47.8	42.6	63.8

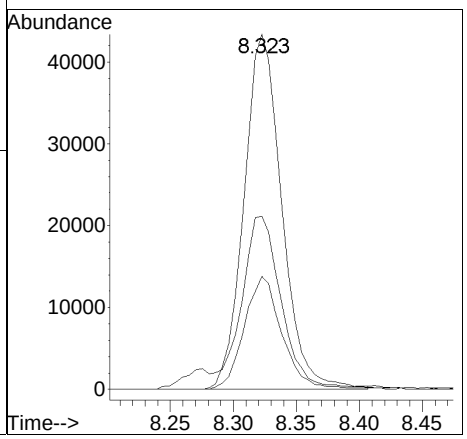


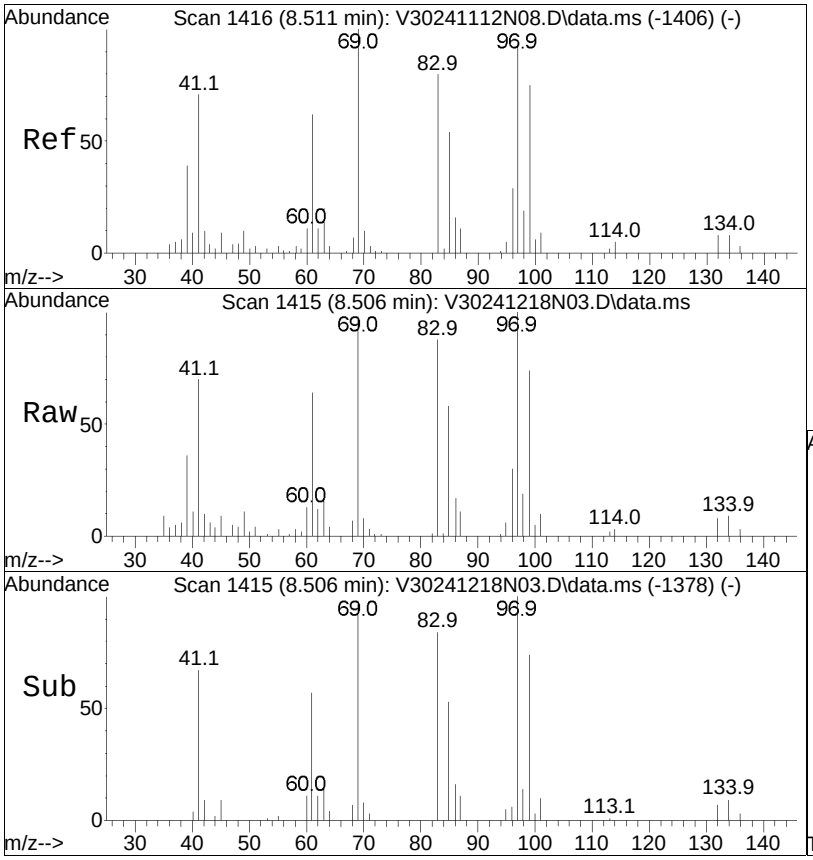


#69
trans-1,3-Dichloropropene
Concen: 7.41 ug/L
RT: 8.323 min Scan# 1380
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 75 Resp: 90740

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	50.3	60.2	90.4#

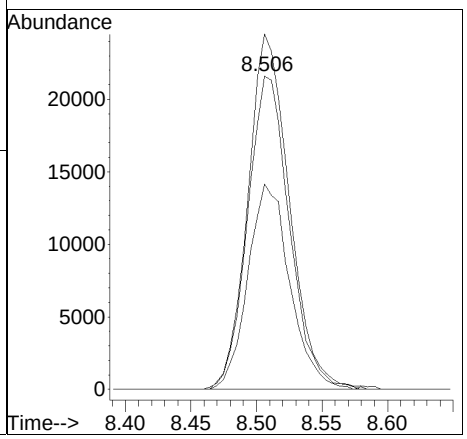


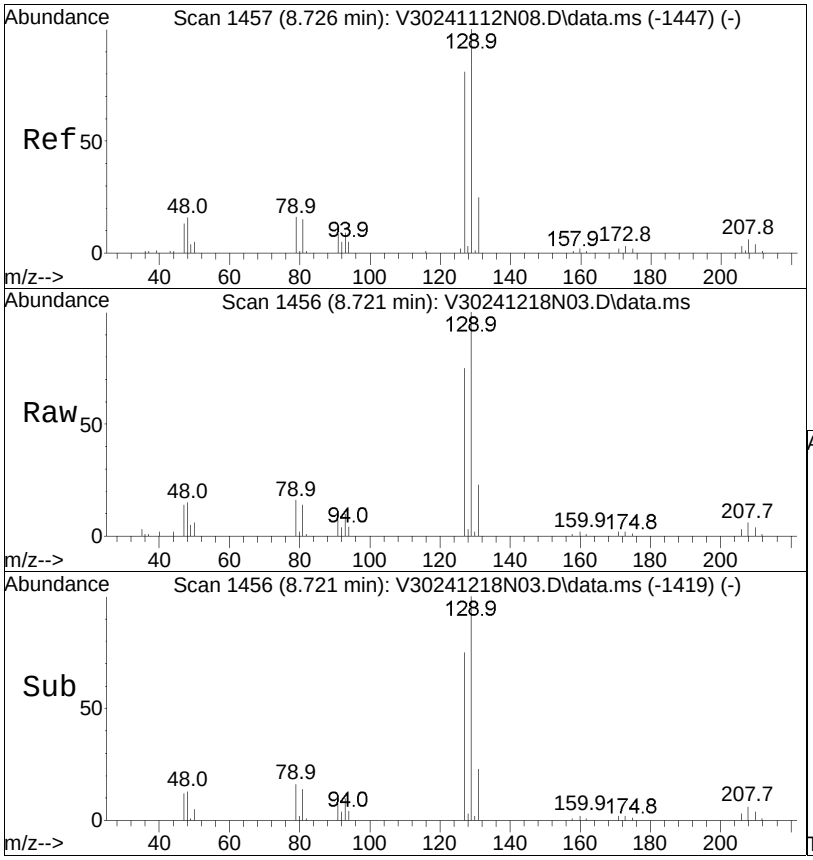


#72
1,1,2-Trichloroethane
Concen: 8.16 ug/L
RT: 8.506 min Scan# 1415
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 83 Resp: 48028

Ion	Ratio	Lower	Upper
83	100		
97	112.6	87.7	131.5
85	65.9	53.1	79.7

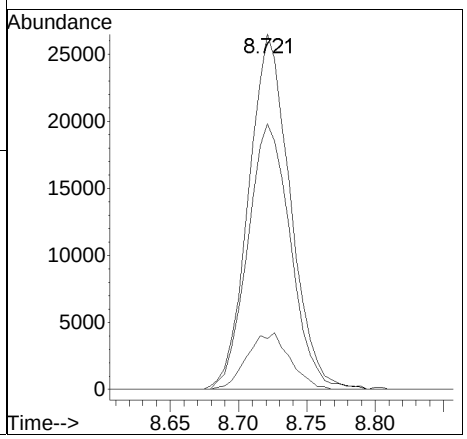


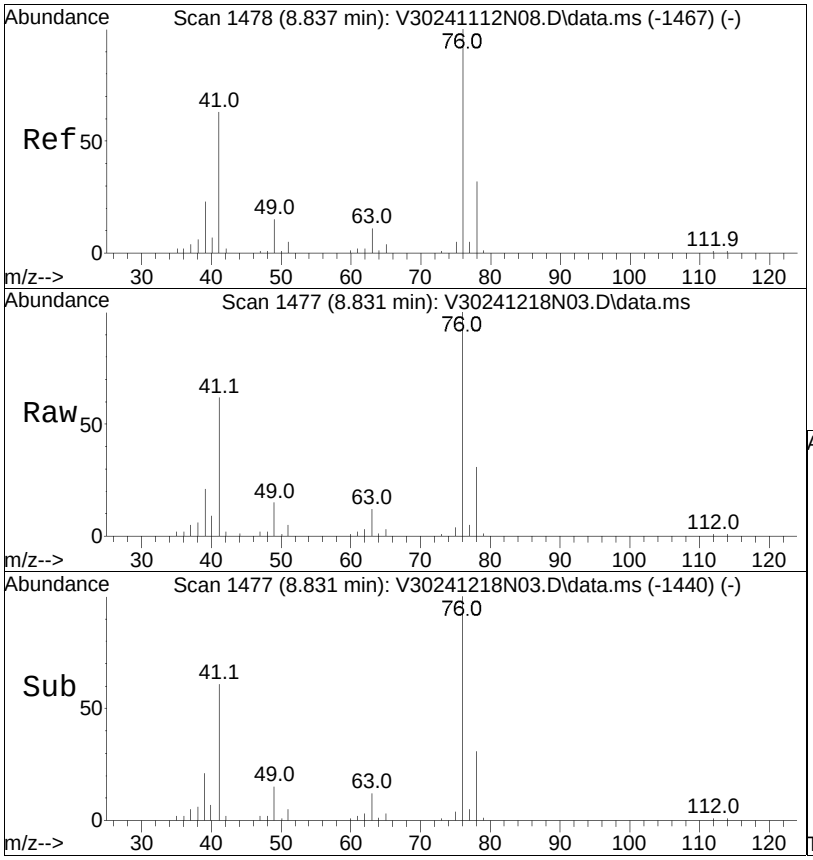


#73
Chlorodibromomethane
Concen: 7.00 ug/L
RT: 8.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:129 Resp: 56286

Ion	Ratio	Lower	Upper
129	100		
81	16.3	14.6	22.0
127	77.1	62.6	93.8

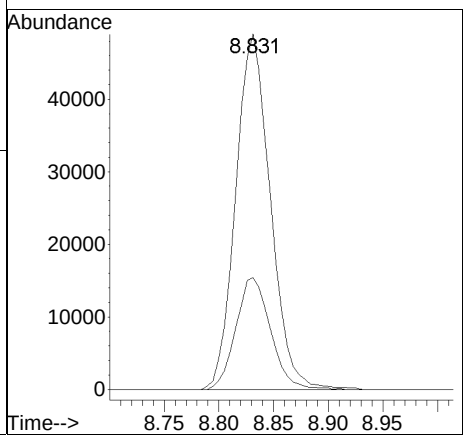


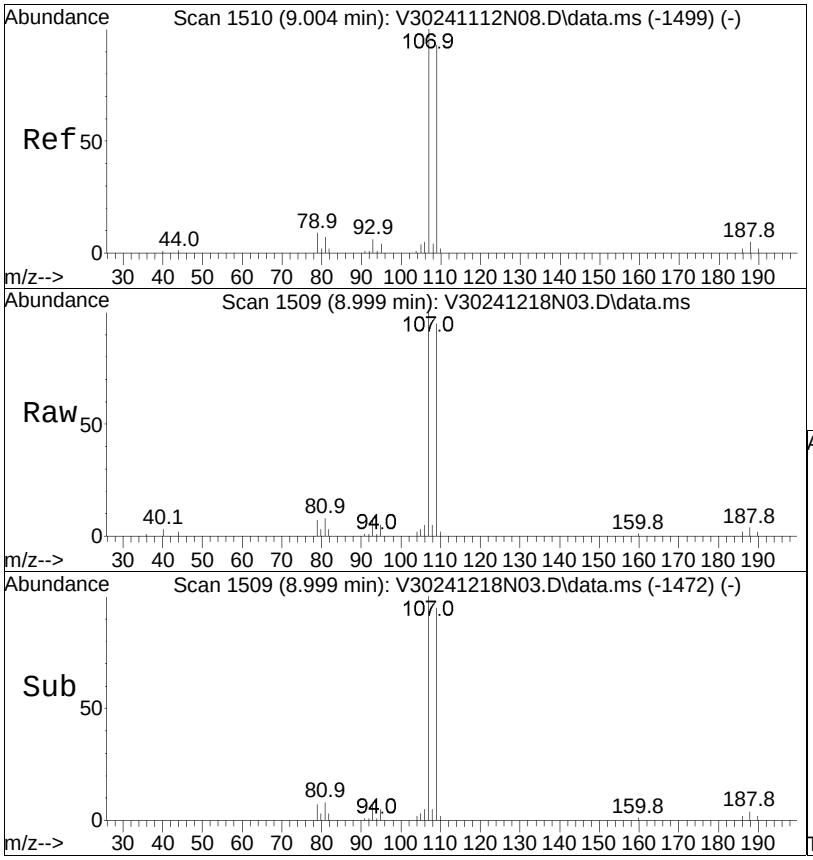


#74
1,3-Dichloropropane
Concen: 8.32 ug/L
RT: 8.831 min Scan# 1477
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 76 Resp: 107899

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9

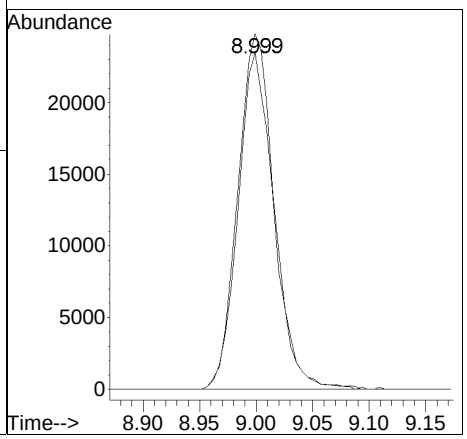


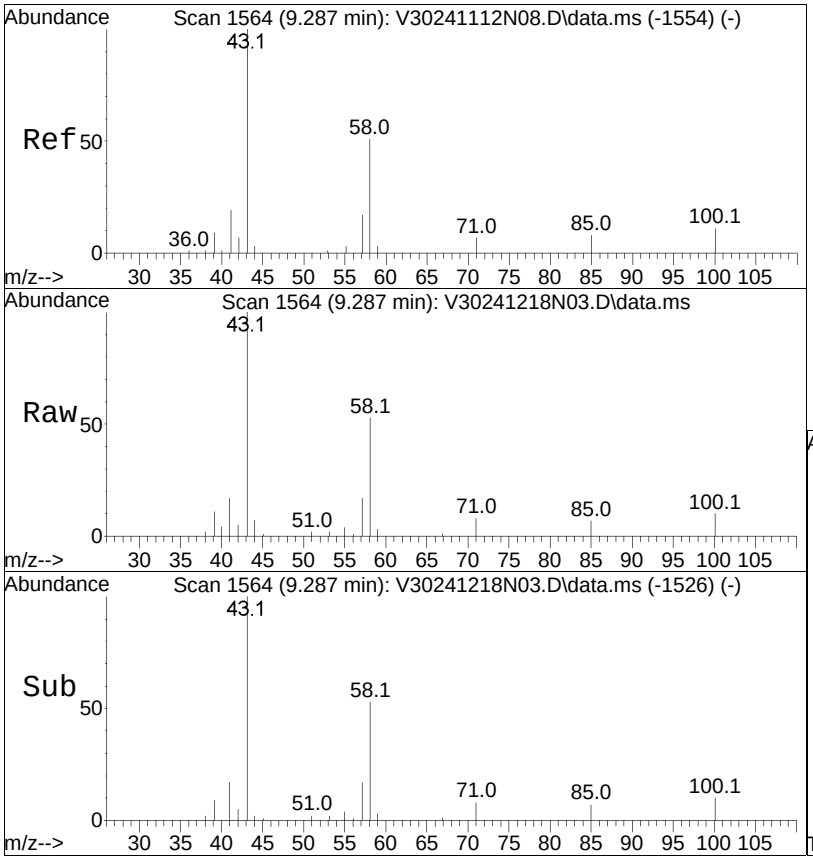


#75
1,2-Dibromoethane
Concen: 8.94 ug/L
RT: 8.999 min Scan# 1509
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:107 Resp: 55899

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.0	112.4

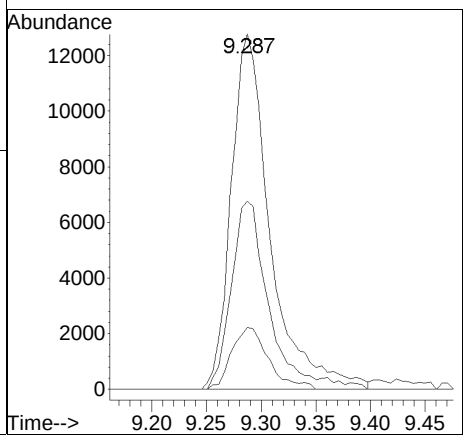


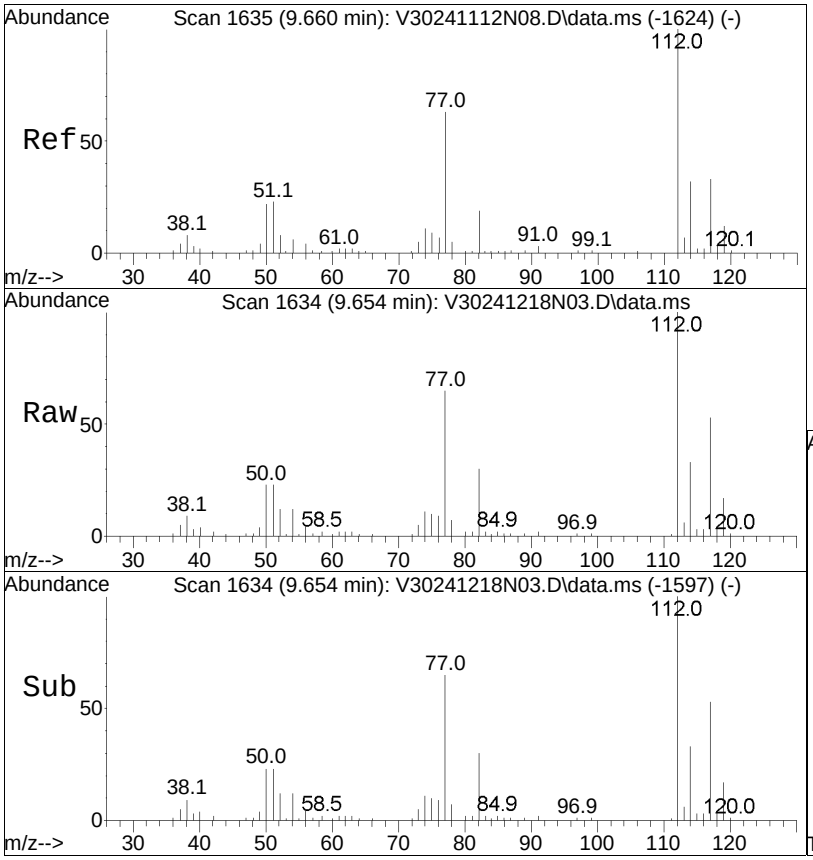


#77
2-Hexanone
Concen: 8.91 ug/L
RT: 9.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 43 Resp: 31717

Ion	Ratio	Lower	Upper
43	100		
58	51.4	38.6	58.0
57	16.6	14.1	21.1

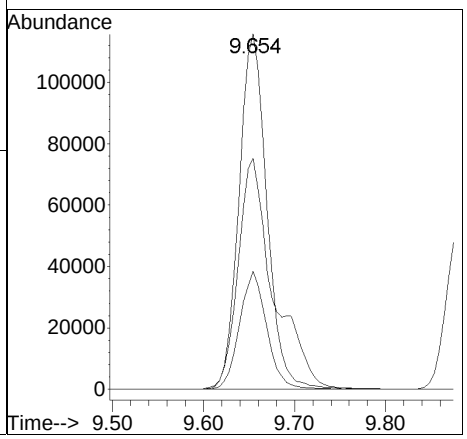


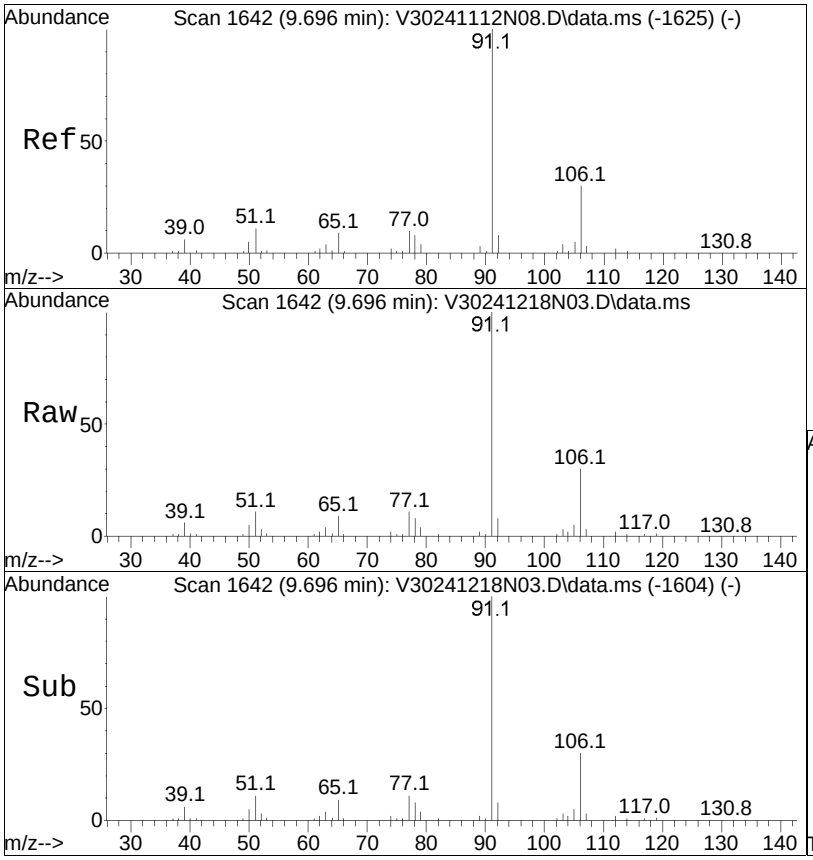


#78
Chlorobenzene
Concen: 8.75 ug/L
RT: 9.654 min Scan# 1634
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:112 Resp: 246726

Ion	Ratio	Lower	Upper
112	100		
77	82.8	54.8	82.2#
114	32.4	25.4	38.0

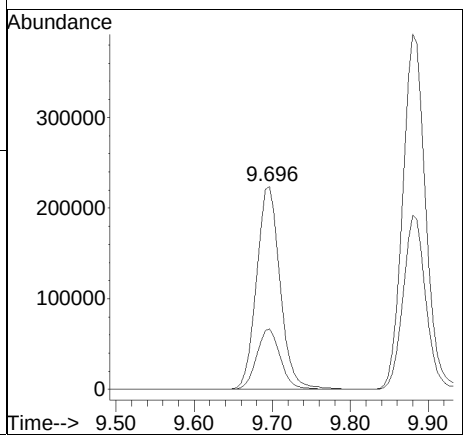


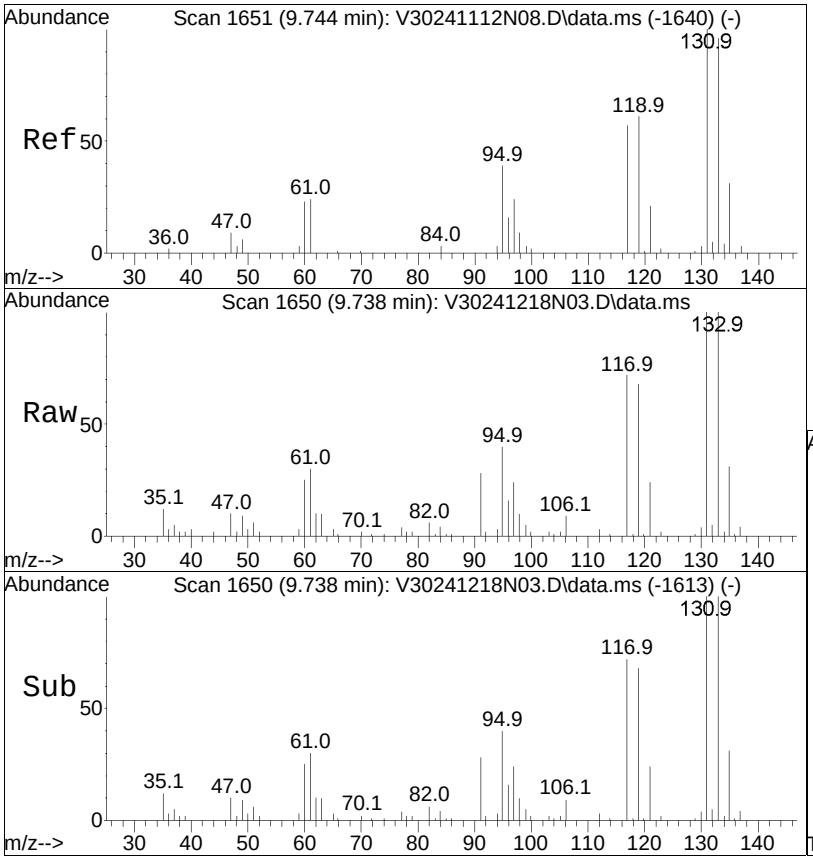


#79
Ethylbenzene
Concen: 9.06 ug/L
RT: 9.696 min Scan# 1642
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 91 Resp: 471692

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.4	35.2

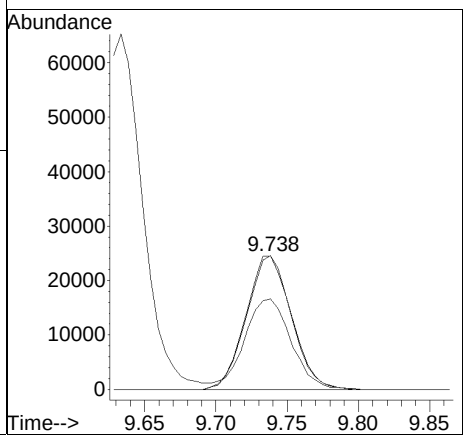


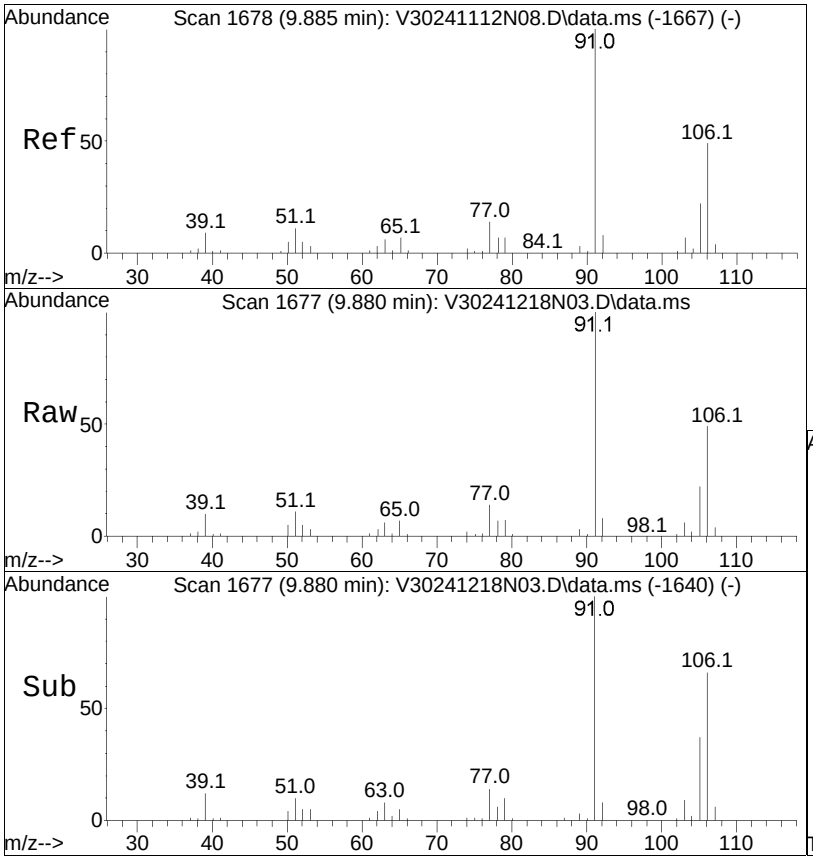


#80
1,1,1,2-Tetrachloroethane
Concen: 7.24 ug/L
RT: 9.738 min Scan# 1650
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:131 Resp: 54931

Ion	Ratio	Lower	Upper
131	100		
133	96.9	76.0	114.0
119	69.3	54.7	82.1

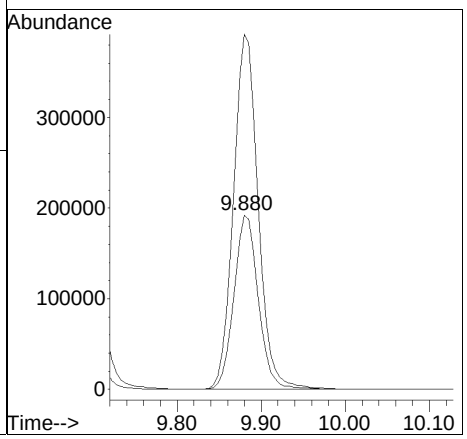


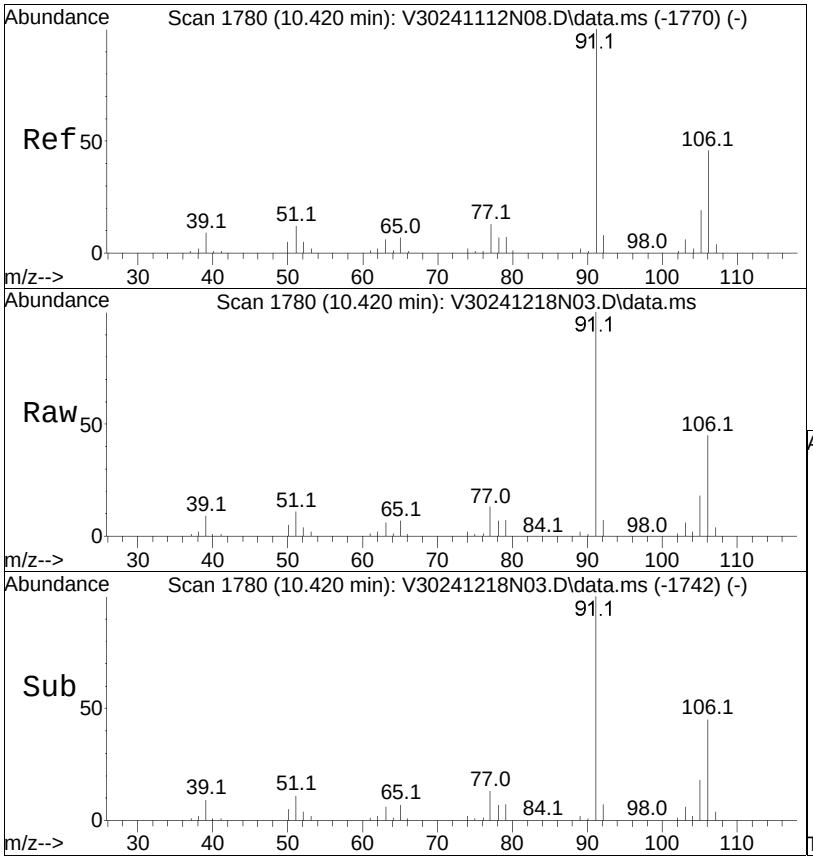


#81
p/m Xylene
Concen: 18.56 ug/L
RT: 9.880 min Scan# 1677
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:106 Resp: 388585

Ion	Ratio	Lower	Upper
106	100		
91	205.5	171.4	257.2

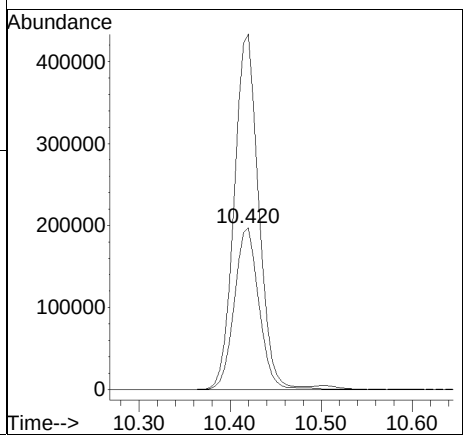


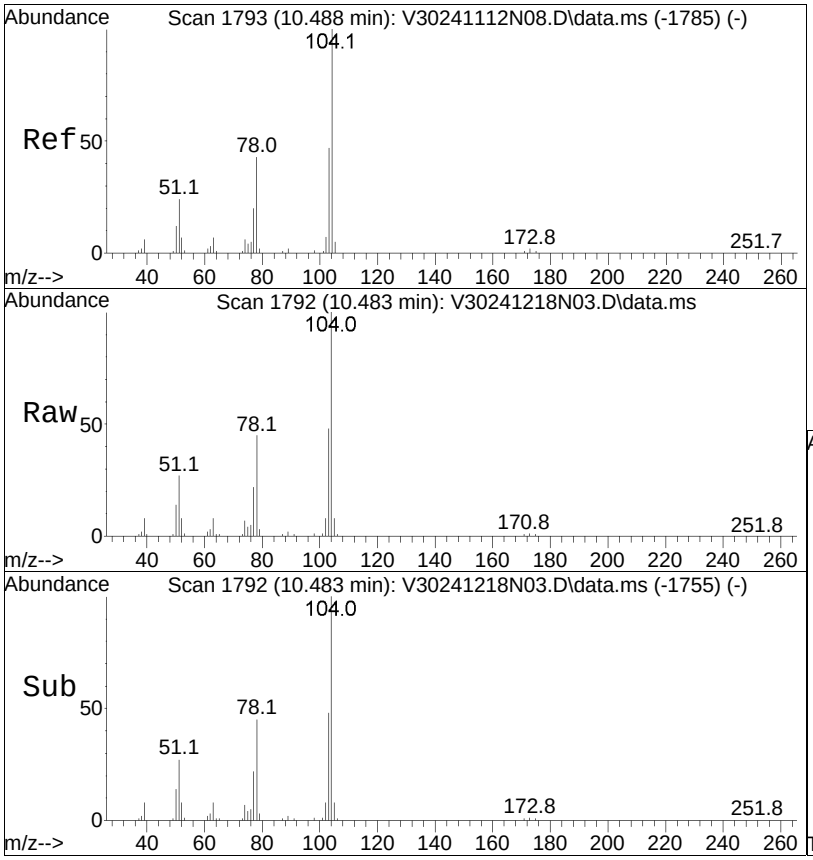


#82
o Xylene
Concen: 18.38 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:106 Resp: 370335

Ion	Ratio	Lower	Upper
106	100		
91	217.9	179.2	268.8

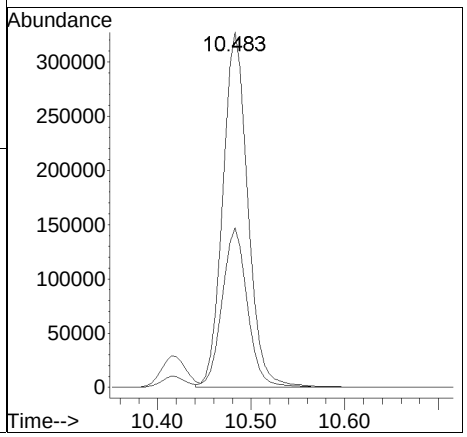


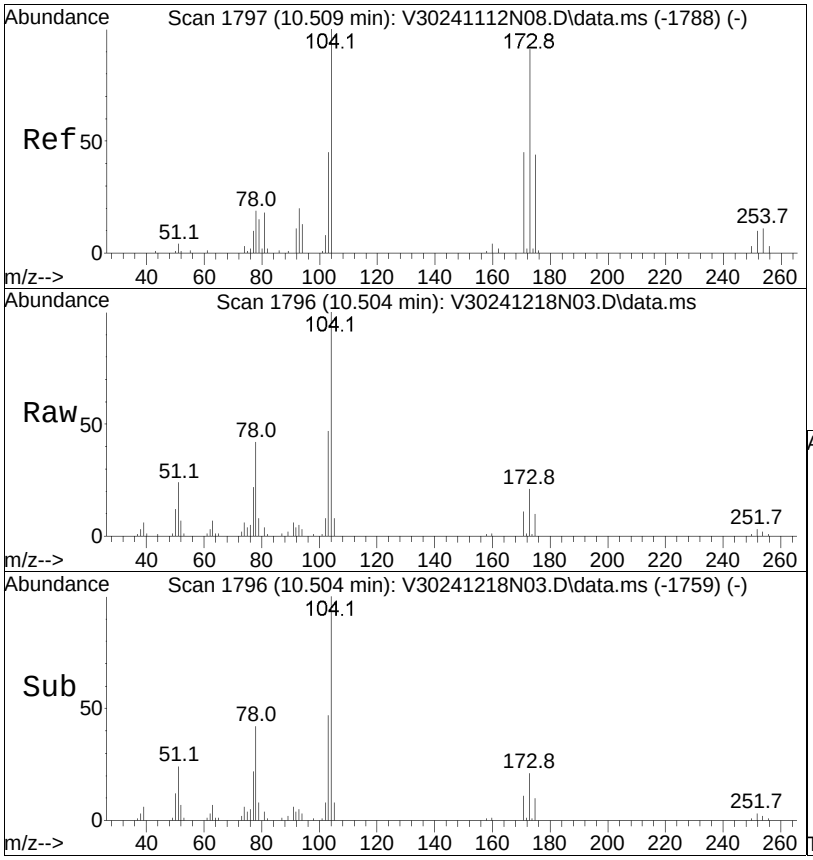


#83
Styrene
Concen: 18.38 ug/L
RT: 10.483 min Scan# 1792
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:104 Resp: 608355

Ion	Ratio	Lower	Upper
104	100		
78	44.9	38.1	57.1

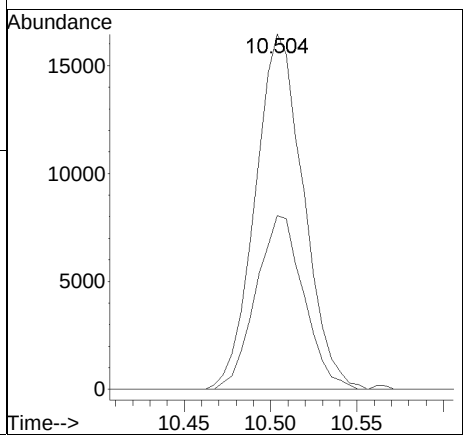


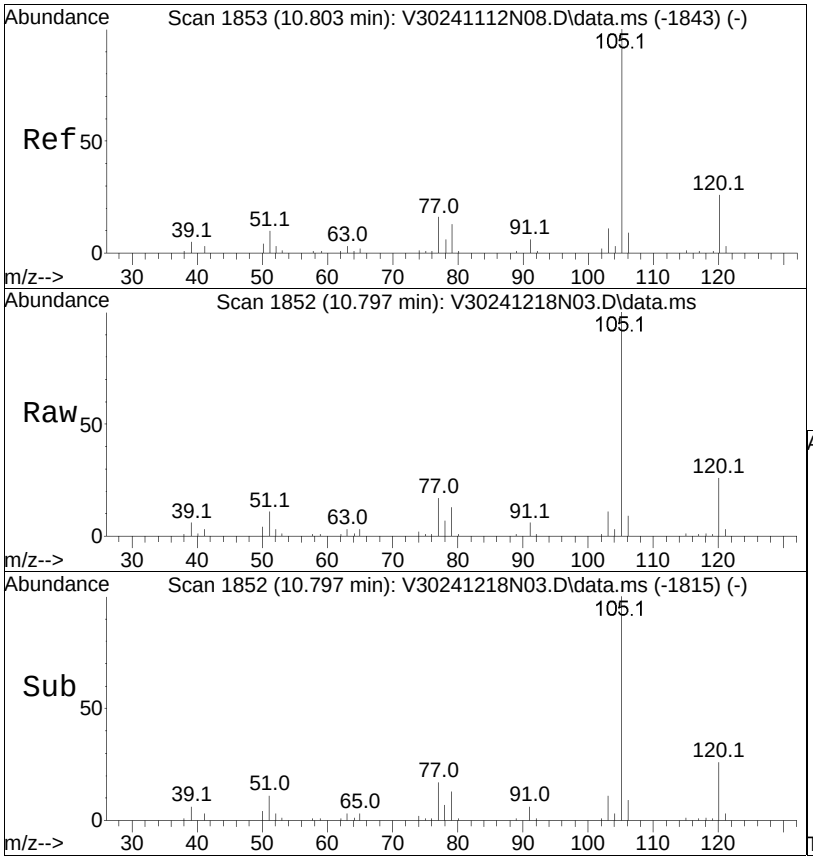


#85
Bromoform
Concen: 6.71 ug/L
RT: 10.504 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:173 Resp: 32096

Ion	Ratio	Lower	Upper
173	100		
175	48.4	37.8	56.6

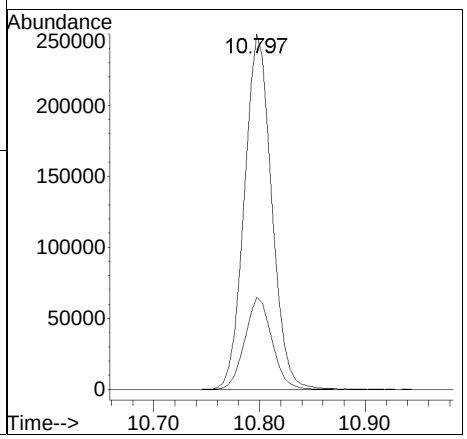


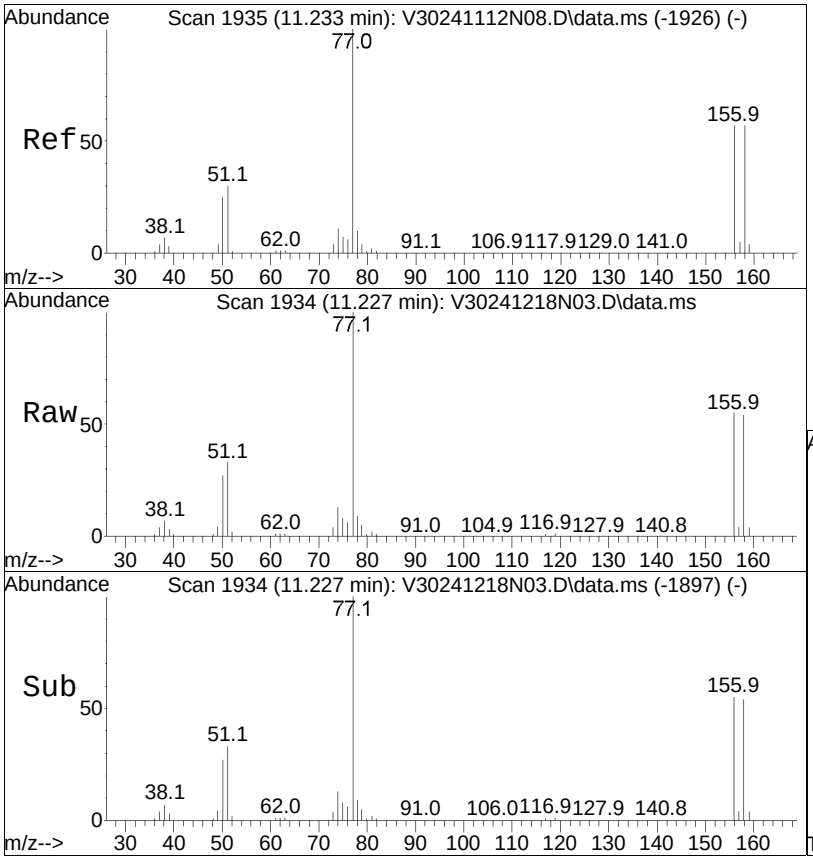


#87
Isopropylbenzene
Concen: 8.69 ug/L
RT: 10.797 min Scan# 1852
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:105 Resp: 448280

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.0	30.0

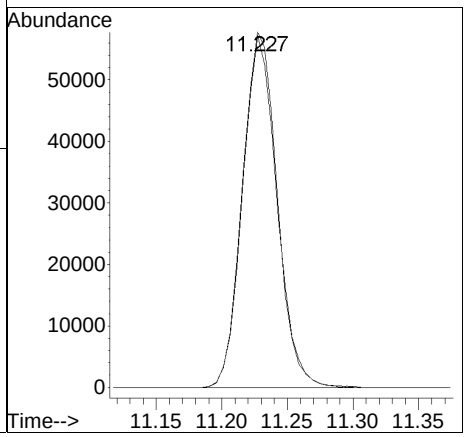


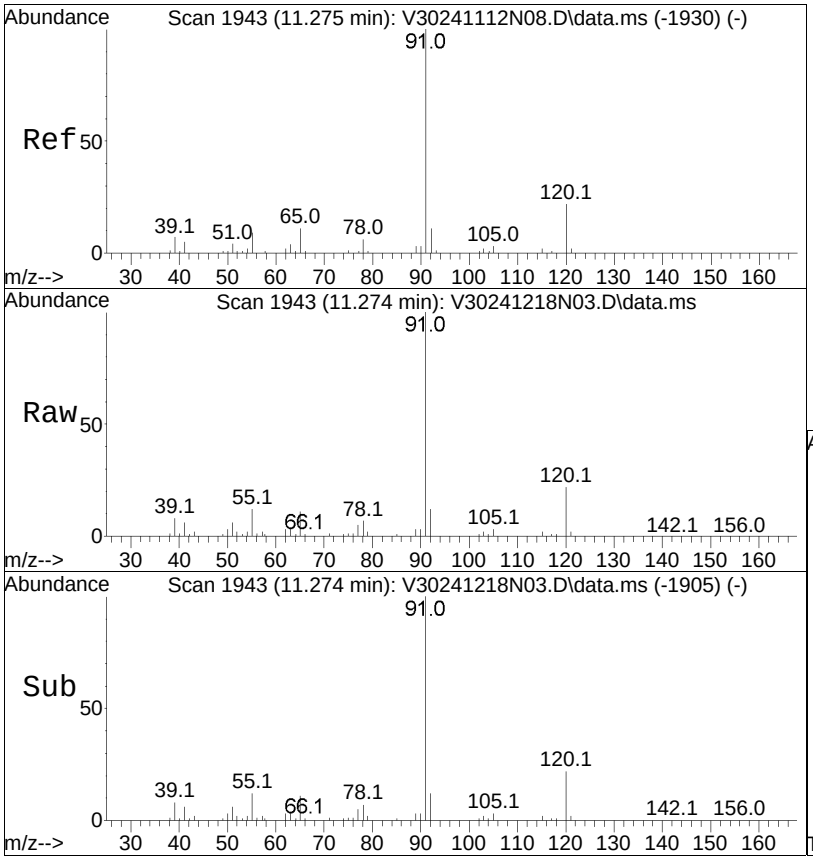


#89
Bromobenzene
Concen: 8.52 ug/L
RT: 11.227 min Scan# 1934
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:156 Resp: 106382

Ion	Ratio	Lower	Upper
156	100		
158	97.6	78.3	117.5

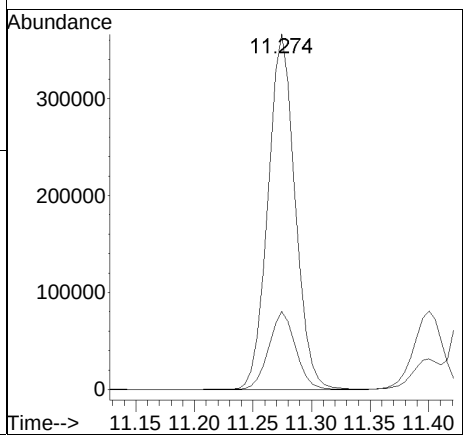


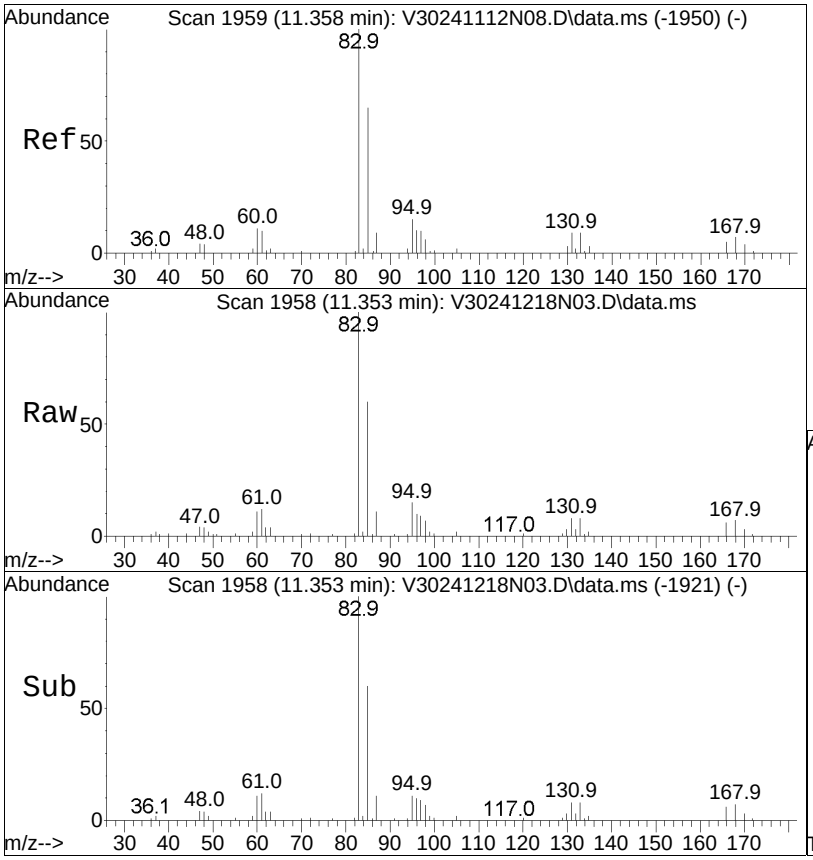


#90
n-Propylbenzene
Concen: 9.09 ug/L
RT: 11.274 min Scan# 1943
Delta R.T. -0.001 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 91 Resp: 590485

Ion	Ratio	Lower	Upper
91	100		
120	21.5	16.3	24.5

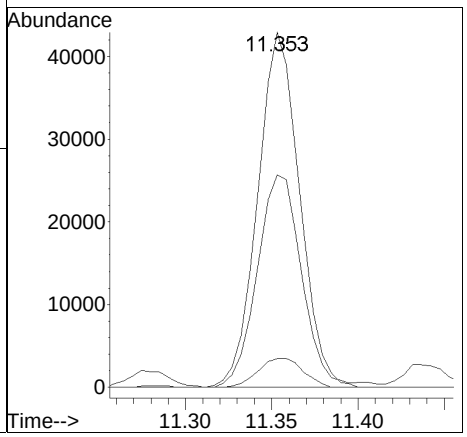


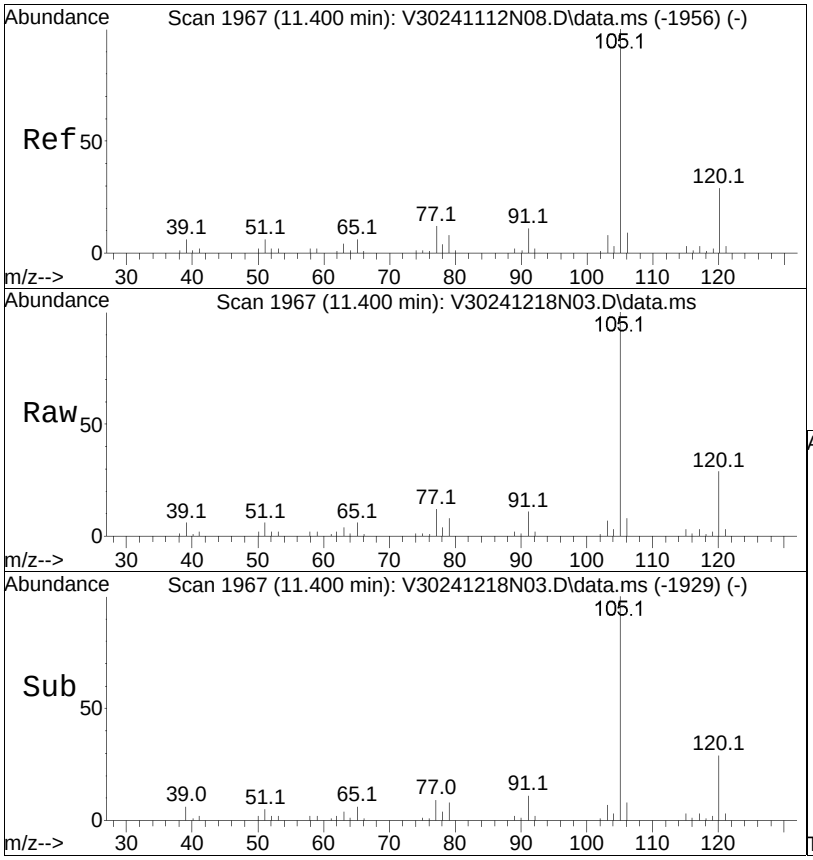


#92
1,1,2,2-Tetrachloroethane
Concen: 8.96 ug/L
RT: 11.353 min Scan# 1958
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 83 Resp: 72411

Ion	Ratio	Lower	Upper
83	100		
131	8.8	6.6	10.0
85	64.1	51.8	77.6

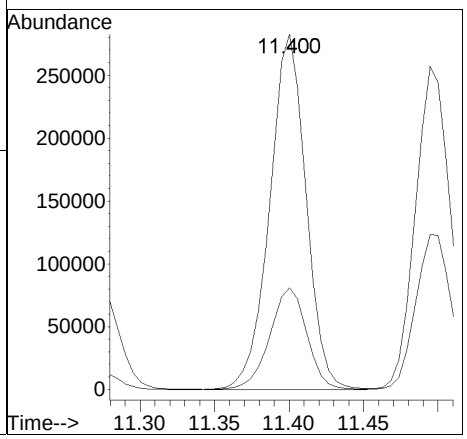


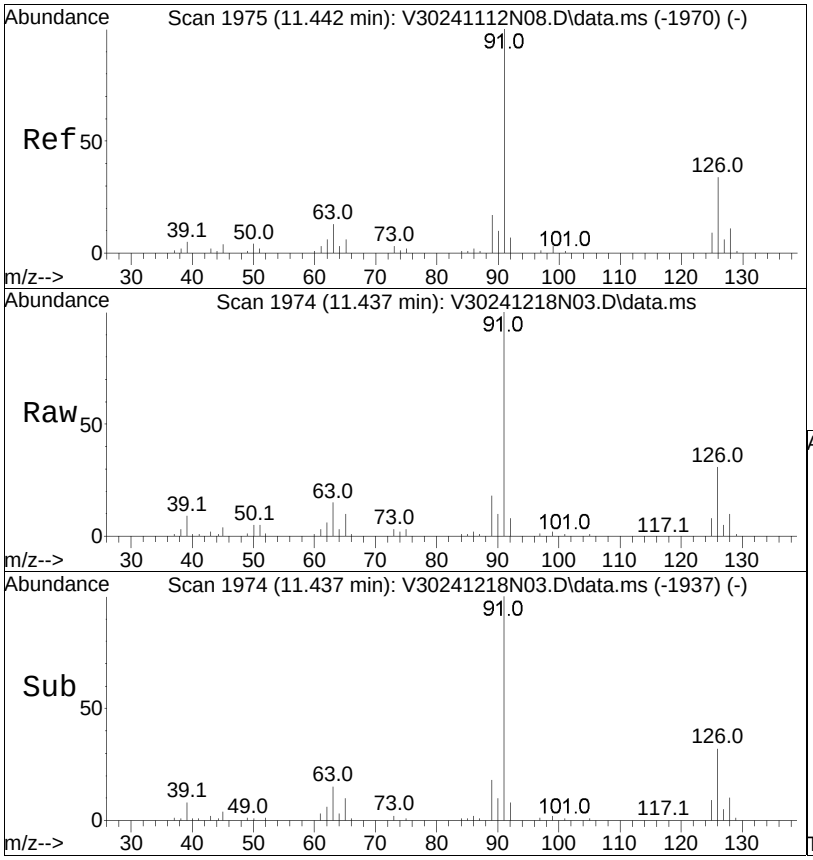


#93
4-Ethyltoluene
Concen: 8.89 ug/L
RT: 11.400 min Scan# 1967
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:105 Resp: 478643

Ion	Ratio	Lower	Upper
105	100		
120	29.1	18.5	38.3

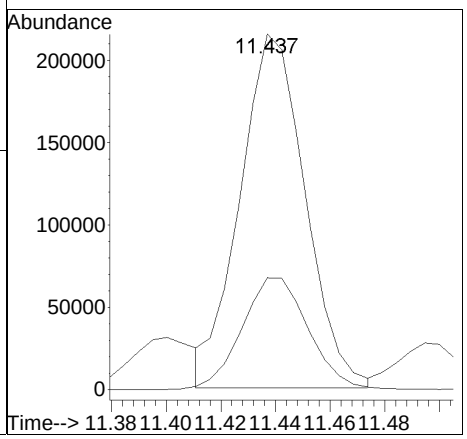


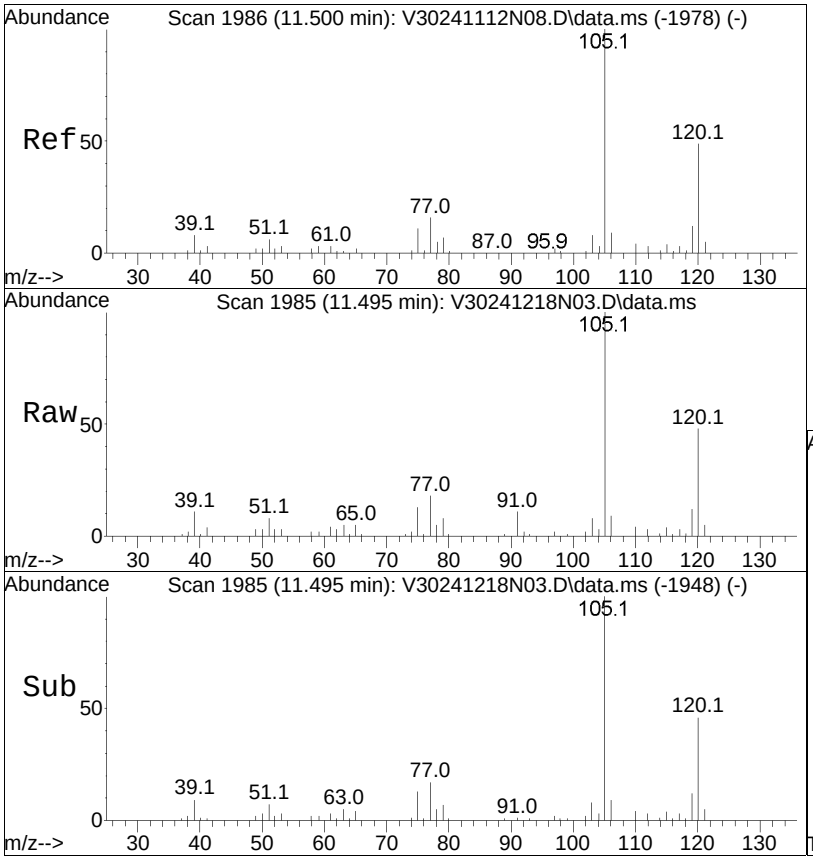


#94
2-Chlorotoluene
Concen: 8.95 ug/L
RT: 11.437 min Scan# 1974
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 91 Resp: 356500

Ion	Ratio	Lower	Upper
91	100		
126	32.2	20.6	31.0#

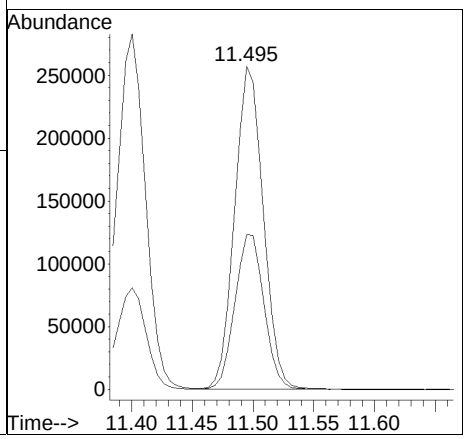


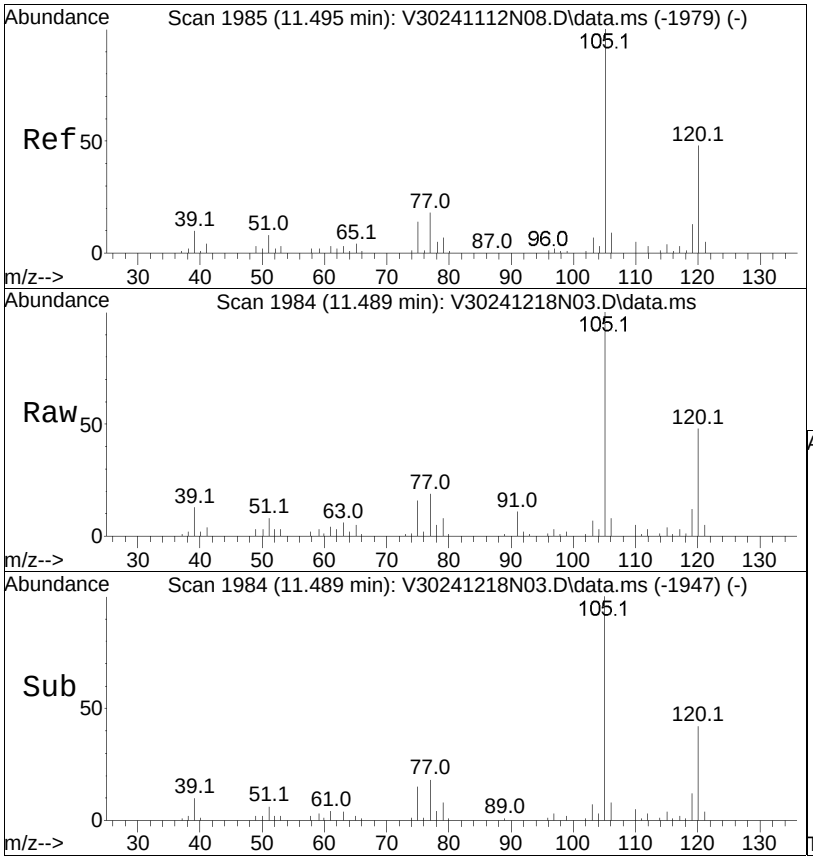


#95
1,3,5-Trimethylbenzene
Concen: 8.95 ug/L
RT: 11.495 min Scan# 1985
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:105 Resp: 421779

Ion	Ratio	Lower	Upper
105	100		
120	48.8	37.8	56.6

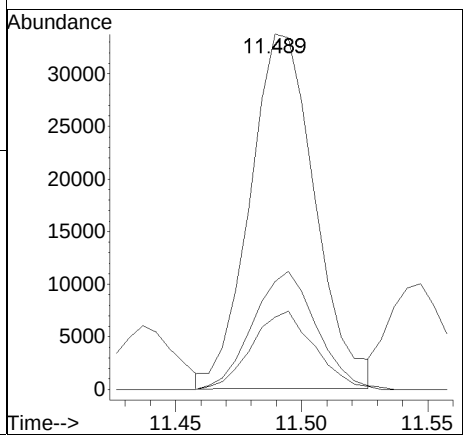


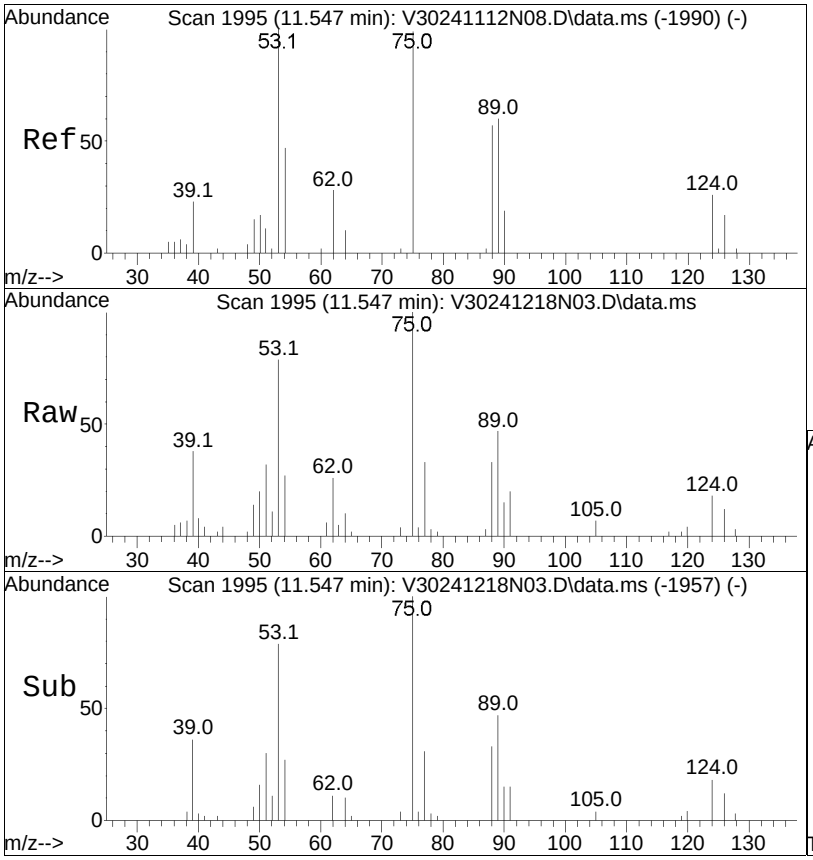


#96
1,2,3-Trichloropropane
Concen: 9.17 ug/L
RT: 11.489 min Scan# 1984
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 75 Resp: 60487

Ion	Ratio	Lower	Upper
75	100		
110	32.4	18.4	38.2
112	21.3	12.0	25.0

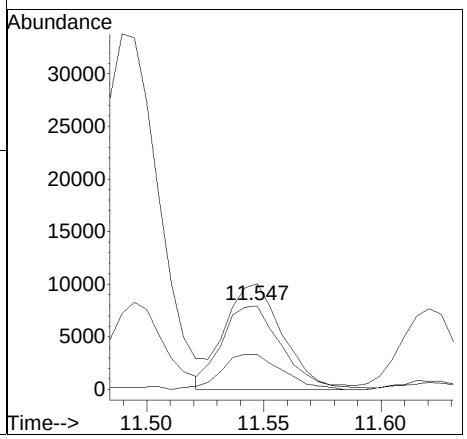


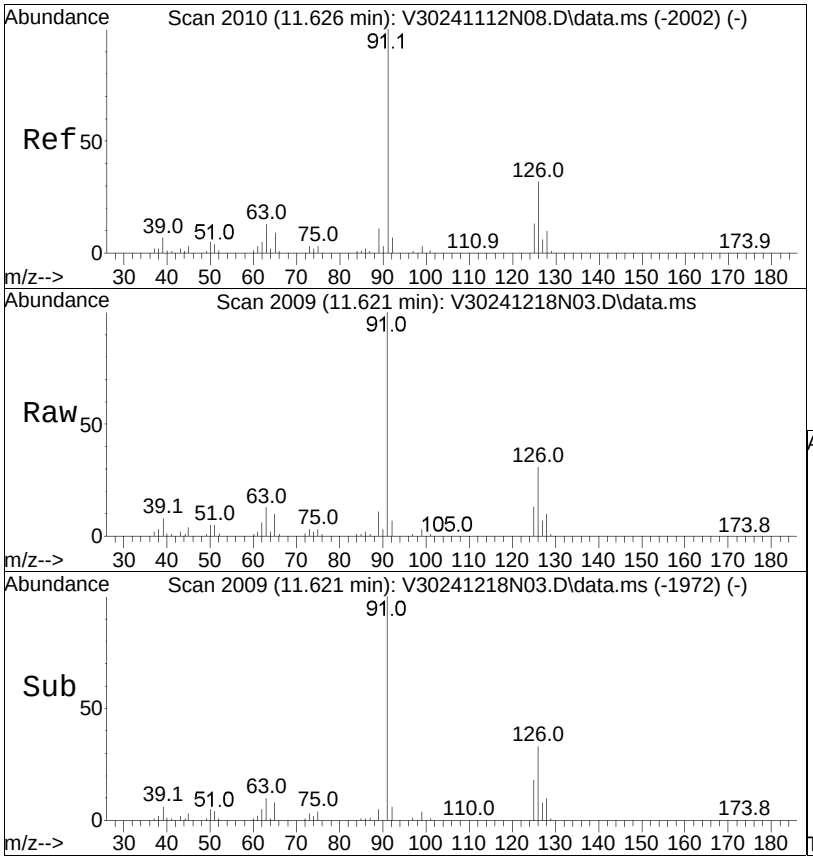


#97
trans-1,4-Dichloro-2-butene
Concen: 7.17 ug/L
RT: 11.547 min Scan# 1995
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 53 Resp: 14077

Ion	Ratio	Lower	Upper
53	100		
88	42.8	33.5	50.3
75	117.9	94.6	141.8

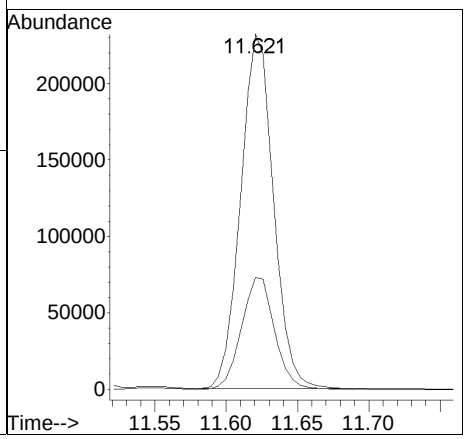


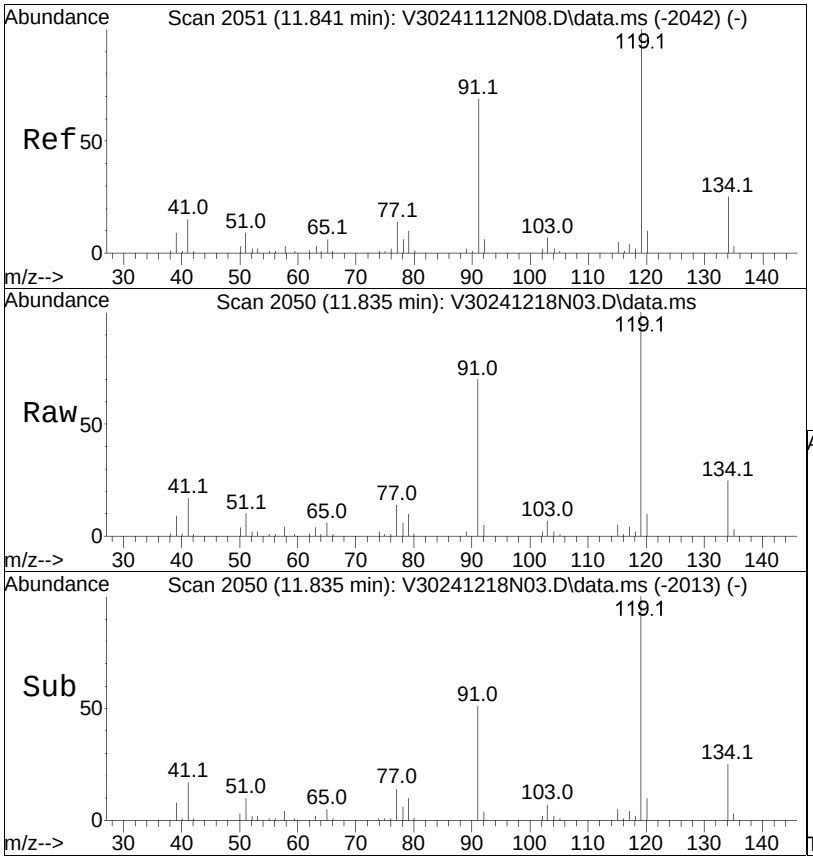


#98
4-Chlorotoluene
Concen: 8.93 ug/L
RT: 11.621 min Scan# 2009
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 91 Resp: 371272

Ion	Ratio	Lower	Upper
91	100		
126	31.9	23.8	35.8

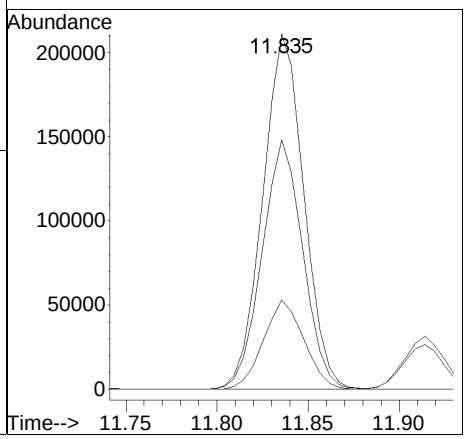


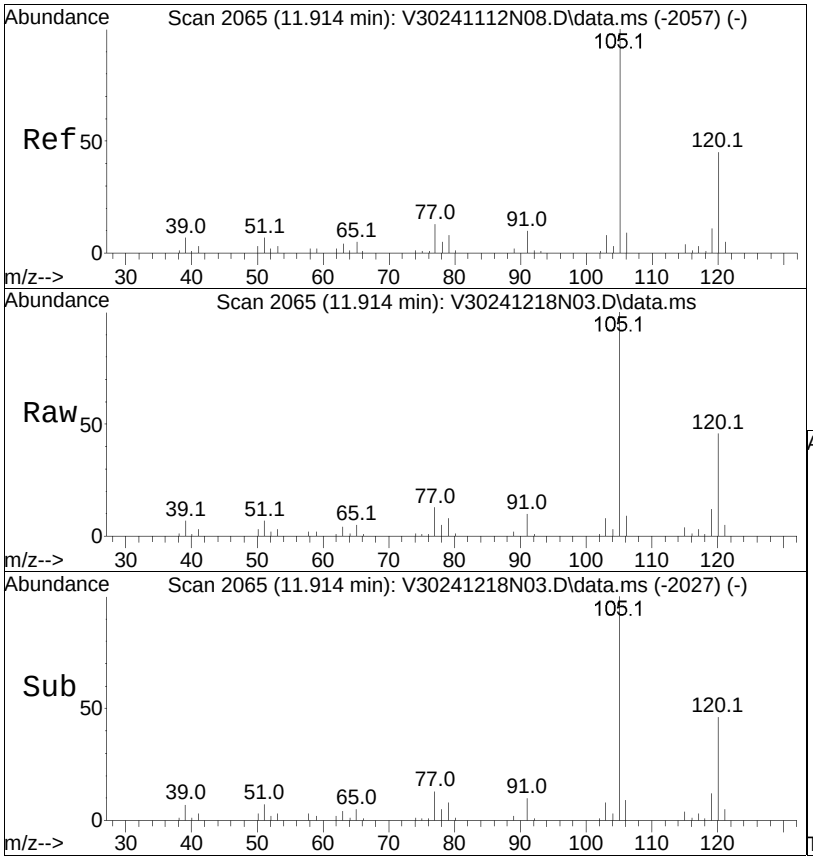


#99
tert-Butylbenzene
Concen: 8.67 ug/L
RT: 11.835 min Scan# 2050
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:119 Resp: 331647

Ion	Ratio	Lower	Upper
119	100		
91	69.5	58.8	88.2
134	24.8	18.6	27.8

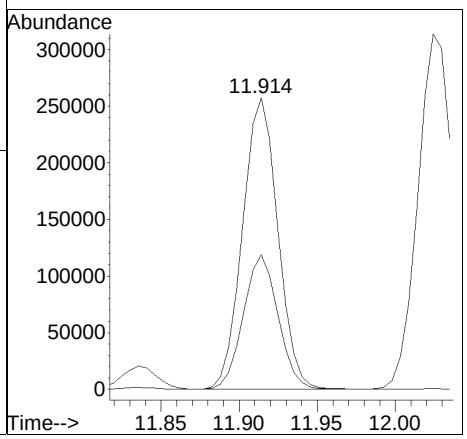


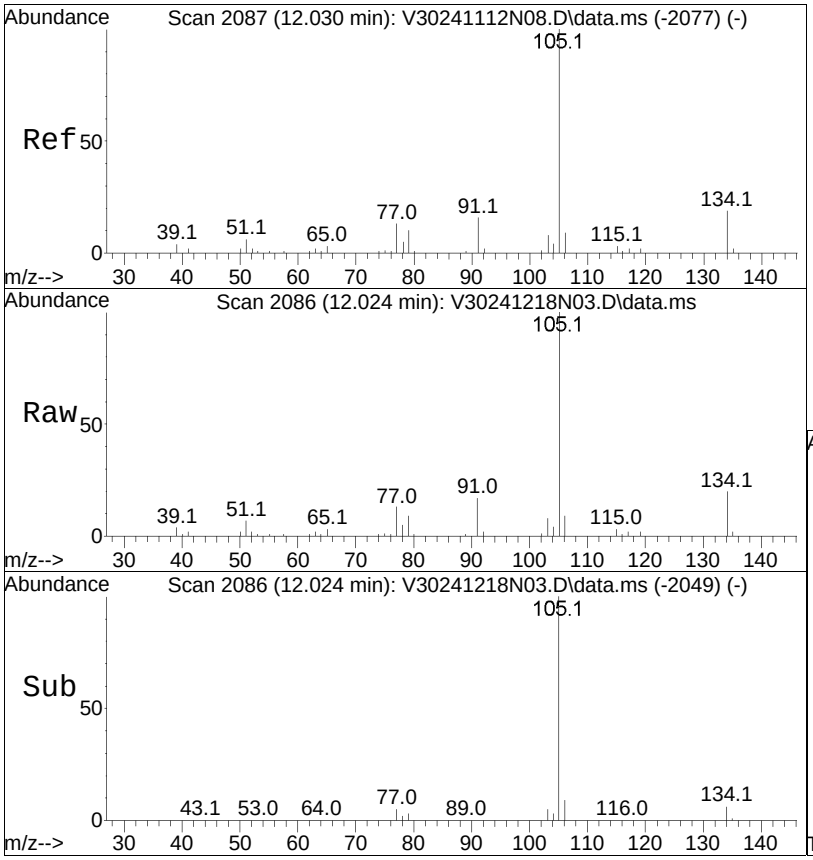


#102
1,2,4-Trimethylbenzene
Concen: 8.86 ug/L
RT: 11.914 min Scan# 2065
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:105 Resp: 405022

Ion	Ratio	Lower	Upper
105	100		
120	45.4	35.2	52.8

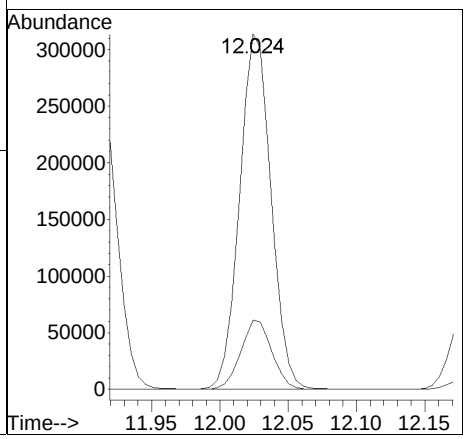


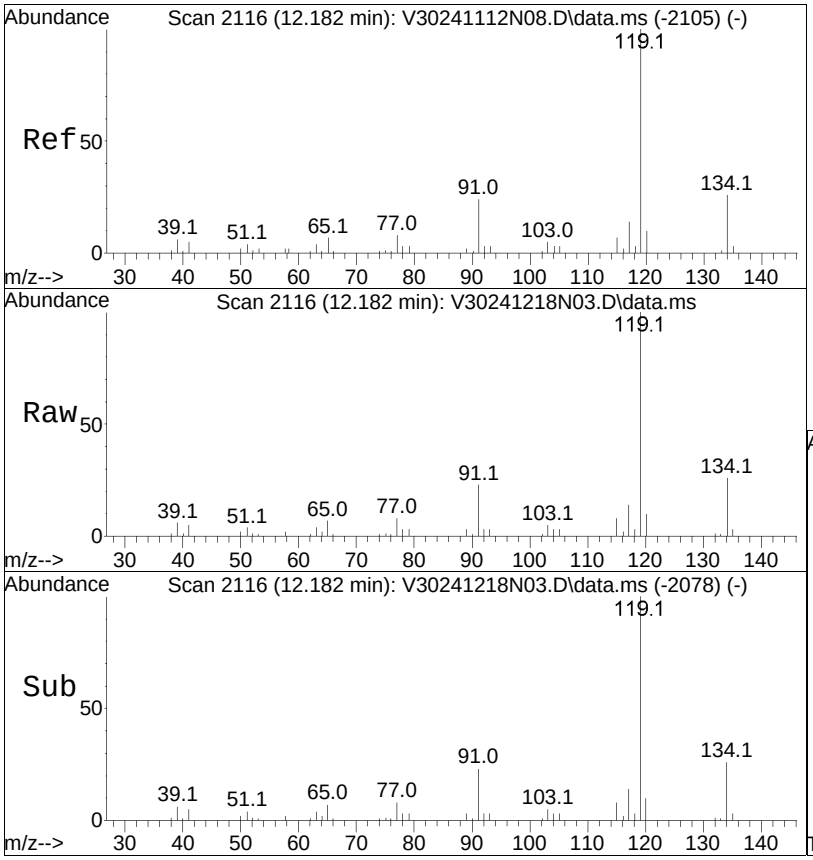


#103
sec-Butylbenzene
Concen: 9.01 ug/L
RT: 12.024 min Scan# 2086
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:105 Resp: 501091

Ion	Ratio	Lower	Upper
105	100		
134	19.3	11.4	23.6

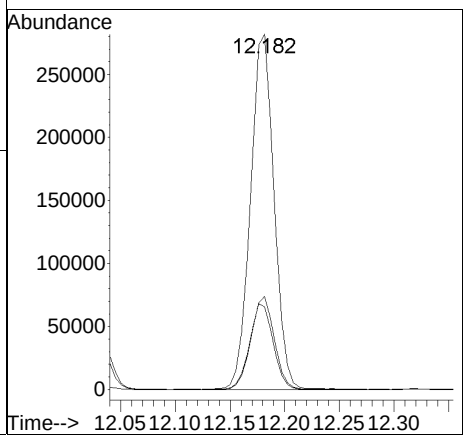


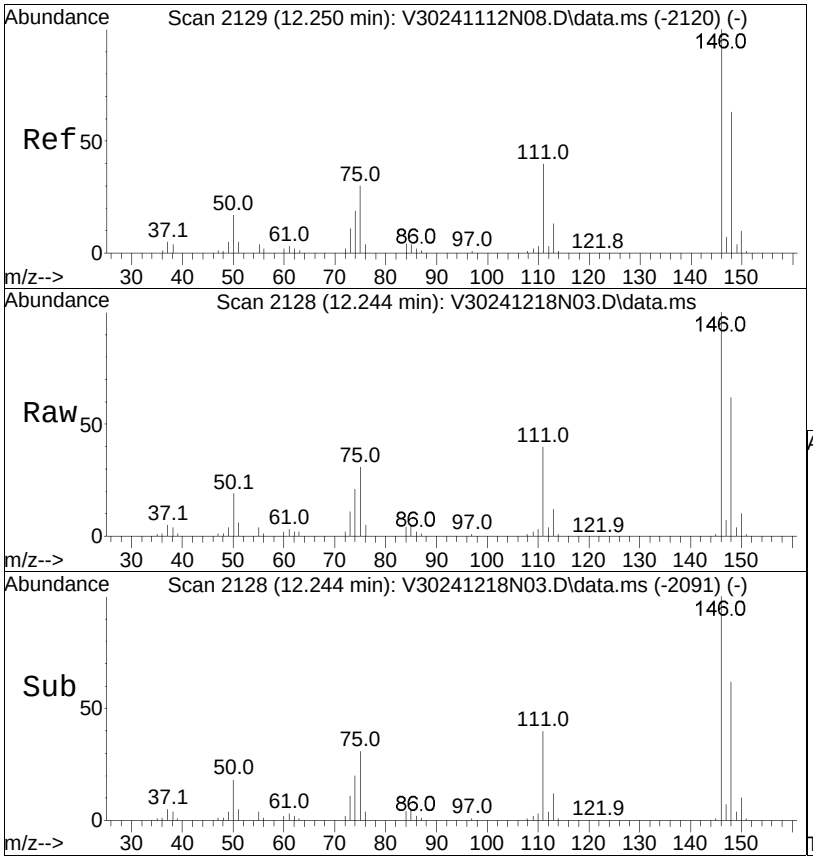


#104
p-Isopropyltoluene
Concen: 8.81 ug/L
RT: 12.182 min Scan# 2116
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:119 Resp: 422681

Ion	Ratio	Lower	Upper
119	100		
134	25.8	15.9	33.1
91	24.2	16.6	34.4

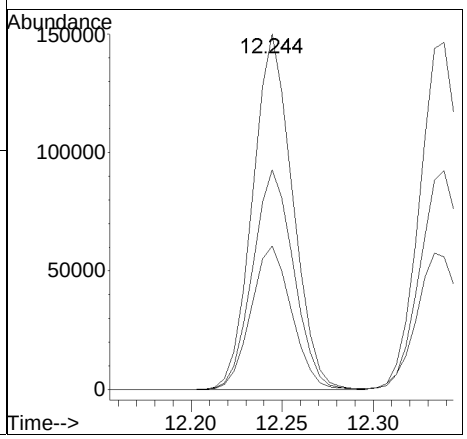


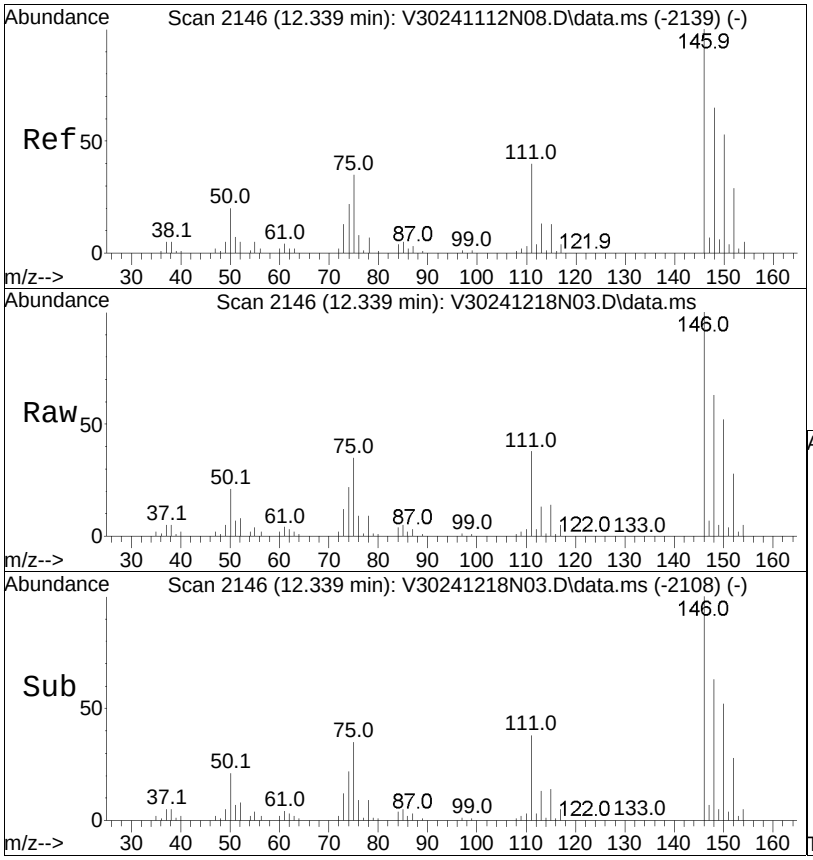


#105
1,3-Dichlorobenzene
Concen: 8.71 ug/L
RT: 12.244 min Scan# 2128
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:146 Resp: 228632

Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.0	58.1
148	63.4	40.8	84.6

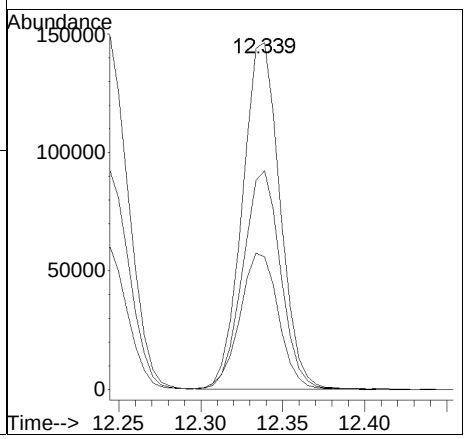


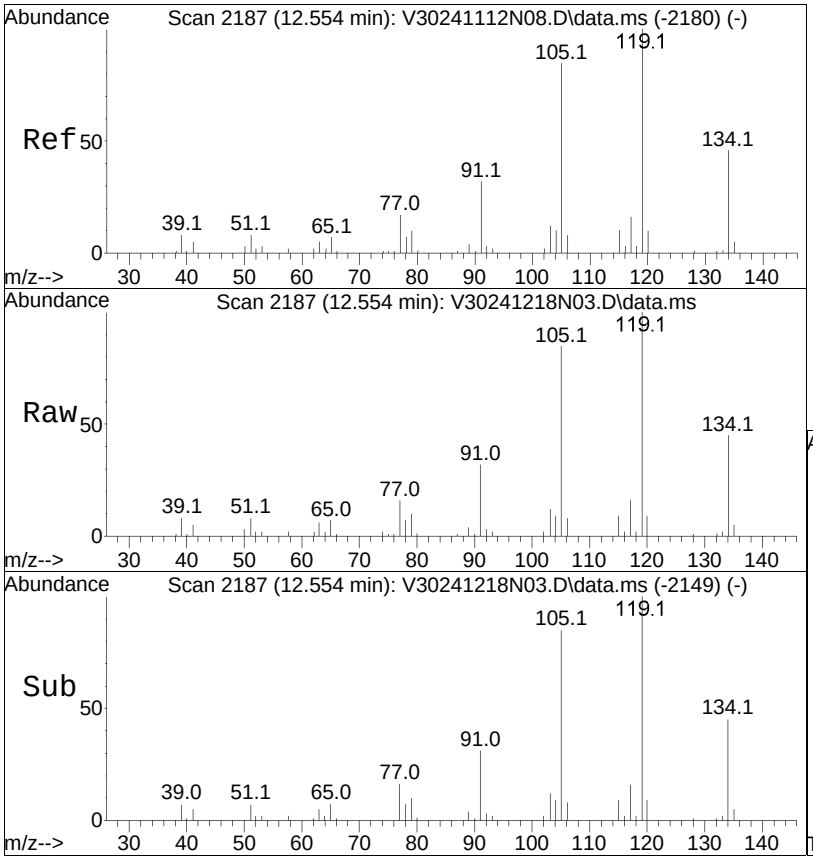


#106
1,4-Dichlorobenzene
Concen: 8.69 ug/L
RT: 12.339 min Scan# 2146
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:146 Resp: 233206

Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.7	50.5
148	63.8	50.8	76.2

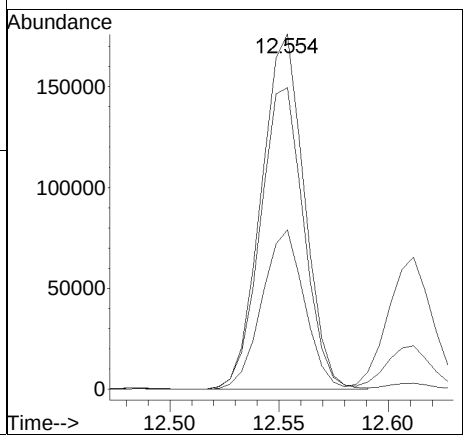


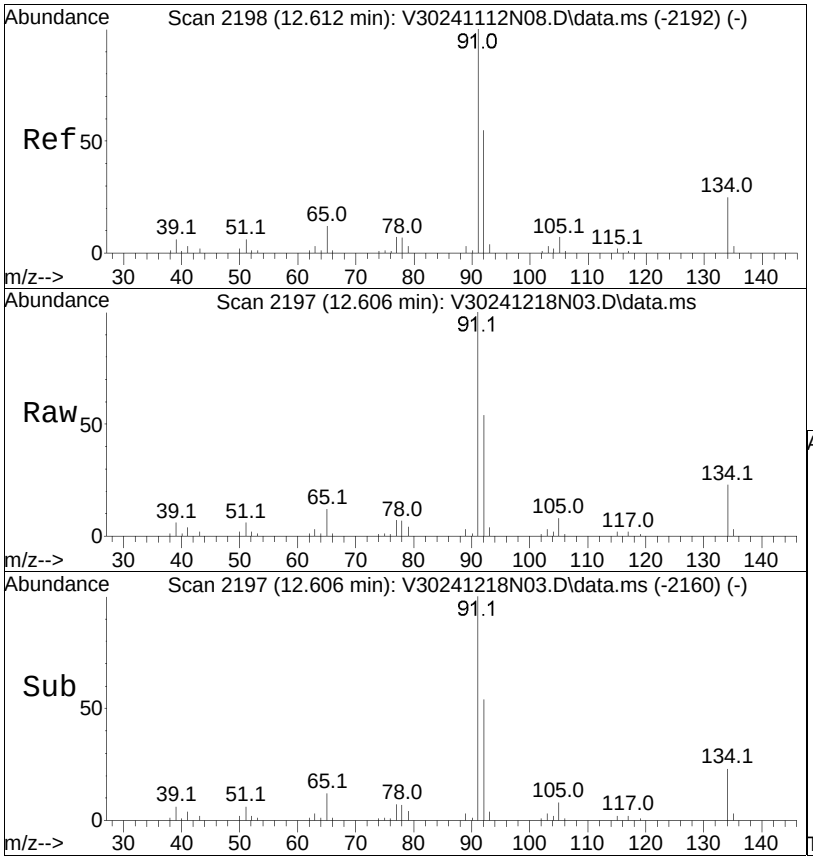


#107
p-Diethylbenzene
Concen: 8.54 ug/L
RT: 12.554 min Scan# 2187
Delta R.T. -0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:119 Resp: 241063

Ion	Ratio	Lower	Upper
119	100		
105	86.0	58.4	121.2
134	44.6	28.7	59.5

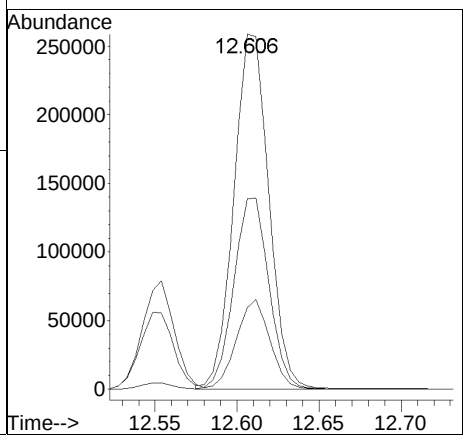


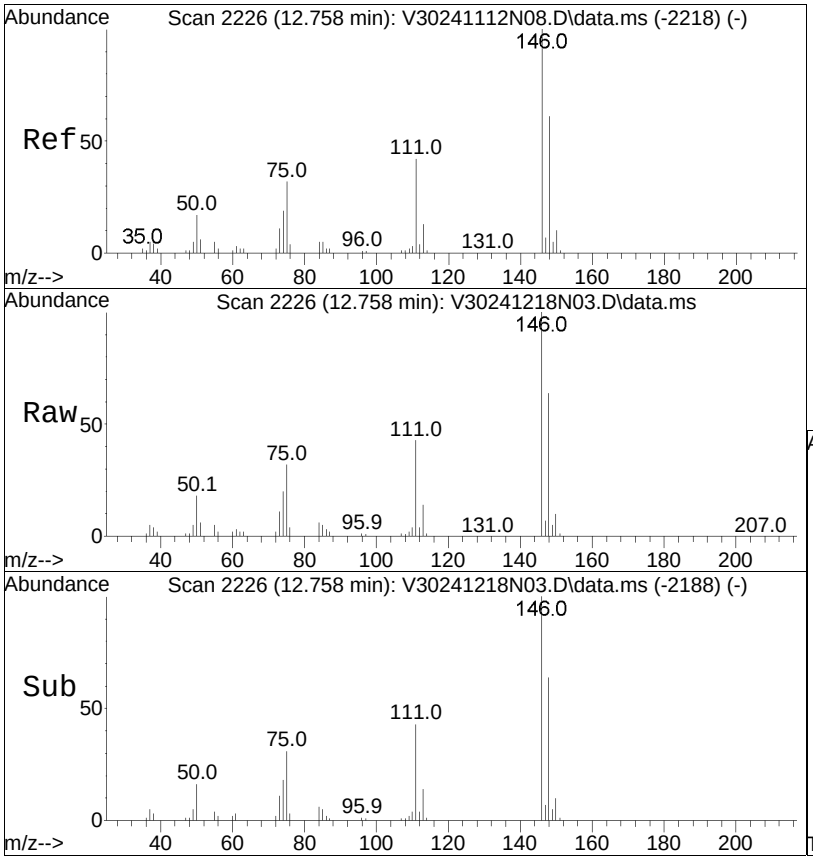


#108
n-Butylbenzene
Concen: 9.18 ug/L
RT: 12.606 min Scan# 2197
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion: 91 Resp: 383070

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.2	66.4
134	24.4	17.8	26.6

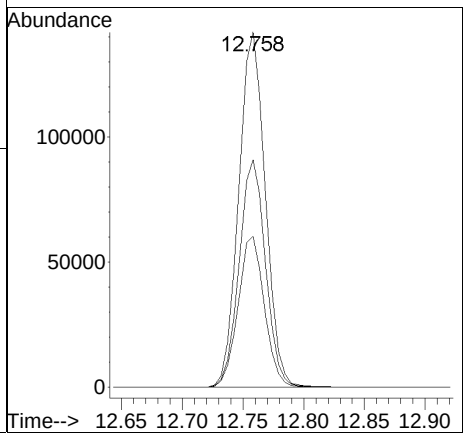


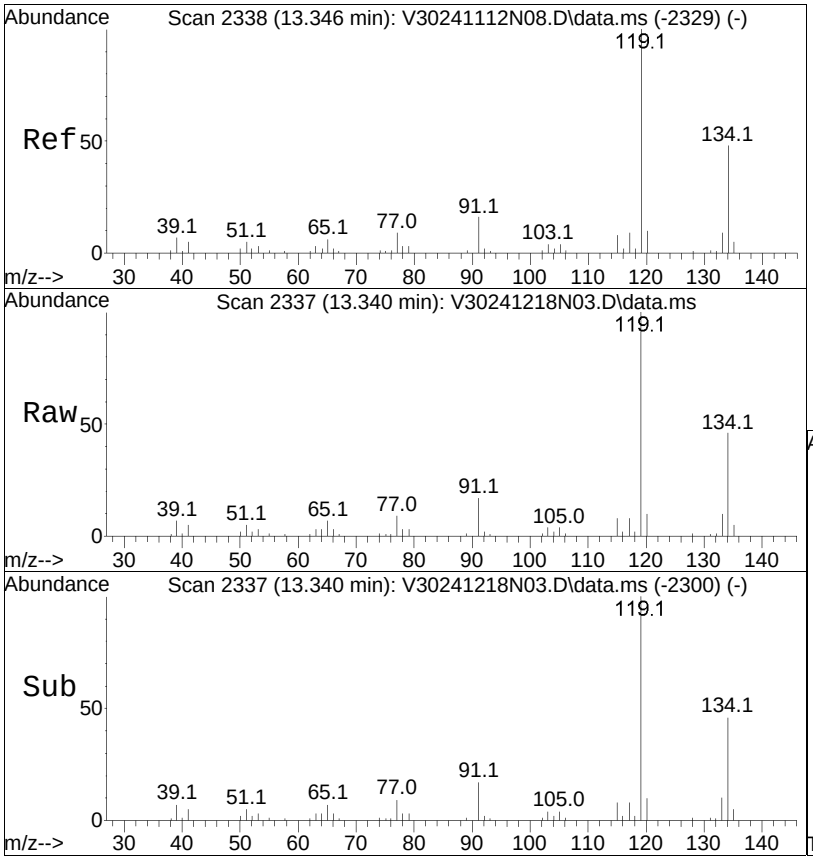


#109
1,2-Dichlorobenzene
Concen: 8.70 ug/L
RT: 12.758 min Scan# 2226
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:146 Resp: 216381

Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.5	61.3
148	63.6	41.3	85.9

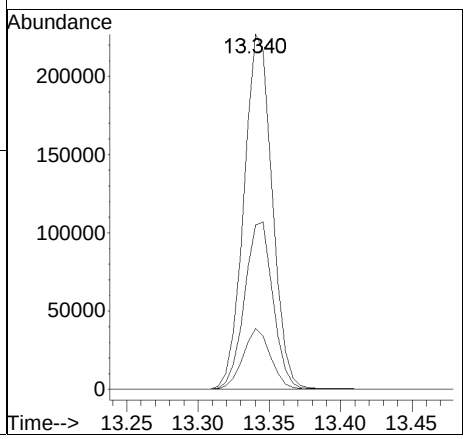


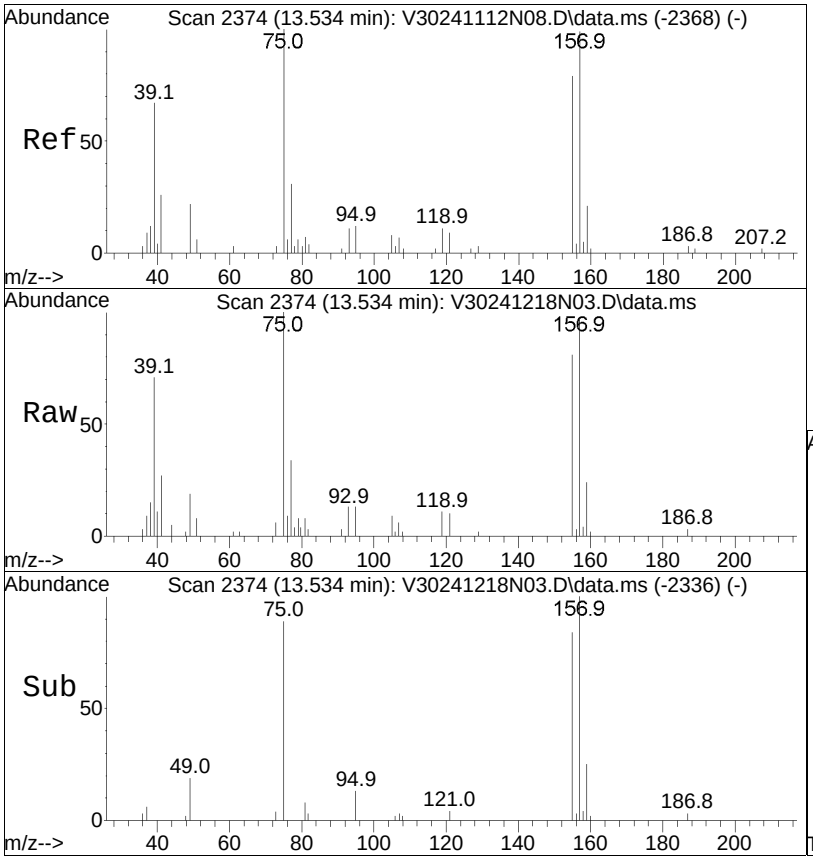


#110
1,2,4,5-Tetramethylbenzene
Concen: 7.90 ug/L
RT: 13.340 min Scan# 2337
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:119 Resp: 314419

Ion	Ratio	Lower	Upper
119	100		
134	47.5	29.1	60.5
91	16.7	11.5	23.9

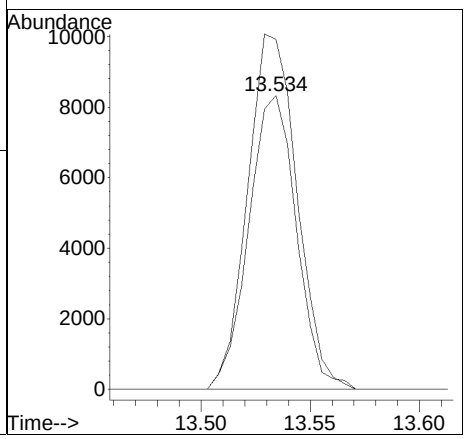


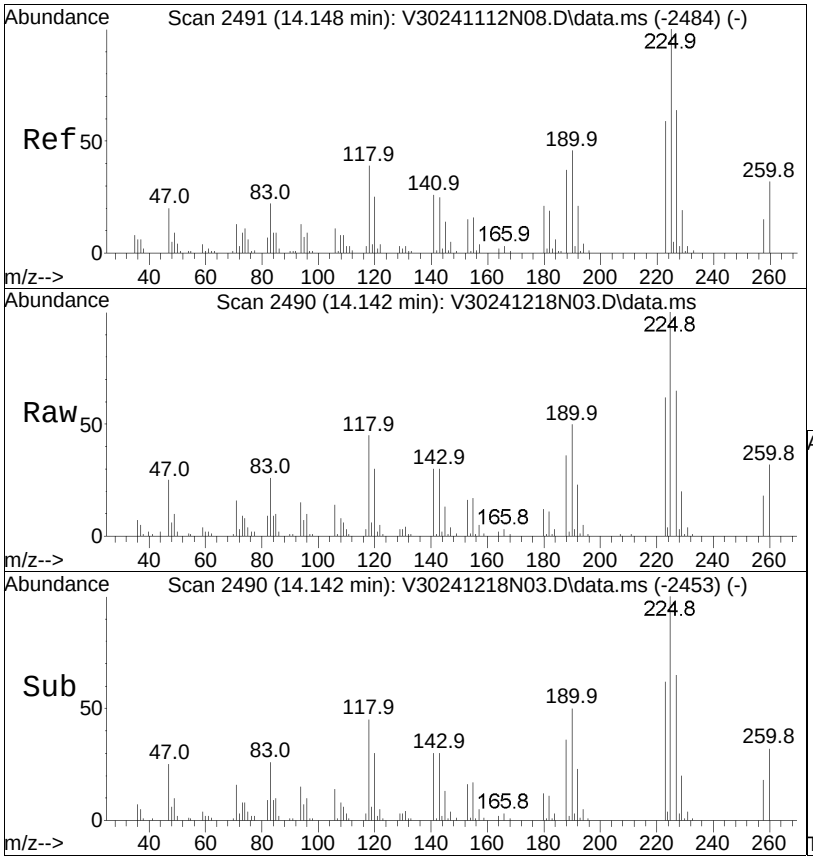


#111
1,2-Dibromo-3-chloropropane
Concen: 9.41 ug/L
RT: 13.534 min Scan# 2374
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:155 Resp: 12681

Ion	Ratio	Lower	Upper
155	100		
157	125.0	105.1	157.7

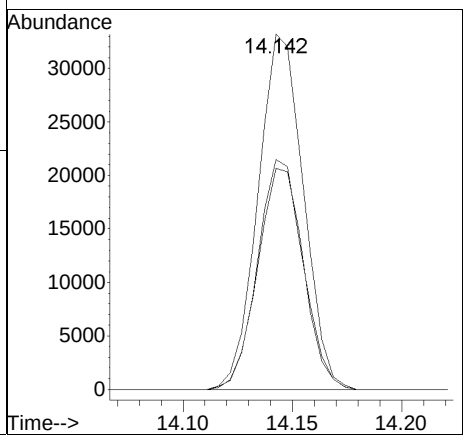


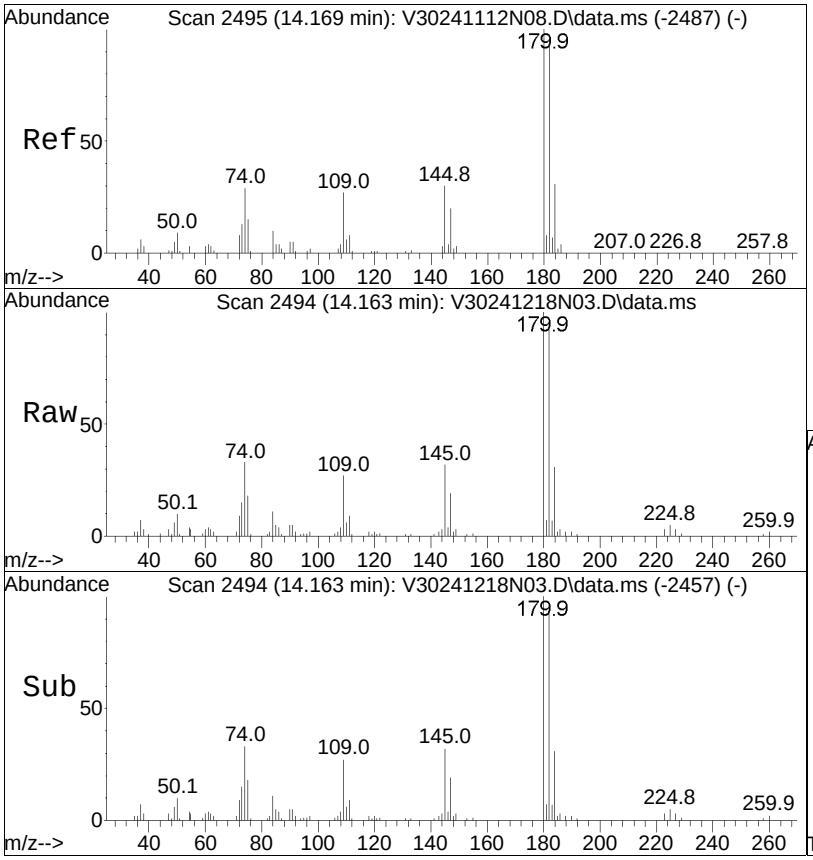


#113
Hexachlorobutadiene
Concen: 7.65 ug/L
RT: 14.142 min Scan# 2490
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:225 Resp: 47969

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8
227	64.7	50.6	76.0

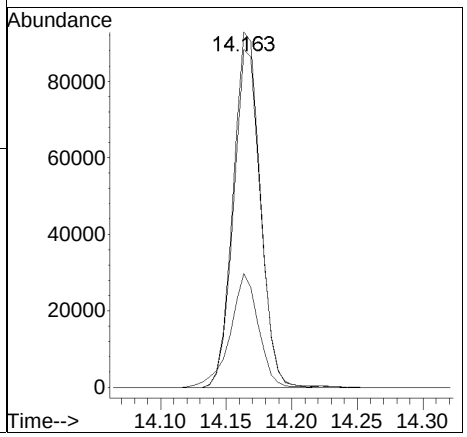


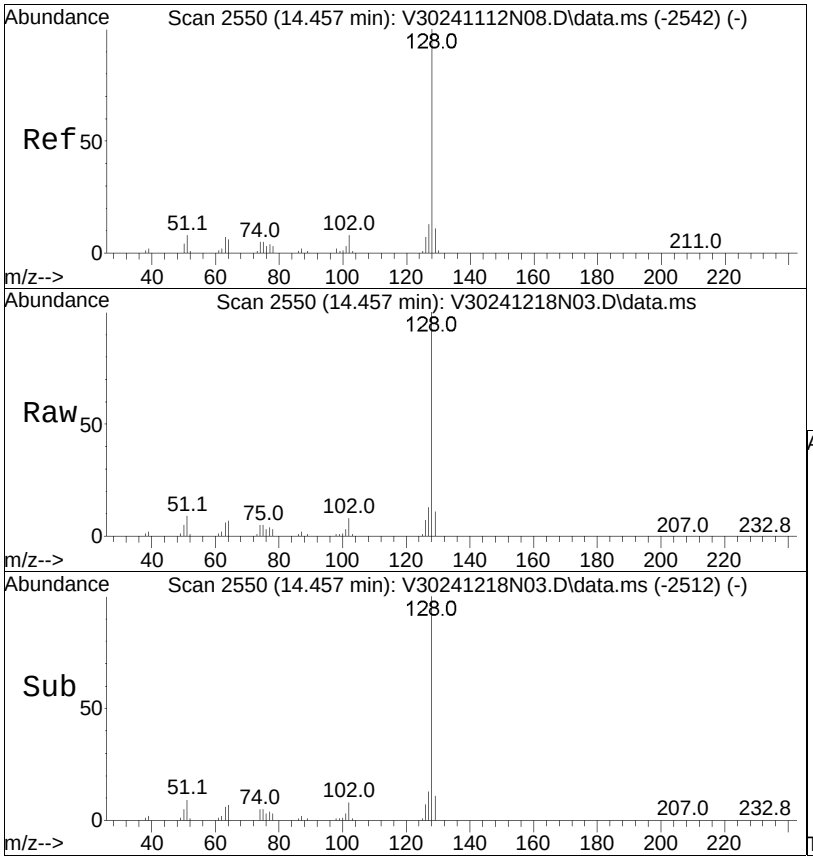


#114
1,2,4-Trichlorobenzene
Concen: 8.22 ug/L
RT: 14.163 min Scan# 2494
Delta R.T. -0.006 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:180 Resp: 133758

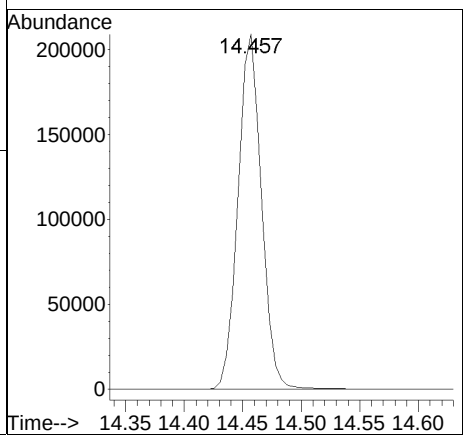
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	33.2	27.4	41.2

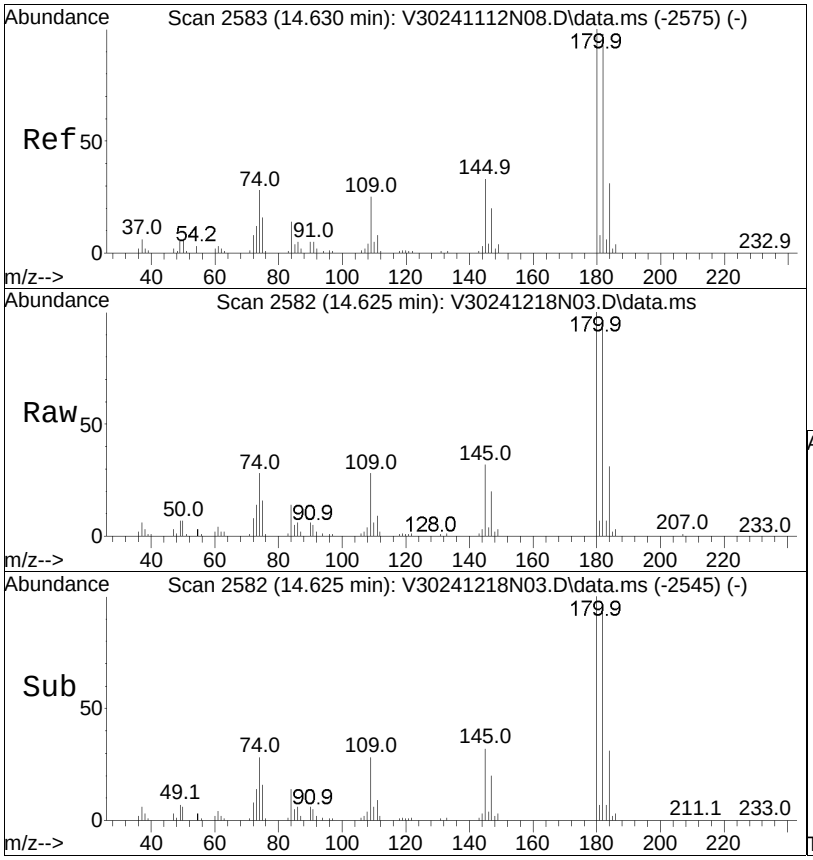




#115
Naphthalene
Concen: 8.79 ug/L
RT: 14.457 min Scan# 2550
Delta R.T. 0.000 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:128 Resp: 292166

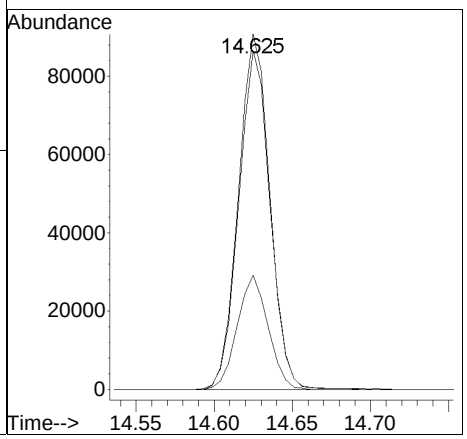




#116
1,2,3-Trichlorobenzene
Concen: 8.35 ug/L
RT: 14.625 min Scan# 2582
Delta R.T. -0.005 min
Lab File: V30241218N03.D
Acq: 18 Dec 2024 06:17 pm

Tgt Ion:180 Resp: 126600

Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.9	112.3
145	31.6	26.0	39.0



Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A02.D
Acq On : 19 Dec 2024 08:03 am
Operator : VOA122:PID
Sample : WG2011630-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 08:33:24 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	542860	10.000	ug/L	0.00
Standard Area 1 = 506888			Recovery	= 107.10%		
62) Chlorobenzene-d5	9.484	117	437191	10.000	ug/L	0.00
Standard Area 1 = 423029			Recovery	= 103.35%		
83) 1,4-Dichlorobenzene-d4	12.202	152	228259	10.000	ug/L	0.00
Standard Area 1 = 228806			Recovery	= 99.76%		
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	187841	10.138	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 101.38%		
46) 1,2-Dichloroethane-d4	5.649	65	111749	9.760	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery	= 97.60%		
63) Toluene-d8	7.640	98	547452	9.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 99.32%		
87) 4-Bromofluorobenzene	10.984	95	195062	10.468	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 104.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.612	85	99853	8.907	ug/L	97
3) Chloromethane	1.795	50	98434	10.260	ug/L	98
4) Vinyl chloride	1.867	62	97761	7.640	ug/L	99
5) Bromomethane	2.175	94	25010	2.705	ug/L	95
6) Chloroethane	2.287	64	57581	6.567	ug/L	99
7) Trichlorofluoromethane	2.425	101	129095	8.817	ug/L	99
8) Ethyl ether	2.719	74	32719	10.151	ug/L #	1
10) 1,1-Dichloroethene	2.910	96	74388	9.629	ug/L	94
11) Carbon disulfide	2.942	76	235706	10.037	ug/L	100
15) Methylene chloride	3.454	84	90722	9.993	ug/L	82
17) Acetone	3.486	43	13722	10.497	ug/L	97
18) trans-1,2-Dichloroethene	3.604	96	85895	10.129	ug/L	97
21) Methyl tert-butyl ether	3.703	73	145014	9.749	ug/L #	88
25) 1,1-Dichloroethane	4.181	63	152233	9.914	ug/L	97
27) Acrylonitrile	4.220	53	16502	10.577	ug/L	99
29) Vinyl acetate	4.410	43	129686	9.749	ug/L #	92
30) cis-1,2-Dichloroethene	4.692	96	97220	10.359	ug/L	96
31) 2,2-Dichloropropane	4.797	77	109264	9.630	ug/L	86
32) Bromochloromethane	4.882	128	48702	10.324	ug/L	91
34) Chloroform	4.954	83	148711	9.686	ug/L	97

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A02.D
Acq On : 19 Dec 2024 08:03 am
Operator : VOA122:PID
Sample : WG2011630-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 08:33:24 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.099	117	116003	9.341	ug/L		99
39) 1,1,1-Trichloroethane	5.164	97	129461	9.249	ug/L		98
41) 2-Butanone	5.243	43	21949	11.820	ug/L	#	51
42) 1,1-Dichloropropene	5.282	75	103499	9.146	ug/L		98
44) Benzene	5.525	78	318814	9.545	ug/L		96
47) 1,2-Dichloroethane	5.728	62	77813	9.590	ug/L		95
51) Trichloroethene	6.121	95	70714	9.098	ug/L		98
53) Dibromomethane	6.556	93	41861	10.117	ug/L		86
54) 1,2-Dichloropropane	6.660	63	67758	10.093	ug/L		98
57) Bromodichloromethane	6.737	83	90793	9.737	ug/L		98
60) 1,4-Dioxane	6.945	88	17217	532.601	ug/L	#	79
61) cis-1,3-Dichloropropene	7.425	75	94883	9.774	ug/L	#	91
64) Toluene	7.696	92	179141	9.878	ug/L		100
65) 4-Methyl-2-pentanone	8.127	58	10273	8.234	ug/L	#	69
66) Tetrachloroethene	8.141	166	79848	9.607	ug/L		96
68) trans-1,3-Dichloropropene	8.175	75	76042	9.184	ug/L		91
71) 1,1,2-Trichloroethane	8.356	83	41176	9.731	ug/L		98
72) Chlorodibromomethane	8.572	129	63216	9.073	ug/L		98
73) 1,3-Dichloropropane	8.684	76	83165	9.536	ug/L		98
74) 1,2-Dibromoethane	8.845	107	50399	9.682	ug/L		100
76) 2-Hexanone	9.140	43	19690	9.704	ug/L	#	85
77) Chlorobenzene	9.505	112	216775	10.350	ug/L	#	88
78) Ethylbenzene	9.547	91	360132	9.986	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.589	131	66422	9.365	ug/L		98
80) p/m Xylene	9.736	106	282906	19.017	ug/L		99
81) o Xylene	10.276	106	269684	19.016	ug/L		99
82) Styrene	10.339	104	433422	19.009	ug/L		98
84) Bromoform	10.360	173	33848	9.067	ug/L		99
86) Isopropylbenzene	10.662	105	367988	10.420	ug/L		100
88) Bromobenzene	11.097	156	88564	10.687	ug/L		100
89) n-Propylbenzene	11.146	91	413448	10.068	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.230	83	54649	9.940	ug/L		99
92) 4-Ethyltoluene	11.272	105	352531	10.225	ug/L		99
93) 2-Chlorotoluene	11.307	91	240348M6	10.287	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	299510	9.982	ug/L		100
95) 1,2,3-Trichloropropane	11.363	75	42433	9.643	ug/L		99
96) trans-1,4-Dichloro-2-b...	11.419	53	11931	8.622	ug/L	#	76
97) 4-Chlorotoluene	11.496	91	253925	10.433	ug/L		97
98) tert-Butylbenzene	11.721	119	259929	10.071	ug/L		99

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A02.D
Acq On : 19 Dec 2024 08:03 am
Operator : VOA122:PID
Sample : WG2011630-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 08:33:24 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241219A\V22241219A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.791	105	195853	11.489	ug/L	100
102) sec-Butylbenzene	11.909	105	369471	10.116	ug/L	100
103) p-Isopropyltoluene	12.062	119	323993	10.138	ug/L	100
104) 1,3-Dichlorobenzene	12.125	146	178301	10.606	ug/L	99
105) 1,4-Dichlorobenzene	12.216	146	172876	10.291	ug/L	98
106) p-Diethylbenzene	12.438	119	185126	10.035	ug/L	99
107) n-Butylbenzene	12.494	91	258838	10.186	ug/L	99
108) 1,2-Dichlorobenzene	12.640	146	158982	10.599	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	256038	10.149	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.420	155	8614	10.055	ug/L	96
112) Hexachlorobutadiene	14.039	225	37712	11.287	ug/L	98
113) 1,2,4-Trichlorobenzene	14.053	180	92672	10.573	ug/L	98
114) Naphthalene	14.353	128	197263	10.121	ug/L	100
115) 1,2,3-Trichlorobenzene	14.520	180	79338	10.663	ug/L	96

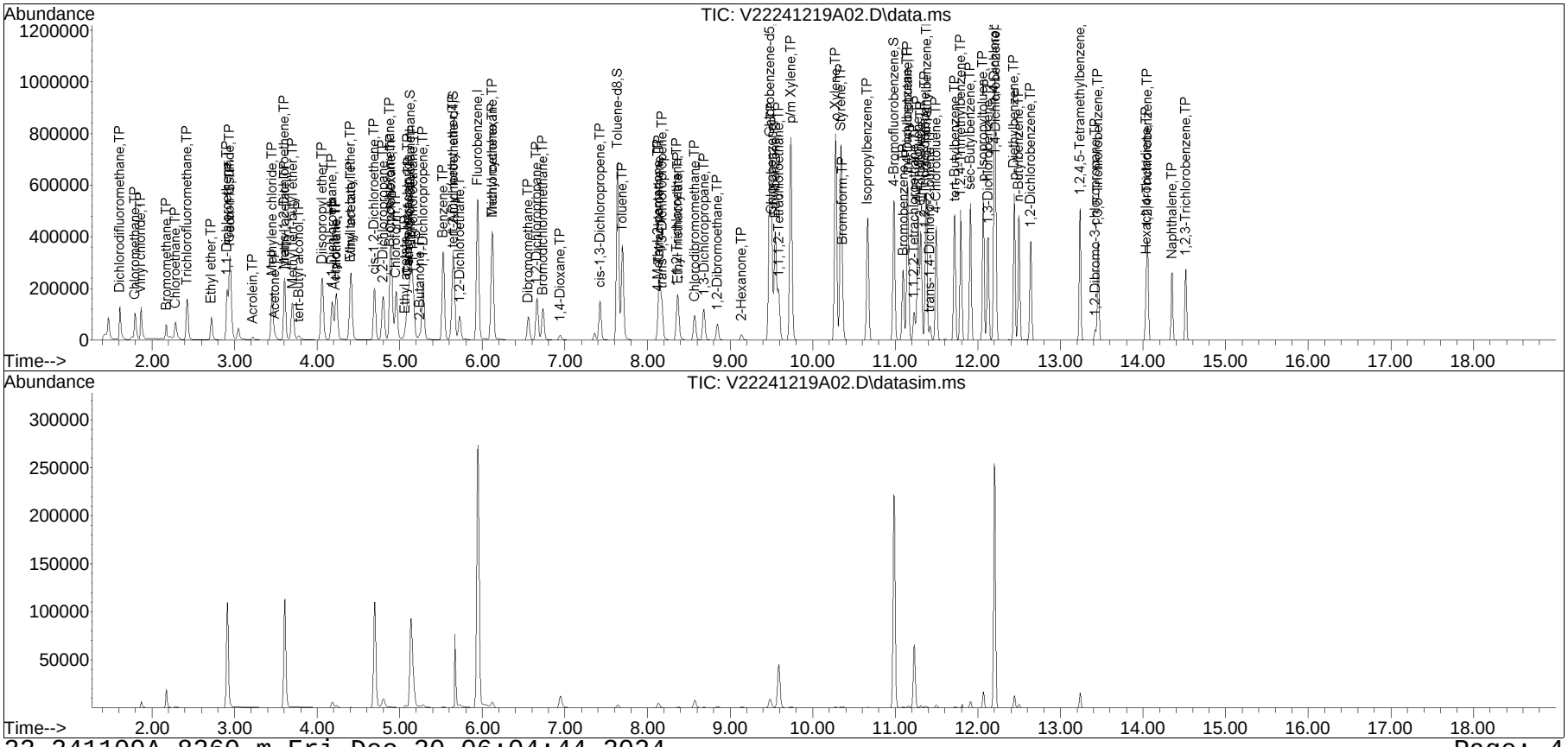
(#) = qualifier out of range (m) = manual integration (+) = signals summed

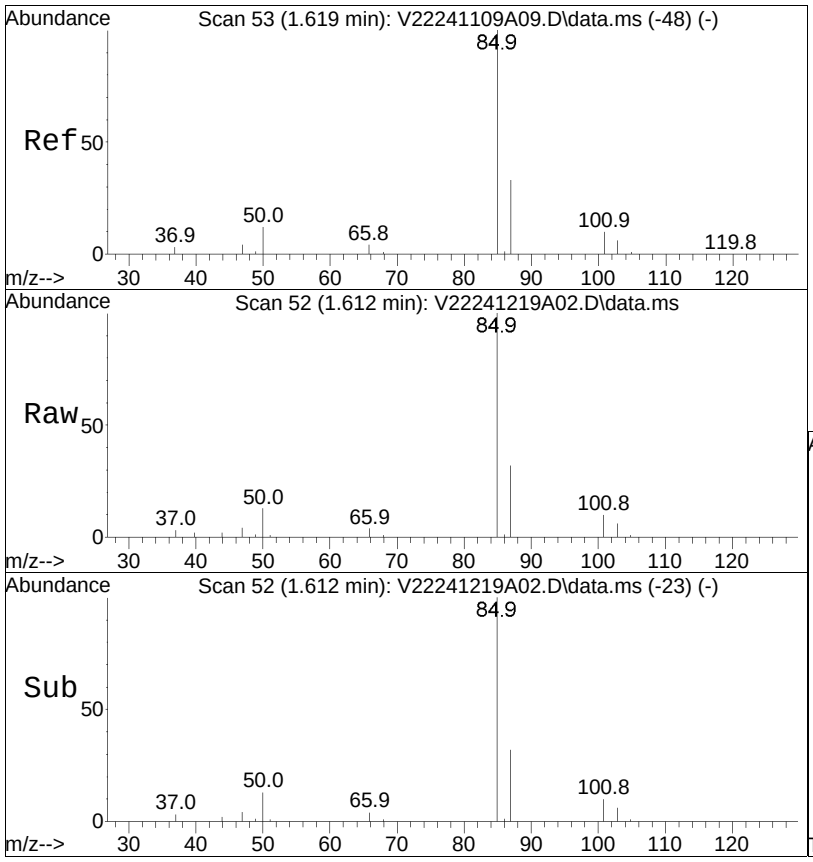
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A02.D
Acq On : 19 Dec 2024 08:03 am
Operator : VOA122:PID
Sample : WG2011630-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2011630,ICAL21691 (Sig #1); WG,ICAL21691 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 08:33:24 2024
Quant Method : K:\VOA122\2024\241219A\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

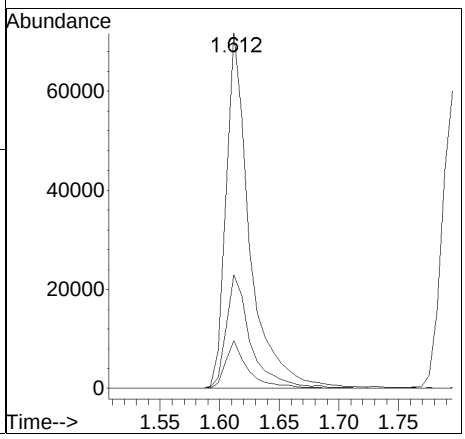


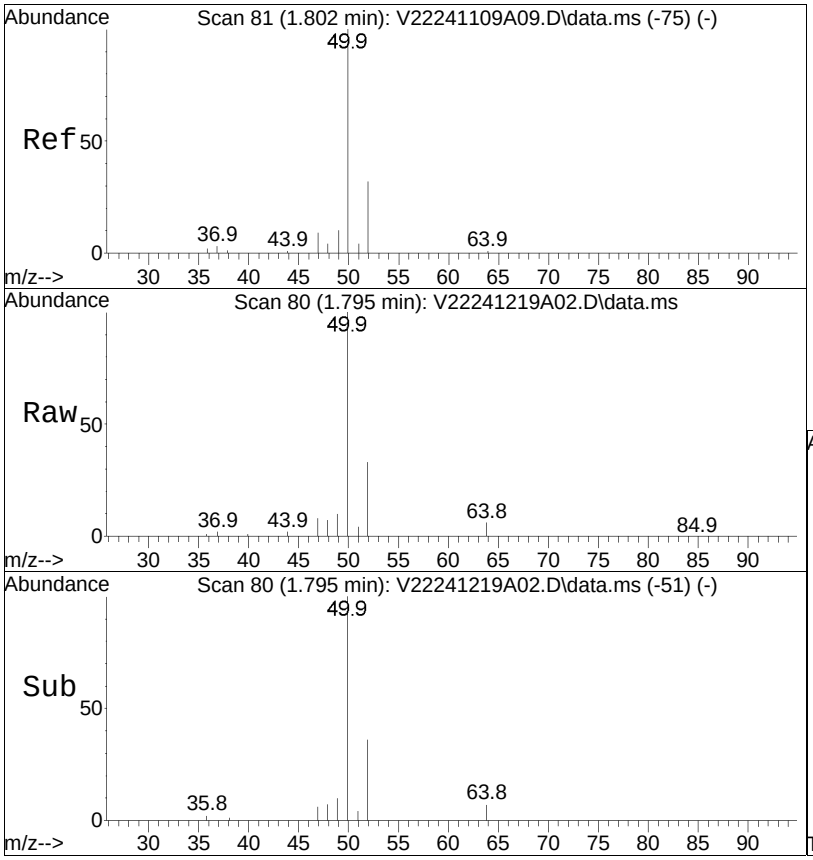


#2
Dichlorodifluoromethane
Concen: 8.91 ug/L
RT: 1.612 min Scan# 52
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 85 Resp: 99853

Ion	Ratio	Lower	Upper
85	100		
87	33.0	20.7	42.9
50	12.7	6.8	14.2

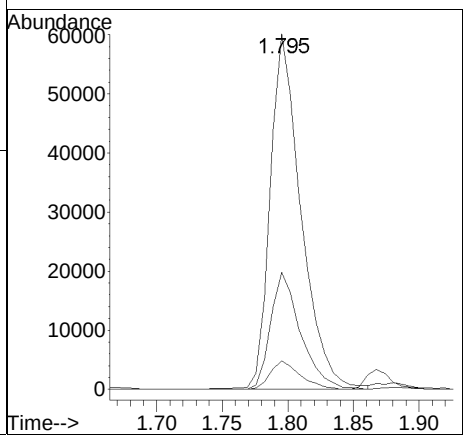


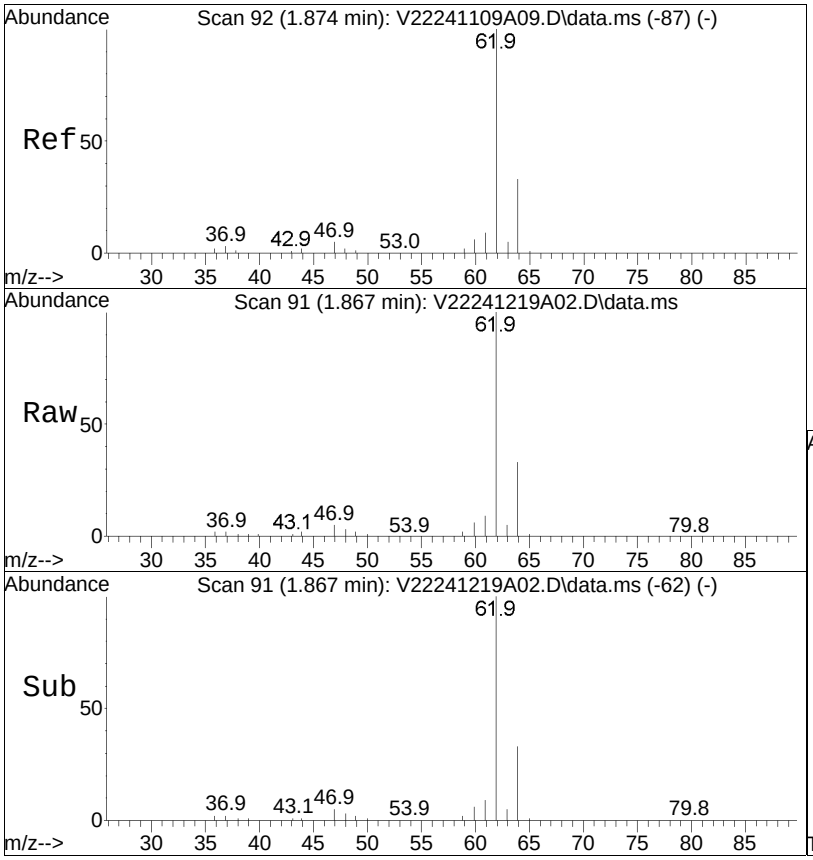


#3
Chloromethane
Concen: 10.26 ug/L
RT: 1.795 min Scan# 80
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 50 Resp: 98434

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.8	52.8
47	7.8	0.0	30.0

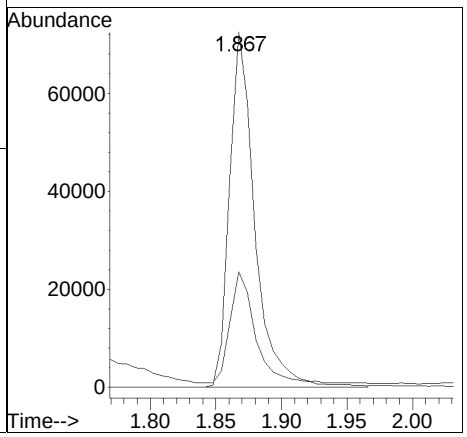


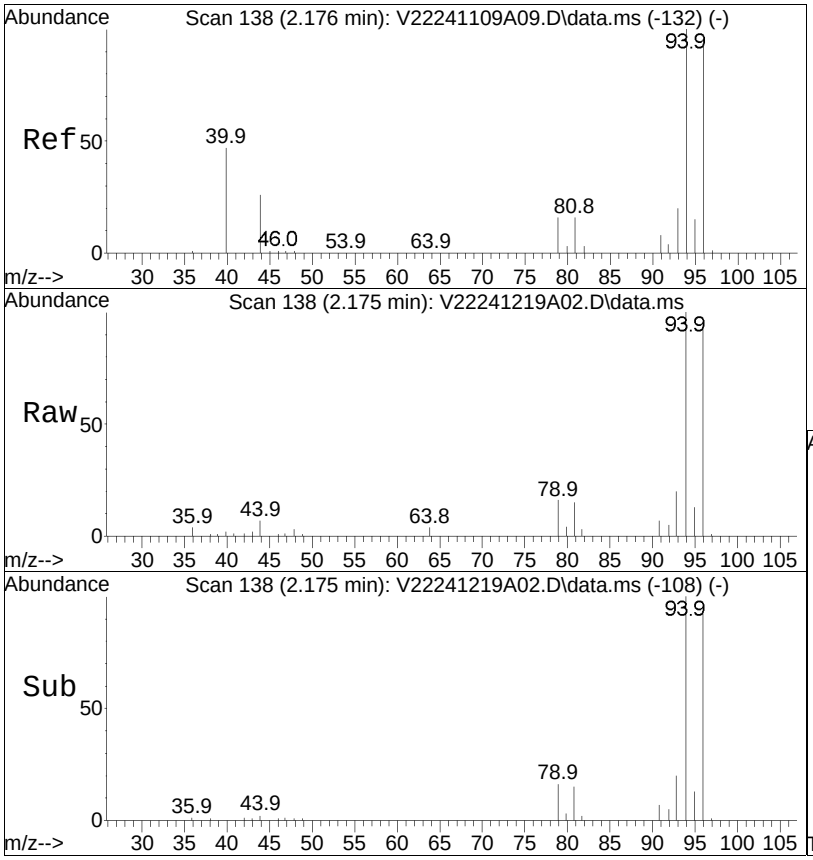


#4
Vinyl chloride
Concen: 7.64 ug/L
RT: 1.867 min Scan# 91
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 62 Resp: 97761

Ion	Ratio	Lower	Upper
62	100		
64	31.7	12.0	52.0

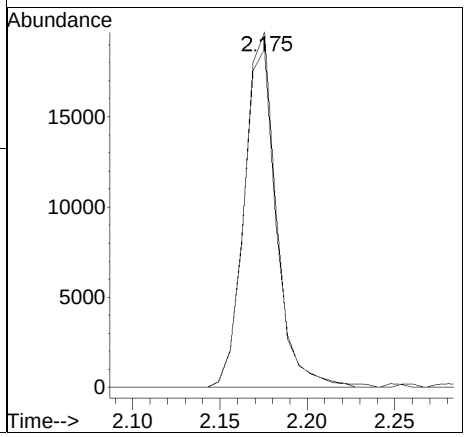


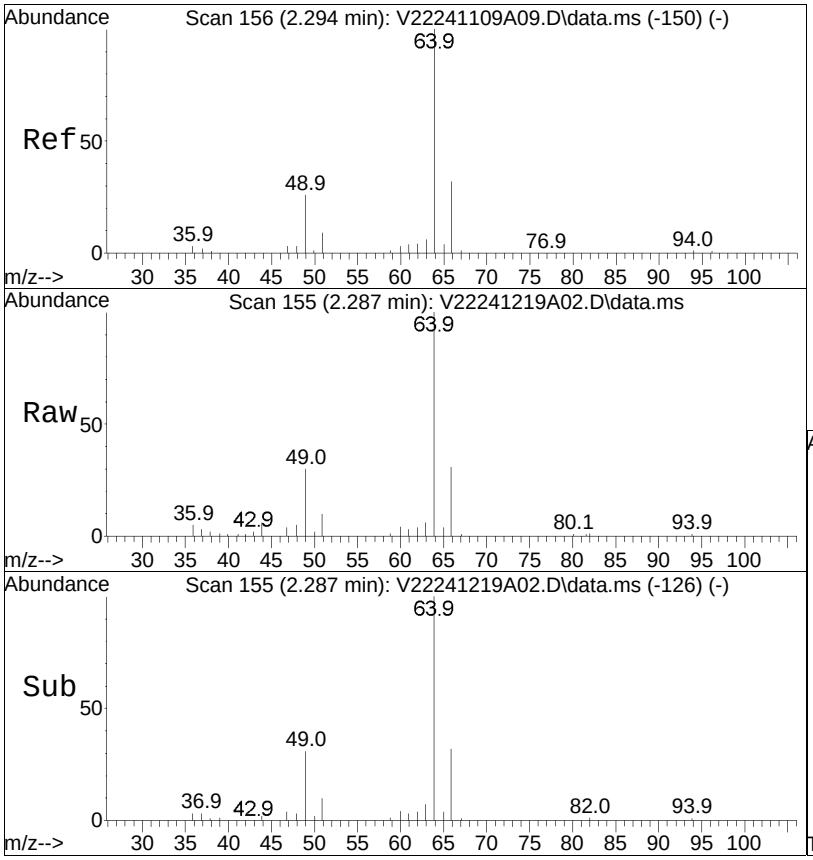


#5
Bromomethane
Concen: 2.71 ug/L
RT: 2.175 min Scan# 138
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 94 Resp: 25010

Ion	Ratio	Lower	Upper
94	100		
96	97.5	72.8	112.8

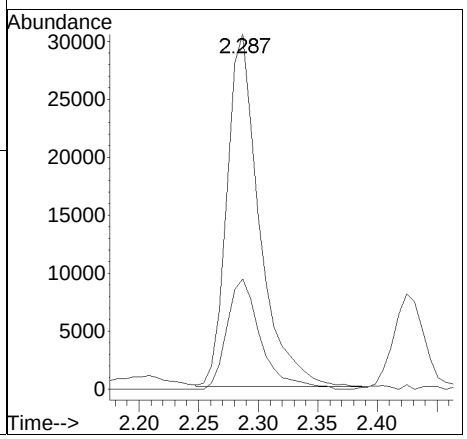


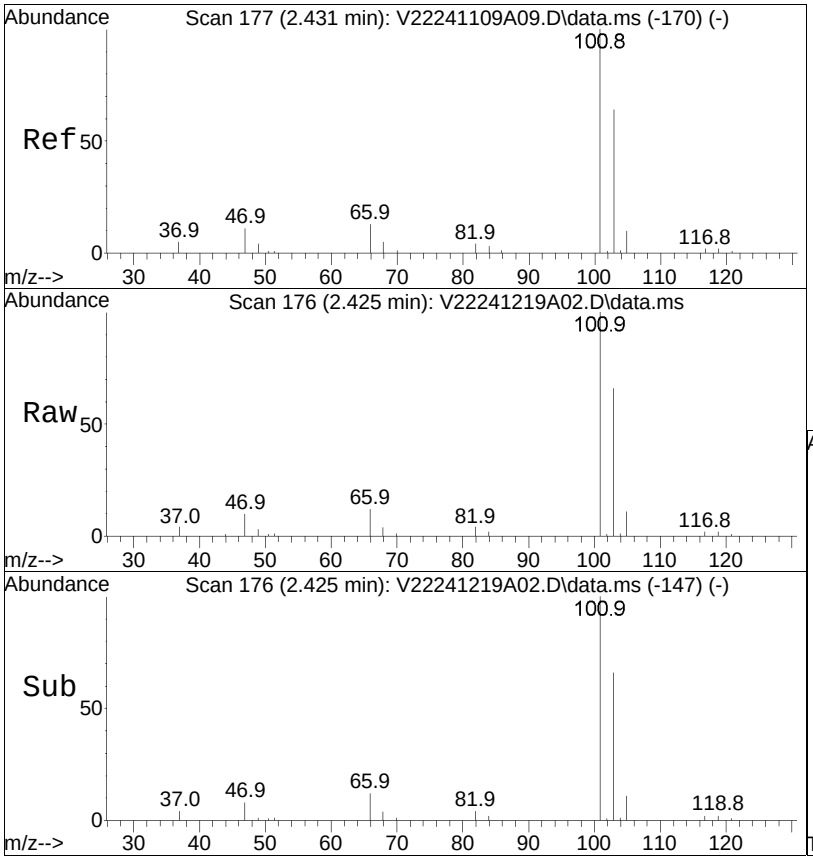


#6
Chloroethane
Concen: 6.57 ug/L
RT: 2.287 min Scan# 155
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 64 Resp: 57581

Ion	Ratio	Lower	Upper
64	100		
66	32.7	12.2	52.2

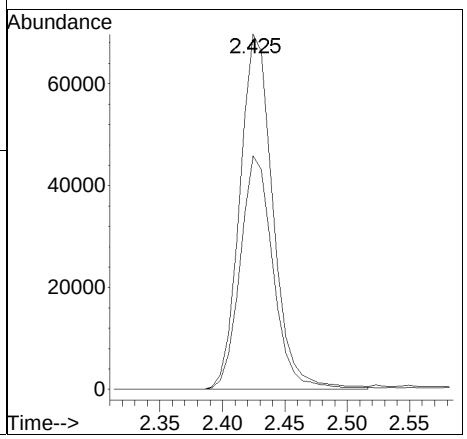


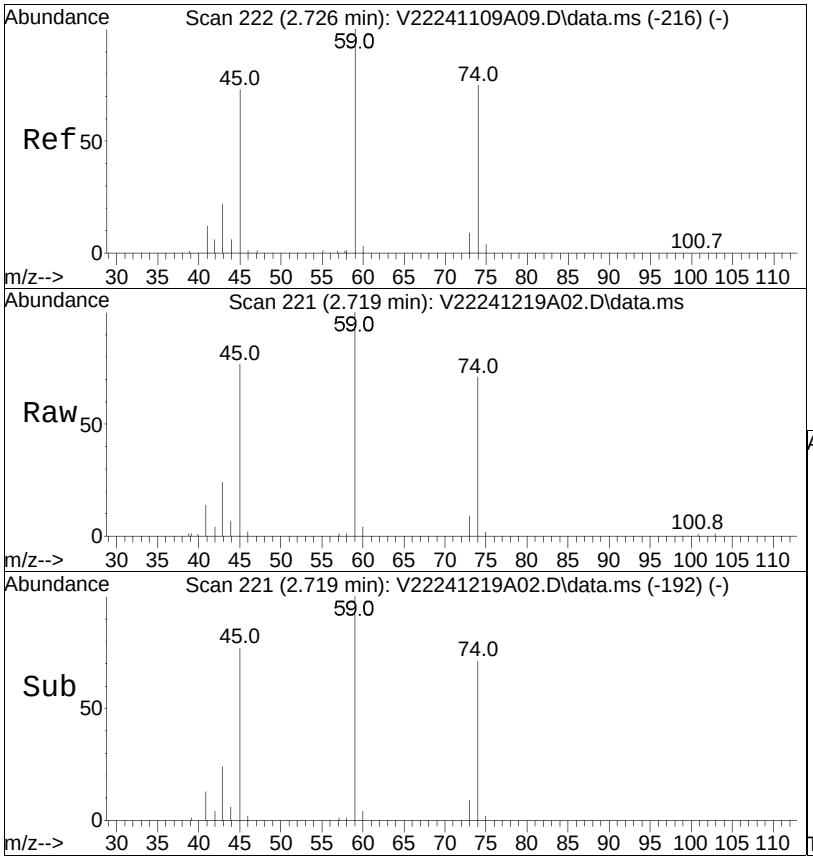


#7
Trichlorofluoromethane
Concen: 8.82 ug/L
RT: 2.425 min Scan# 176
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:101 Resp: 129095

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

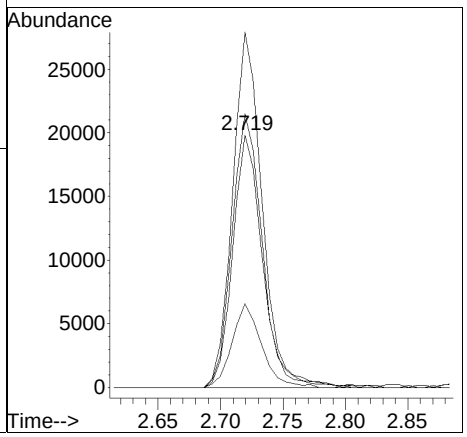


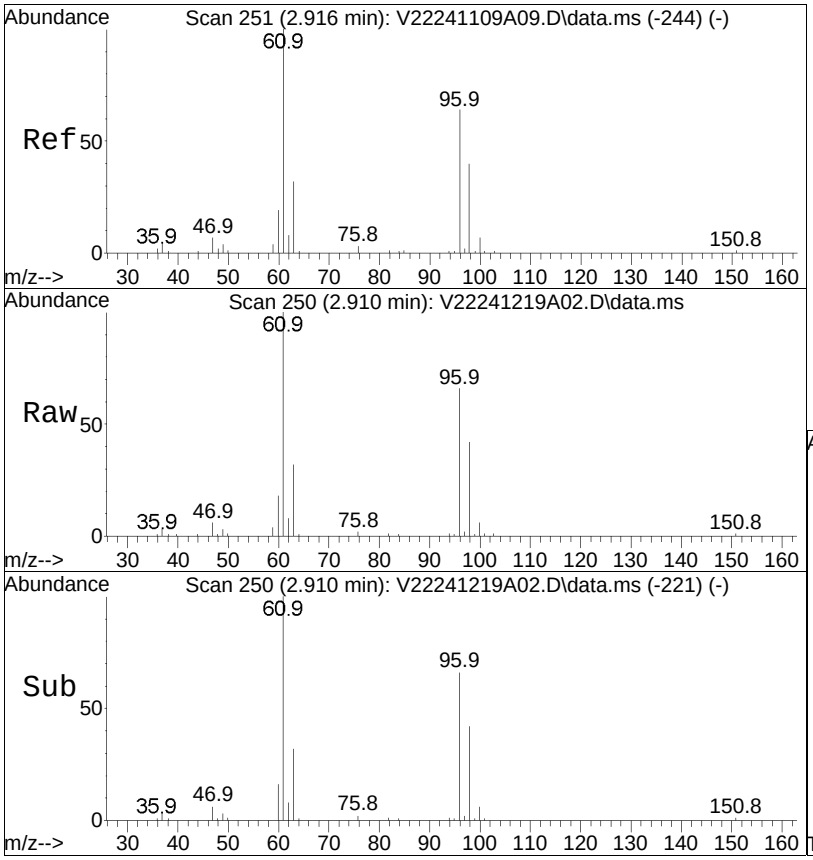


#8
Ethyl ether
Concen: 10.15 ug/L
RT: 2.719 min Scan# 221
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 74 Resp: 32719

Ion	Ratio	Lower	Upper
74	100		
59	141.6	2122.4	4408.0#
45	111.8	1435.1	2980.5#
43	33.0	407.9	847.3#

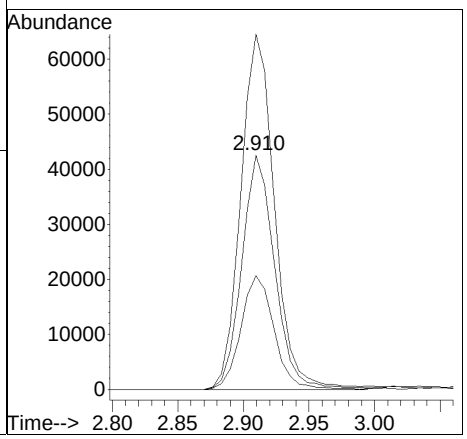


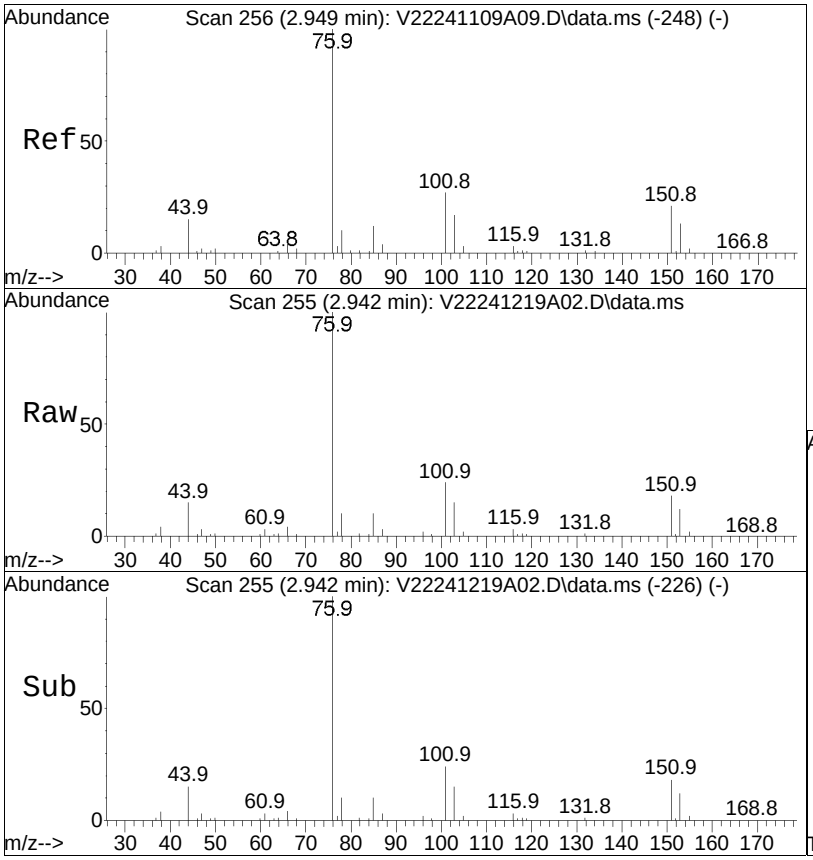


#10
1,1-Dichloroethene
Concen: 9.63 ug/L
RT: 2.910 min Scan# 250
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 96 Resp: 74388

Ion	Ratio	Lower	Upper
96	100		
61	155.9	117.0	175.4
63	48.9	37.8	56.6

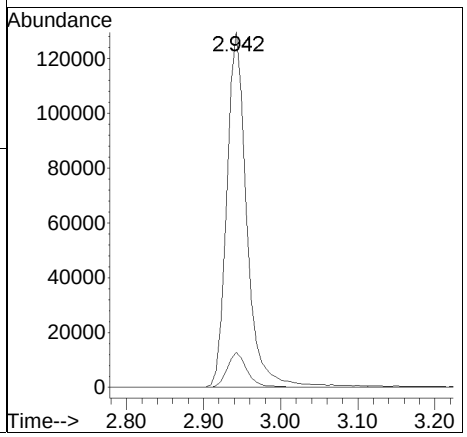


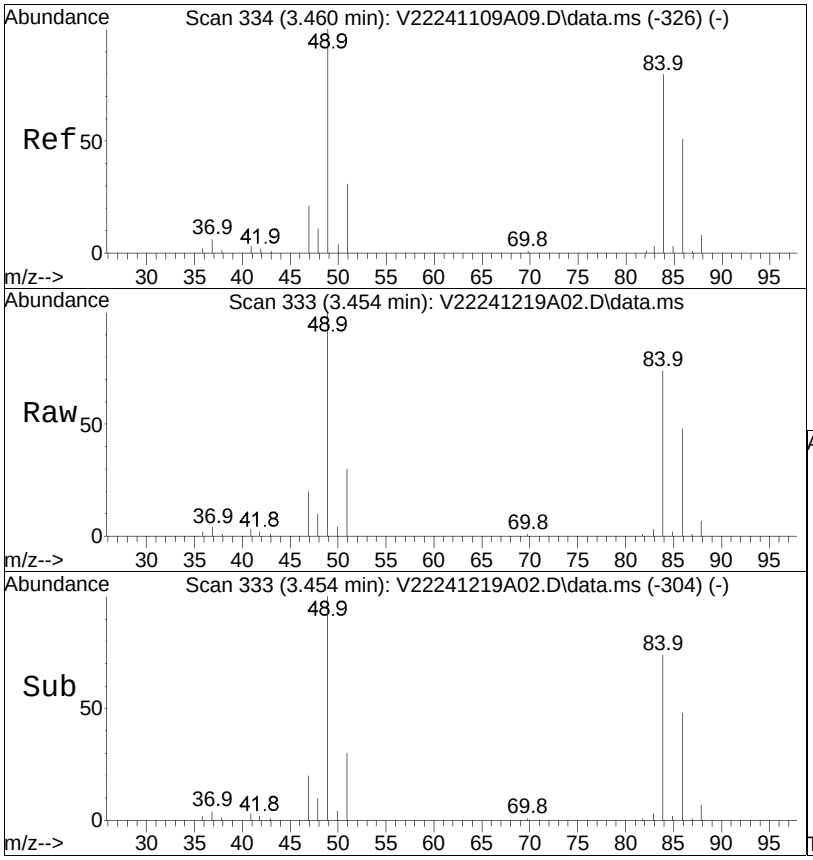


#11
Carbon disulfide
Concen: 10.04 ug/L
RT: 2.942 min Scan# 255
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 76 Resp: 235706

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

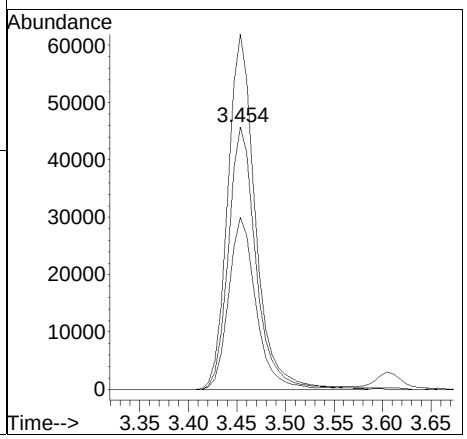


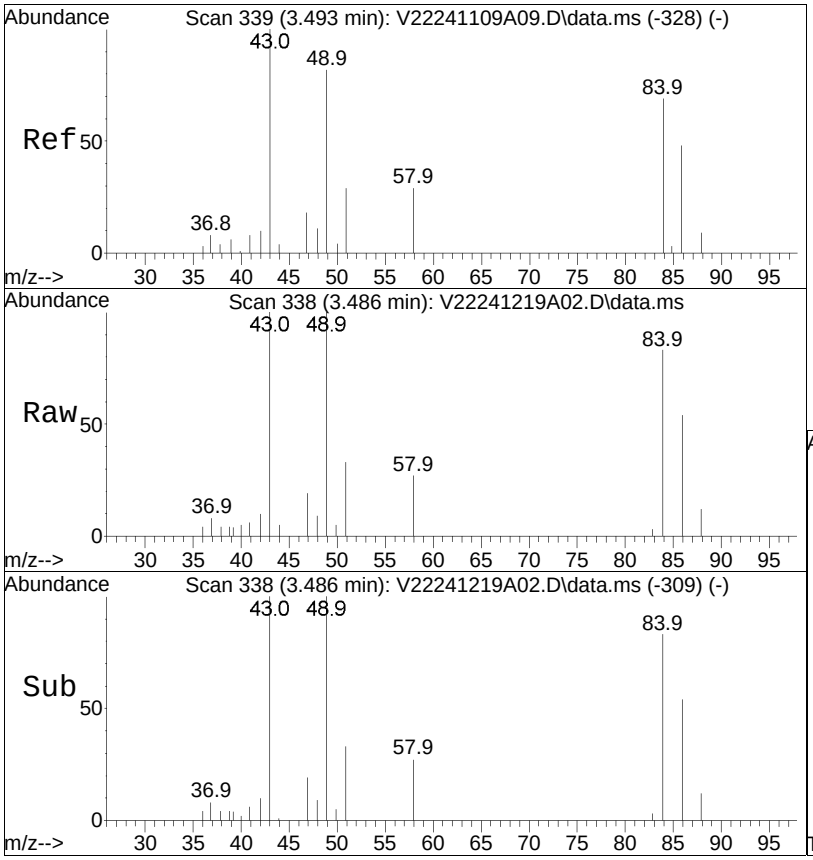


#15
Methylene chloride
Concen: 9.99 ug/L
RT: 3.454 min Scan# 333
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 84 Resp: 90722

Ion	Ratio	Lower	Upper
84	100		
86	64.7	41.5	86.3
49	134.7	68.8	143.0

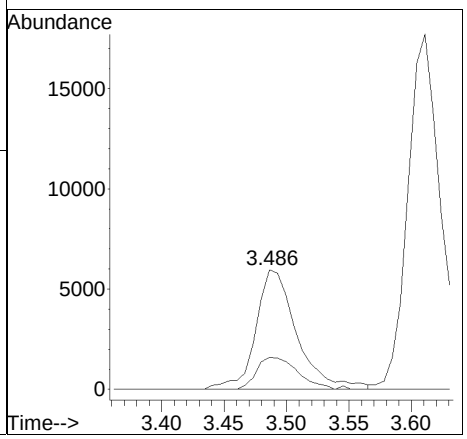


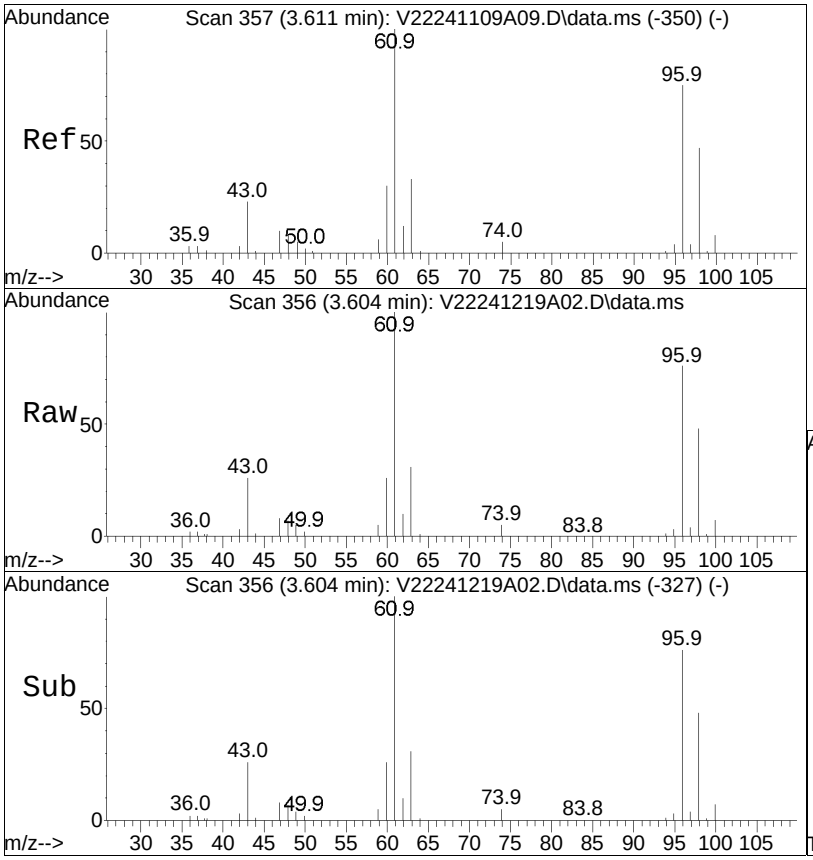


#17
Acetone
Concen: 10.50 ug/L
RT: 3.486 min Scan# 338
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 43 Resp: 13722

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.1	34.7

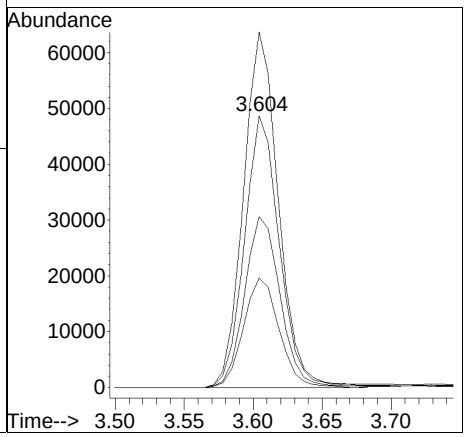


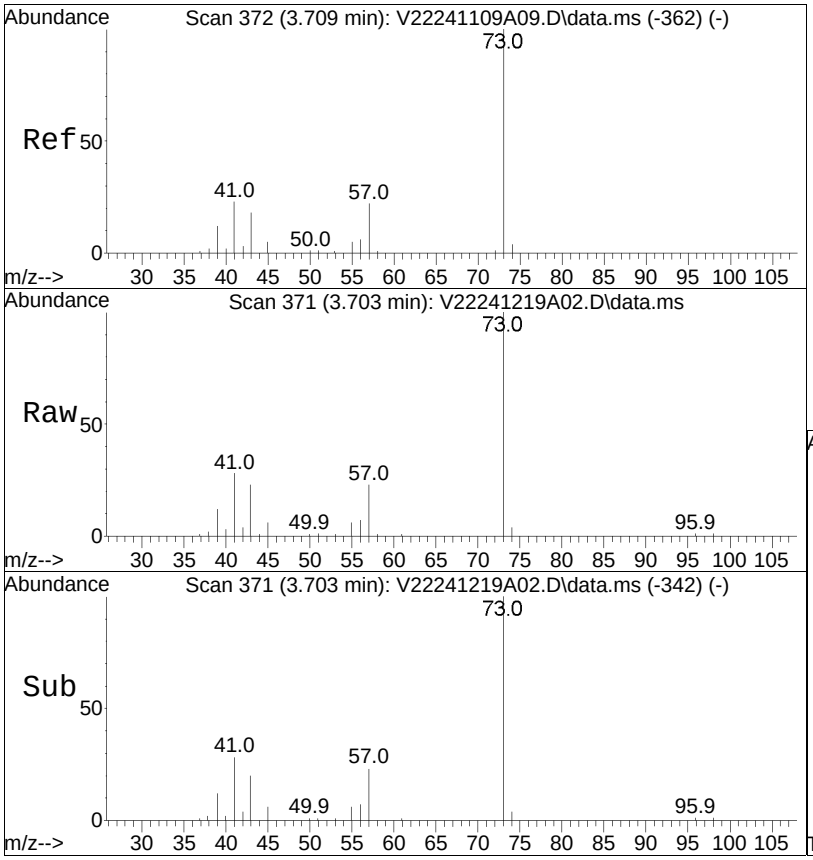


#18
trans-1,2-Dichloroethene
Concen: 10.13 ug/L
RT: 3.604 min Scan# 356
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 96 Resp: 85895

Ion	Ratio	Lower	Upper
96	100		
61	132.1	81.6	169.6
98	64.2	41.8	86.8
63	41.0	26.3	54.7

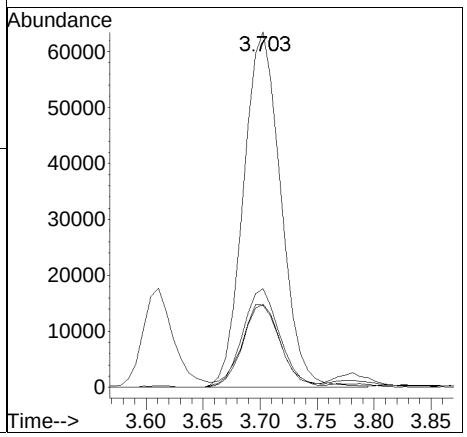


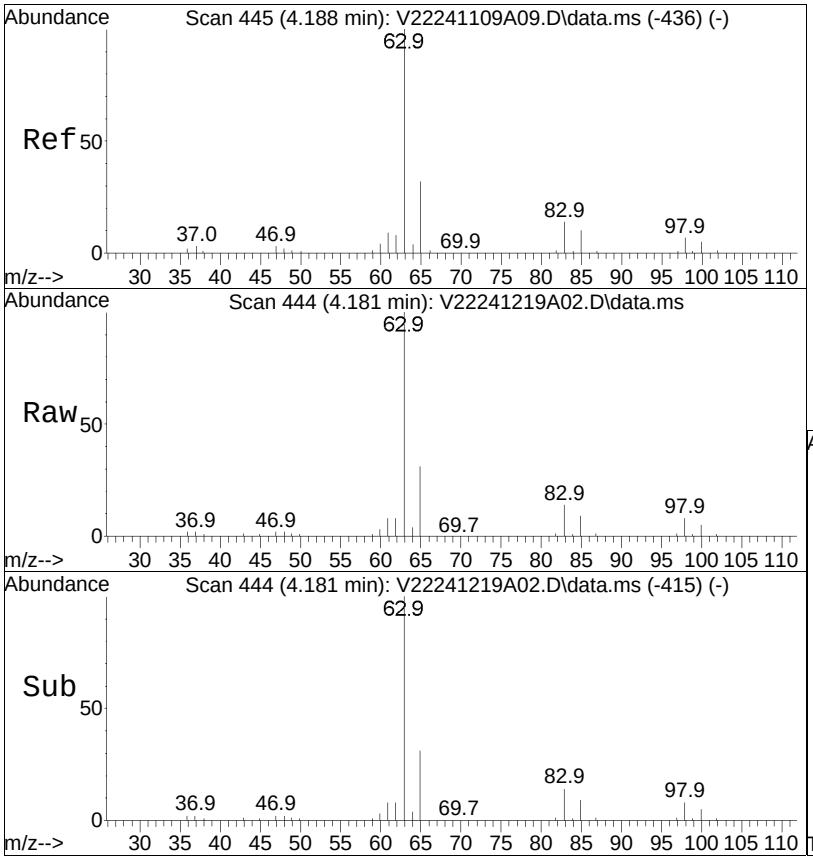


#21
Methyl tert-butyl ether
Concen: 9.75 ug/L
RT: 3.703 min Scan# 371
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 73 Resp: 145014

Ion	Ratio	Lower	Upper
73	100		
57	23.5	13.6	28.2
43	23.3	12.7	26.5
41	27.5	11.4	23.8#

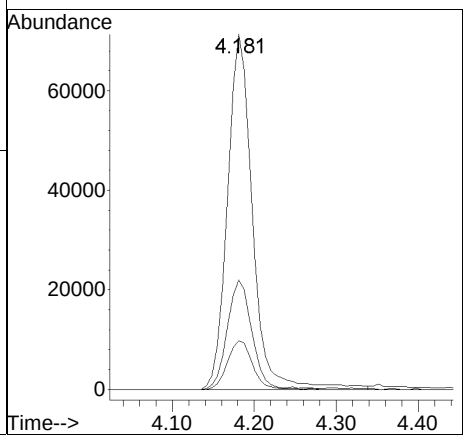


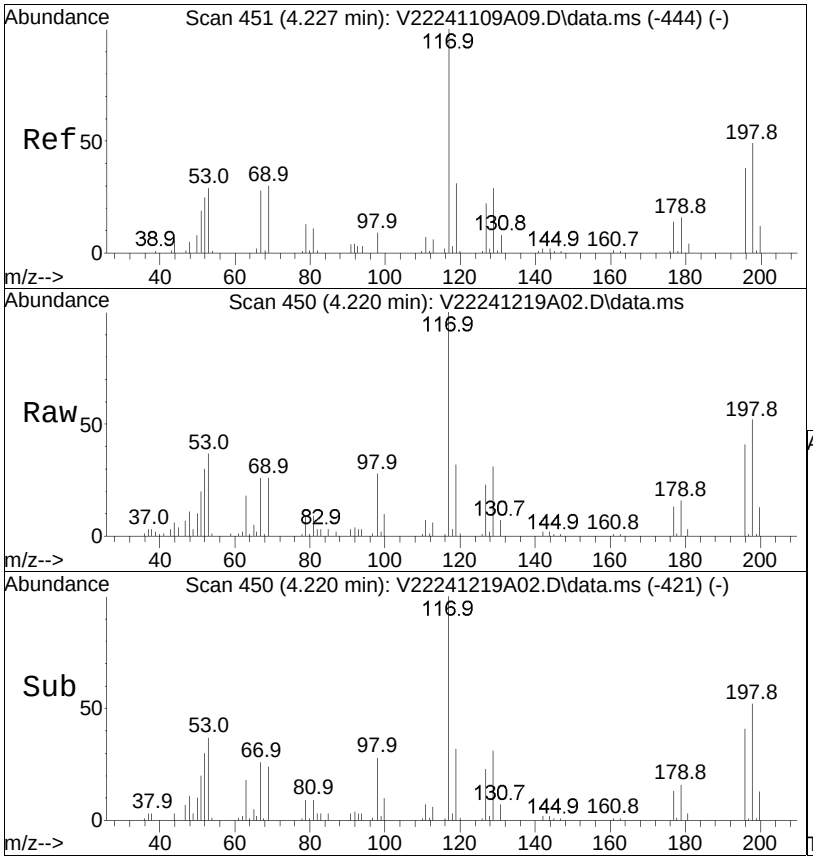


#25
1,1-Dichloroethane
Concen: 9.91 ug/L
RT: 4.181 min Scan# 444
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 63 Resp: 152233

Ion	Ratio	Lower	Upper
63	100		
65	29.9	11.9	51.9
83	13.6	0.0	34.2

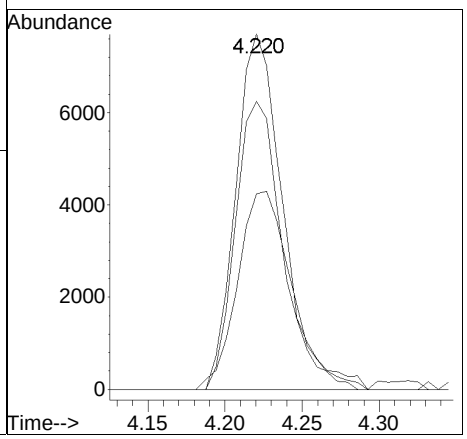


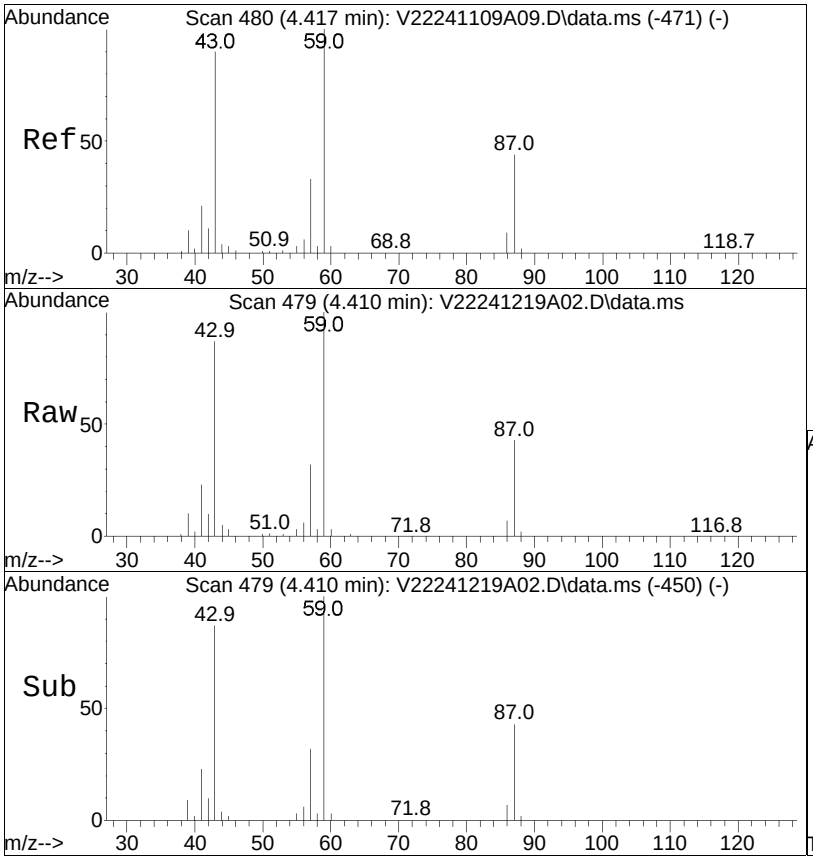


#27
Acrylonitrile
Concen: 10.58 ug/L
RT: 4.220 min Scan# 450
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 53 Resp: 16502

Ion	Ratio	Lower	Upper
53	100		
52	81.4	63.8	95.8
51	63.0	50.2	75.4

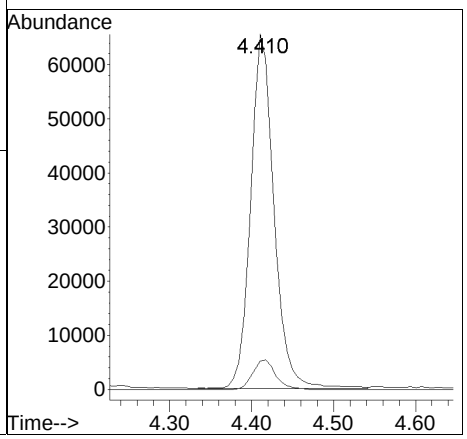


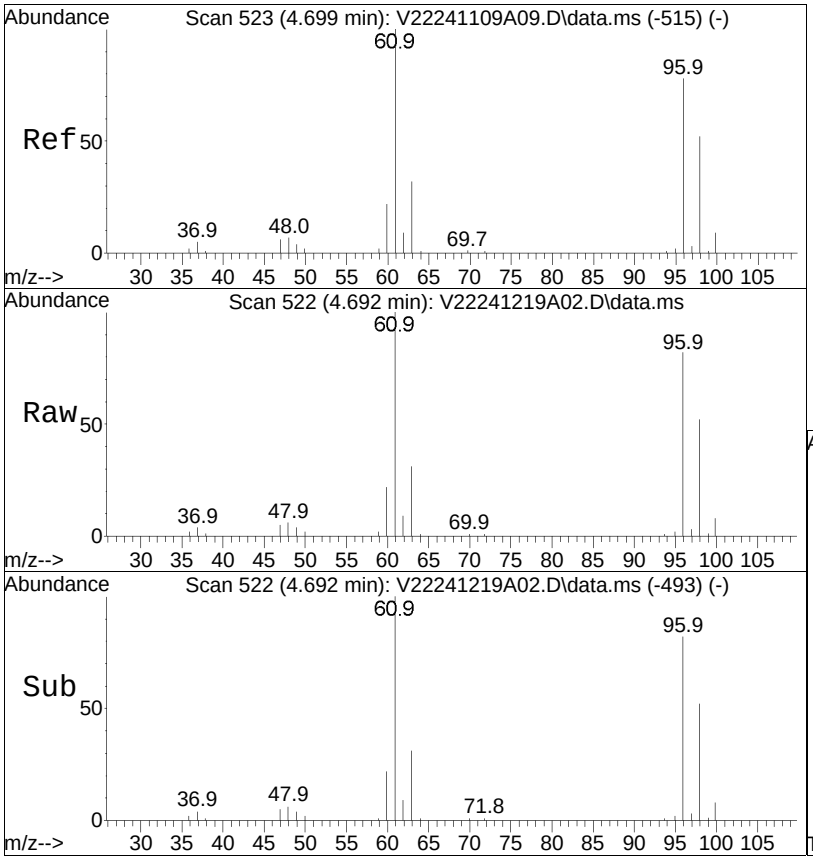


#29
Vinyl acetate
Concen: 9.75 ug/L
RT: 4.410 min Scan# 479
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 43 Resp: 129686

Ion	Ratio	Lower	Upper
43	100		
86	8.1	8.9	13.3#

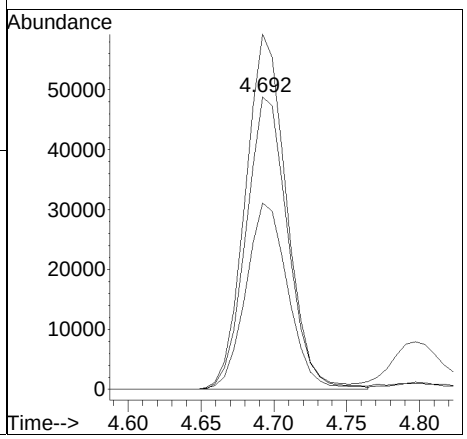


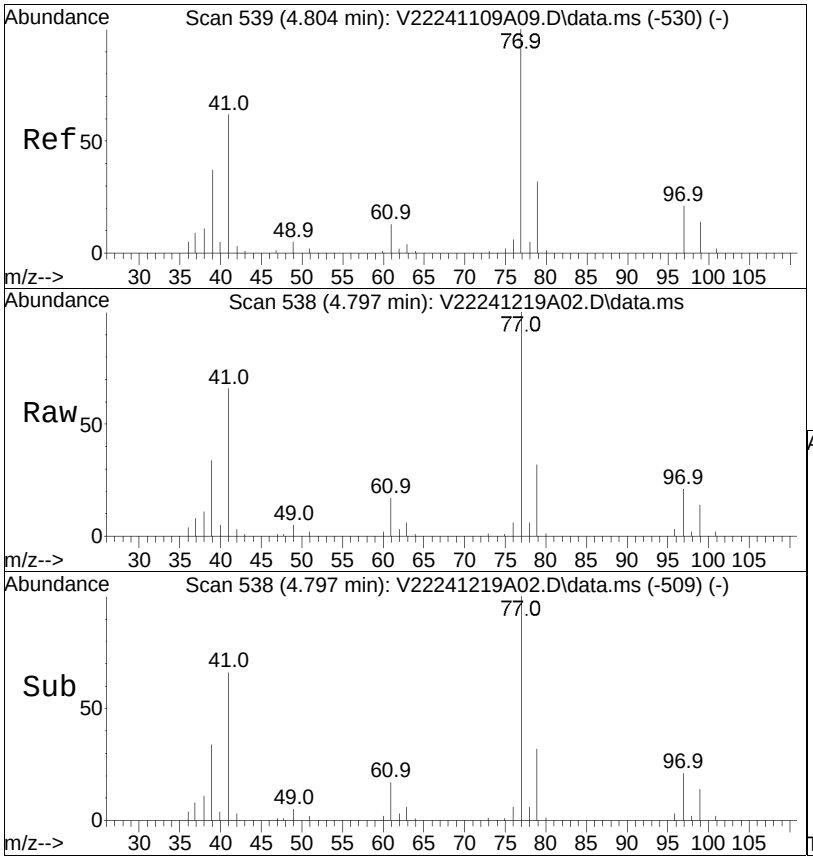


#30
cis-1,2-Dichloroethene
Concen: 10.36 ug/L
RT: 4.692 min Scan# 522
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 96 Resp: 97220

Ion	Ratio	Lower	Upper
96	100		
61	119.6	90.3	135.5
98	64.5	50.8	76.2

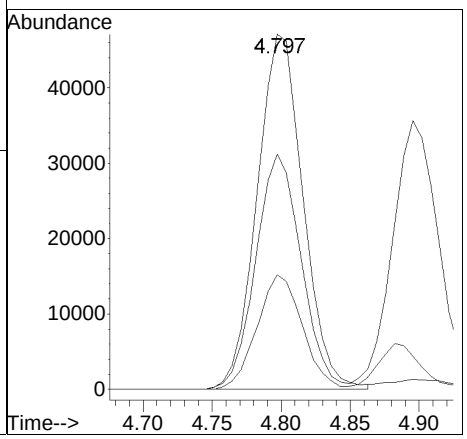


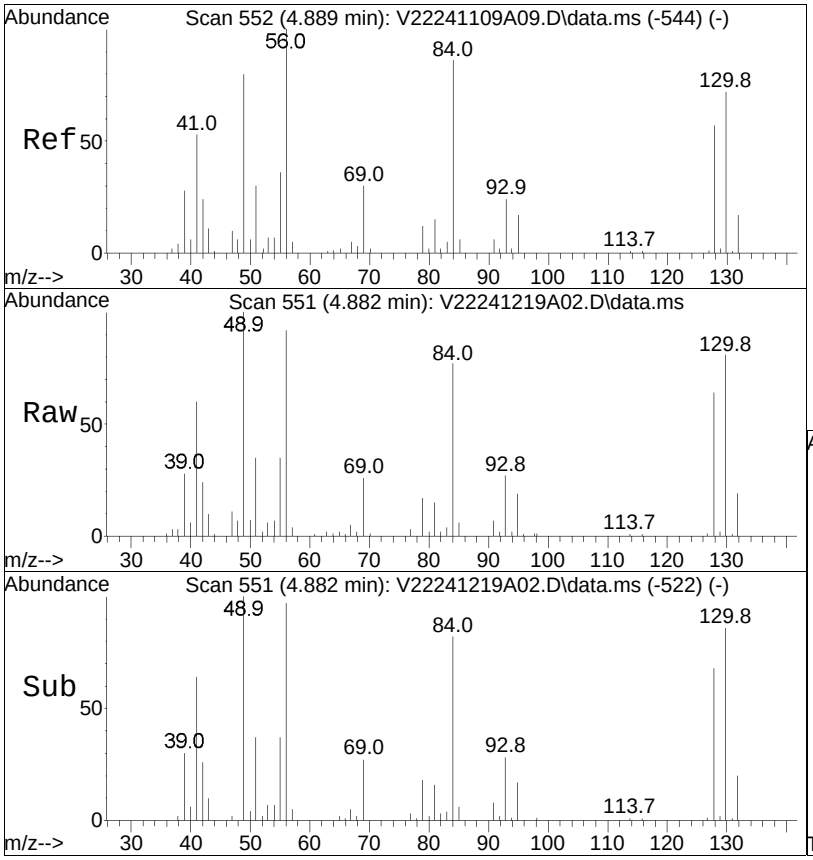


#31
2,2-Dichloropropane
Concen: 9.63 ug/L
RT: 4.797 min Scan# 538
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 77 Resp: 109264

Ion	Ratio	Lower	Upper
77	100		
41	65.5	32.3	67.1
79	31.7	21.1	43.7

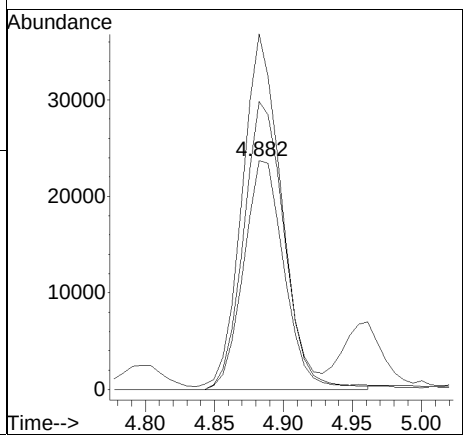


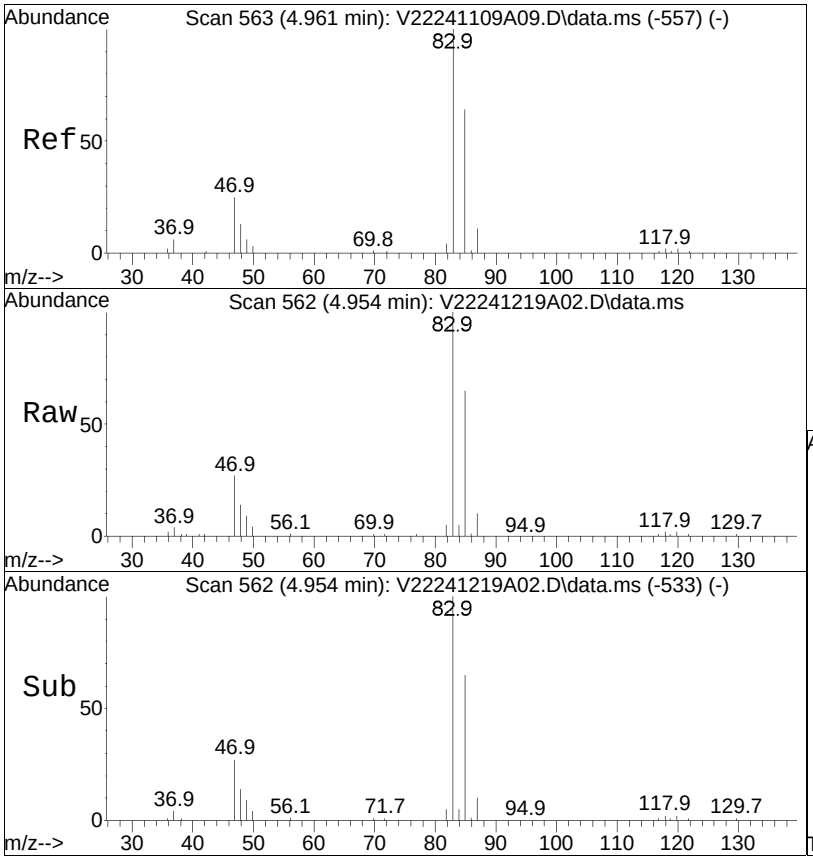


#32
Bromochloromethane
Concen: 10.32 ug/L
RT: 4.882 min Scan# 551
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:128 Resp: 48702

Ion	Ratio	Lower	Upper
128	100		
49	148.0	104.4	156.6
130	126.5	103.9	155.9

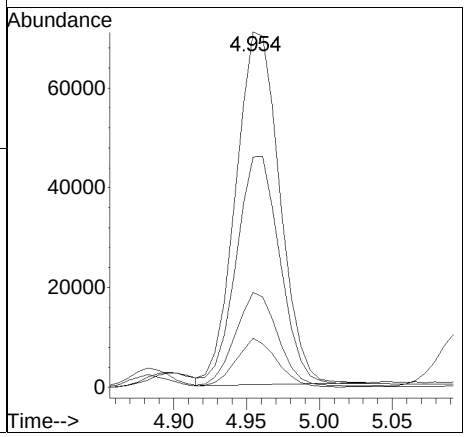


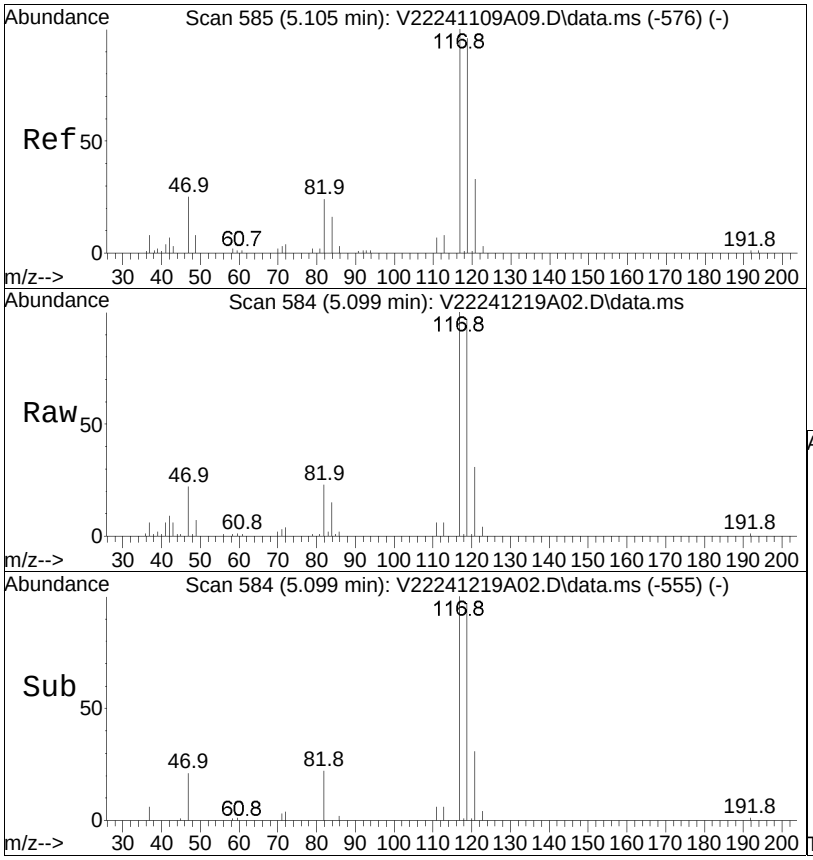


#34
Chloroform
Concen: 9.69 ug/L
RT: 4.954 min Scan# 562
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 83 Resp: 148711

Ion	Ratio	Lower	Upper
83	100		
85	64.4	42.4	88.2
47	25.3	14.0	29.0
48	13.2	6.9	14.3

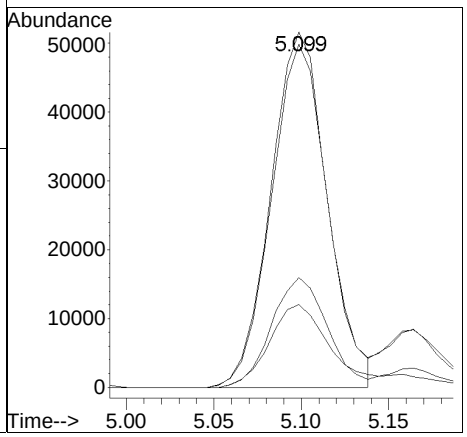


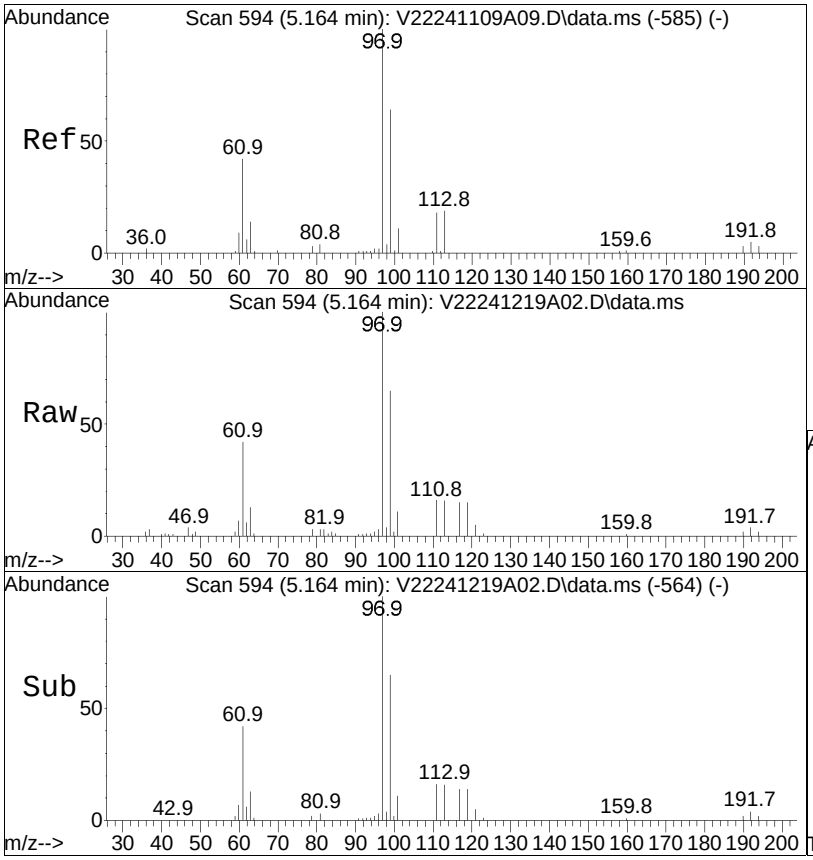


#36
Carbon tetrachloride
Concen: 9.34 ug/L
RT: 5.099 min Scan# 584
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:117 Resp: 116003

Ion	Ratio	Lower	Upper
117	100		
119	96.4	62.1	129.1
121	30.6	20.3	42.3
82	25.1	15.4	32.0

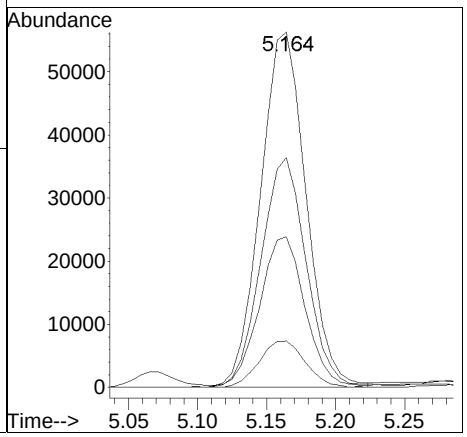


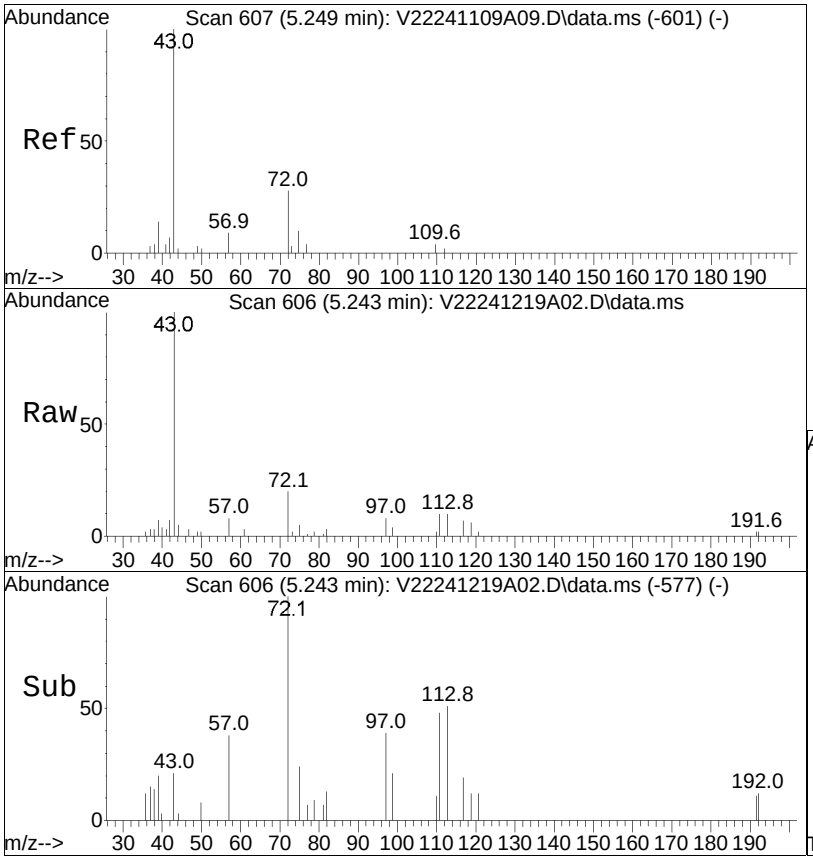


#39
1,1,1-Trichloroethane
Concen: 9.25 ug/L
RT: 5.164 min Scan# 594
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 97 Resp: 129461

Ion	Ratio	Lower	Upper
97	100		
99	64.7	42.4	88.0
61	42.1	26.0	54.0
63	13.3	8.3	17.3

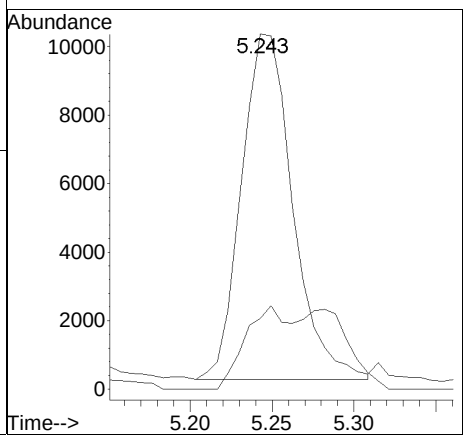


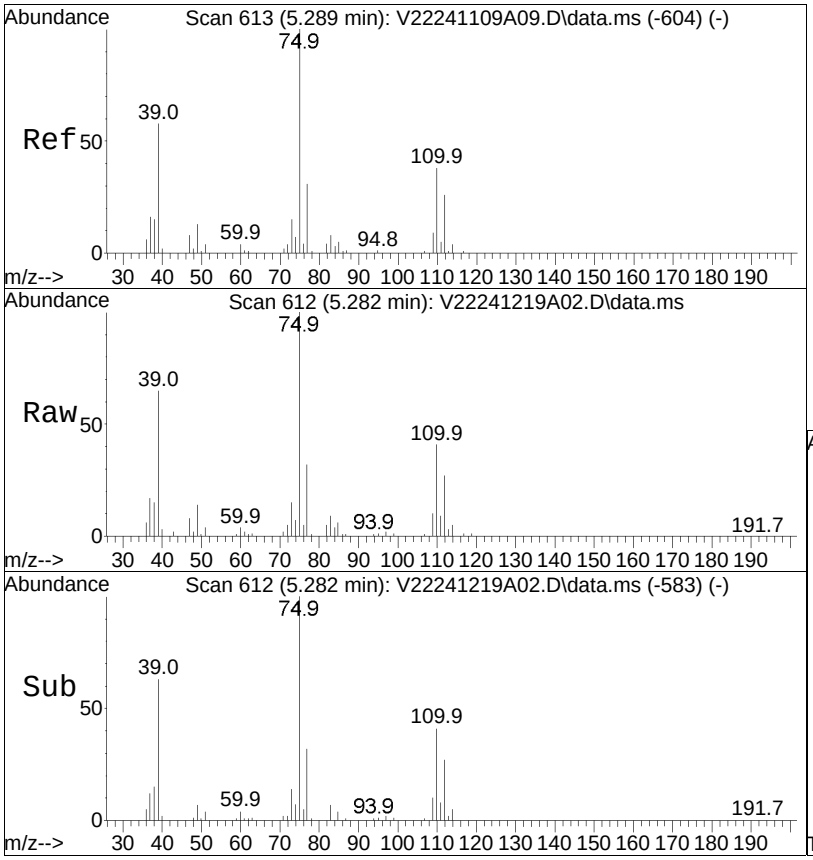


#41
2-Butanone
Concen: 11.82 ug/L
RT: 5.243 min Scan# 606
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 43 Resp: 21949

Ion	Ratio	Lower	Upper
43	100		
72	21.1	45.8	68.8#

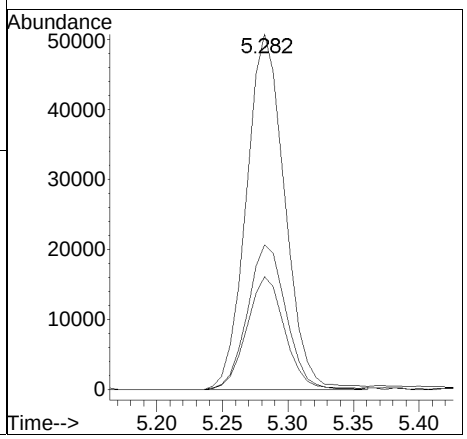


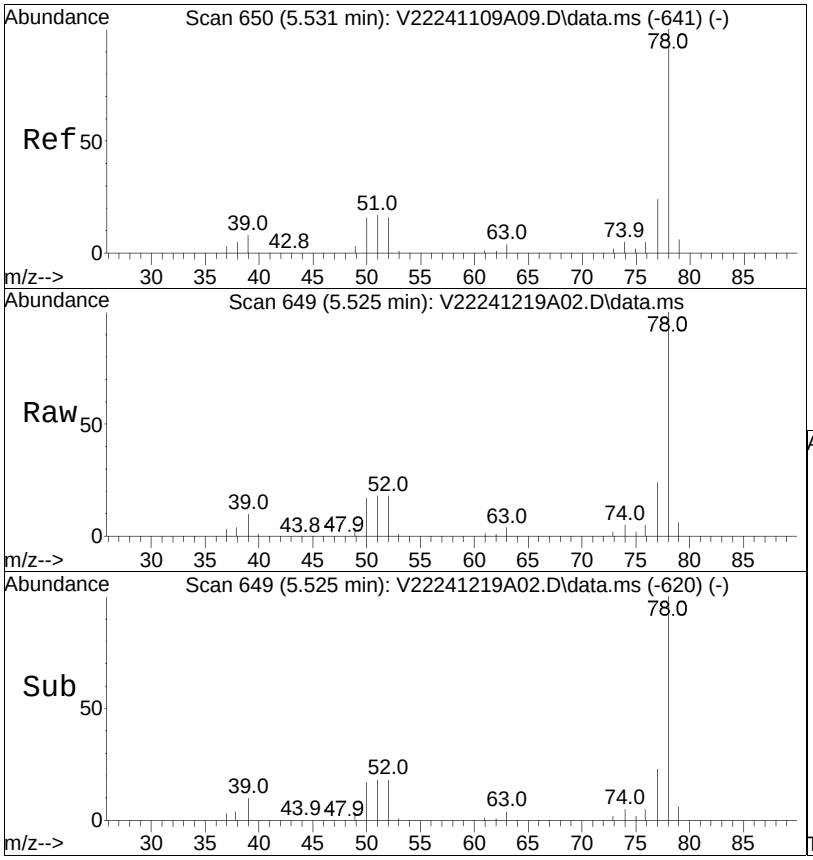


#42
1,1-Dichloropropene
Concen: 9.15 ug/L
RT: 5.282 min Scan# 612
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 75 Resp: 103499

Ion	Ratio	Lower	Upper
75	100		
110	40.8	25.4	52.8
77	31.2	20.3	42.1

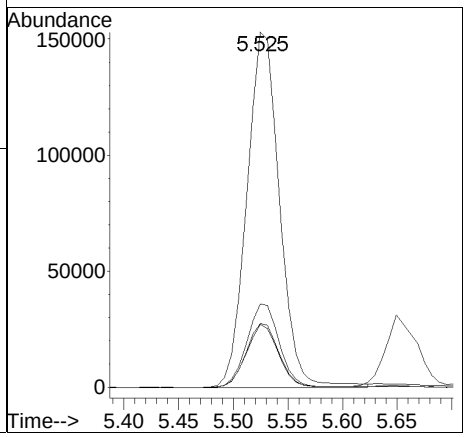


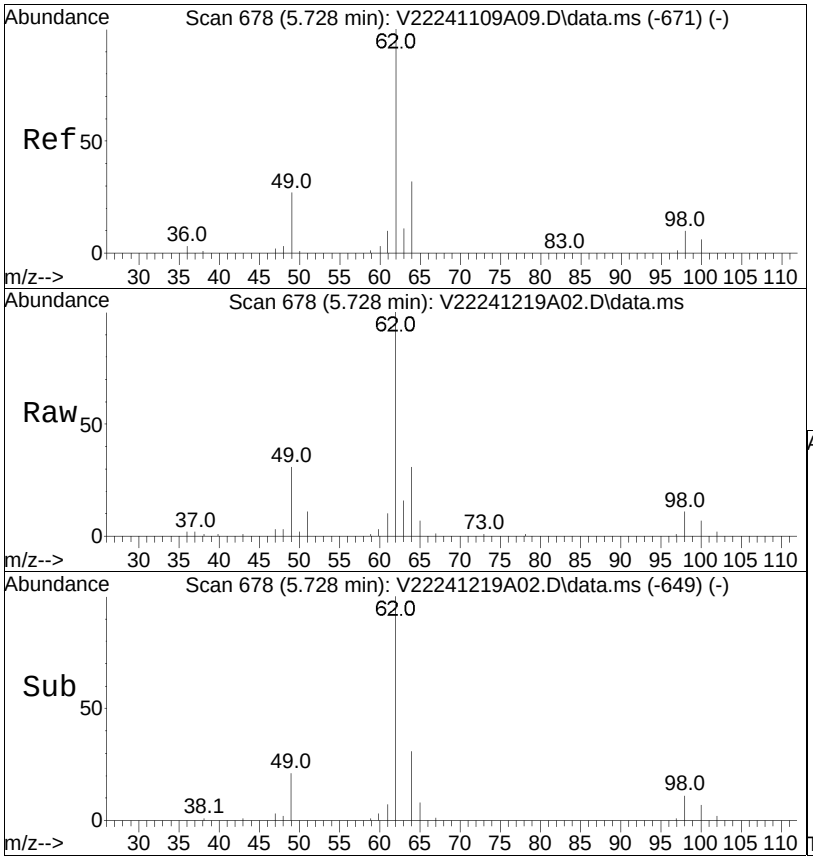


#44
Benzene
Concen: 9.55 ug/L
RT: 5.525 min Scan# 649
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 78 Resp: 318814

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.4	32.0
51	18.1	9.8	20.4
52	17.3	9.2	19.2

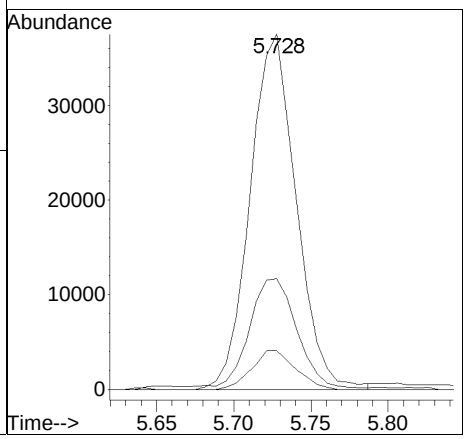


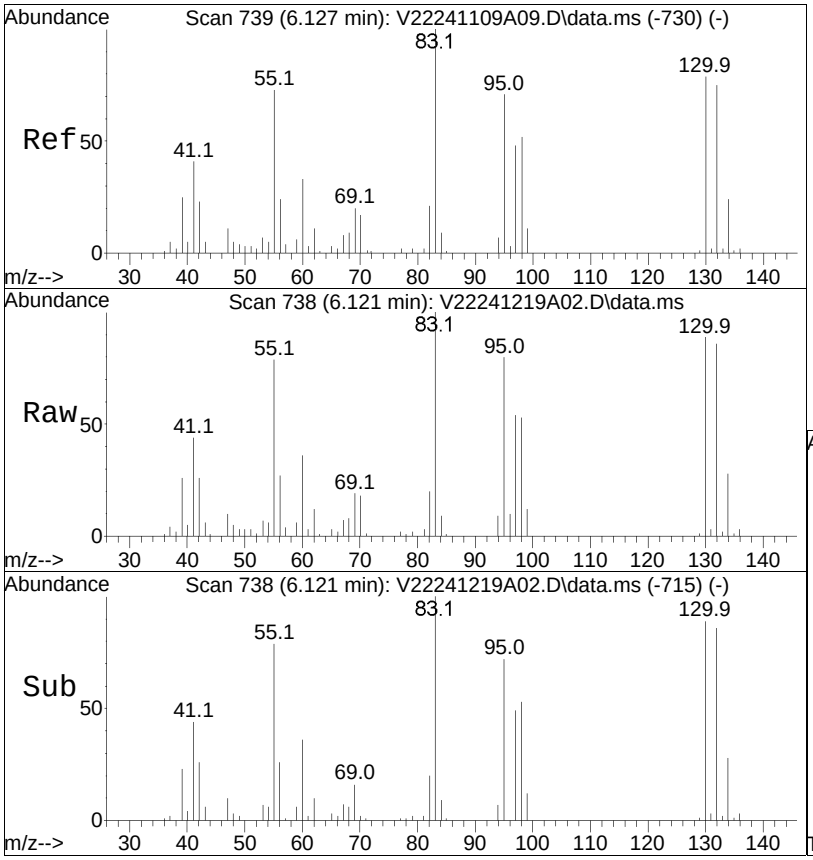


#47
1,2-Dichloroethane
Concen: 9.59 ug/L
RT: 5.728 min Scan# 678
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 62 Resp: 77813

Ion	Ratio	Lower	Upper
62	100		
64	36.3	12.3	52.3
98	10.4	0.0	30.3

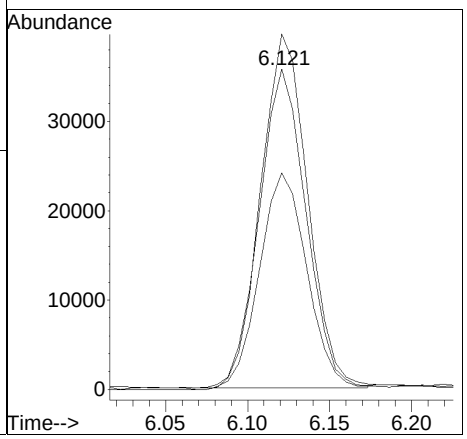


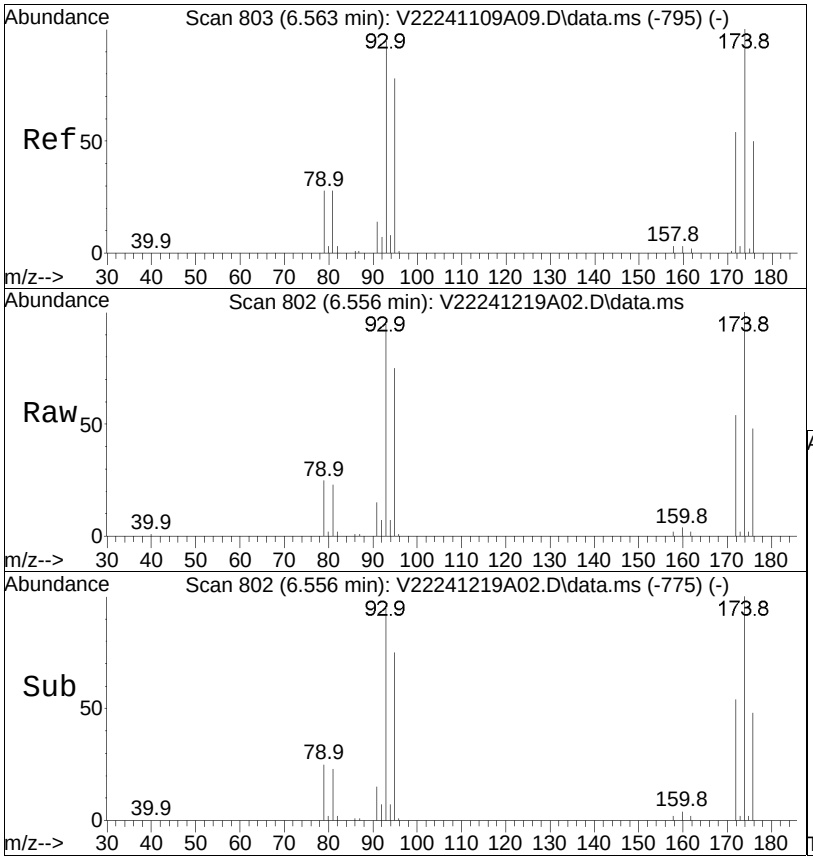


#51
Trichloroethene
Concen: 9.10 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 95 Resp: 70714

Ion	Ratio	Lower	Upper
95	100		
97	69.9	55.0	82.4
130	114.0	89.2	133.8

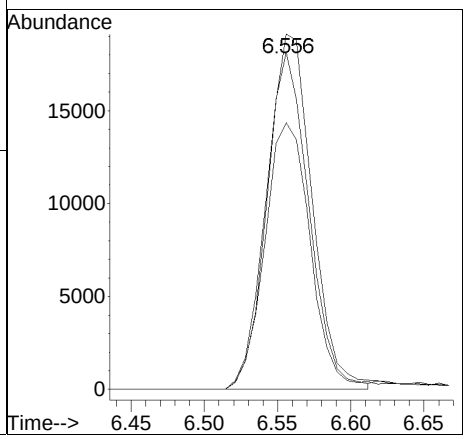


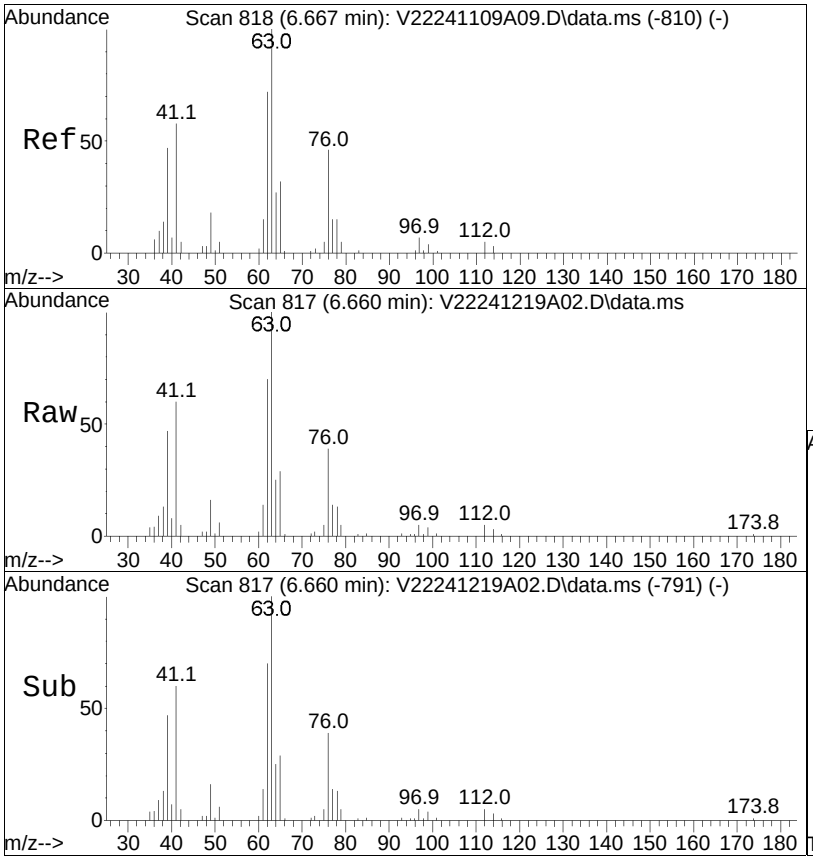


#53
Dibromomethane
Concen: 10.12 ug/L
RT: 6.556 min Scan# 802
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 93 Resp: 41861

Ion	Ratio	Lower	Upper
93	100		
95	82.8	68.0	102.0
174	108.0	106.1	159.1

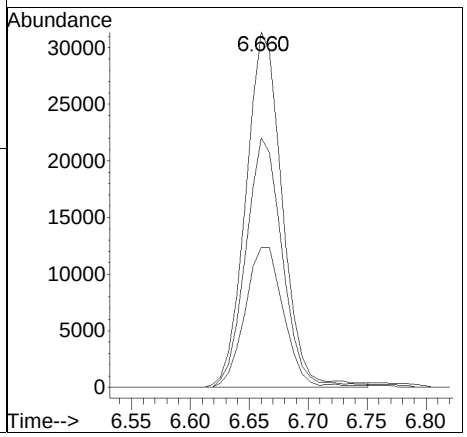


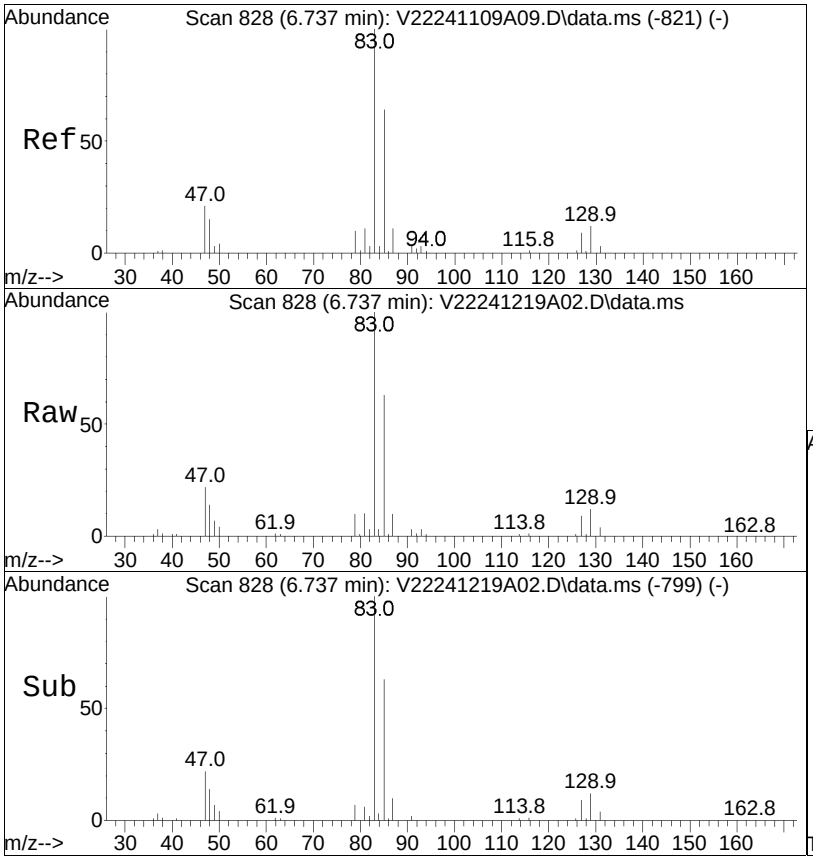


#54
1,2-Dichloropropane
Concen: 10.09 ug/L
RT: 6.660 min Scan# 817
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 63 Resp: 67758

Ion	Ratio	Lower	Upper
63	100		
62	71.2	56.9	85.3
76	41.3	35.8	53.8

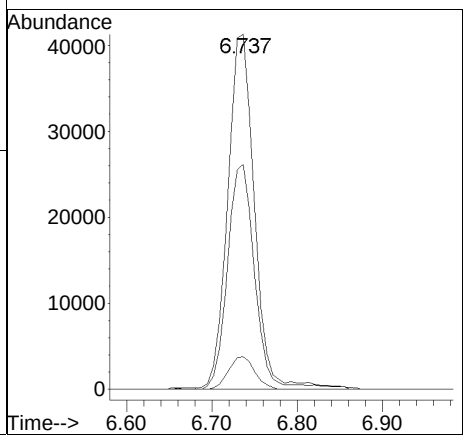


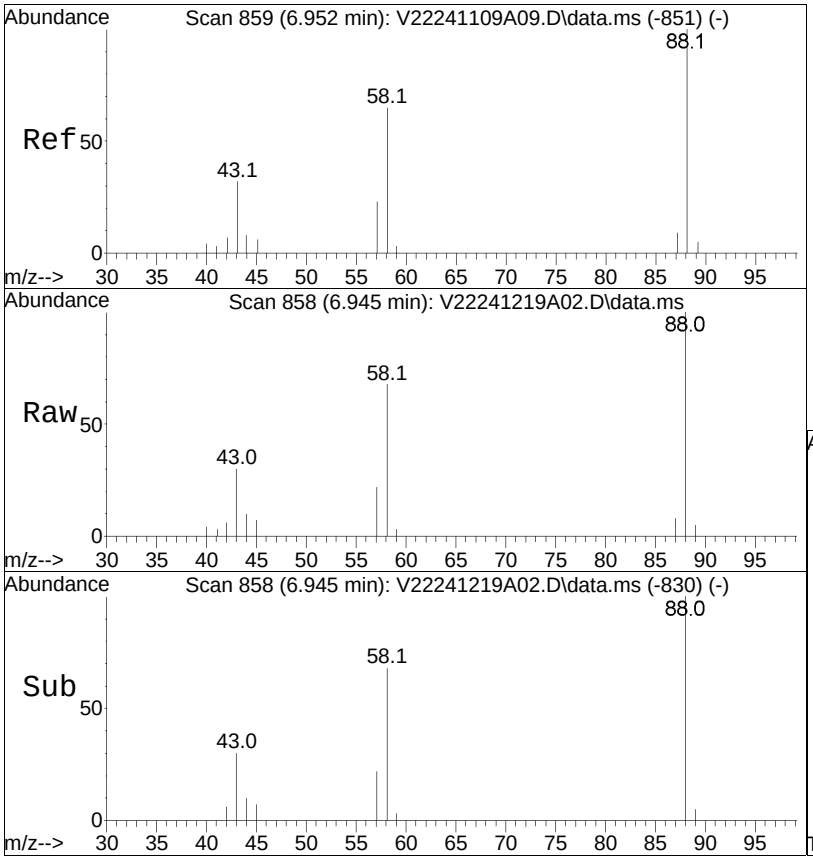


#57
Bromodichloromethane
Concen: 9.74 ug/L
RT: 6.737 min Scan# 828
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 83 Resp: 90793

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.6	77.4
127	9.0	7.4	11.0

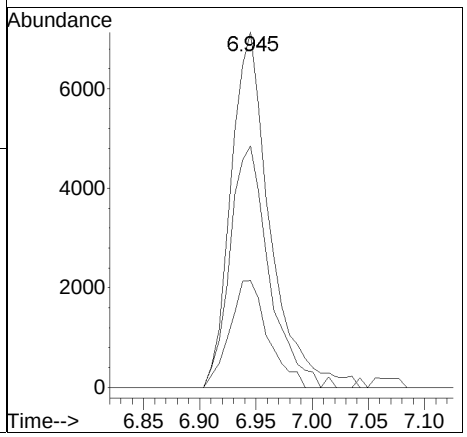


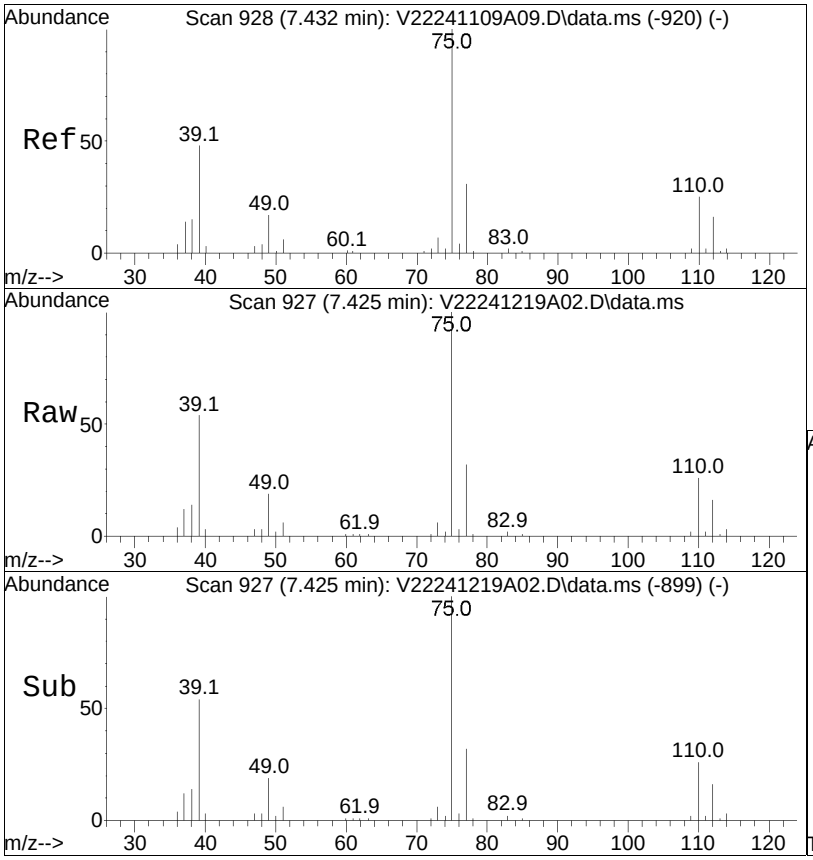


#60
1,4-Dioxane
Concen: 532.60 ug/L
RT: 6.945 min Scan# 858
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 88 Resp: 17217

Ion	Ratio	Lower	Upper
88	100		
58	68.5	43.3	64.9#
43	29.6	15.1	22.7#

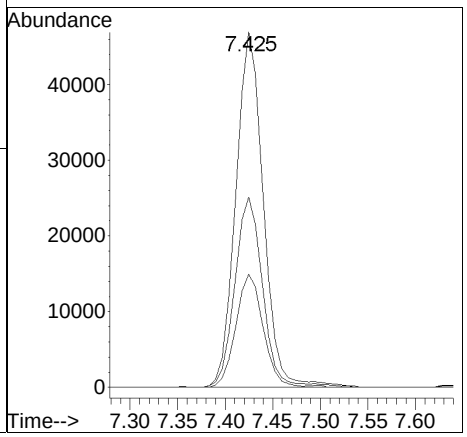


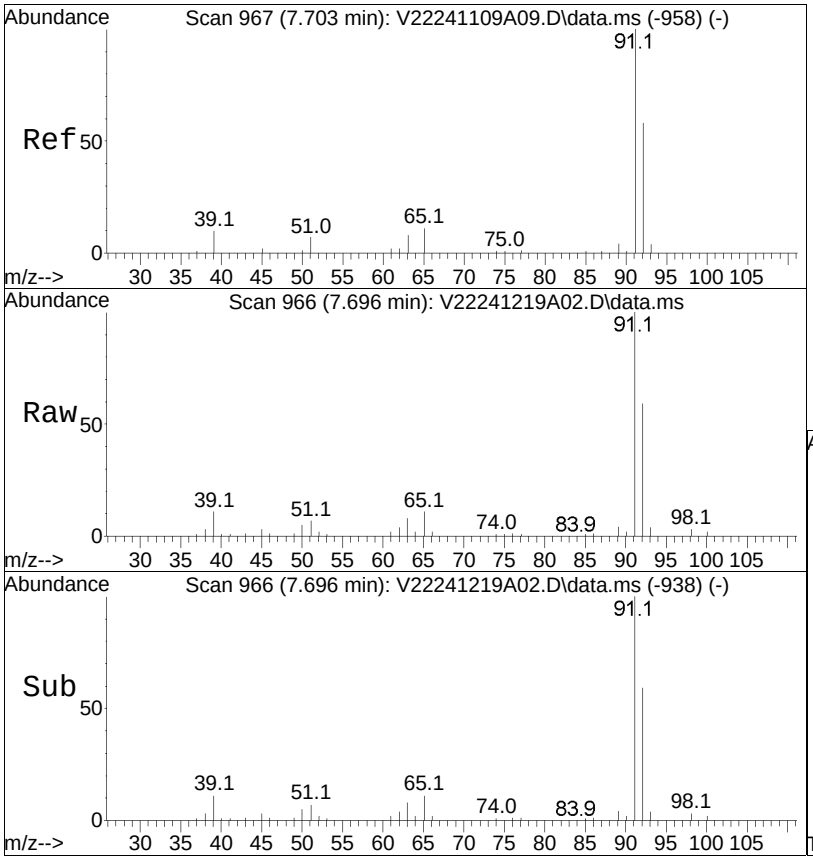


#61
cis-1,3-Dichloropropene
Concen: 9.77 ug/L
RT: 7.425 min Scan# 927
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 75 Resp: 94883

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	54.1	35.4	53.0#

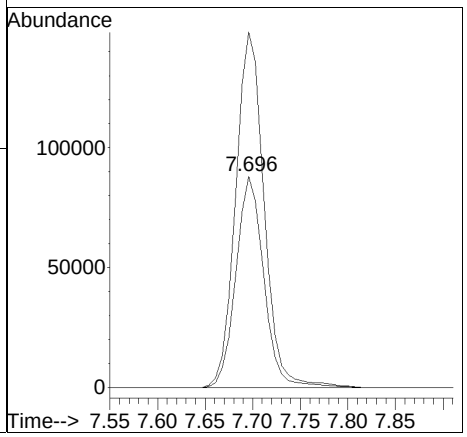


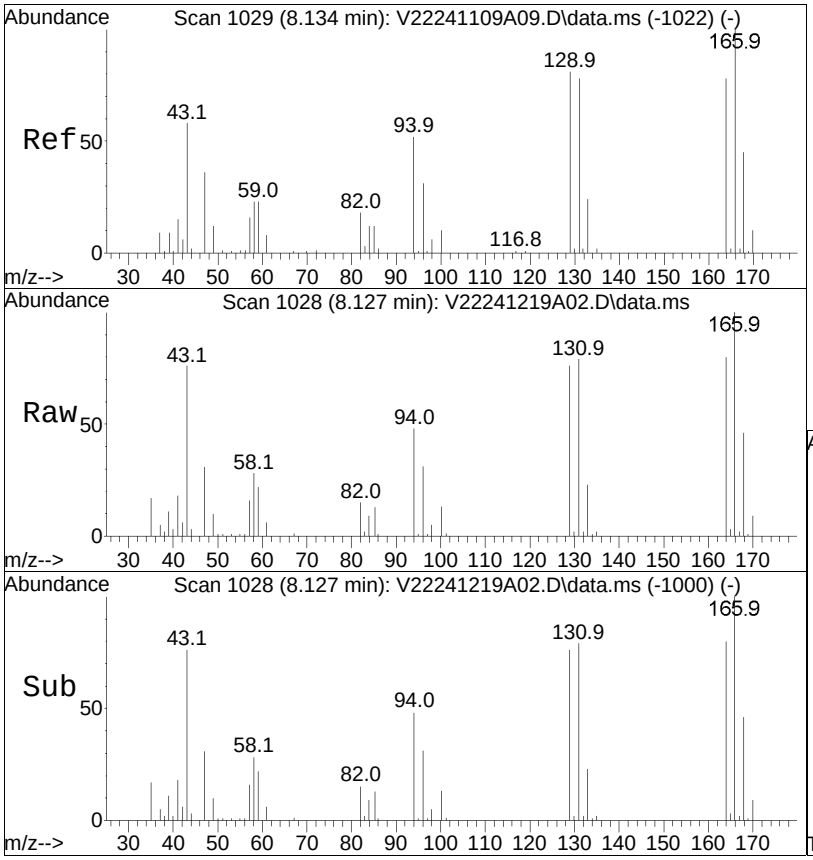


#64
Toluene
Concen: 9.88 ug/L
RT: 7.696 min Scan# 966
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 92 Resp: 179141

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.0	205.6

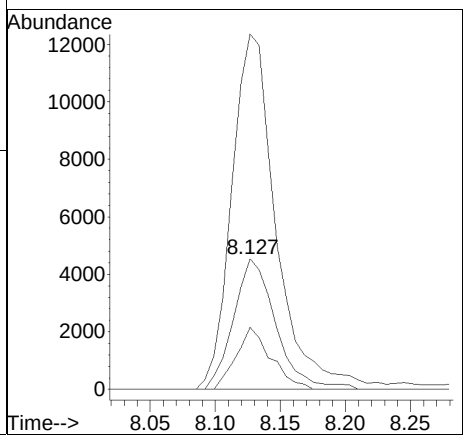


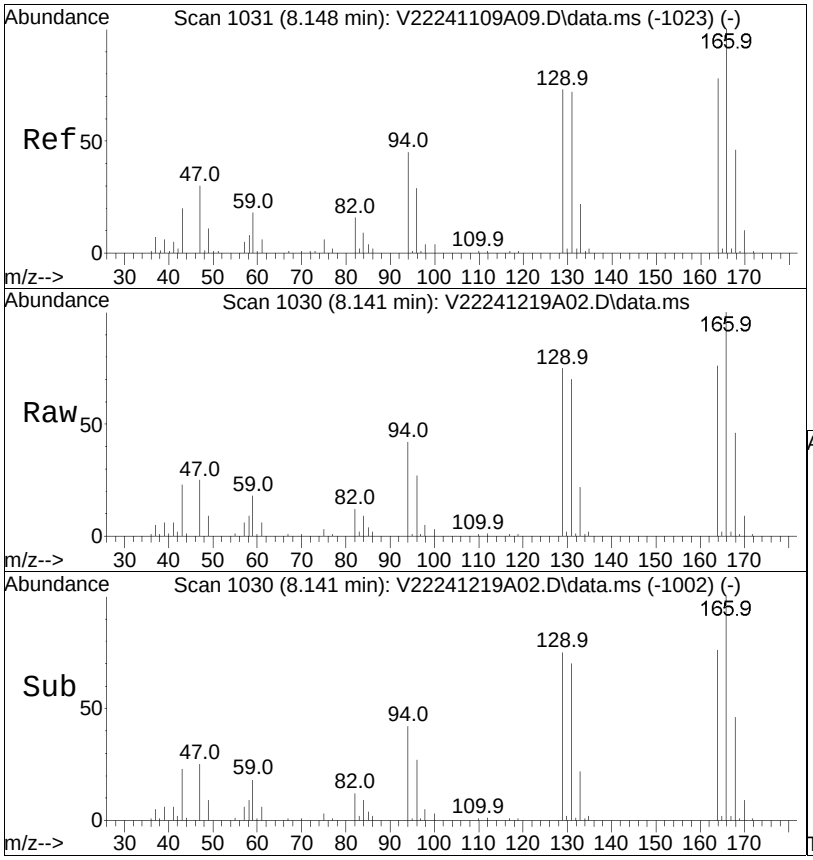


#65
4-Methyl-2-pentanone
Concen: 8.23 ug/L
RT: 8.127 min Scan# 1028
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 58 Resp: 10273

Ion	Ratio	Lower	Upper
58	100		
100	39.3	36.2	54.4
43	285.7	181.8	272.8#

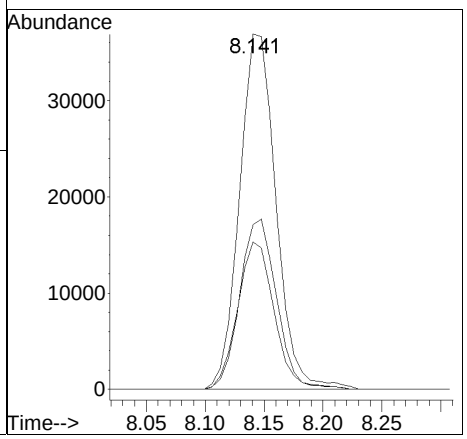


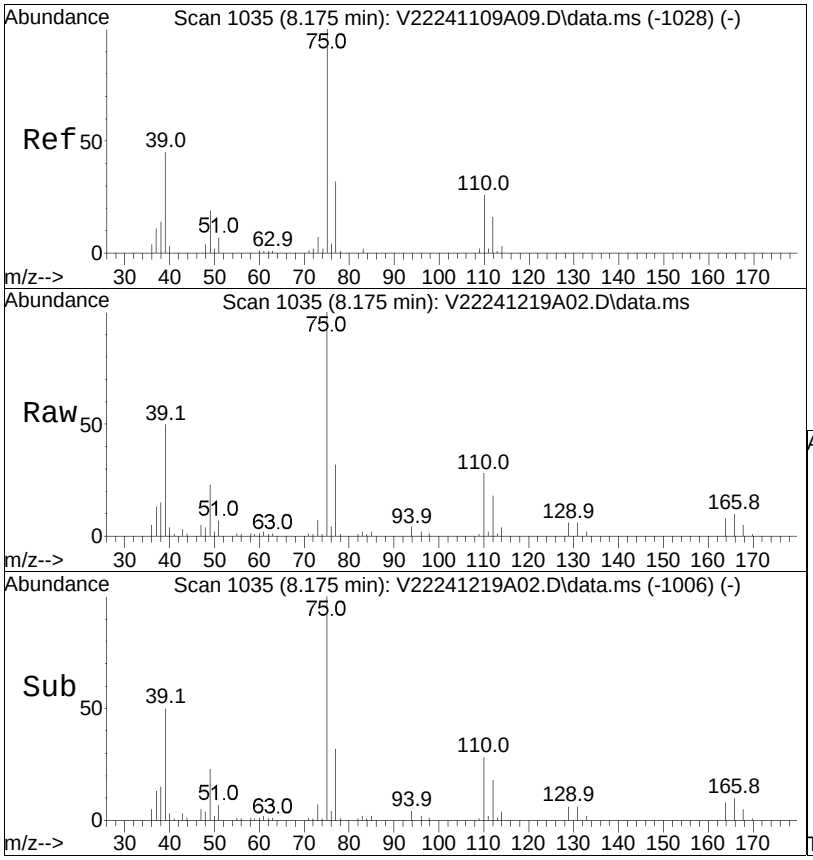


#66
Tetrachloroethene
Concen: 9.61 ug/L
RT: 8.141 min Scan# 1030
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:166 Resp: 79848

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.8	67.8
94	41.6	16.7	56.7

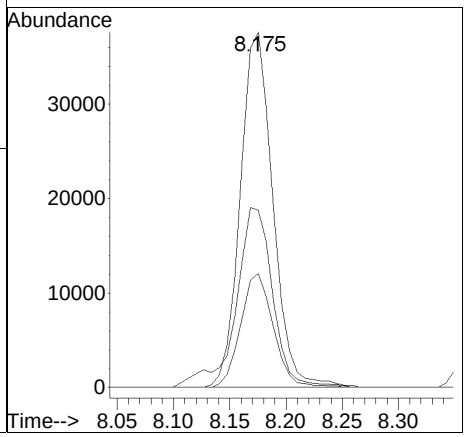


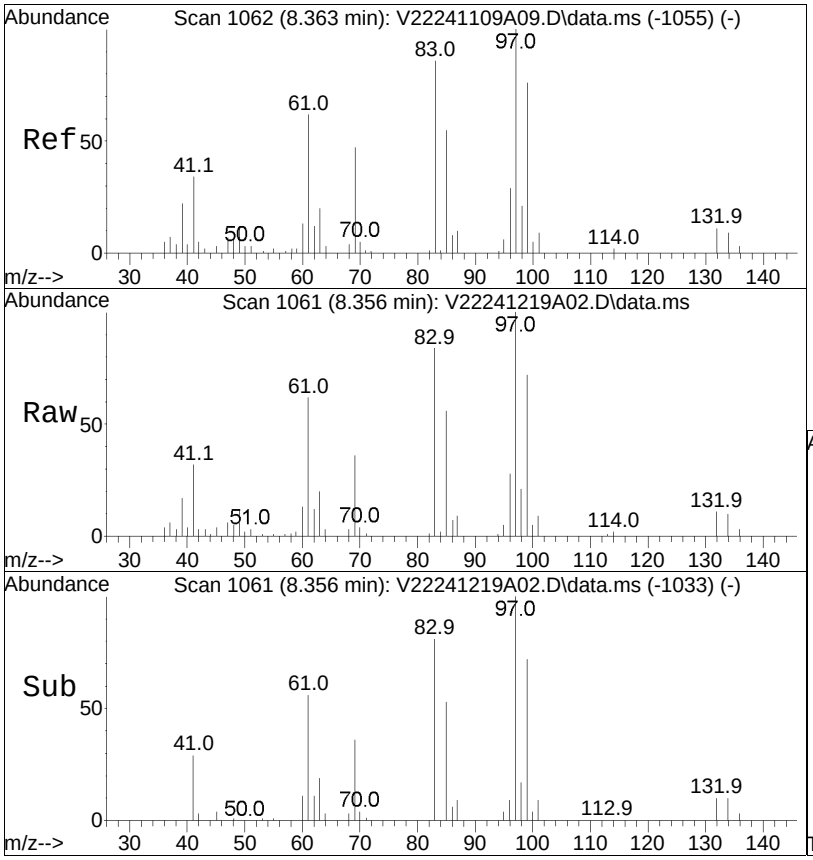


#68
trans-1,3-Dichloropropene
Concen: 9.18 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 75 Resp: 76042

Ion	Ratio	Lower	Upper
75	100		
77	32.2	11.9	51.9
39	57.0	27.4	67.4

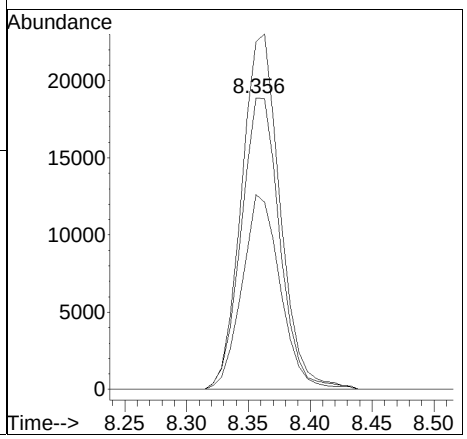


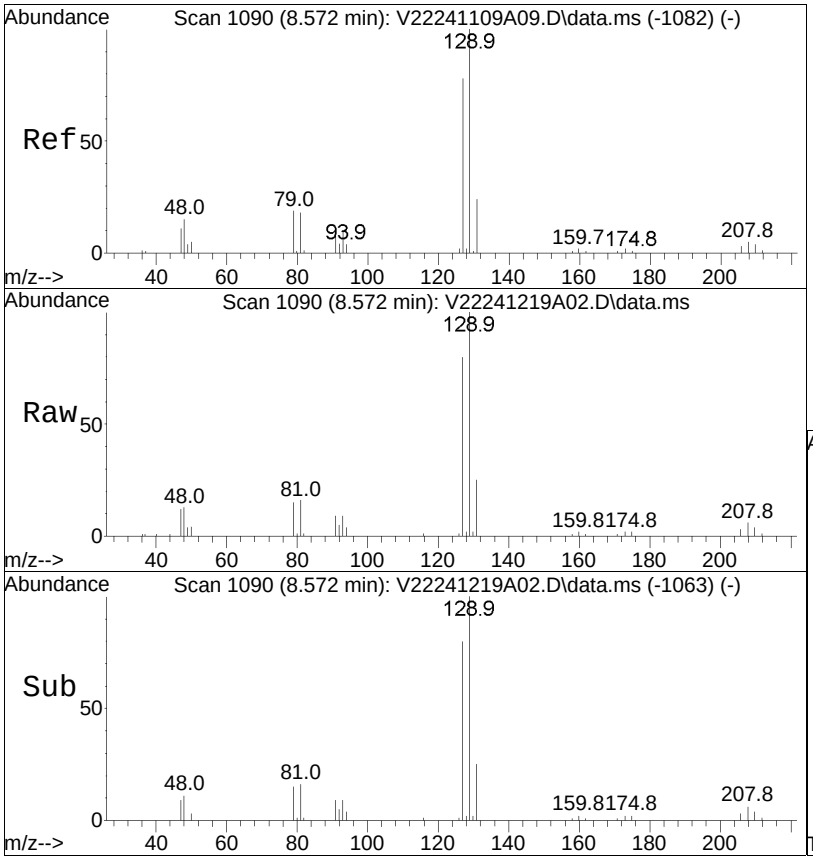


#71
1,1,2-Trichloroethane
Concen: 9.73 ug/L
RT: 8.356 min Scan# 1061
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 83 Resp: 41176

Ion	Ratio	Lower	Upper
83	100		
97	121.3	103.4	143.4
85	66.2	47.9	87.9

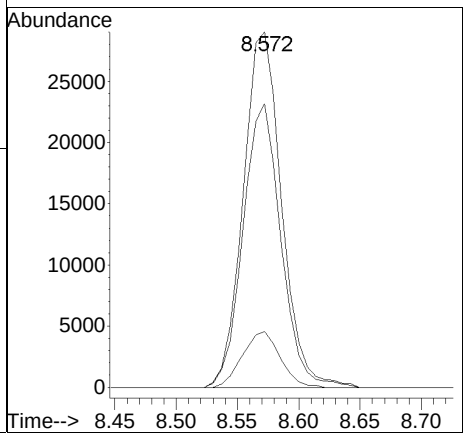


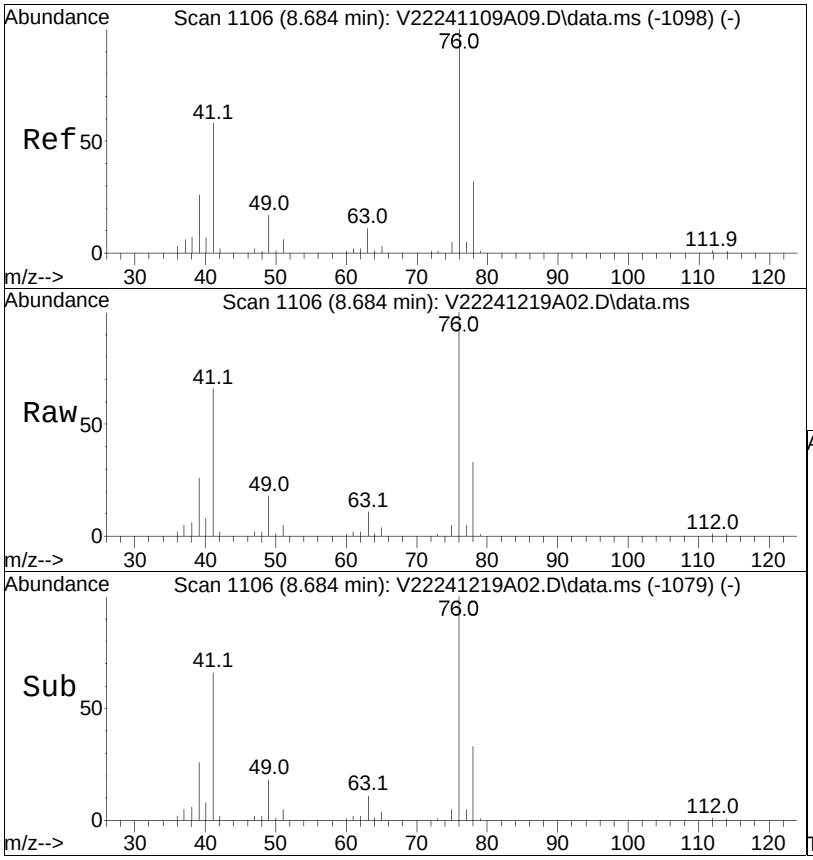


#72
Chlorodibromomethane
Concen: 9.07 ug/L
RT: 8.572 min Scan# 1090
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:129 Resp: 63216

Ion	Ratio	Lower	Upper
129	100		
81	15.4	0.0	33.8
127	78.8	57.1	97.1

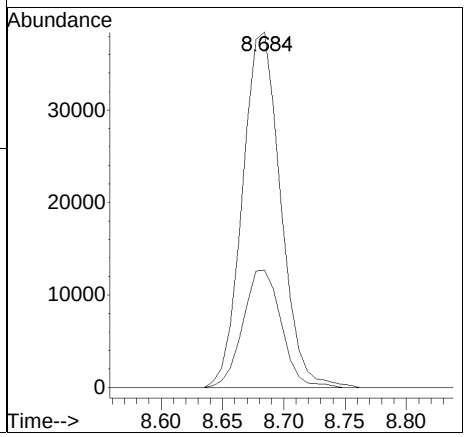


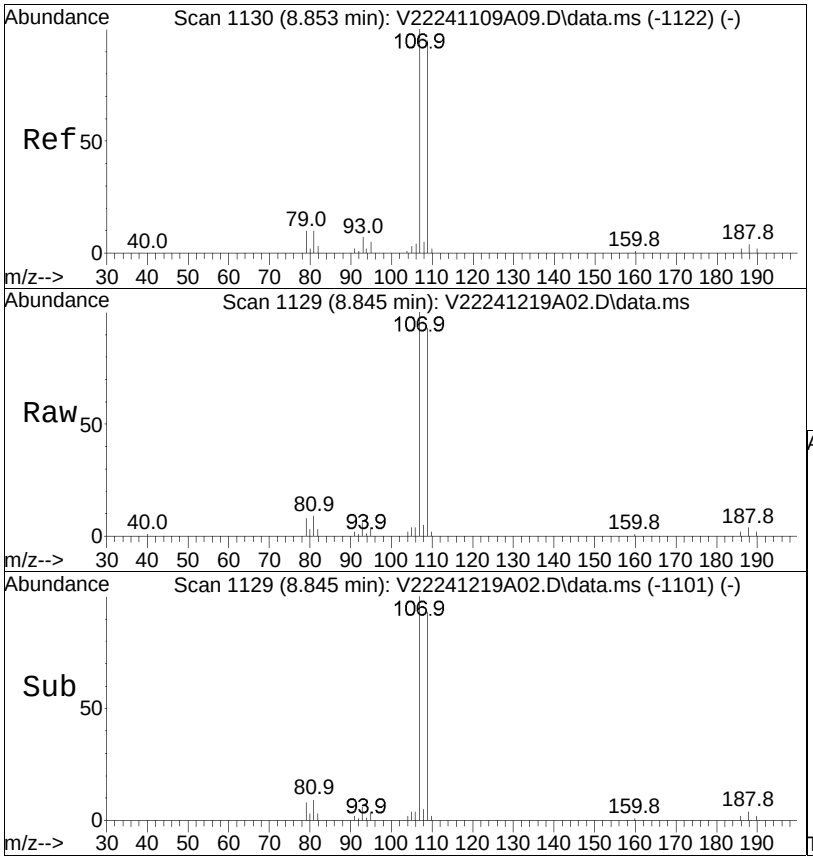


#73
1,3-Dichloropropane
Concen: 9.54 ug/L
RT: 8.684 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 76 Resp: 83165

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.7	38.5

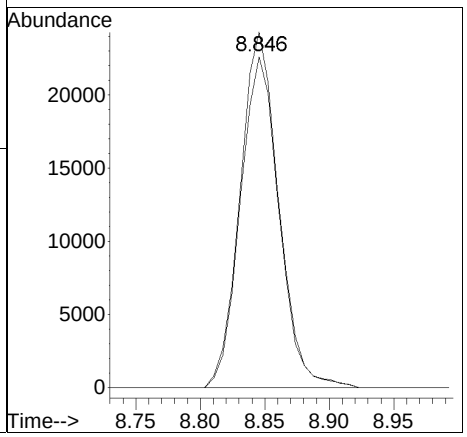


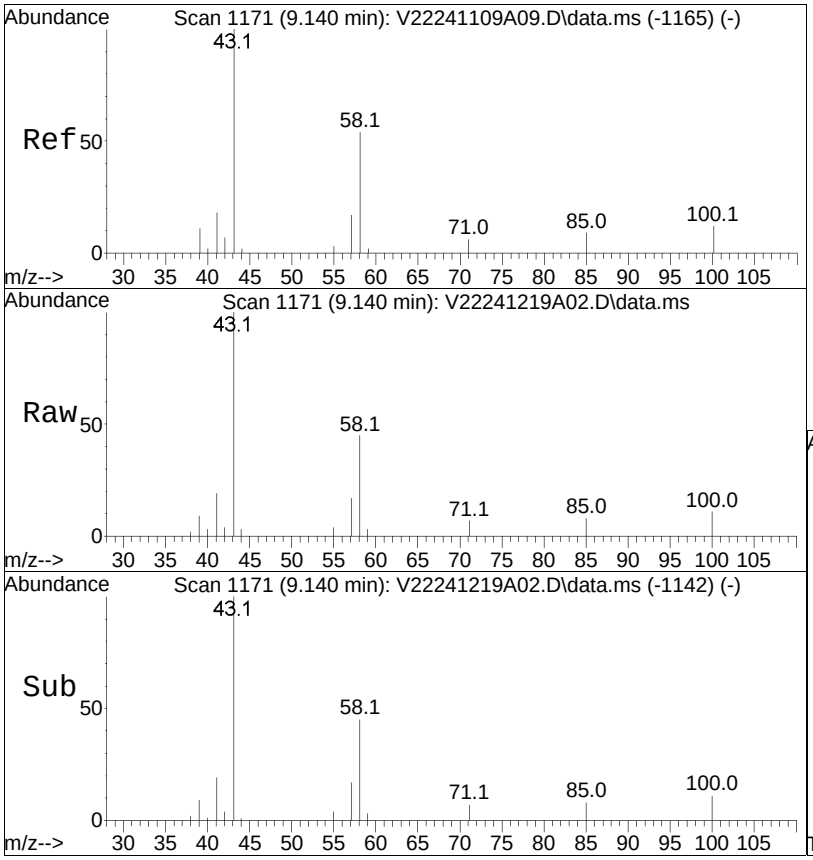


#74
1,2-Dibromoethane
Concen: 9.68 ug/L
RT: 8.845 min Scan# 1129
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:107 Resp: 50399

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.1	112.7

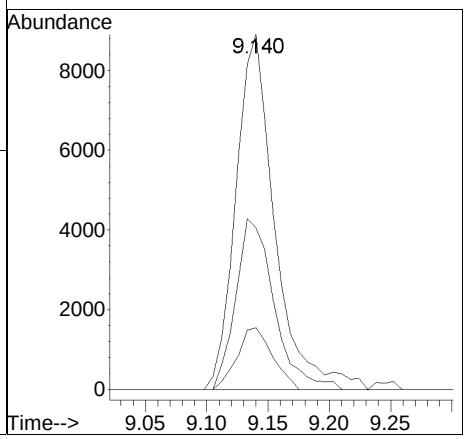


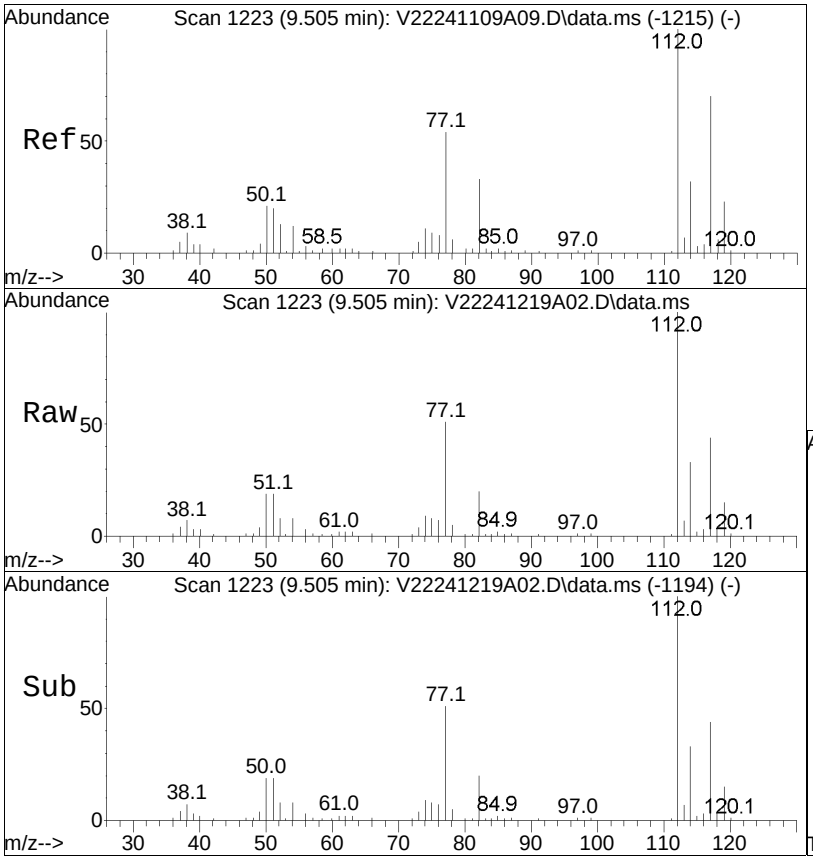


#76
2-Hexanone
Concen: 9.70 ug/L
RT: 9.140 min Scan# 1171
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 43 Resp: 19690

Ion	Ratio	Lower	Upper
43	100		
58	47.5	47.6	71.4#
57	15.8	16.6	24.8#

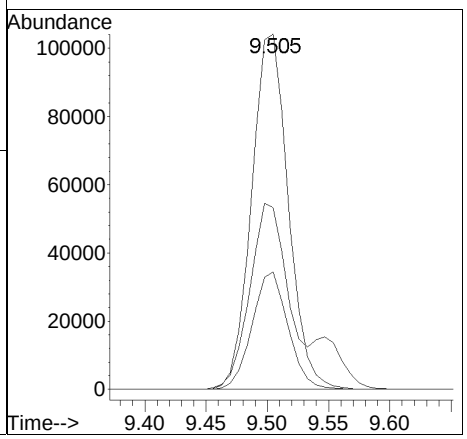


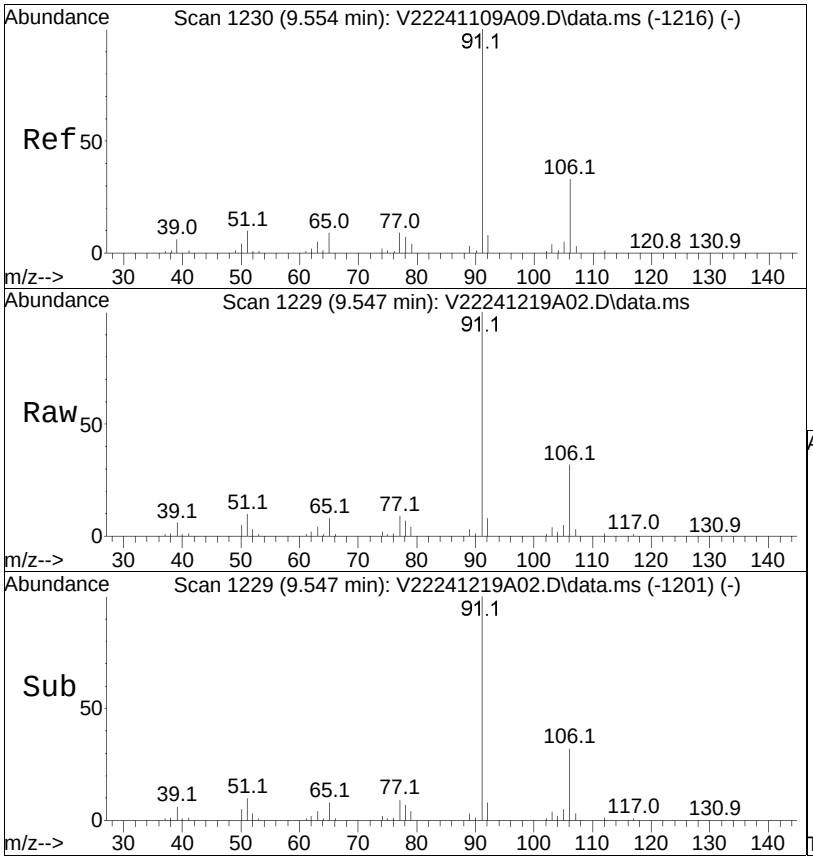


#77
Chlorobenzene
Concen: 10.35 ug/L
RT: 9.505 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:112 Resp: 216775

Ion	Ratio	Lower	Upper
112	100		
77	55.0	55.4	83.0#
114	32.5	26.2	39.4

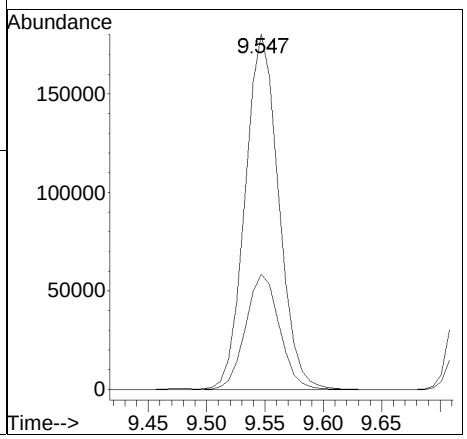


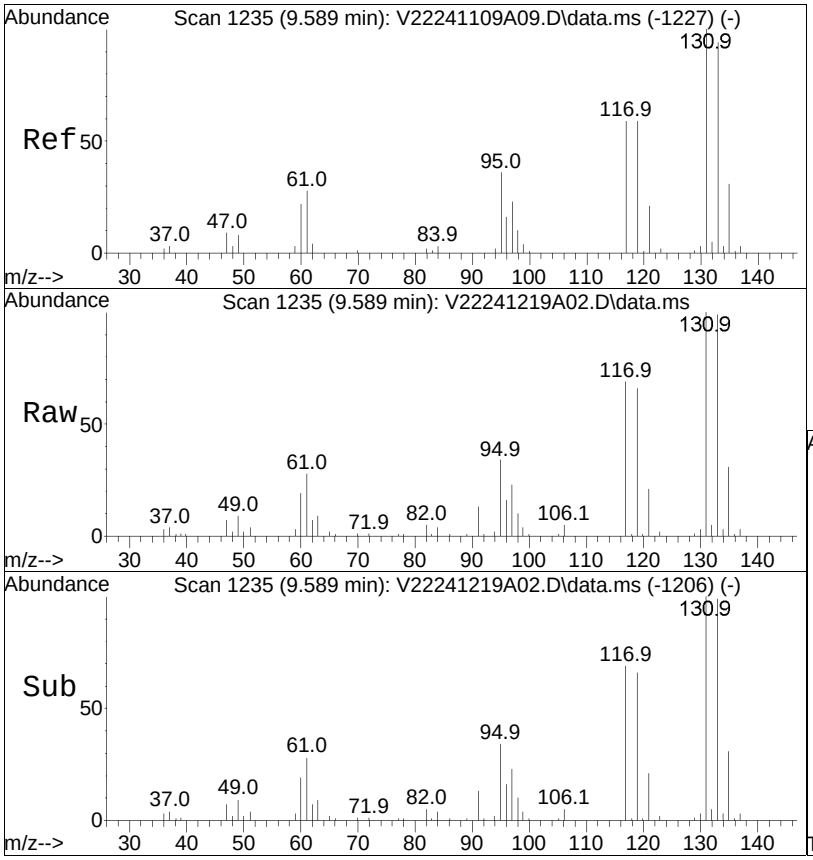


#78
Ethylbenzene
Concen: 9.99 ug/L
RT: 9.547 min Scan# 1229
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 91 Resp: 360132

Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.8	38.6

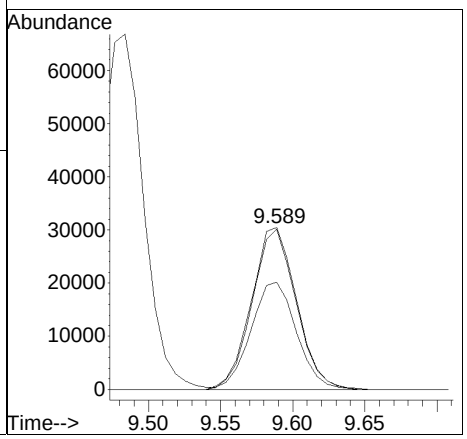


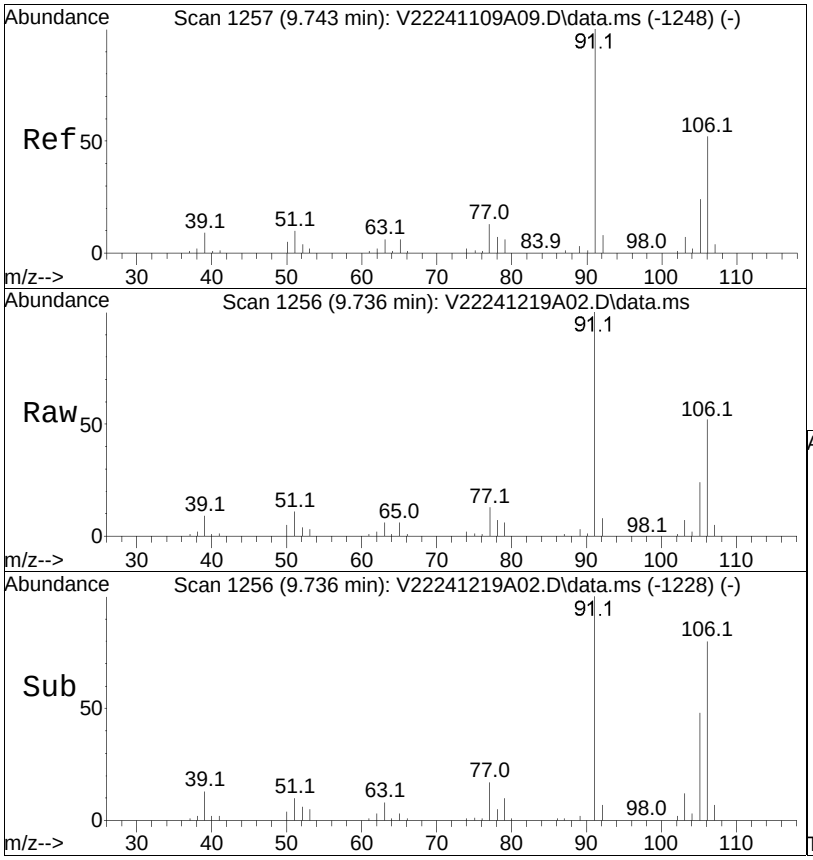


#79
1,1,1,2-Tetrachloroethane
Concen: 9.36 ug/L
RT: 9.589 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:131 Resp: 66422

Ion	Ratio	Lower	Upper
131	100		
133	96.0	75.3	115.3
119	66.7	49.3	89.3

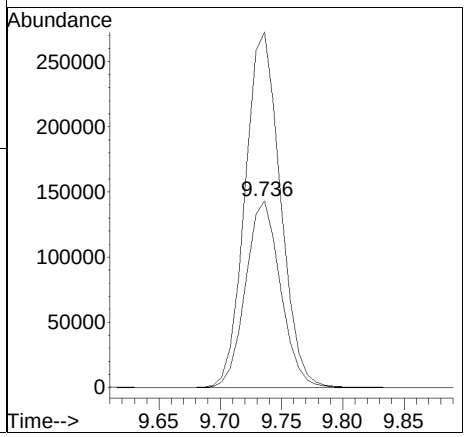


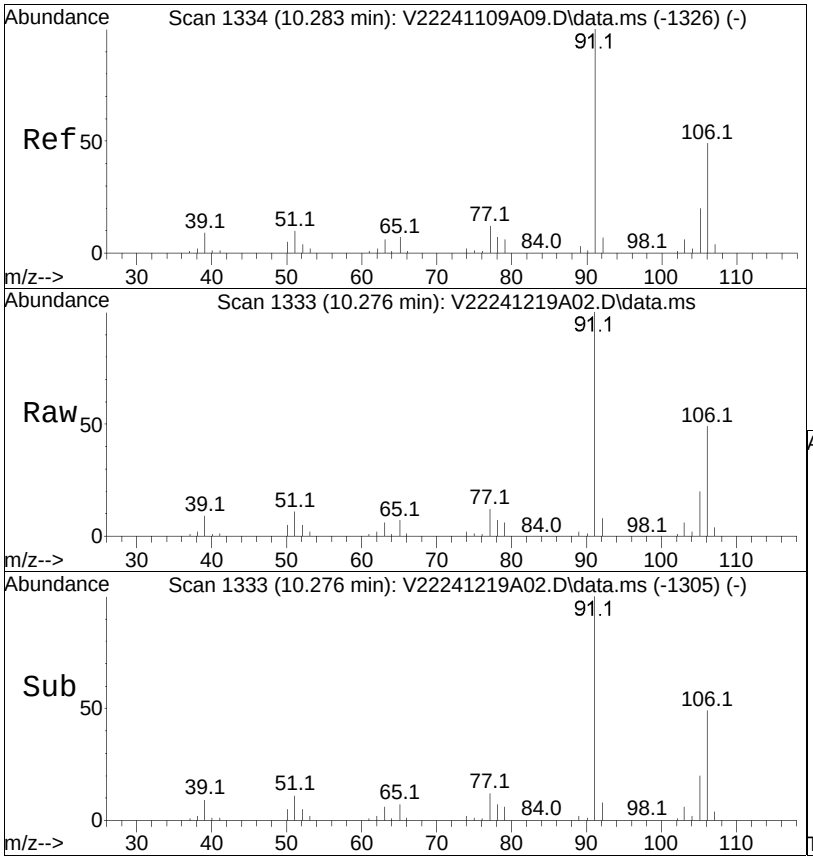


#80
p/m Xylene
Concen: 19.02 ug/L
RT: 9.736 min Scan# 1256
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:106 Resp: 282906

Ion	Ratio	Lower	Upper
106	100		
91	193.1	156.0	234.0

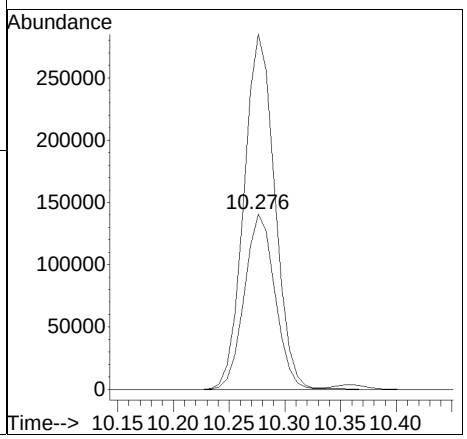


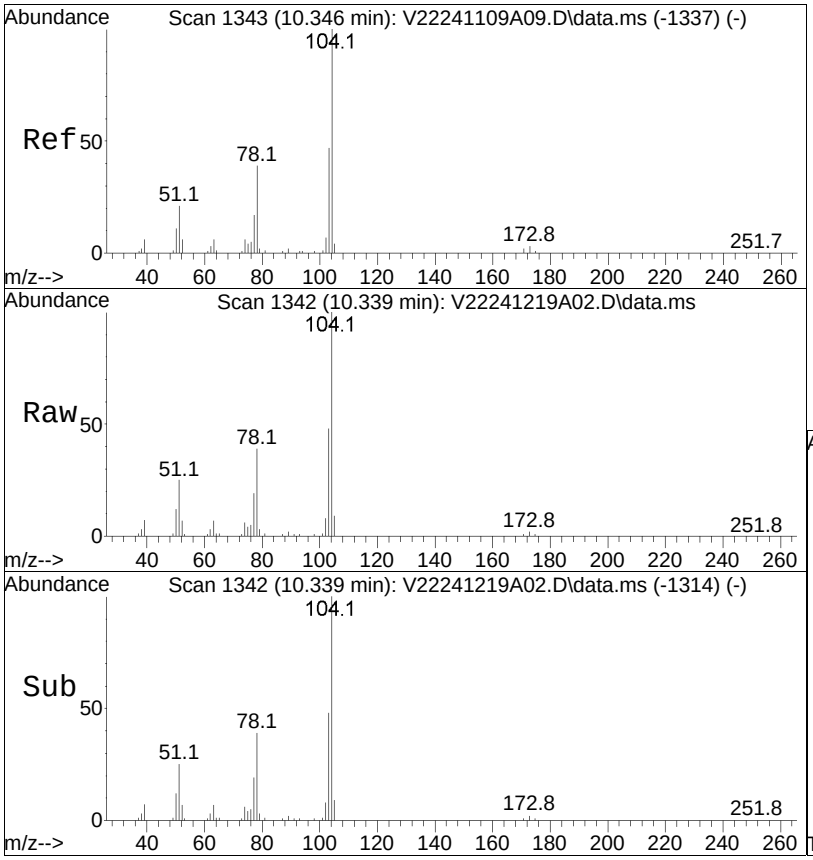


#81
o Xylene
Concen: 19.02 ug/L
RT: 10.276 min Scan# 1333
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:106 Resp: 269684

Ion	Ratio	Lower	Upper
106	100		
91	203.4	164.0	246.0

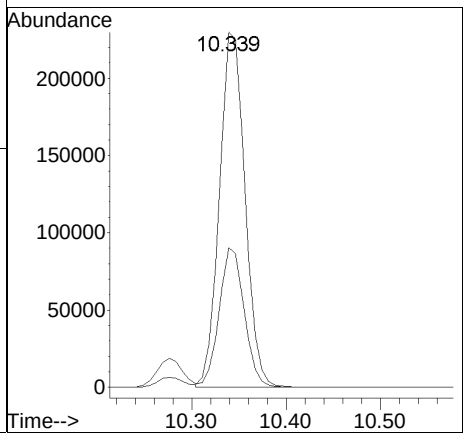


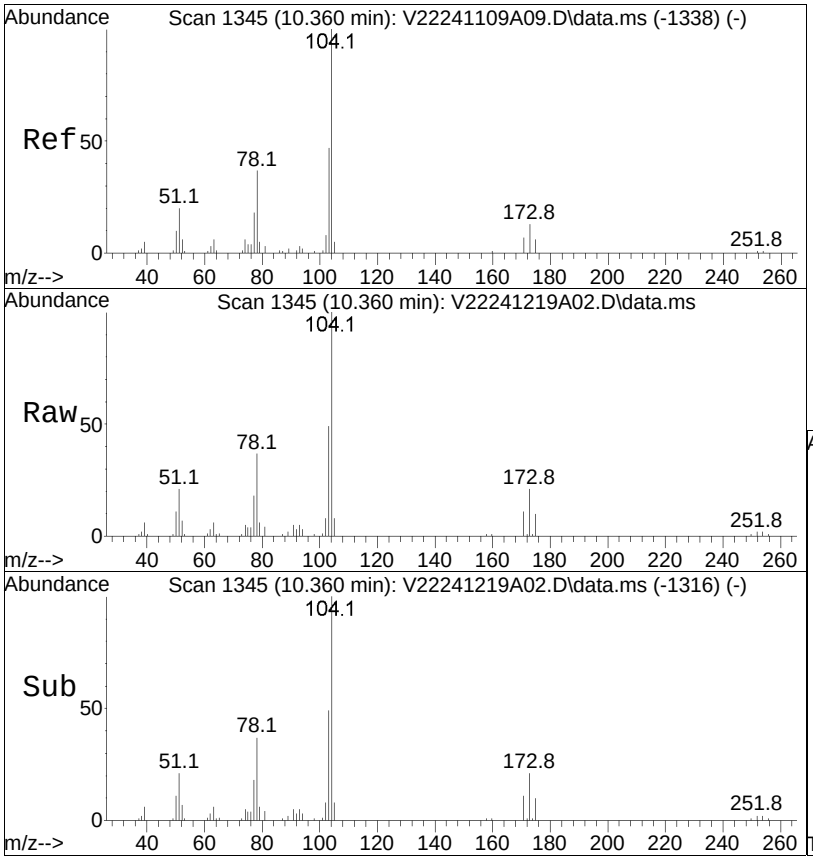


#82
Styrene
Concen: 19.01 ug/L
RT: 10.339 min Scan# 1342
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:104 Resp: 433422

Ion	Ratio	Lower	Upper
104	100		
78	38.6	32.1	48.1

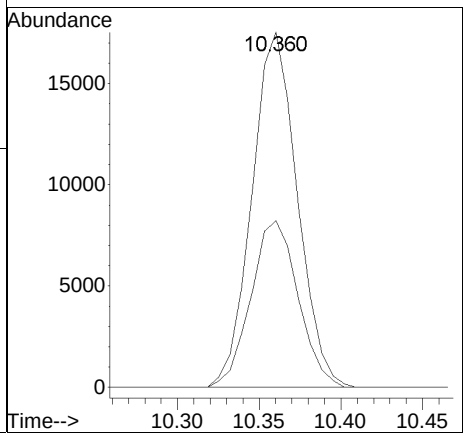


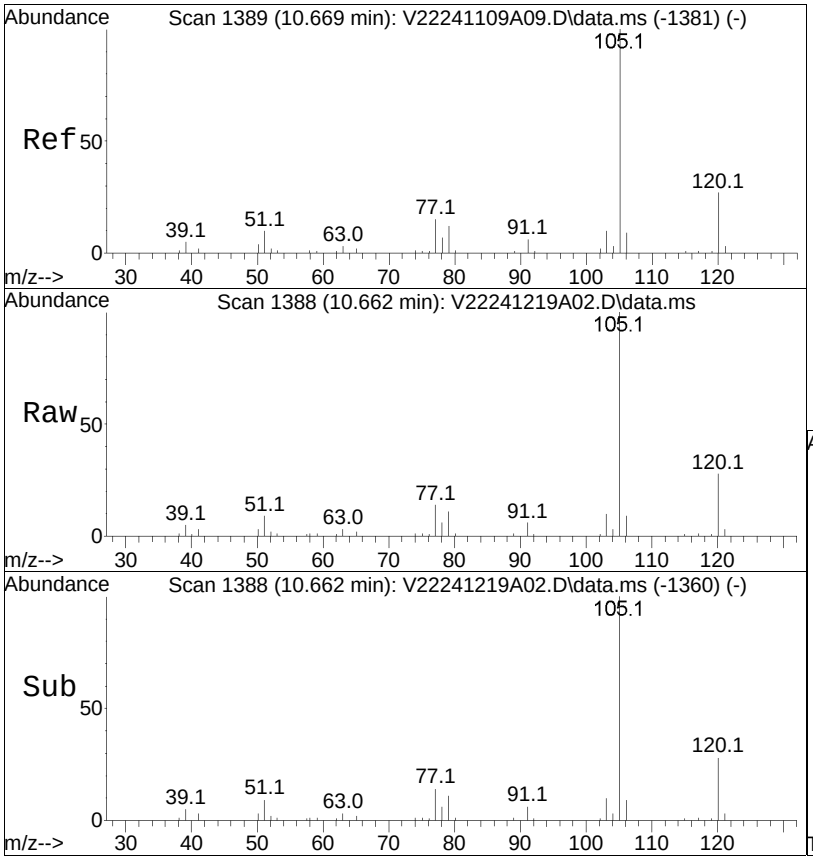


#84
Bromoform
Concen: 9.07 ug/L
RT: 10.360 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:173 Resp: 33848

Ion	Ratio	Lower	Upper
173	100		
175	48.8	29.3	69.3

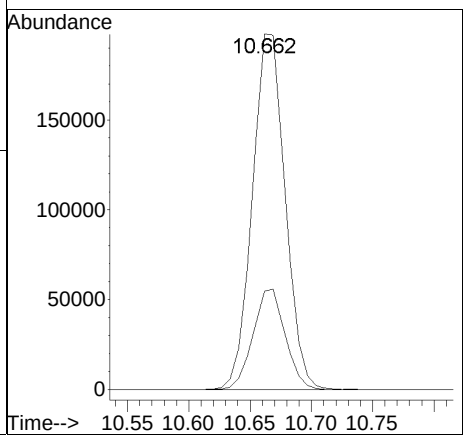


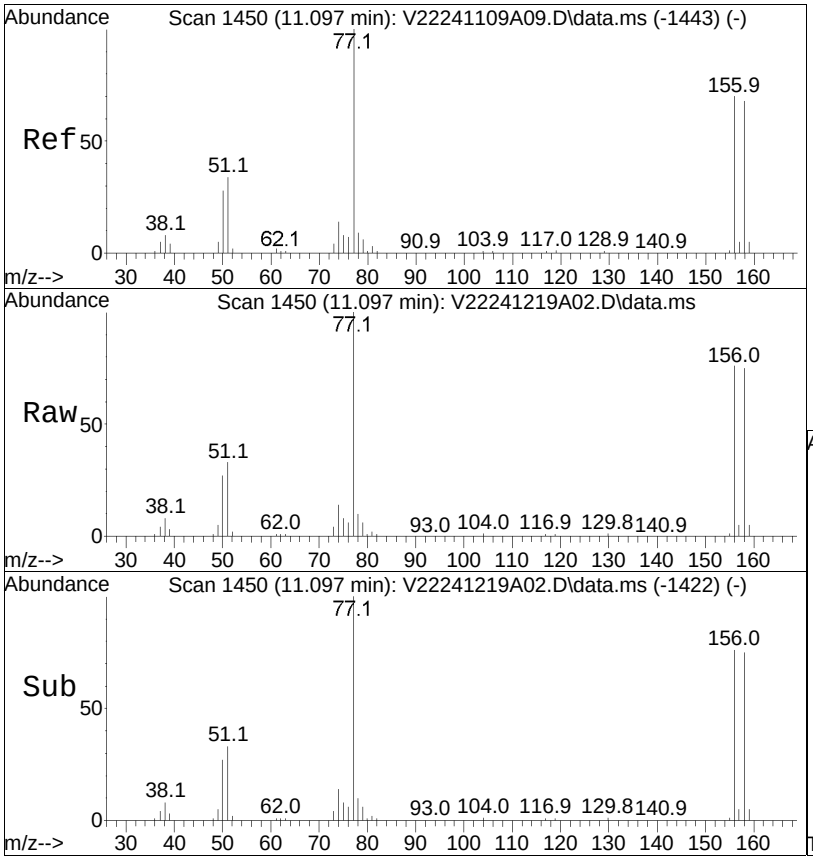


#86
Isopropylbenzene
Concen: 10.42 ug/L
RT: 10.662 min Scan# 1388
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:105 Resp: 367988

Ion	Ratio	Lower	Upper
105	100		
120	27.6	7.7	47.7

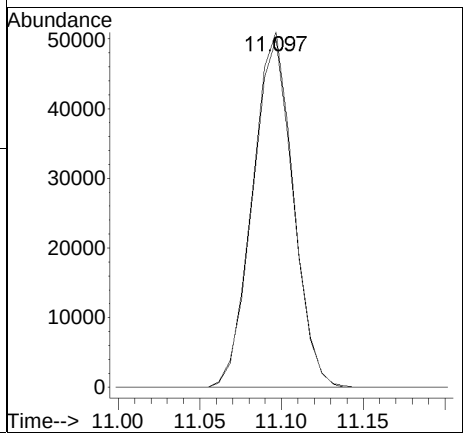


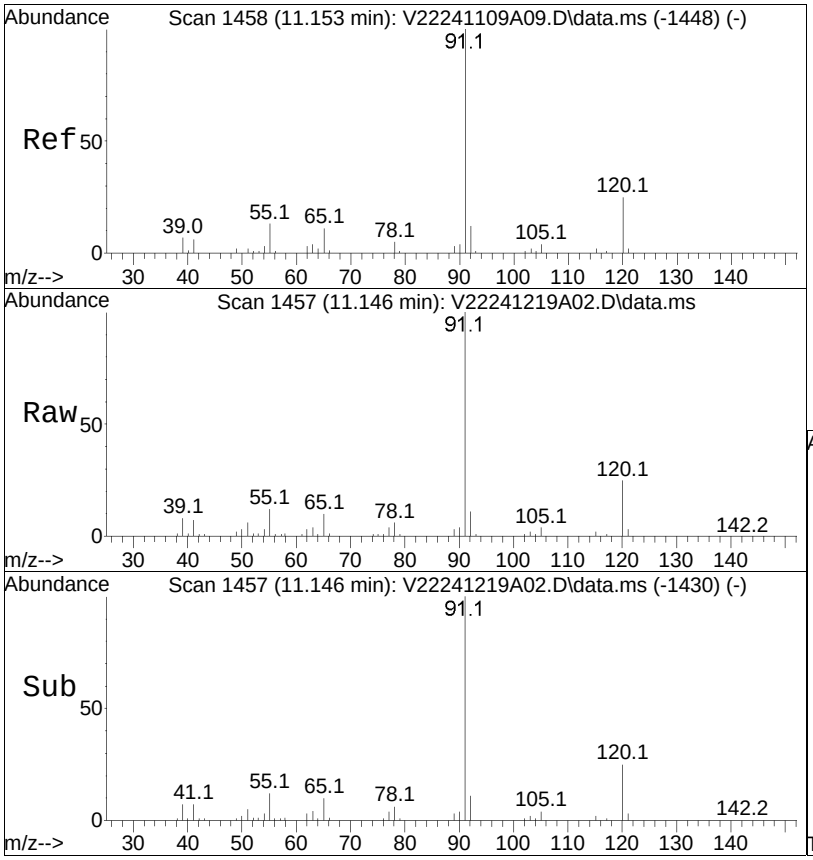


#88
Bromobenzene
Concen: 10.69 ug/L
RT: 11.097 min Scan# 1450
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:156 Resp: 88564

Ion	Ratio	Lower	Upper
156	100		
158	97.3	77.9	116.9

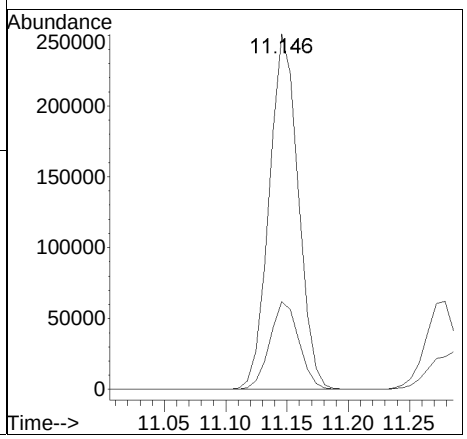


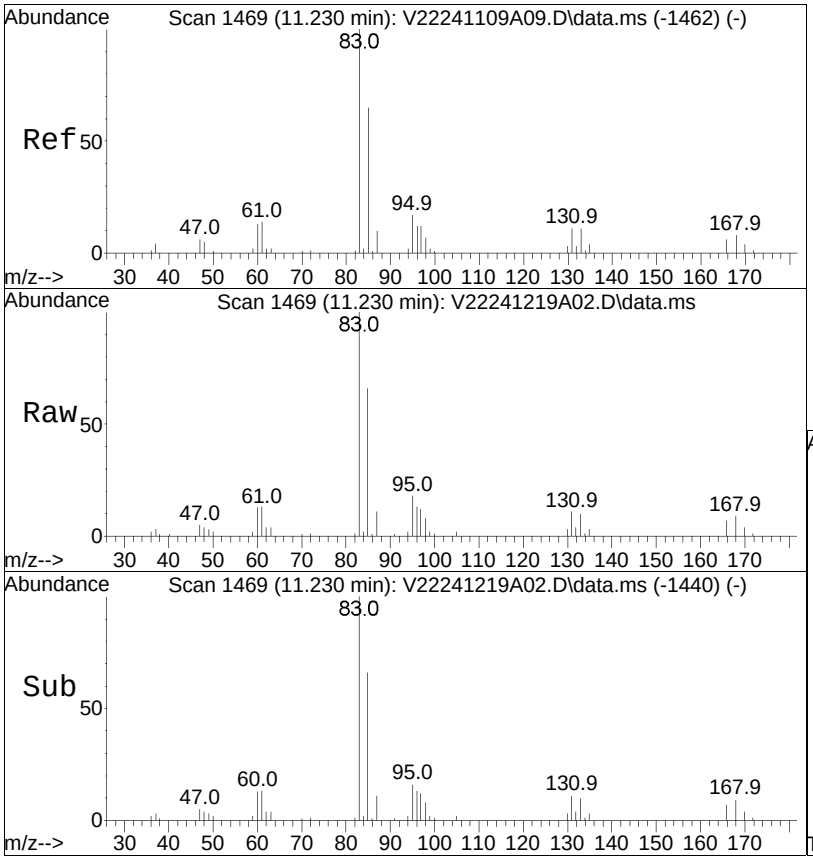


#89
n-Propylbenzene
Concen: 10.07 ug/L
RT: 11.146 min Scan# 1457
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 91 Resp: 413448

Ion	Ratio	Lower	Upper
91	100		
120	24.7	19.5	29.3

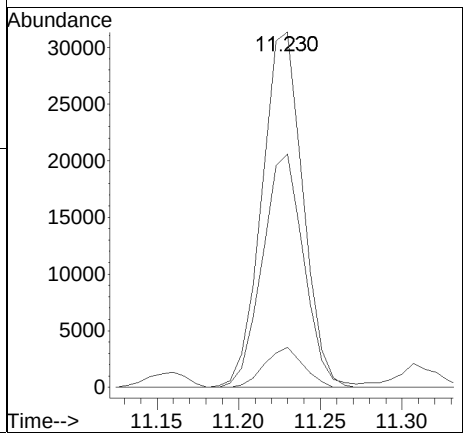


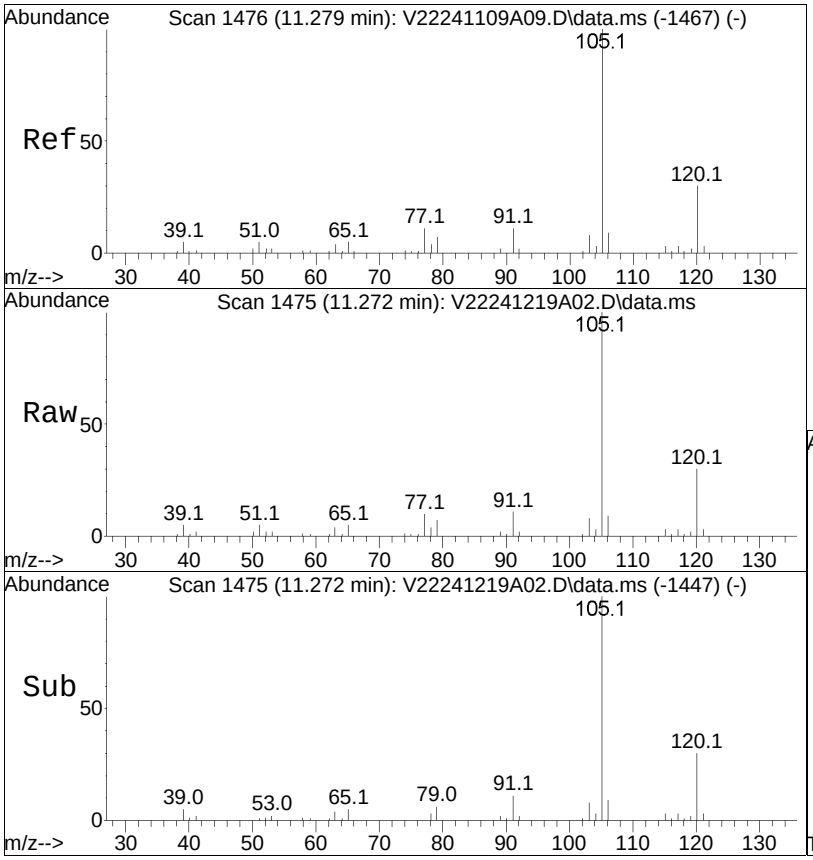


#91
1,1,2,2-Tetrachloroethane
Concen: 9.94 ug/L
RT: 11.230 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 83 Resp: 54649

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	30.8
85	66.5	45.4	85.4

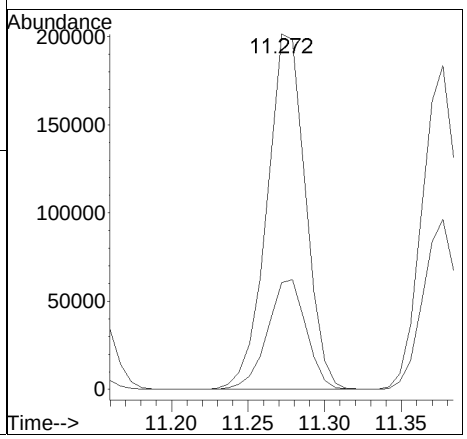


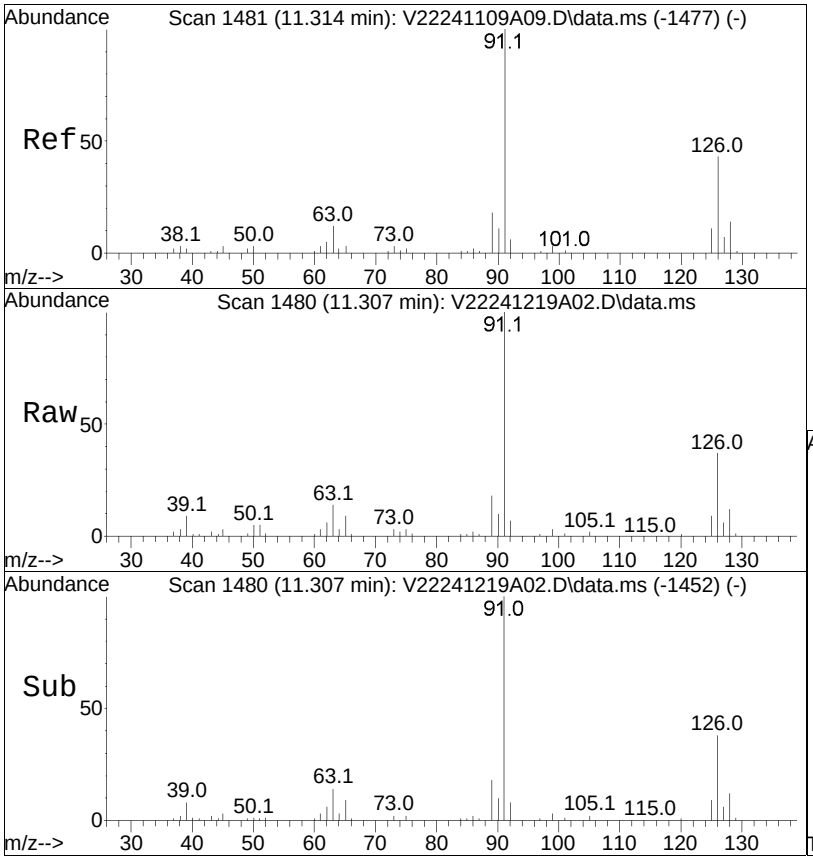


#92
4-Ethyltoluene
Concen: 10.23 ug/L
RT: 11.272 min Scan# 1475
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:105 Resp: 352531

Ion	Ratio	Lower	Upper
105	100		
120	31.0	19.8	41.0

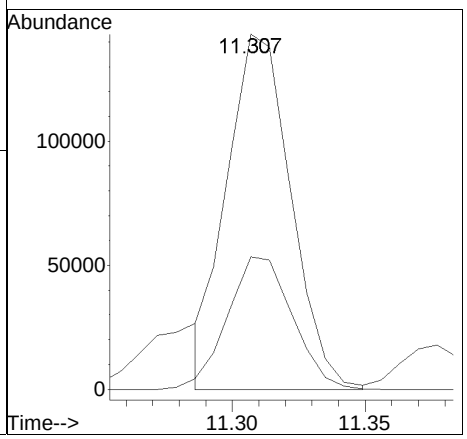


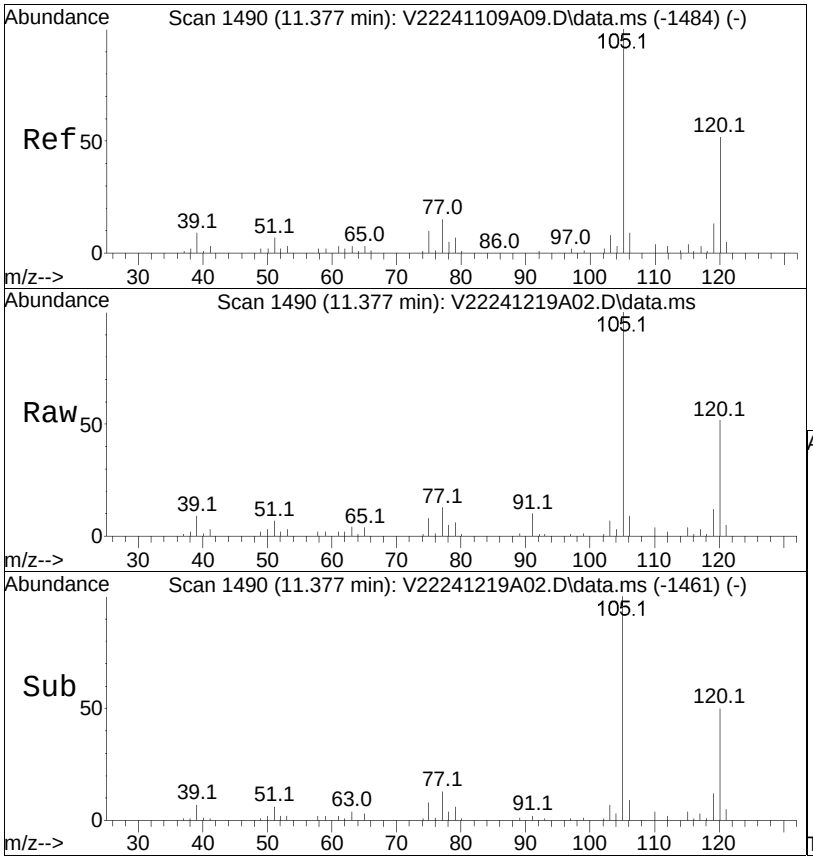


#93
2-Chlorotoluene
Concen: 10.29 ug/L M6
RT: 11.307 min Scan# 1480
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 91 Resp: 240348

Ion	Ratio	Lower	Upper
91	100		
126	37.9	24.6	37.0#

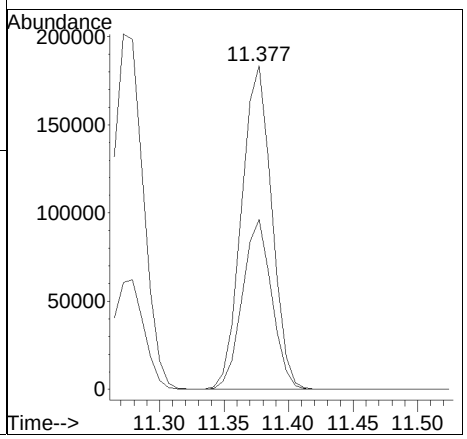


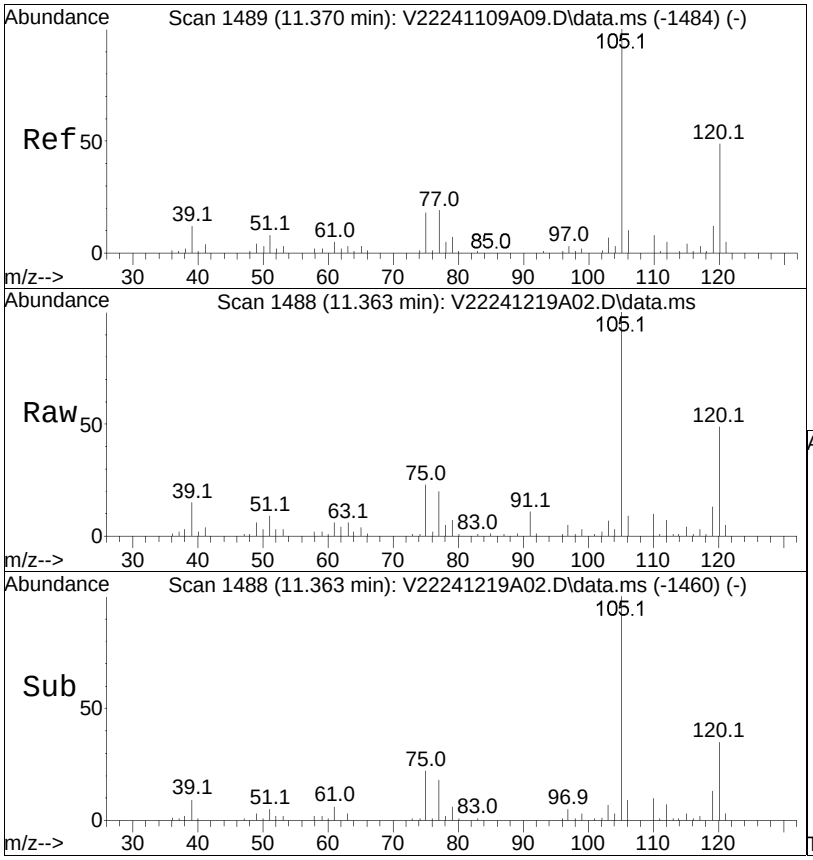


#94
1,3,5-Trimethylbenzene
Concen: 9.98 ug/L
RT: 11.377 min Scan# 1490
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:105 Resp: 299510

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.9	61.3

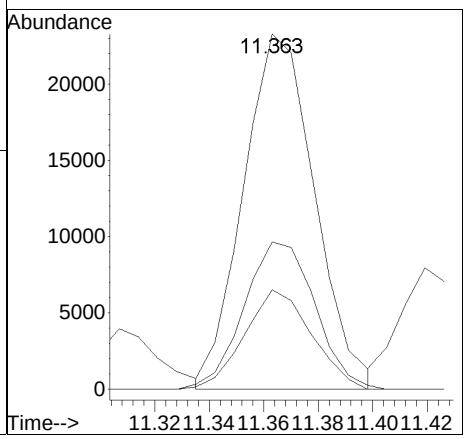


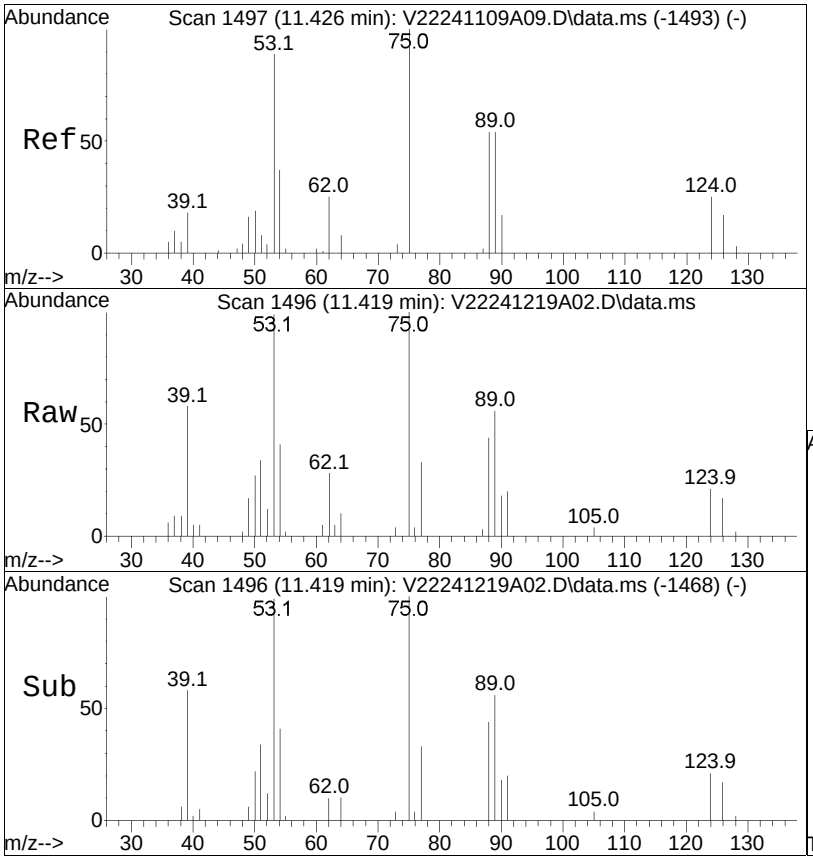


#95
1,2,3-Trichloropropane
Concen: 9.64 ug/L
RT: 11.363 min Scan# 1488
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 75 Resp: 42433

Ion	Ratio	Lower	Upper
75	100		
110	41.3	26.3	54.7
112	26.4	16.8	35.0

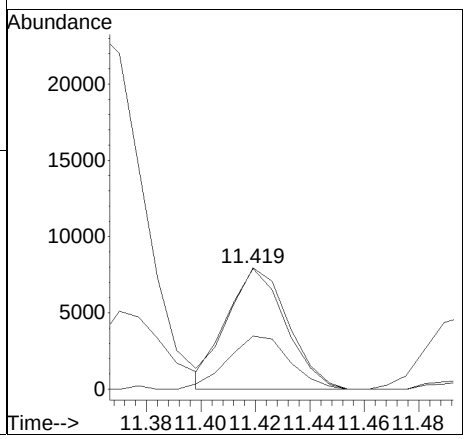


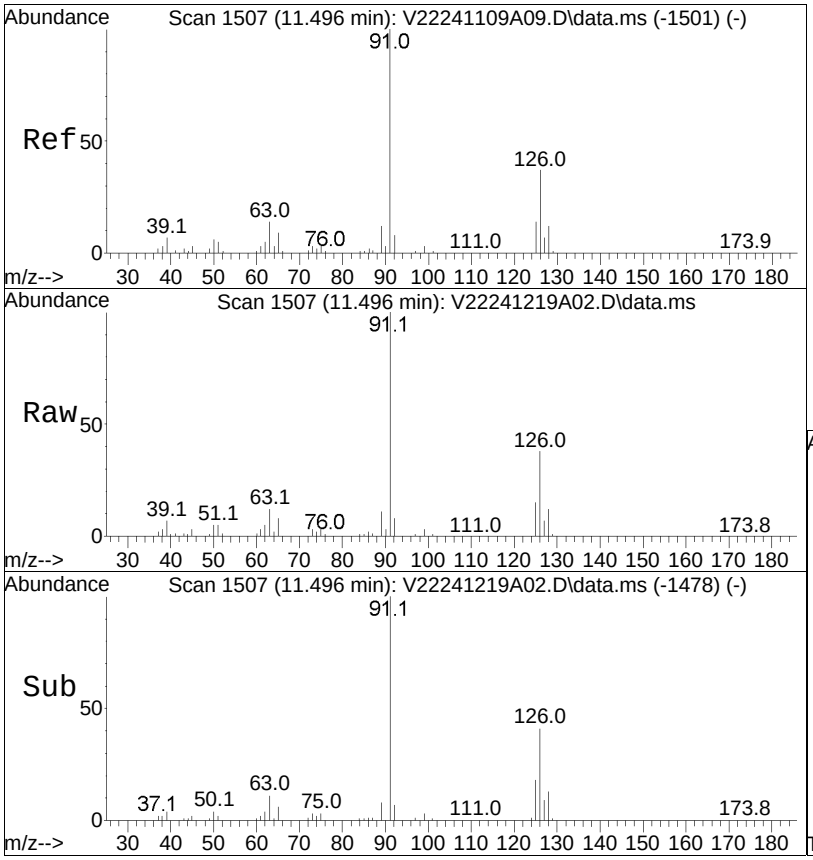


#96
trans-1,4-Dichloro-2-butene
Concen: 8.62 ug/L
RT: 11.419 min Scan# 1496
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 53 Resp: 11931

Ion	Ratio	Lower	Upper
53	100		
88	46.8	46.3	69.5
75	103.3	109.0	163.4#

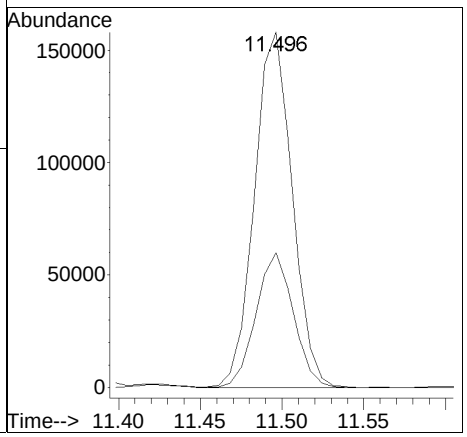


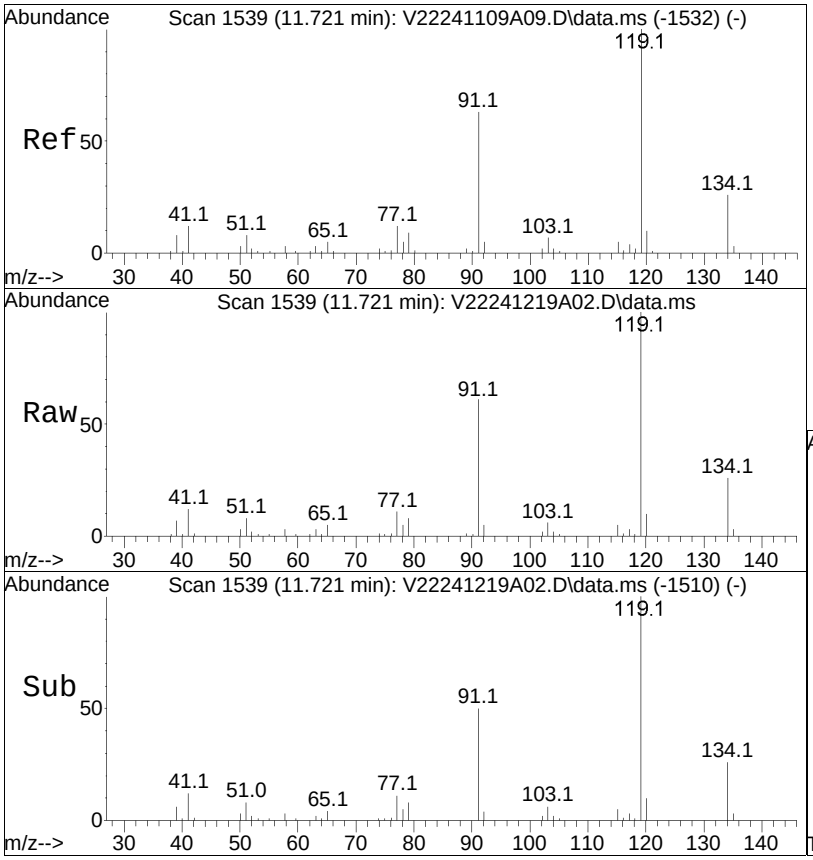


#97
4-Chlorotoluene
Concen: 10.43 ug/L
RT: 11.496 min Scan# 1507
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 91 Resp: 253925

Ion	Ratio	Lower	Upper
91	100		
126	37.4	28.5	42.7

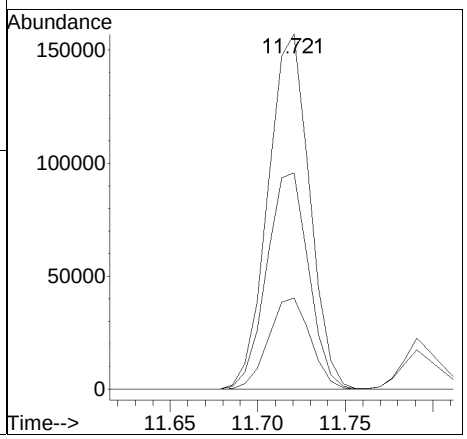


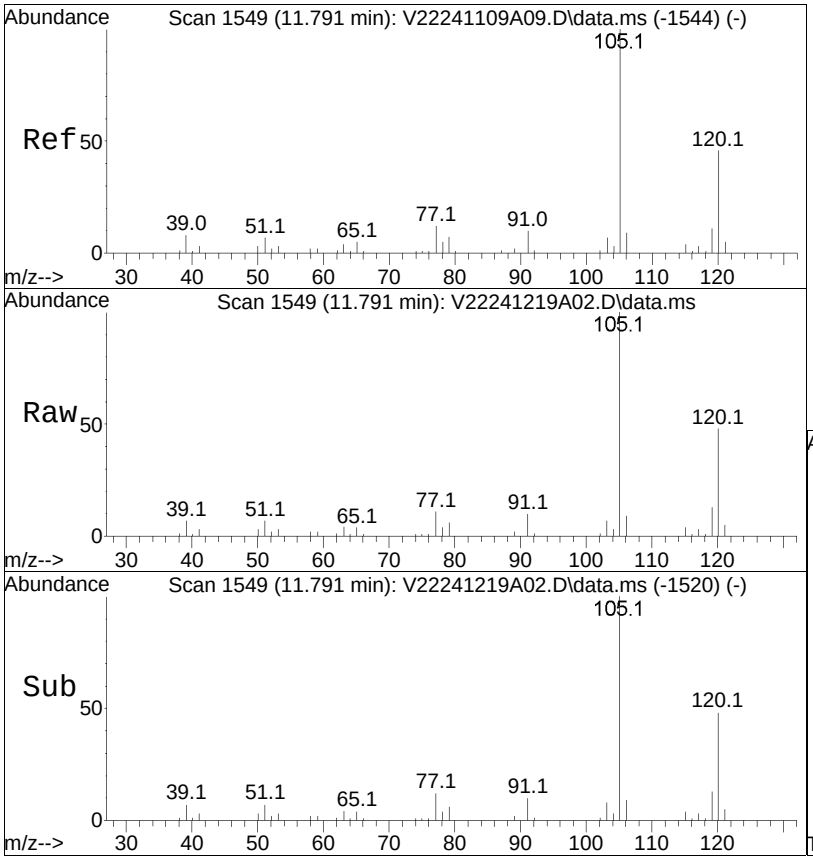


#98
tert-Butylbenzene
Concen: 10.07 ug/L
RT: 11.721 min Scan# 1539
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:119 Resp: 259929

Ion	Ratio	Lower	Upper
119	100		
91	61.7	50.2	75.4
134	25.9	20.8	31.2

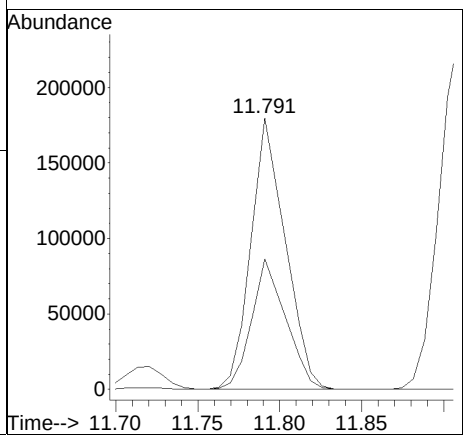


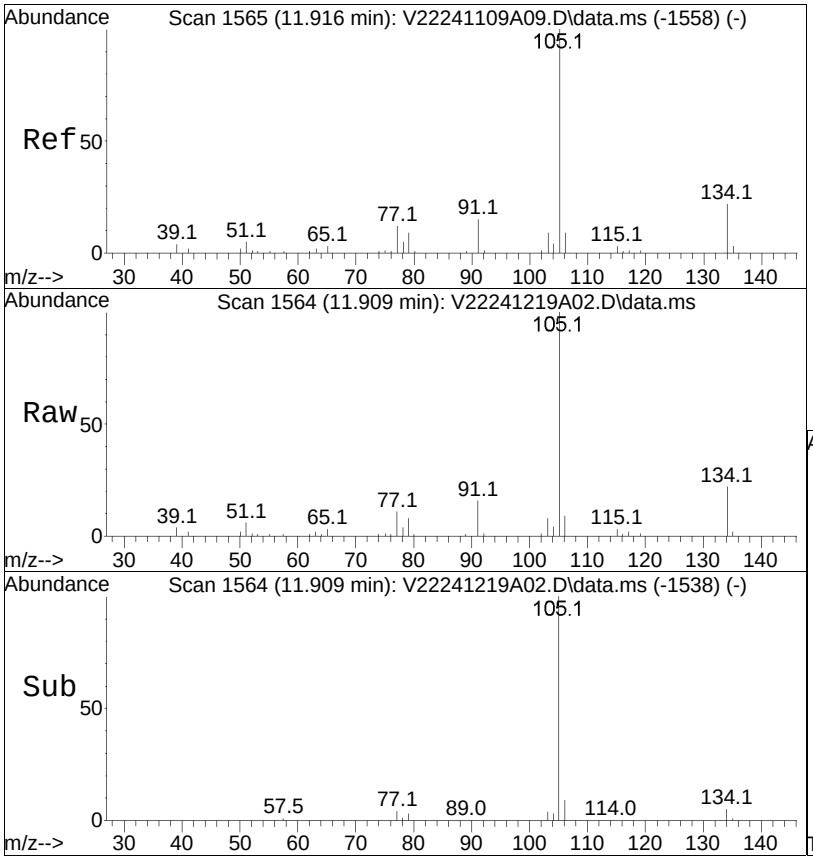


#101
1,2,4-Trimethylbenzene
Concen: 11.49 ug/L
RT: 11.791 min Scan# 1549
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:105 Resp: 195853

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.5	57.7

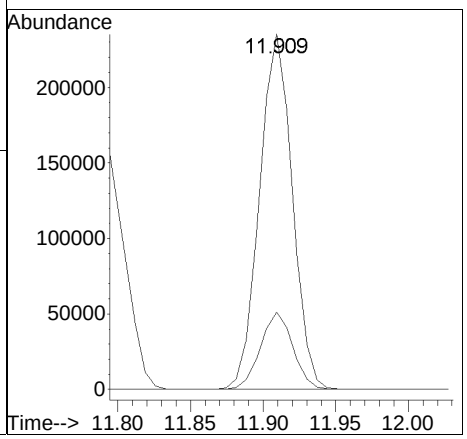


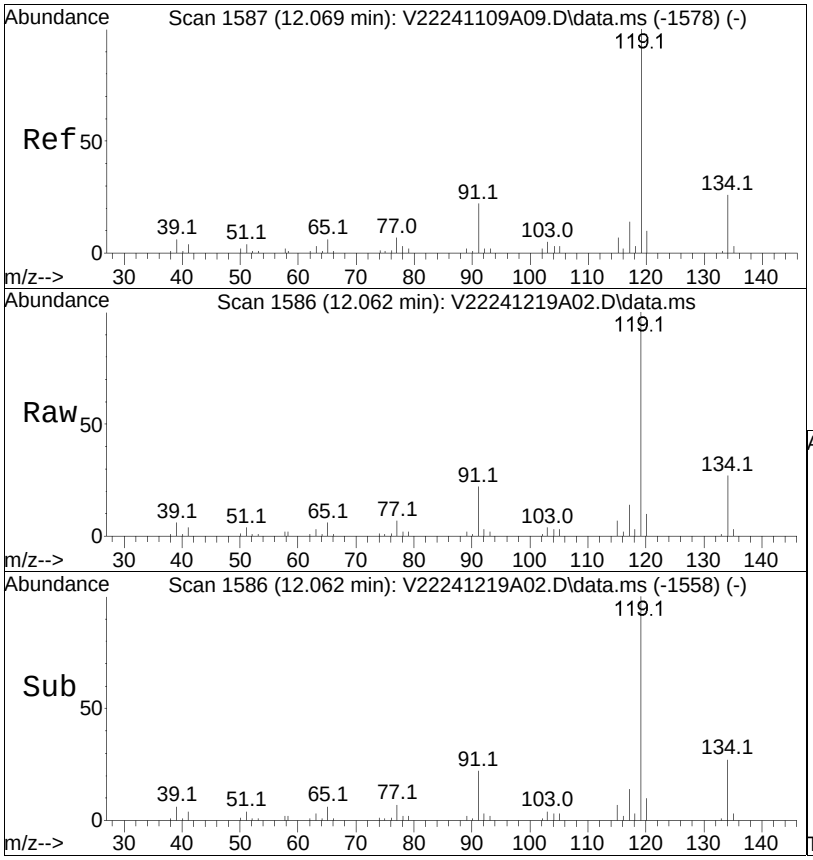


#102
sec-Butylbenzene
Concen: 10.12 ug/L
RT: 11.909 min Scan# 1564
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:105 Resp: 369471

Ion	Ratio	Lower	Upper
105	100		
134	21.4	13.9	28.9

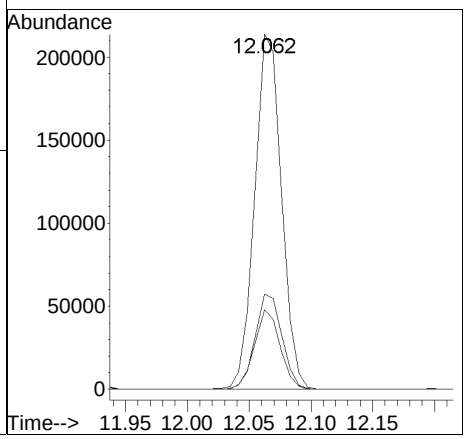


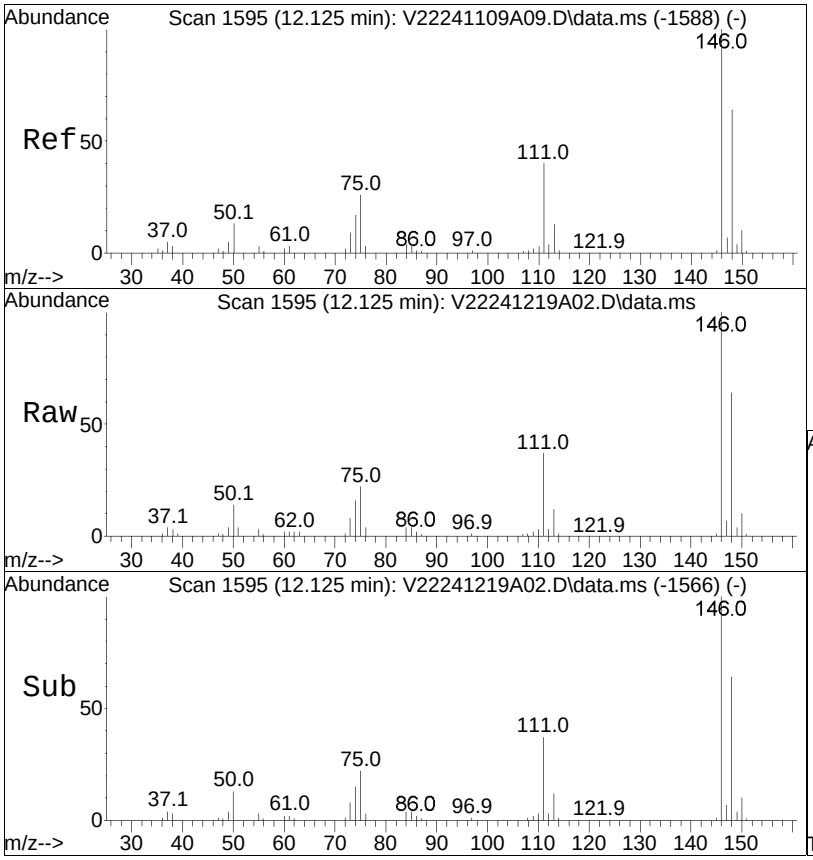


#103
p-Isopropyltoluene
Concen: 10.14 ug/L
RT: 12.062 min Scan# 1586
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:119 Resp: 323993

Ion	Ratio	Lower	Upper
119	100		
134	26.8	17.7	36.7
91	21.6	14.1	29.3

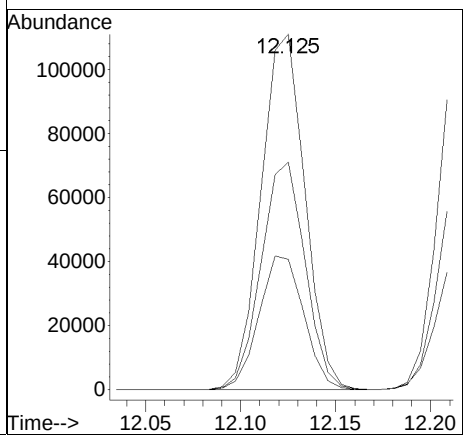


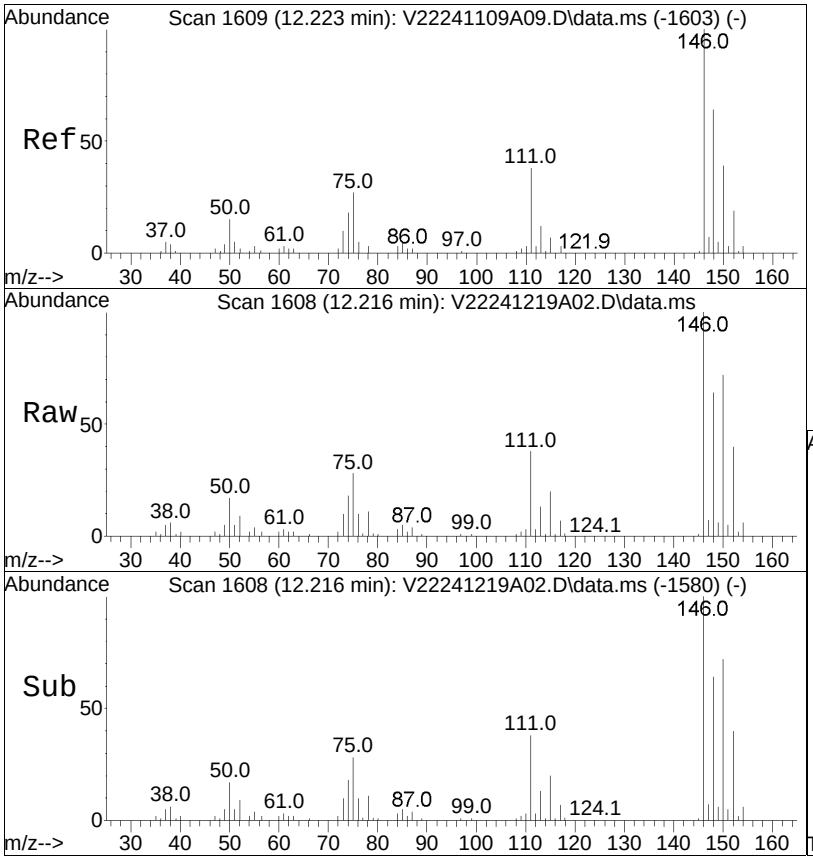


#104
1,3-Dichlorobenzene
Concen: 10.61 ug/L
RT: 12.125 min Scan# 1595
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:146 Resp: 178301

Ion	Ratio	Lower	Upper
146	100		
111	38.3	24.0	49.8
148	64.0	41.8	86.8

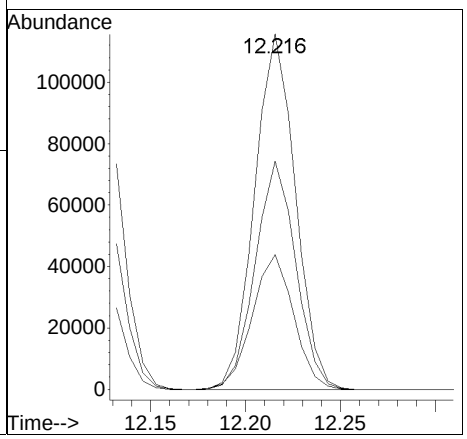


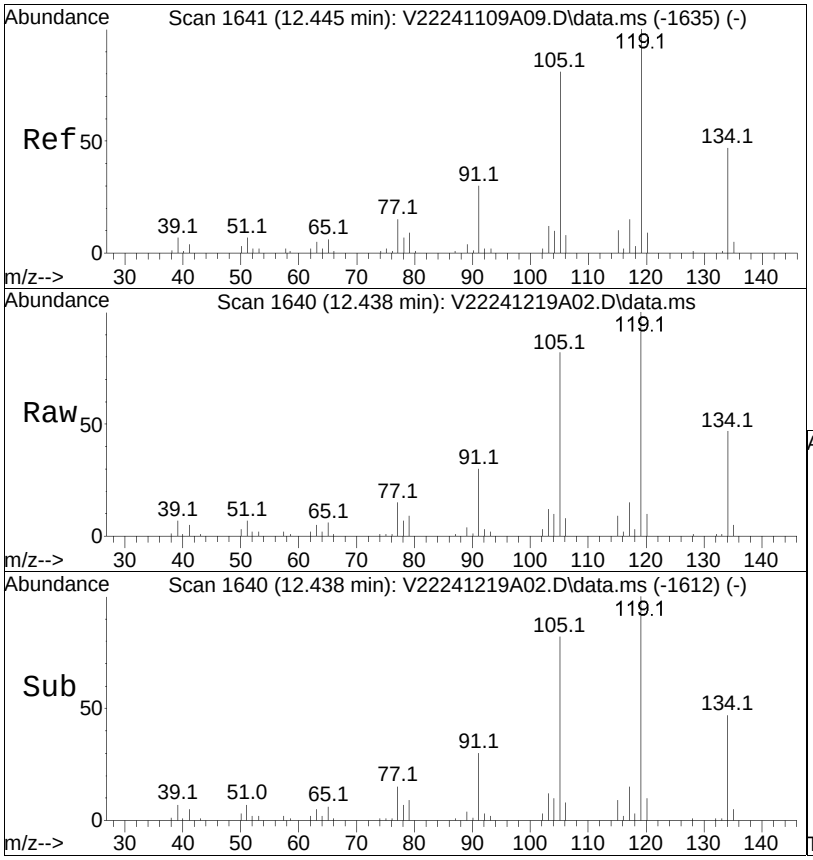


#105
1,4-Dichlorobenzene
Concen: 10.29 ug/L
RT: 12.216 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:146 Resp: 172876

Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.9	43.3
148	63.8	51.4	77.2

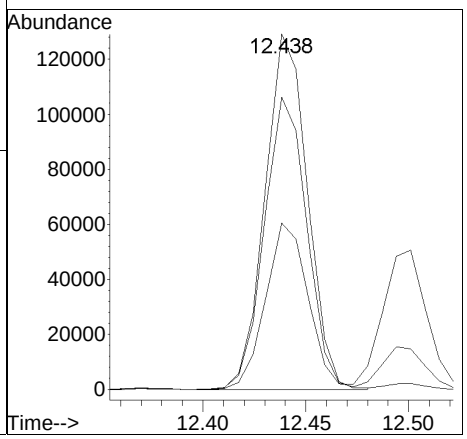


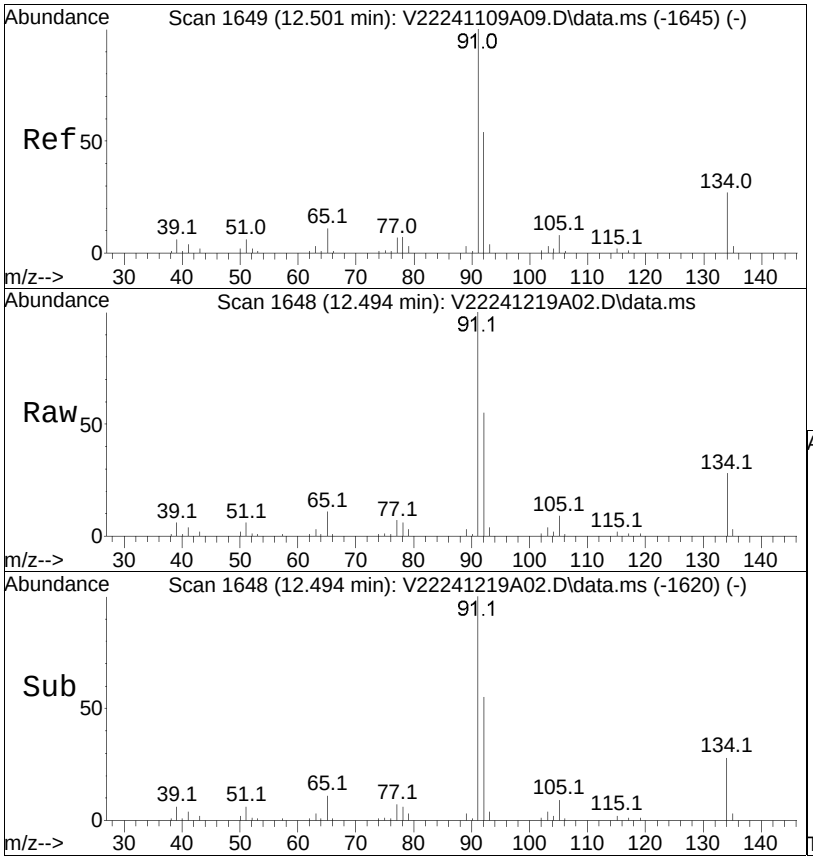


#106
p-Diethylbenzene
Concen: 10.03 ug/L
RT: 12.438 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:119 Resp: 185126

Ion	Ratio	Lower	Upper
119	100		
105	82.7	53.4	110.8
134	47.3	30.9	64.1

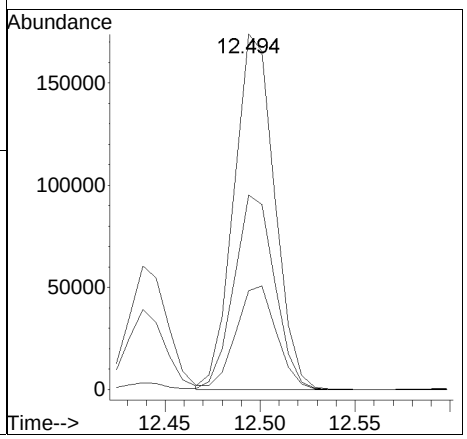


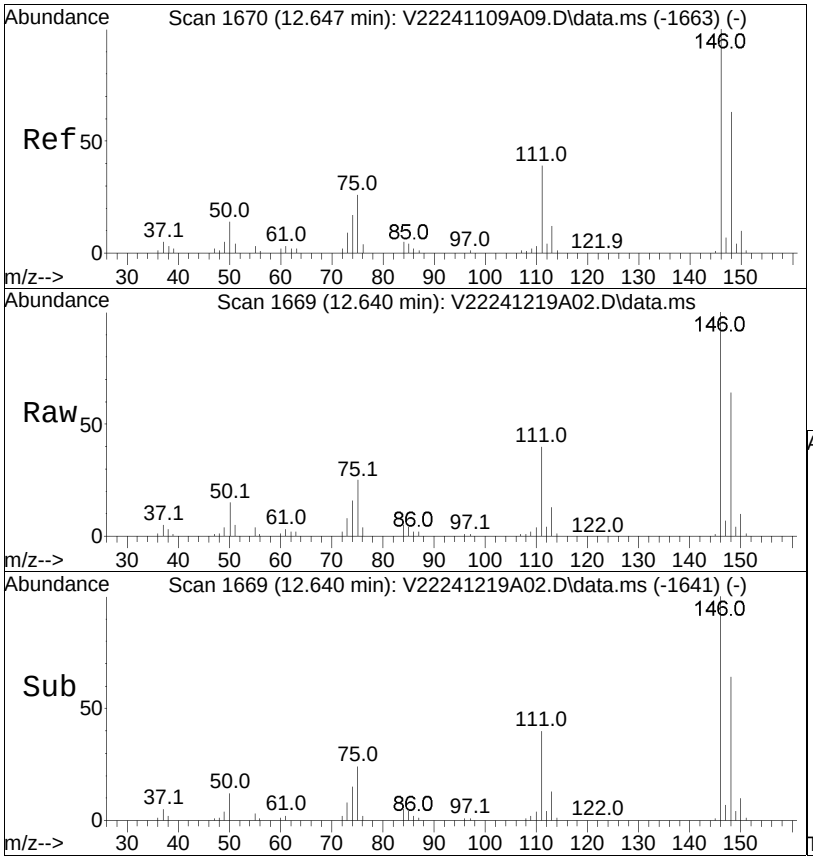


#107
n-Butylbenzene
Concen: 10.19 ug/L
RT: 12.494 min Scan# 1648
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion: 91 Resp: 258838

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.6	66.8
134	28.8	22.9	34.3

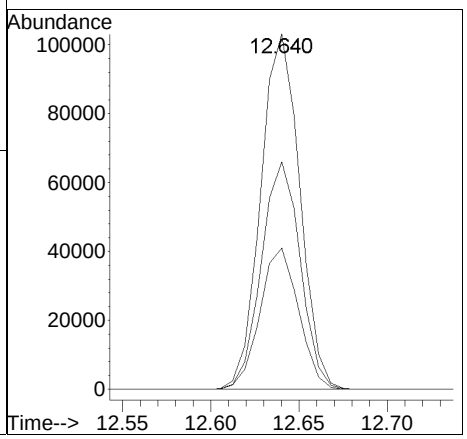


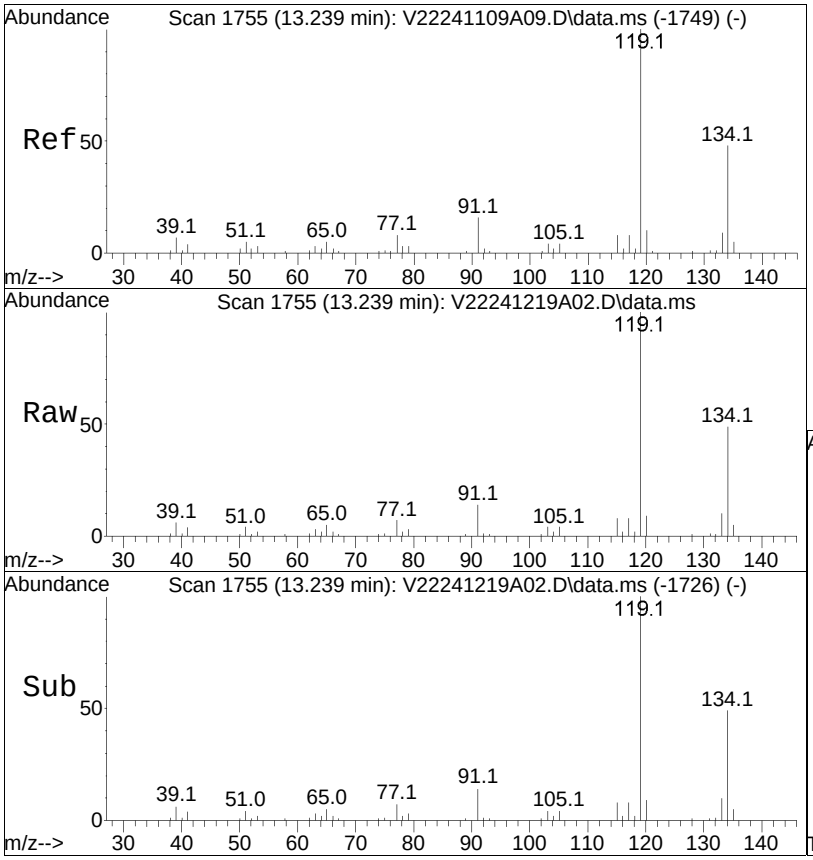


#108
1,2-Dichlorobenzene
Concen: 10.60 ug/L
RT: 12.640 min Scan# 1669
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:146 Resp: 158982

Ion	Ratio	Lower	Upper
146	100		
111	39.4	24.8	51.6
148	63.8	42.2	87.6

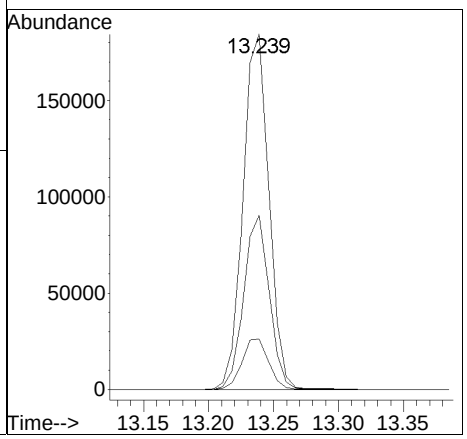


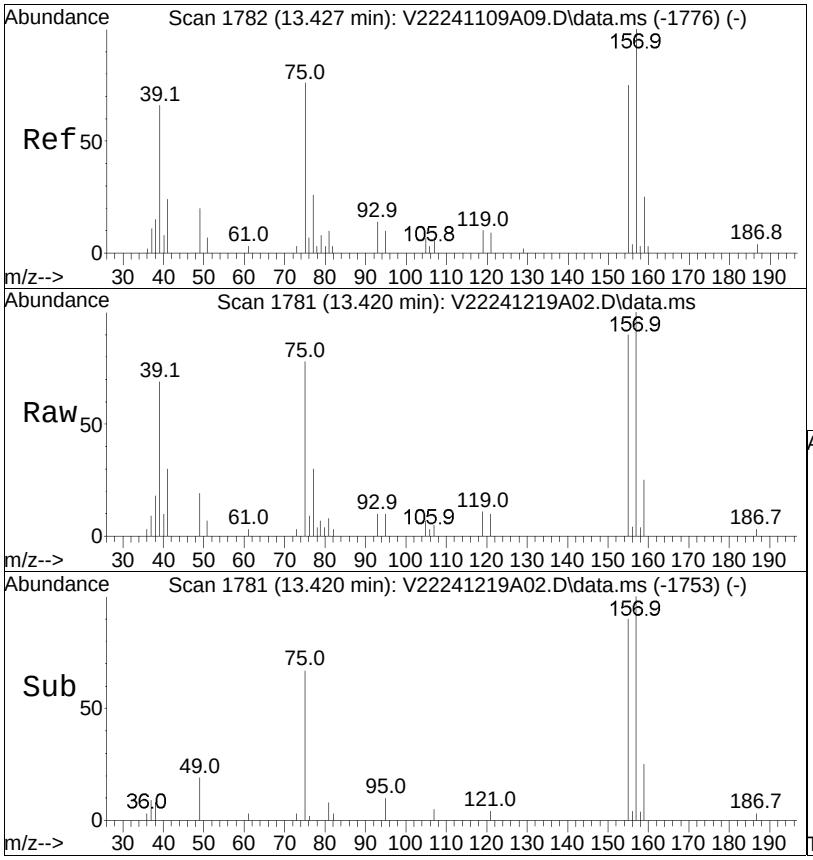


#109
1,2,4,5-Tetramethylbenzene
Concen: 10.15 ug/L
RT: 13.239 min Scan# 1755
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:119 Resp: 256038

Ion	Ratio	Lower	Upper
119	100		
134	48.3	31.9	66.1
91	14.6	9.8	20.3

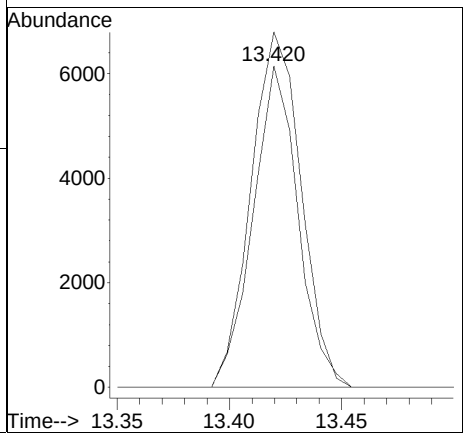


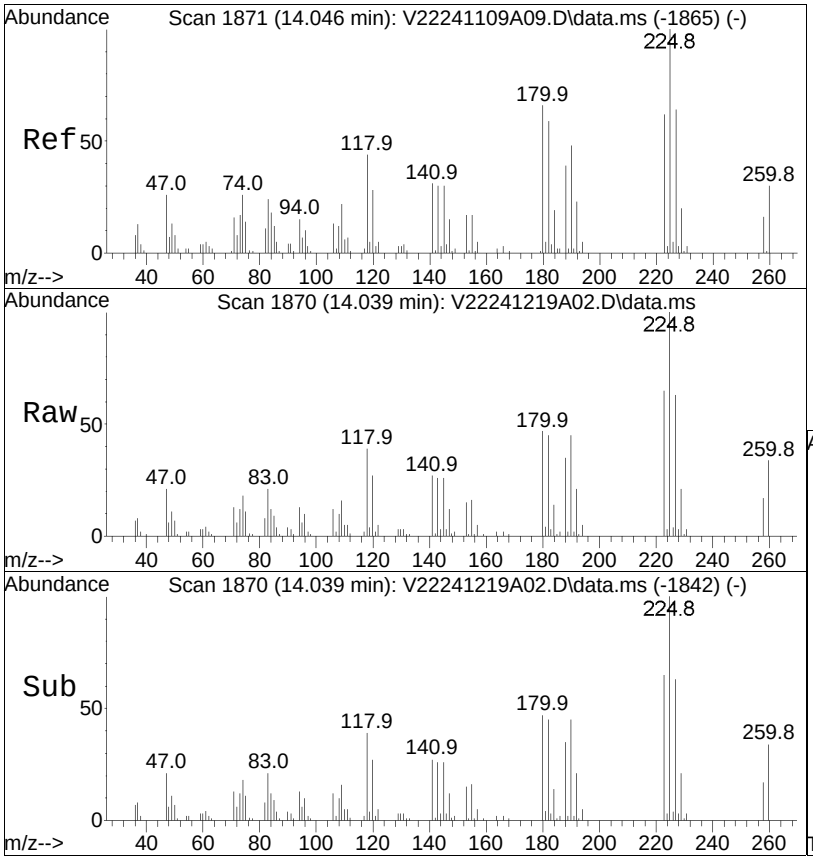


#110
1,2-Dibromo-3-chloropropane
Concen: 10.05 ug/L
RT: 13.420 min Scan# 1781
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:155 Resp: 8614

Ion	Ratio	Lower	Upper
155	100		
157	122.8	102.3	153.5

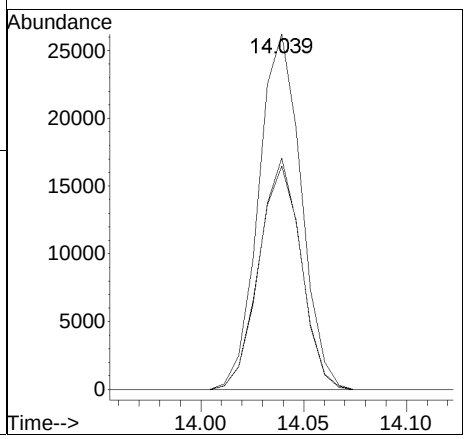


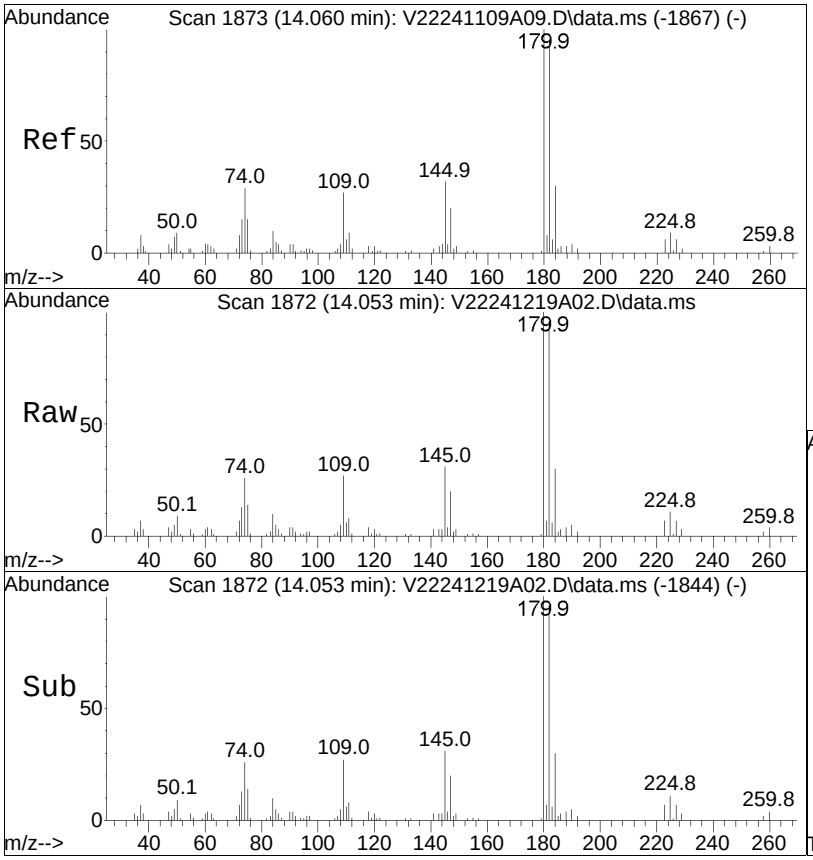


#112
Hexachlorobutadiene
Concen: 11.29 ug/L
RT: 14.039 min Scan# 1870
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:225 Resp: 37712

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.8	74.8
227	63.1	52.2	78.4

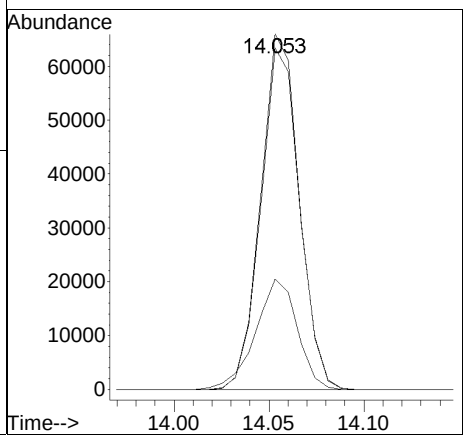


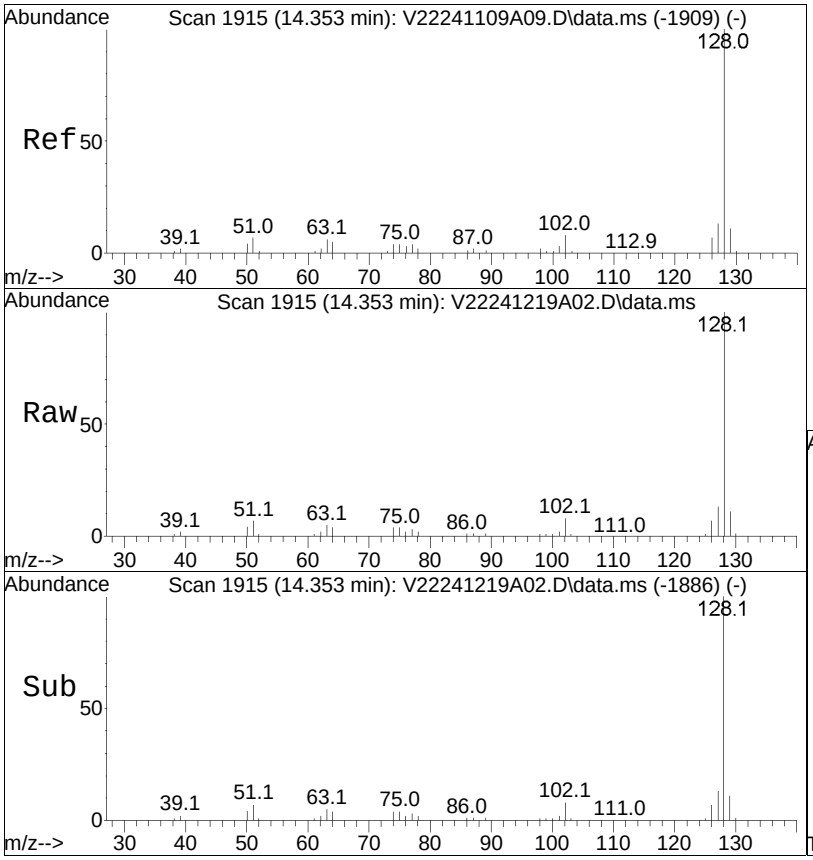


#113
1,2,4-Trichlorobenzene
Concen: 10.57 ug/L
RT: 14.053 min Scan# 1872
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:180 Resp: 92672

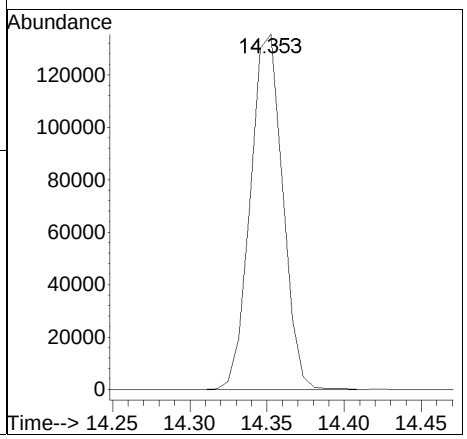
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
145	33.7	25.5	38.3

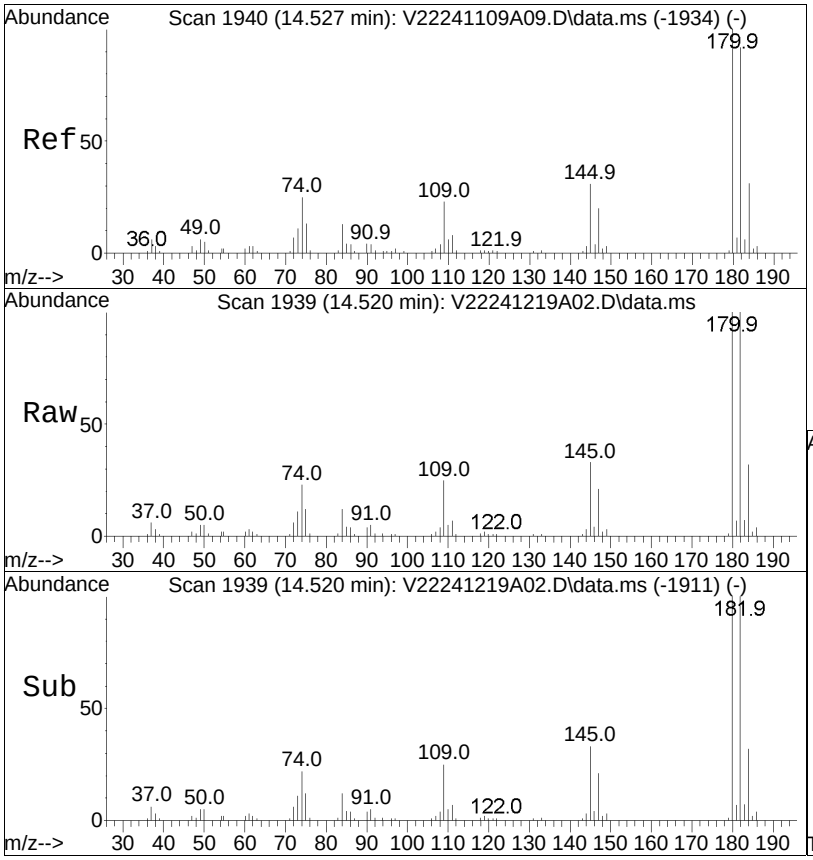




#114
Naphthalene
Concen: 10.12 ug/L
RT: 14.353 min Scan# 1915
Delta R.T. -0.000 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:128 Resp: 197263

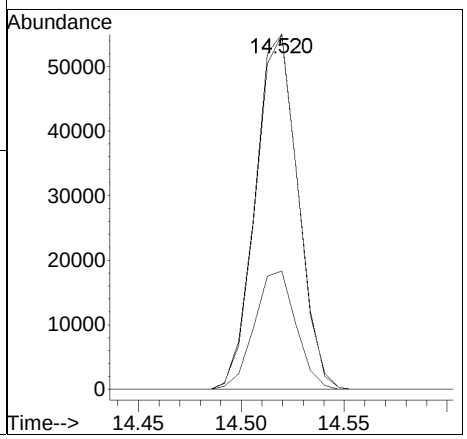




#115
1,2,3-Trichlorobenzene
Concen: 10.66 ug/L
RT: 14.520 min Scan# 1939
Delta R.T. -0.007 min
Lab File: V22241219A02.D
Acq: 19 Dec 2024 08:03 am

Tgt Ion:180 Resp: 79338

Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.0	114.0
145	32.5	23.8	35.8

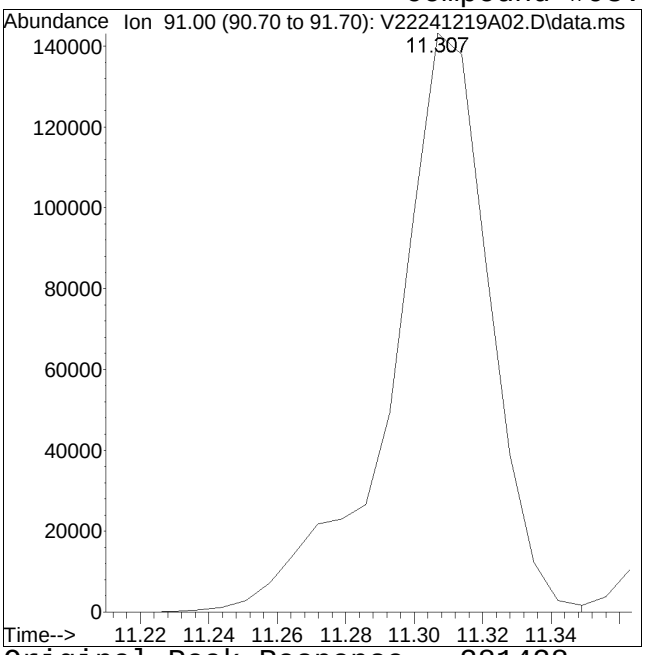


Manual Integration Report

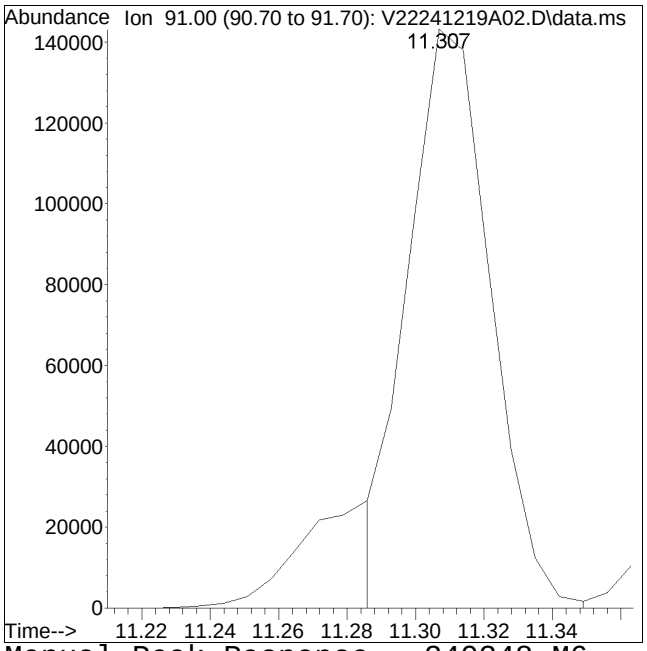
Data Path : K:\VOA122\2024\241219A\
Data File : V22241219A02.D
Date Inj'd : 12/19/2024 8:03 am
Sample : WG2011630-4,31,10,10

QMethod : V122_241109A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/19/2024 8:32 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 281428



Manual Peak Response = 240348 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N02.D
Acq On : 18 Dec 2024 07:41 pm
Operator : VOA122:LAC
Sample : WG2011243-4,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 20:04:07 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	394402	10.000	ug/L	0.00
Standard Area 1 = 358970			Recovery = 109.87%			
62) Chlorobenzene-d5	9.484	117	324792	10.000	ug/L	0.00
Standard Area 1 = 300527			Recovery = 108.07%			
83) 1,4-Dichlorobenzene-d4	12.202	152	175941	10.000	ug/L	0.00
Standard Area 1 = 166973			Recovery = 105.37%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	140939	10.470	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.70%			
46) 1,2-Dichloroethane-d4	5.649	65	82828	9.957	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.57%			
63) Toluene-d8	7.640	98	402305	9.824	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.24%			
87) 4-Bromofluorobenzene	10.984	95	141588	9.858	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.612	85	60786	7.463	ug/L	97
3) Chloromethane	1.795	50	66845	9.590	ug/L	98
4) Vinyl chloride	1.867	62	65879	7.087	ug/L	100
5) Bromomethane	2.175	94	18062	2.689	ug/L	96
6) Chloroethane	2.287	64	38230	6.001	ug/L	98
7) Trichlorofluoromethane	2.431	101	102705	9.655	ug/L	99
8) Ethyl ether	2.719	74	21103	9.012	ug/L #	1
10) 1,1-Dichloroethene	2.909	96	55250	9.844	ug/L	93
11) Carbon disulfide	2.942	76	168843	9.896	ug/L	100
15) Methylene chloride	3.453	84	64089	9.717	ug/L	78
17) Acetone	3.493	43	9291	9.783	ug/L	95
18) trans-1,2-Dichloroethene	3.604	96	62418	10.131	ug/L	97
21) Methyl tert-butyl ether	3.703	73	92130	8.525	ug/L #	84
25) 1,1-Dichloroethane	4.181	63	106404	9.538	ug/L	98
27) Acrylonitrile	4.220	53	11333	9.998	ug/L	91
29) Vinyl acetate	4.410	43	89943	9.306	ug/L #	90
30) cis-1,2-Dichloroethene	4.699	96	68293	10.015	ug/L	94
31) 2,2-Dichloropropane	4.797	77	80013	9.706	ug/L #	78
32) Bromochloromethane	4.889	128	34319	10.013	ug/L	89
34) Chloroform	4.954	83	106823	9.577	ug/L	95

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N02.D
Acq On : 18 Dec 2024 07:41 pm
Operator : VOA122:LAC
Sample : WG2011243-4,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 20:04:07 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.099	117	93032	10.312	ug/L		98
39) 1,1,1-Trichloroethane	5.164	97	100474	9.880	ug/L		98
41) 2-Butanone	5.249	43	15423	11.432	ug/L	#	45
42) 1,1-Dichloropropene	5.282	75	77433	9.419	ug/L		98
44) Benzene	5.525	78	222872	9.184	ug/L		95
47) 1,2-Dichloroethane	5.728	62	55686	9.447	ug/L		99
51) Trichloroethene	6.121	95	53186	9.418	ug/L		99
53) Dibromomethane	6.556	93	29381	9.773	ug/L	#	85
54) 1,2-Dichloropropane	6.660	63	46525	9.539	ug/L		98
57) Bromodichloromethane	6.737	83	63946	9.440	ug/L		97
60) 1,4-Dioxane	6.945	88	10808	460.191	ug/L	#	79
61) cis-1,3-Dichloropropene	7.425	75	63633	9.022	ug/L	#	88
64) Toluene	7.696	92	128465	9.535	ug/L		100
65) 4-Methyl-2-pentanone	8.127	58	6635	7.159	ug/L	#	63
66) Tetrachloroethene	8.140	166	61948	10.033	ug/L		96
68) trans-1,3-Dichloropropene	8.175	75	50616	8.229	ug/L		87
71) 1,1,2-Trichloroethane	8.363	83	27337	8.696	ug/L		98
72) Chlorodibromomethane	8.572	129	44932	8.681	ug/L		98
73) 1,3-Dichloropropane	8.684	76	55869	8.623	ug/L		100
74) 1,2-Dibromoethane	8.845	107	34142	8.829	ug/L		99
76) 2-Hexanone	9.133	43	12671	8.406	ug/L	#	83
77) Chlorobenzene	9.505	112	152565	9.805	ug/L	#	87
78) Ethylbenzene	9.547	91	255955	9.554	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.589	131	47809	9.073	ug/L		96
80) p/m Xylene	9.736	106	200405	18.133	ug/L		99
81) o Xylene	10.276	106	187612	17.807	ug/L		99
82) Styrene	10.339	104	303022	17.889	ug/L		97
84) Bromoform	10.360	173	23126	8.076	ug/L		99
86) Isopropylbenzene	10.662	105	268503	9.864	ug/L		99
88) Bromobenzene	11.097	156	62484	9.782	ug/L		99
89) n-Propylbenzene	11.146	91	303690	9.595	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.230	83	38028	8.974	ug/L		99
92) 4-Ethyltoluene	11.279	105	254012	9.559	ug/L		98
93) 2-Chlorotoluene	11.307	91	170319M6	9.457	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	216749	9.372	ug/L		100
95) 1,2,3-Trichloropropane	11.363	75	28873	8.512	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.419	53	8589	8.053	ug/L	#	76
97) 4-Chlorotoluene	11.496	91	179445	9.565	ug/L		97
98) tert-Butylbenzene	11.721	119	191690	9.636	ug/L		98

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N02.D
Acq On : 18 Dec 2024 07:41 pm
Operator : VOA122:LAC
Sample : WG2011243-4,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 20:04:07 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.791	105	139769	10.638	ug/L	98
102) sec-Butylbenzene	11.909	105	277174	9.846	ug/L	100
103) p-Isopropyltoluene	12.069	119	238212	9.670	ug/L	99
104) 1,3-Dichlorobenzene	12.118	146	128873	9.945	ug/L	99
105) 1,4-Dichlorobenzene	12.215	146	126150	9.743	ug/L	98
106) p-Diethylbenzene	12.438	119	134959	9.491	ug/L	100
107) n-Butylbenzene	12.494	91	192707	9.838	ug/L	98
108) 1,2-Dichlorobenzene	12.640	146	114198	9.877	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	177909	9.149	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.420	155	5490	8.314	ug/L	91
112) Hexachlorobutadiene	14.039	225	27875	10.824	ug/L	98
113) 1,2,4-Trichlorobenzene	14.053	180	65409	9.682	ug/L	99
114) Naphthalene	14.352	128	136455	9.083	ug/L	100
115) 1,2,3-Trichlorobenzene	14.520	180	56166	9.794	ug/L	98

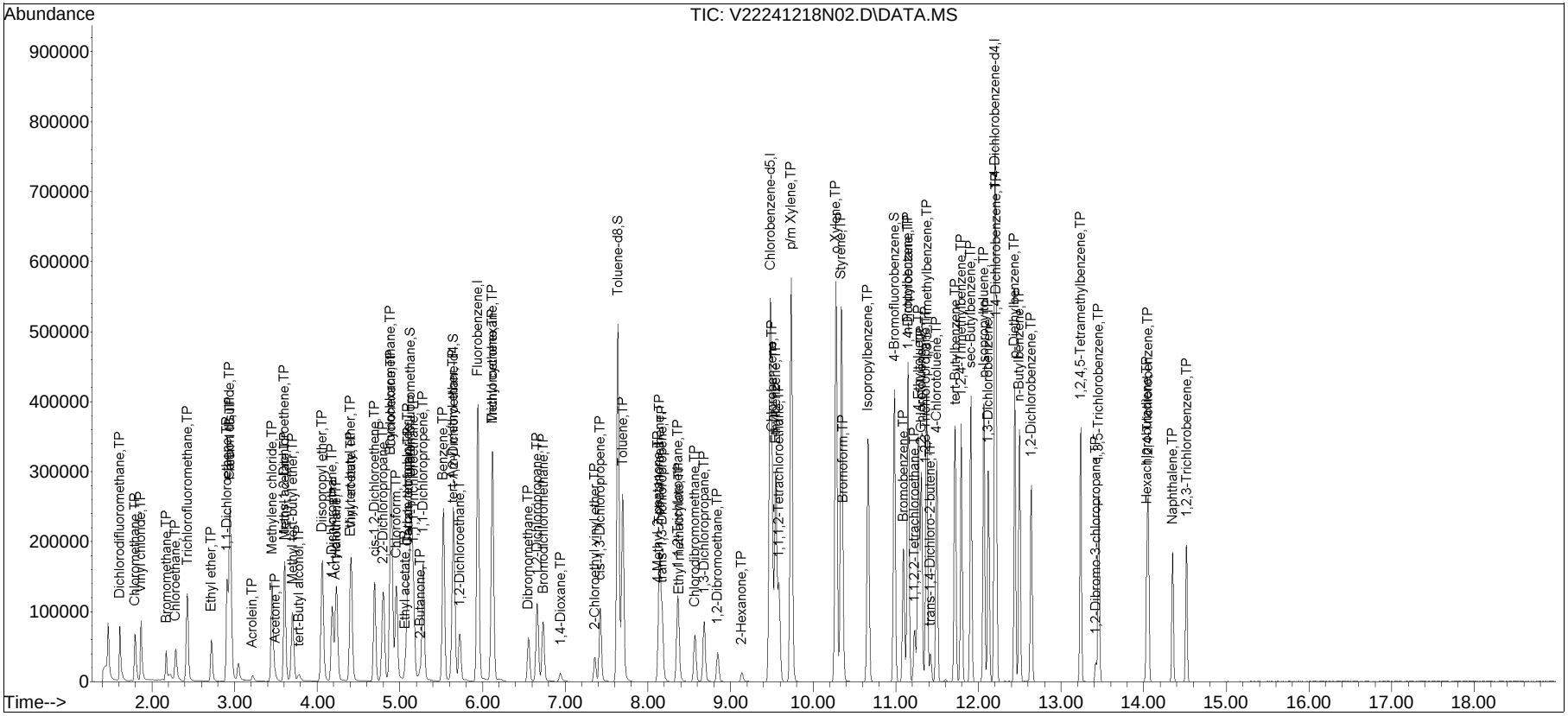
(#) = qualifier out of range (m) = manual integration (+) = signals summed

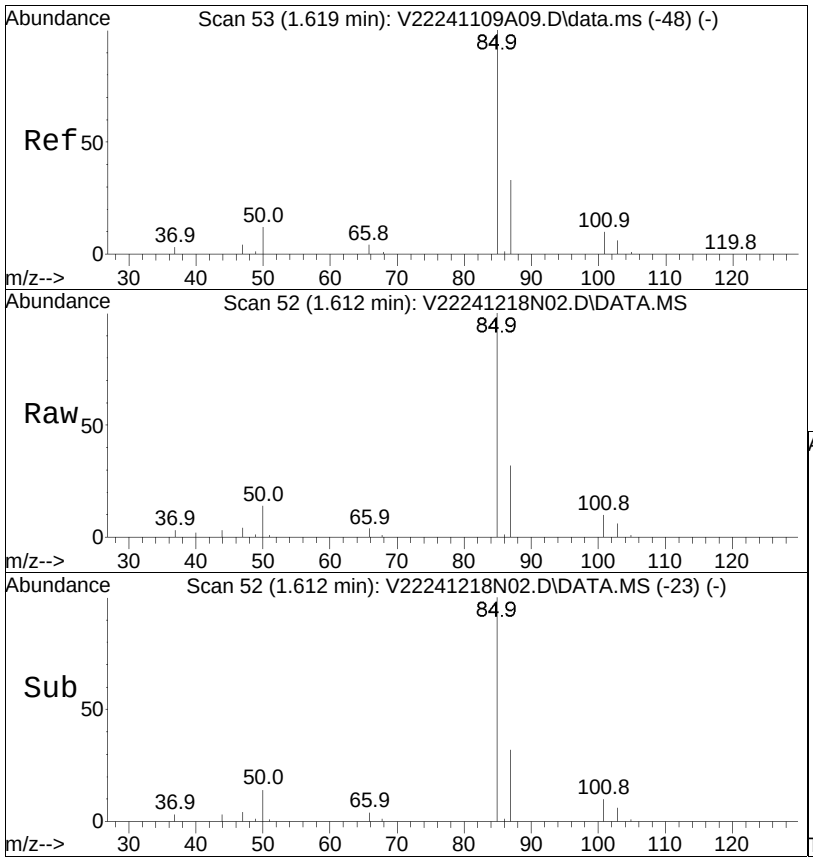
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N02.D
Acq On : 18 Dec 2024 07:41 pm
Operator : VOA122:LAC
Sample : WG2011243-4,31,10,10
Misc : WG2011243,ICAL21691
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 20:04:07 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

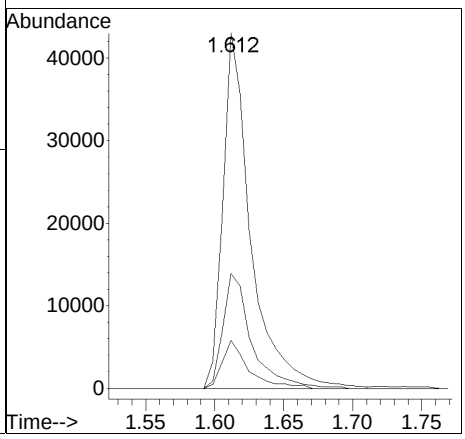


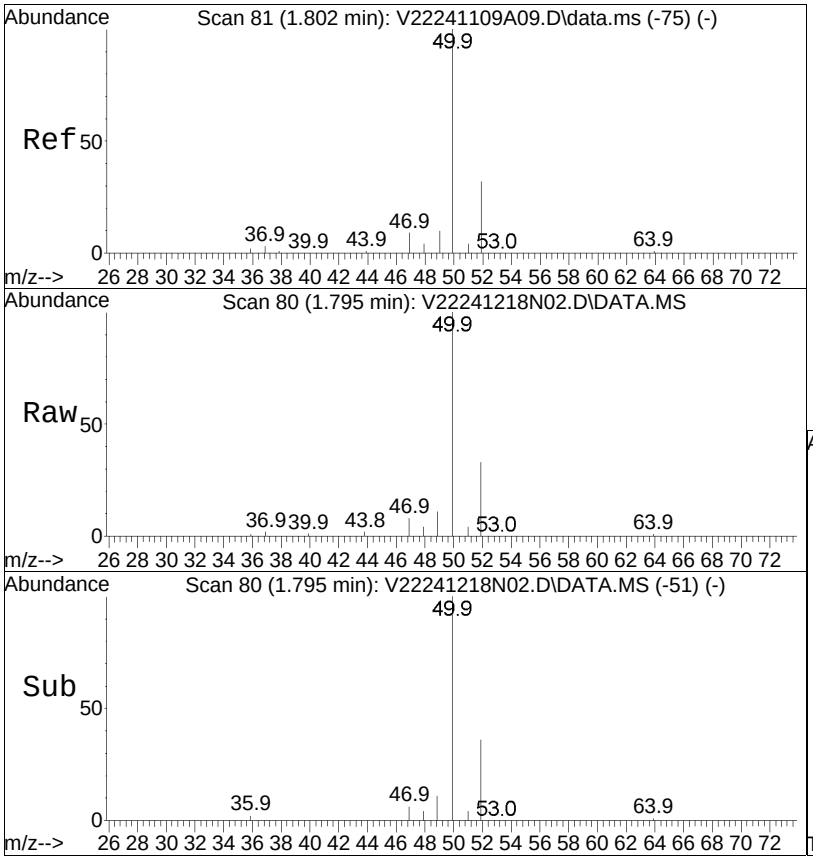


#2
Dichlorodifluoromethane
Concen: 7.46 ug/L
RT: 1.612 min Scan# 52
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 85 Resp: 60786

Ion	Ratio	Lower	Upper
85	100		
87	33.0	20.7	42.9
50	12.7	6.8	14.2

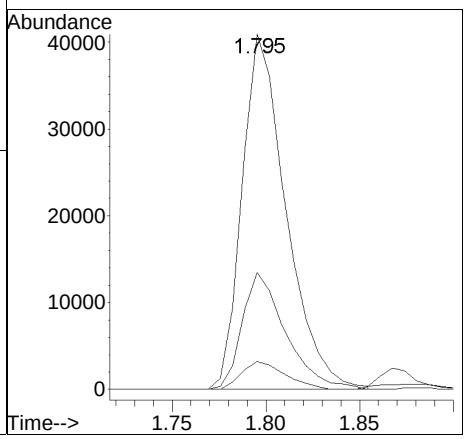


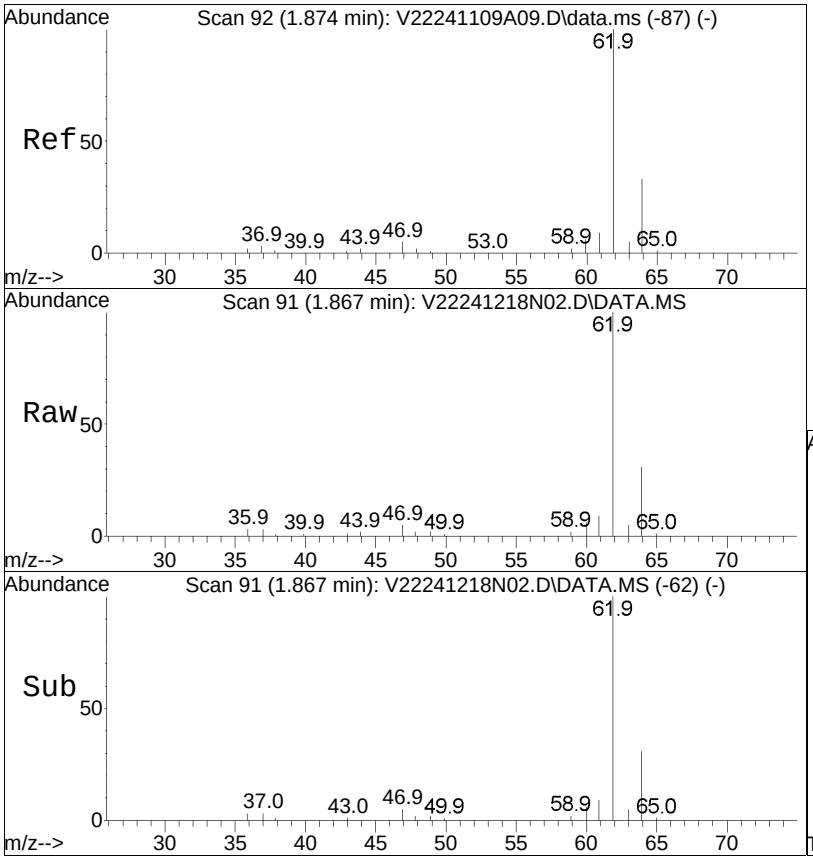


#3
Chloromethane
Concen: 9.59 ug/L
RT: 1.795 min Scan# 80
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 50 Resp: 66845

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.8	52.8
47	7.8	0.0	30.0

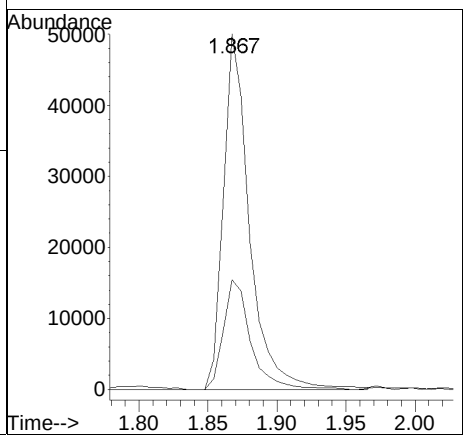


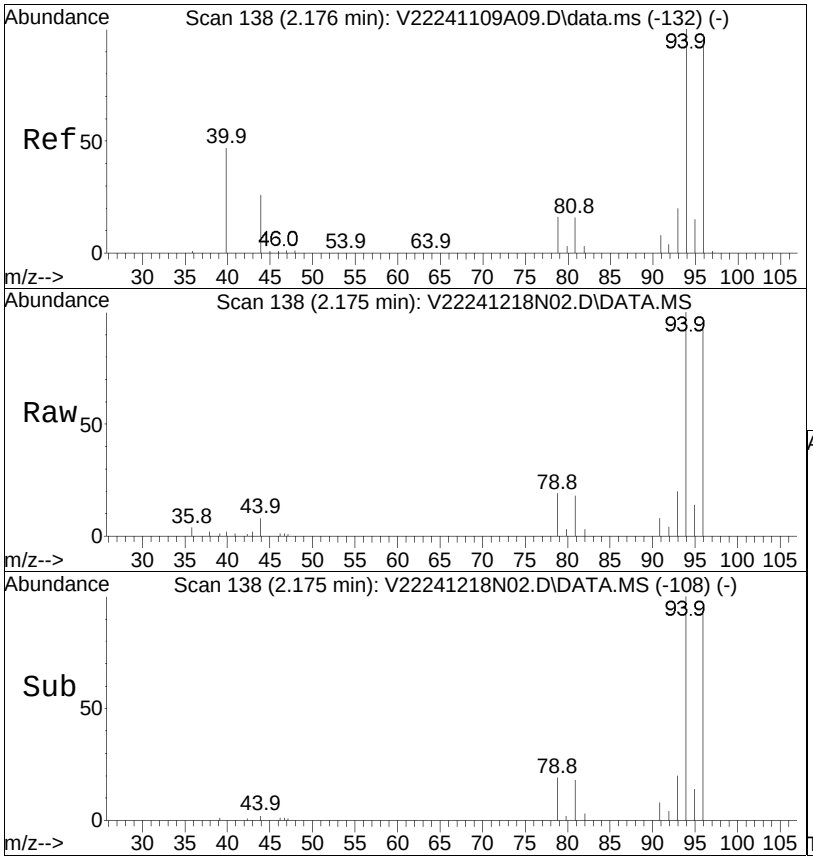


#4
Vinyl chloride
Concen: 7.09 ug/L
RT: 1.867 min Scan# 91
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 62 Resp: 65879

Ion	Ratio	Lower	Upper
62	100		
64	32.3	12.0	52.0

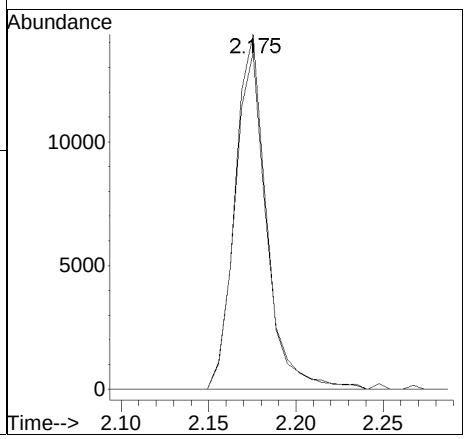


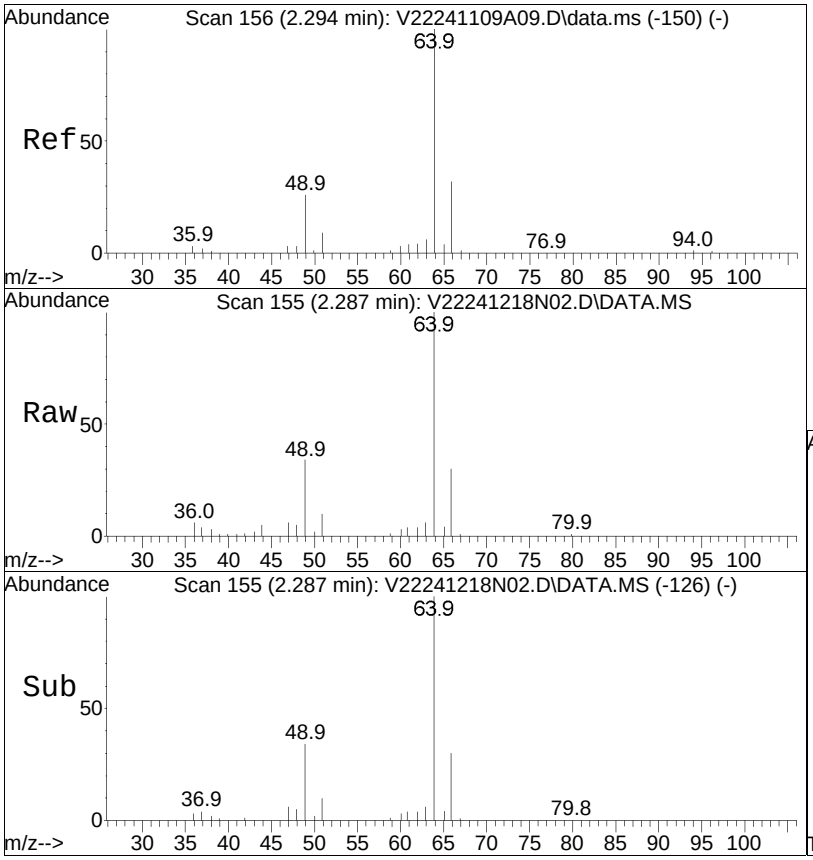


#5
Bromomethane
Concen: 2.69 ug/L
RT: 2.175 min Scan# 138
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 94 Resp: 18062

Ion	Ratio	Lower	Upper
94	100		
96	96.2	72.8	112.8

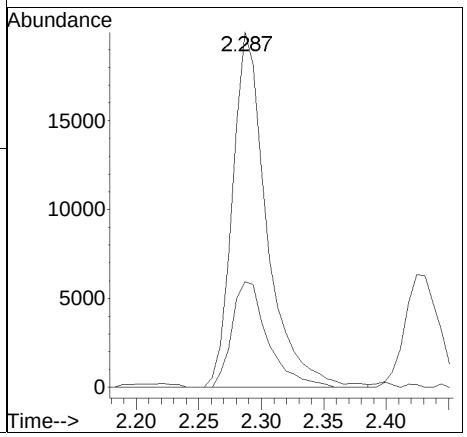


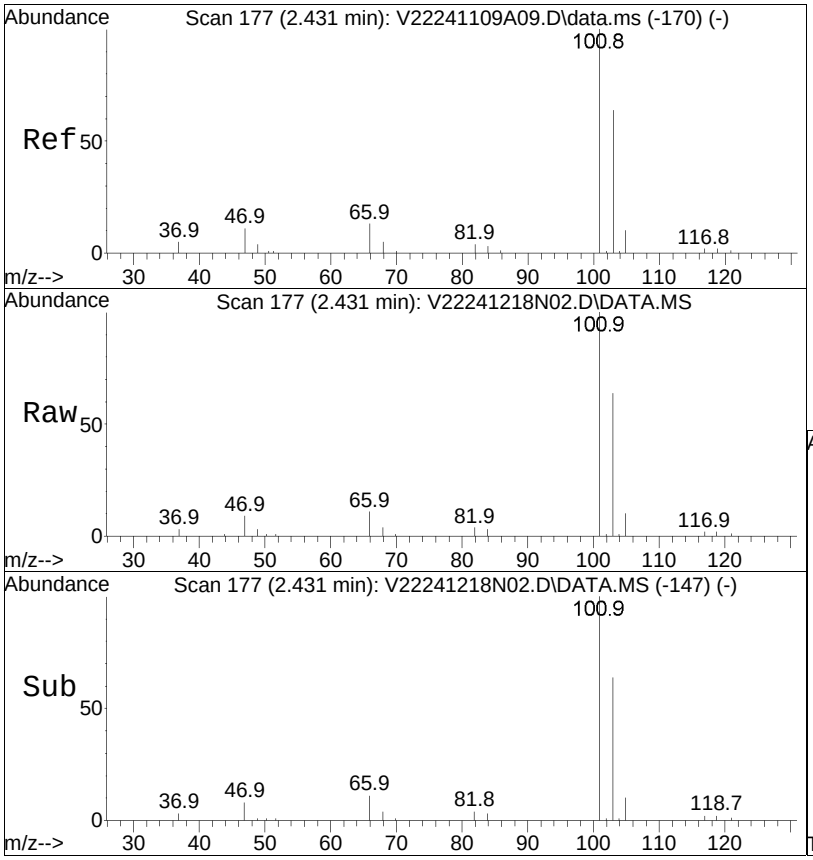


#6
Chloroethane
Concen: 6.00 ug/L
RT: 2.287 min Scan# 155
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 64 Resp: 38230

Ion	Ratio	Lower	Upper
64	100		
66	31.3	12.2	52.2

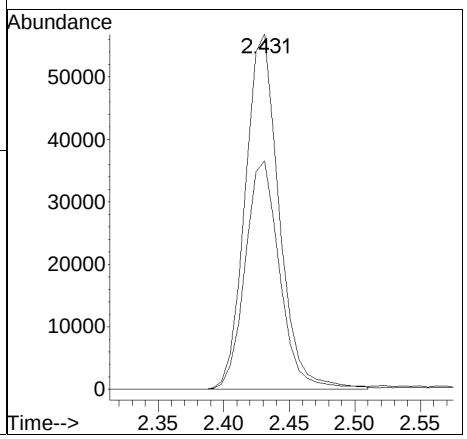


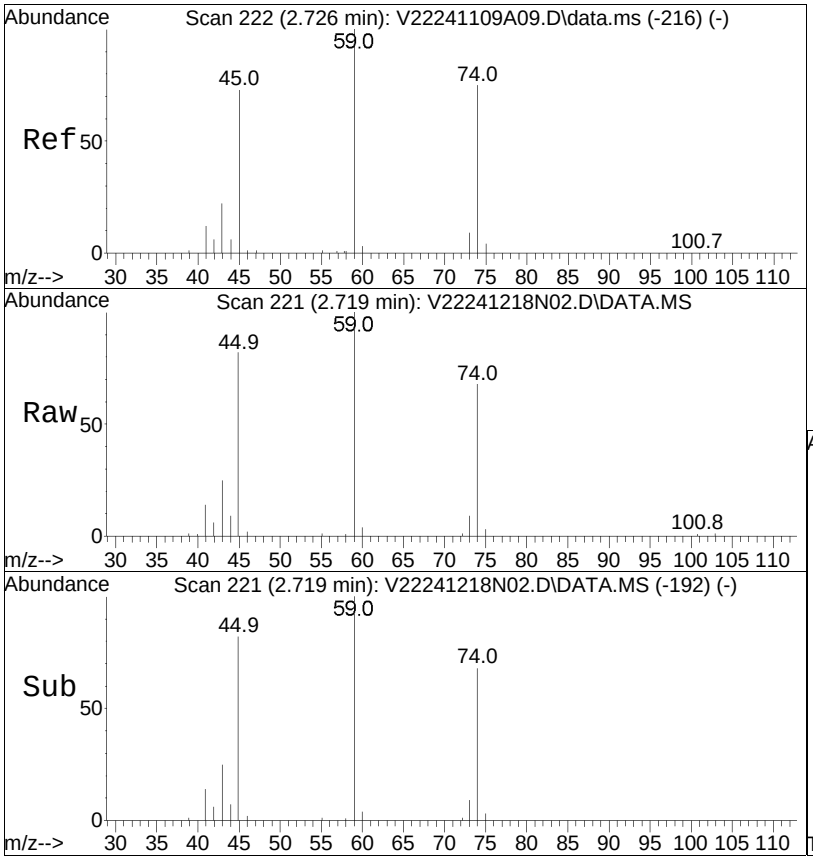


#7
Trichlorofluoromethane
Concen: 9.65 ug/L
RT: 2.431 min Scan# 177
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:101 Resp: 102705

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

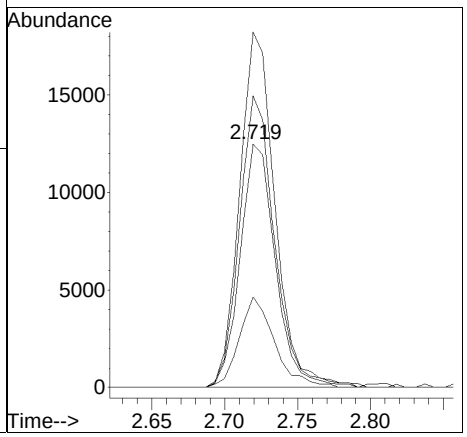


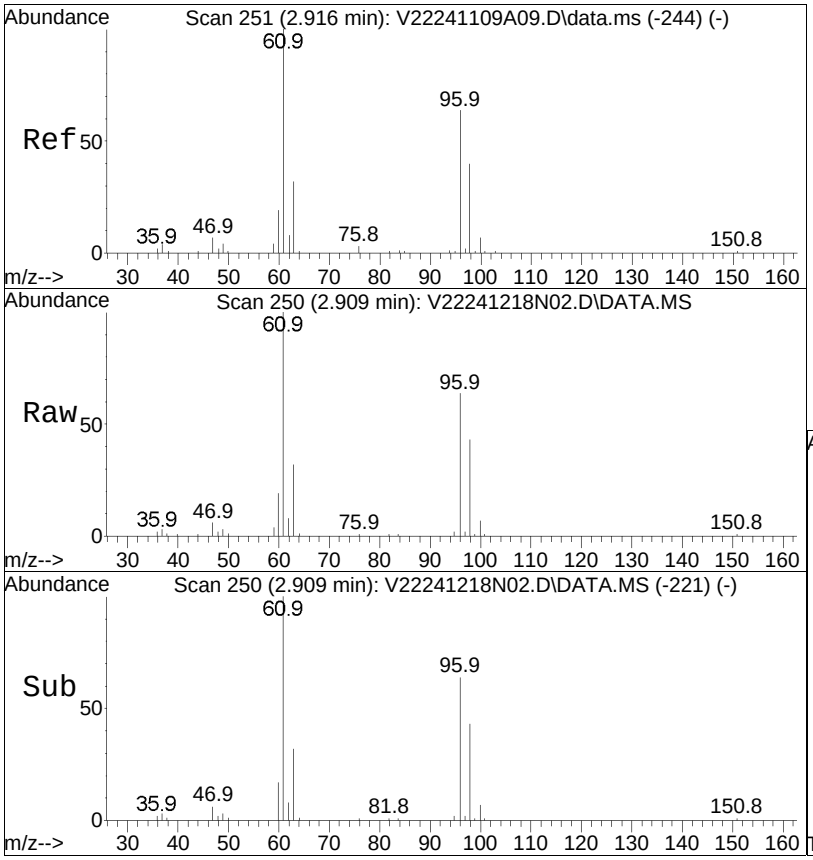


#8
Ethyl ether
Concen: 9.01 ug/L
RT: 2.719 min Scan# 221
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 74 Resp: 21103

Ion	Ratio	Lower	Upper
74	100		
59	146.3	2122.4	4408.0#
45	119.4	1435.1	2980.5#
43	37.2	407.9	847.3#

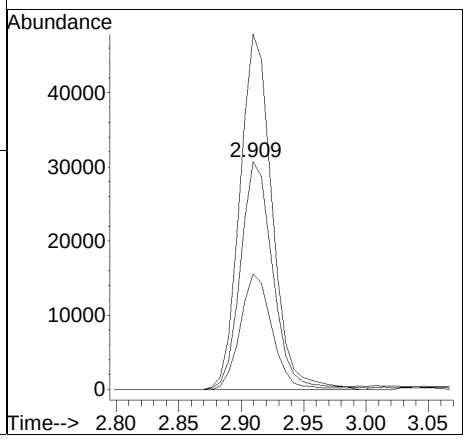


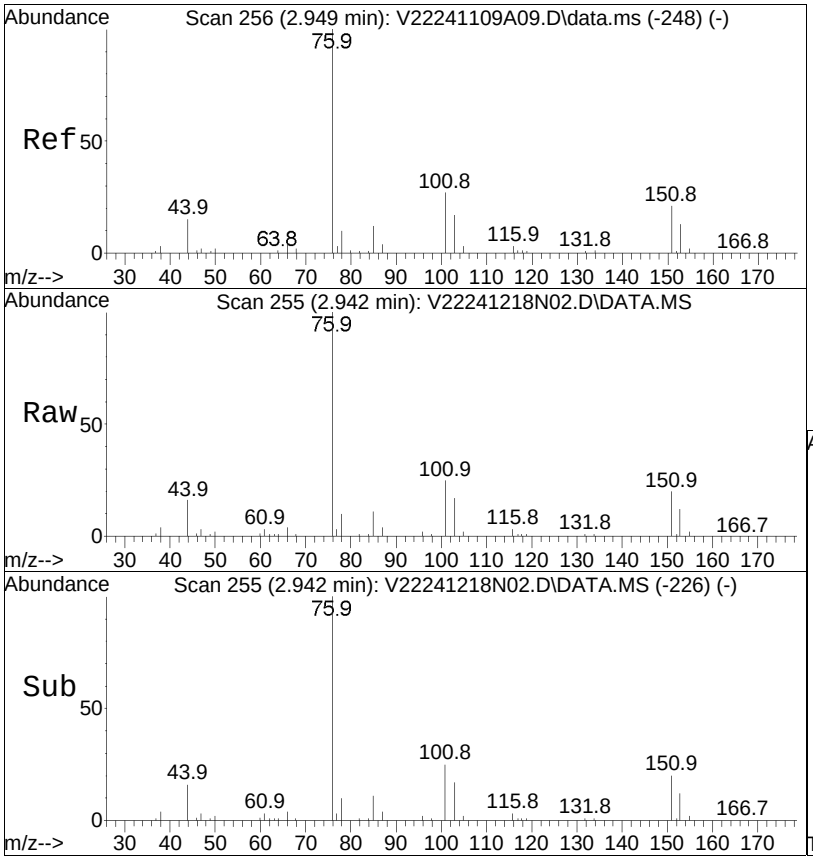


#10
1,1-Dichloroethene
Concen: 9.84 ug/L
RT: 2.909 min Scan# 250
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 96 Resp: 55250

Ion	Ratio	Lower	Upper
96	100		
61	155.5	117.0	175.4
63	50.0	37.8	56.6

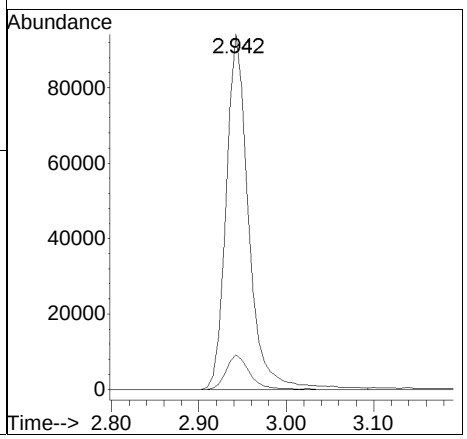


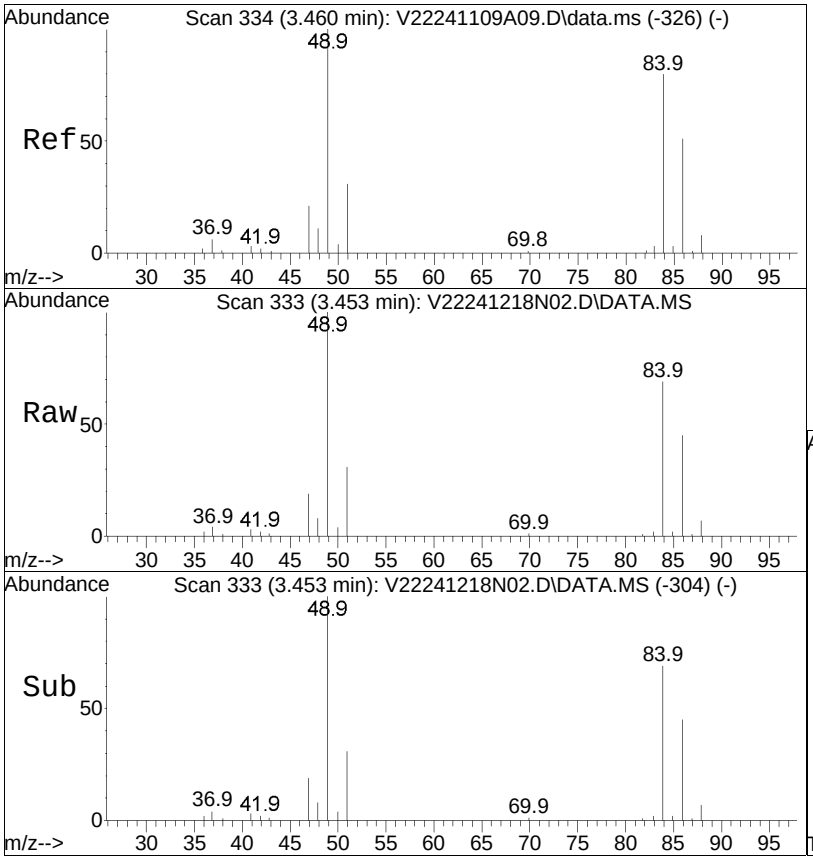


#11
Carbon disulfide
Concen: 9.90 ug/L
RT: 2.942 min Scan# 255
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 76 Resp: 168843

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

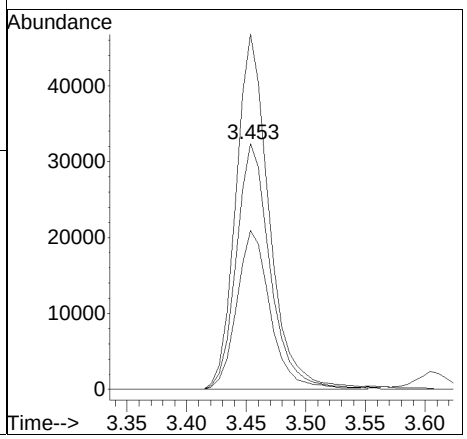


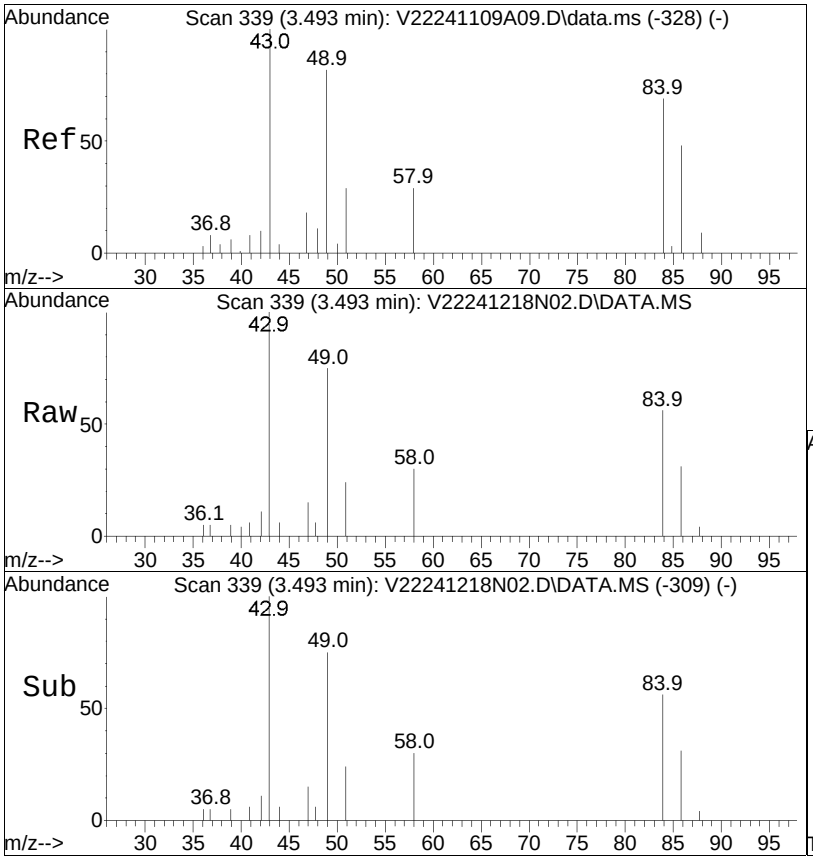


#15
Methylene chloride
Concen: 9.72 ug/L
RT: 3.453 min Scan# 333
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 84 Resp: 64089

Ion	Ratio	Lower	Upper
84	100		
86	64.0	41.5	86.3
49	142.7	68.8	143.0

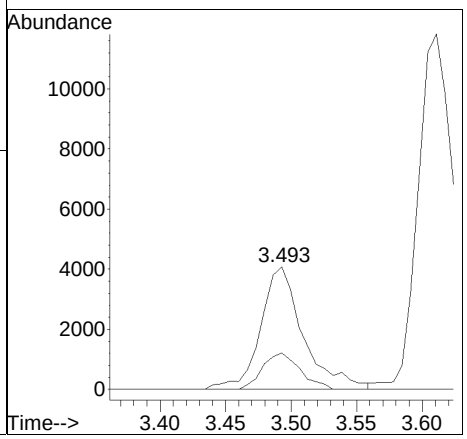


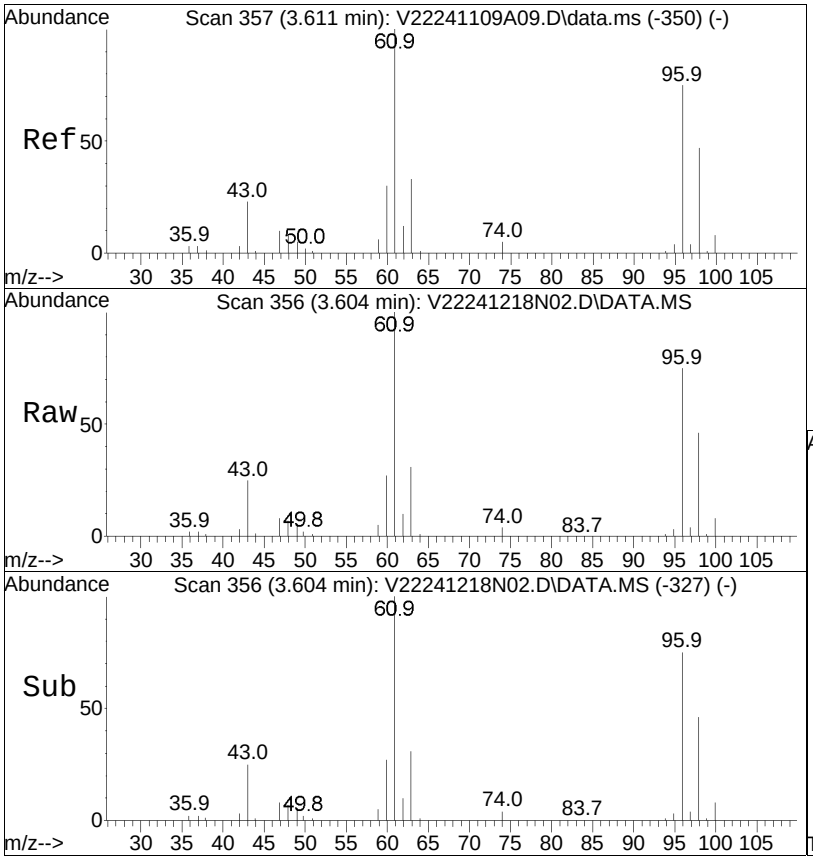


#17
Acetone
Concen: 9.78 ug/L
RT: 3.493 min Scan# 339
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 43 Resp: 9291

Ion	Ratio	Lower	Upper
43	100		
58	26.1	23.1	34.7

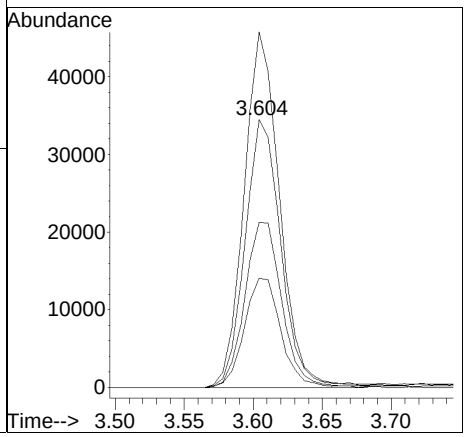


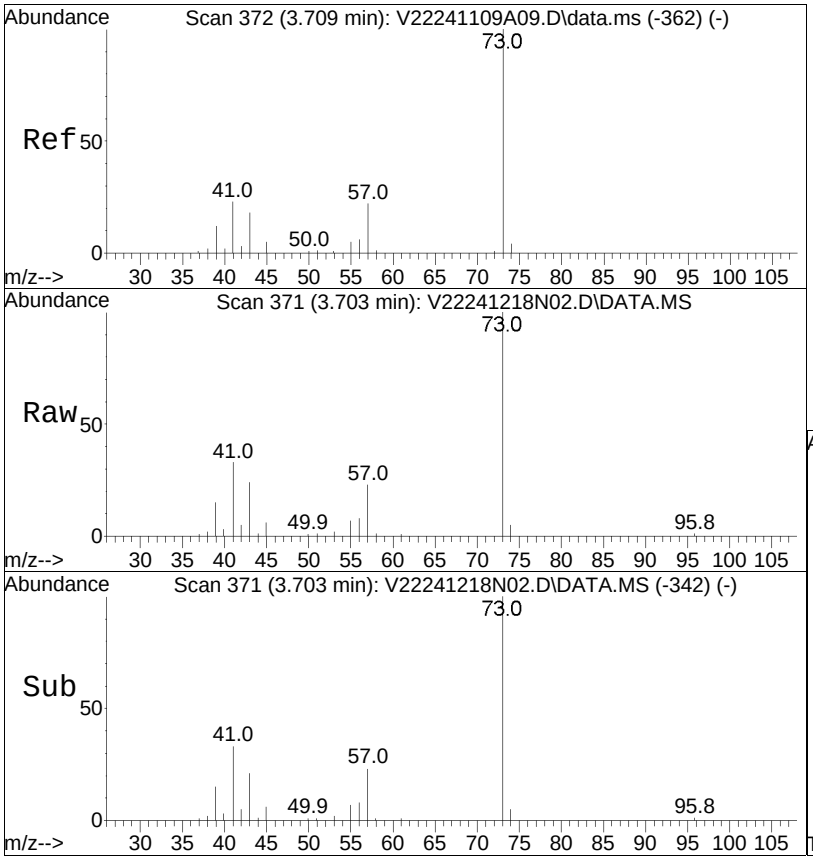


#18
trans-1,2-Dichloroethene
Concen: 10.13 ug/L
RT: 3.604 min Scan# 356
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 96 Resp: 62418

Ion	Ratio	Lower	Upper
96	100		
61	131.2	81.6	169.6
98	63.7	41.8	86.8
63	41.6	26.3	54.7

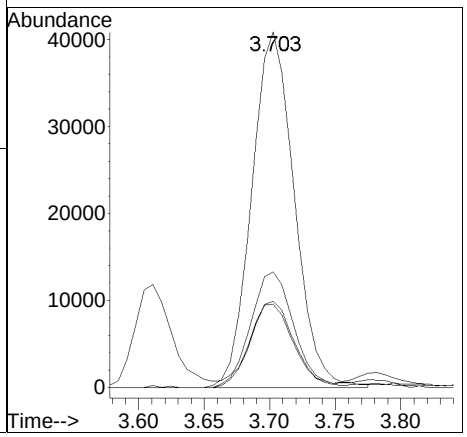


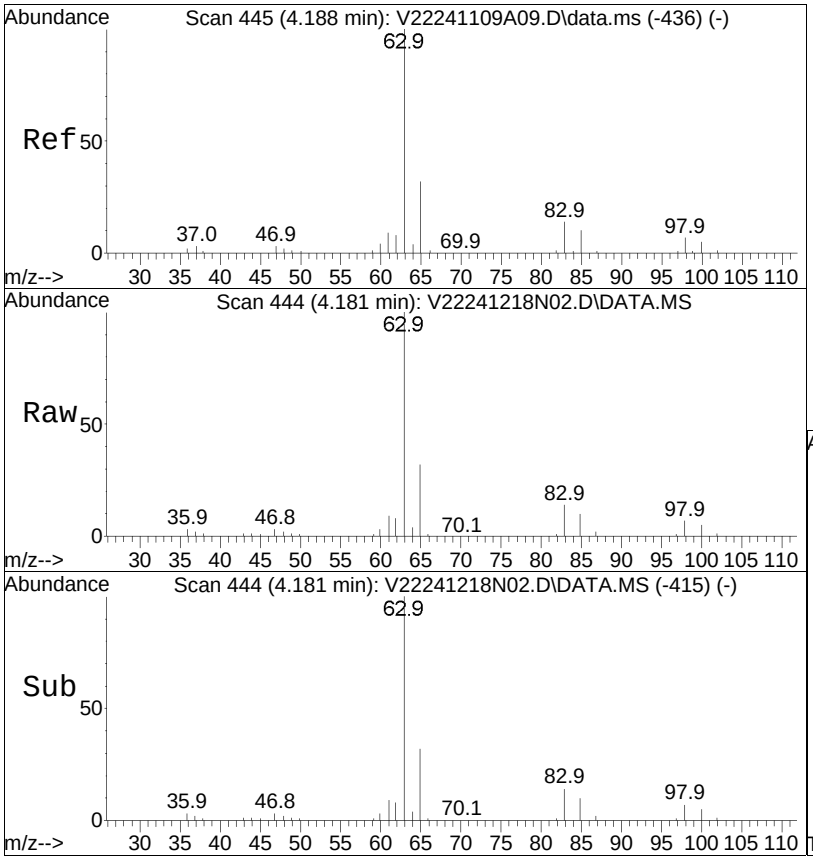


#21
Methyl tert-butyl ether
Concen: 8.53 ug/L
RT: 3.703 min Scan# 371
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 73 Resp: 92130

Ion	Ratio	Lower	Upper
73	100		
57	24.0	13.6	28.2
43	24.4	12.7	26.5
41	32.8	11.4	23.8#

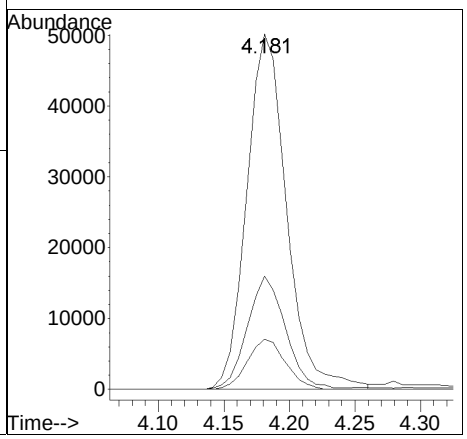


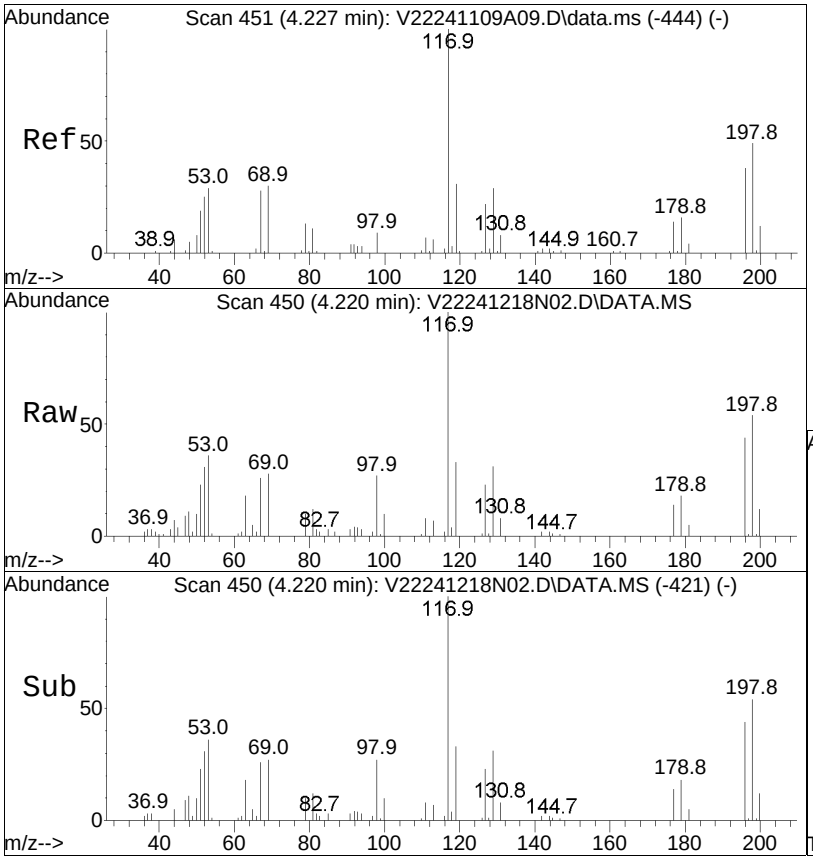


#25
1,1-Dichloroethane
Concen: 9.54 ug/L
RT: 4.181 min Scan# 444
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 63 Resp: 106404

Ion	Ratio	Lower	Upper
63	100		
65	30.5	11.9	51.9
83	13.5	0.0	34.2

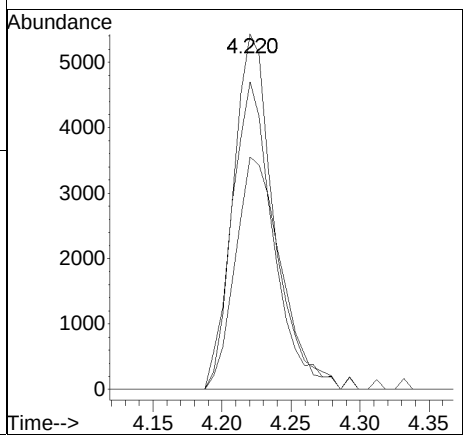


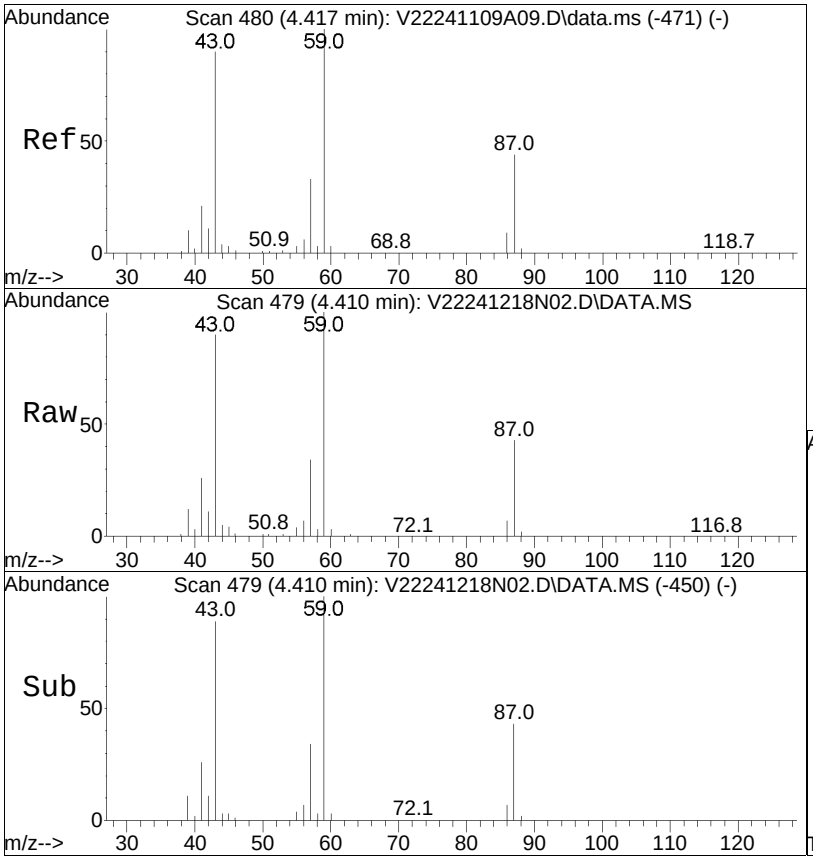


#27
Acrylonitrile
Concen: 10.00 ug/L
RT: 4.220 min Scan# 450
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 53 Resp: 11333

Ion	Ratio	Lower	Upper
53	100		
52	86.0	63.8	95.8
51	72.1	50.2	75.4

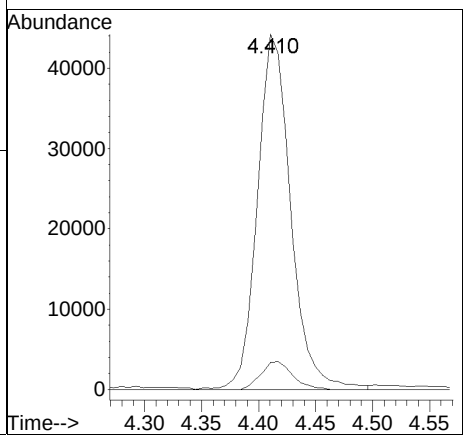


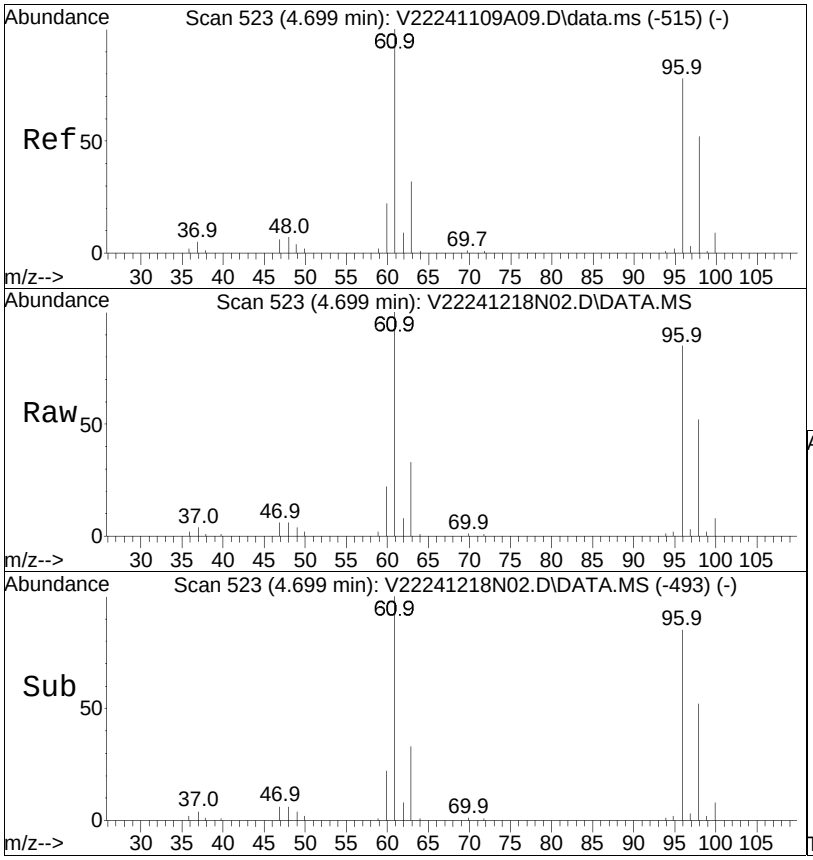


#29
Vinyl acetate
Concen: 9.31 ug/L
RT: 4.410 min Scan# 479
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 43 Resp: 89943

Ion	Ratio	Lower	Upper
43	100		
86	7.4	8.9	13.3#

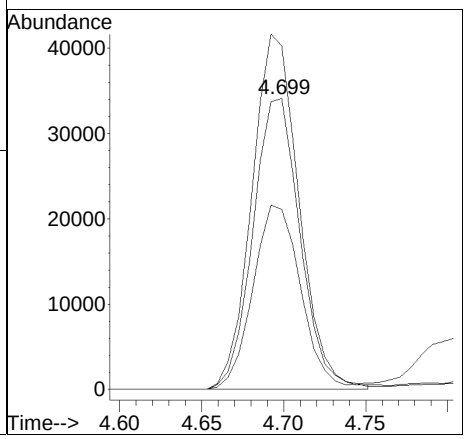


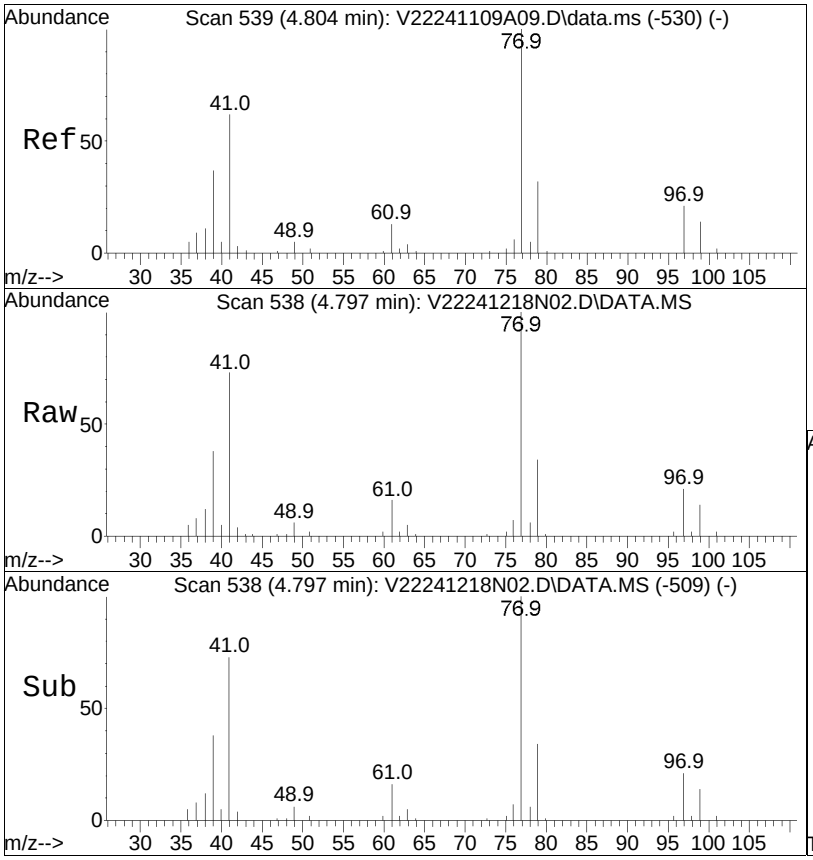


#30
cis-1,2-Dichloroethene
Concen: 10.02 ug/L
RT: 4.699 min Scan# 523
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 96 Resp: 68293

Ion	Ratio	Lower	Upper
96	100		
61	121.5	90.3	135.5
98	64.9	50.8	76.2

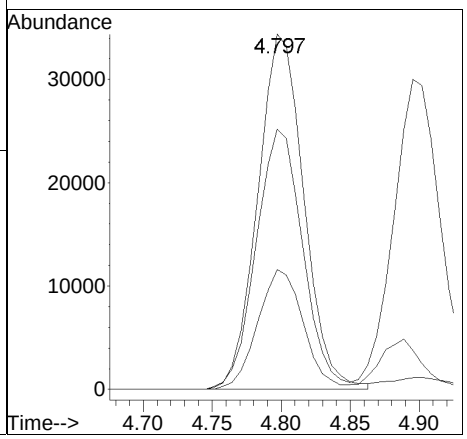


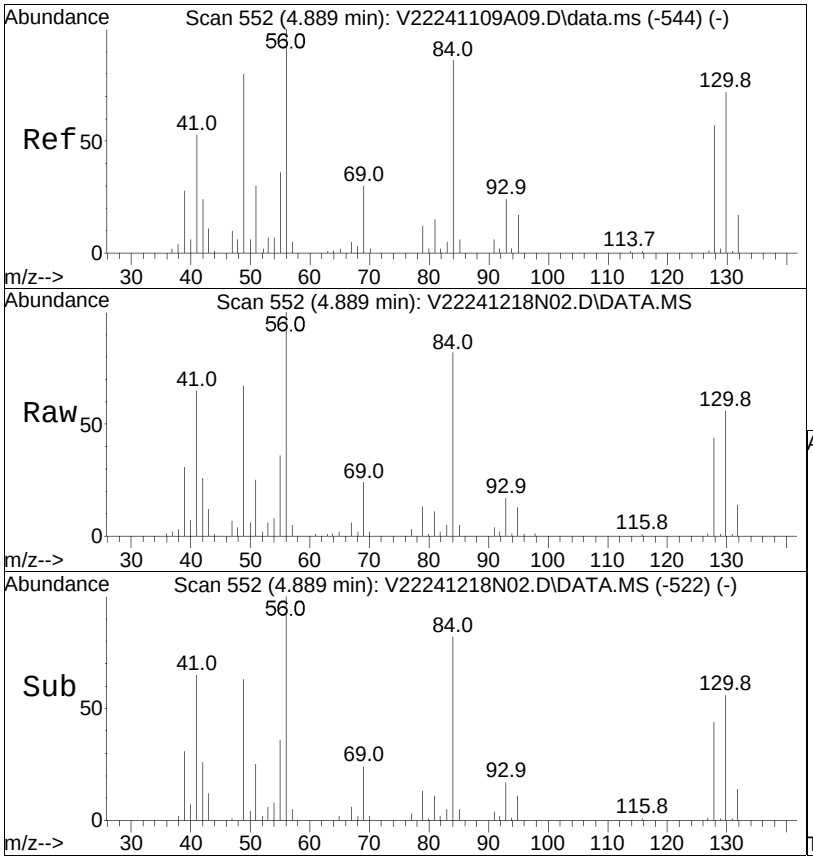


#31
2,2-Dichloropropane
Concen: 9.71 ug/L
RT: 4.797 min Scan# 538
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 77 Resp: 80013

Ion	Ratio	Lower	Upper
77	100		
41	73.9	32.3	67.1#
79	33.1	21.1	43.7

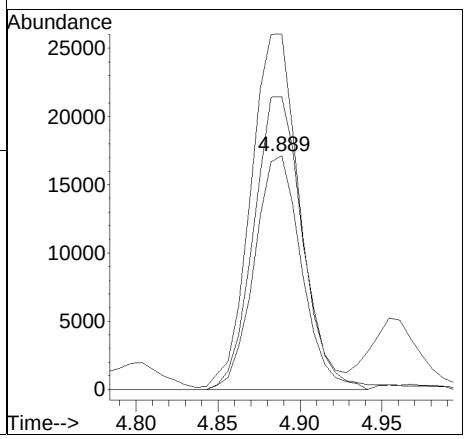


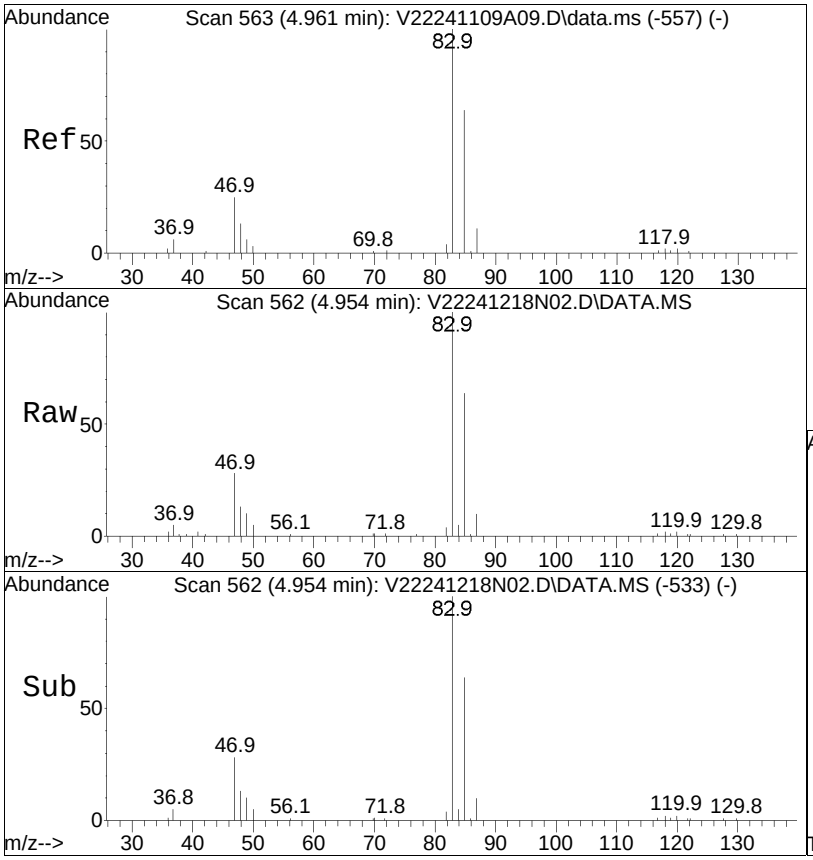


#32
Bromochloromethane
Concen: 10.01 ug/L
RT: 4.889 min Scan# 552
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:128 Resp: 34319

Ion	Ratio	Lower	Upper
128	100		
49	156.0	104.4	156.6
130	130.9	103.9	155.9

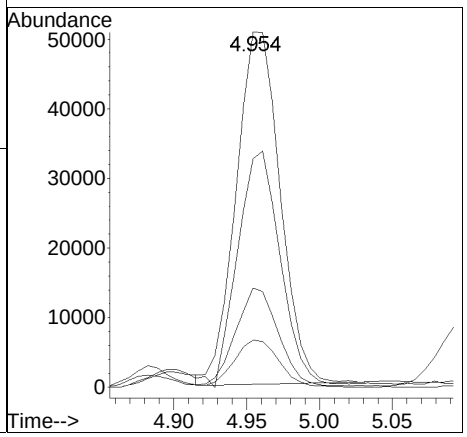


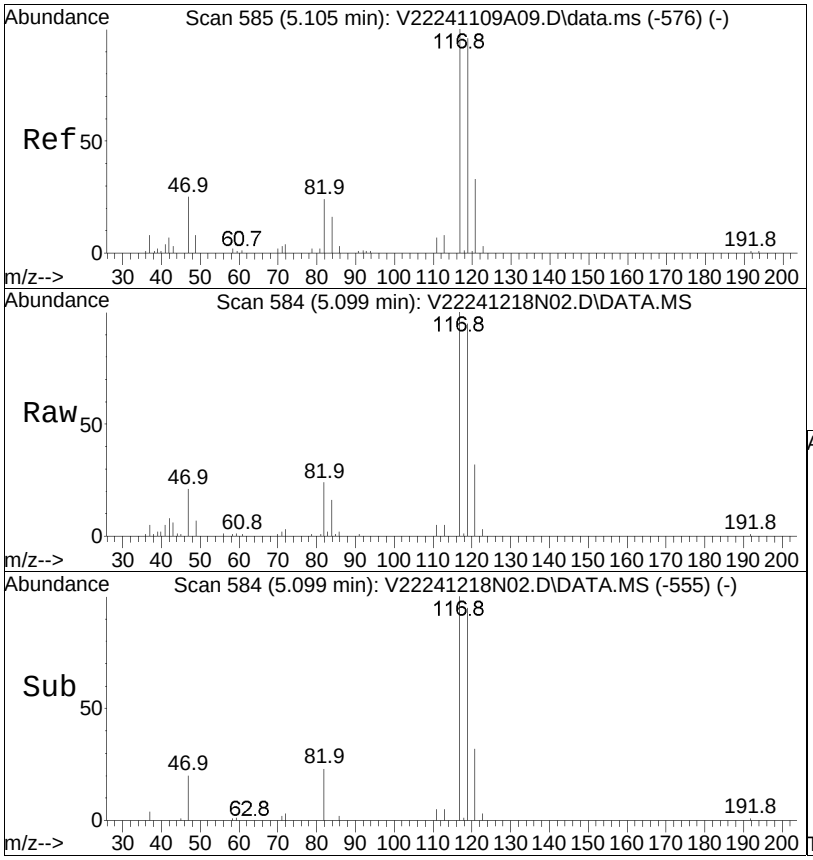


#34
Chloroform
Concen: 9.58 ug/L
RT: 4.954 min Scan# 562
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 83 Resp: 106823

Ion	Ratio	Lower	Upper
83	100		
85	63.8	42.4	88.2
47	26.6	14.0	29.0
48	13.8	6.9	14.3

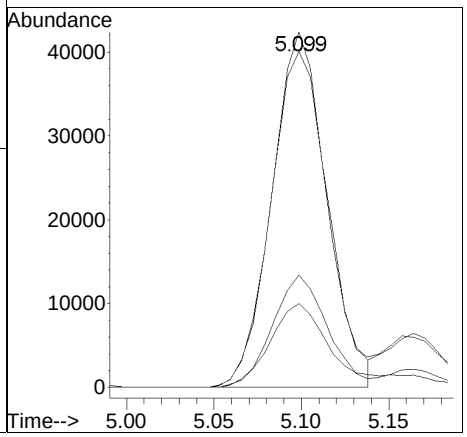


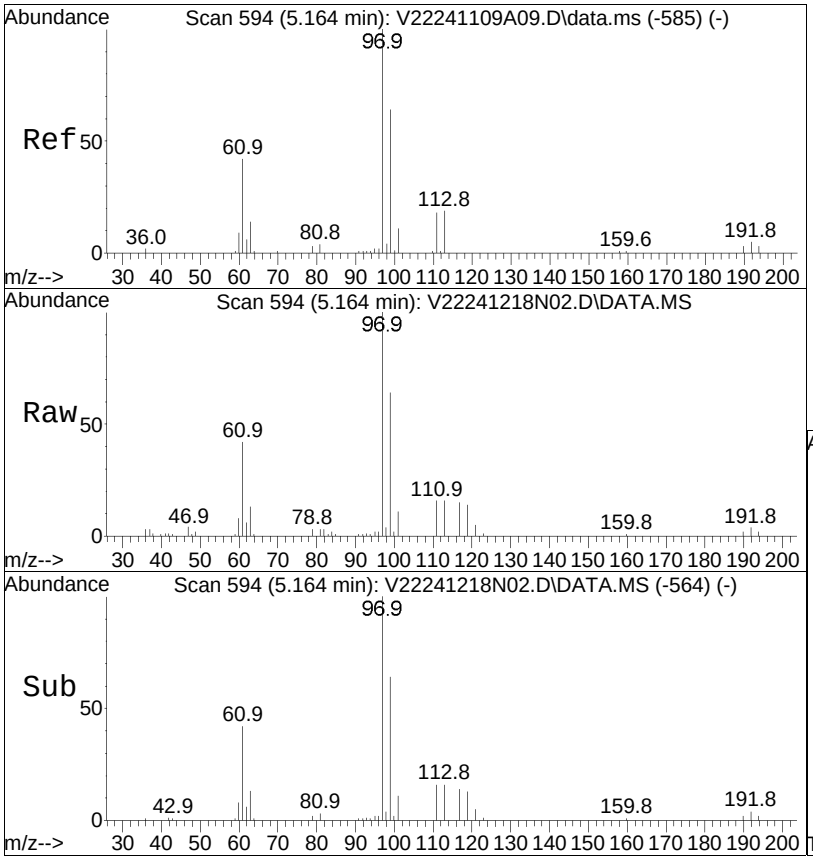


#36
Carbon tetrachloride
Concen: 10.31 ug/L
RT: 5.099 min Scan# 584
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:117 Resp: 93032

Ion	Ratio	Lower	Upper
117	100		
119	97.5	62.1	129.1
121	31.4	20.3	42.3
82	25.3	15.4	32.0

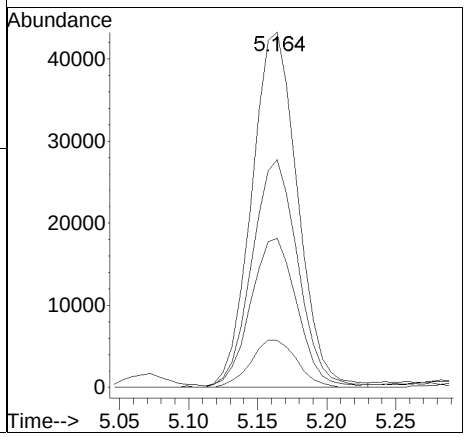


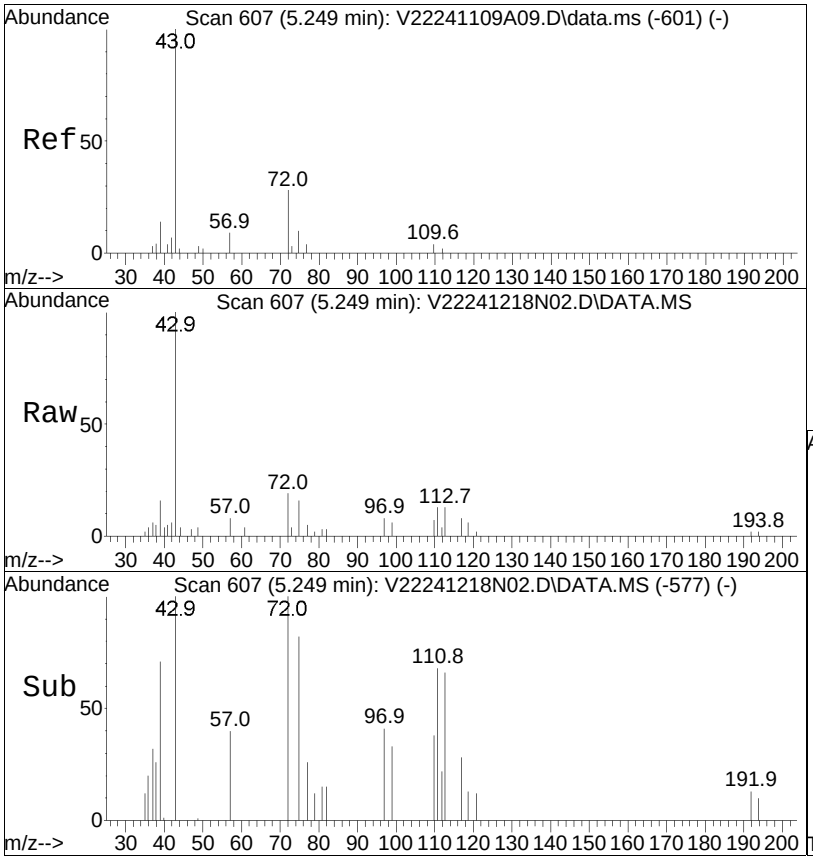


#39
1,1,1-Trichloroethane
Concen: 9.88 ug/L
RT: 5.164 min Scan# 594
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 97 Resp: 100474

Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.4	88.0
61	41.9	26.0	54.0
63	13.4	8.3	17.3

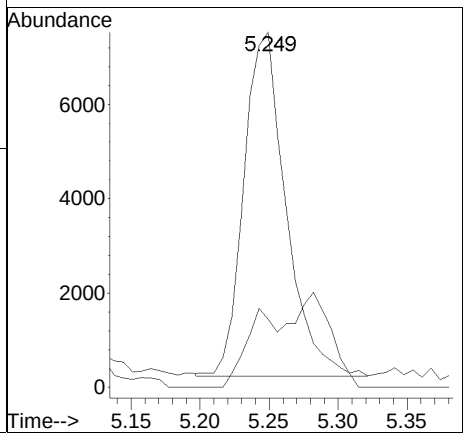


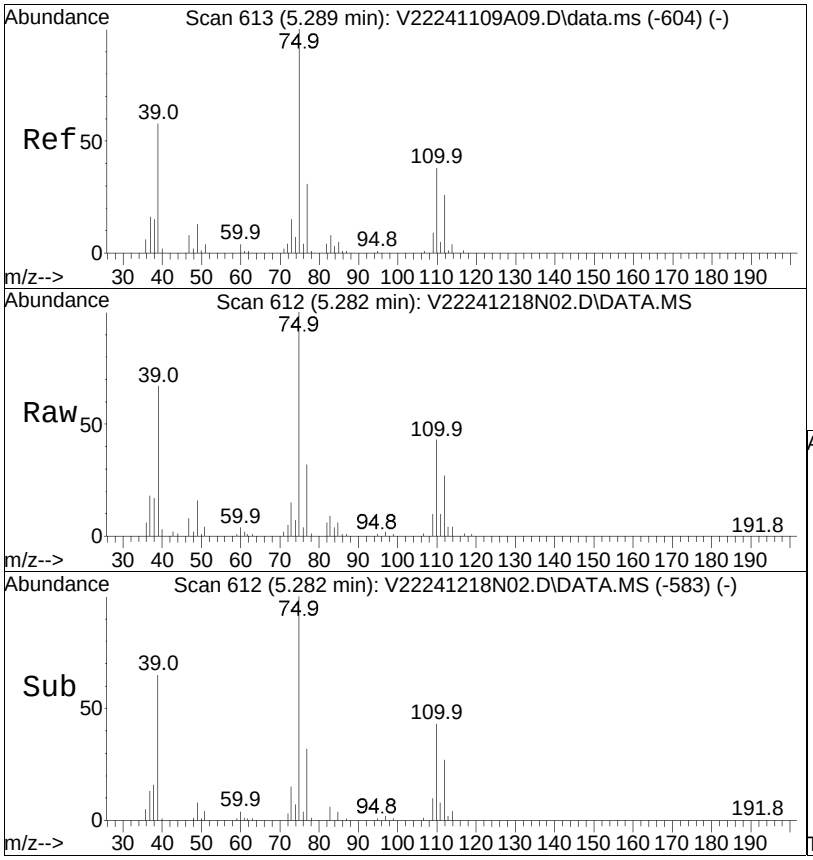


#41
2-Butanone
Concen: 11.43 ug/L
RT: 5.249 min Scan# 607
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 43 Resp: 15423

Ion	Ratio	Lower	Upper
43	100		
72	16.3	45.8	68.8#

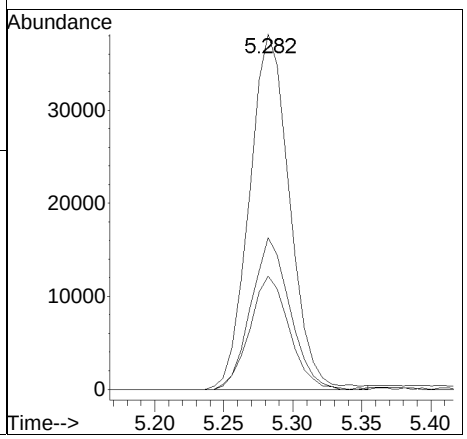


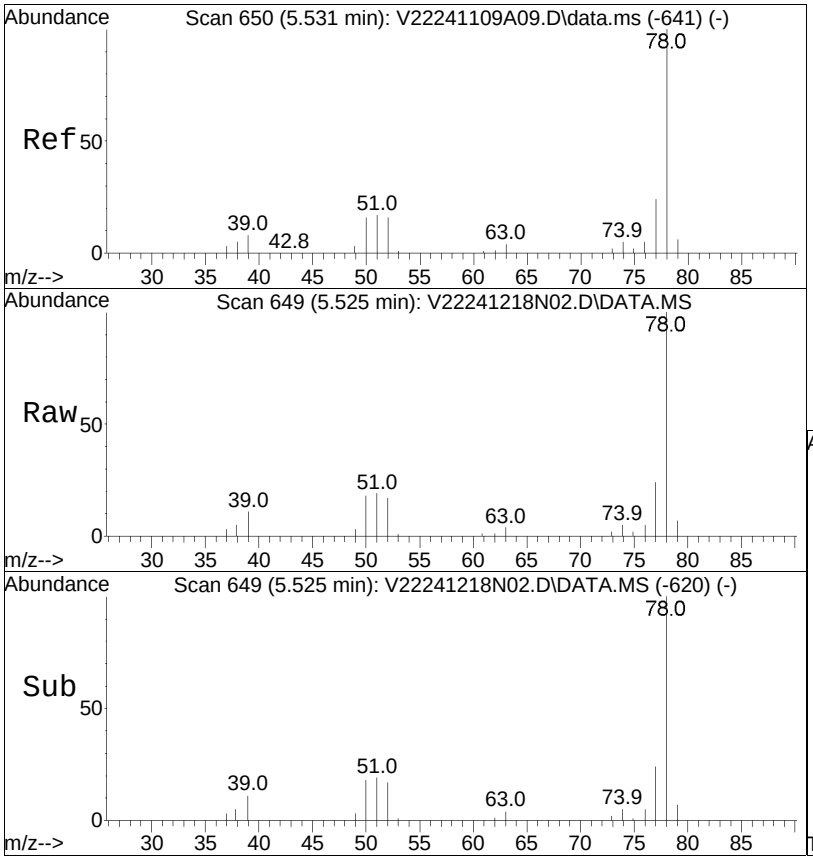


#42
1,1-Dichloropropene
Concen: 9.42 ug/L
RT: 5.282 min Scan# 612
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 75 Resp: 77433

Ion	Ratio	Lower	Upper
75	100		
110	41.2	25.4	52.8
77	31.1	20.3	42.1

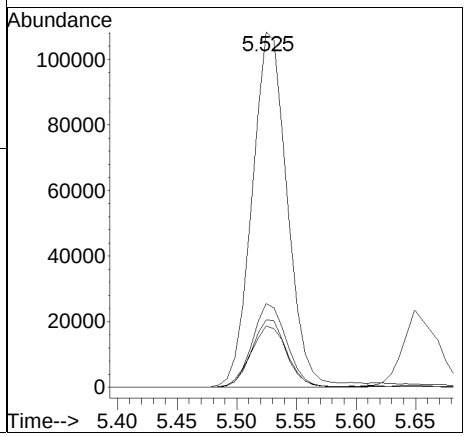


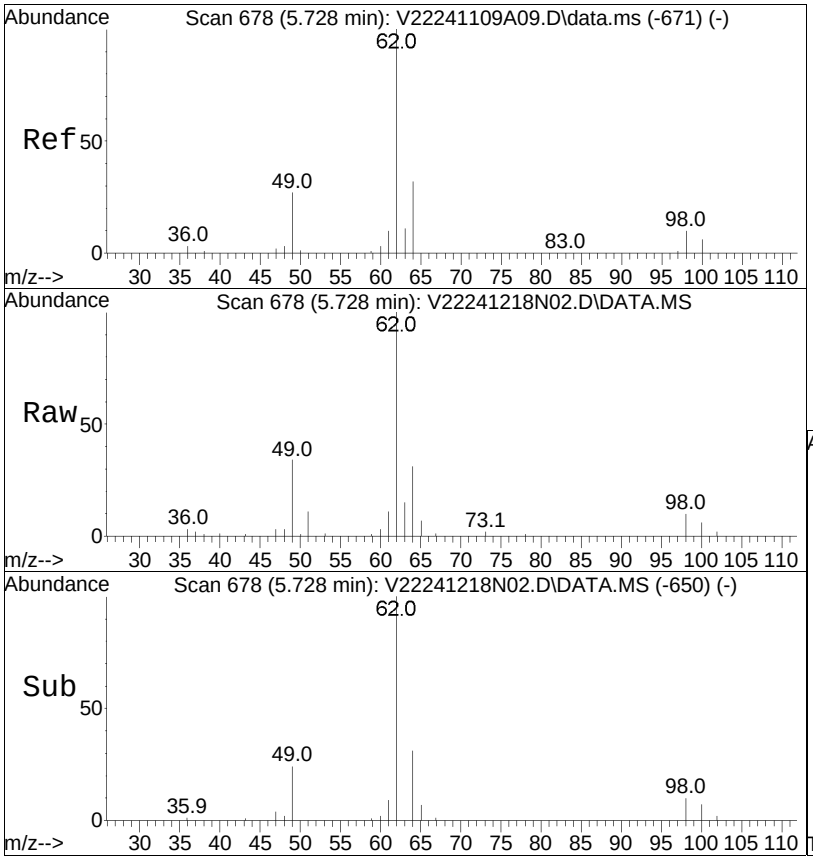


#44
Benzene
Concen: 9.18 ug/L
RT: 5.525 min Scan# 649
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 78 Resp: 222872

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.4	32.0
51	19.1	9.8	20.4
52	17.7	9.2	19.2

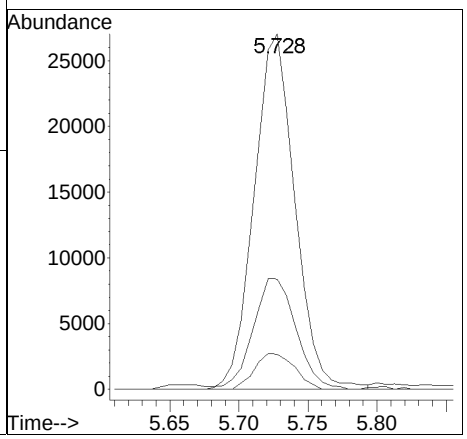


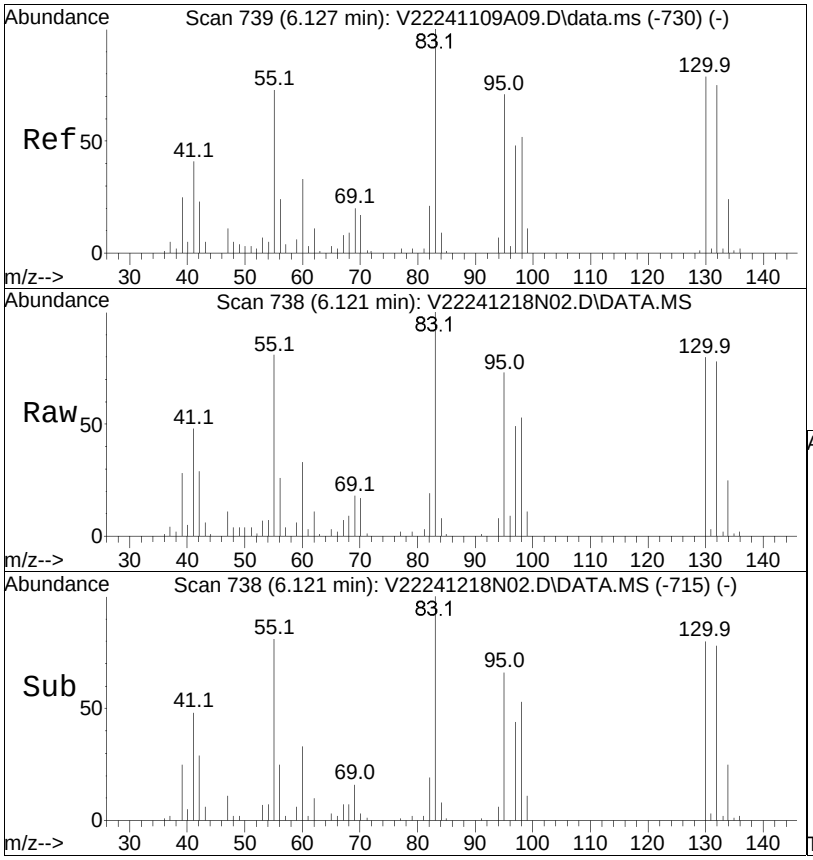


#47
1,2-Dichloroethane
Concen: 9.45 ug/L
RT: 5.728 min Scan# 678
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 62 Resp: 55686

Ion	Ratio	Lower	Upper
62	100		
64	32.8	12.3	52.3
98	9.9	0.0	30.3

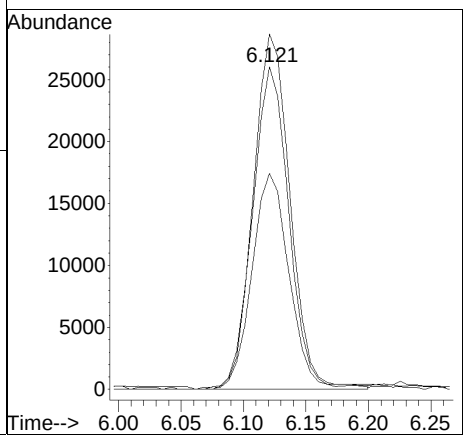


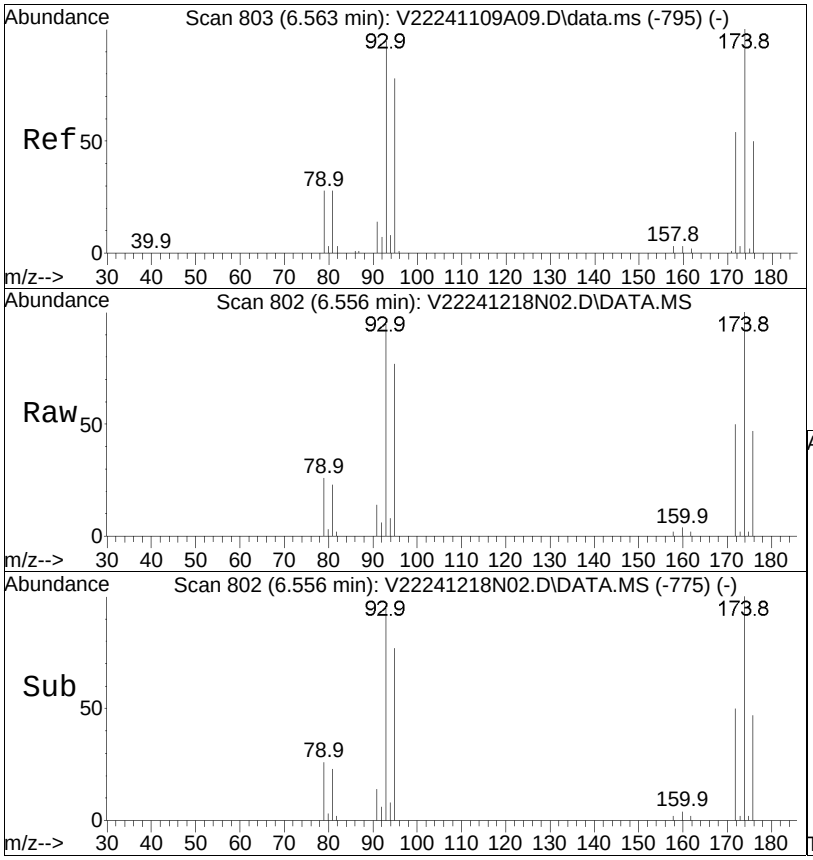


#51
Trichloroethene
Concen: 9.42 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 95 Resp: 53186

Ion	Ratio	Lower	Upper
95	100		
97	67.7	55.0	82.4
130	110.0	89.2	133.8

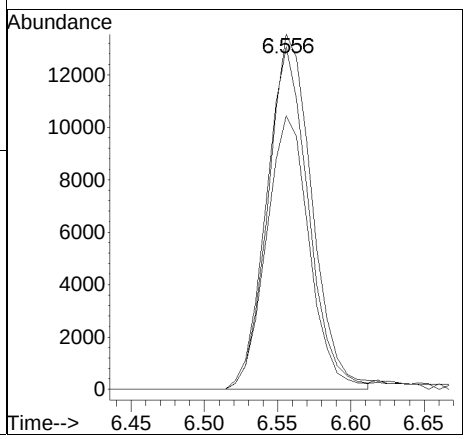


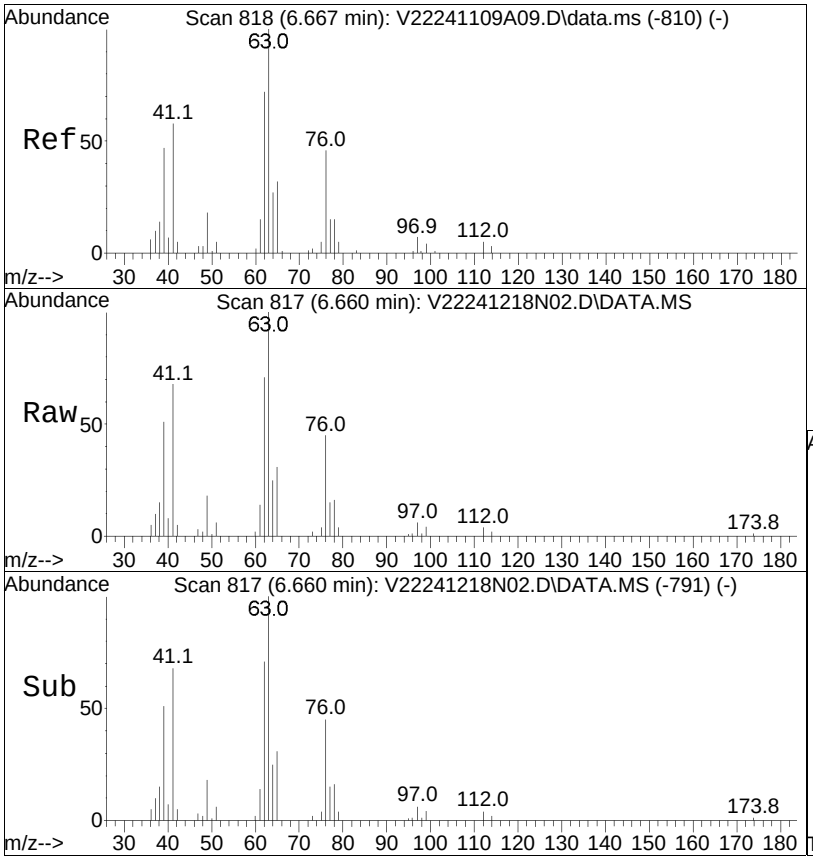


#53
Dibromomethane
Concen: 9.77 ug/L
RT: 6.556 min Scan# 802
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 93 Resp: 29381

Ion	Ratio	Lower	Upper
93	100		
95	81.0	68.0	102.0
174	106.1	106.1	159.1#

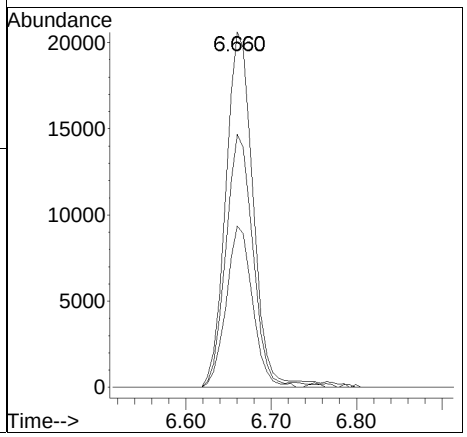


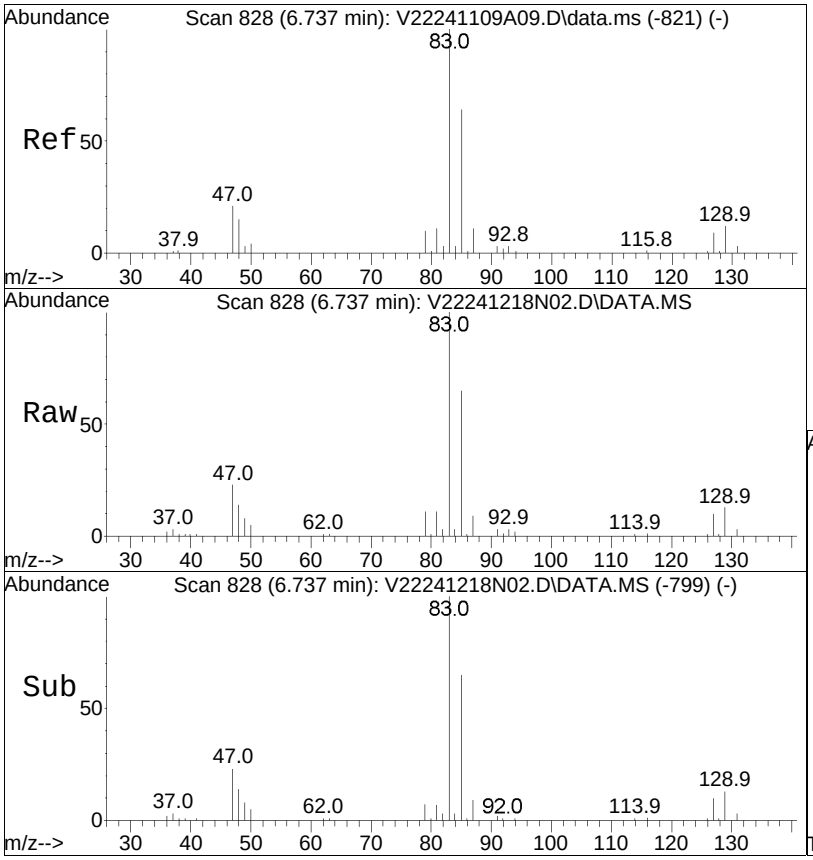


#54
1,2-Dichloropropane
Concen: 9.54 ug/L
RT: 6.660 min Scan# 817
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 63 Resp: 46525

Ion	Ratio	Lower	Upper
63	100		
62	69.9	56.9	85.3
76	43.3	35.8	53.8

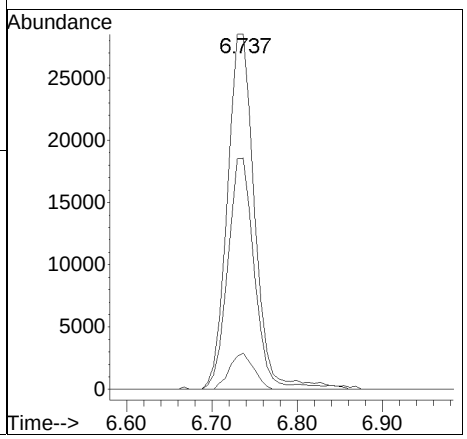


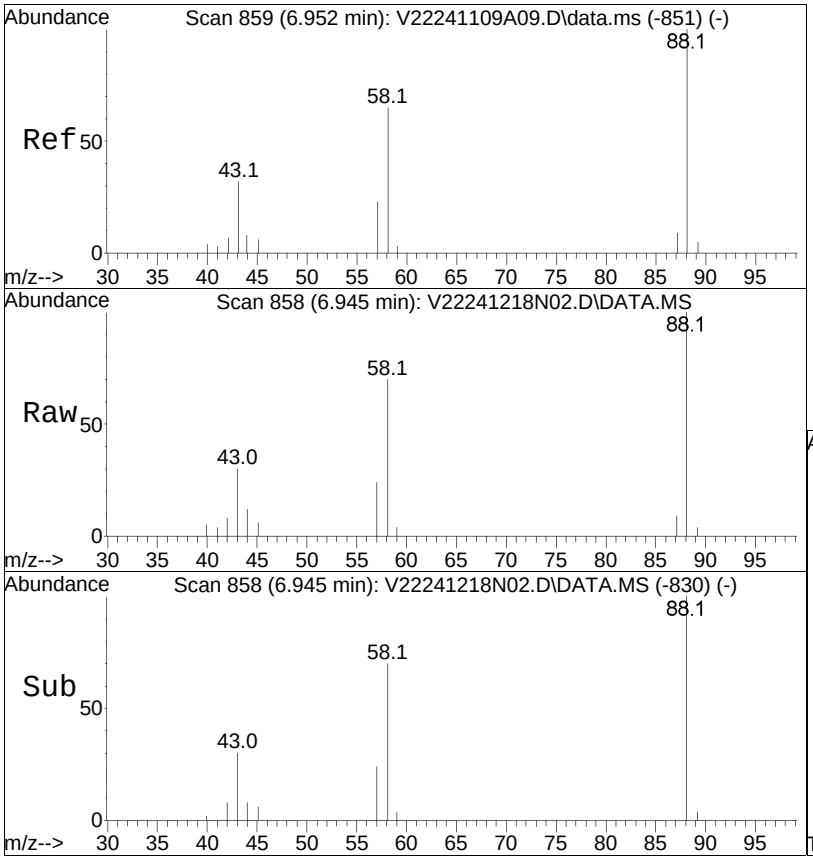


#57
Bromodichloromethane
Concen: 9.44 ug/L
RT: 6.737 min Scan# 828
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 83 Resp: 63946

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4
127	9.0	7.4	11.0

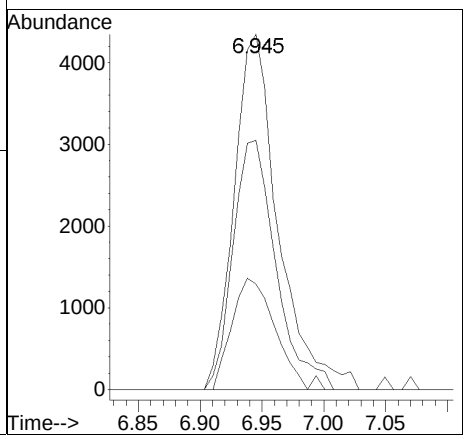


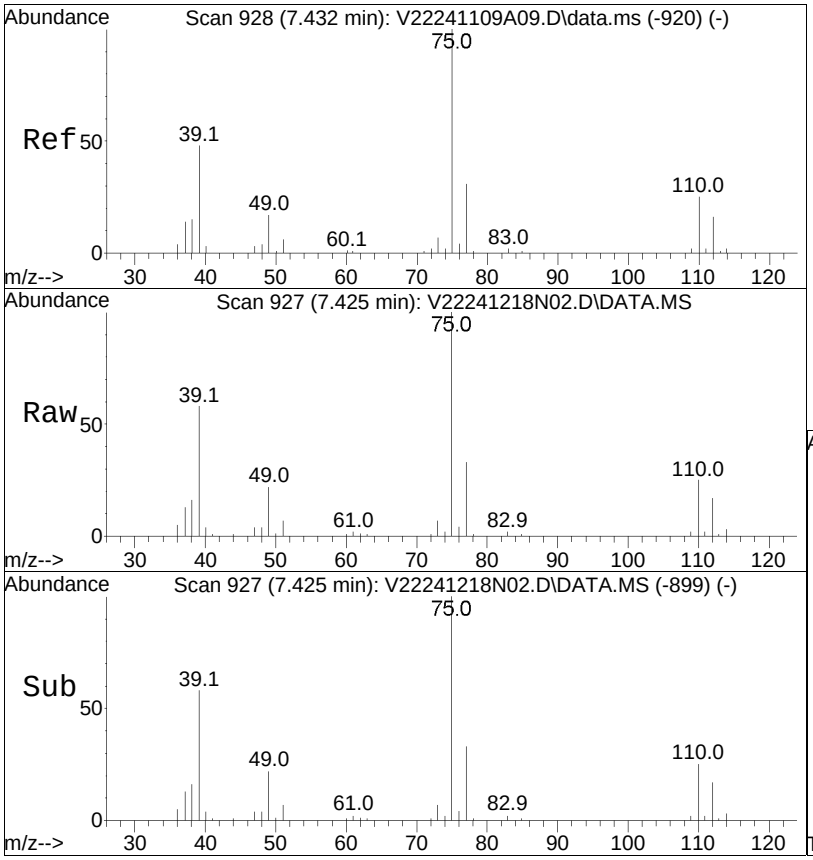


#60
1,4-Dioxane
Concen: 460.19 ug/L
RT: 6.945 min Scan# 858
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 88 Resp: 10808

Ion	Ratio	Lower	Upper
88	100		
58	68.1	43.3	64.9#
43	30.8	15.1	22.7#

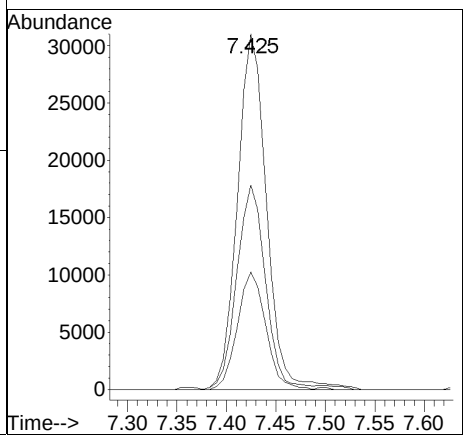


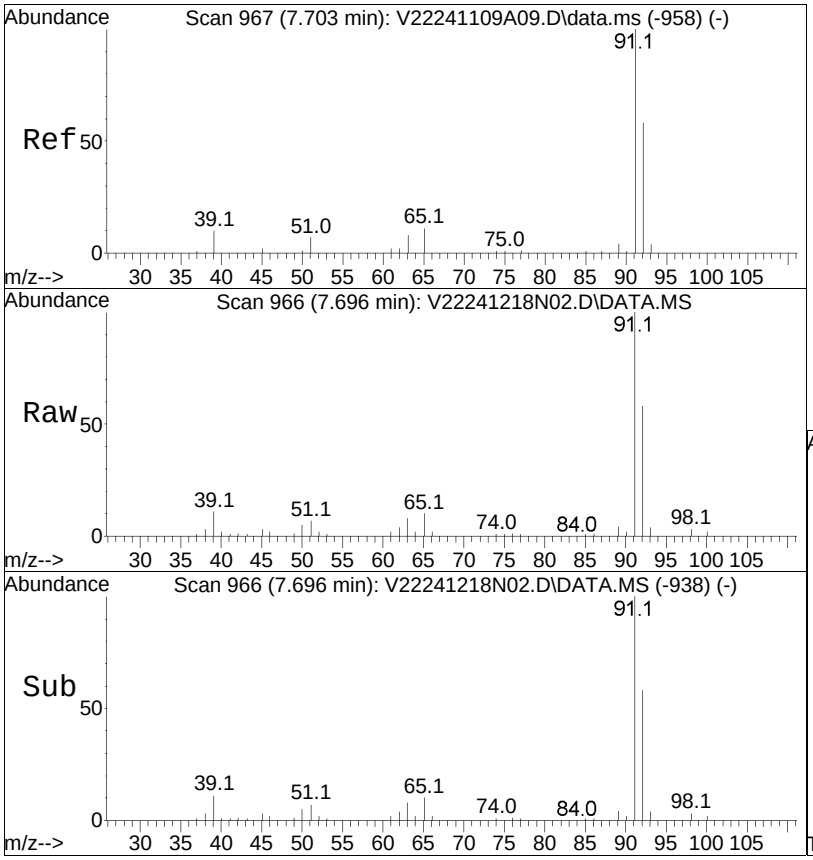


#61
cis-1,3-Dichloropropene
Concen: 9.02 ug/L
RT: 7.425 min Scan# 927
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 75 Resp: 63633

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	57.4	35.4	53.0#

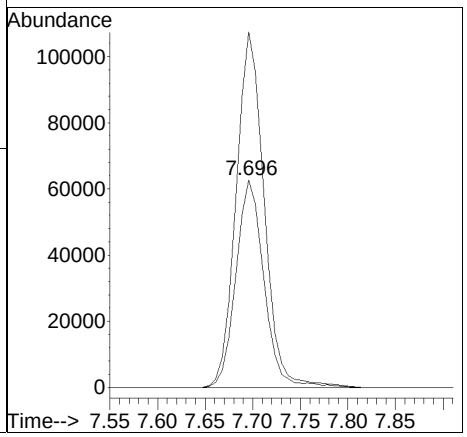


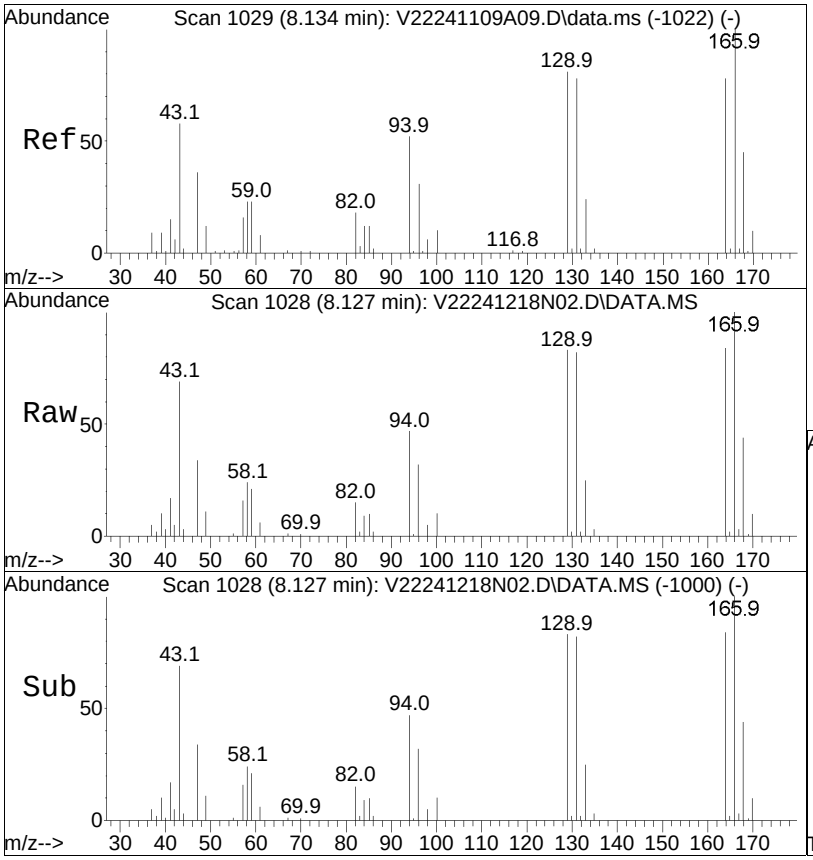


#64
Toluene
Concen: 9.54 ug/L
RT: 7.696 min Scan# 966
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 92 Resp: 128465

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.0	205.6

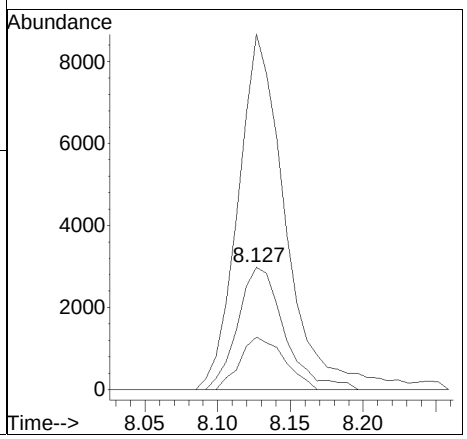


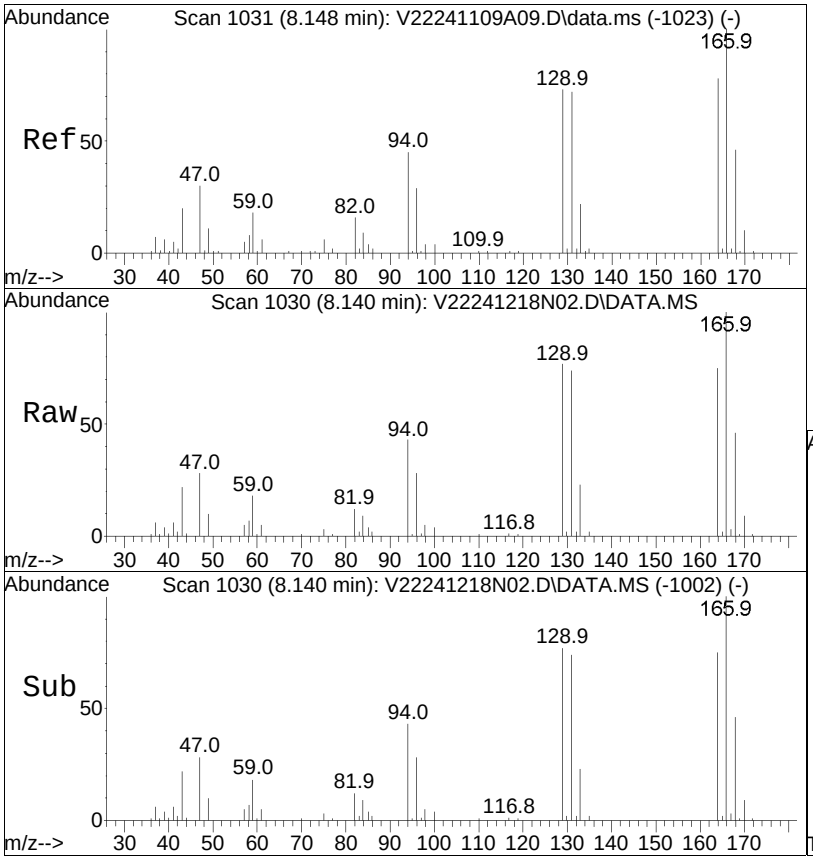


#65
4-Methyl-2-pentanone
Concen: 7.16 ug/L
RT: 8.127 min Scan# 1028
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 58 Resp: 6635

Ion	Ratio	Lower	Upper
58	100		
100	40.7	36.2	54.4
43	298.4	181.8	272.8#

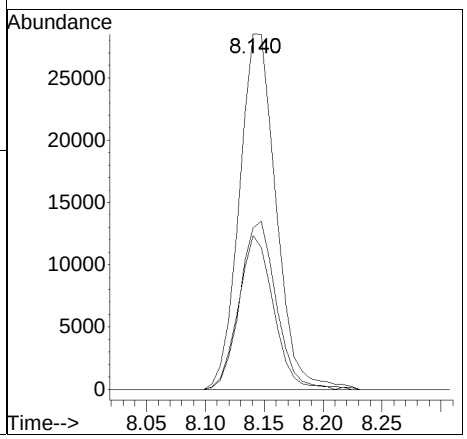


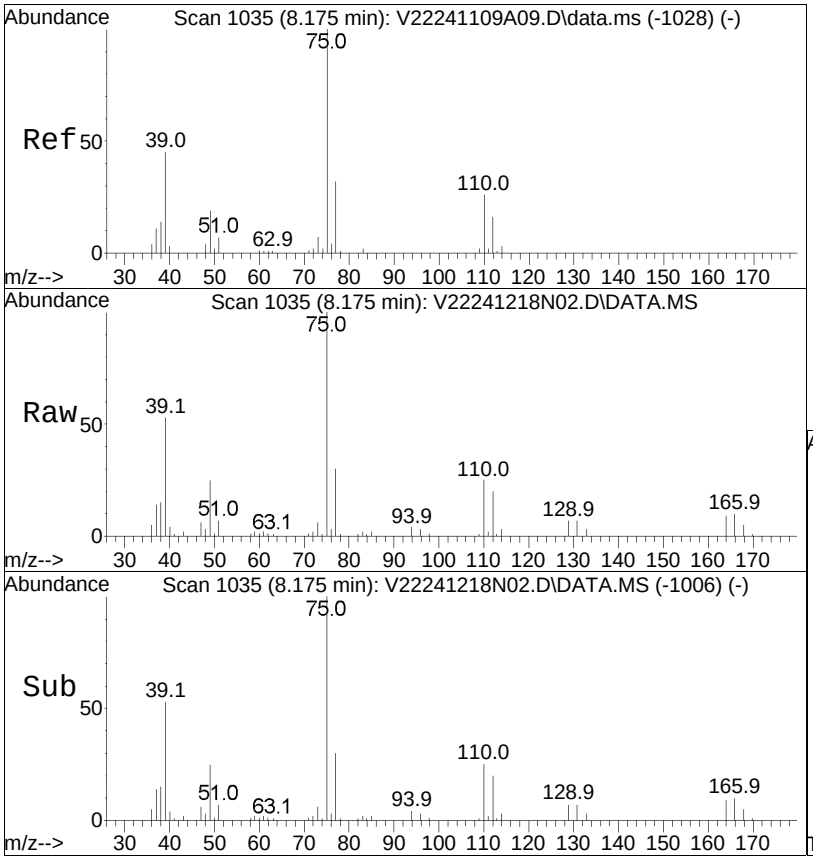


#66
Tetrachloroethene
Concen: 10.03 ug/L
RT: 8.140 min Scan# 1030
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:166 Resp: 61948

Ion	Ratio	Lower	Upper
166	100		
168	46.7	27.8	67.8
94	41.4	16.7	56.7

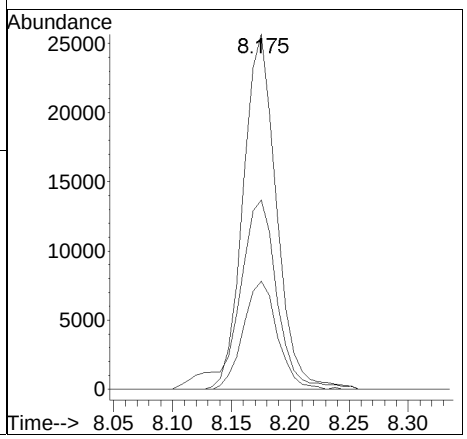


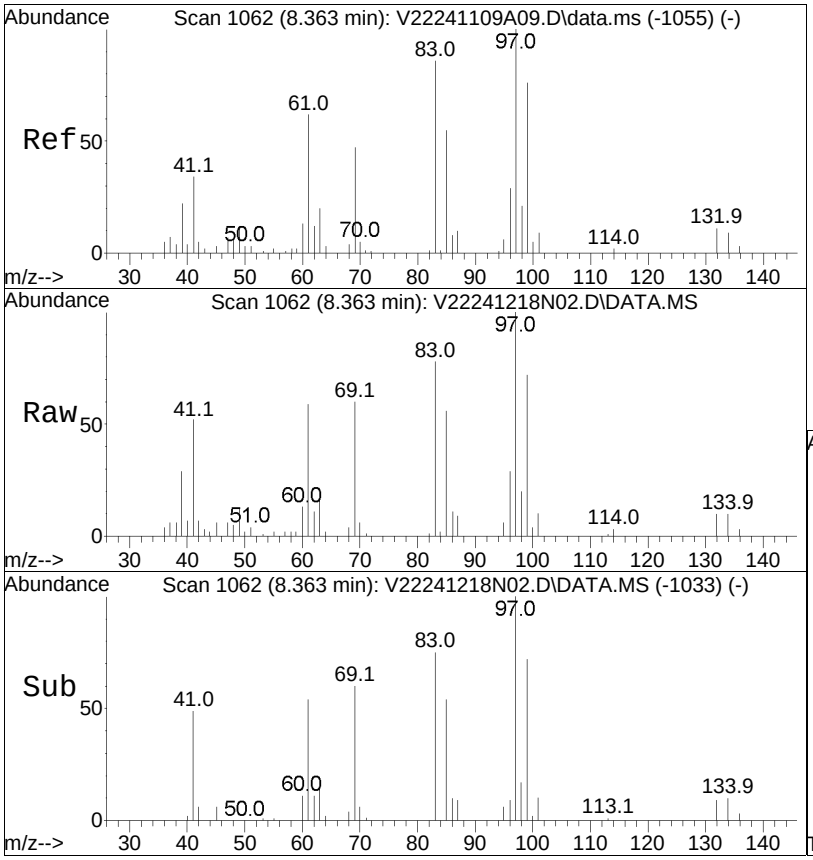


#68
trans-1,3-Dichloropropene
Concen: 8.23 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 75 Resp: 50616

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.9	51.9
39	61.2	27.4	67.4

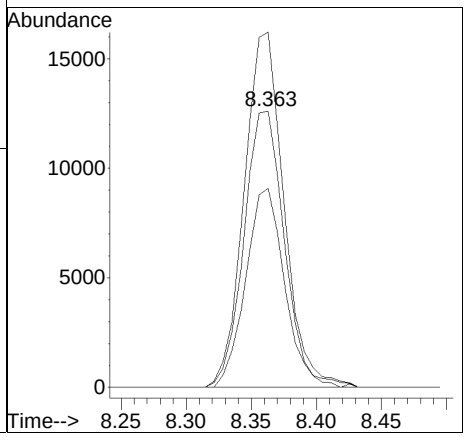


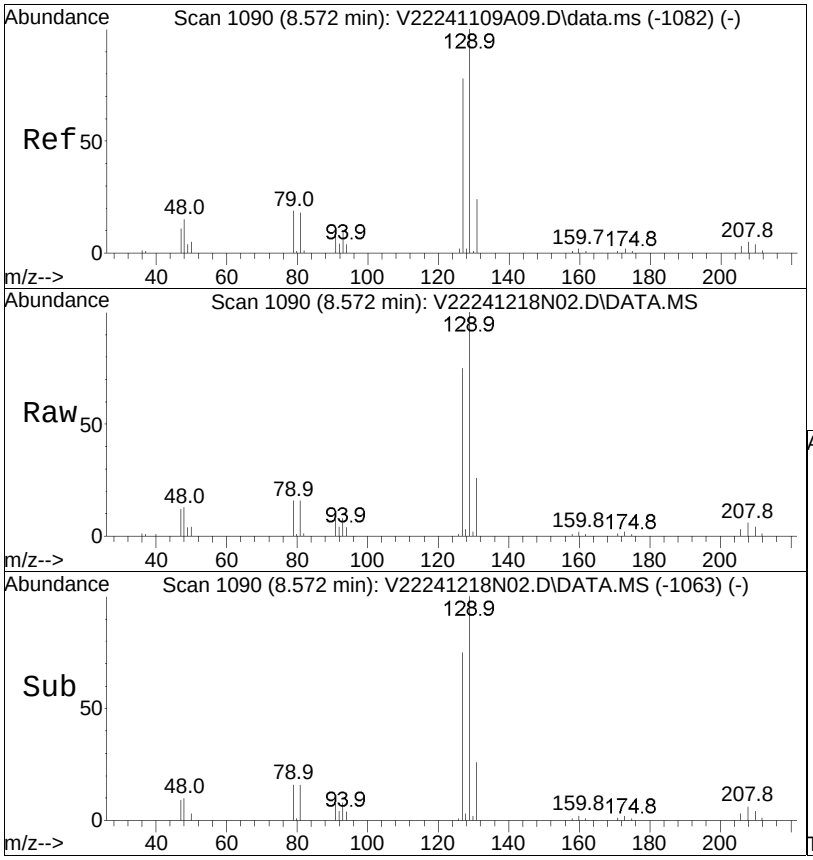


#71
1,1,2-Trichloroethane
Concen: 8.70 ug/L
RT: 8.363 min Scan# 1062
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 83 Resp: 27337

Ion	Ratio	Lower	Upper
83	100		
97	126.1	103.4	143.4
85	69.4	47.9	87.9

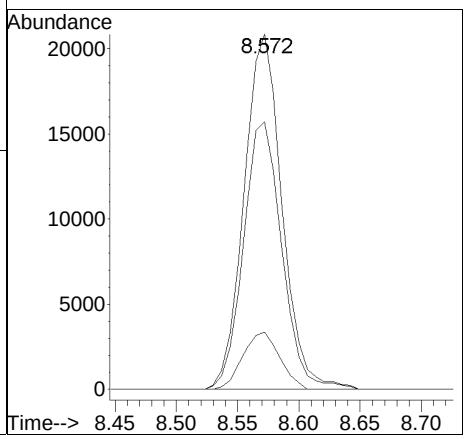


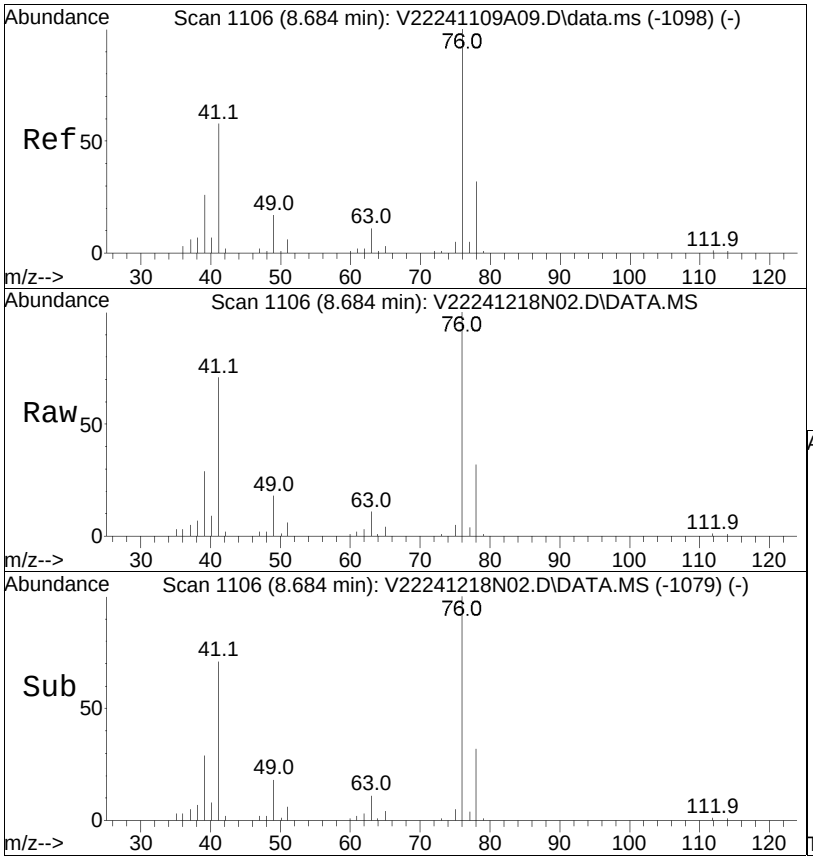


#72
Chlorodibromomethane
Concen: 8.68 ug/L
RT: 8.572 min Scan# 1090
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:129 Resp: 44932

Ion	Ratio	Lower	Upper
129	100		
81	15.7	0.0	33.8
127	76.1	57.1	97.1

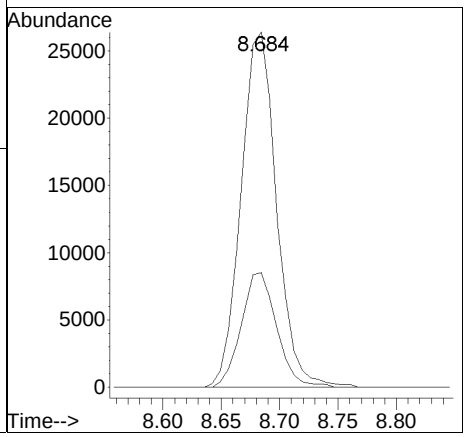


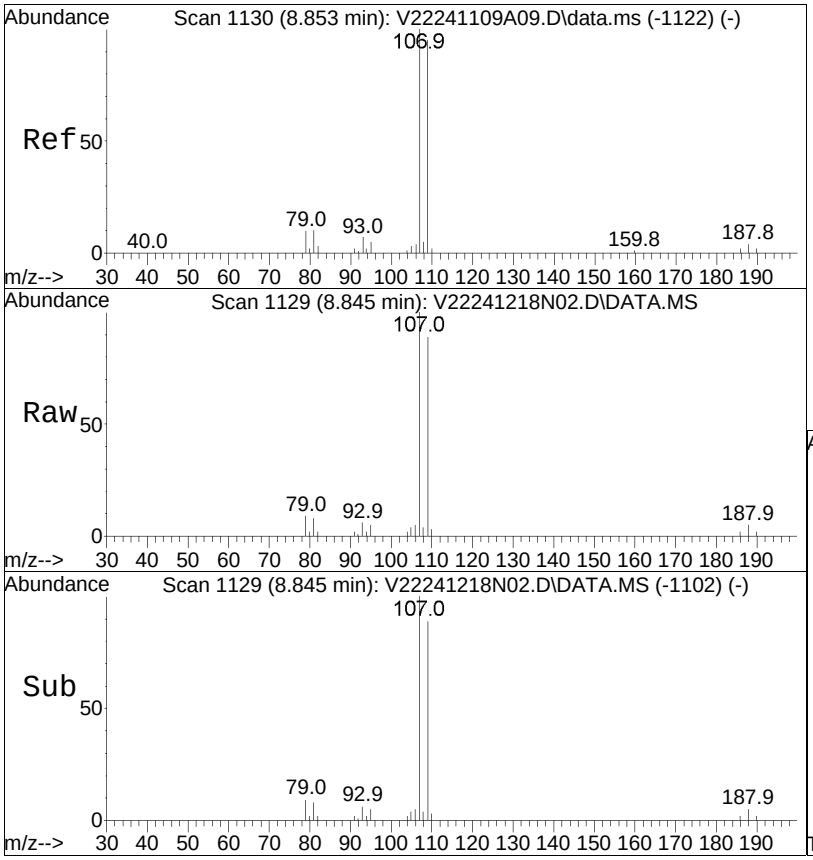


#73
1,3-Dichloropropane
Concen: 8.62 ug/L
RT: 8.684 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 76 Resp: 55869

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

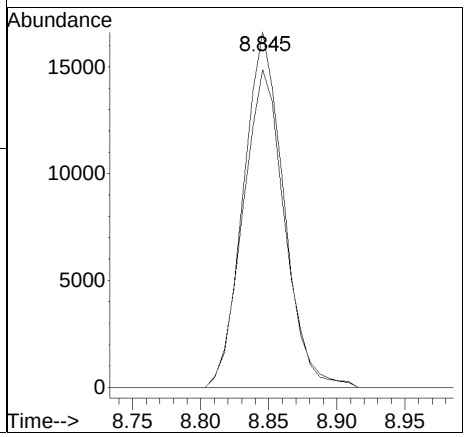


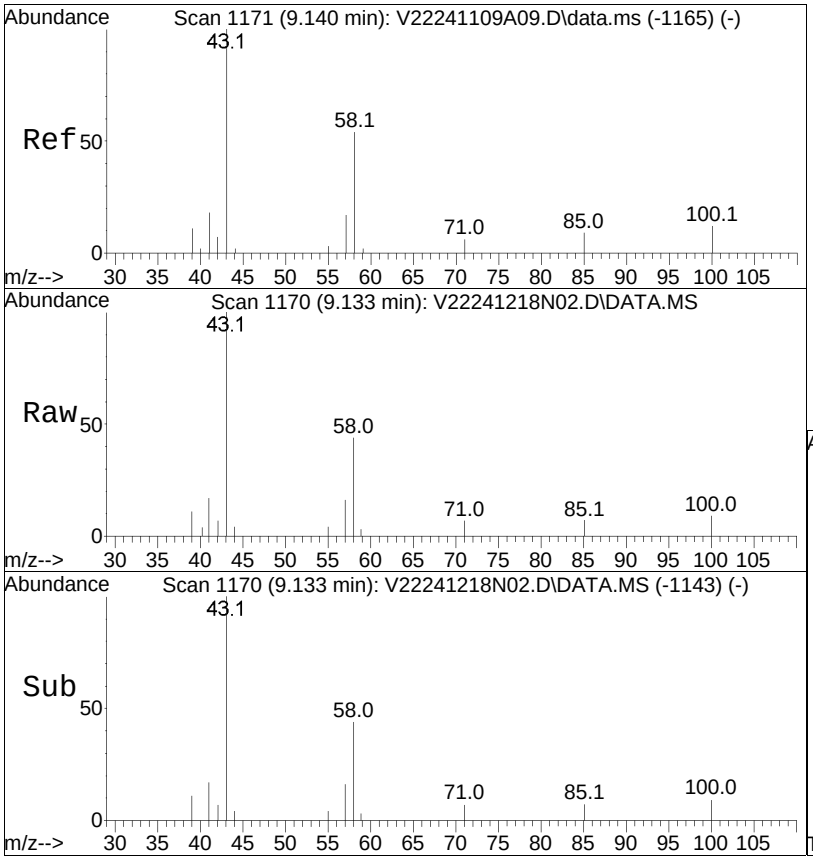


#74
1,2-Dibromoethane
Concen: 8.83 ug/L
RT: 8.845 min Scan# 1129
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:107 Resp: 34142

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.1	112.7

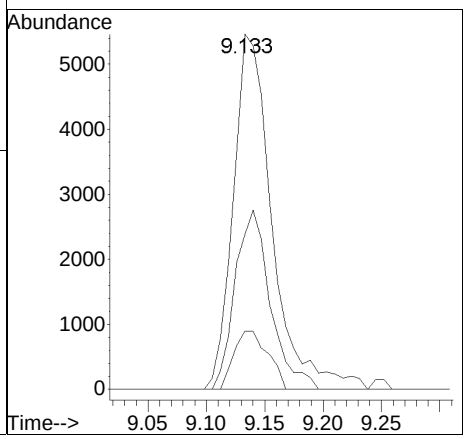


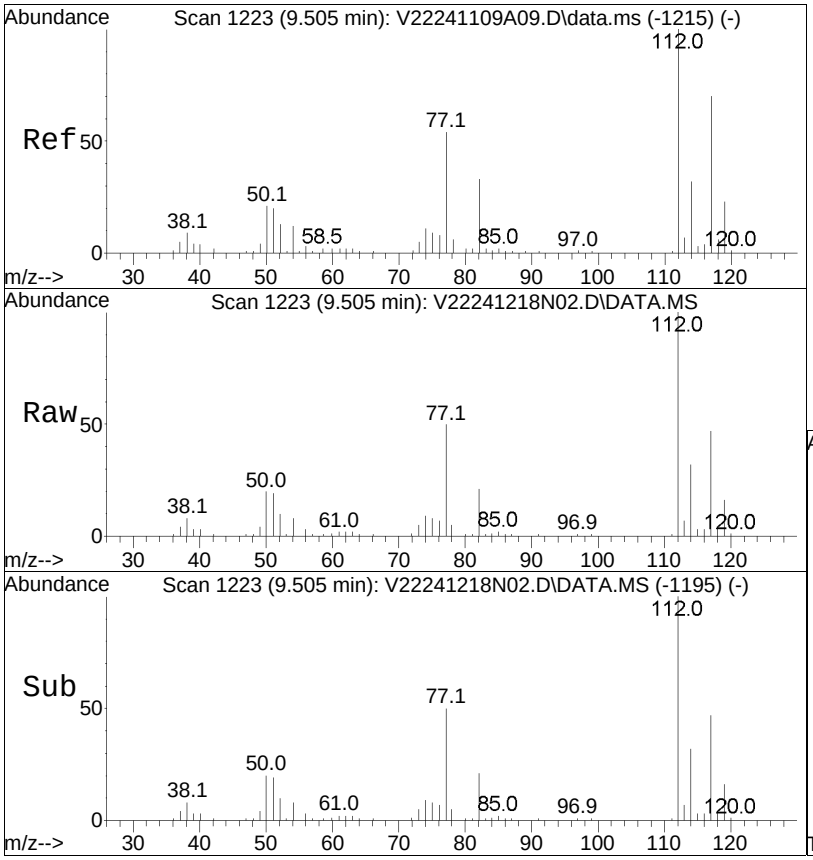


#76
2-Hexanone
Concen: 8.41 ug/L
RT: 9.133 min Scan# 1170
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 43 Resp: 12671

Ion	Ratio	Lower	Upper
43	100		
58	45.8	47.6	71.4#
57	14.4	16.6	24.8#

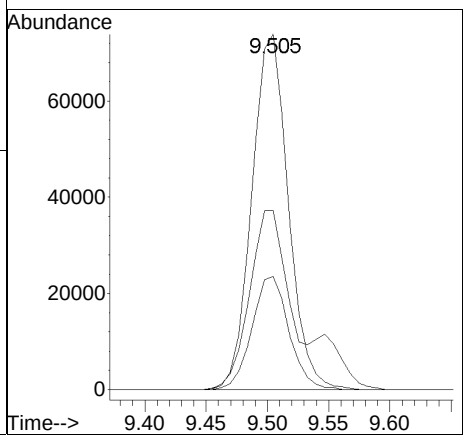


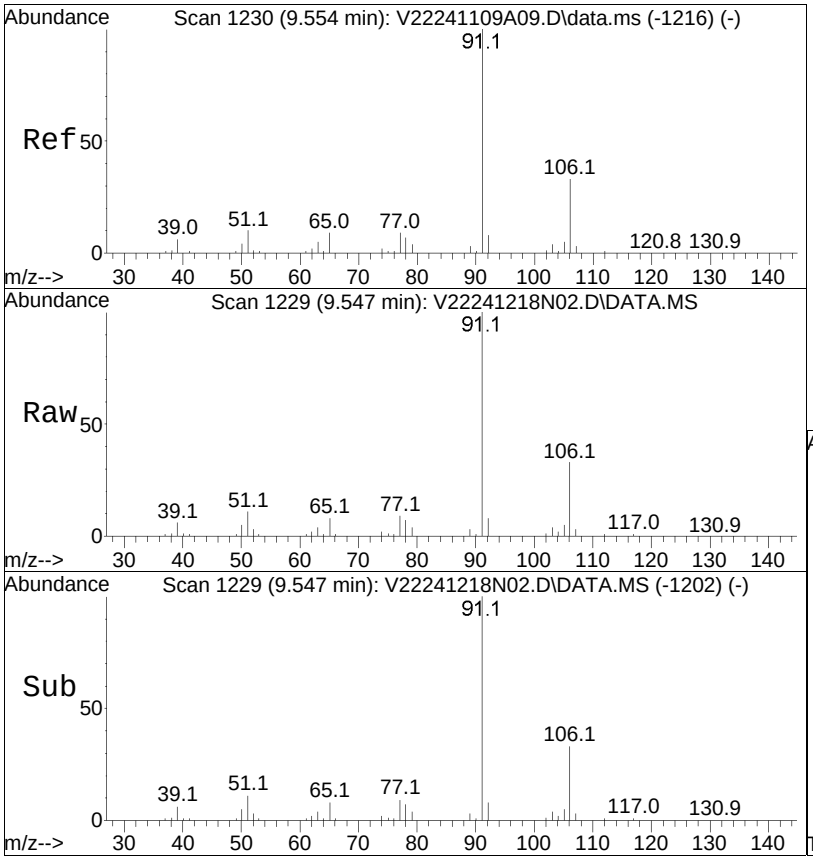


#77
Chlorobenzene
Concen: 9.81 ug/L
RT: 9.505 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:112 Resp: 152565

Ion	Ratio	Lower	Upper
112	100		
77	54.4	55.4	83.0#
114	32.2	26.2	39.4

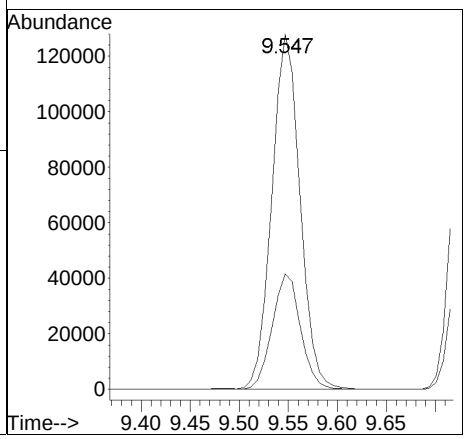


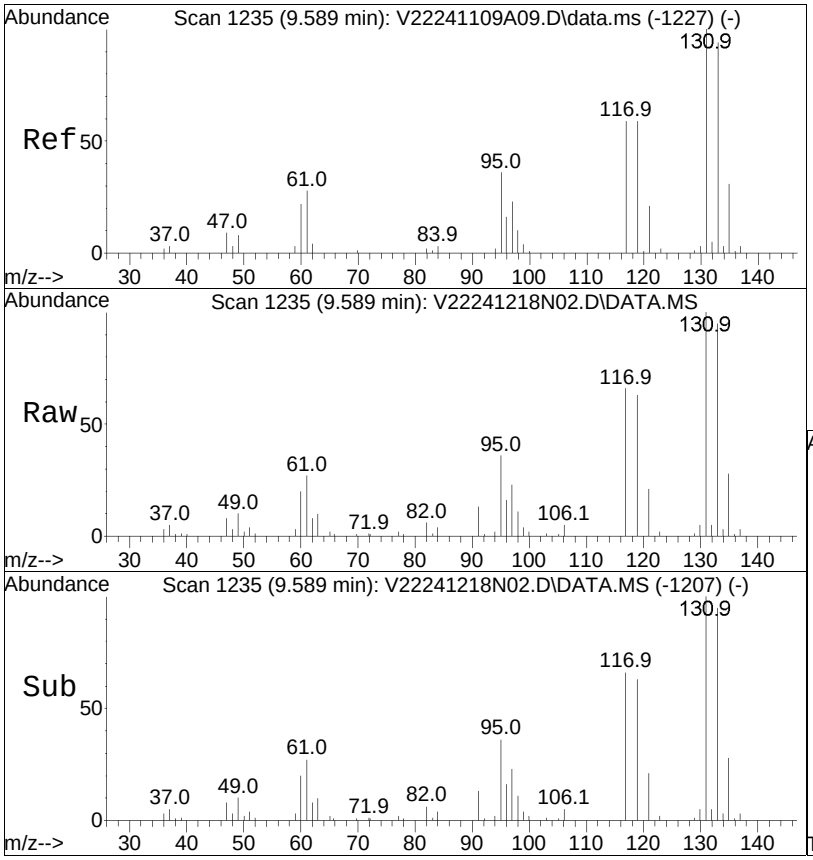


#78
Ethylbenzene
Concen: 9.55 ug/L
RT: 9.547 min Scan# 1229
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 91 Resp: 255955

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.6

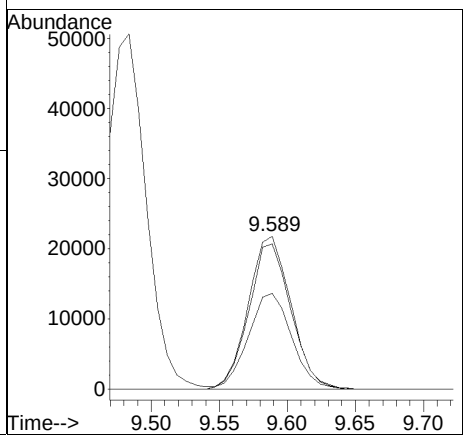


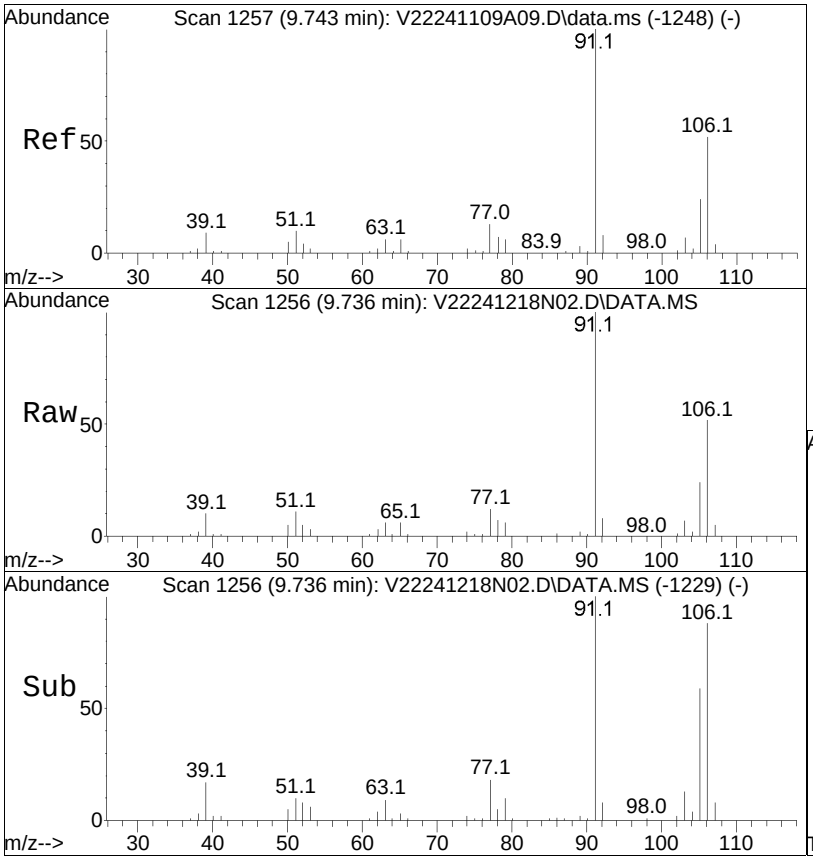


#79
1,1,1,2-Tetrachloroethane
Concen: 9.07 ug/L
RT: 9.589 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:131 Resp: 47809

Ion	Ratio	Lower	Upper
131	100		
133	94.0	75.3	115.3
119	63.7	49.3	89.3

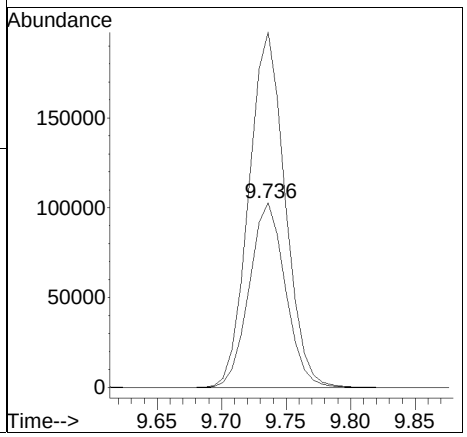


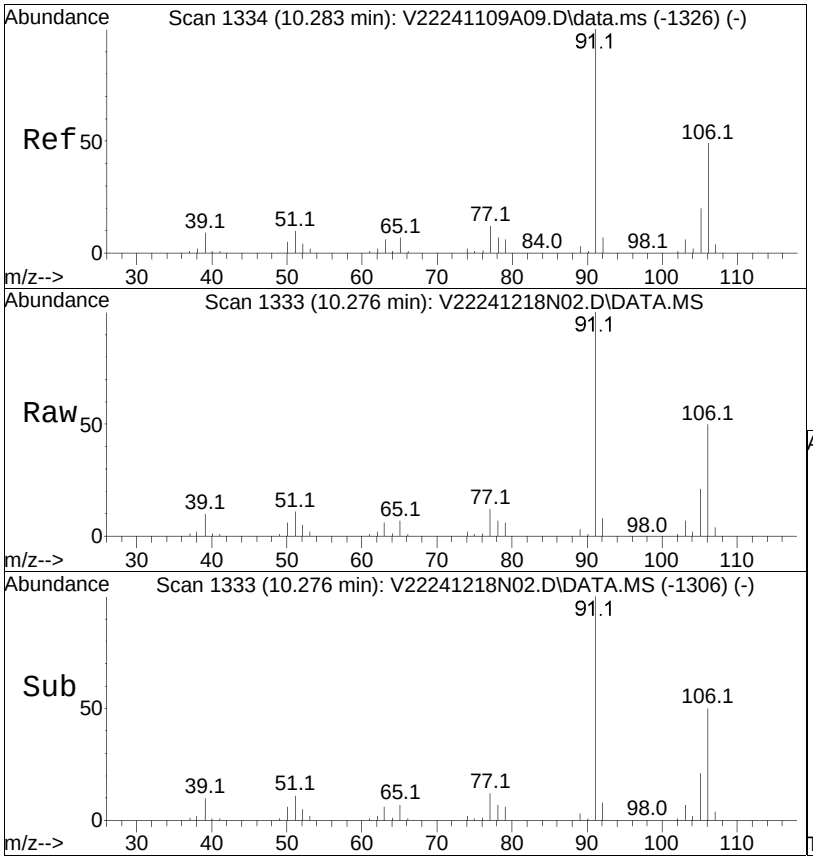


#80
p/m Xylene
Concen: 18.13 ug/L
RT: 9.736 min Scan# 1256
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:106 Resp: 200405

Ion	Ratio	Lower	Upper
106	100		
91	193.0	156.0	234.0

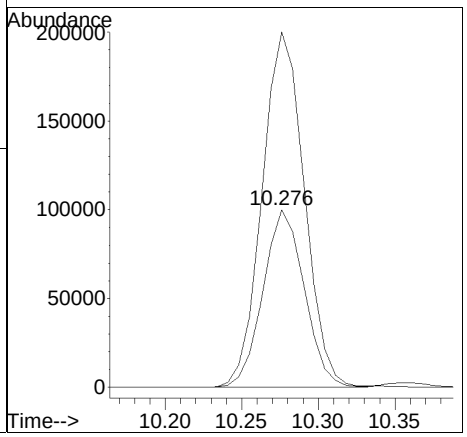


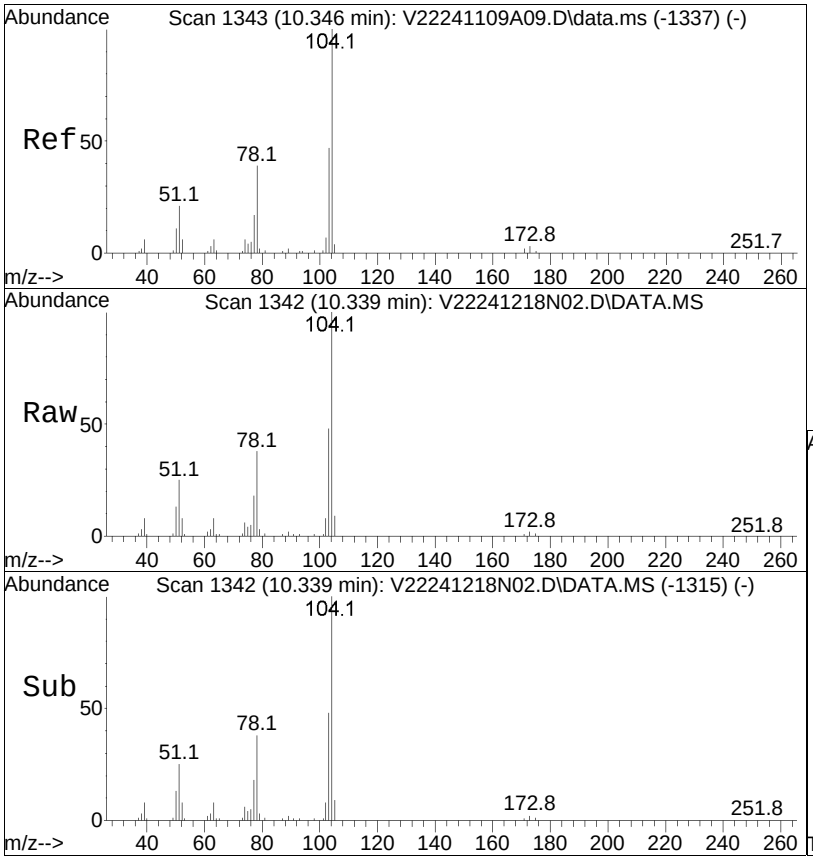


#81
o Xylene
Concen: 17.81 ug/L
RT: 10.276 min Scan# 1333
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:106 Resp: 187612

Ion	Ratio	Lower	Upper
106	100		
91	204.2	164.0	246.0

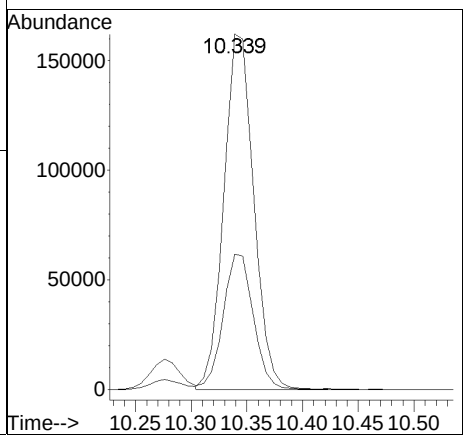


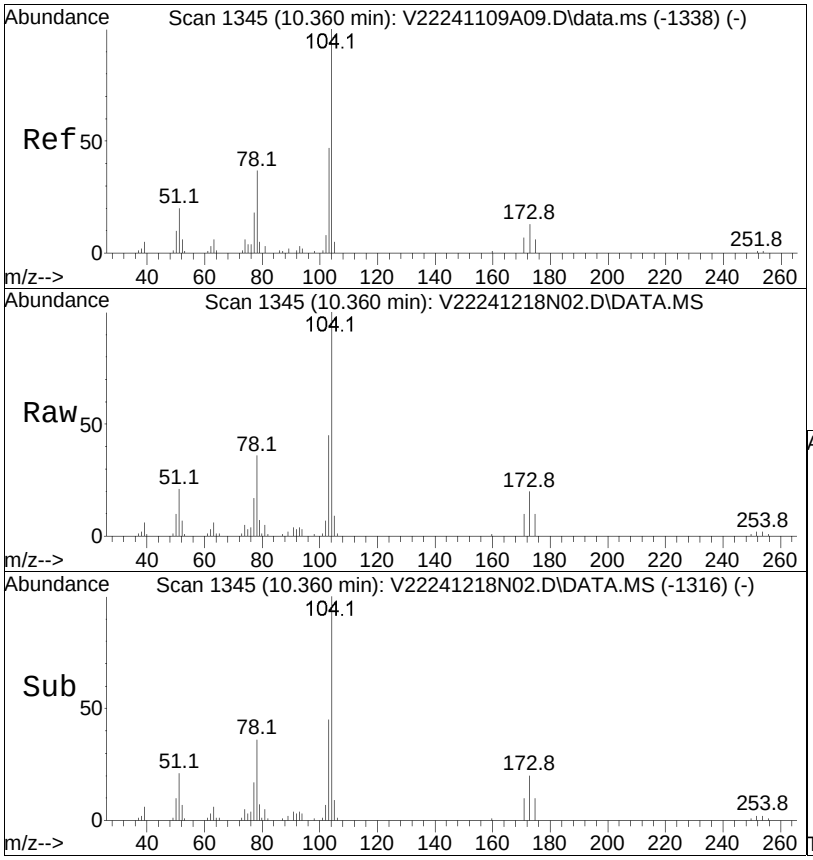


#82
Styrene
Concen: 17.89 ug/L
RT: 10.339 min Scan# 1342
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:104 Resp: 303022

Ion	Ratio	Lower	Upper
104	100		
78	38.4	32.1	48.1

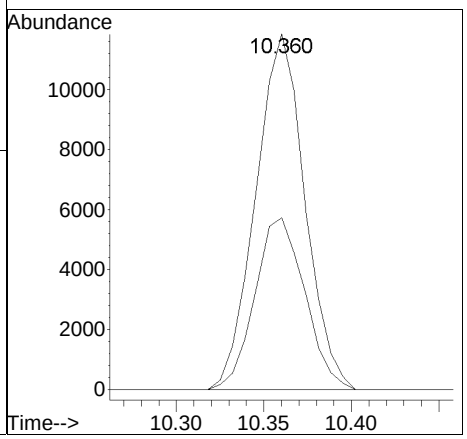


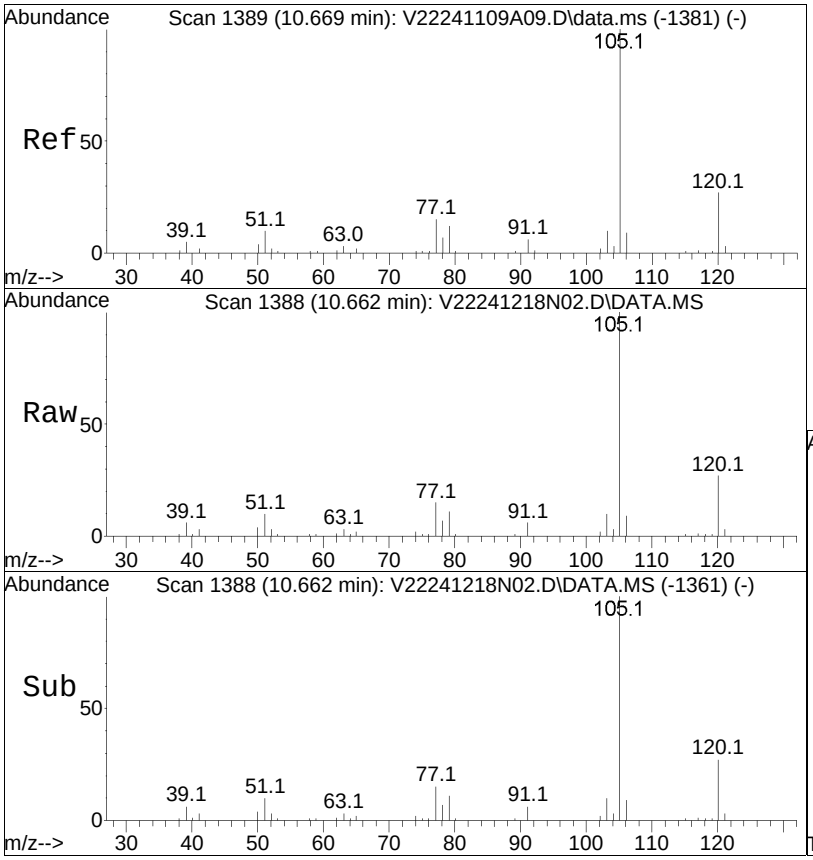


#84
Bromoform
Concen: 8.08 ug/L
RT: 10.360 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:173 Resp: 23126

Ion	Ratio	Lower	Upper
173	100		
175	48.9	29.3	69.3

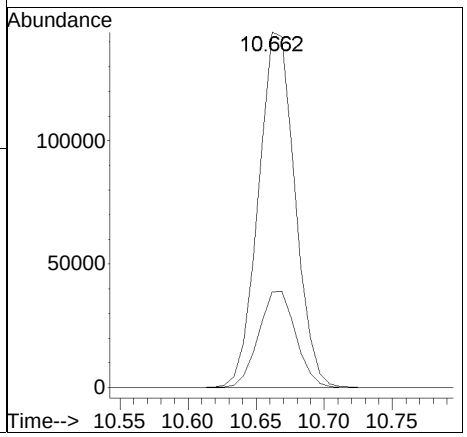


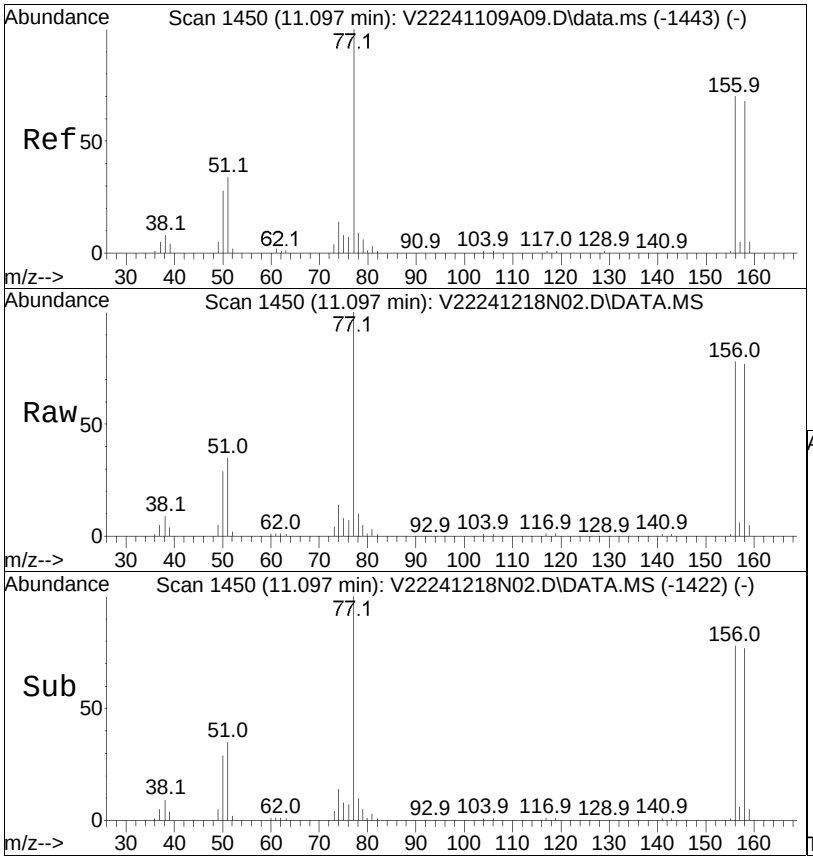


#86
Isopropylbenzene
Concen: 9.86 ug/L
RT: 10.662 min Scan# 1388
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:105 Resp: 268503

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.7	47.7

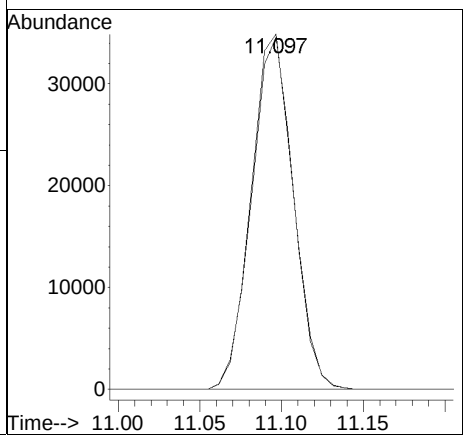


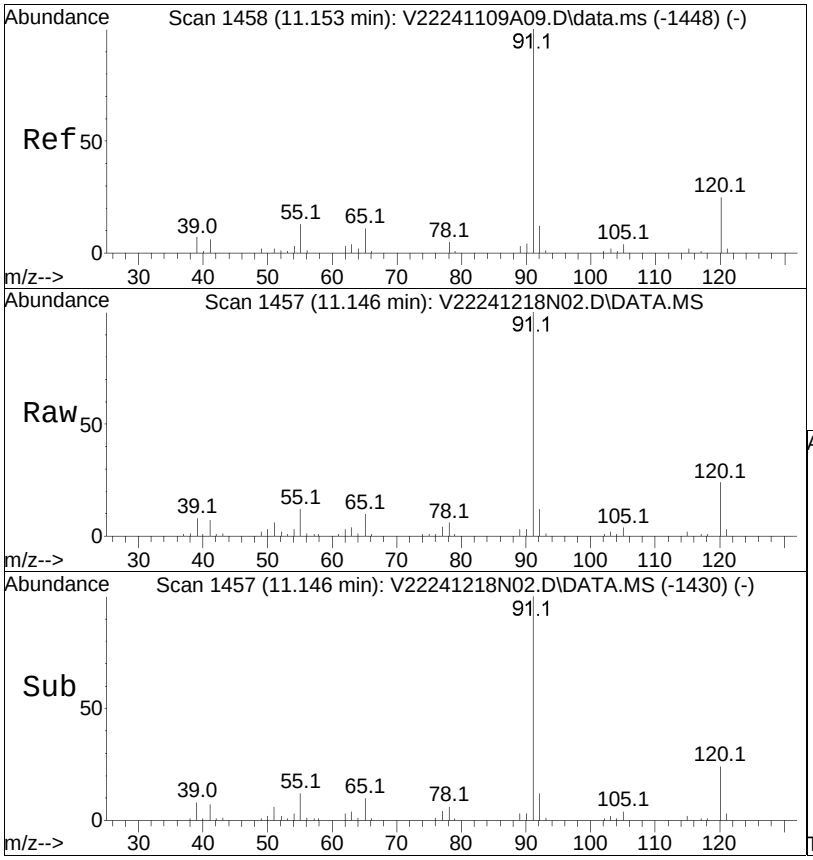


#88
Bromobenzene
Concen: 9.78 ug/L
RT: 11.097 min Scan# 1450
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:156 Resp: 62484

Ion	Ratio	Lower	Upper
156	100		
158	98.4	77.9	116.9

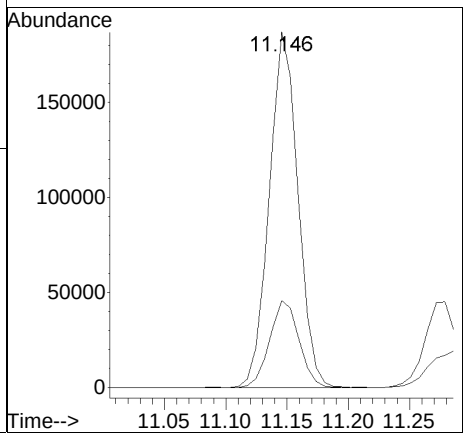


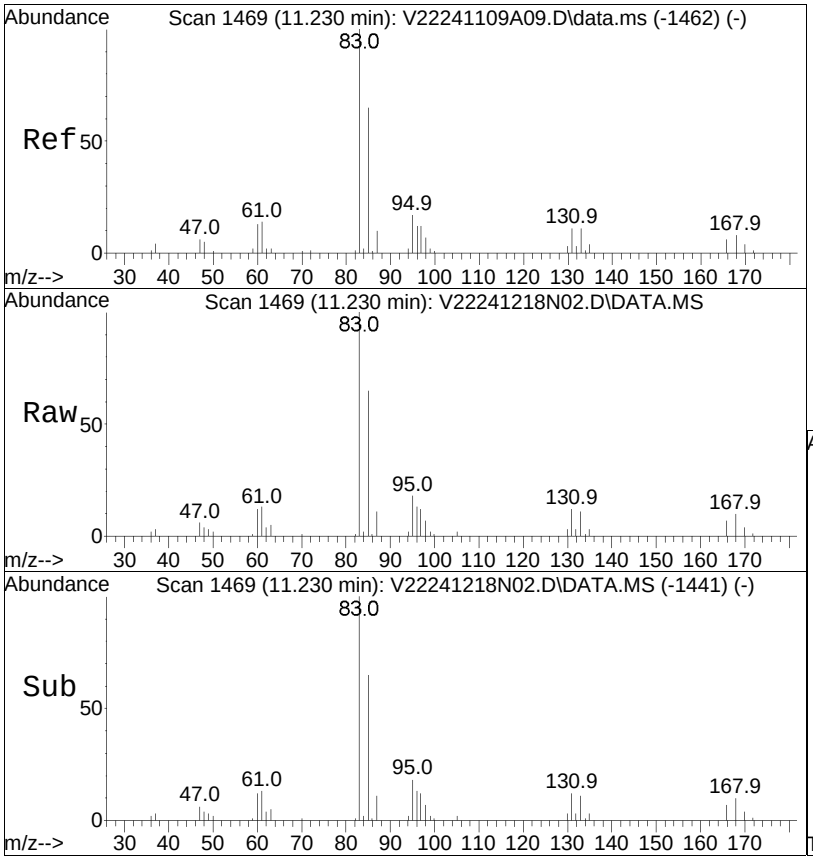


#89
n-Propylbenzene
Concen: 9.59 ug/L
RT: 11.146 min Scan# 1457
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 91 Resp: 303690

Ion	Ratio	Lower	Upper
91	100		
120	24.9	19.5	29.3

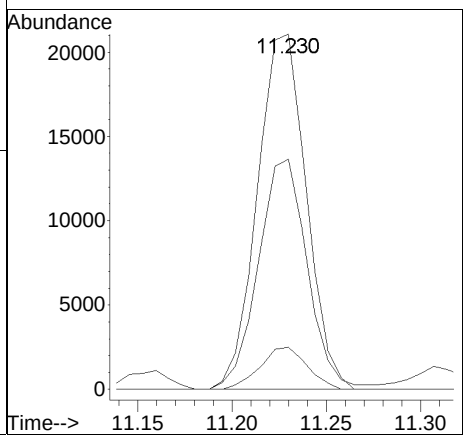


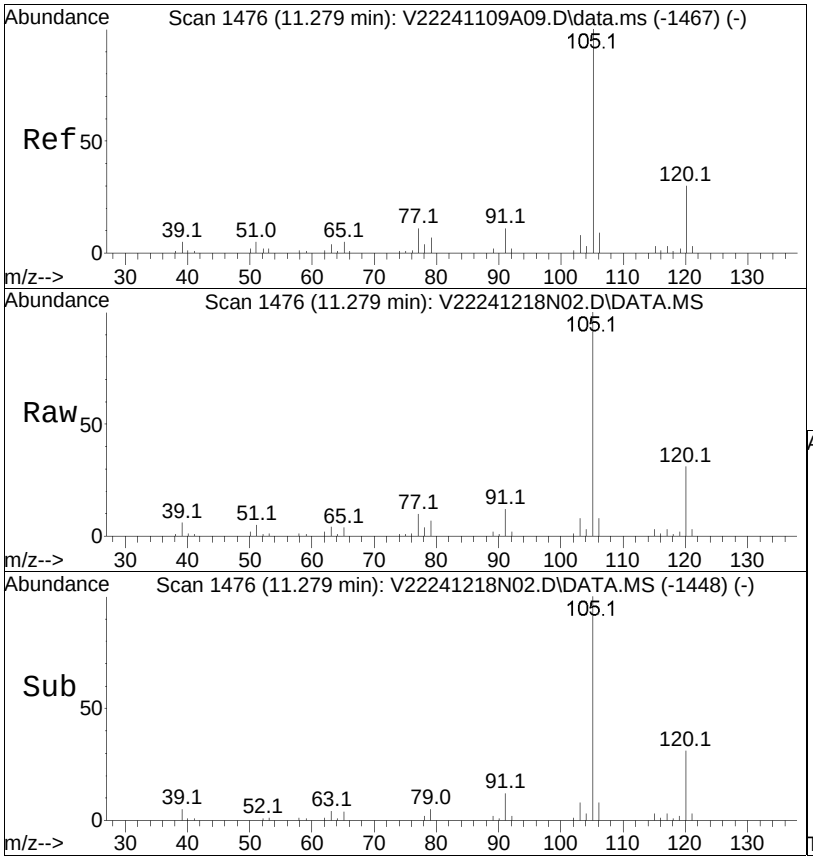


#91
1,1,2,2-Tetrachloroethane
Concen: 8.97 ug/L
RT: 11.230 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 83 Resp: 38028

Ion	Ratio	Lower	Upper
83	100		
131	11.5	0.0	30.8
85	64.9	45.4	85.4

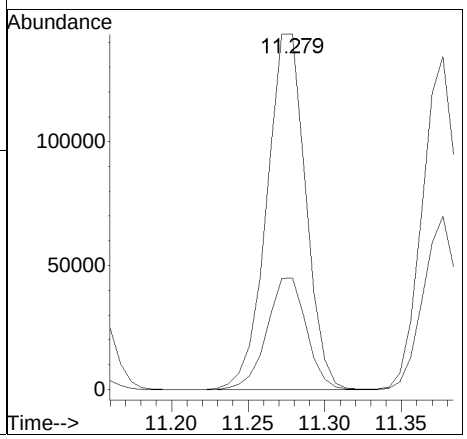


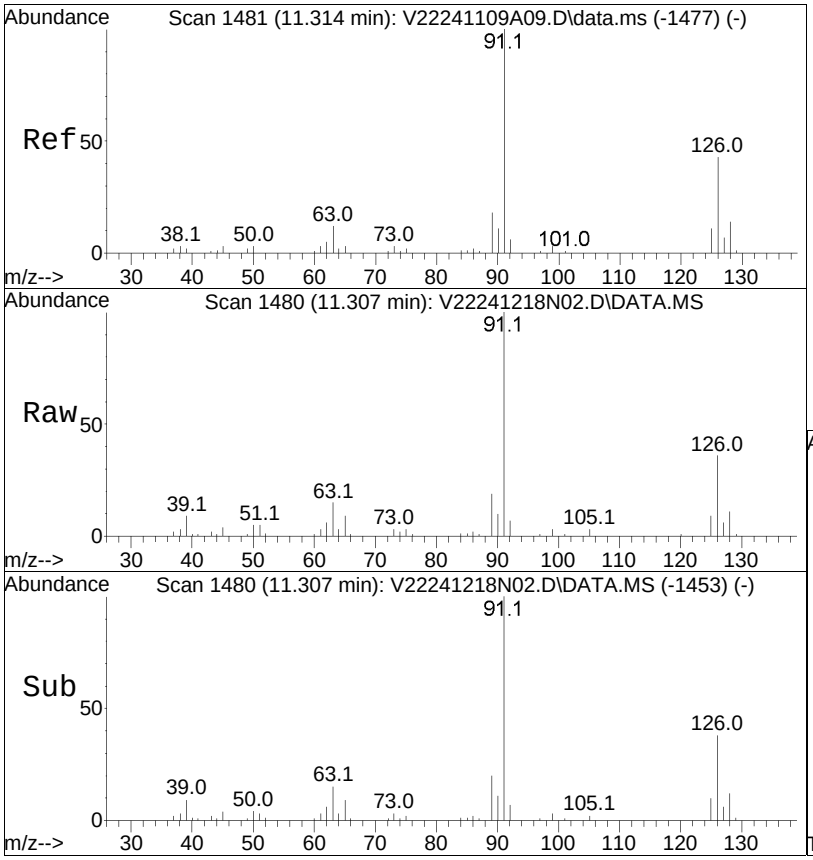


#92
4-Ethyltoluene
Concen: 9.56 ug/L
RT: 11.279 min Scan# 1476
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:105 Resp: 254012

Ion	Ratio	Lower	Upper
105	100		
120	31.6	19.8	41.0

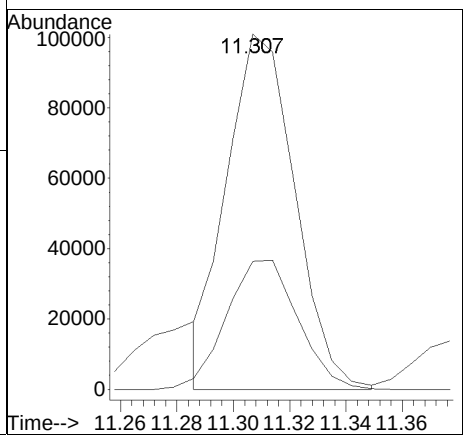


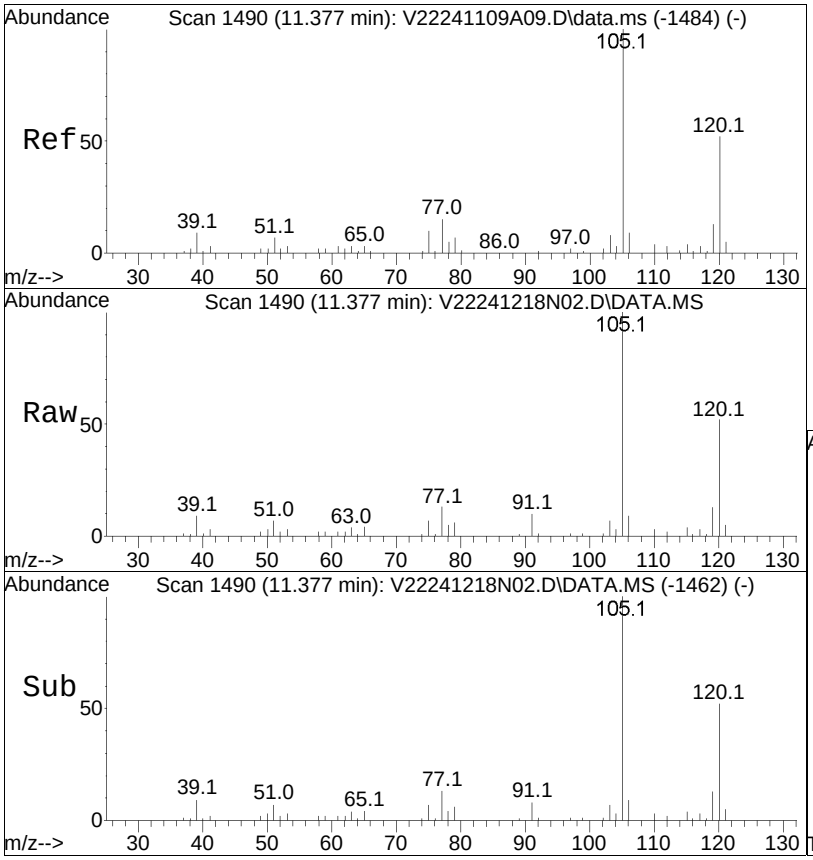


#93
2-Chlorotoluene
Concen: 9.46 ug/L M6
RT: 11.307 min Scan# 1480
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 91 Resp: 170319

Ion	Ratio	Lower	Upper
91	100		
126	38.2	24.6	37.0#

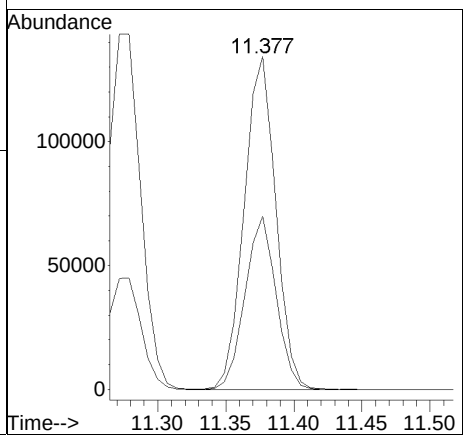


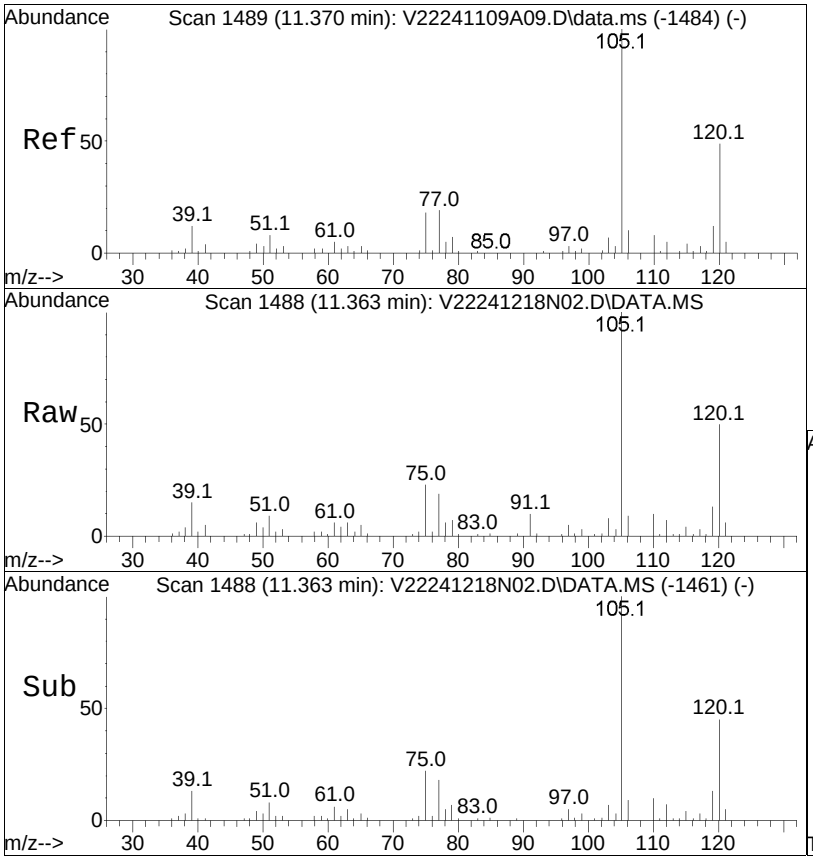


#94
1,3,5-Trimethylbenzene
Concen: 9.37 ug/L
RT: 11.377 min Scan# 1490
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:105 Resp: 216749

Ion	Ratio	Lower	Upper
105	100		
120	51.1	40.9	61.3

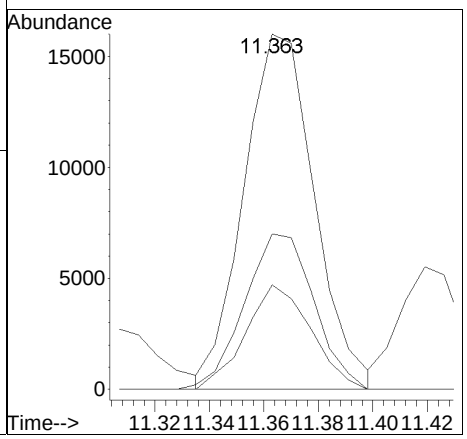


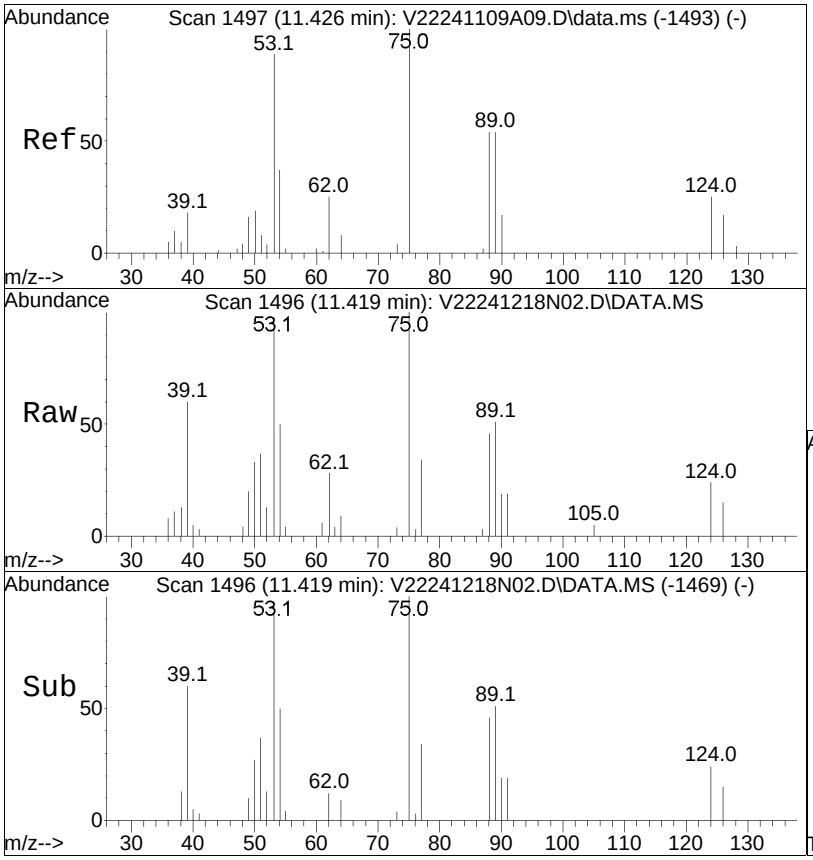


#95
1,2,3-Trichloropropane
Concen: 8.51 ug/L
RT: 11.363 min Scan# 1488
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 75 Resp: 28873

Ion	Ratio	Lower	Upper
75	100		
110	43.0	26.3	54.7
112	27.2	16.8	35.0

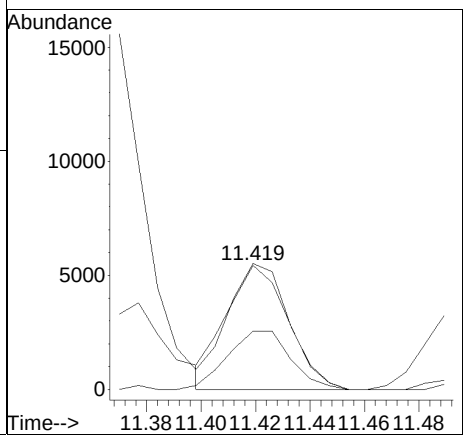


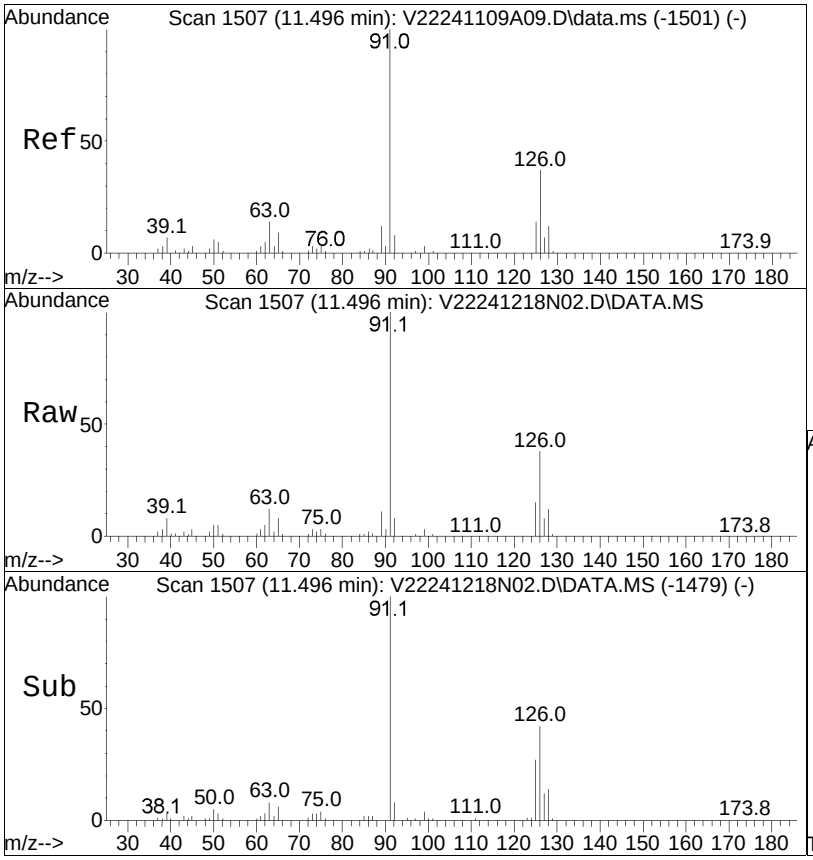


#96
trans-1,4-Dichloro-2-butene
Concen: 8.05 ug/L
RT: 11.419 min Scan# 1496
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 53 Resp: 8589

Ion	Ratio	Lower	Upper
53	100		
88	48.1	46.3	69.5
75	101.2	109.0	163.4#

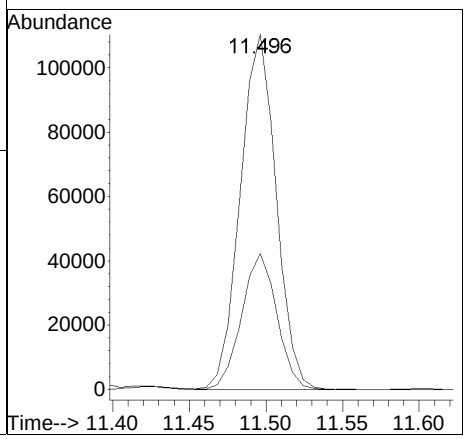


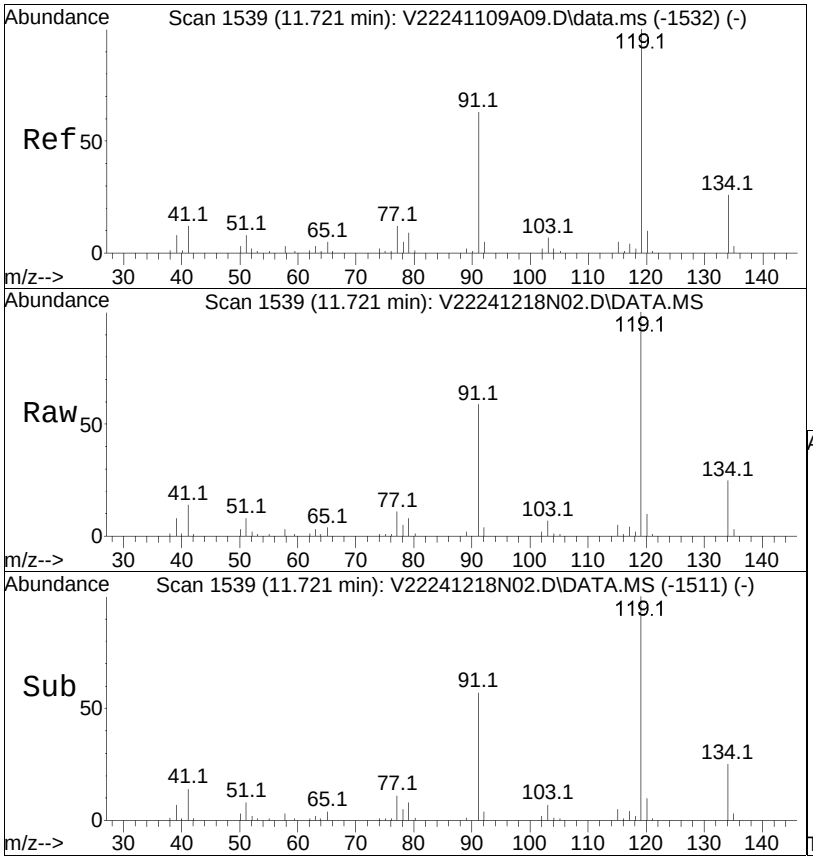


#97
4-Chlorotoluene
Concen: 9.56 ug/L
RT: 11.496 min Scan# 1507
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 91 Resp: 179445

Ion	Ratio	Lower	Upper
91	100		
126	37.6	28.5	42.7

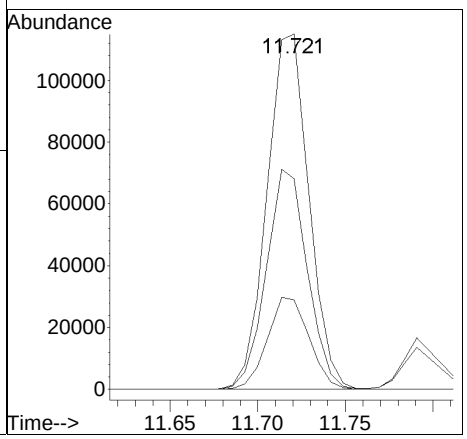


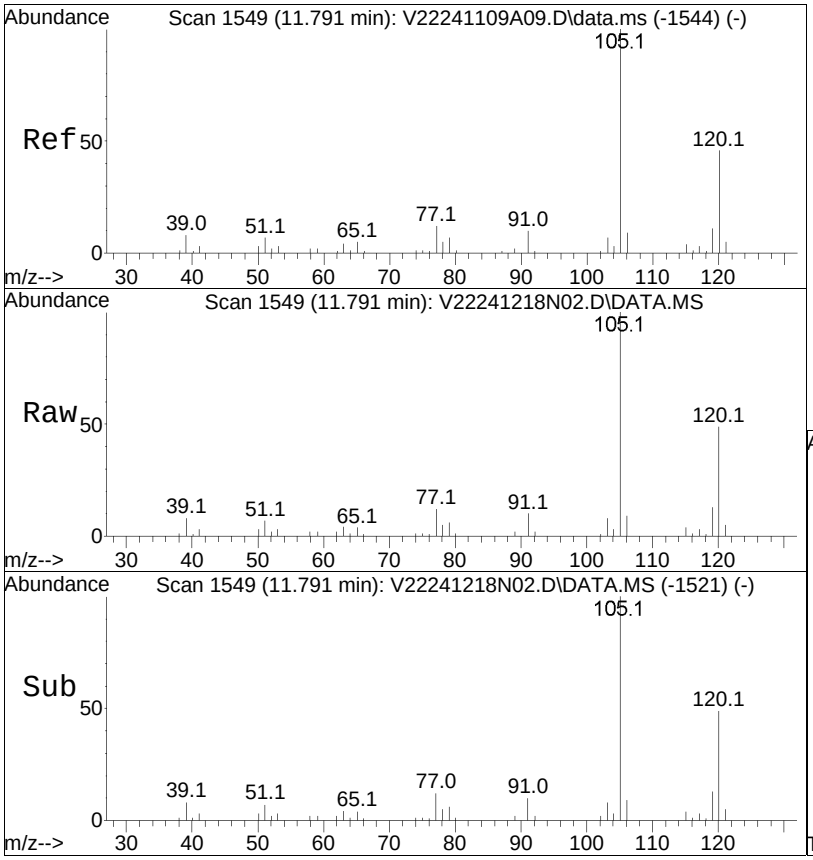


#98
tert-Butylbenzene
Concen: 9.64 ug/L
RT: 11.721 min Scan# 1539
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:119 Resp: 191690

Ion	Ratio	Lower	Upper
119	100		
91	60.7	50.2	75.4
134	25.8	20.8	31.2

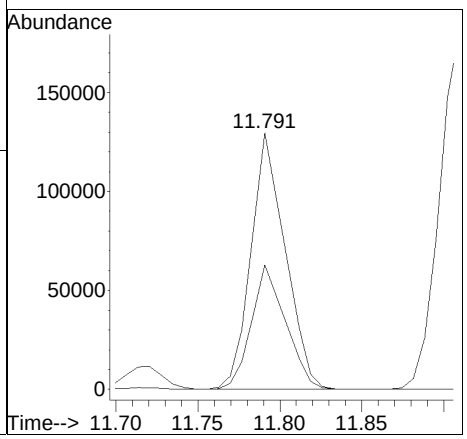


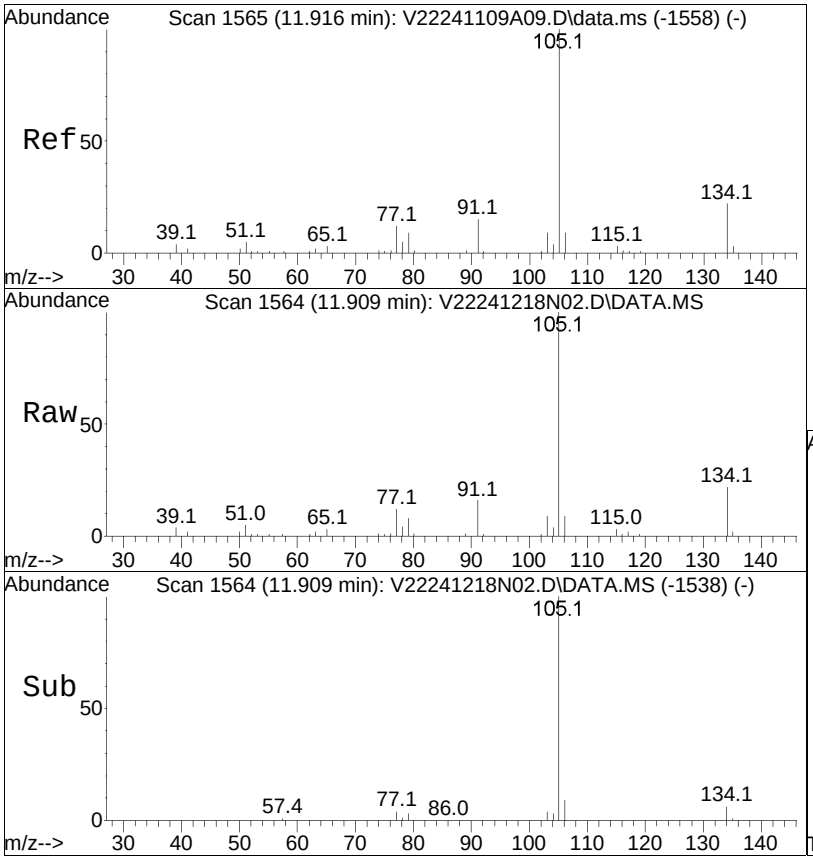


#101
1,2,4-Trimethylbenzene
Concen: 10.64 ug/L
RT: 11.791 min Scan# 1549
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:105 Resp: 139769

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.5	57.7

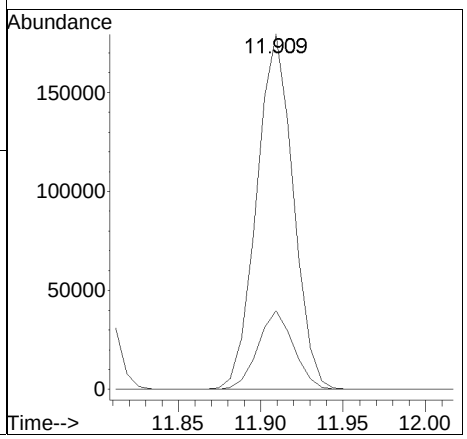


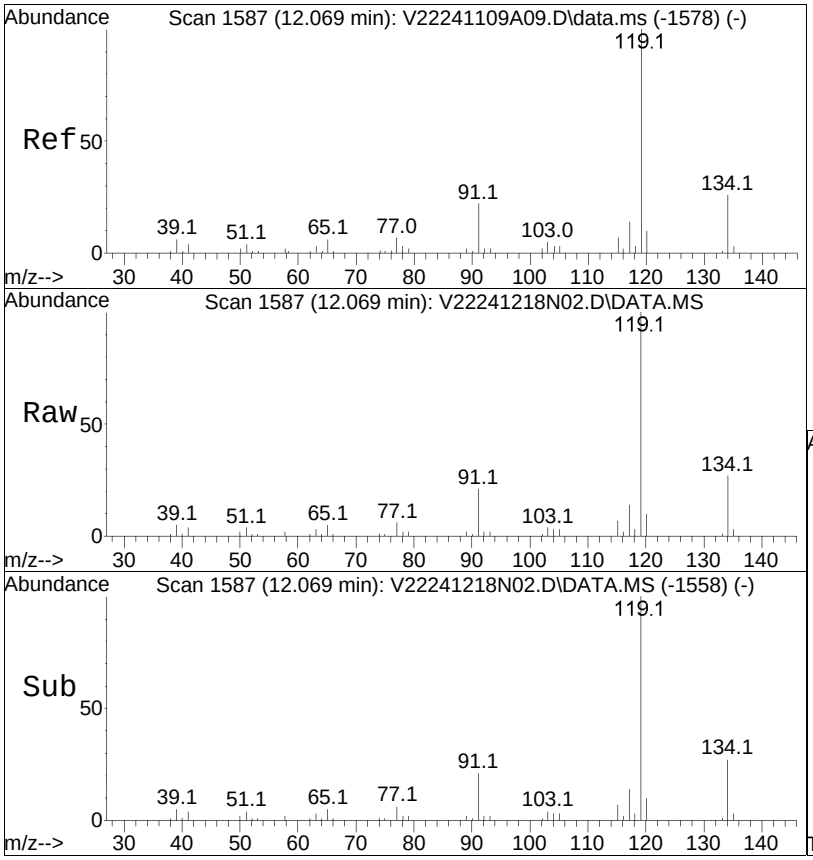


#102
sec-Butylbenzene
Concen: 9.85 ug/L
RT: 11.909 min Scan# 1564
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:105 Resp: 277174

Ion	Ratio	Lower	Upper
105	100		
134	21.6	13.9	28.9

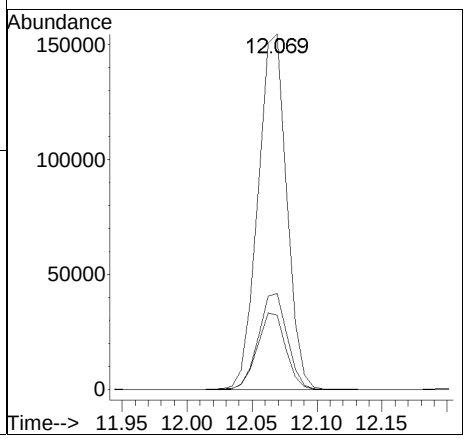


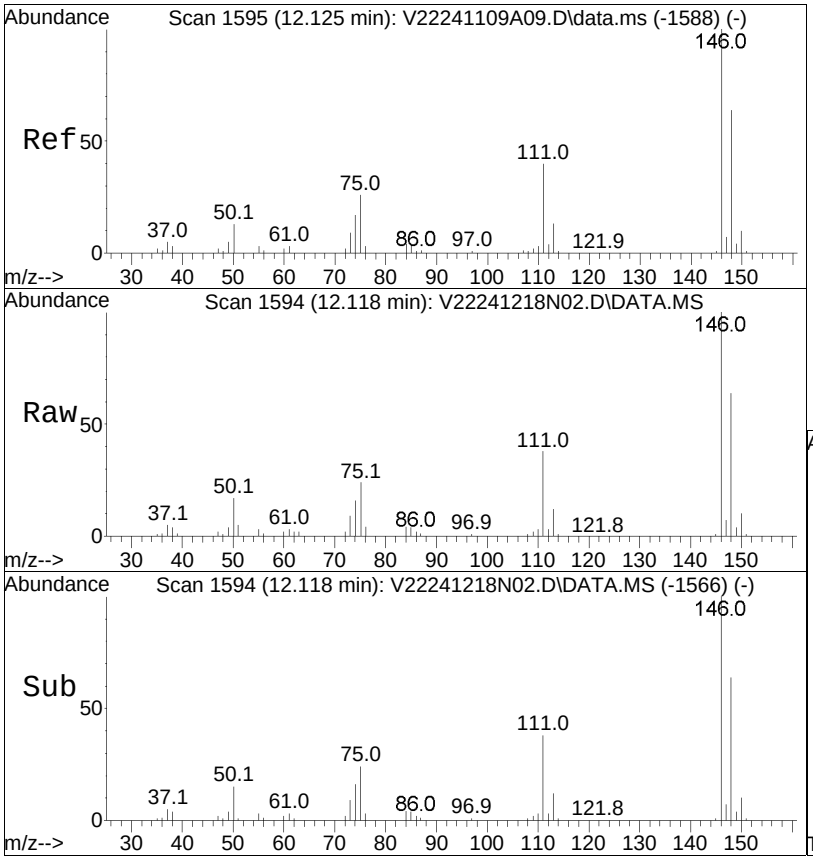


#103
p-Isopropyltoluene
Concen: 9.67 ug/L
RT: 12.069 min Scan# 1587
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:119 Resp: 238212

Ion	Ratio	Lower	Upper
119	100		
134	27.0	17.7	36.7
91	21.3	14.1	29.3

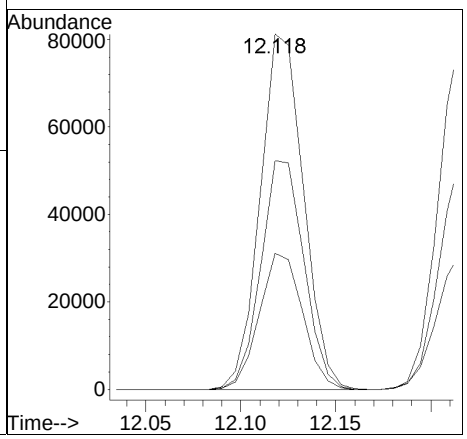


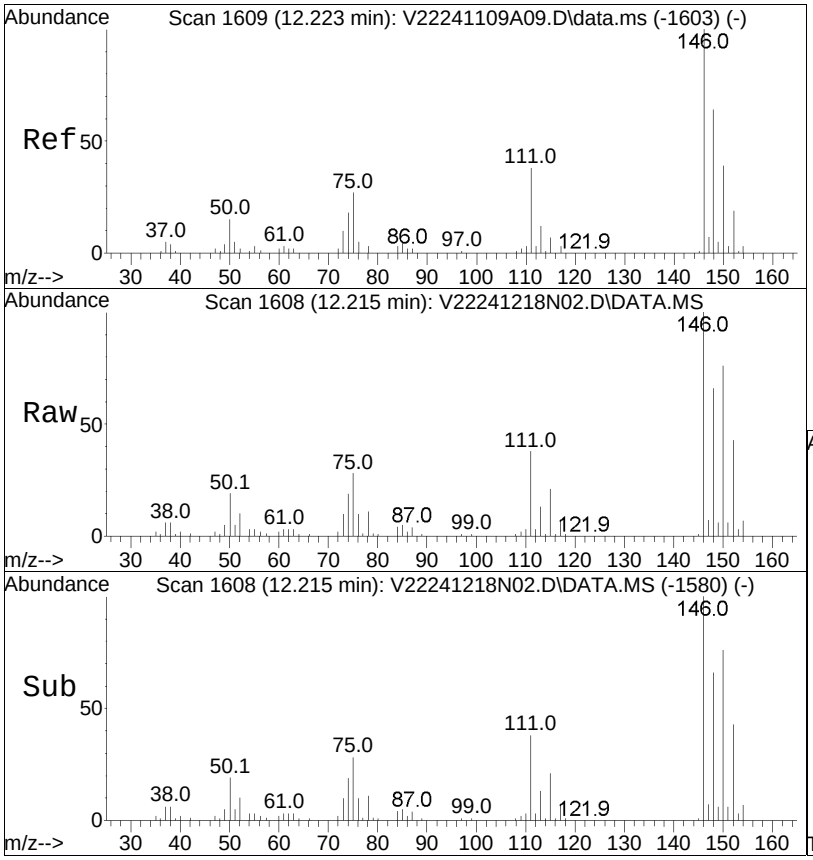


#104
1,3-Dichlorobenzene
Concen: 9.95 ug/L
RT: 12.118 min Scan# 1594
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:146 Resp: 128873

Ion	Ratio	Lower	Upper
146	100		
111	38.3	24.0	49.8
148	64.0	41.8	86.8

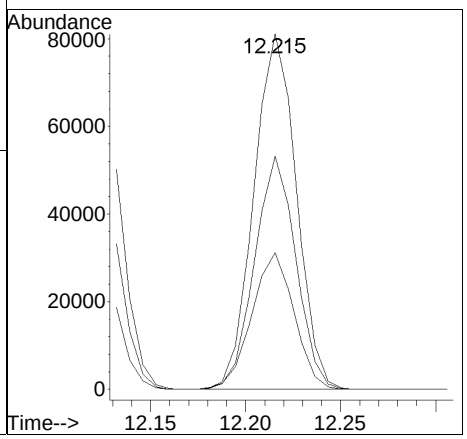


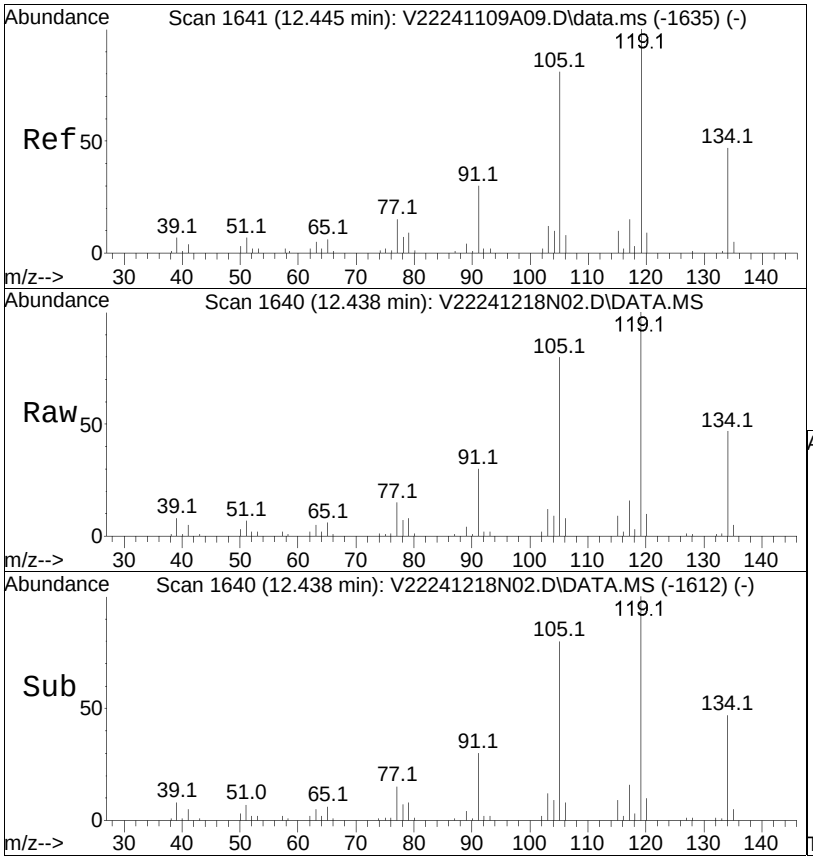


#105
1,4-Dichlorobenzene
Concen: 9.74 ug/L
RT: 12.215 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:146 Resp: 126150

Ion	Ratio	Lower	Upper
146	100		
111	38.3	28.9	43.3
148	63.8	51.4	77.2

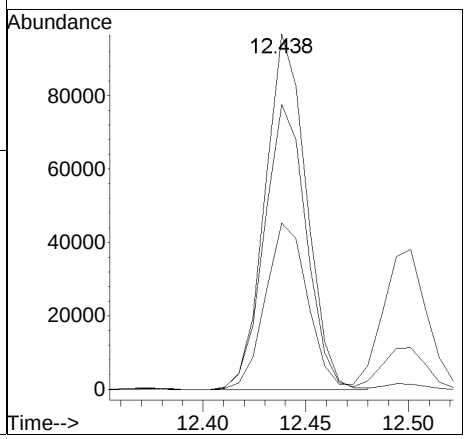


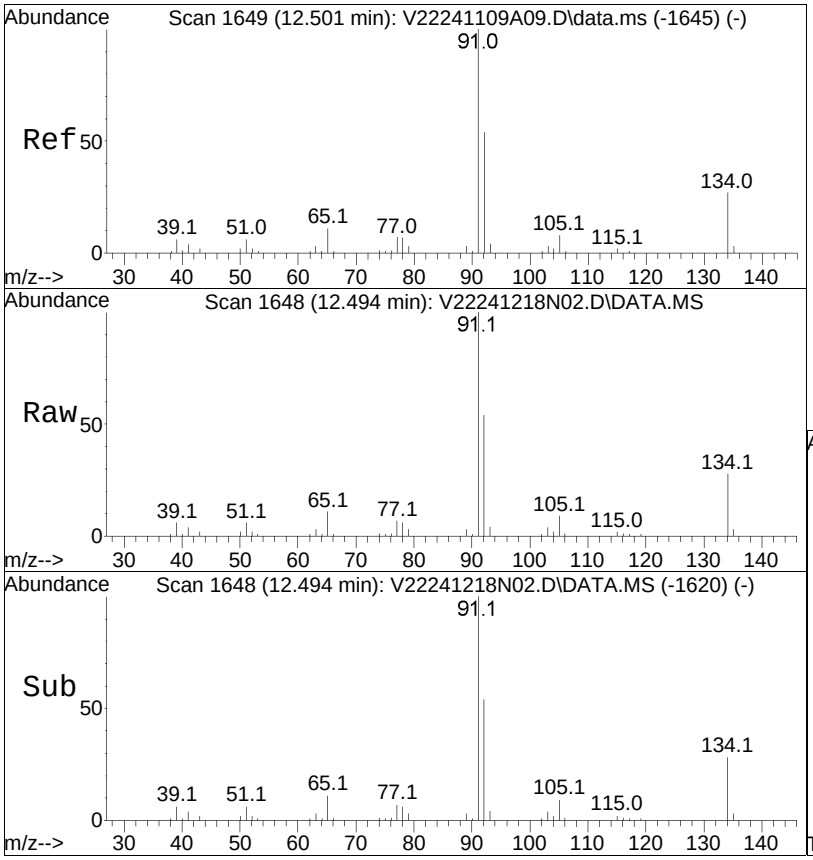


#106
p-Diethylbenzene
Concen: 9.49 ug/L
RT: 12.438 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:119 Resp: 134959

Ion	Ratio	Lower	Upper
119	100		
105	81.7	53.4	110.8
134	47.8	30.9	64.1

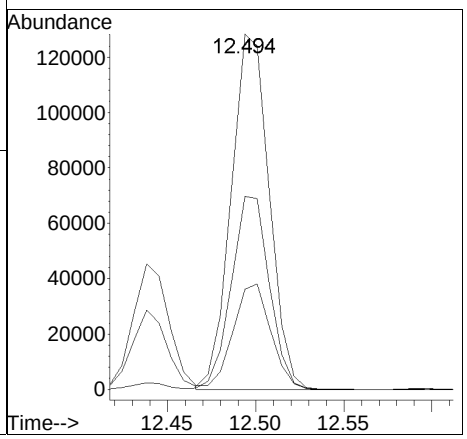


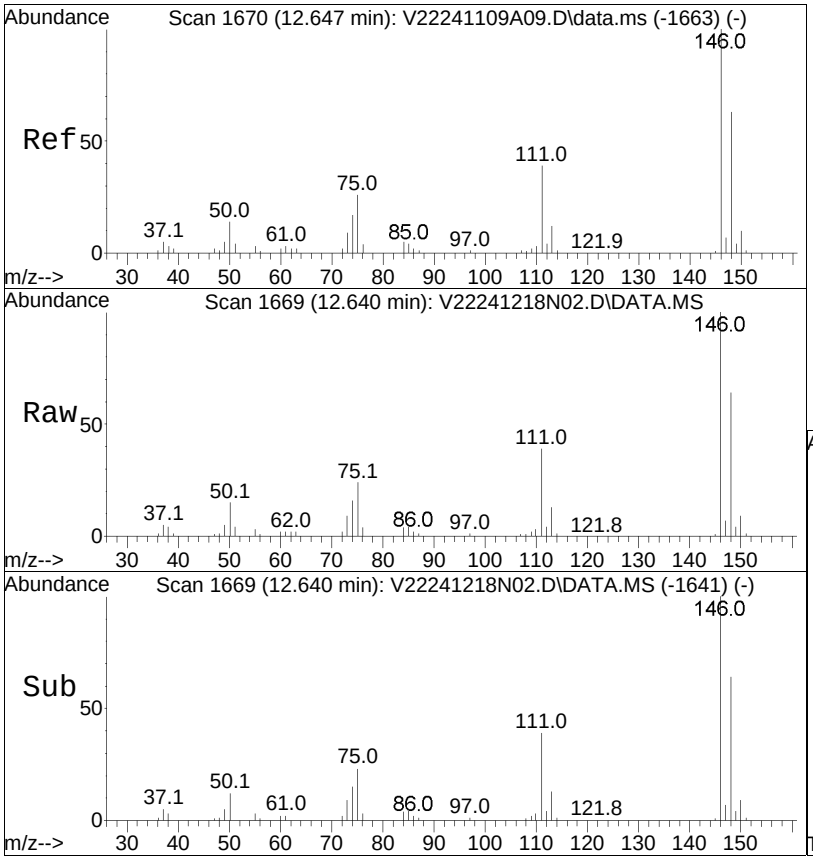


#107
n-Butylbenzene
Concen: 9.84 ug/L
RT: 12.494 min Scan# 1648
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion: 91 Resp: 192707

Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.6	66.8
134	29.5	22.9	34.3

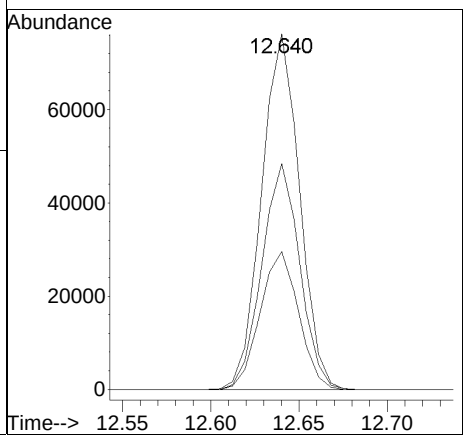


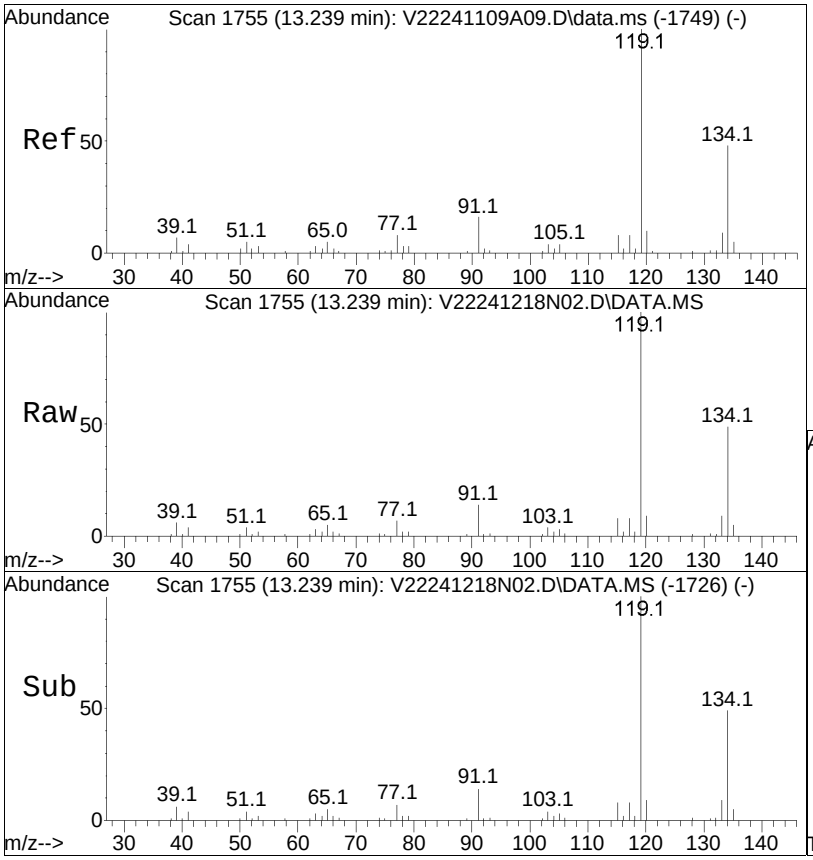


#108
1,2-Dichlorobenzene
Concen: 9.88 ug/L
RT: 12.640 min Scan# 1669
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:146 Resp: 114198

Ion	Ratio	Lower	Upper
146	100		
111	39.2	24.8	51.6
148	63.3	42.2	87.6

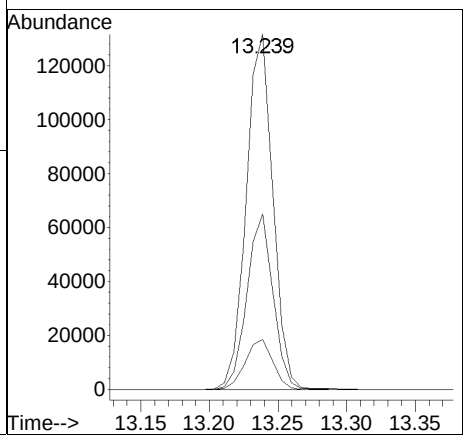


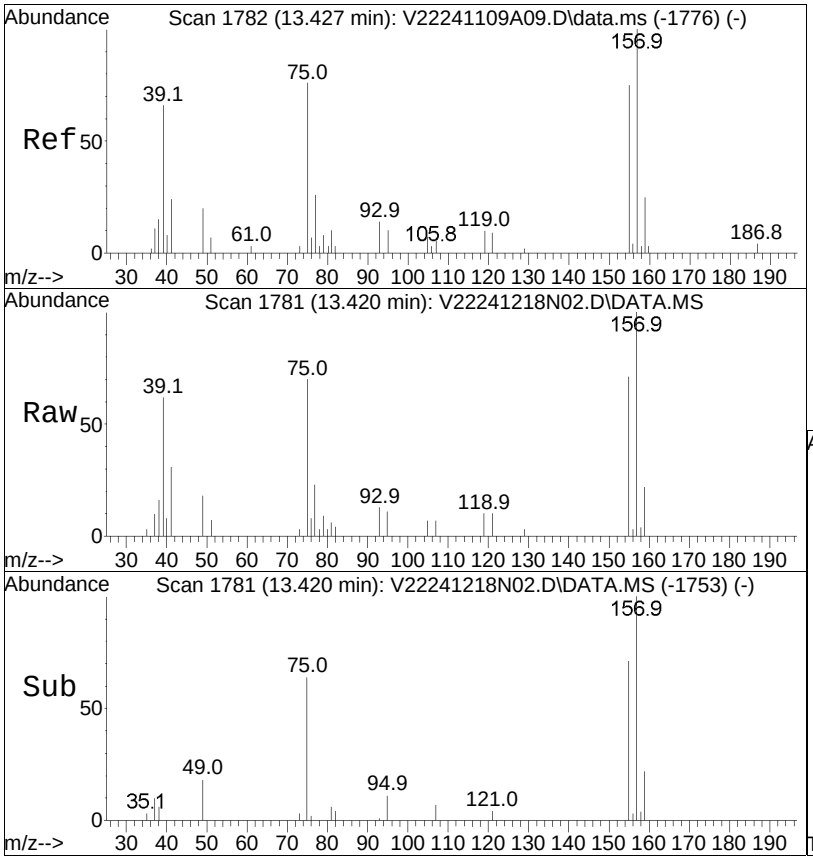


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.15 ug/L
RT: 13.239 min Scan# 1755
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:119 Resp: 177909

Ion	Ratio	Lower	Upper
119	100		
134	48.4	31.9	66.1
91	14.5	9.8	20.3

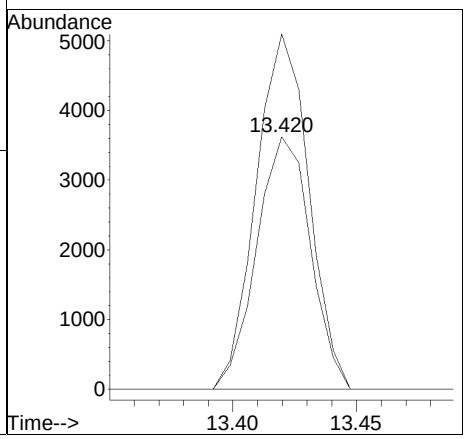


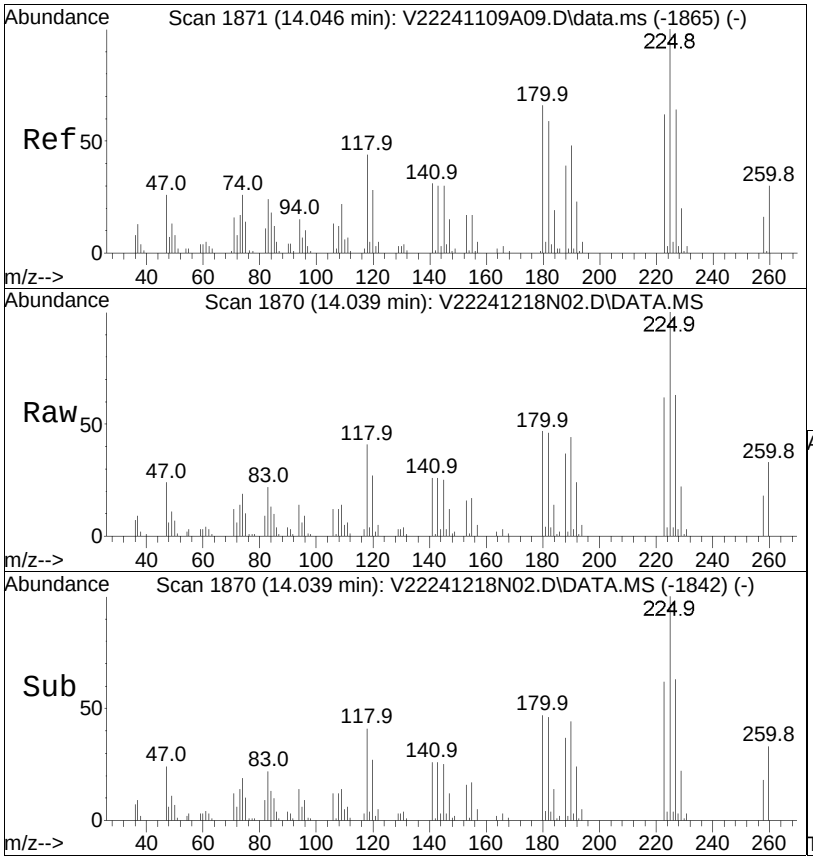


#110
1,2-Dibromo-3-chloropropane
Concen: 8.31 ug/L
RT: 13.420 min Scan# 1781
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:155 Resp: 5490

Ion	Ratio	Lower	Upper
155	100		
157	137.8	102.3	153.5

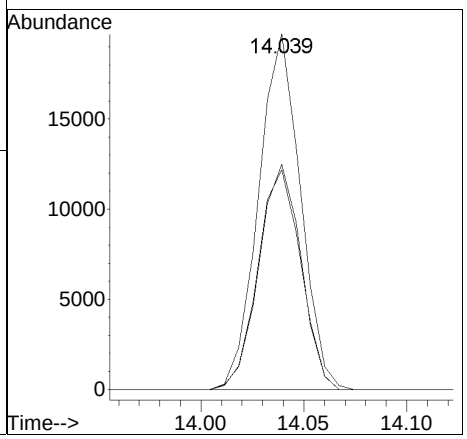


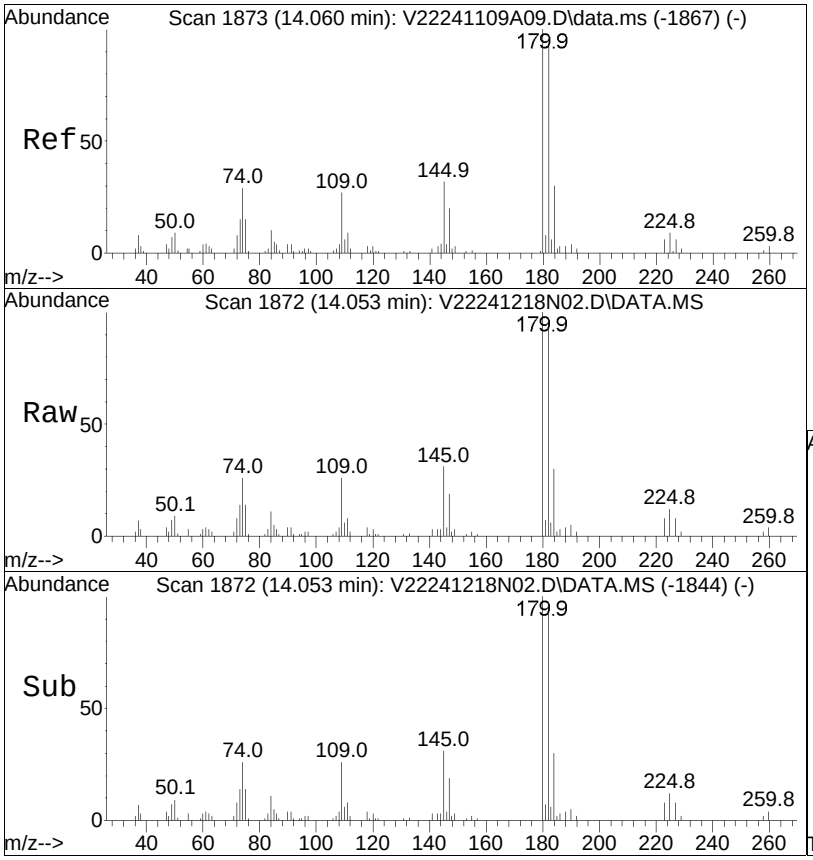


#112
Hexachlorobutadiene
Concen: 10.82 ug/L
RT: 14.039 min Scan# 1870
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:225 Resp: 27875

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.8
227	63.8	52.2	78.4

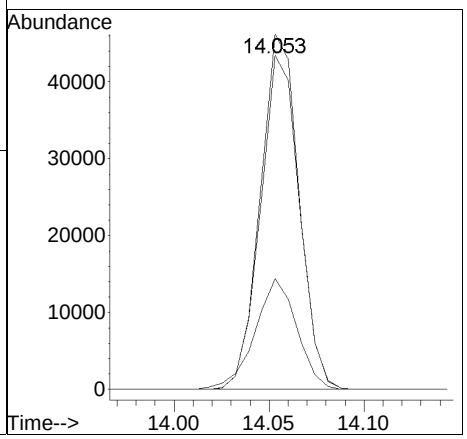


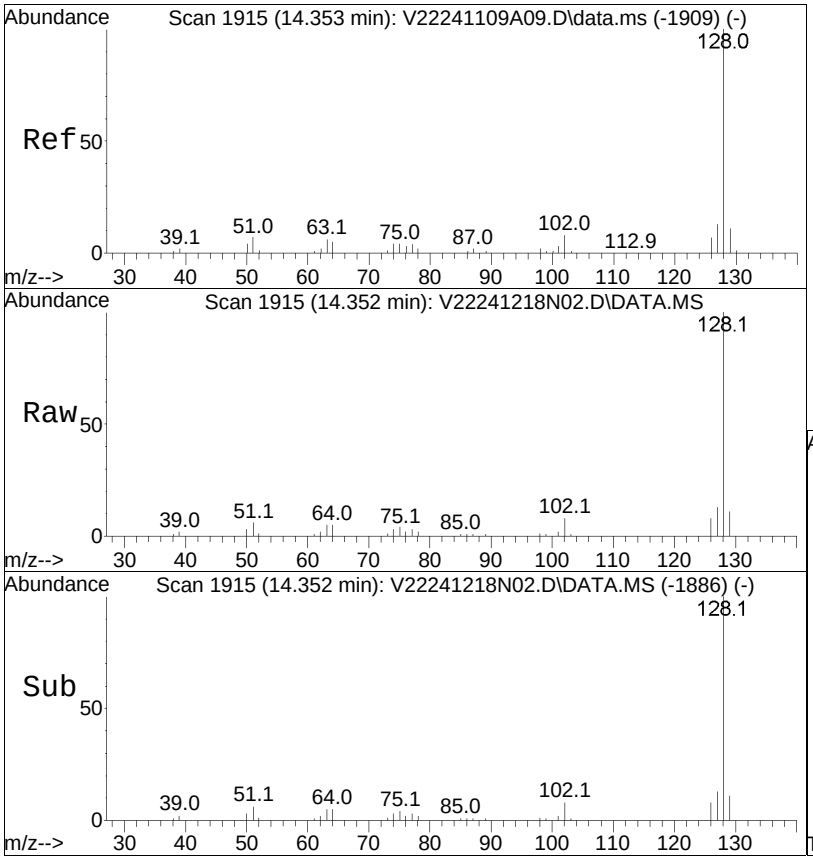


#113
1,2,4-Trichlorobenzene
Concen: 9.68 ug/L
RT: 14.053 min Scan# 1872
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:180 Resp: 65409

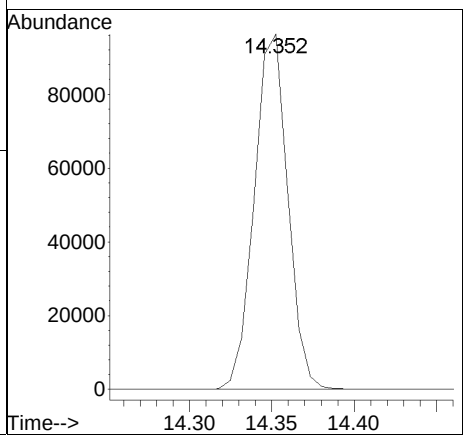
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	33.8	25.5	38.3

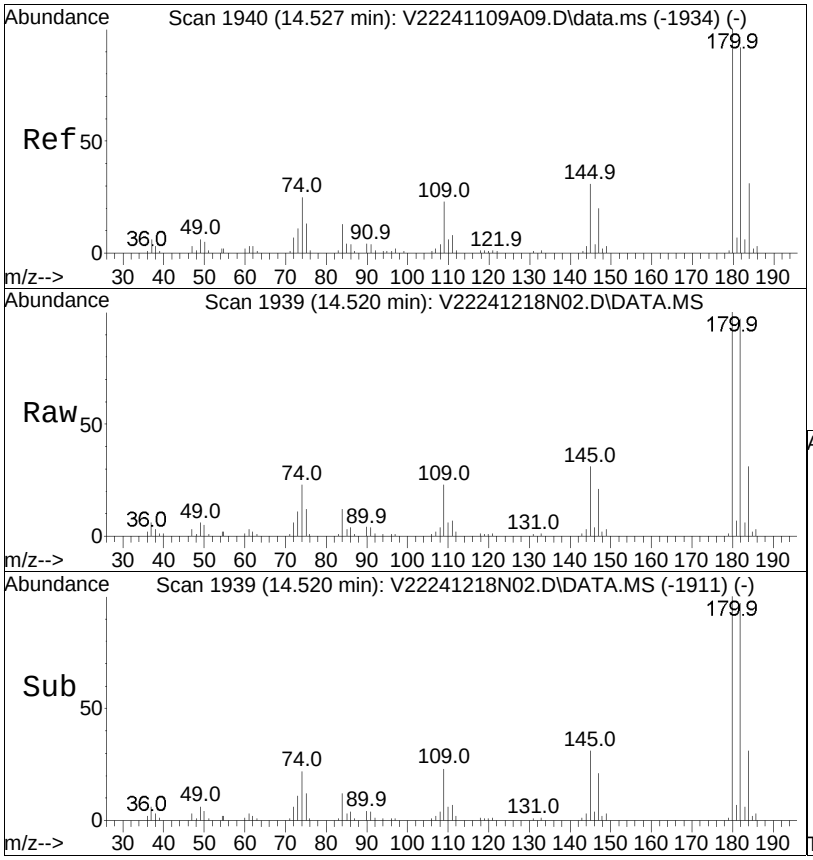




#114
Naphthalene
Concen: 9.08 ug/L
RT: 14.352 min Scan# 1915
Delta R.T. -0.000 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:128 Resp: 136455

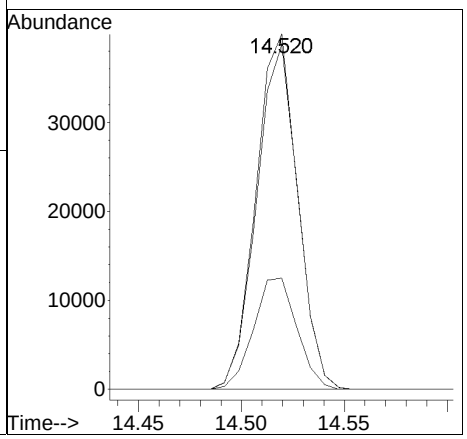




#115
1,2,3-Trichlorobenzene
Concen: 9.79 ug/L
RT: 14.520 min Scan# 1939
Delta R.T. -0.007 min
Lab File: V22241218N02.D
Acq: 18 Dec 2024 07:41 pm

Tgt Ion:180 Resp: 56166

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	32.7	23.8	35.8

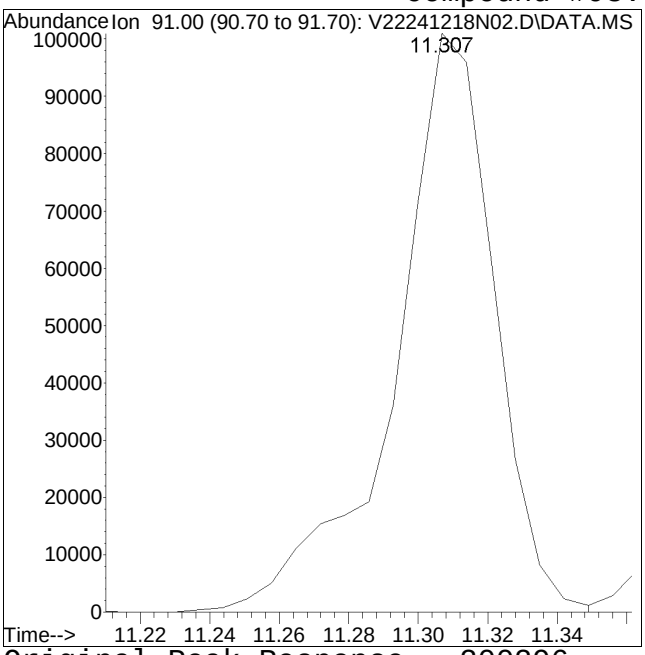


Manual Integration Report

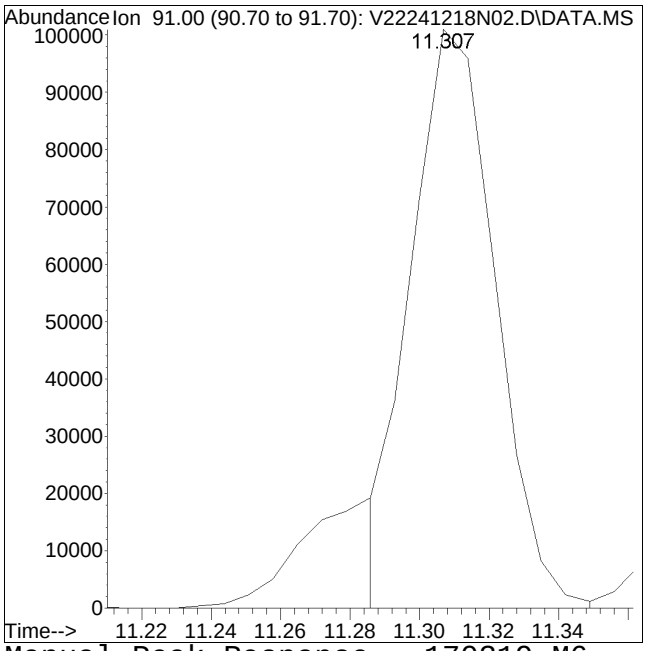
Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N02.D
Date Inj'd : 12/18/2024 7:41 pm
Sample : WG2011243-4,31,10,10

QMethod : V122_241109A_8260.m
Operator : VOA122:LAC
Instrument : VOA 122
Quant Date : 12/18/2024 8:03 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 200296



Manual Peak Response = 170319 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N26.D
Acq On : 19 Dec 2024 05:29 am
Operator : VOA122:MJV
Sample : WG2011243-6,31,10,10,,A1
Misc : WG2011243,ICAL21691
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 19 10:10:16 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	534954	10.000	ug/L	0.00
Standard Area 1 = 358970			Recovery = 149.02%			
62) Chlorobenzene-d5	9.484	117	431514	10.000	ug/L	0.00
Standard Area 1 = 300527			Recovery = 143.59%			
83) 1,4-Dichlorobenzene-d4	12.202	152	225447	10.000	ug/L	0.00
Standard Area 1 = 166973			Recovery = 135.02%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.132	113	183630	10.057	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%			
46) 1,2-Dichloroethane-d4	5.649	65	110438	9.788	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.88%			
63) Toluene-d8	7.640	98	538198	9.892	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.92%			
87) 4-Bromofluorobenzene	10.985	95	190659	10.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.612	85	88247	7.988	ug/L	98
3) Chloromethane	1.796	50	93781	9.919	ug/L	97
4) Vinyl chloride	1.868	62	102783	8.152	ug/L	99
5) Bromomethane	2.176	94	20507	2.251	ug/L	99
6) Chloroethane	2.287	64	59045	6.833	ug/L	99
7) Trichlorofluoromethane	2.425	101	153327	10.626	ug/L	99
8) Ethyl ether	2.720	74	32104	10.108	ug/L #	1
10) 1,1-Dichloroethene	2.910	96	83623	10.985	ug/L	94
11) Carbon disulfide	2.943	76	250644	10.831	ug/L	100
15) Methylene chloride	3.454	84	90164	10.079	ug/L	82
17) Acetone	3.487	43	18310	14.214	ug/L	96
18) trans-1,2-Dichloroethene	3.605	96	90260	10.801	ug/L	98
21) Methyl tert-butyl ether	3.703	73	140274	9.570	ug/L #	88
25) 1,1-Dichloroethane	4.181	63	152437	10.074	ug/L	98
27) Acrylonitrile	4.221	53	16092	10.467	ug/L	96
29) Vinyl acetate	4.411	43	102329	7.806	ug/L #	91
30) cis-1,2-Dichloroethene	4.693	96	95787	10.357	ug/L	94
31) 2,2-Dichloropropane	4.797	77	93828	8.391	ug/L #	83
32) Bromochloromethane	4.889	128	46891	10.087	ug/L	91
34) Chloroform	4.961	83	147438	9.745	ug/L	96

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N26.D
Acq On : 19 Dec 2024 05:29 am
Operator : VOA122:MJV
Sample : WG2011243-6,31,10,10,,A1
Misc : WG2011243,ICAL21691
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 19 10:10:16 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.099	117	127508	10.420	ug/L		98
39) 1,1,1-Trichloroethane	5.164	97	141518	10.260	ug/L		98
41) 2-Butanone	5.243	43	22326	12.200	ug/L	#	52
42) 1,1-Dichloropropene	5.282	75	113866	10.211	ug/L		99
44) Benzene	5.525	78	321350	9.763	ug/L		95
47) 1,2-Dichloroethane	5.722	62	77959	9.750	ug/L		95
51) Trichloroethene	6.121	95	73658	9.617	ug/L		100
53) Dibromomethane	6.556	93	39913	9.788	ug/L	#	85
54) 1,2-Dichloropropane	6.660	63	64381	9.732	ug/L		98
57) Bromodichloromethane	6.737	83	86282	9.390	ug/L		99
60) 1,4-Dioxane	6.945	88	16578	520.413	ug/L	#	78
61) cis-1,3-Dichloropropene	7.425	75	84178	8.799	ug/L	#	91
64) Toluene	7.696	92	179897	10.050	ug/L		99
65) 4-Methyl-2-pentanone	8.127	58	10187	8.273	ug/L	#	74
66) Tetrachloroethene	8.148	166	85287	10.397	ug/L		96
68) trans-1,3-Dichloropropene	8.176	75	69464	8.500	ug/L		91
71) 1,1,2-Trichloroethane	8.356	83	38102	9.123	ug/L		100
72) Chlorodibromomethane	8.572	129	59165	8.603	ug/L		99
73) 1,3-Dichloropropane	8.685	76	78996	9.177	ug/L		99
74) 1,2-Dibromoethane	8.846	107	47080	9.164	ug/L		98
76) 2-Hexanone	9.140	43	18617	9.296	ug/L		88
77) Chlorobenzene	9.505	112	208235	10.073	ug/L	#	88
78) Ethylbenzene	9.547	91	358629	10.076	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.589	131	62666	8.952	ug/L		97
80) p/m Xylene	9.736	106	277776	18.918	ug/L		99
81) o Xylene	10.276	106	262302	18.739	ug/L		98
82) Styrene	10.340	104	407110	18.090	ug/L		98
84) Bromoform	10.361	173	30274	8.243	ug/L		99
86) Isopropylbenzene	10.662	105	368510	10.565	ug/L		100
88) Bromobenzene	11.097	156	84303	10.300	ug/L		99
89) n-Propylbenzene	11.146	91	414242	10.213	ug/L		100
91) 1,1,2,2-Tetrachloroethane	11.230	83	51197	9.429	ug/L		99
92) 4-Ethyltoluene	11.272	105	343133	10.077	ug/L		99
93) 2-Chlorotoluene	11.307	91	229391M6	9.941	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	294090	9.924	ug/L		100
95) 1,2,3-Trichloropropane	11.363	75	39711	9.137	ug/L		99
96) trans-1,4-Dichloro-2-b...	11.419	53	10214	7.473	ug/L	#	74
97) 4-Chlorotoluene	11.497	91	240632	10.010	ug/L		98
98) tert-Butylbenzene	11.714	119	262216	10.286	ug/L		99

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N26.D
Acq On : 19 Dec 2024 05:29 am
Operator : VOA122:MJV
Sample : WG2011243-6,31,10,10,,A1
Misc : WG2011243,ICAL21691
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 19 10:10:16 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.791	105	194131	11.531	ug/L	99
102) sec-Butylbenzene	11.910	105	376670	10.442	ug/L	100
103) p-Isopropyltoluene	12.063	119	318927	10.104	ug/L	99
104) 1,3-Dichlorobenzene	12.118	146	166397	10.021	ug/L	98
105) 1,4-Dichlorobenzene	12.216	146	164568	9.919	ug/L	98
106) p-Diethylbenzene	12.439	119	179077	9.828	ug/L	99
107) n-Butylbenzene	12.494	91	256851	10.234	ug/L	98
108) 1,2-Dichlorobenzene	12.640	146	148219	10.005	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	240993	9.672	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.420	155	7715	9.118	ug/L	99
112) Hexachlorobutadiene	14.040	225	36437	11.042	ug/L	98
113) 1,2,4-Trichlorobenzene	14.054	180	85967	9.931	ug/L	99
114) Naphthalene	14.353	128	187090	9.719	ug/L	100
115) 1,2,3-Trichlorobenzene	14.520	180	73913	10.058	ug/L	99

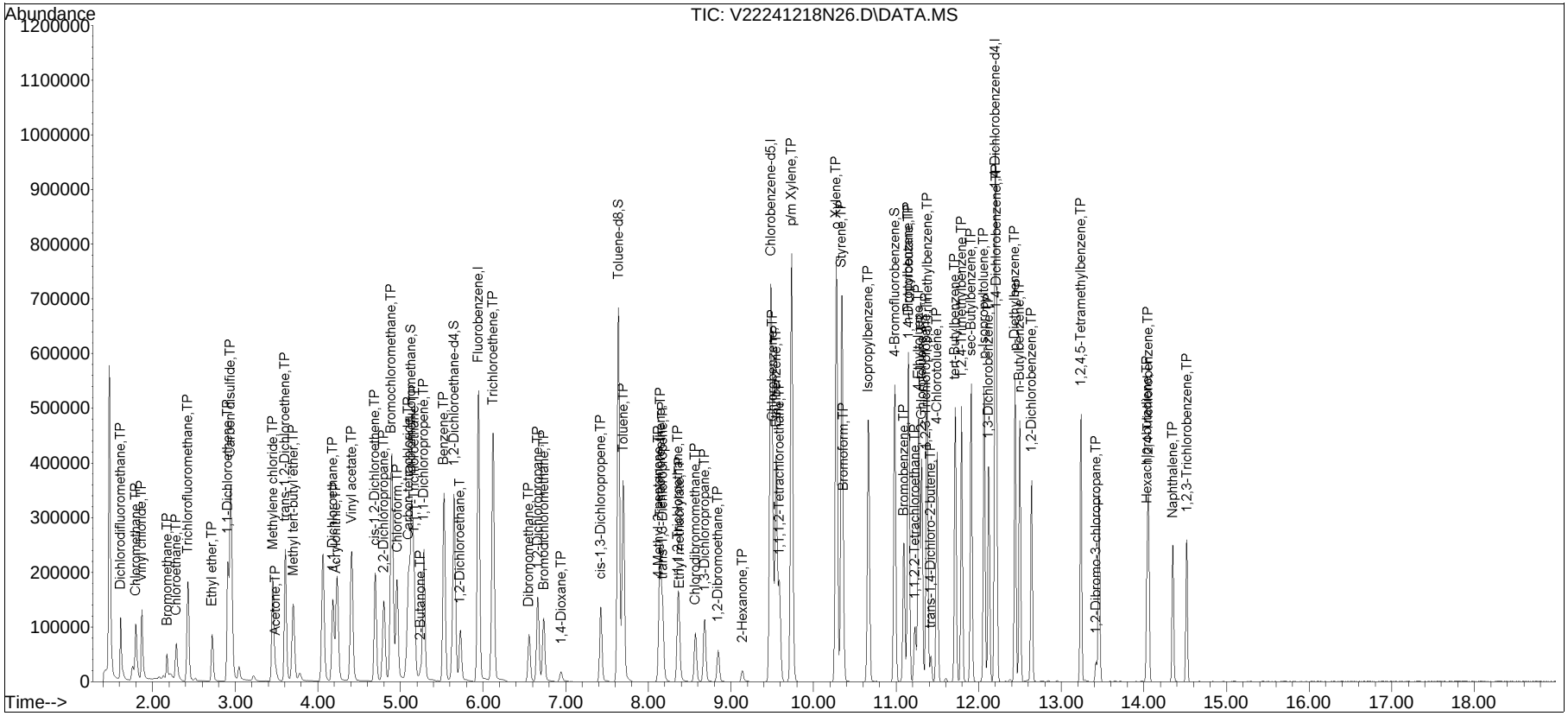
(#) = qualifier out of range (m) = manual integration (+) = signals summed

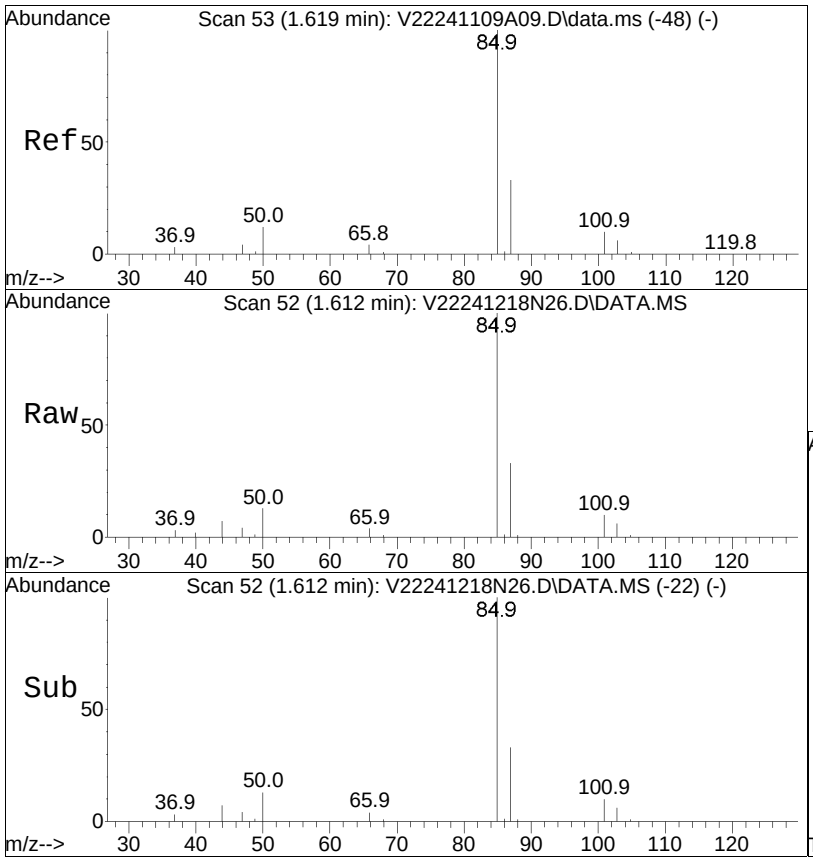
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N26.D
Acq On : 19 Dec 2024 05:29 am
Operator : VOA122:MJV
Sample : WG2011243-6,31,10,10,,A1
Misc : WG2011243,ICAL21691
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 19 10:10:16 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N01.D•

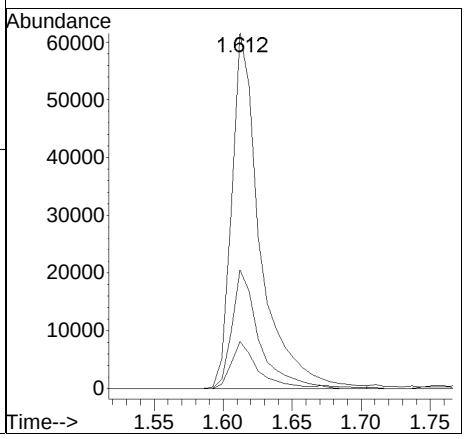


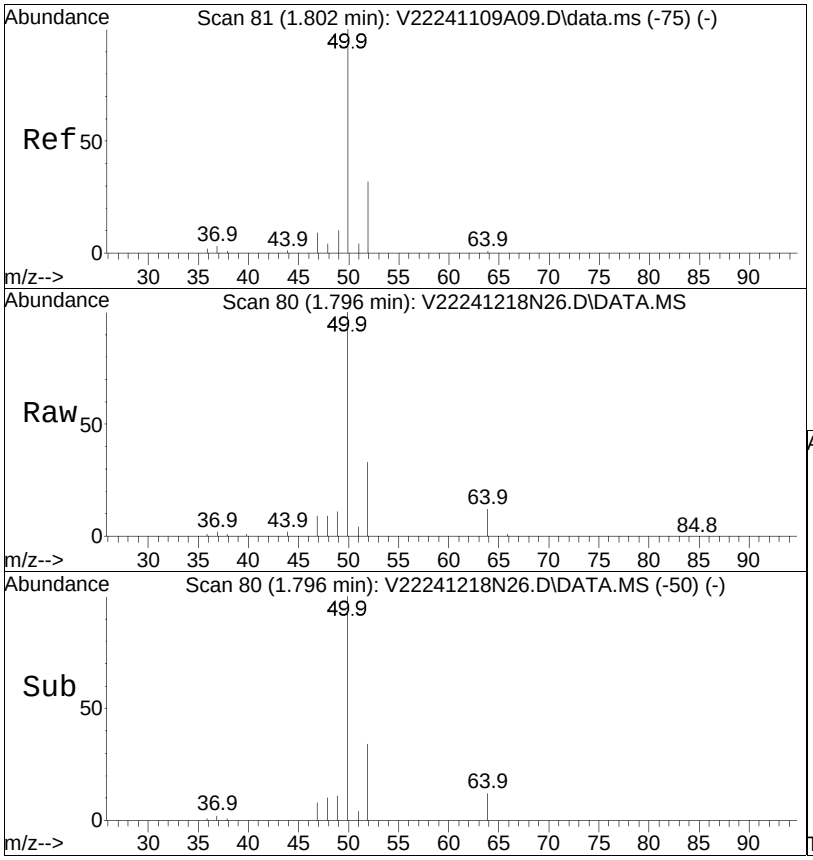


#2
Dichlorodifluoromethane
Concen: 7.99 ug/L
RT: 1.612 min Scan# 52
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 85 Resp: 88247

Ion	Ratio	Lower	Upper
85	100		
87	32.4	20.7	42.9
50	12.5	6.8	14.2

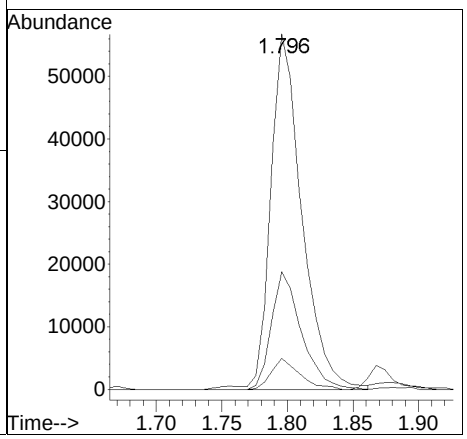


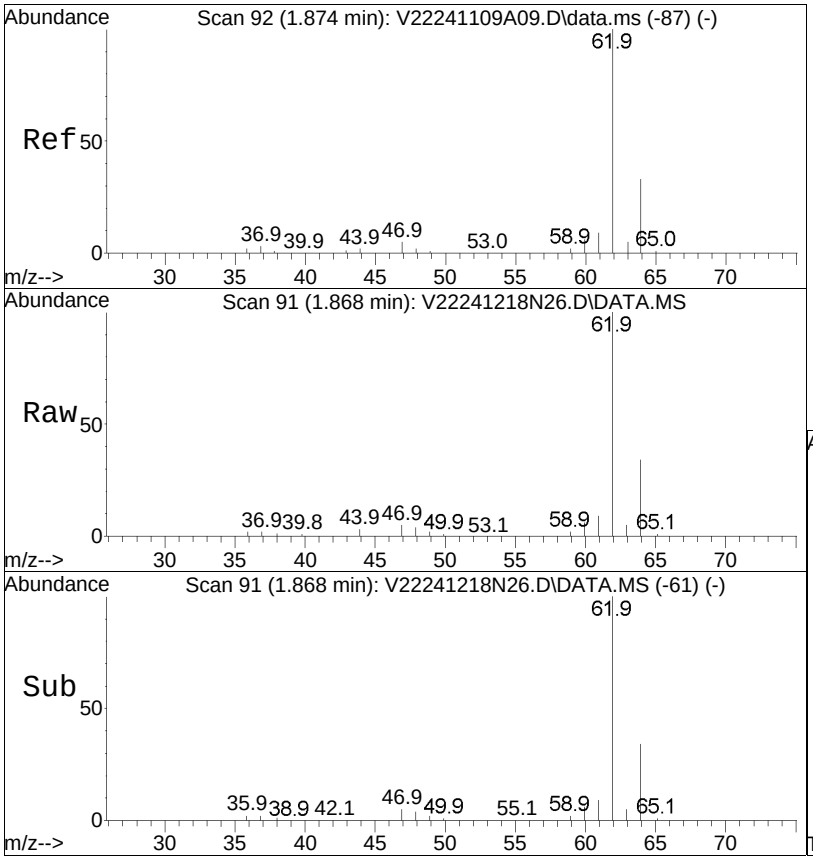


#3
Chloromethane
Concen: 9.92 ug/L
RT: 1.796 min Scan# 80
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 50 Resp: 93781

Ion	Ratio	Lower	Upper
50	100		
52	31.8	12.8	52.8
47	7.9	0.0	30.0

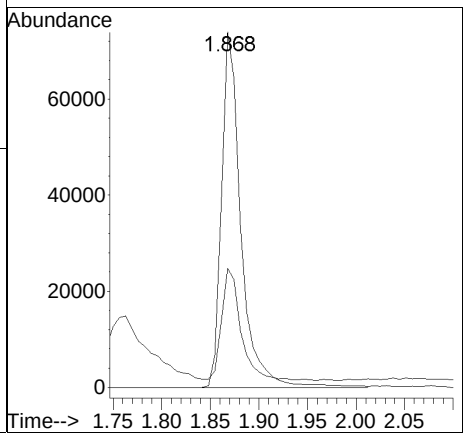


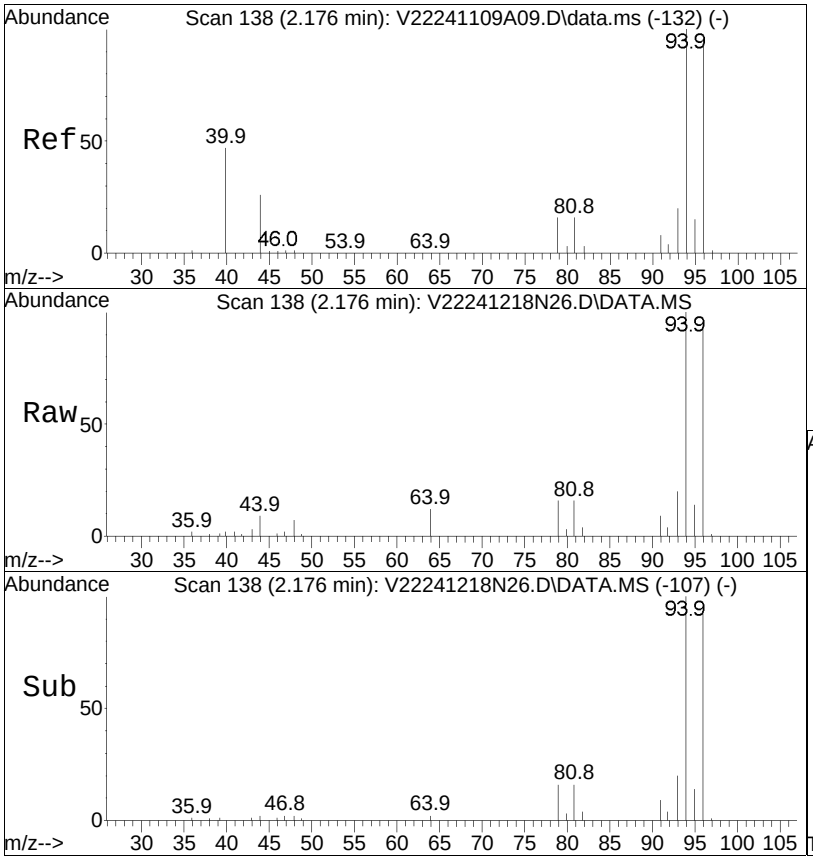


#4
Vinyl chloride
Concen: 8.15 ug/L
RT: 1.868 min Scan# 91
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 62 Resp: 102783

Ion	Ratio	Lower	Upper
62	100		
64	32.5	12.0	52.0

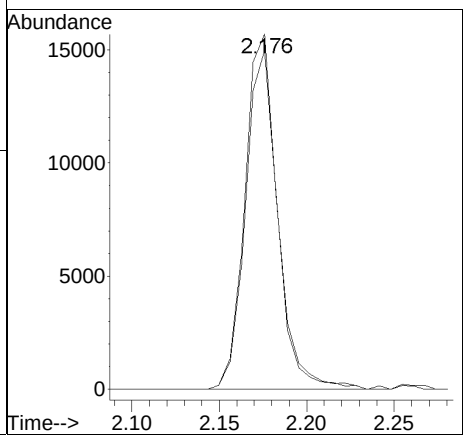


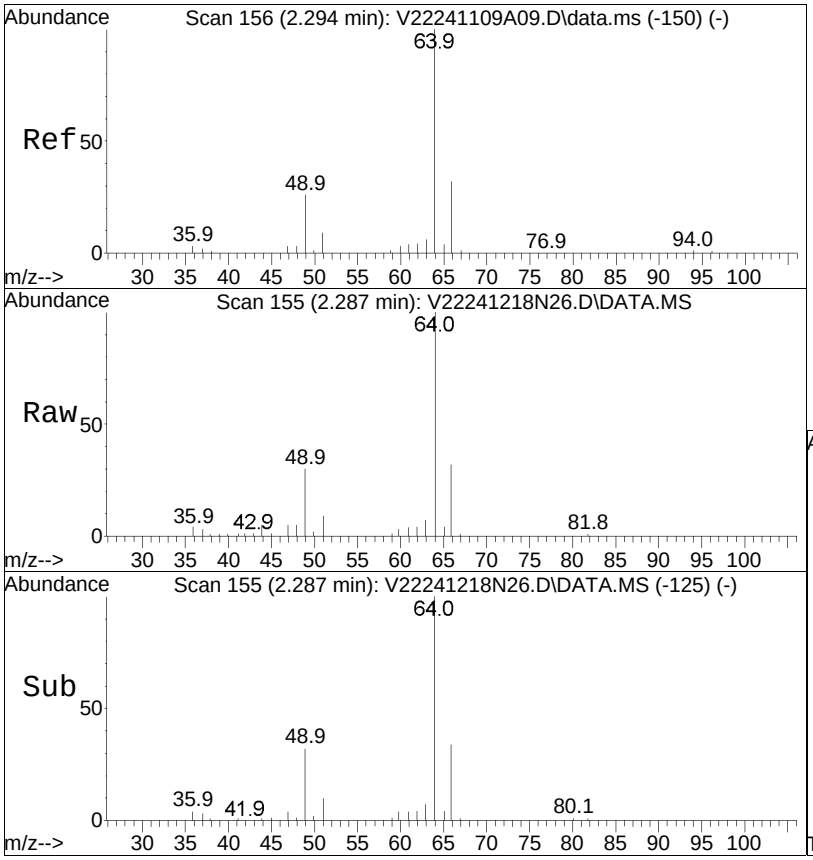


#5
Bromomethane
Concen: 2.25 ug/L
RT: 2.176 min Scan# 138
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 94 Resp: 20507

Ion	Ratio	Lower	Upper
94	100		
96	93.7	72.8	112.8

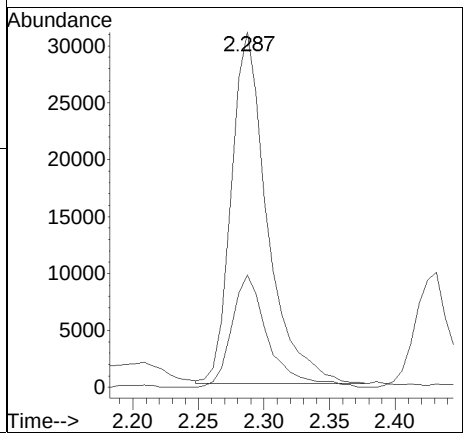


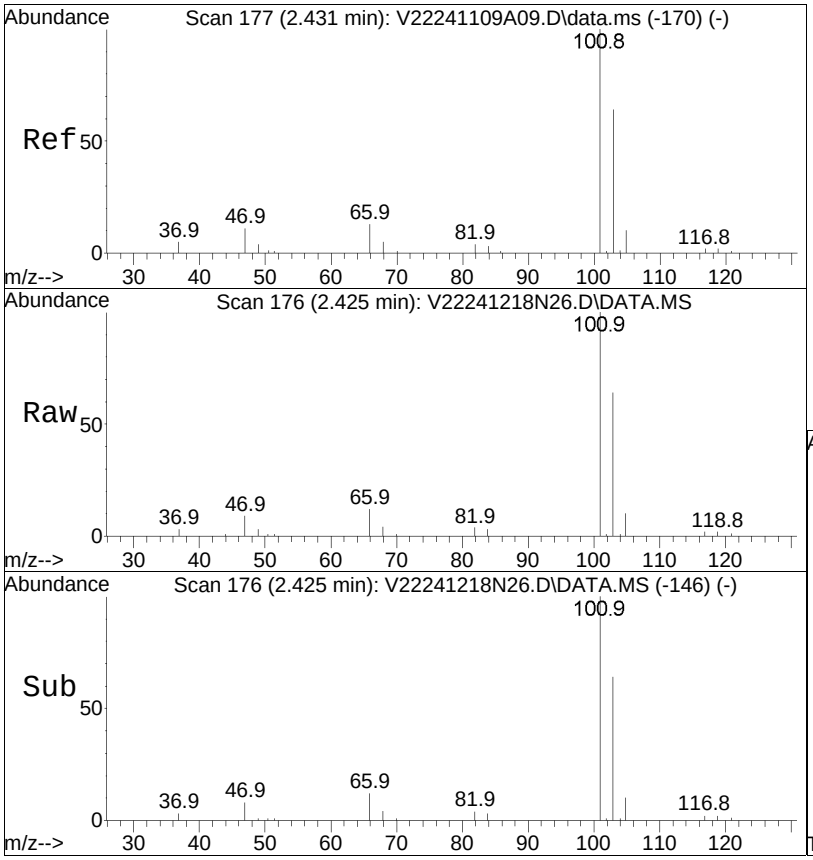


#6
Chloroethane
Concen: 6.83 ug/L
RT: 2.287 min Scan# 155
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 64 Resp: 59045

Ion	Ratio	Lower	Upper
64	100		
66	32.5	12.2	52.2

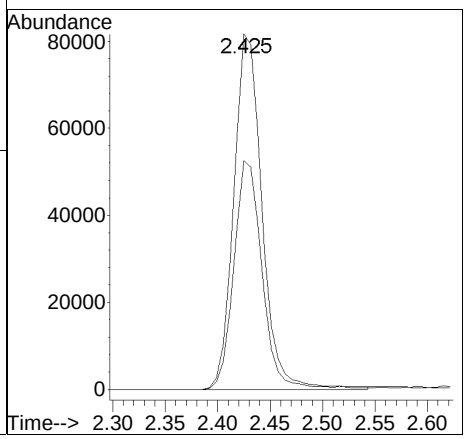


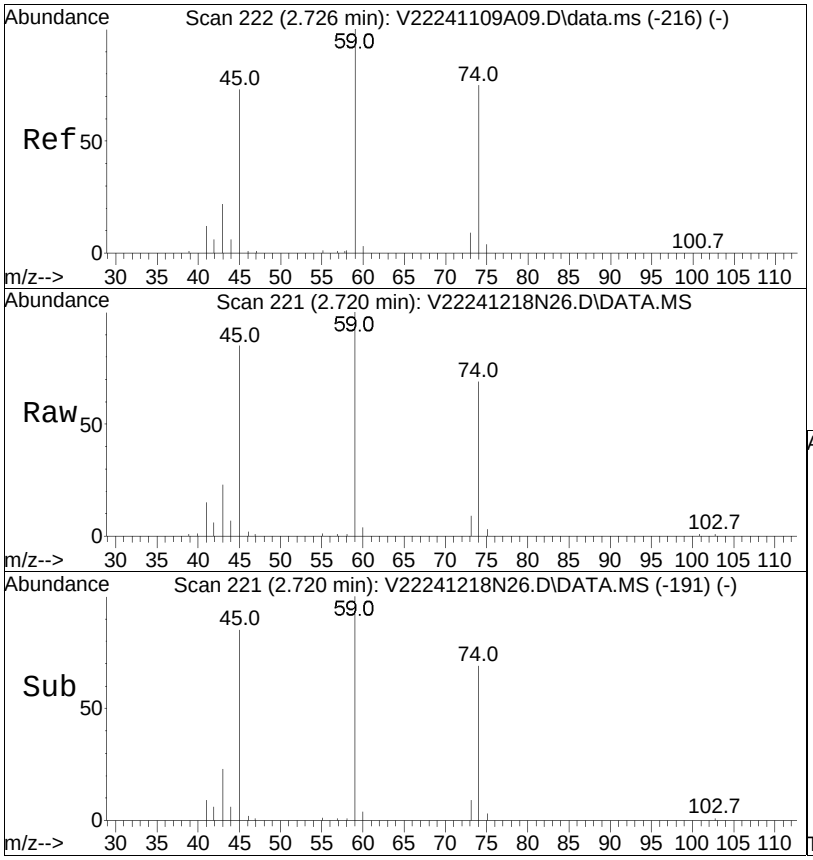


#7
Trichlorofluoromethane
Concen: 10.63 ug/L
RT: 2.425 min Scan# 176
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:101 Resp: 153327

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

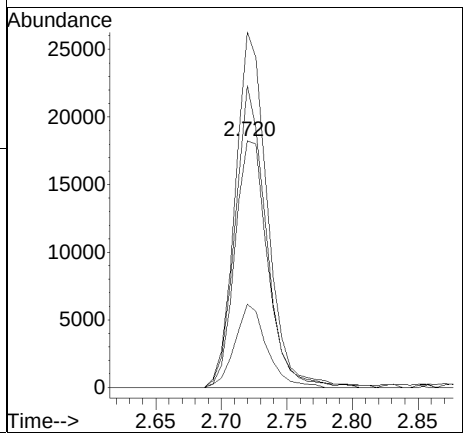


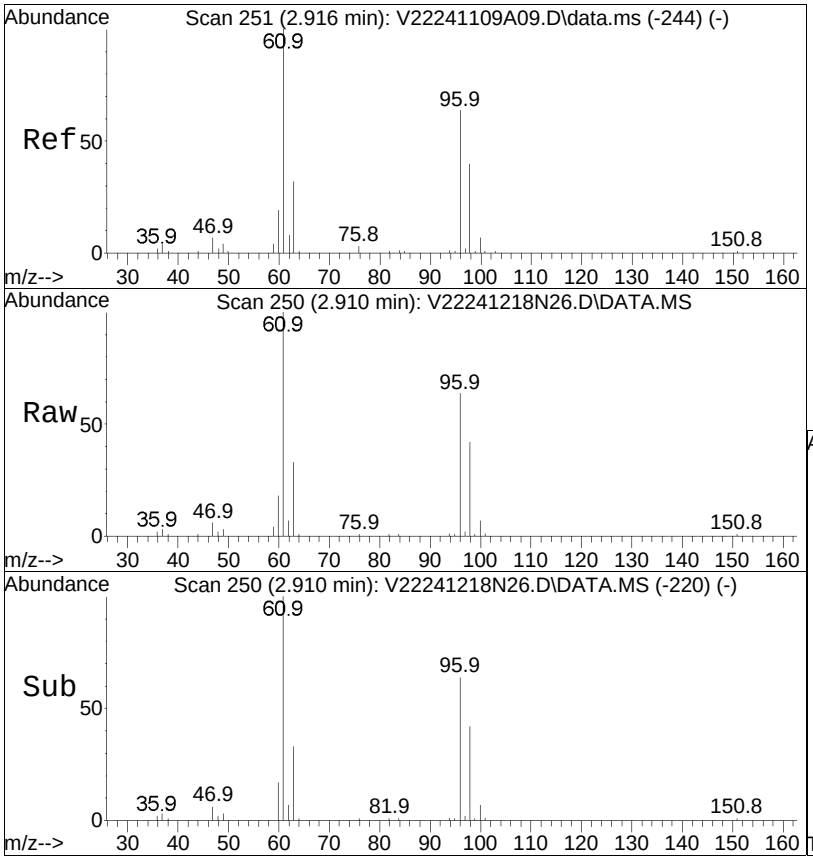


#8
Ethyl ether
Concen: 10.11 ug/L
RT: 2.720 min Scan# 221
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 74 Resp: 32104

Ion	Ratio	Lower	Upper
74	100		
59	140.3	2122.4	4408.0#
45	114.3	1435.1	2980.5#
43	32.4	407.9	847.3#

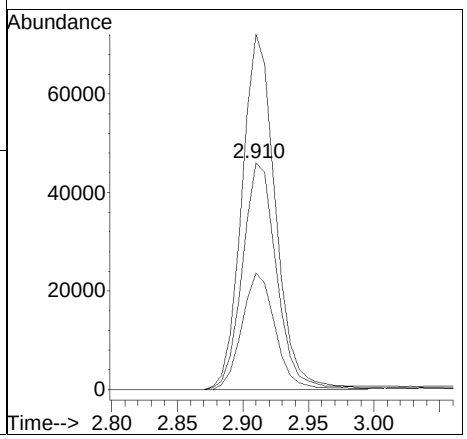


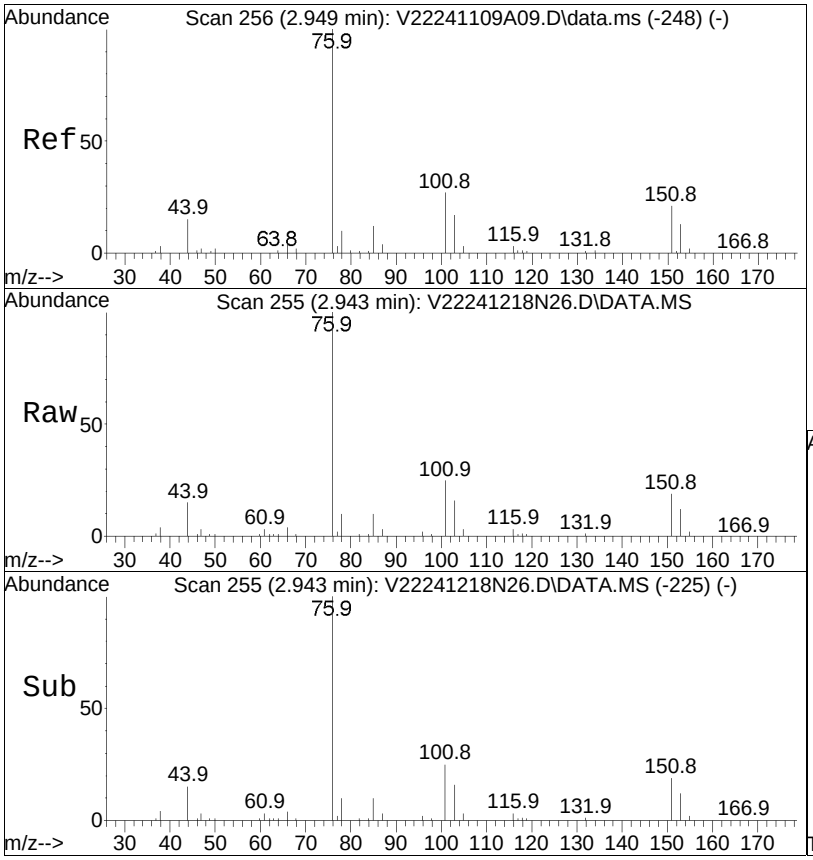


#10
1,1-Dichloroethene
Concen: 10.98 ug/L
RT: 2.910 min Scan# 250
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 96 Resp: 83623

Ion	Ratio	Lower	Upper
96	100		
61	154.4	117.0	175.4
63	50.1	37.8	56.6

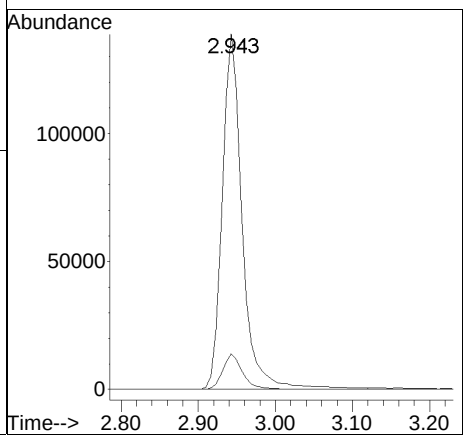


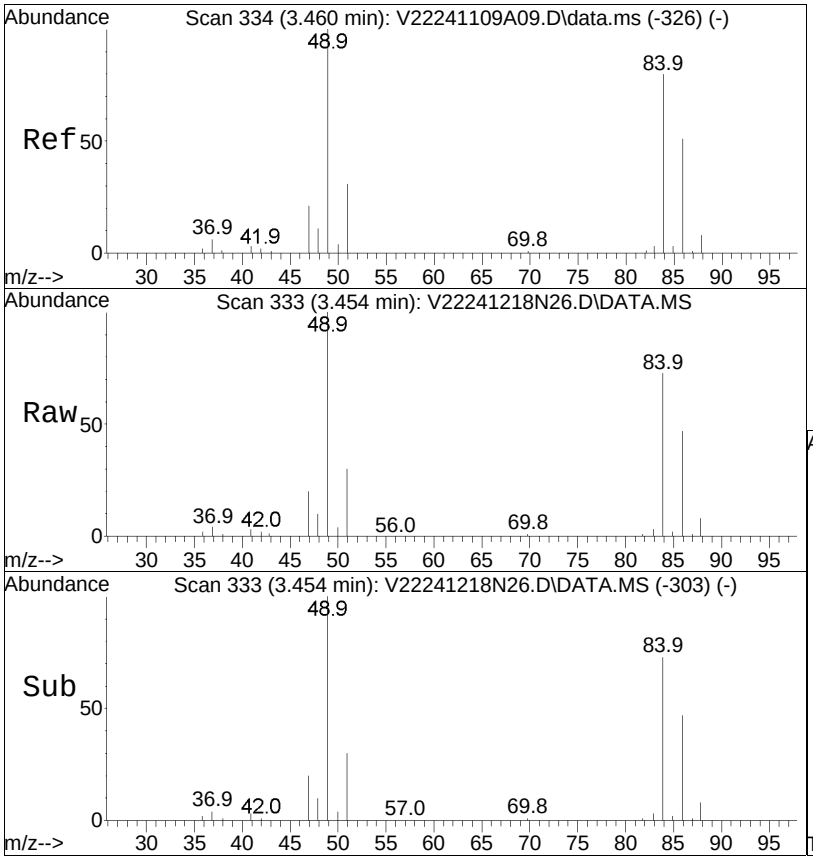


#11
Carbon disulfide
Concen: 10.83 ug/L
RT: 2.943 min Scan# 255
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 76 Resp: 250644

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

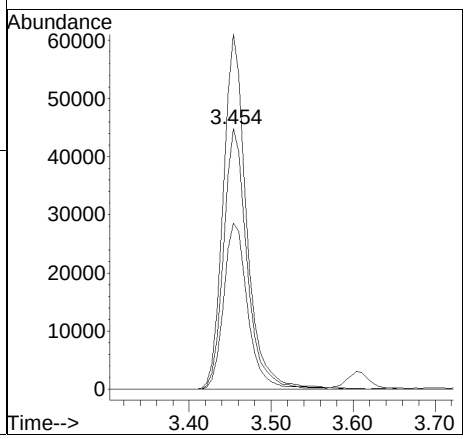


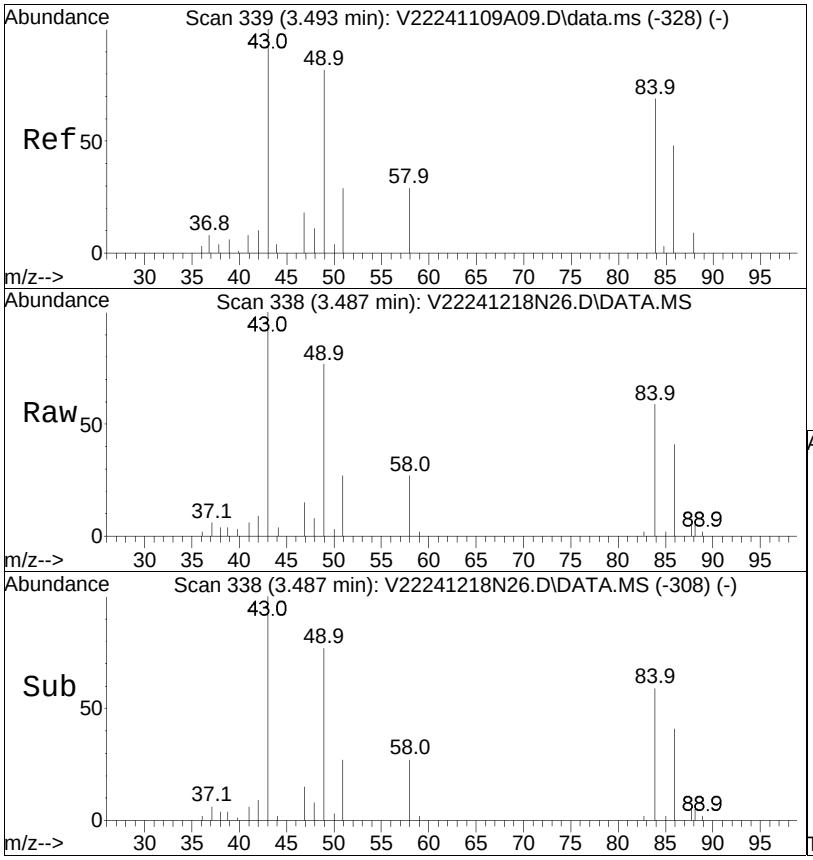


#15
Methylene chloride
Concen: 10.08 ug/L
RT: 3.454 min Scan# 333
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 84 Resp: 90164

Ion	Ratio	Lower	Upper
84	100		
86	64.9	41.5	86.3
49	134.1	68.8	143.0

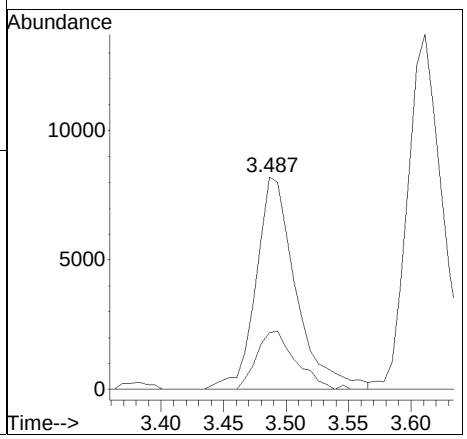


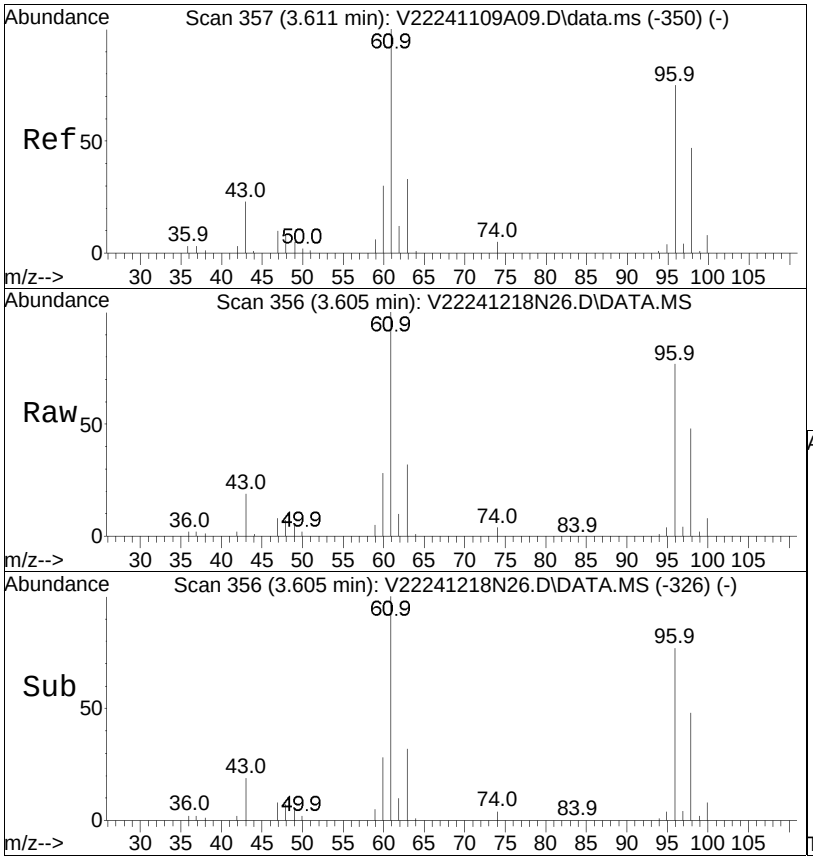


#17
Acetone
Concen: 14.21 ug/L
RT: 3.487 min Scan# 338
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 43 Resp: 18310

Ion	Ratio	Lower	Upper
43	100		
58	27.0	23.1	34.7

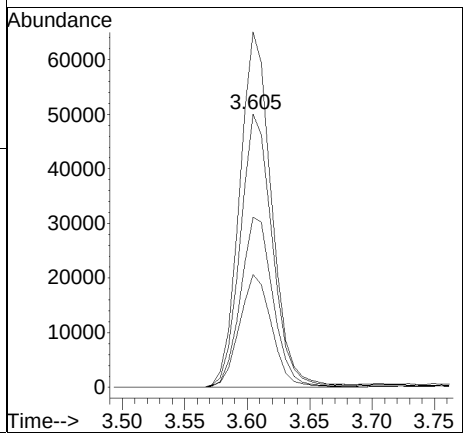


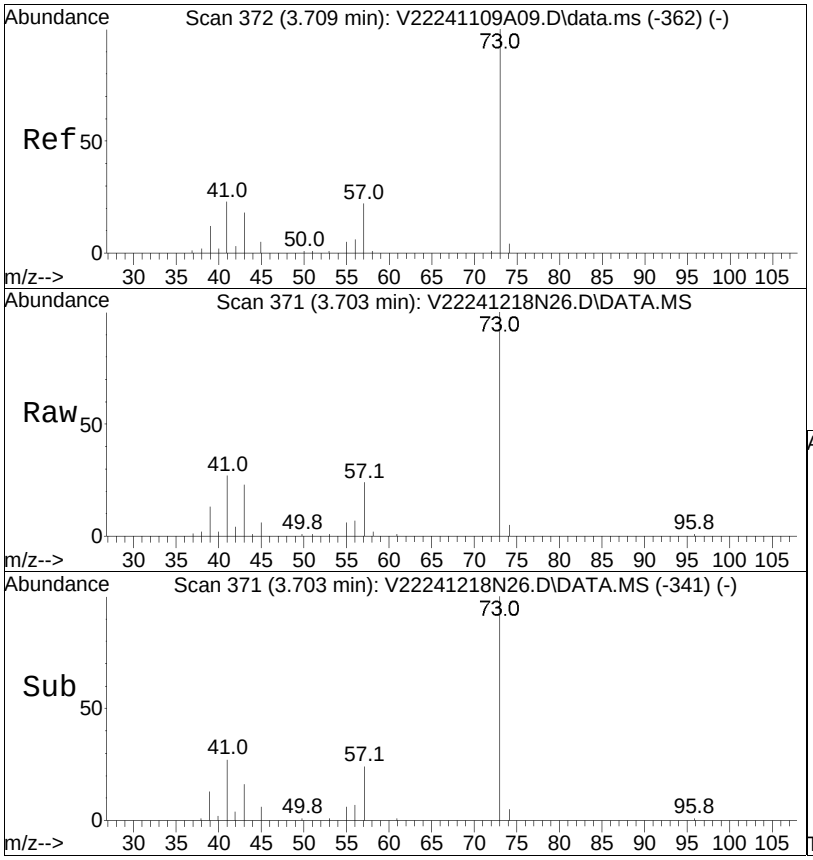


#18
trans-1,2-Dichloroethene
Concen: 10.80 ug/L
RT: 3.605 min Scan# 356
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 96 Resp: 90260

Ion	Ratio	Lower	Upper
96	100		
61	129.0	81.6	169.6
98	62.7	41.8	86.8
63	41.4	26.3	54.7

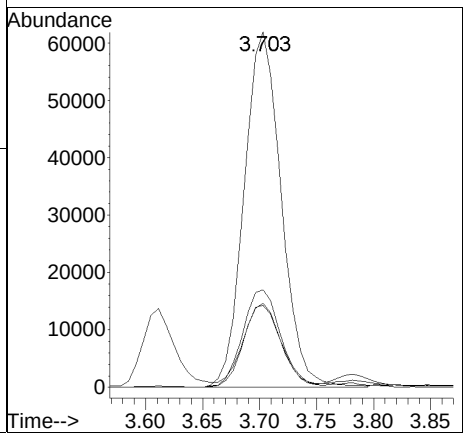


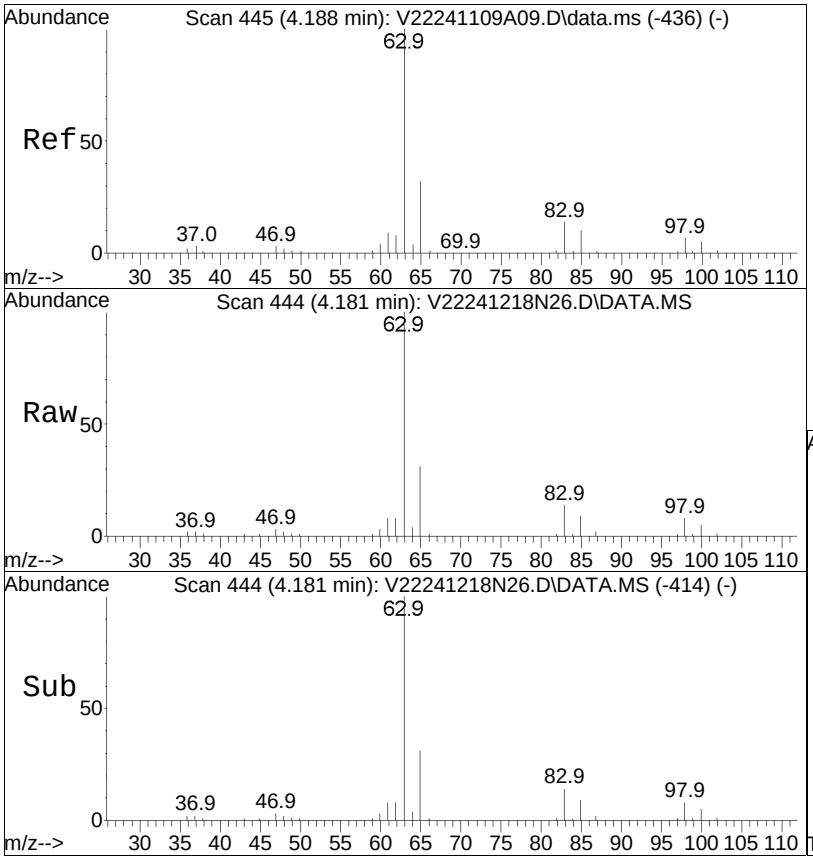


#21
Methyl tert-butyl ether
Concen: 9.57 ug/L
RT: 3.703 min Scan# 371
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 73 Resp: 140274

Ion	Ratio	Lower	Upper
73	100		
57	23.9	13.6	28.2
43	23.5	12.7	26.5
41	28.1	11.4	23.8#

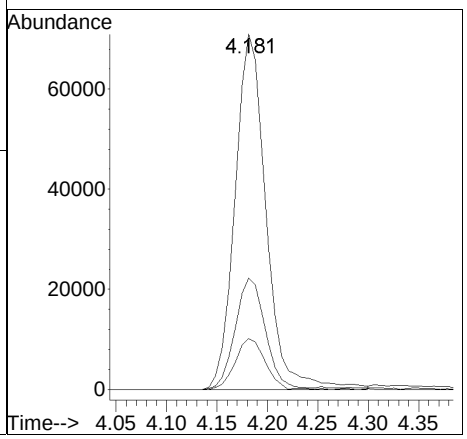


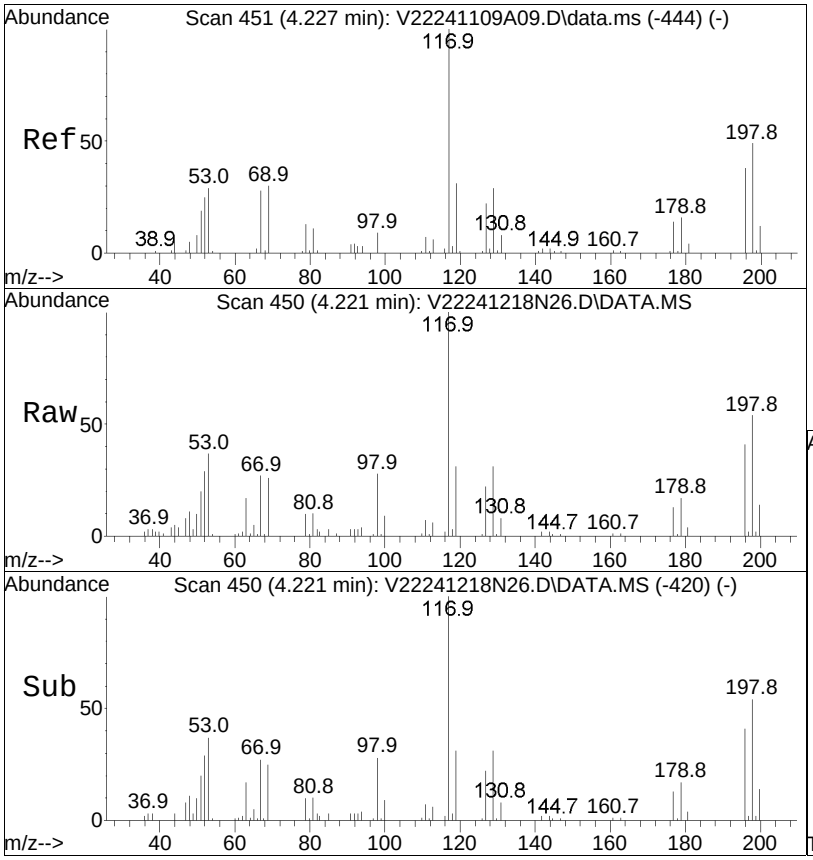


#25
1,1-Dichloroethane
Concen: 10.07 ug/L
RT: 4.181 min Scan# 444
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 63 Resp: 152437

Ion	Ratio	Lower	Upper
63	100		
65	30.4	11.9	51.9
83	13.7	0.0	34.2

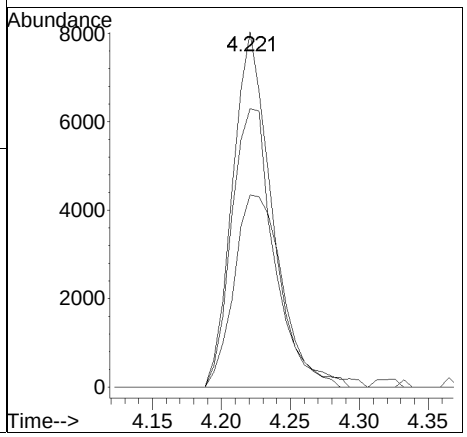


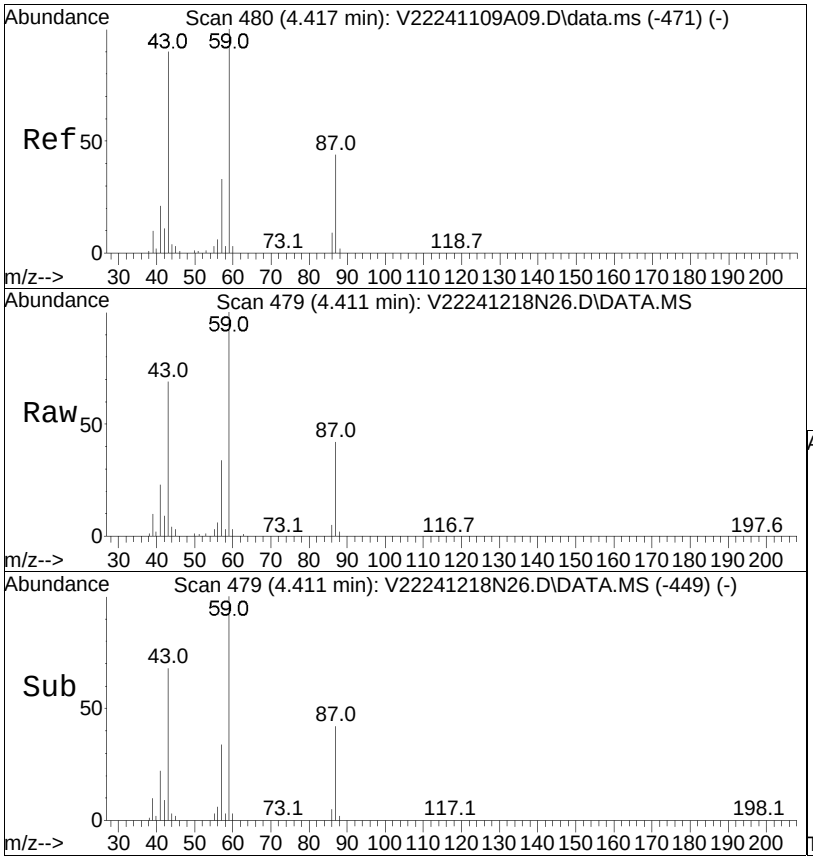


#27
Acrylonitrile
Concen: 10.47 ug/L
RT: 4.221 min Scan# 450
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 53 Resp: 16092

Ion	Ratio	Lower	Upper
53	100		
52	84.0	63.8	95.8
51	65.6	50.2	75.4

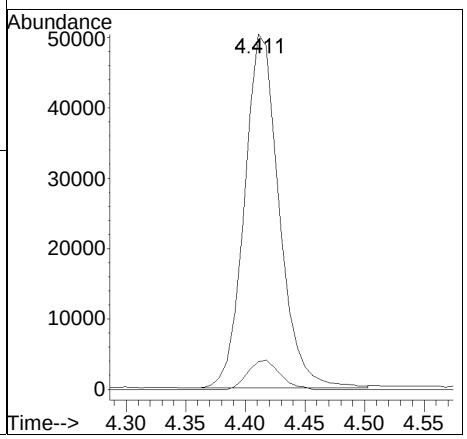


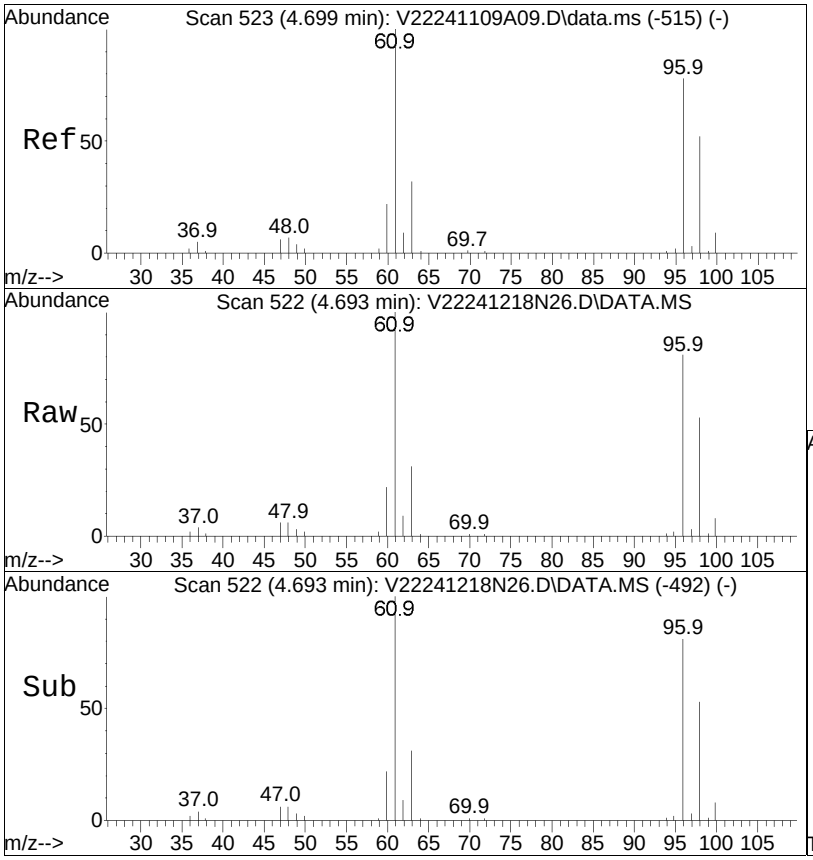


#29
Vinyl acetate
Concen: 7.81 ug/L
RT: 4.411 min Scan# 479
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 43 Resp: 102329

Ion	Ratio	Lower	Upper
43	100		
86	7.6	8.9	13.3#

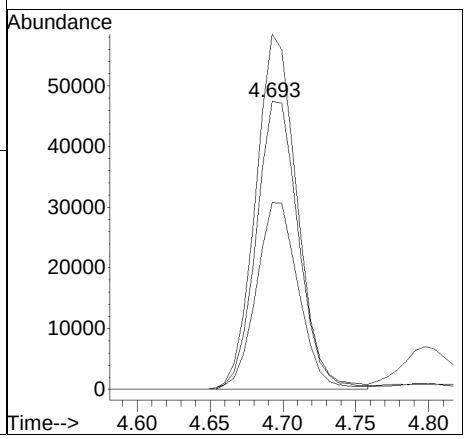


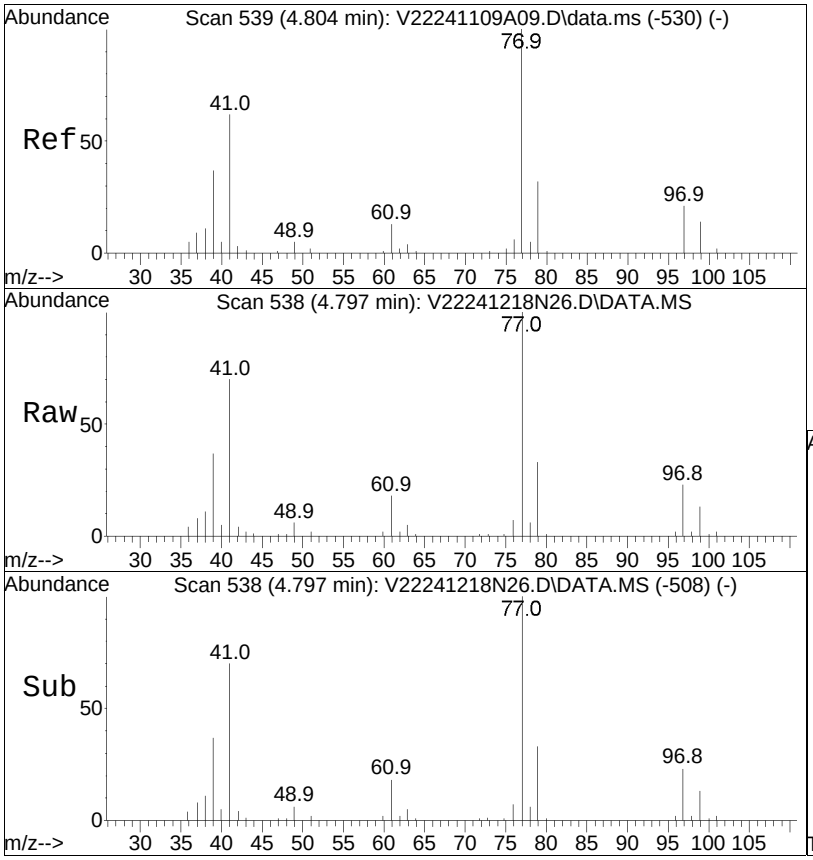


#30
cis-1,2-Dichloroethene
Concen: 10.36 ug/L
RT: 4.693 min Scan# 522
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 96 Resp: 95787

Ion	Ratio	Lower	Upper
96	100		
61	121.2	90.3	135.5
98	64.7	50.8	76.2

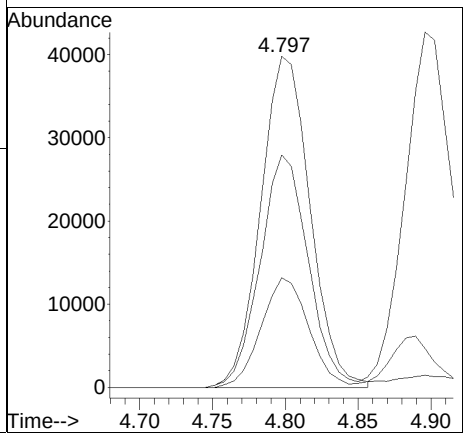


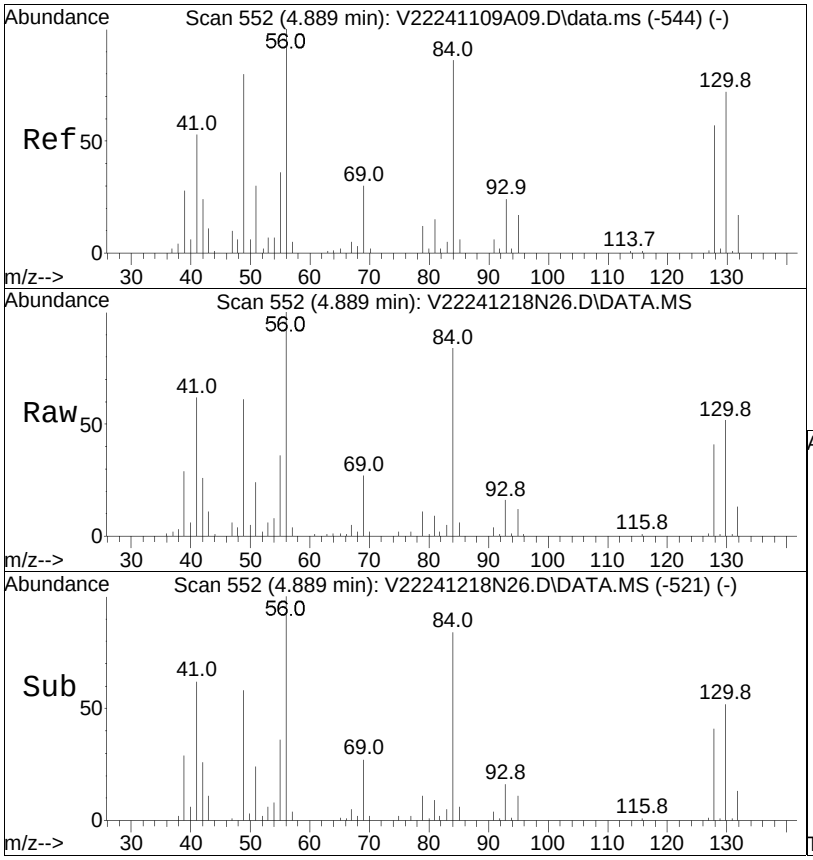


#31
2,2-Dichloropropane
Concen: 8.39 ug/L
RT: 4.797 min Scan# 538
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 77 Resp: 93828

Ion	Ratio	Lower	Upper
77	100		
41	68.4	32.3	67.1#
79	31.8	21.1	43.7

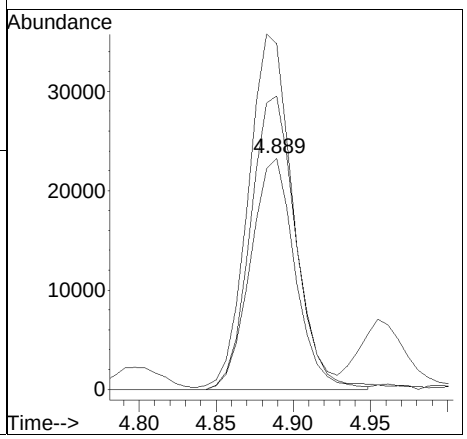


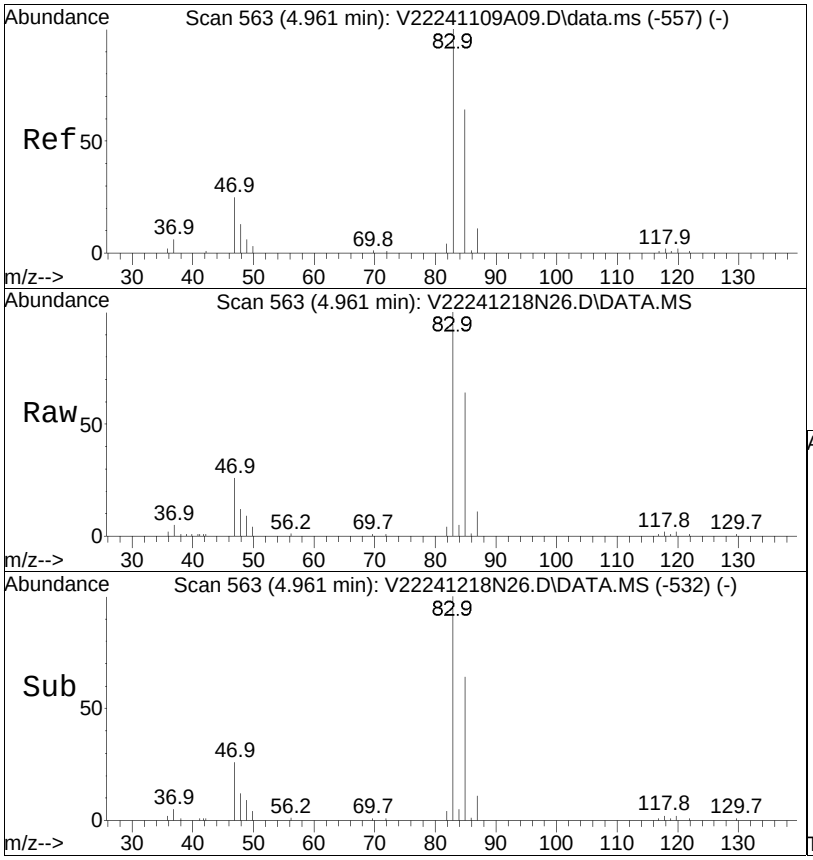


#32
Bromochloromethane
Concen: 10.09 ug/L
RT: 4.889 min Scan# 552
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:128 Resp: 46891

Ion	Ratio	Lower	Upper
128	100		
49	152.4	104.4	156.6
130	130.1	103.9	155.9

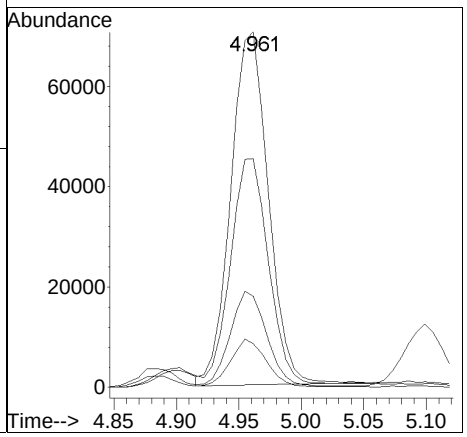


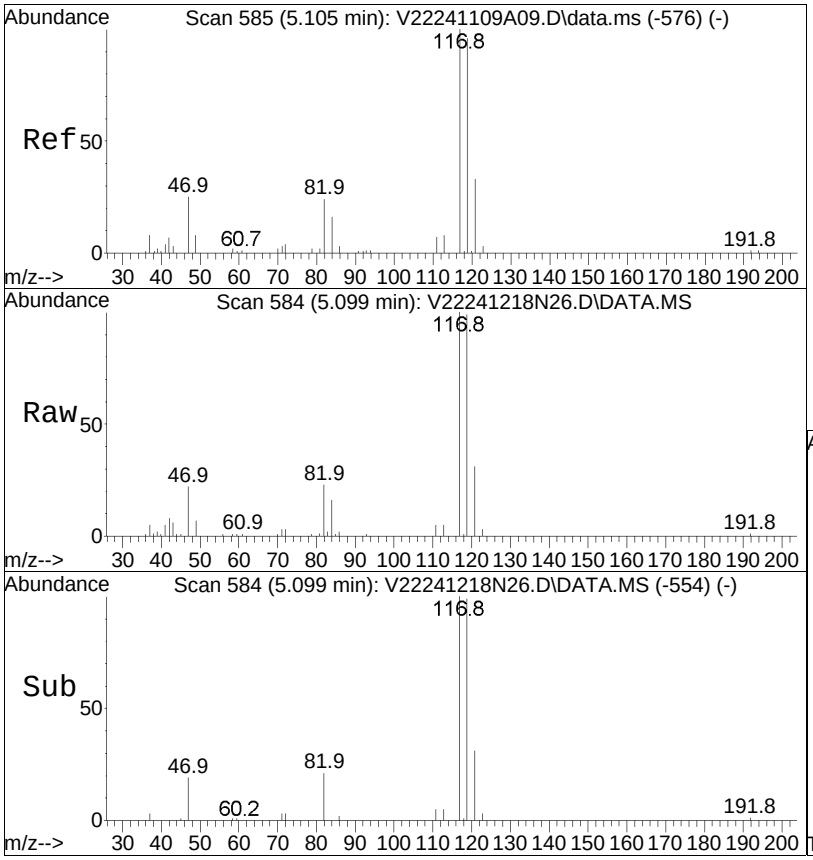


#34
Chloroform
Concen: 9.75 ug/L
RT: 4.961 min Scan# 563
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 83 Resp: 147438

Ion	Ratio	Lower	Upper
83	100		
85	64.3	42.4	88.2
47	25.8	14.0	29.0
48	13.5	6.9	14.3

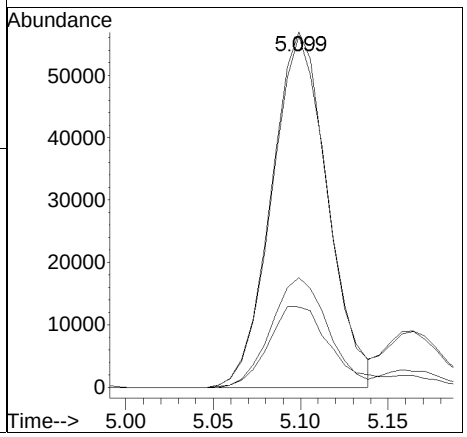


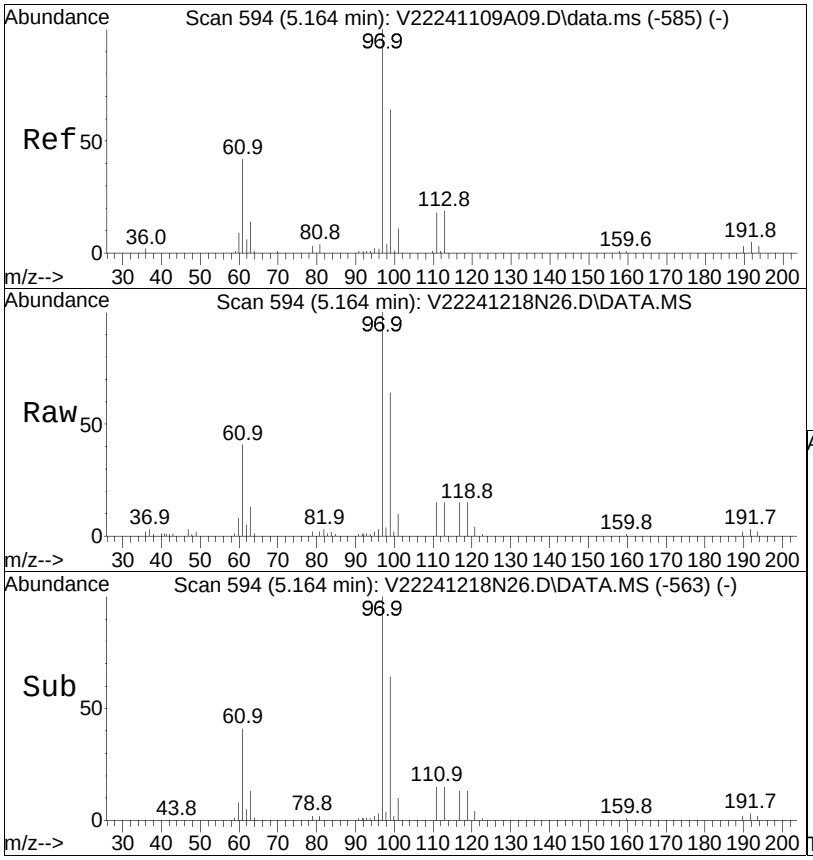


#36
Carbon tetrachloride
Concen: 10.42 ug/L
RT: 5.099 min Scan# 584
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:117 Resp: 127508

Ion	Ratio	Lower	Upper
117	100		
119	97.9	62.1	129.1
121	31.1	20.3	42.3
82	25.9	15.4	32.0

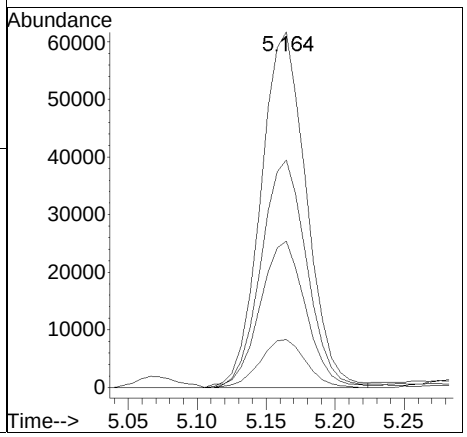


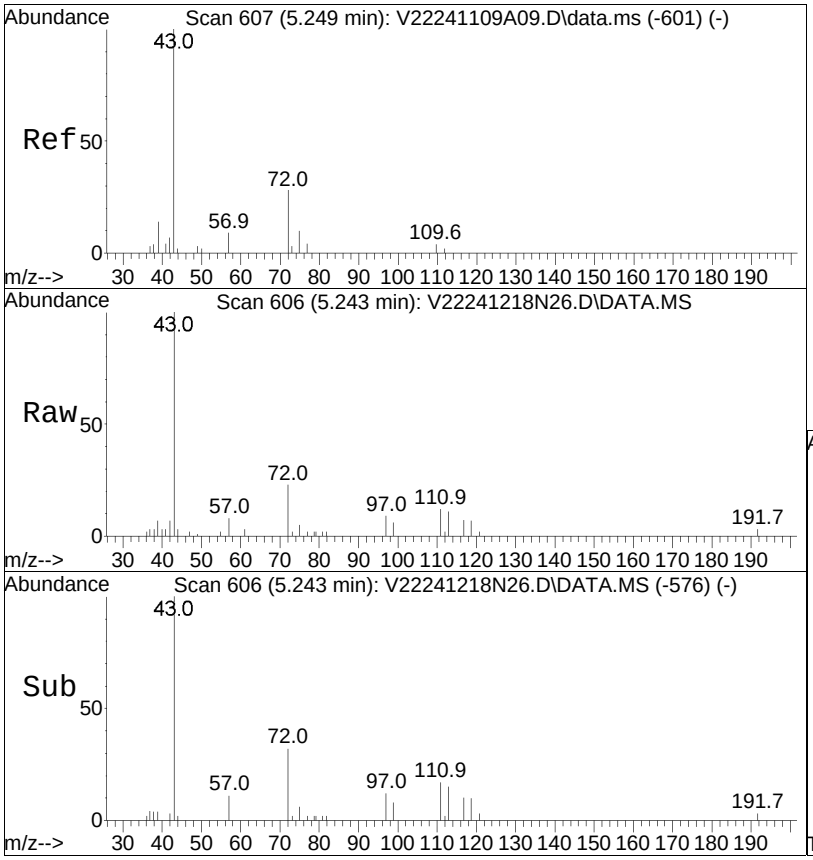


#39
1,1,1-Trichloroethane
Concen: 10.26 ug/L
RT: 5.164 min Scan# 594
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 97 Resp: 141518

Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.4	88.0
61	41.7	26.0	54.0
63	13.5	8.3	17.3

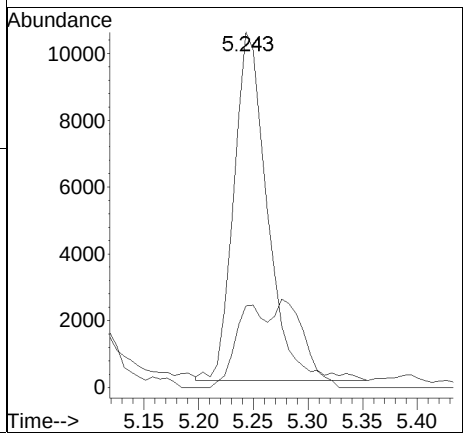


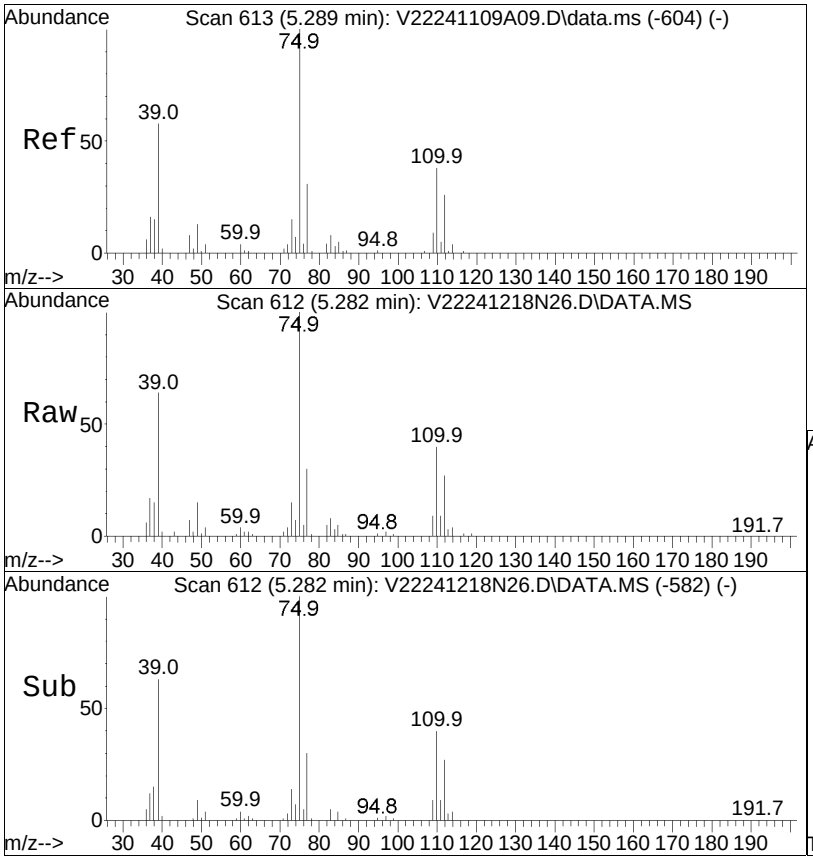


#41
2-Butanone
Concen: 12.20 ug/L
RT: 5.243 min Scan# 606
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 43 Resp: 22326

Ion	Ratio	Lower	Upper
43	100		
72	21.7	45.8	68.8#

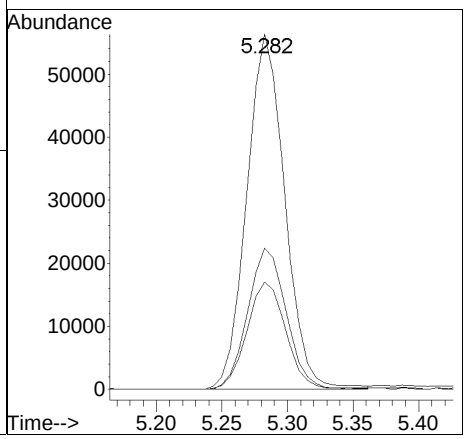


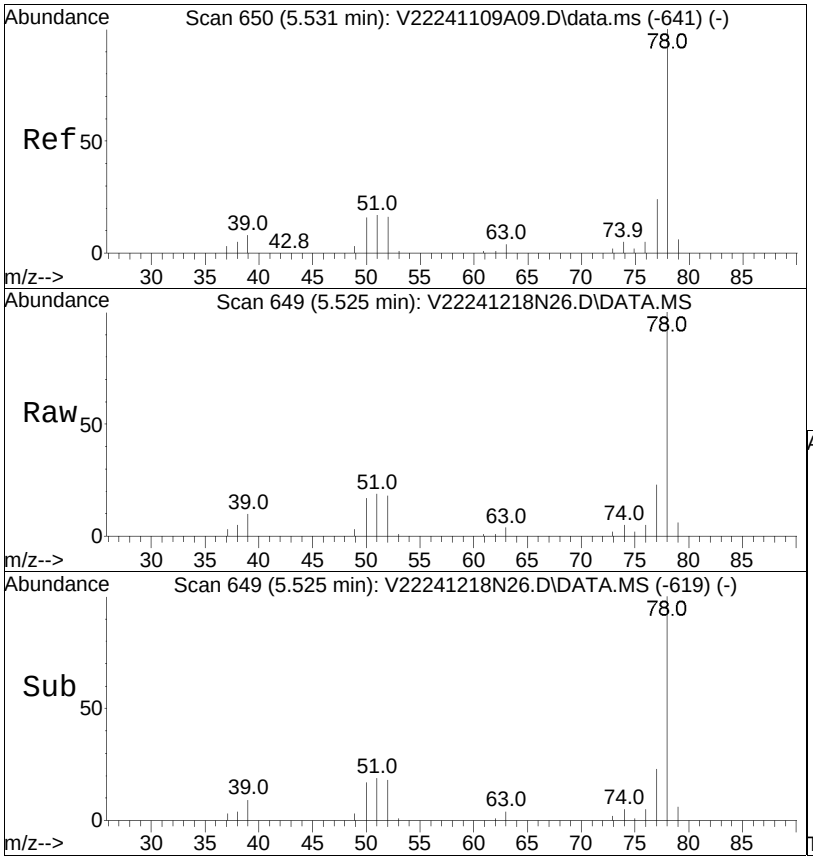


#42
1,1-Dichloropropene
Concen: 10.21 ug/L
RT: 5.282 min Scan# 612
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 75 Resp: 113866

Ion	Ratio	Lower	Upper
75	100		
110	40.2	25.4	52.8
77	30.9	20.3	42.1

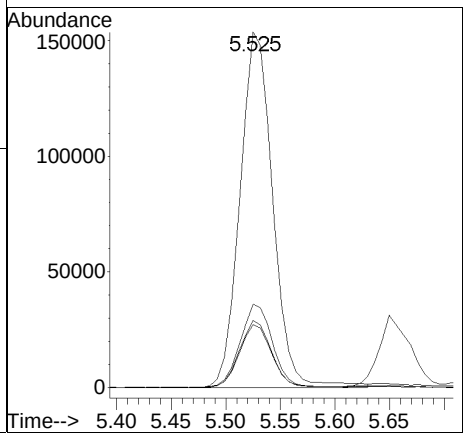


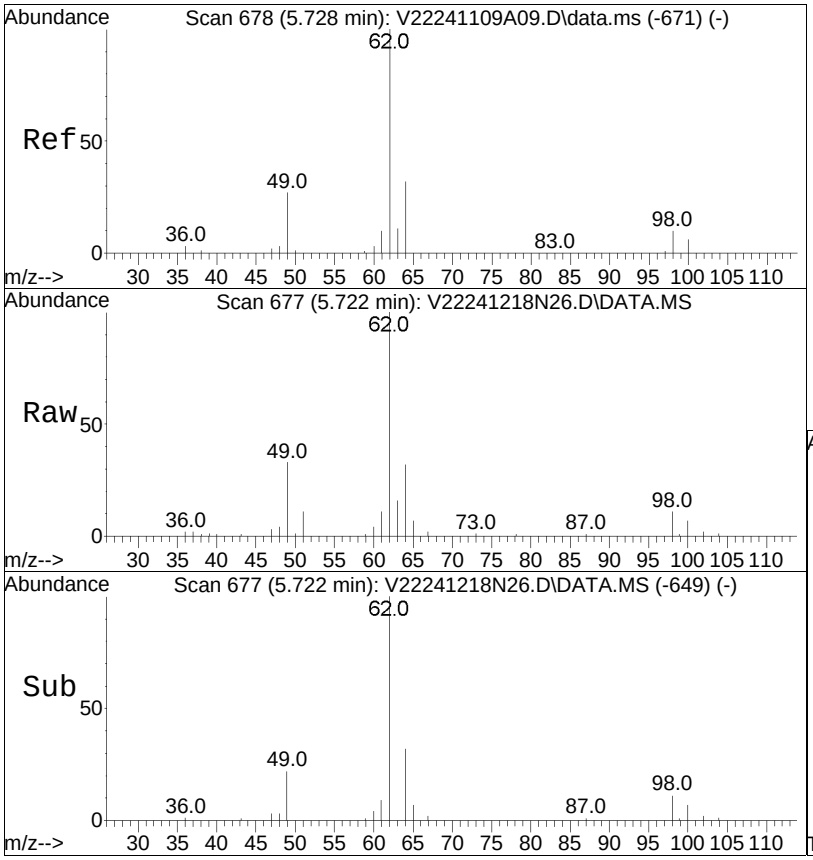


#44
Benzene
Concen: 9.76 ug/L
RT: 5.525 min Scan# 649
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 78 Resp: 321350

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.4	32.0
51	18.2	9.8	20.4
52	17.5	9.2	19.2

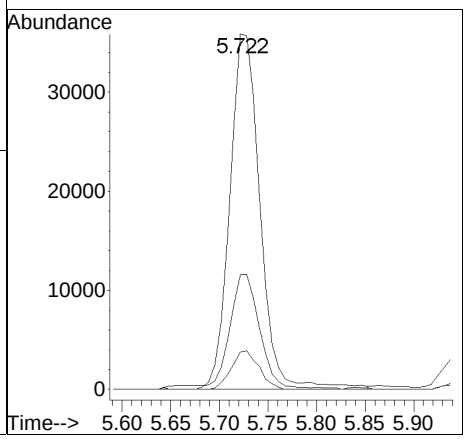


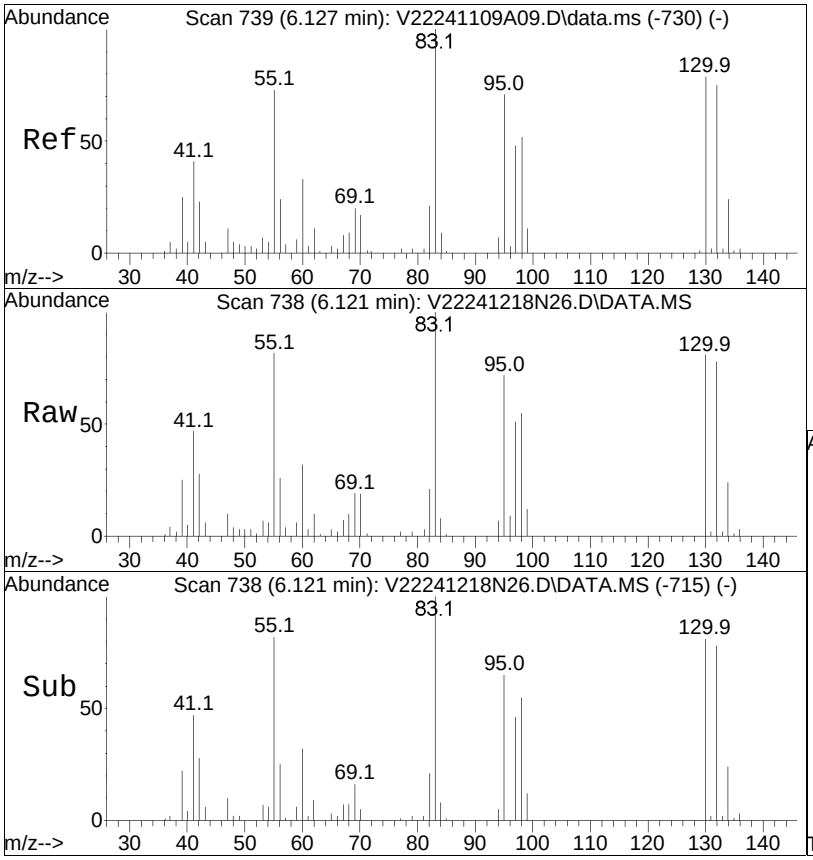


#47
1,2-Dichloroethane
Concen: 9.75 ug/L
RT: 5.722 min Scan# 677
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 62 Resp: 77959

Ion	Ratio	Lower	Upper
62	100		
64	35.6	12.3	52.3
98	10.0	0.0	30.3

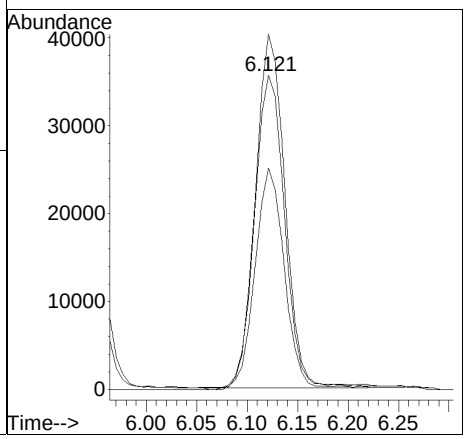


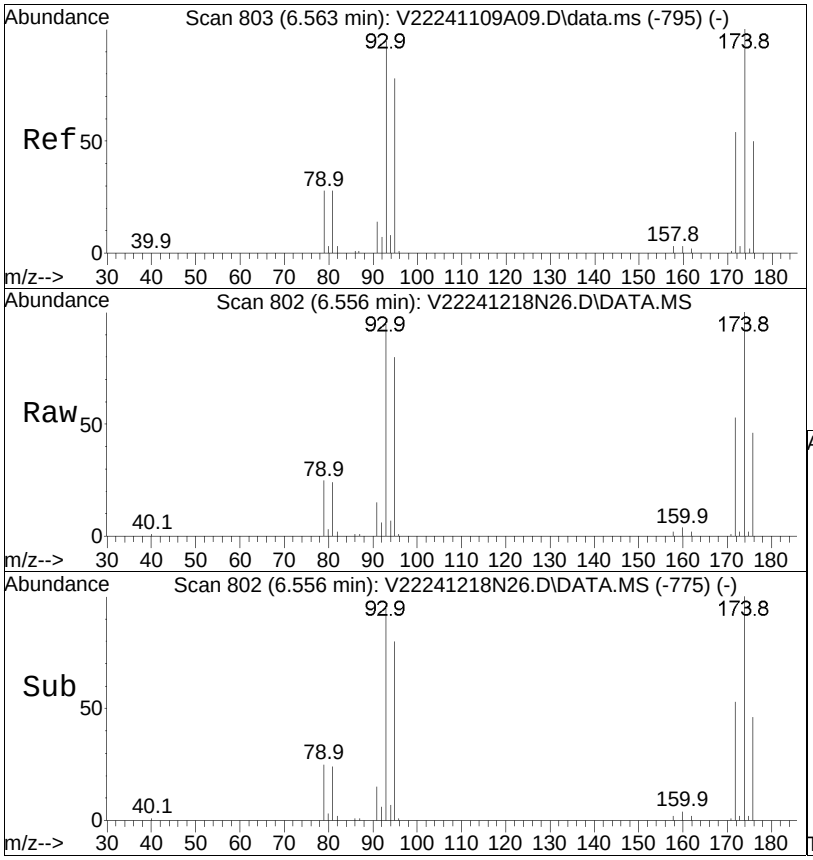


#51
Trichloroethene
Concen: 9.62 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.006 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 95 Resp: 73658

Ion	Ratio	Lower	Upper
95	100		
97	69.1	55.0	82.4
130	111.9	89.2	133.8

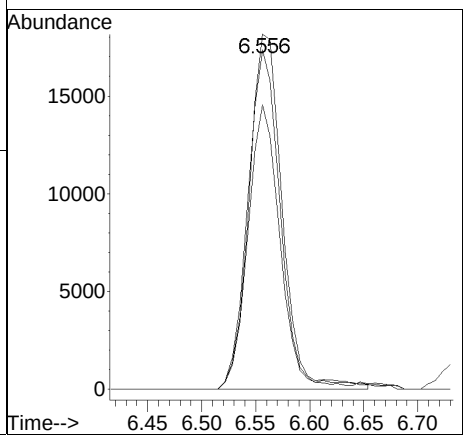


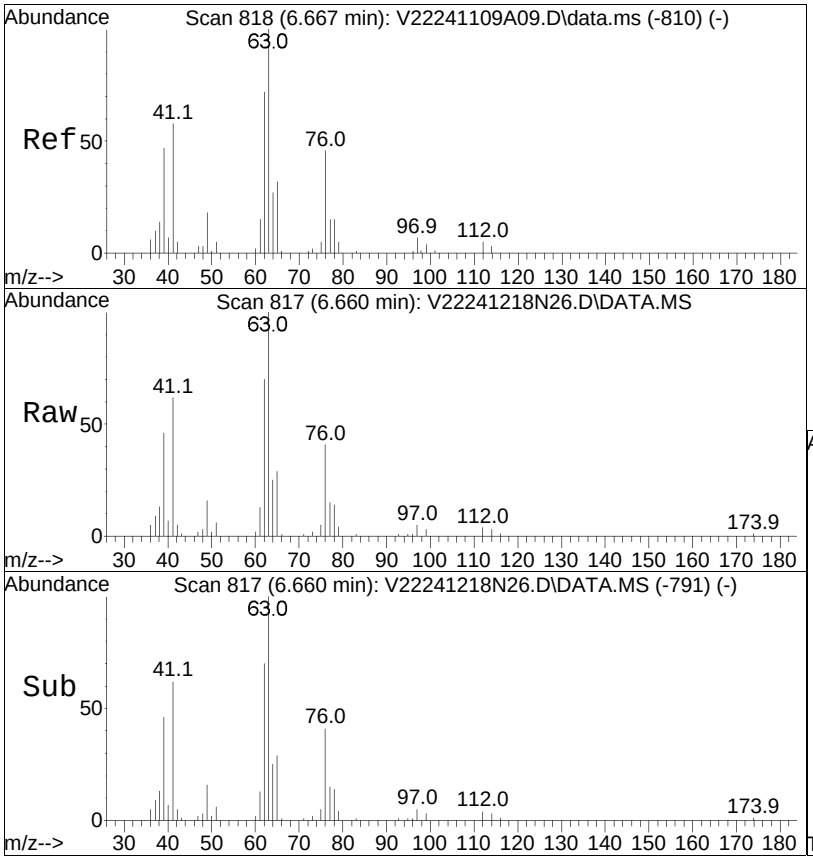


#53
Dibromomethane
Concen: 9.79 ug/L
RT: 6.556 min Scan# 802
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 93 Resp: 39913

Ion	Ratio	Lower	Upper
93	100		
95	82.9	68.0	102.0
174	105.5	106.1	159.1#

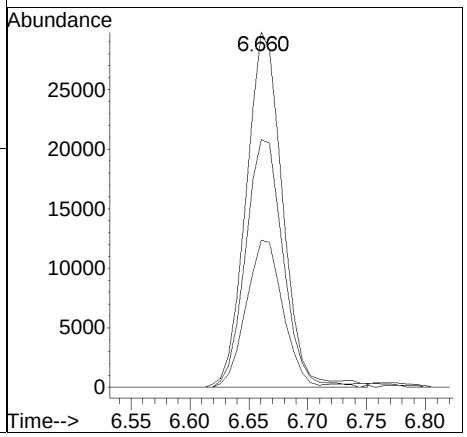


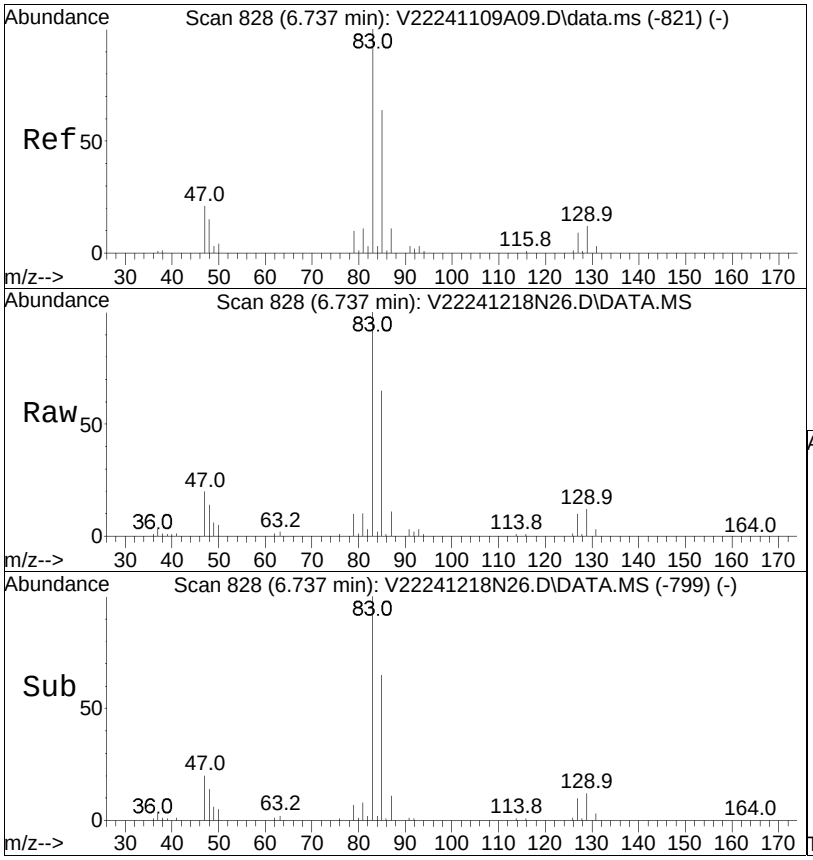


#54
1,2-Dichloropropane
Concen: 9.73 ug/L
RT: 6.660 min Scan# 817
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 63 Resp: 64381

Ion	Ratio	Lower	Upper
63	100		
62	71.8	56.9	85.3
76	41.8	35.8	53.8

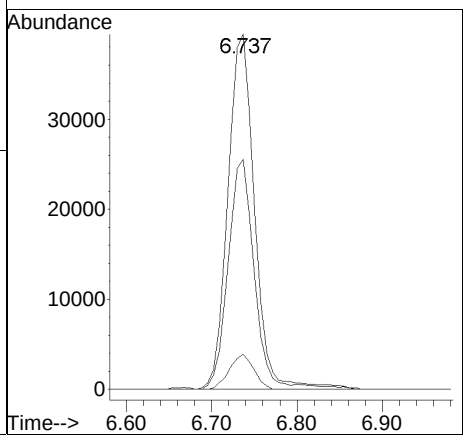


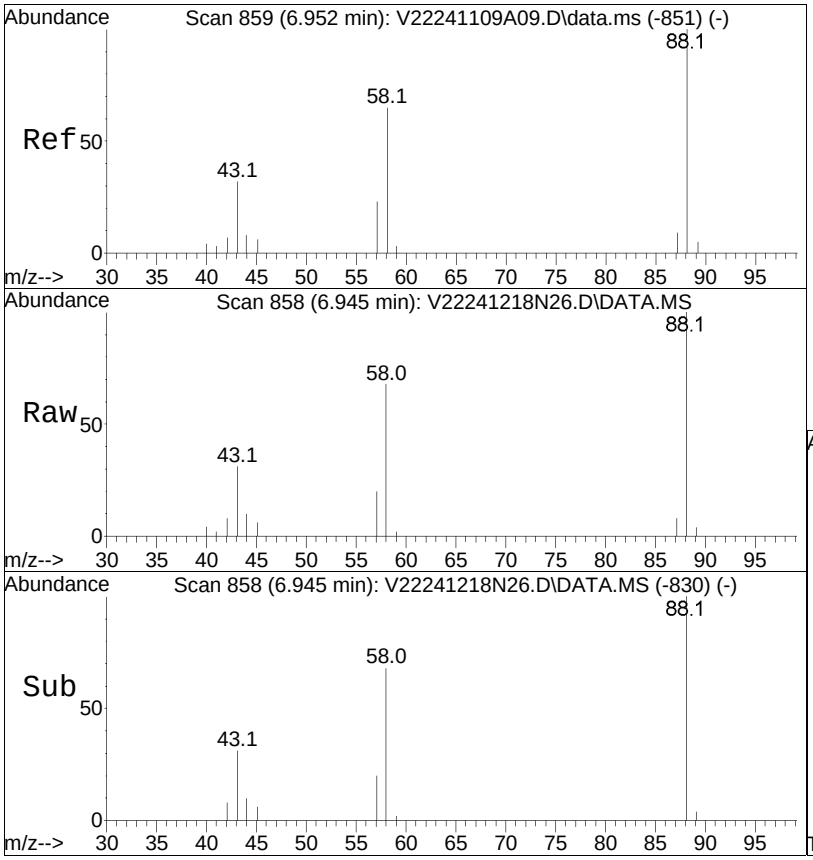


#57
Bromodichloromethane
Concen: 9.39 ug/L
RT: 6.737 min Scan# 828
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 83 Resp: 86282

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4
127	9.1	7.4	11.0

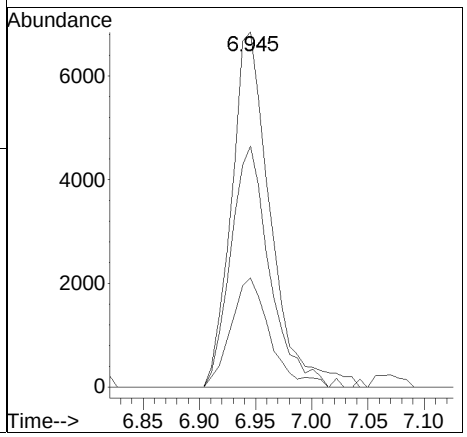


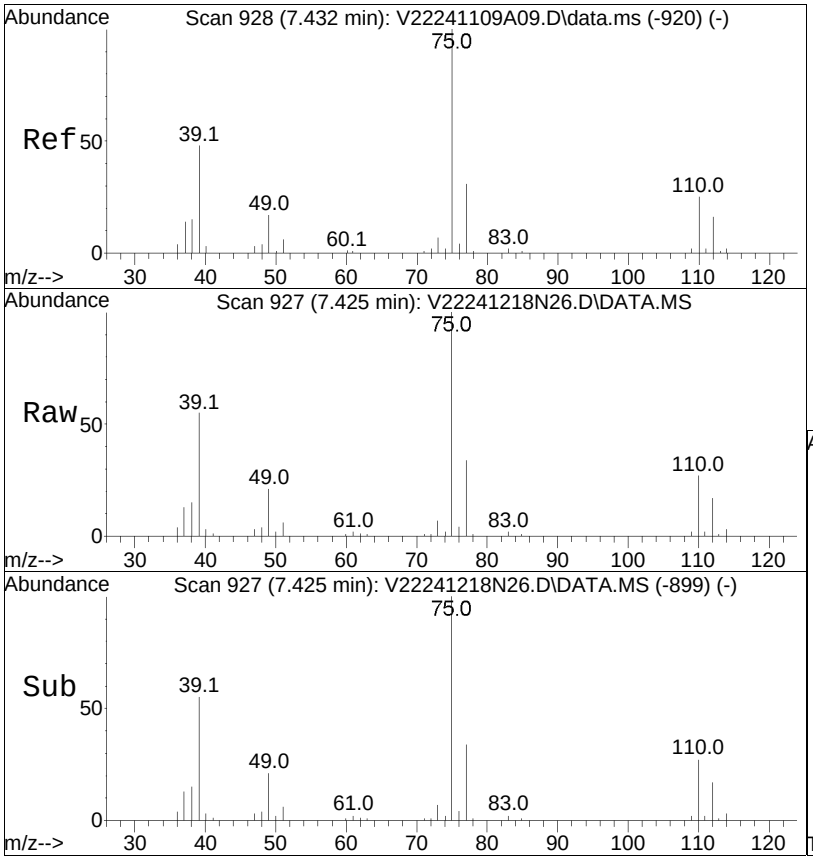


#60
1,4-Dioxane
Concen: 520.41 ug/L
RT: 6.945 min Scan# 858
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 88 Resp: 16578

Ion	Ratio	Lower	Upper
88	100		
58	68.3	43.3	64.9#
43	30.8	15.1	22.7#

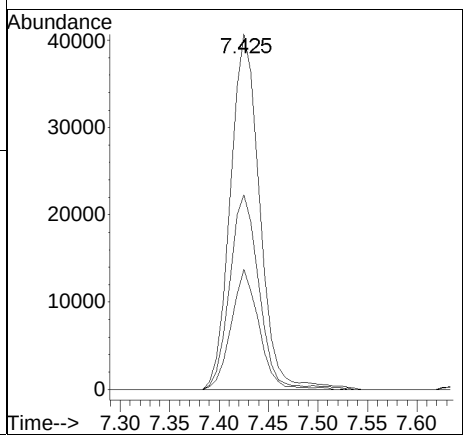


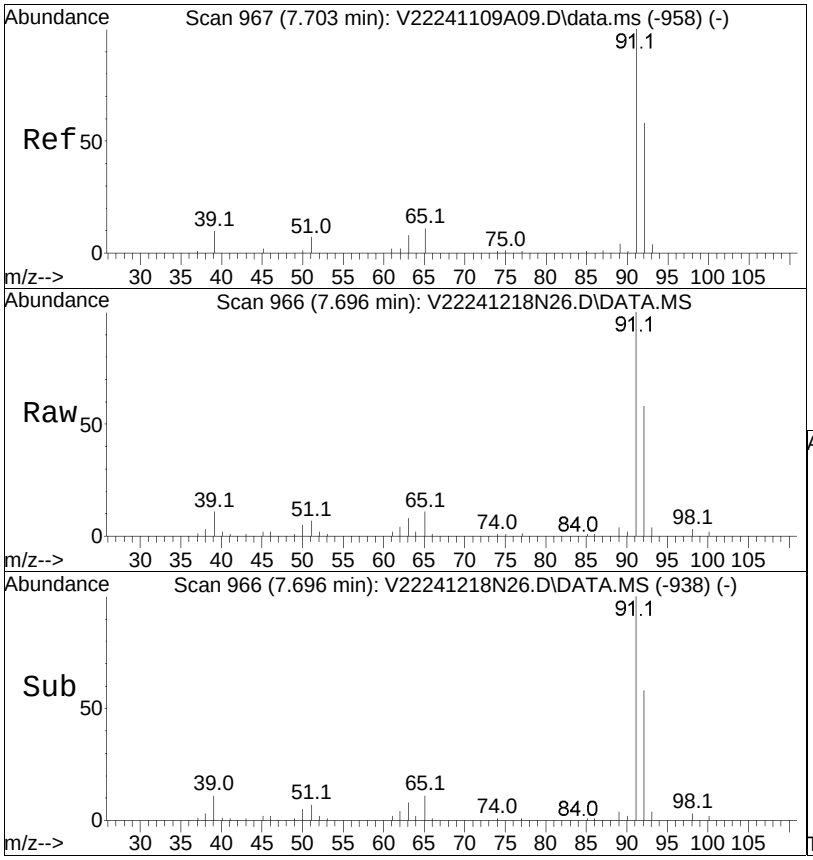


#61
cis-1,3-Dichloropropene
Concen: 8.80 ug/L
RT: 7.425 min Scan# 927
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 75 Resp: 84178

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	53.8	35.4	53.0#

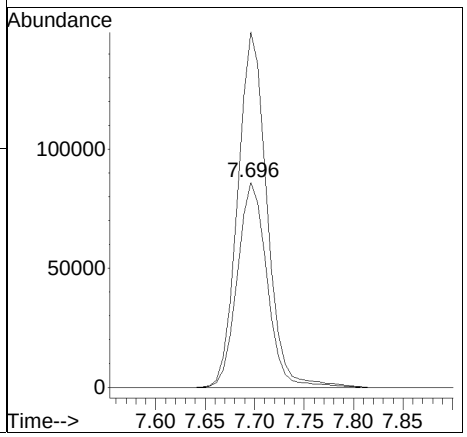


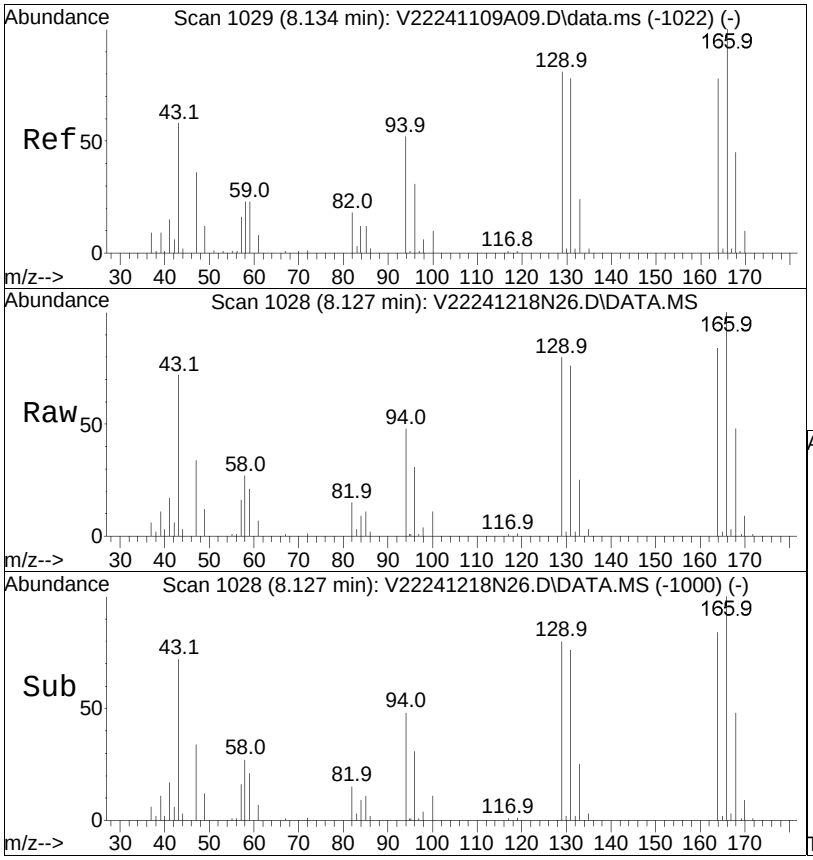


#64
Toluene
Concen: 10.05 ug/L
RT: 7.696 min Scan# 966
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 92 Resp: 179897

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.0	205.6

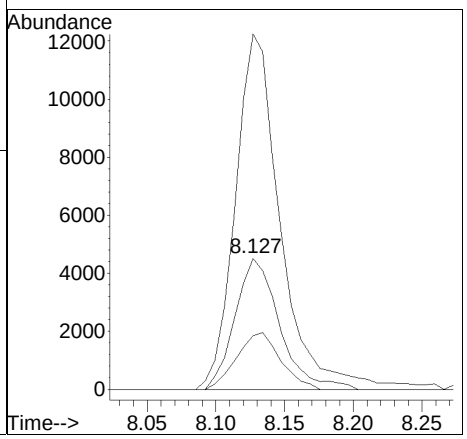


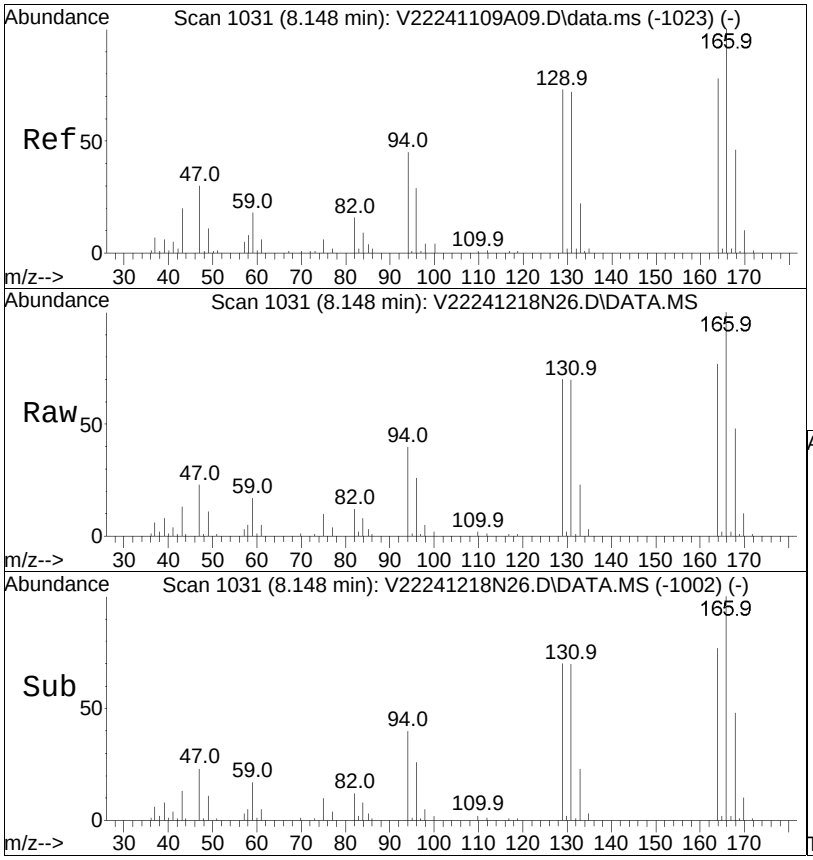


#65
4-Methyl-2-pentanone
Concen: 8.27 ug/L
RT: 8.127 min Scan# 1028
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 58 Resp: 10187

Ion	Ratio	Lower	Upper
58	100		
100	42.7	36.2	54.4
43	276.8	181.8	272.8#

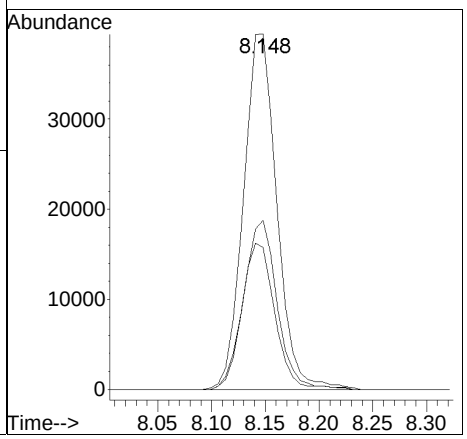


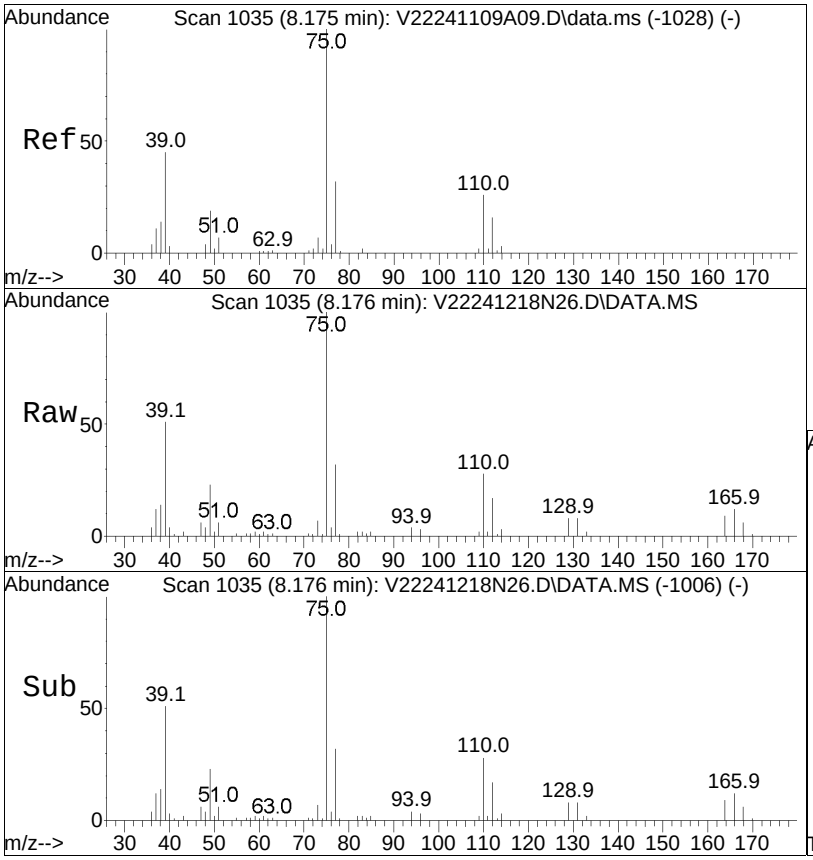


#66
Tetrachloroethene
Concen: 10.40 ug/L
RT: 8.148 min Scan# 1031
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:166 Resp: 85287

Ion	Ratio	Lower	Upper
166	100		
168	47.3	27.8	67.8
94	41.1	16.7	56.7

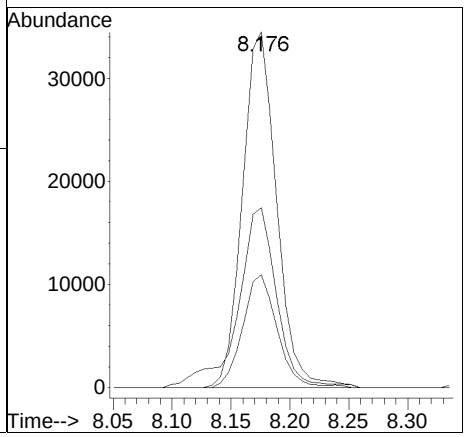


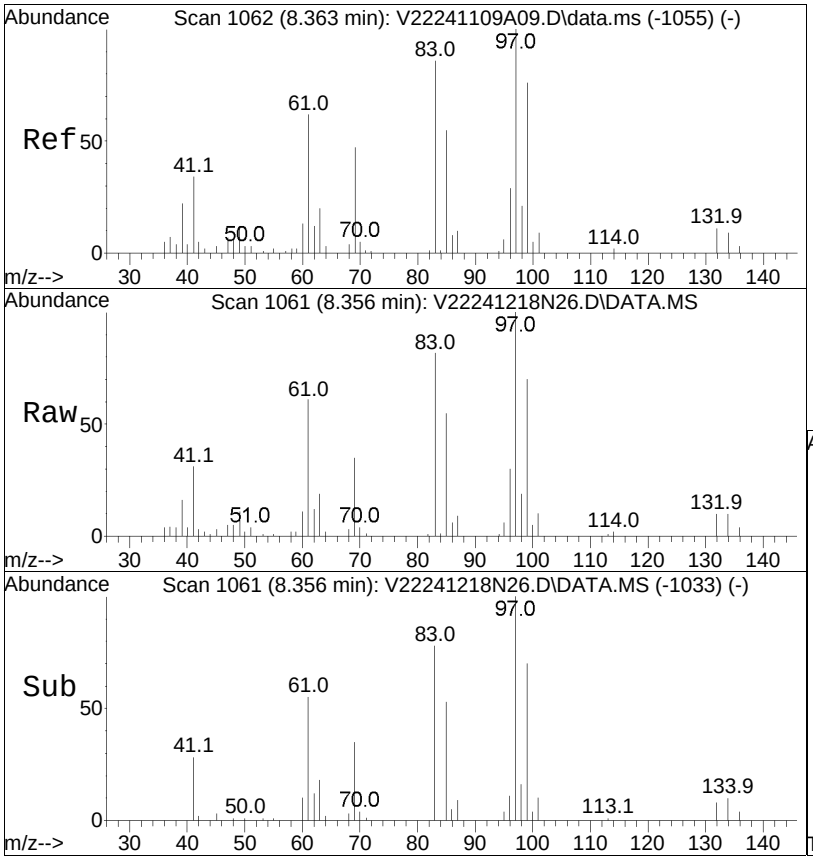


#68
trans-1,3-Dichloropropene
Concen: 8.50 ug/L
RT: 8.176 min Scan# 1035
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 75 Resp: 69464

Ion	Ratio	Lower	Upper
75	100		
77	31.9	11.9	51.9
39	57.1	27.4	67.4

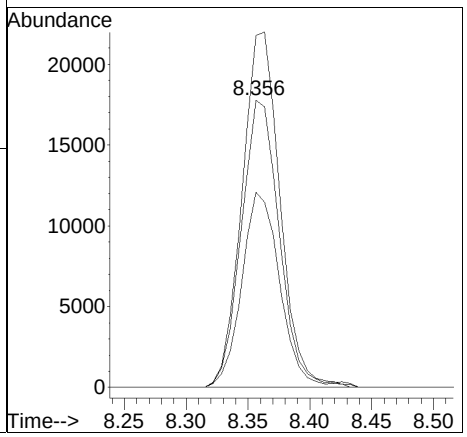


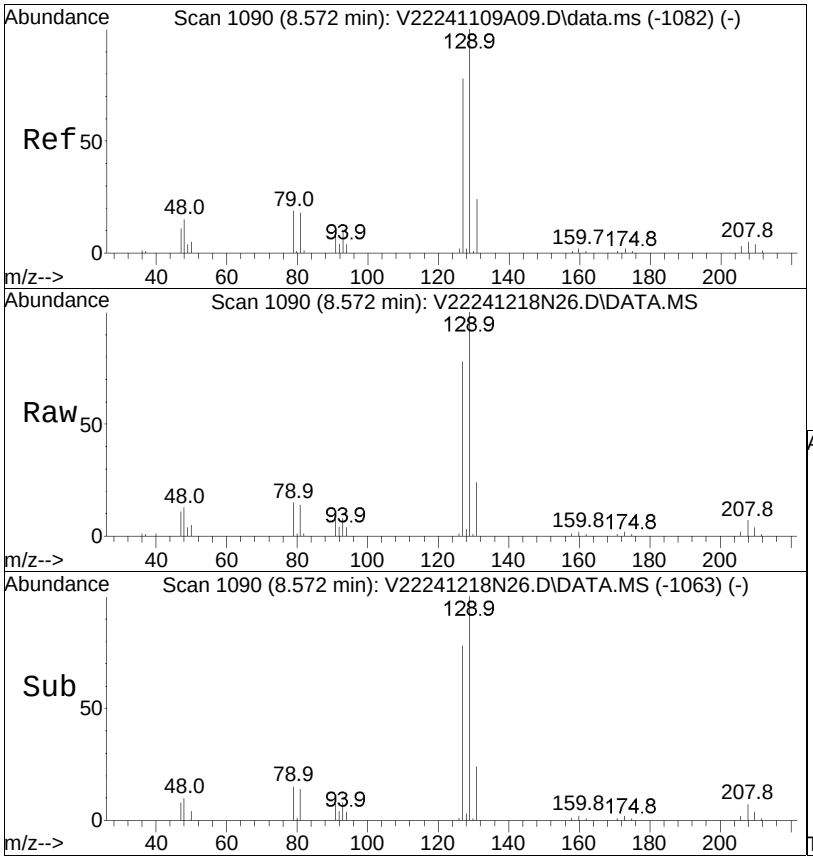


#71
1,1,2-Trichloroethane
Concen: 9.12 ug/L
RT: 8.356 min Scan# 1061
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 83 Resp: 38102

Ion	Ratio	Lower	Upper
83	100		
97	123.8	103.4	143.4
85	67.9	47.9	87.9

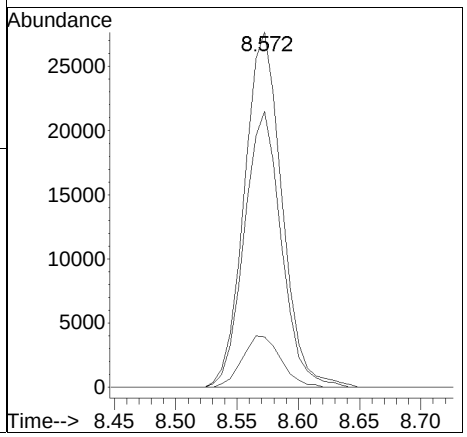


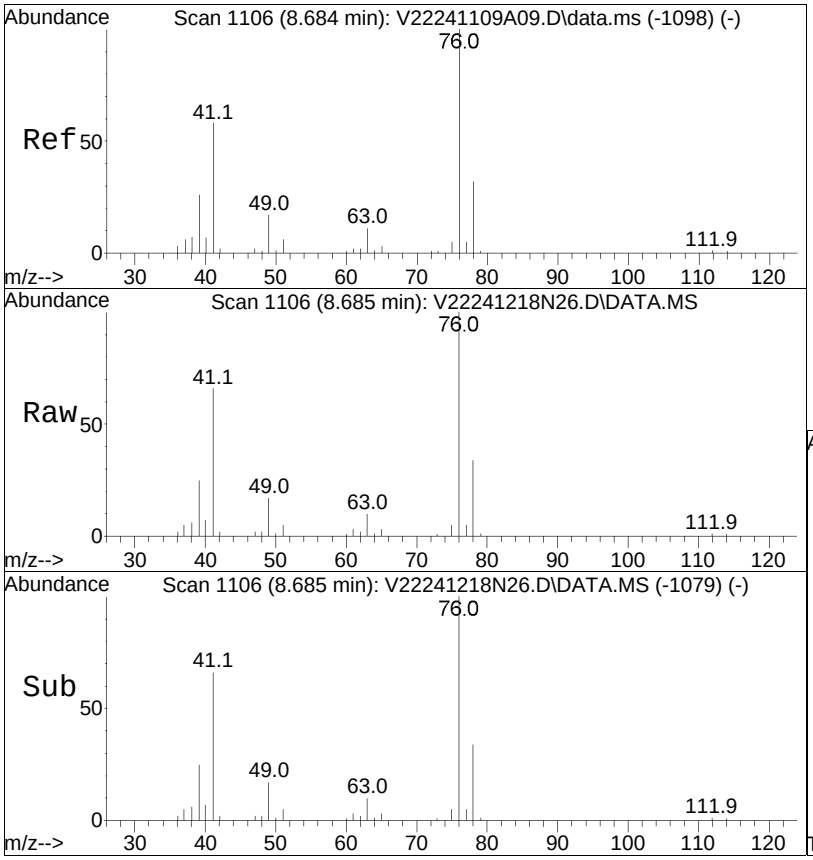


#72
Chlorodibromomethane
Concen: 8.60 ug/L
RT: 8.572 min Scan# 1090
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:129 Resp: 59165

Ion	Ratio	Lower	Upper
129	100		
81	14.9	0.0	33.8
127	76.8	57.1	97.1

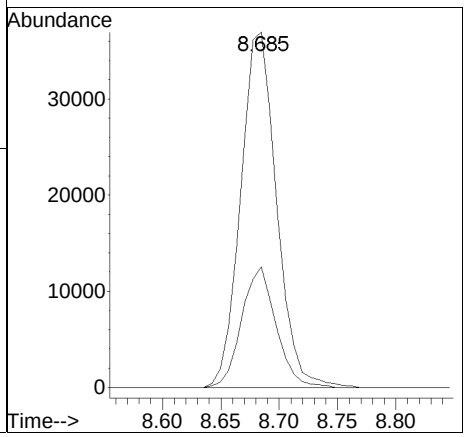


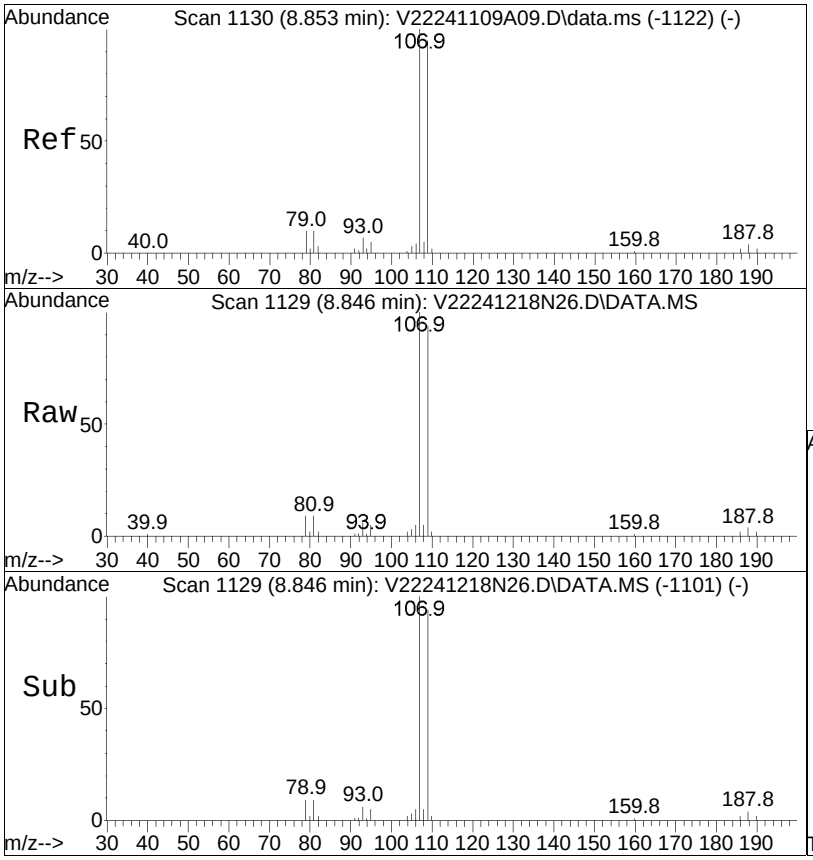


#73
1,3-Dichloropropane
Concen: 9.18 ug/L
RT: 8.685 min Scan# 1106
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 76 Resp: 78996

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

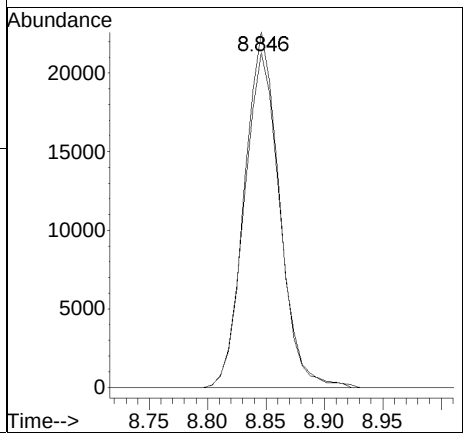


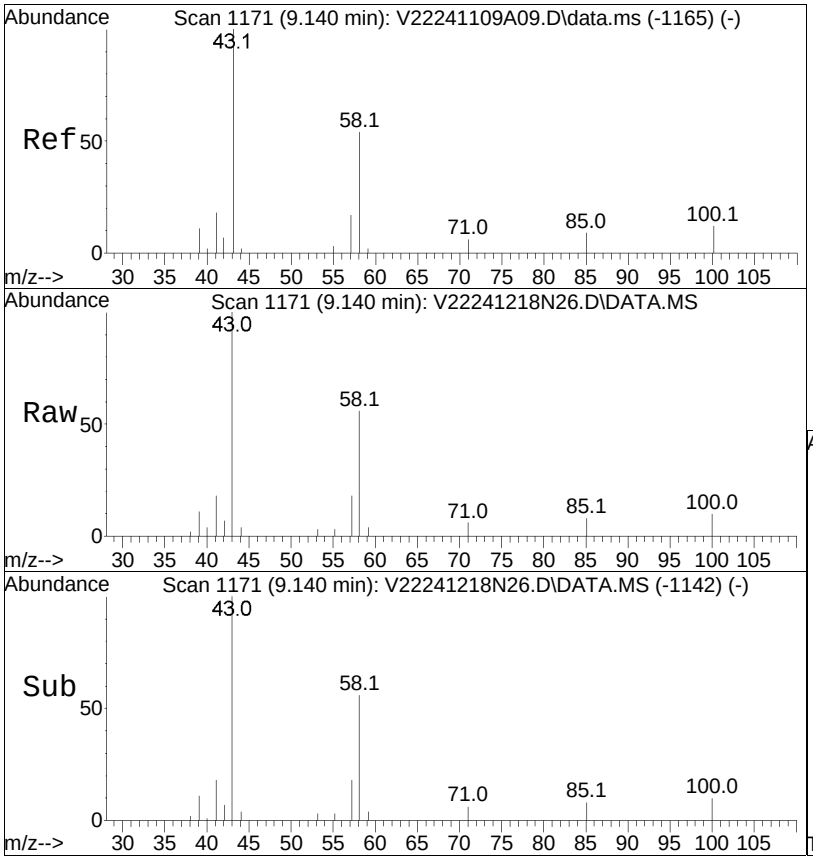


#74
1,2-Dibromoethane
Concen: 9.16 ug/L
RT: 8.846 min Scan# 1129
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:107 Resp: 47080

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.1	112.7

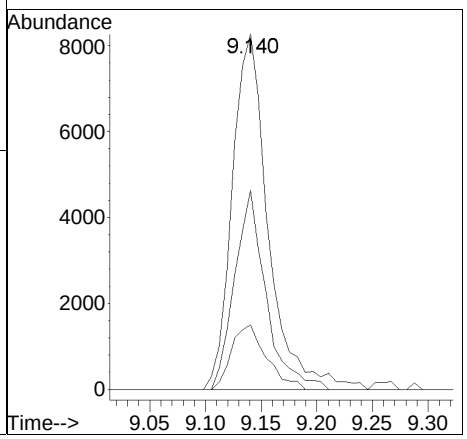


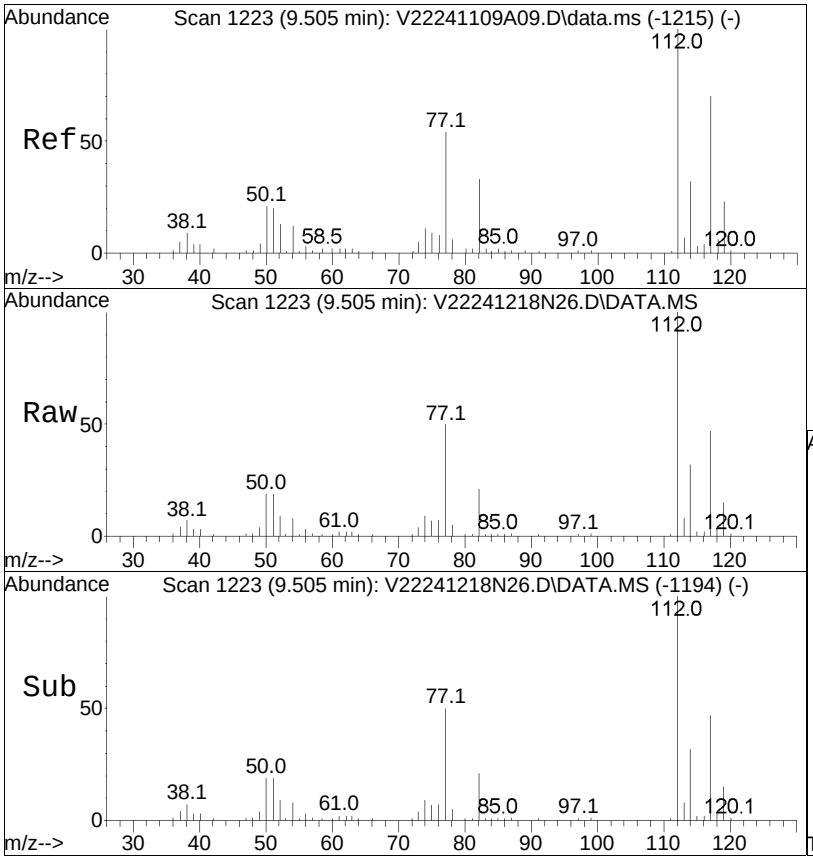


#76
2-Hexanone
Concen: 9.30 ug/L
RT: 9.140 min Scan# 1171
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 43 Resp: 18617

Ion	Ratio	Lower	Upper
43	100		
58	48.8	47.6	71.4
57	17.7	16.6	24.8

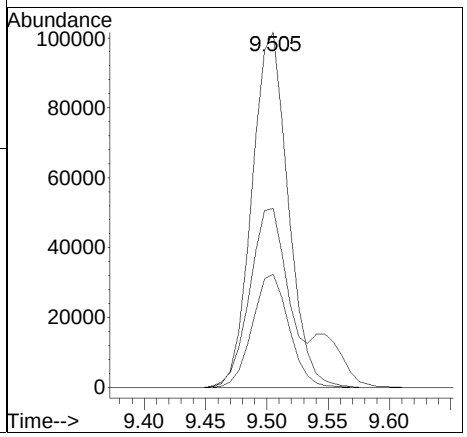


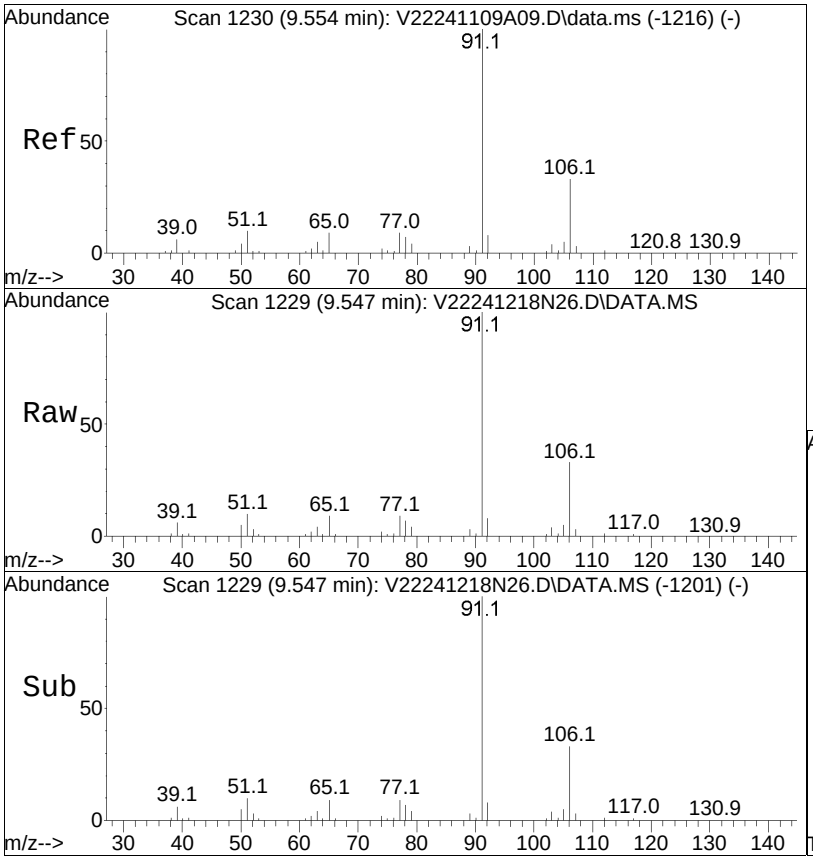


#77
Chlorobenzene
Concen: 10.07 ug/L
RT: 9.505 min Scan# 1223
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:112 Resp: 208235

Ion	Ratio	Lower	Upper
112	100		
77	54.9	55.4	83.0#
114	32.3	26.2	39.4

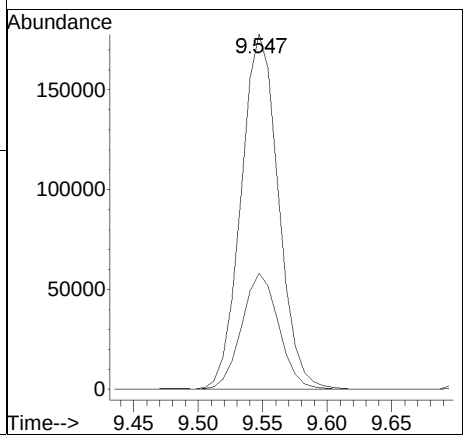


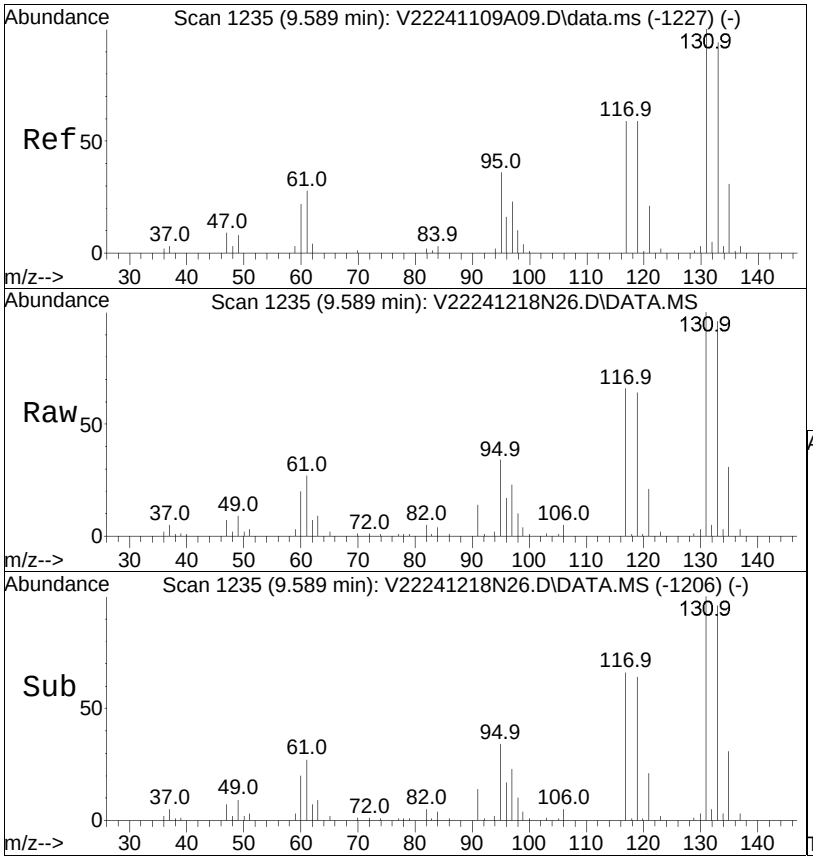


#78
Ethylbenzene
Concen: 10.08 ug/L
RT: 9.547 min Scan# 1229
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 91 Resp: 358629

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.8	38.6

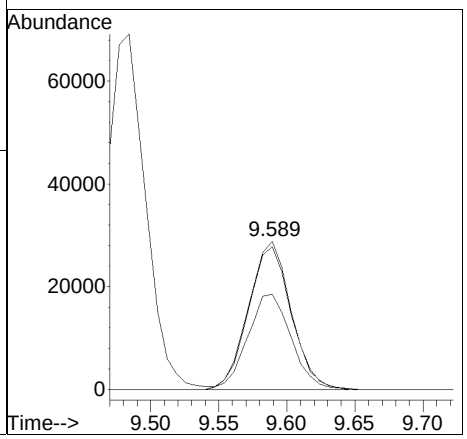


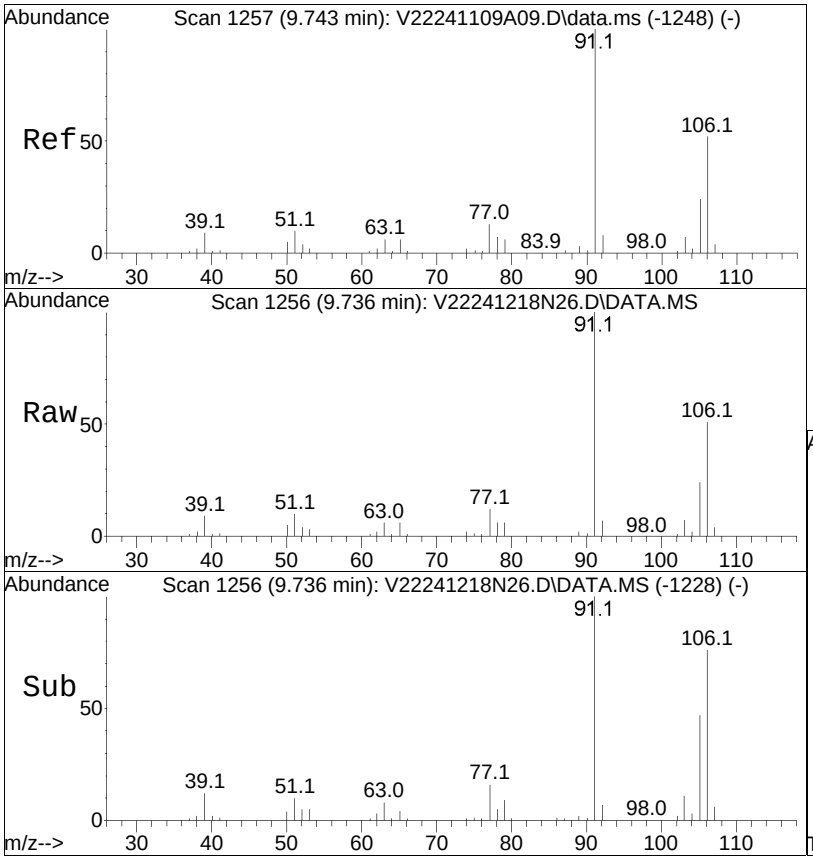


#79
1,1,1,2-Tetrachloroethane
Concen: 8.95 ug/L
RT: 9.589 min Scan# 1235
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:131 Resp: 62666

Ion	Ratio	Lower	Upper
131	100		
133	96.9	75.3	115.3
119	65.1	49.3	89.3

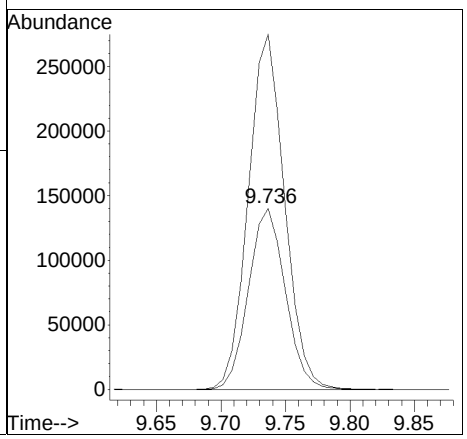


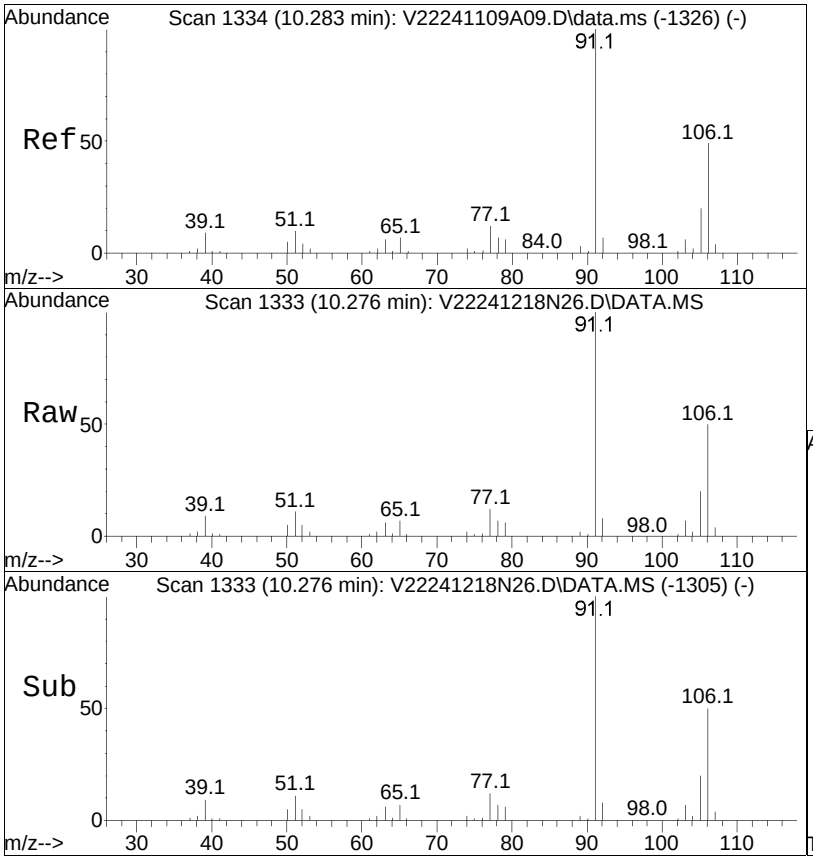


#80
p/m Xylene
Concen: 18.92 ug/L
RT: 9.736 min Scan# 1256
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:106 Resp: 277776

Ion	Ratio	Lower	Upper
106	100		
91	193.4	156.0	234.0

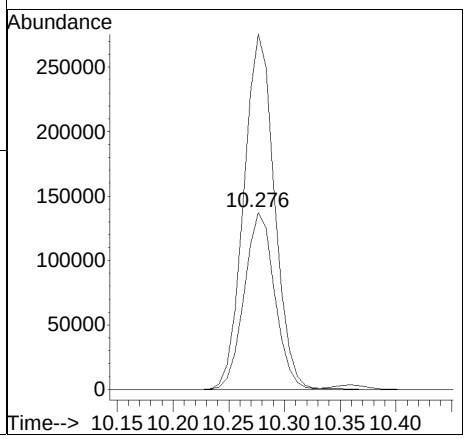


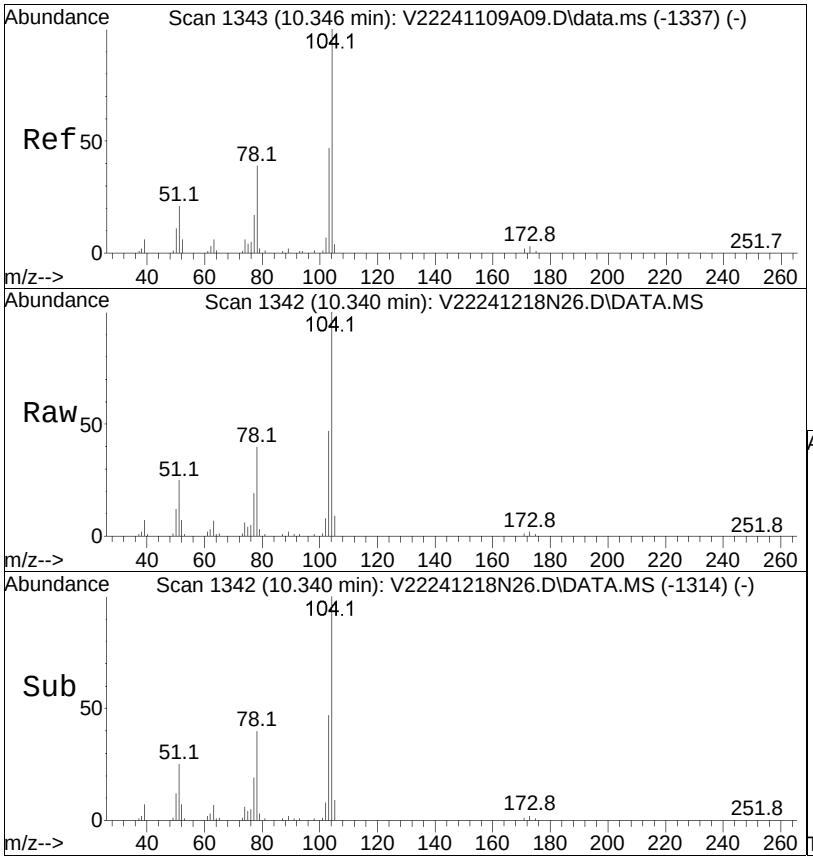


#81
o Xylene
Concen: 18.74 ug/L
RT: 10.276 min Scan# 1333
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:106 Resp: 262302

Ion	Ratio	Lower	Upper
106	100		
91	201.3	164.0	246.0

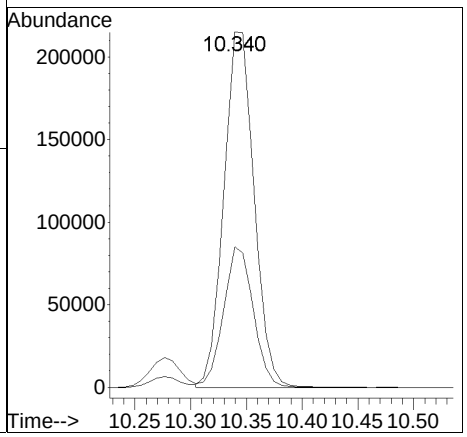


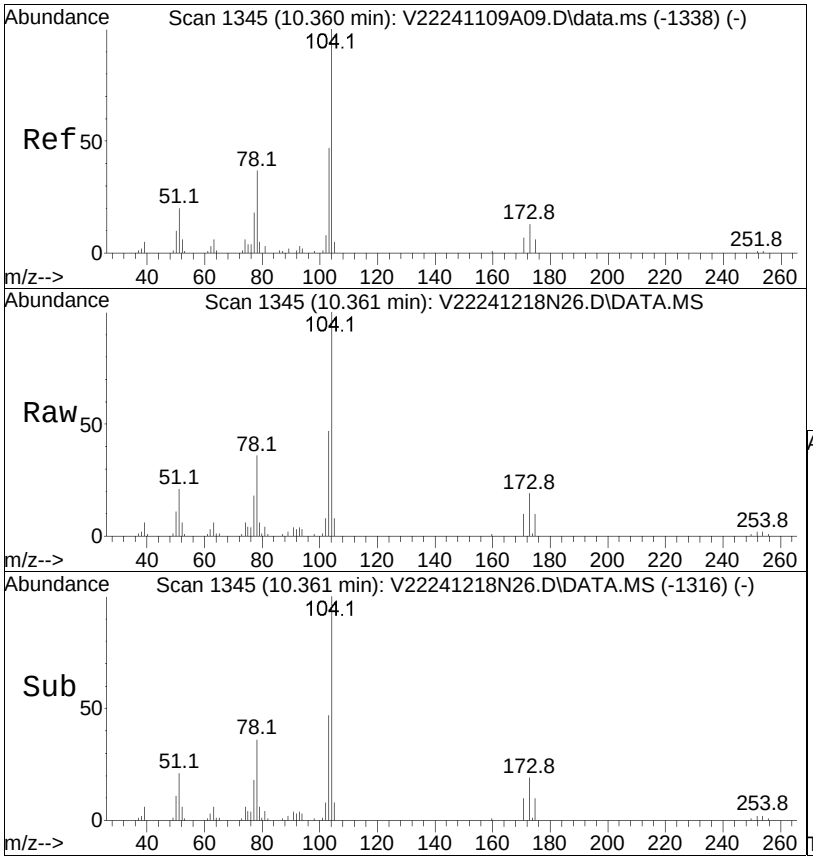


#82
Styrene
Concen: 18.09 ug/L
RT: 10.340 min Scan# 1342
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:104 Resp: 407110

Ion	Ratio	Lower	Upper
104	100		
78	38.9	32.1	48.1

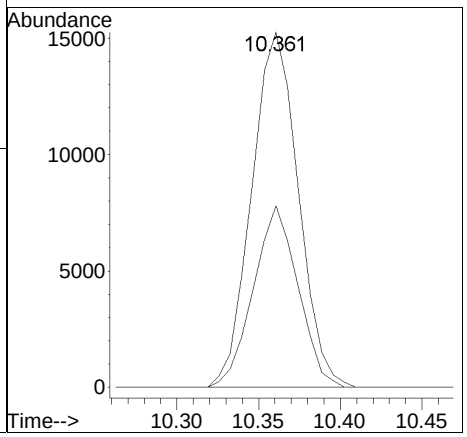


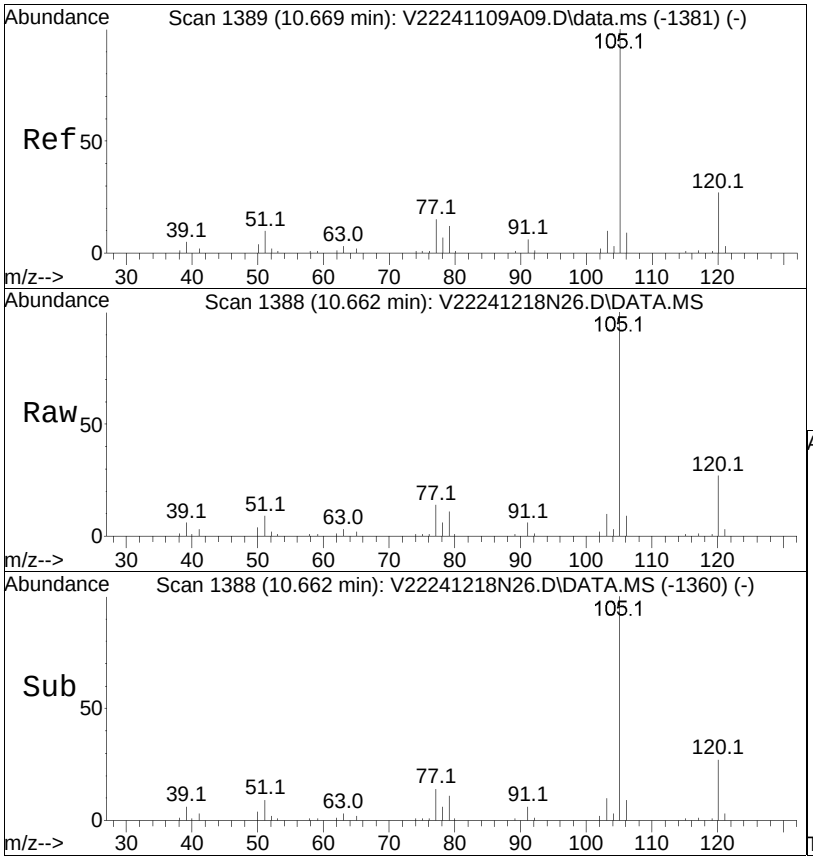


#84
Bromoform
Concen: 8.24 ug/L
RT: 10.361 min Scan# 1345
Delta R.T. 0.001 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:173 Resp: 30274

Ion	Ratio	Lower	Upper
173	100		
175	48.9	29.3	69.3

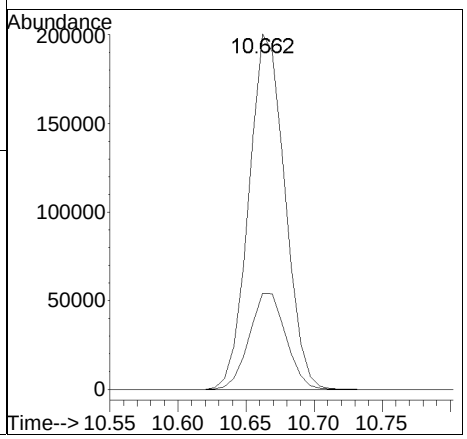


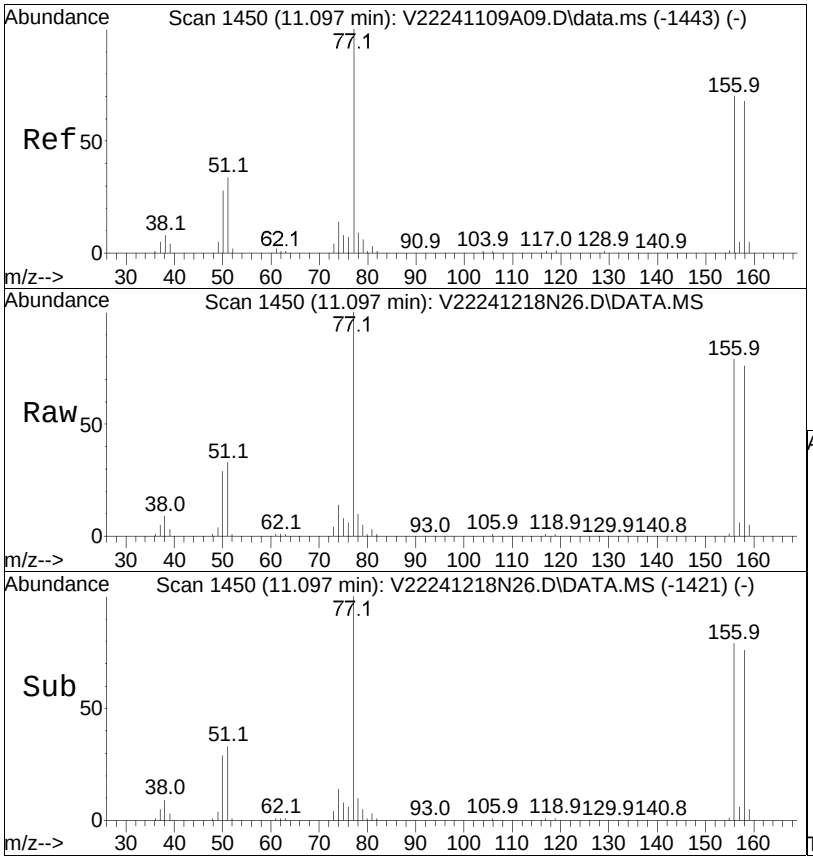


#86
Isopropylbenzene
Concen: 10.57 ug/L
RT: 10.662 min Scan# 1388
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:105 Resp: 368510

Ion	Ratio	Lower	Upper
105	100		
120	27.6	7.7	47.7

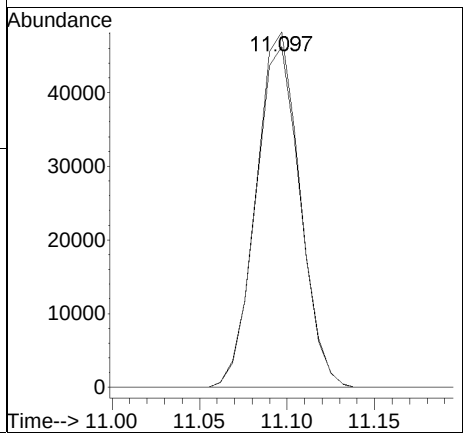


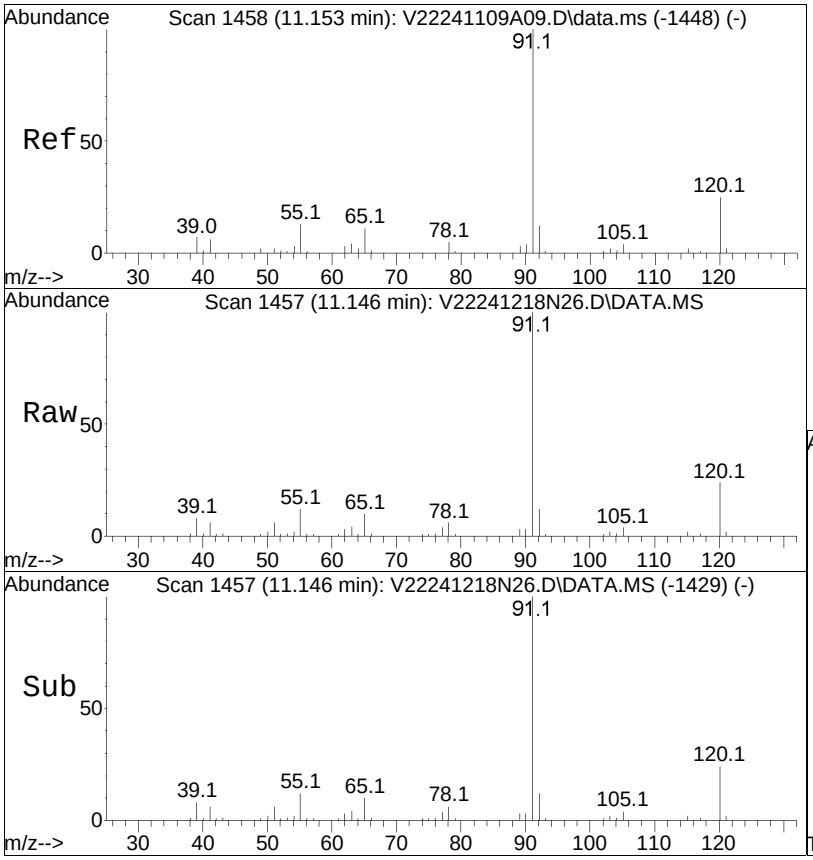


#88
Bromobenzene
Concen: 10.30 ug/L
RT: 11.097 min Scan# 1450
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:156 Resp: 84303

Ion	Ratio	Lower	Upper
156	100		
158	96.7	77.9	116.9

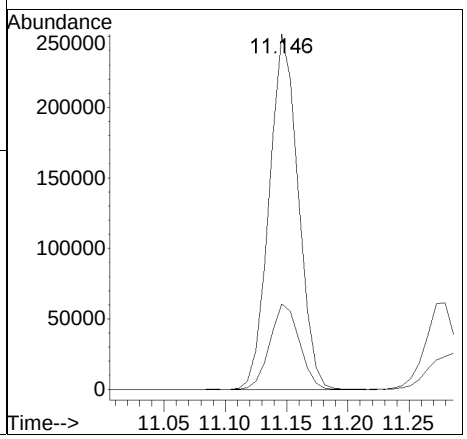


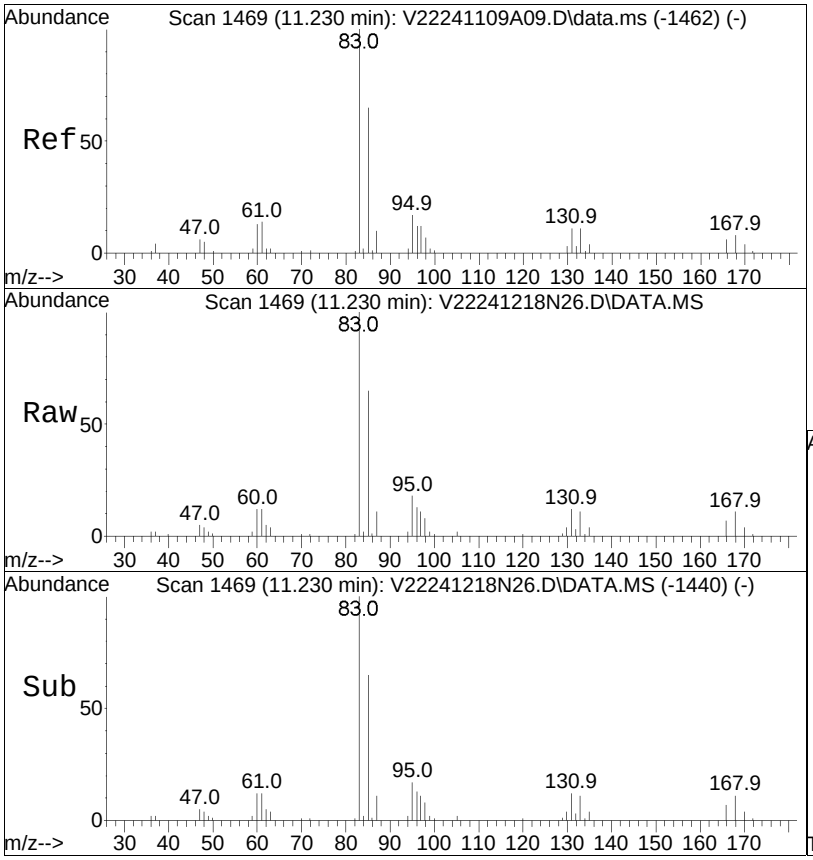


#89
n-Propylbenzene
Concen: 10.21 ug/L
RT: 11.146 min Scan# 1457
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 91 Resp: 414242

Ion	Ratio	Lower	Upper
91	100		
120	24.4	19.5	29.3

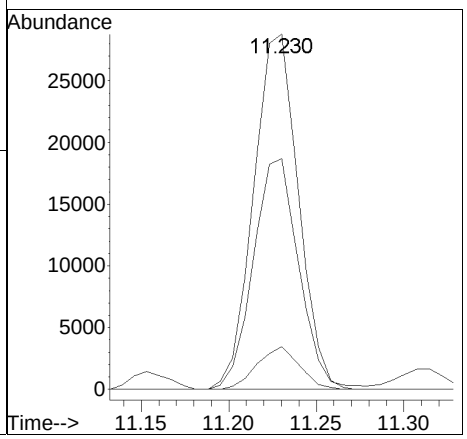


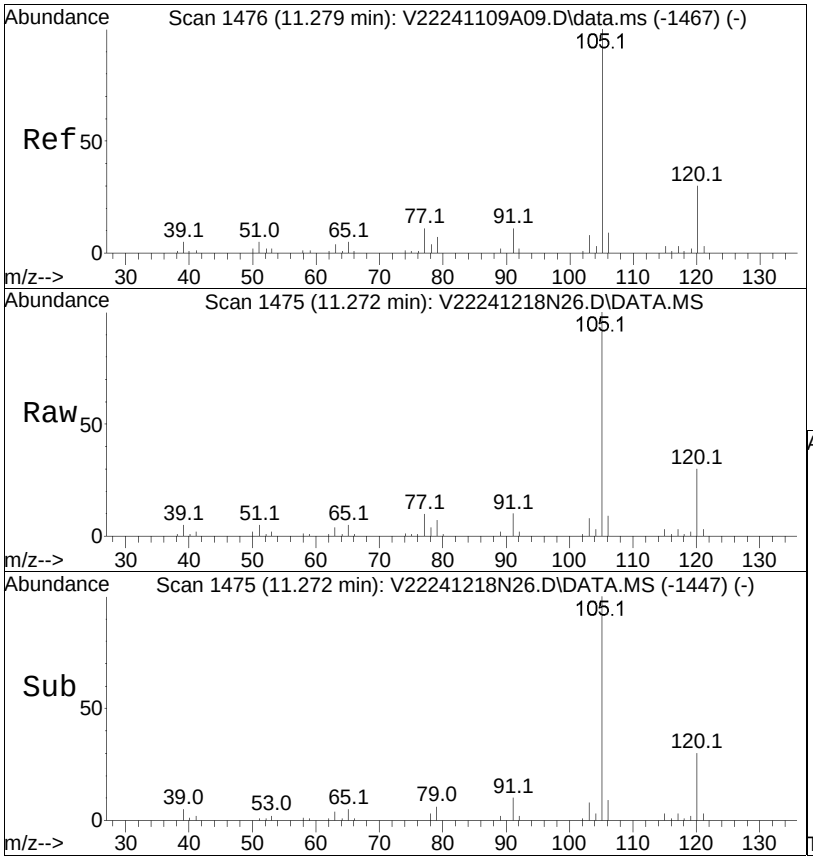


#91
1,1,2,2-Tetrachloroethane
Concen: 9.43 ug/L
RT: 11.230 min Scan# 1469
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 83 Resp: 51197

Ion	Ratio	Lower	Upper
83	100		
131	11.4	0.0	30.8
85	66.2	45.4	85.4

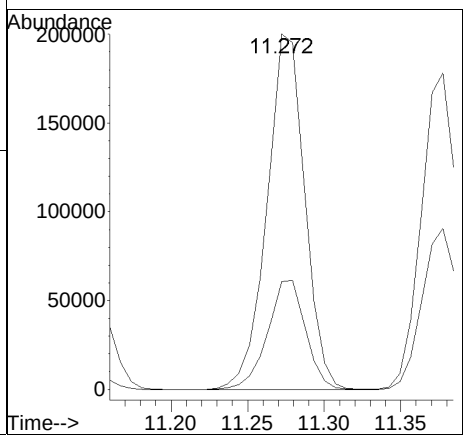


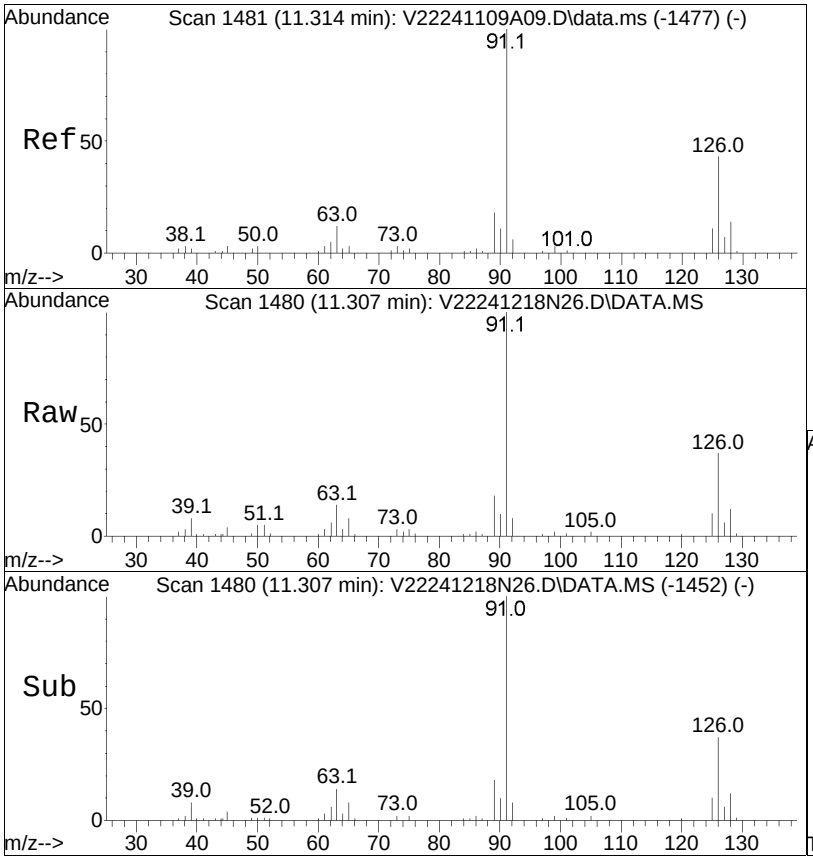


#92
4-Ethyltoluene
Concen: 10.08 ug/L
RT: 11.272 min Scan# 1475
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:105 Resp: 343133

Ion	Ratio	Lower	Upper
105	100		
120	30.9	19.8	41.0

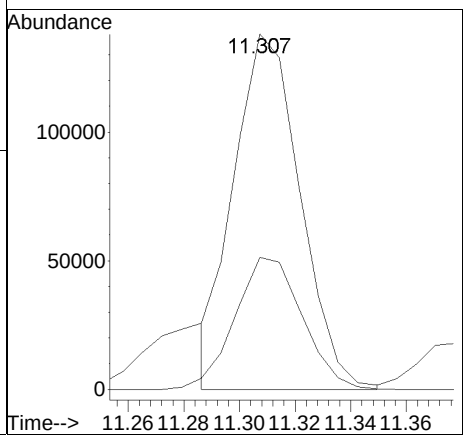


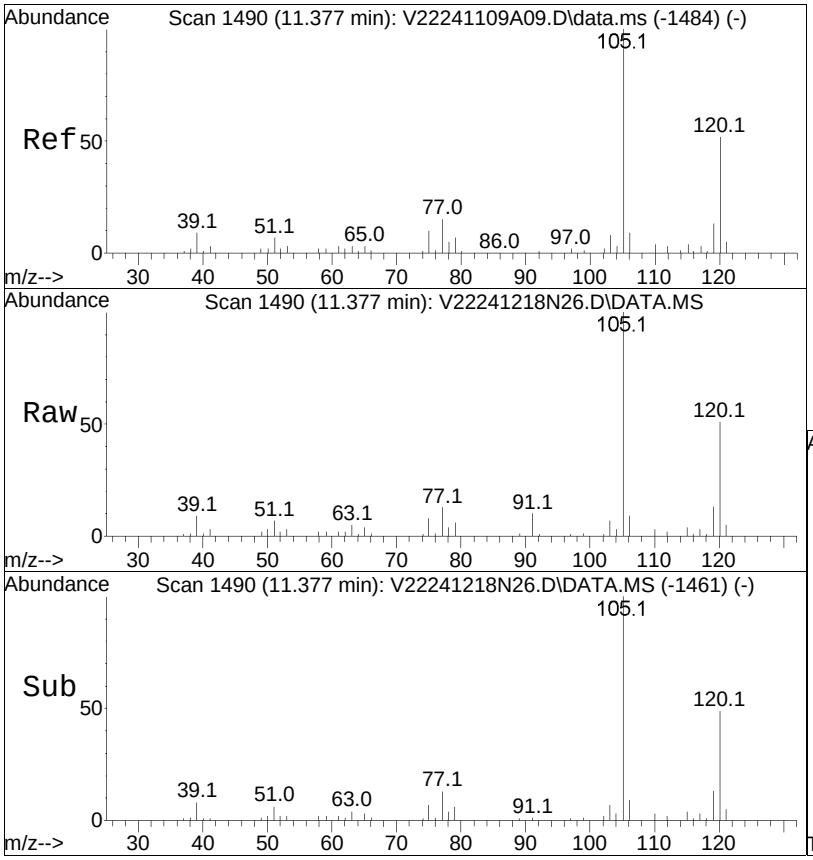


#93
2-Chlorotoluene
Concen: 9.94 ug/L M6
RT: 11.307 min Scan# 1480
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 91 Resp: 229391

Ion	Ratio	Lower	Upper
91	100		
126	37.7	24.6	37.0#

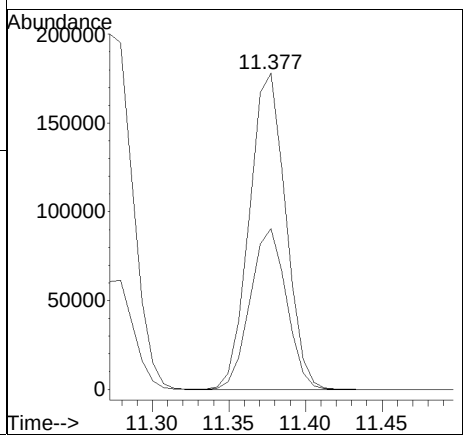


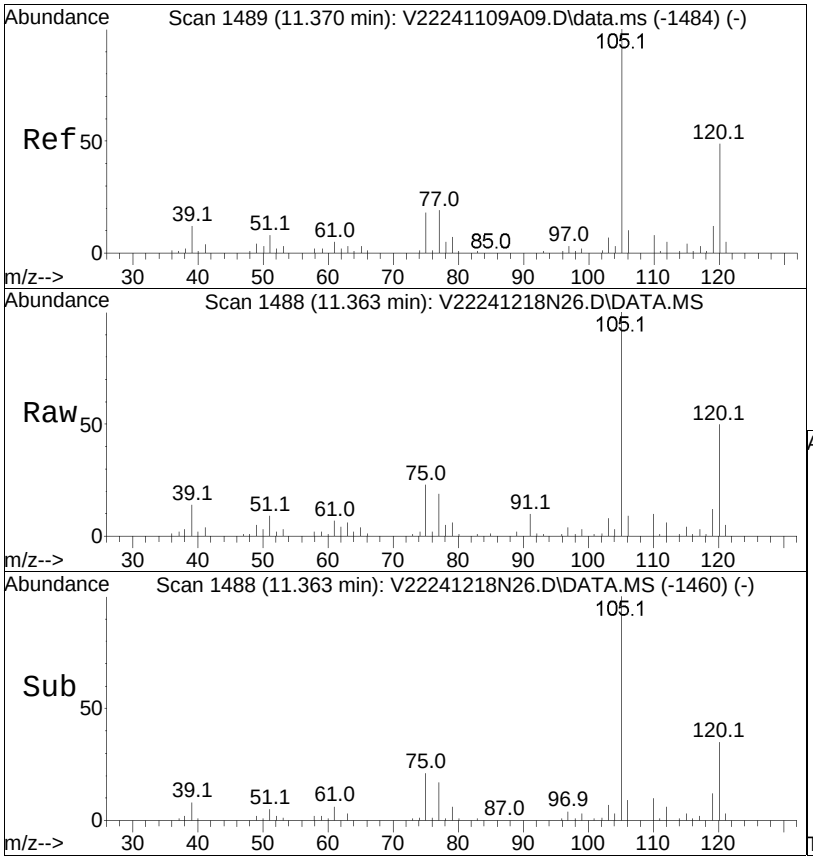


#94
1,3,5-Trimethylbenzene
Concen: 9.92 ug/L
RT: 11.377 min Scan# 1490
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:105 Resp: 294090

Ion	Ratio	Lower	Upper
105	100		
120	50.8	40.9	61.3

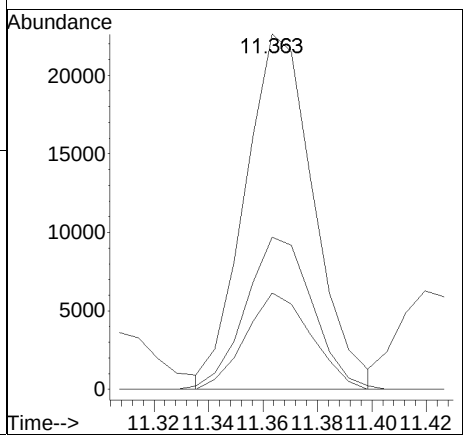


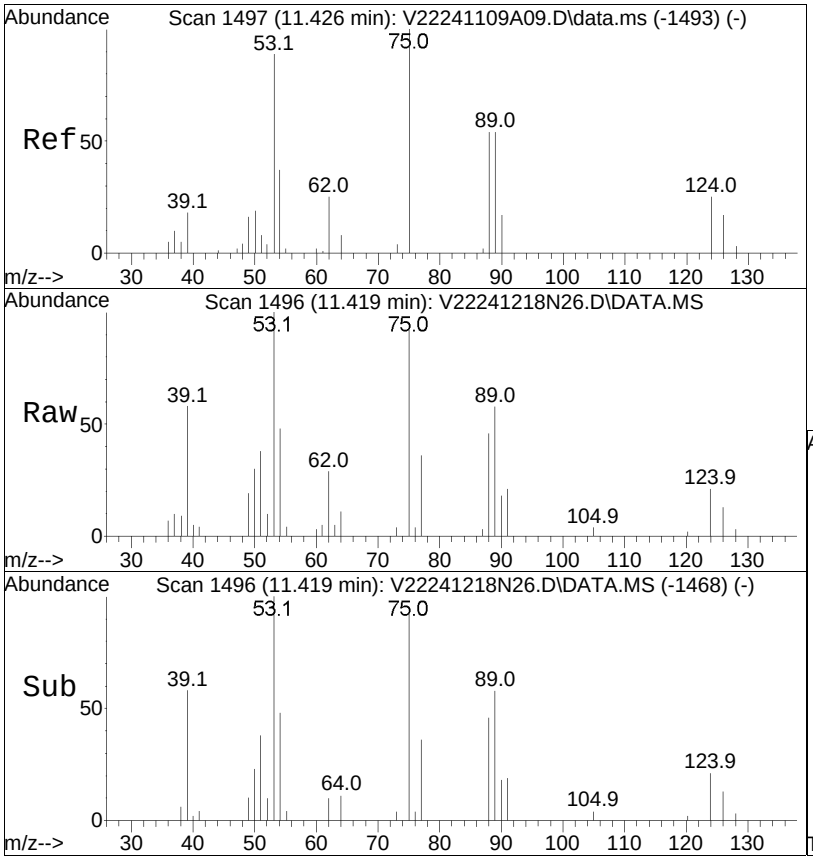


#95
1,2,3-Trichloropropane
Concen: 9.14 ug/L
RT: 11.363 min Scan# 1488
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 75 Resp: 39711

Ion	Ratio	Lower	Upper
75	100		
110	41.6	26.3	54.7
112	25.9	16.8	35.0

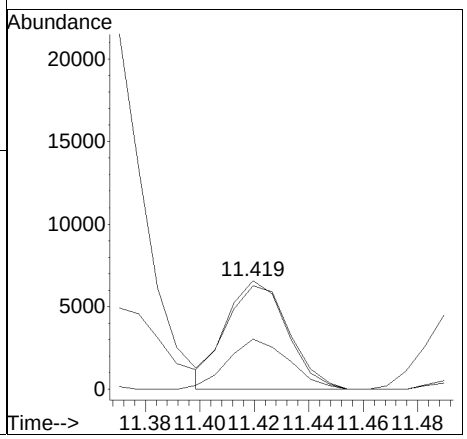


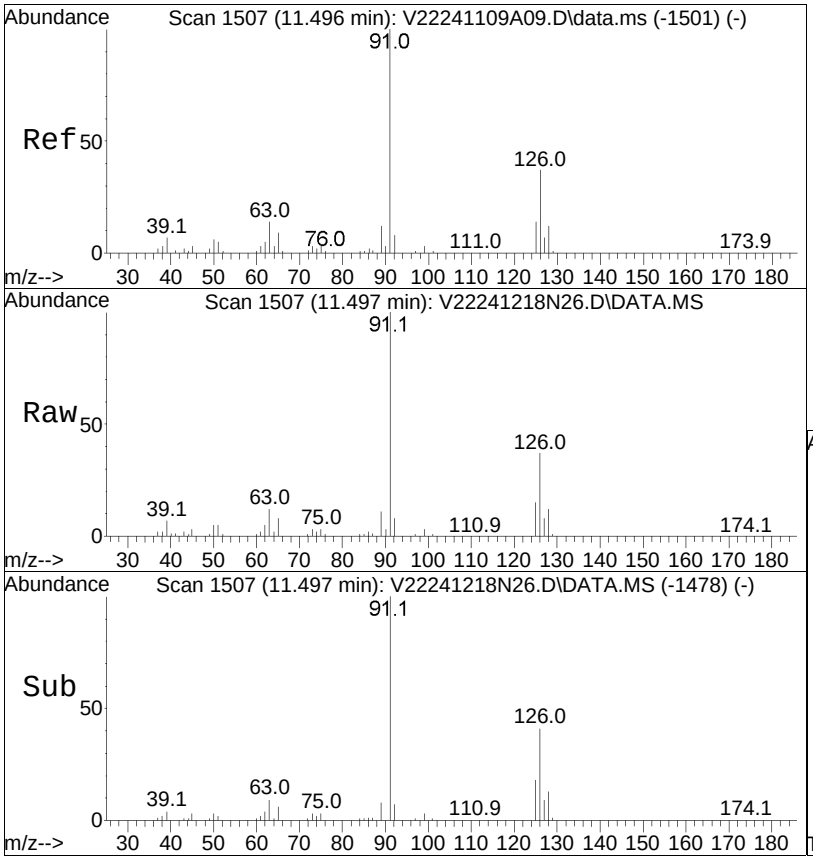


#96
trans-1,4-Dichloro-2-butene
Concen: 7.47 ug/L
RT: 11.419 min Scan# 1496
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 53 Resp: 10214

Ion	Ratio	Lower	Upper
53	100		
88	47.1	46.3	69.5
75	100.1	109.0	163.4#

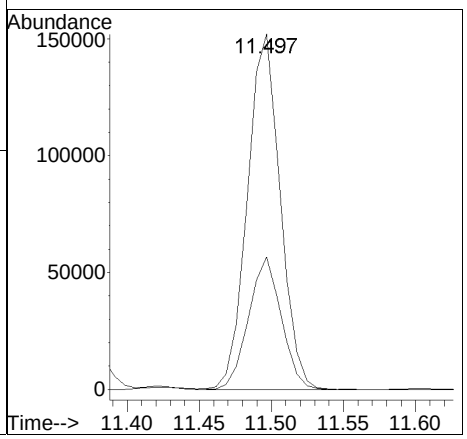


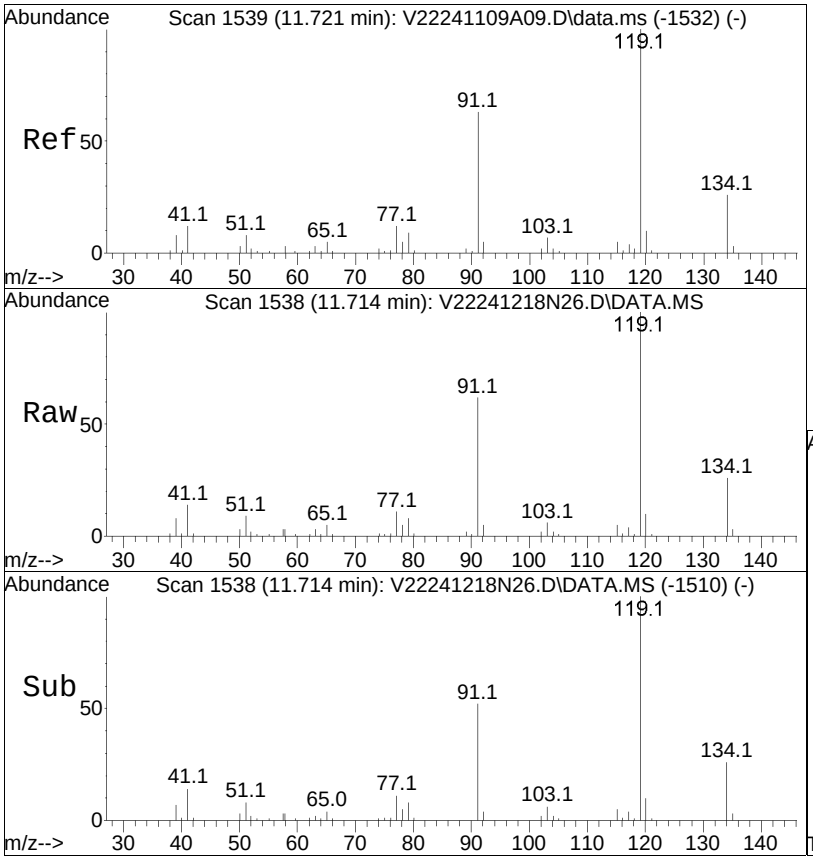


#97
4-Chlorotoluene
Concen: 10.01 ug/L
RT: 11.497 min Scan# 1507
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 91 Resp: 240632

Ion	Ratio	Lower	Upper
91	100		
126	37.0	28.5	42.7

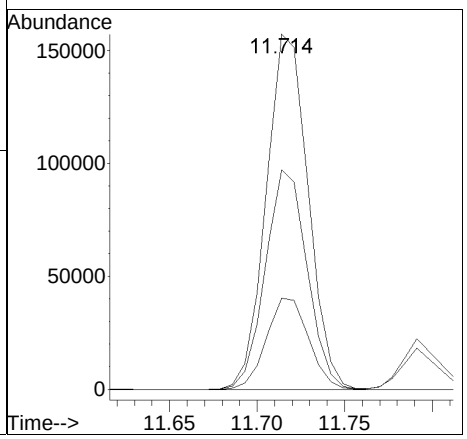


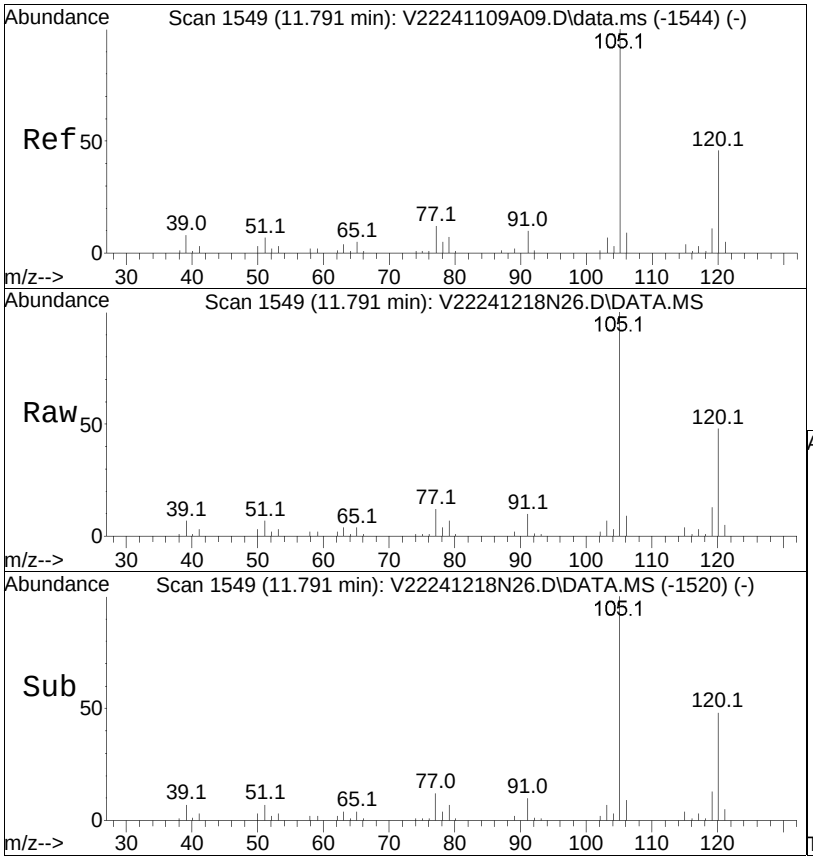


#98
tert-Butylbenzene
Concen: 10.29 ug/L
RT: 11.714 min Scan# 1538
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:119 Resp: 262216

Ion	Ratio	Lower	Upper
119	100		
91	61.6	50.2	75.4
134	25.9	20.8	31.2

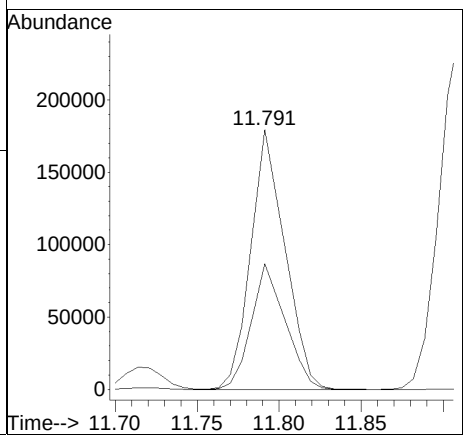


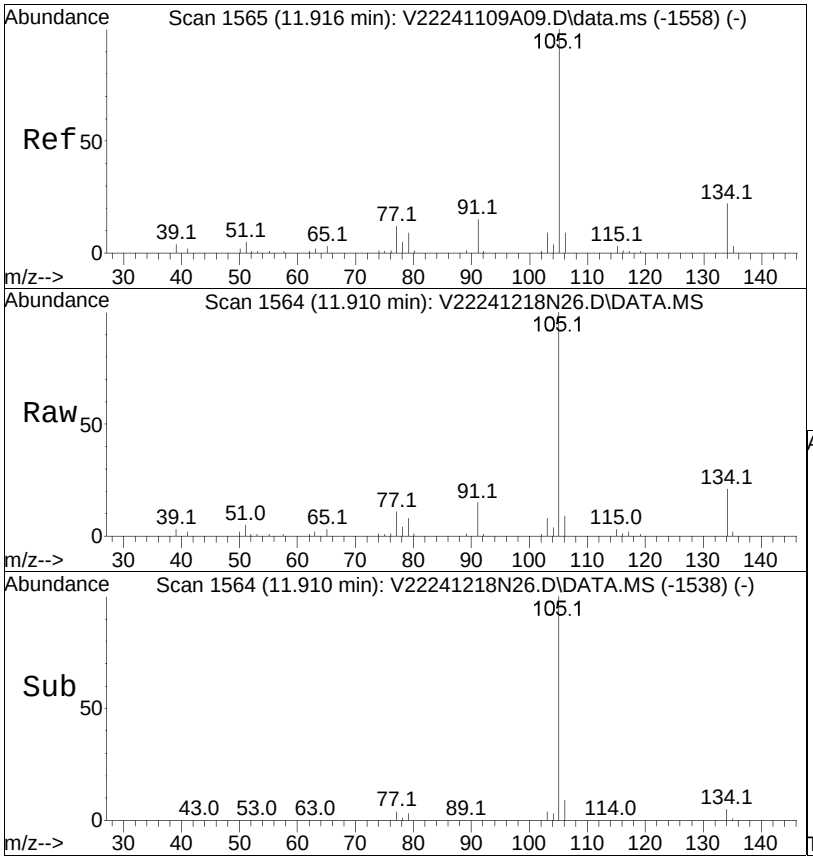


#101
1,2,4-Trimethylbenzene
Concen: 11.53 ug/L
RT: 11.791 min Scan# 1549
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:105 Resp: 194131

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.5	57.7

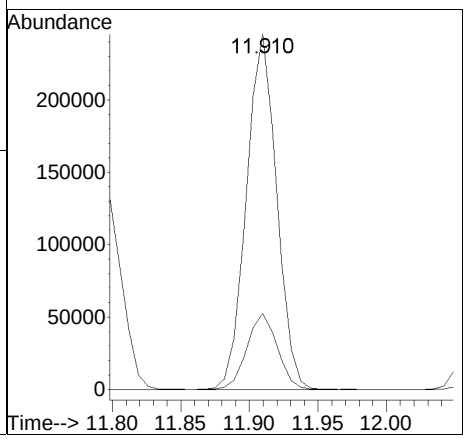


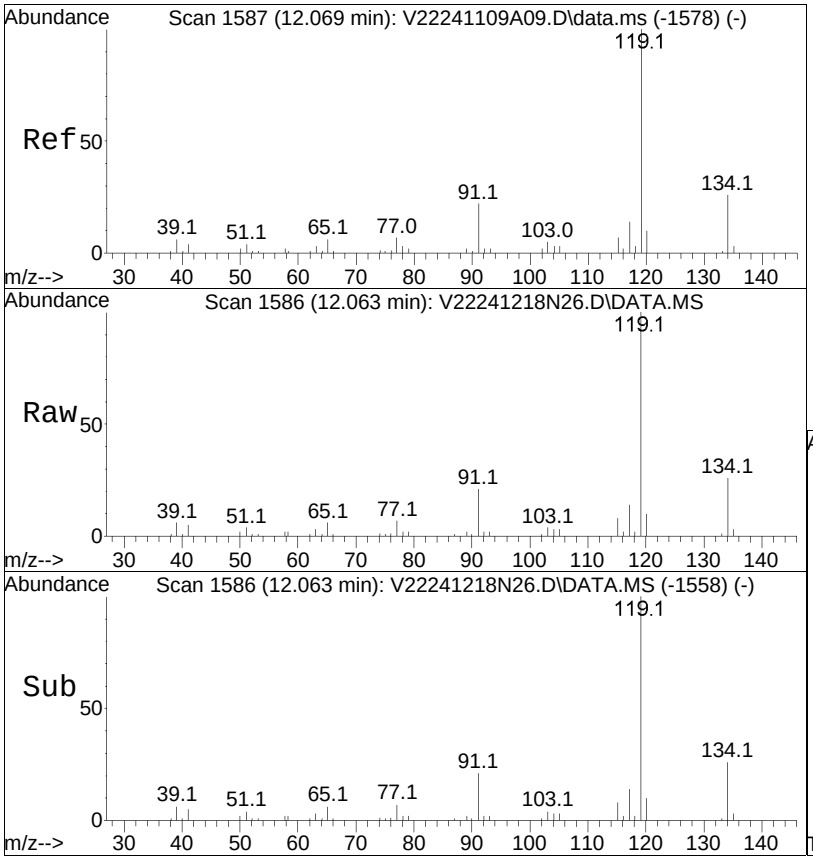


#102
sec-Butylbenzene
Concen: 10.44 ug/L
RT: 11.910 min Scan# 1564
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:105 Resp: 376670

Ion	Ratio	Lower	Upper
105	100		
134	21.4	13.9	28.9

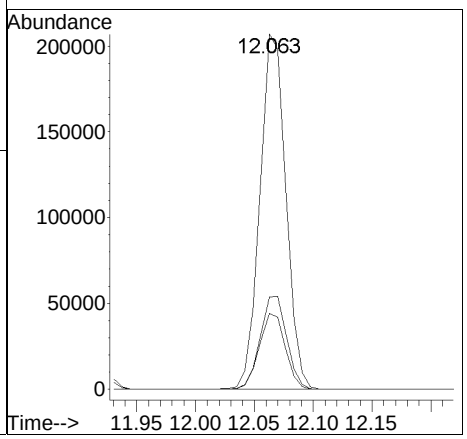


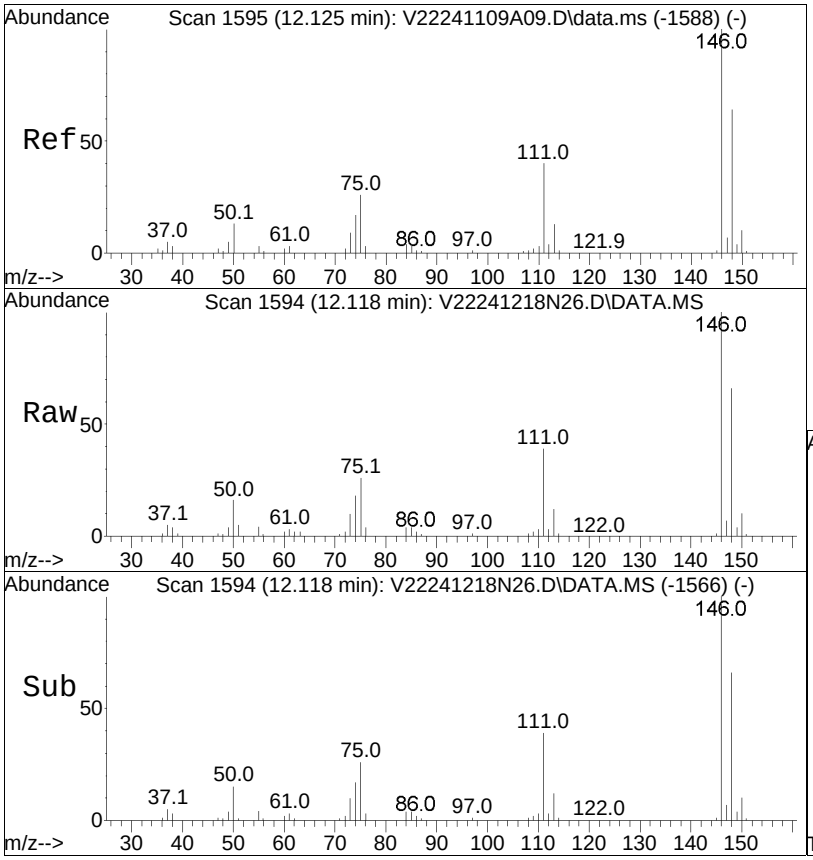


#103
p-Isopropyltoluene
Concen: 10.10 ug/L
RT: 12.063 min Scan# 1586
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:119 Resp: 318927

Ion	Ratio	Lower	Upper
119	100		
134	26.8	17.7	36.7
91	21.5	14.1	29.3

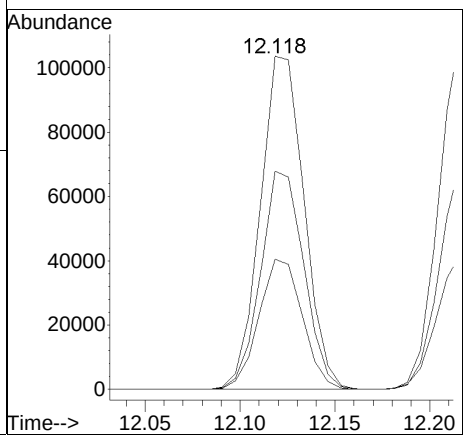


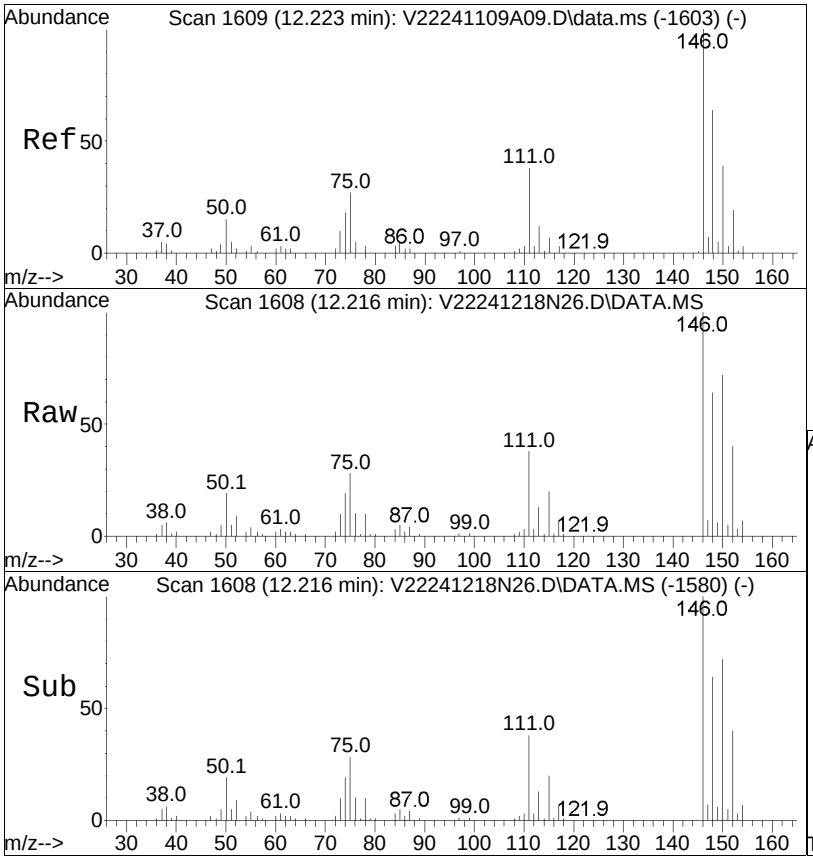


#104
1,3-Dichlorobenzene
Concen: 10.02 ug/L
RT: 12.118 min Scan# 1594
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:146 Resp: 166397

Ion	Ratio	Lower	Upper
146	100		
111	38.8	24.0	49.8
148	64.7	41.8	86.8

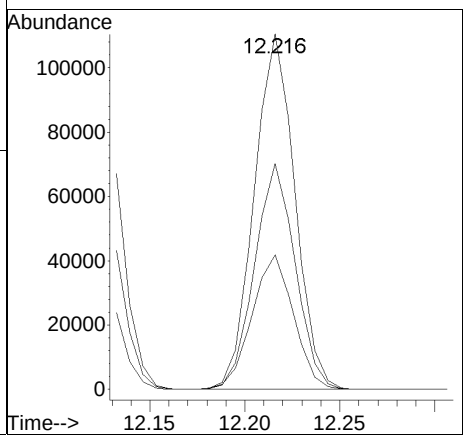


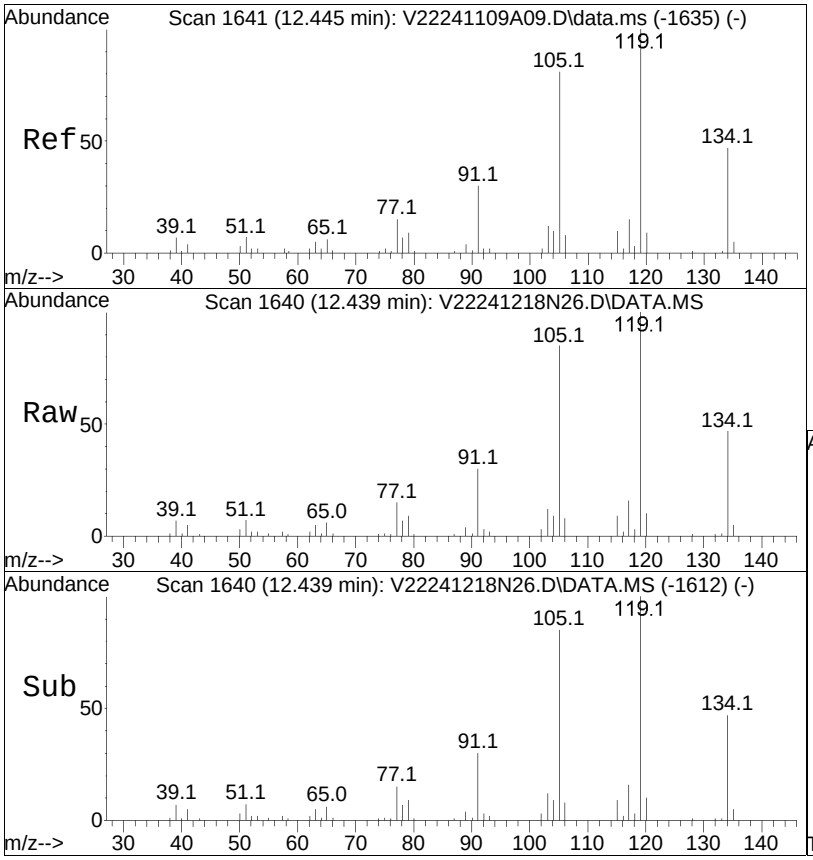


#105
1,4-Dichlorobenzene
Concen: 9.92 ug/L
RT: 12.216 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:146 Resp: 164568

Ion	Ratio	Lower	Upper
146	100		
111	38.8	28.9	43.3
148	63.5	51.4	77.2

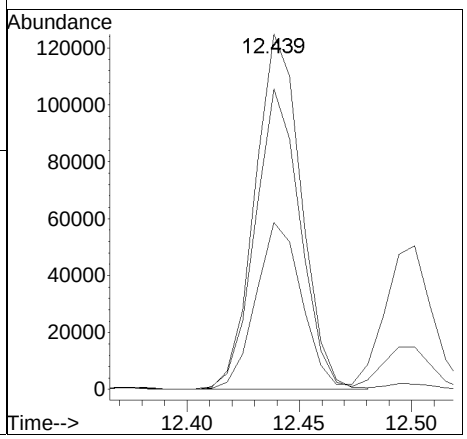


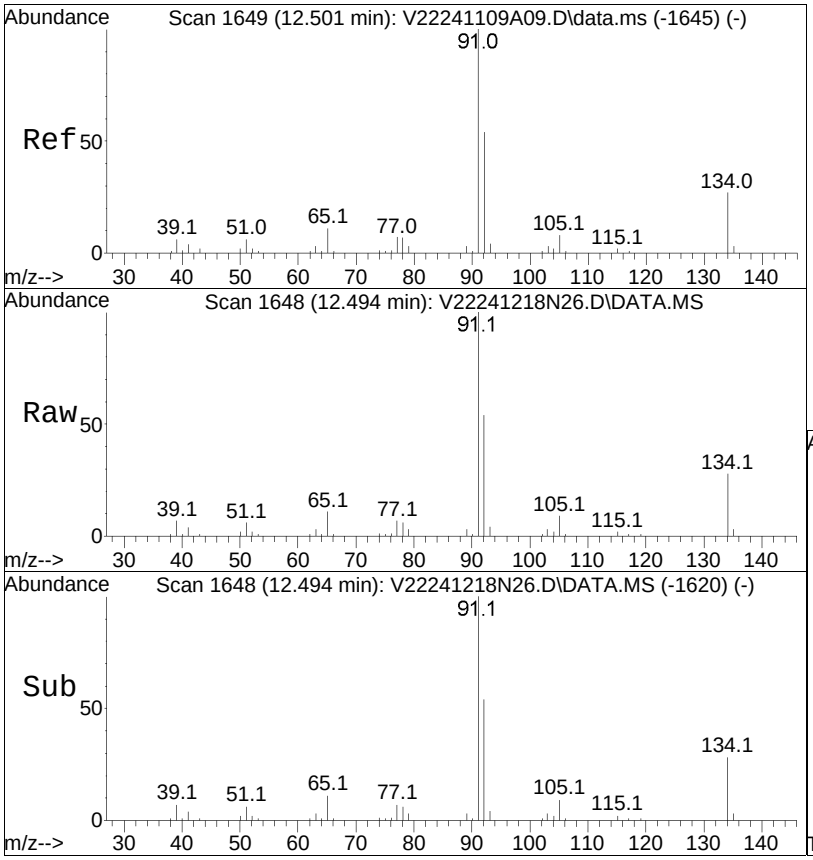


#106
p-Diethylbenzene
Concen: 9.83 ug/L
RT: 12.439 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:119 Resp: 179077

Ion	Ratio	Lower	Upper
119	100		
105	82.6	53.4	110.8
134	46.5	30.9	64.1

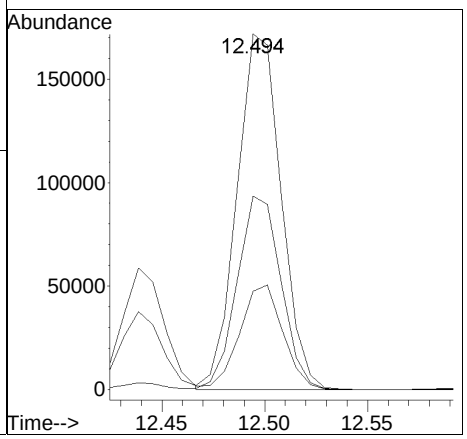


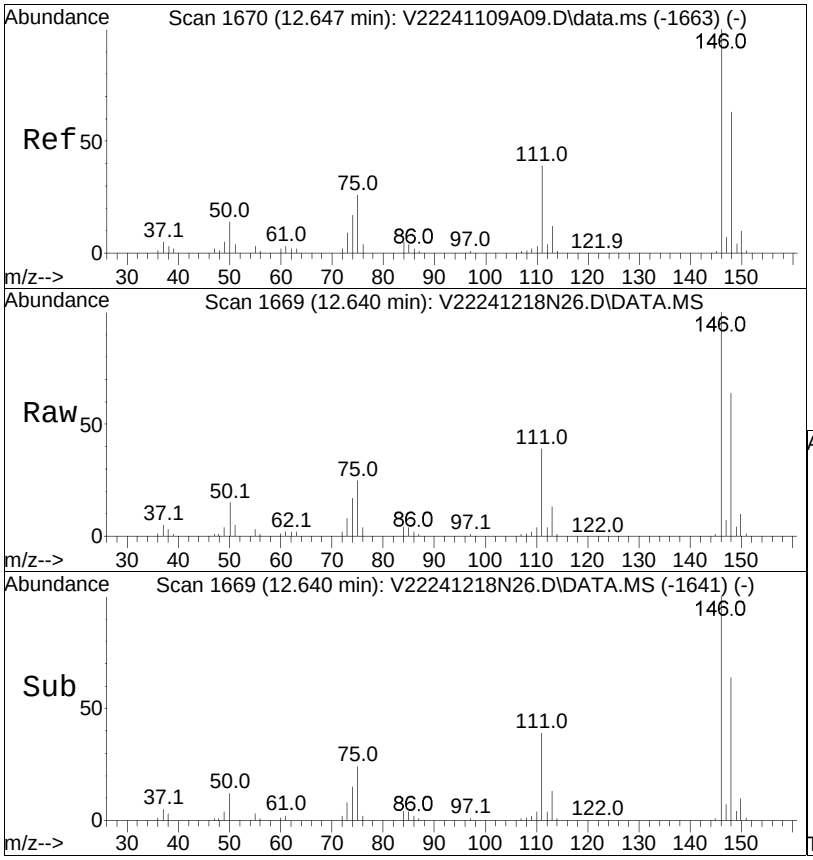


#107
n-Butylbenzene
Concen: 10.23 ug/L
RT: 12.494 min Scan# 1648
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion: 91 Resp: 256851

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.6	66.8
134	28.7	22.9	34.3

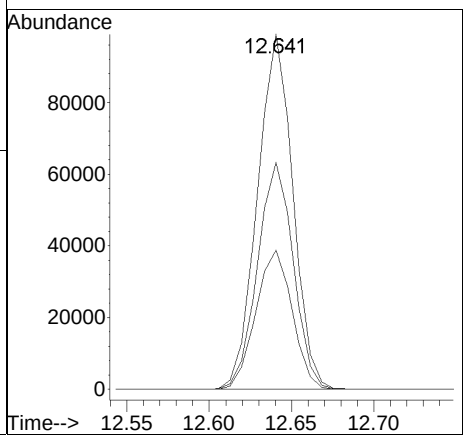


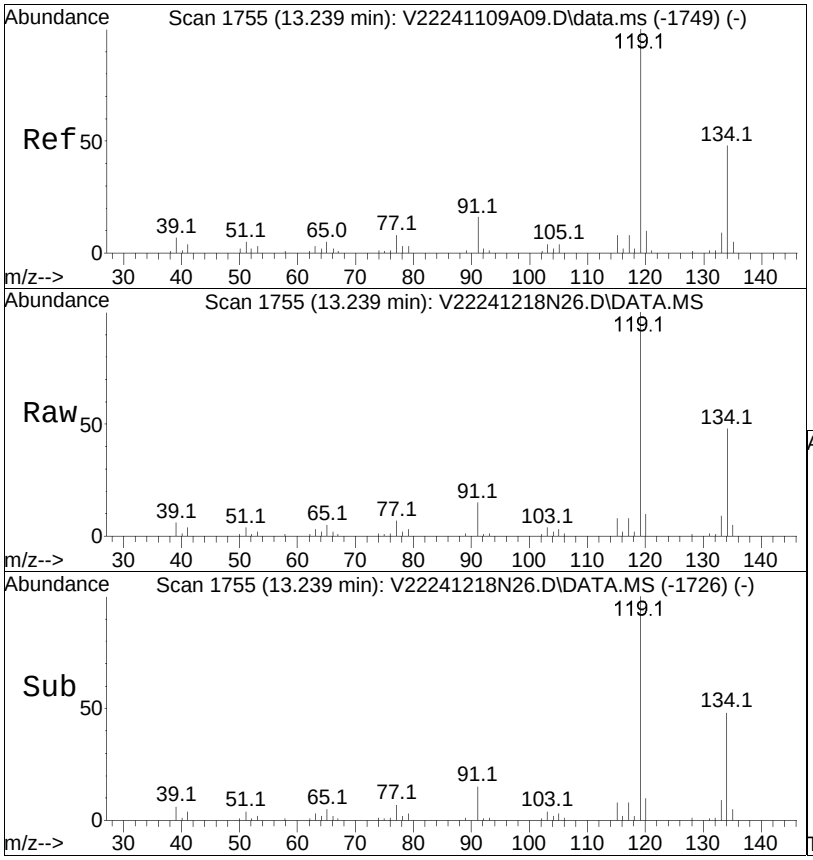


#108
1,2-Dichlorobenzene
Concen: 10.00 ug/L
RT: 12.640 min Scan# 1669
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:146 Resp: 148219

Ion	Ratio	Lower	Upper
146	100		
111	40.3	24.8	51.6
148	64.5	42.2	87.6

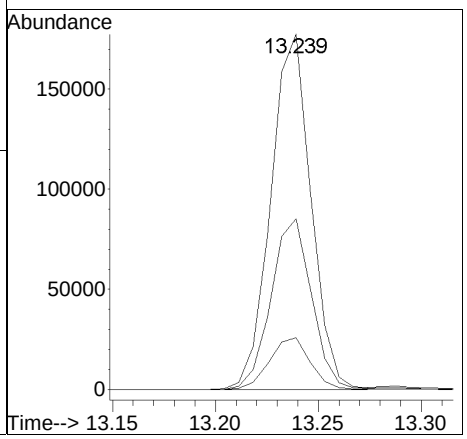


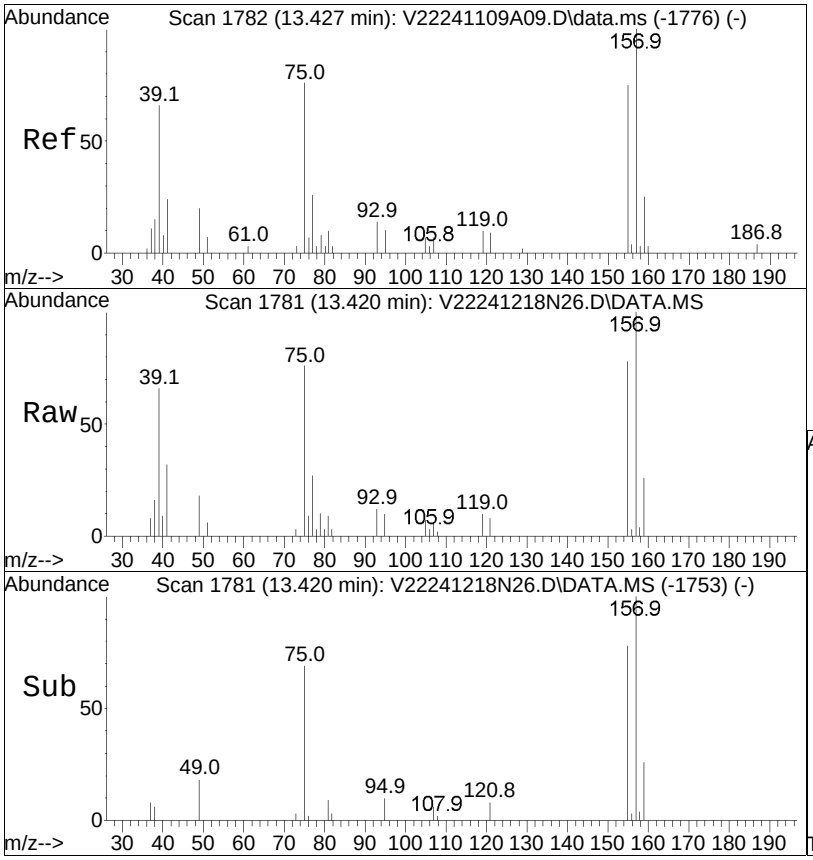


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.67 ug/L
RT: 13.239 min Scan# 1755
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:119 Resp: 240993

Ion	Ratio	Lower	Upper
119	100		
134	48.4	31.9	66.1
91	14.7	9.8	20.3

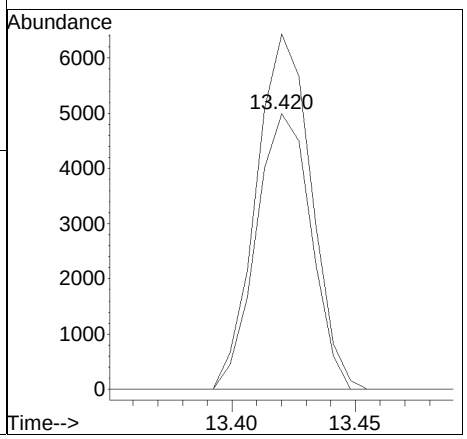


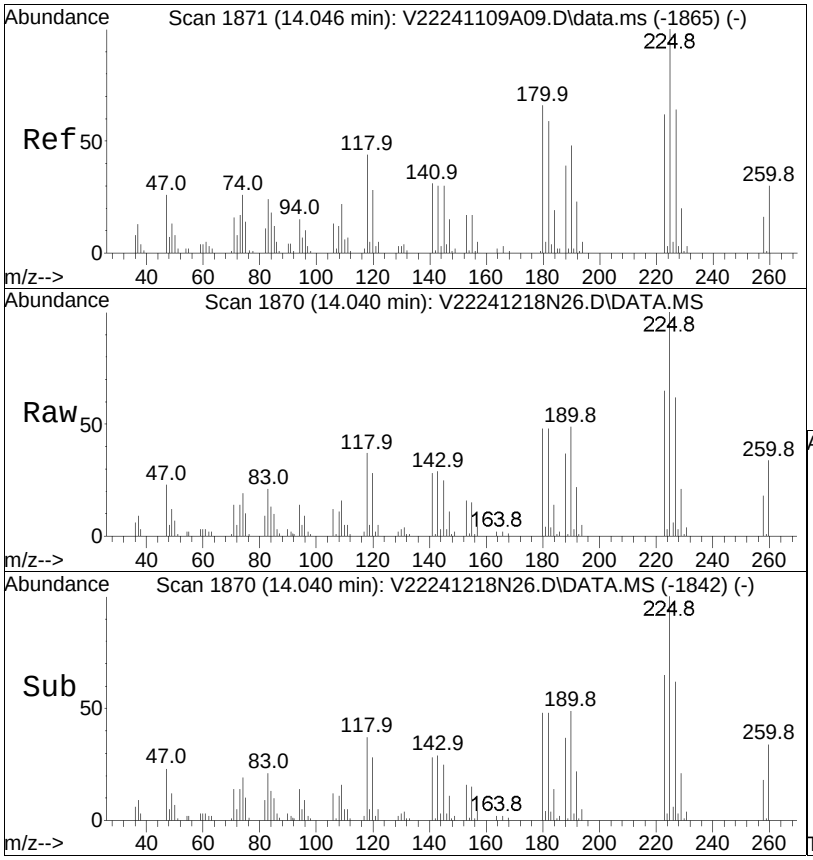


#110
1,2-Dibromo-3-chloropropane
Concen: 9.12 ug/L
RT: 13.420 min Scan# 1781
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:155 Resp: 7715

Ion	Ratio	Lower	Upper
155	100		
157	129.5	102.3	153.5

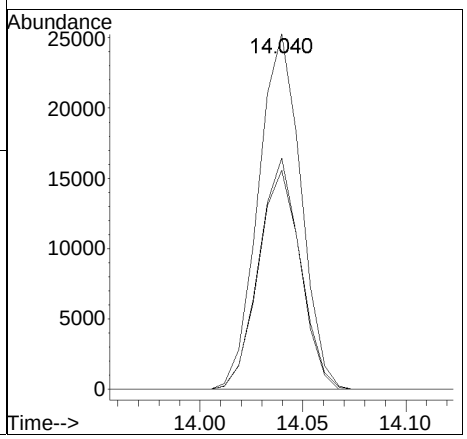


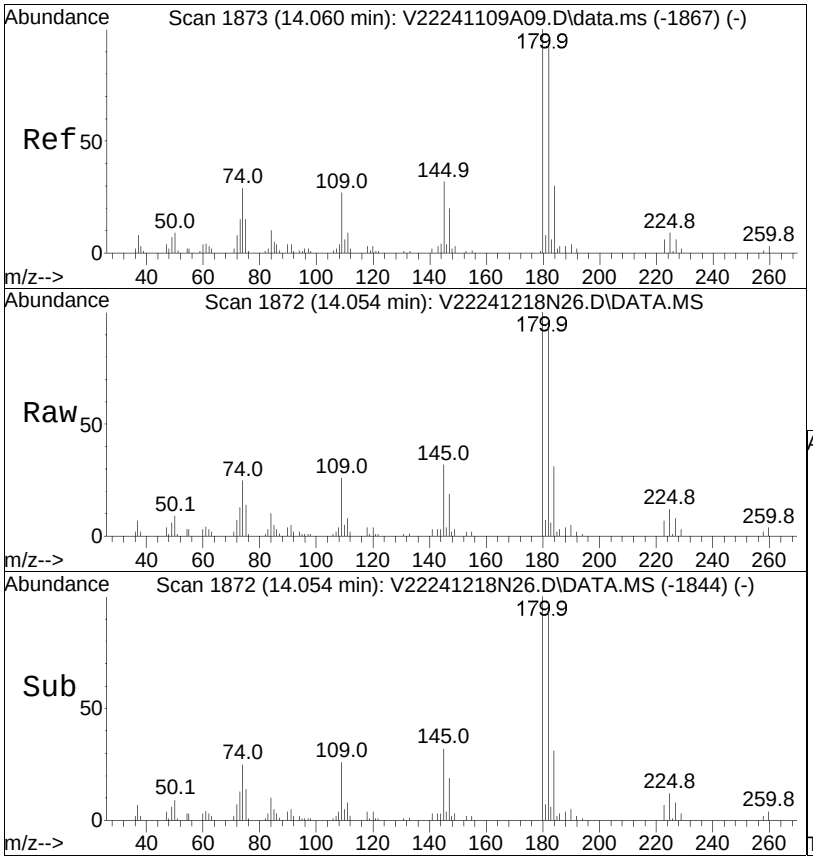


#112
Hexachlorobutadiene
Concen: 11.04 ug/L
RT: 14.040 min Scan# 1870
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:225 Resp: 36437

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.8
227	61.8	52.2	78.4

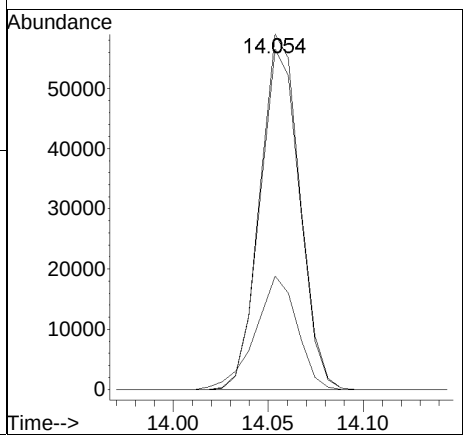


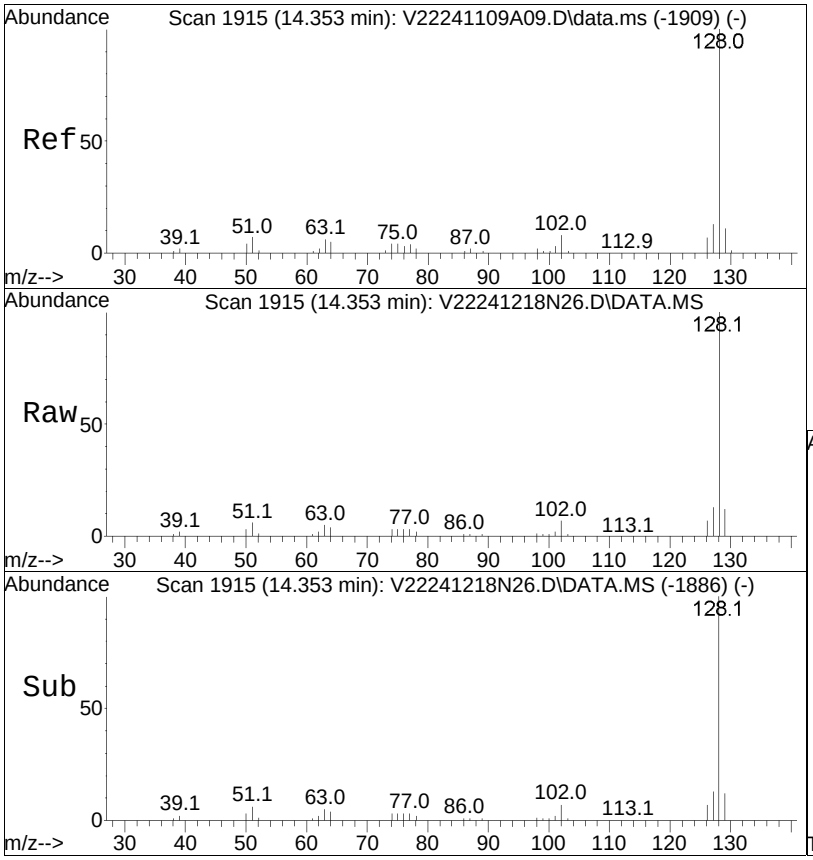


#113
1,2,4-Trichlorobenzene
Concen: 9.93 ug/L
RT: 14.054 min Scan# 1872
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:180 Resp: 85967

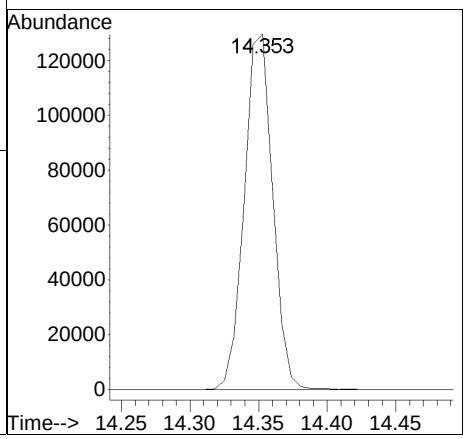
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	33.6	25.5	38.3

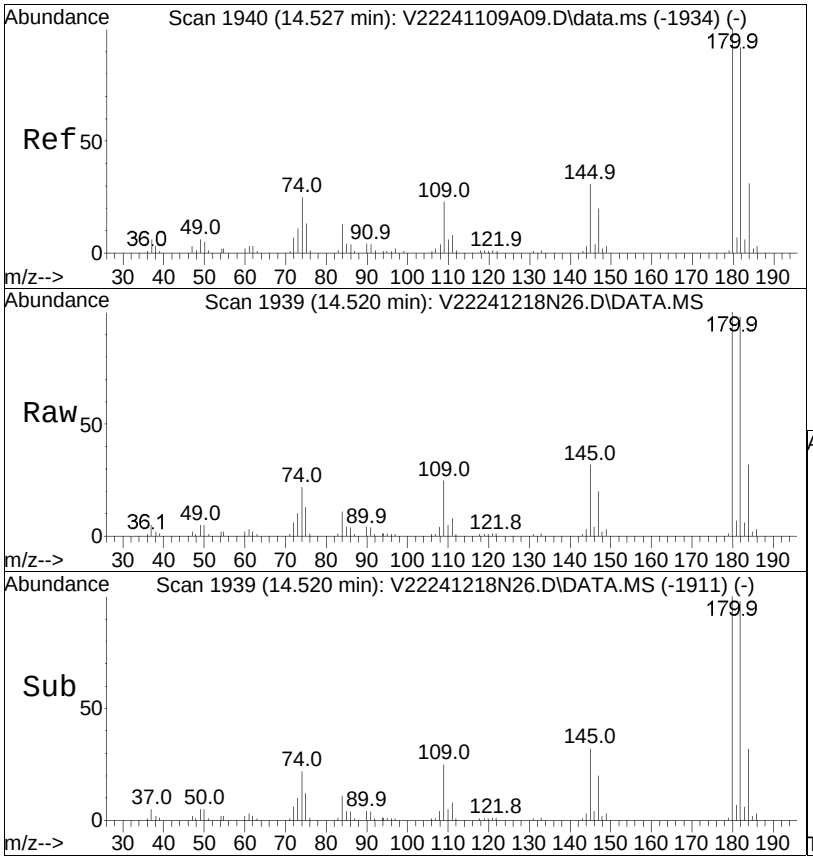




#114
Naphthalene
Concen: 9.72 ug/L
RT: 14.353 min Scan# 1915
Delta R.T. 0.000 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:128 Resp: 187090

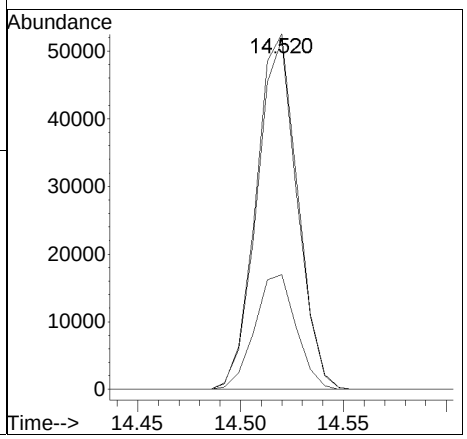




#115
1,2,3-Trichlorobenzene
Concen: 10.06 ug/L
RT: 14.520 min Scan# 1939
Delta R.T. -0.007 min
Lab File: V22241218N26.D
Acq: 19 Dec 2024 05:29 am

Tgt Ion:180 Resp: 73913

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	32.2	23.8	35.8

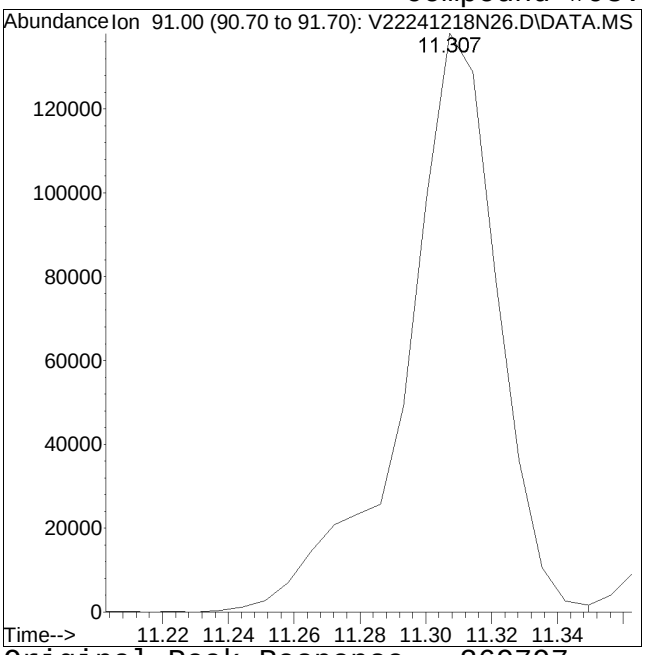


Manual Integration Report

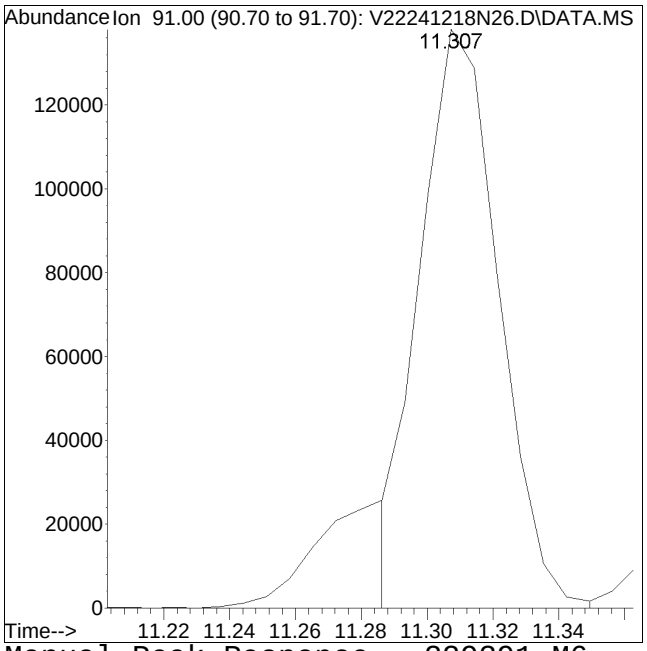
Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N26.D
Date Inj'd : 12/19/2024 5:29 am
Sample : WG2011243-6,31,10,10,,A1

QMethod : V122_241109A_8260.m
Operator : VOA122:MJV
Instrument : VOA 122
Quant Date : 12/19/2024 7:33 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 269797



Manual Peak Response = 229391 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N27.D
Acq On : 19 Dec 2024 05:53 am
Operator : VOA122:MJV
Sample : WG2011243-7,31,10,10,,A2
Misc : WG2011243,ICAL21691
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 19 10:11:34 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.944	96	533717	10.000	ug/L	0.00
Standard Area 1 = 358970			Recovery = 148.68%			
62) Chlorobenzene-d5	9.484	117	428125	10.000	ug/L	0.00
Standard Area 1 = 300527			Recovery = 142.46%			
83) 1,4-Dichlorobenzene-d4	12.202	152	224994	10.000	ug/L	0.00
Standard Area 1 = 166973			Recovery = 134.75%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.131	113	181199	9.947	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.47%			
46) 1,2-Dichloroethane-d4	5.649	65	110792	9.842	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.42%			
63) Toluene-d8	7.640	98	537569	9.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%			
87) 4-Bromofluorobenzene	10.984	95	190565	10.375	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.75%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.612	85	74409	6.751	ug/L	99
3) Chloromethane	1.795	50	79755	8.455	ug/L	96
4) Vinyl chloride	1.867	62	86335	6.863	ug/L	97
5) Bromomethane	2.175	94	18336	2.017	ug/L	100
6) Chloroethane	2.287	64	52541	6.094	ug/L	98
7) Trichlorofluoromethane	2.424	101	125690	8.731	ug/L	100
8) Ethyl ether	2.719	74	26529	8.372	ug/L #	1
10) 1,1-Dichloroethene	2.909	96	68598	9.032	ug/L	92
11) Carbon disulfide	2.942	76	208729	9.040	ug/L	99
15) Methylene chloride	3.453	84	75388	8.447	ug/L	83
17) Acetone	3.493	43	12815	9.971	ug/L	96
18) trans-1,2-Dichloroethene	3.604	96	74436	8.928	ug/L	96
21) Methyl tert-butyl ether	3.702	73	115663	7.909	ug/L #	88
25) 1,1-Dichloroethane	4.181	63	127634	8.455	ug/L	98
27) Acrylonitrile	4.220	53	12782	8.333	ug/L	92
29) Vinyl acetate	4.410	43	83065	6.351	ug/L #	92
30) cis-1,2-Dichloroethene	4.692	96	80446	8.718	ug/L	96
31) 2,2-Dichloropropane	4.797	77	77391	6.937	ug/L #	84
32) Bromochloromethane	4.889	128	39241	8.461	ug/L	89
34) Chloroform	4.961	83	123350	8.172	ug/L	97

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N27.D
Acq On : 19 Dec 2024 05:53 am
Operator : VOA122:MJV
Sample : WG2011243-7,31,10,10,,A2
Misc : WG2011243,ICAL21691
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 19 10:11:34 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.098	117	108159	8.859	ug/L		98
39) 1,1,1-Trichloroethane	5.157	97	117771	8.558	ug/L		98
41) 2-Butanone	5.243	43	18332	10.041	ug/L	#	52
42) 1,1-Dichloropropene	5.282	75	95261	8.563	ug/L		99
44) Benzene	5.525	78	286673	8.730	ug/L		96
47) 1,2-Dichloroethane	5.728	62	62272	7.806	ug/L		93
51) Trichloroethene	6.121	95	61185	8.007	ug/L		99
53) Dibromomethane	6.556	93	31989	7.863	ug/L		88
54) 1,2-Dichloropropane	6.660	63	53177	8.057	ug/L		96
57) Bromodichloromethane	6.737	83	70231	7.661	ug/L		98
60) 1,4-Dioxane	6.945	88	14279	449.282	ug/L	#	82
61) cis-1,3-Dichloropropene	7.425	75	69810	7.314	ug/L	#	91
64) Toluene	7.696	92	149175	8.400	ug/L		99
65) 4-Methyl-2-pentanone	8.127	58	8253	6.755	ug/L	#	74
66) Tetrachloroethene	8.147	166	69092	8.489	ug/L		96
68) trans-1,3-Dichloropropene	8.175	75	55743	6.875	ug/L		91
71) 1,1,2-Trichloroethane	8.363	83	31466	7.594	ug/L		99
72) Chlorodibromomethane	8.572	129	47517	6.964	ug/L		99
73) 1,3-Dichloropropane	8.684	76	65384	7.656	ug/L		100
74) 1,2-Dibromoethane	8.845	107	38605	7.574	ug/L		99
76) 2-Hexanone	9.140	43	15530	7.816	ug/L	#	85
77) Chlorobenzene	9.505	112	172764	8.424	ug/L		88
78) Ethylbenzene	9.547	91	294349	8.335	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.589	131	50767	7.309	ug/L		98
80) p/m Xylene	9.736	106	228705	15.699	ug/L		99
81) o Xylene	10.276	106	212114	15.273	ug/L		100
82) Styrene	10.346	104	336843	15.086	ug/L		97
84) Bromoform	10.360	173	25412	6.985	ug/L		99
86) Isopropylbenzene	10.669	105	302672	8.695	ug/L		100
88) Bromobenzene	11.096	156	69081	8.457	ug/L		99
89) n-Propylbenzene	11.146	91	339334	8.383	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.223	83	42027	7.755	ug/L		100
92) 4-Ethyltoluene	11.279	105	281766	8.291	ug/L		99
93) 2-Chlorotoluene	11.307	91	191334M6	8.308	ug/L		
94) 1,3,5-Trimethylbenzene	11.377	105	240442	8.130	ug/L		99
95) 1,2,3-Trichloropropane	11.363	75	32717	7.543	ug/L		100
96) trans-1,4-Dichloro-2-b...	11.419	53	8207	6.017	ug/L	#	75
97) 4-Chlorotoluene	11.496	91	199564	8.318	ug/L		97
98) tert-Butylbenzene	11.721	119	216623	8.515	ug/L		99

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N27.D
Acq On : 19 Dec 2024 05:53 am
Operator : VOA122:MJV
Sample : WG2011243-7,31,10,10,,A2
Misc : WG2011243,ICAL21691
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 19 10:11:34 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\241218N\V22241218N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.798	105	208068	12.383	ug/L	99
102) sec-Butylbenzene	11.909	105	310530	8.626	ug/L	100
103) p-Isopropyltoluene	12.062	119	263048	8.350	ug/L	100
104) 1,3-Dichlorobenzene	12.125	146	138377	8.350	ug/L	99
105) 1,4-Dichlorobenzene	12.215	146	135720	8.196	ug/L	98
106) p-Diethylbenzene	12.438	119	147395	8.105	ug/L	99
107) n-Butylbenzene	12.494	91	208359	8.318	ug/L	99
108) 1,2-Dichlorobenzene	12.640	146	121810	8.239	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.239	119	195653	7.868	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.420	155	6406	7.586	ug/L	97
112) Hexachlorobutadiene	14.039	225	30493	9.259	ug/L	99
113) 1,2,4-Trichlorobenzene	14.053	180	70629	8.175	ug/L	98
114) Naphthalene	14.352	128	153042	7.966	ug/L	100
115) 1,2,3-Trichlorobenzene	14.520	180	61054	8.325	ug/L	98

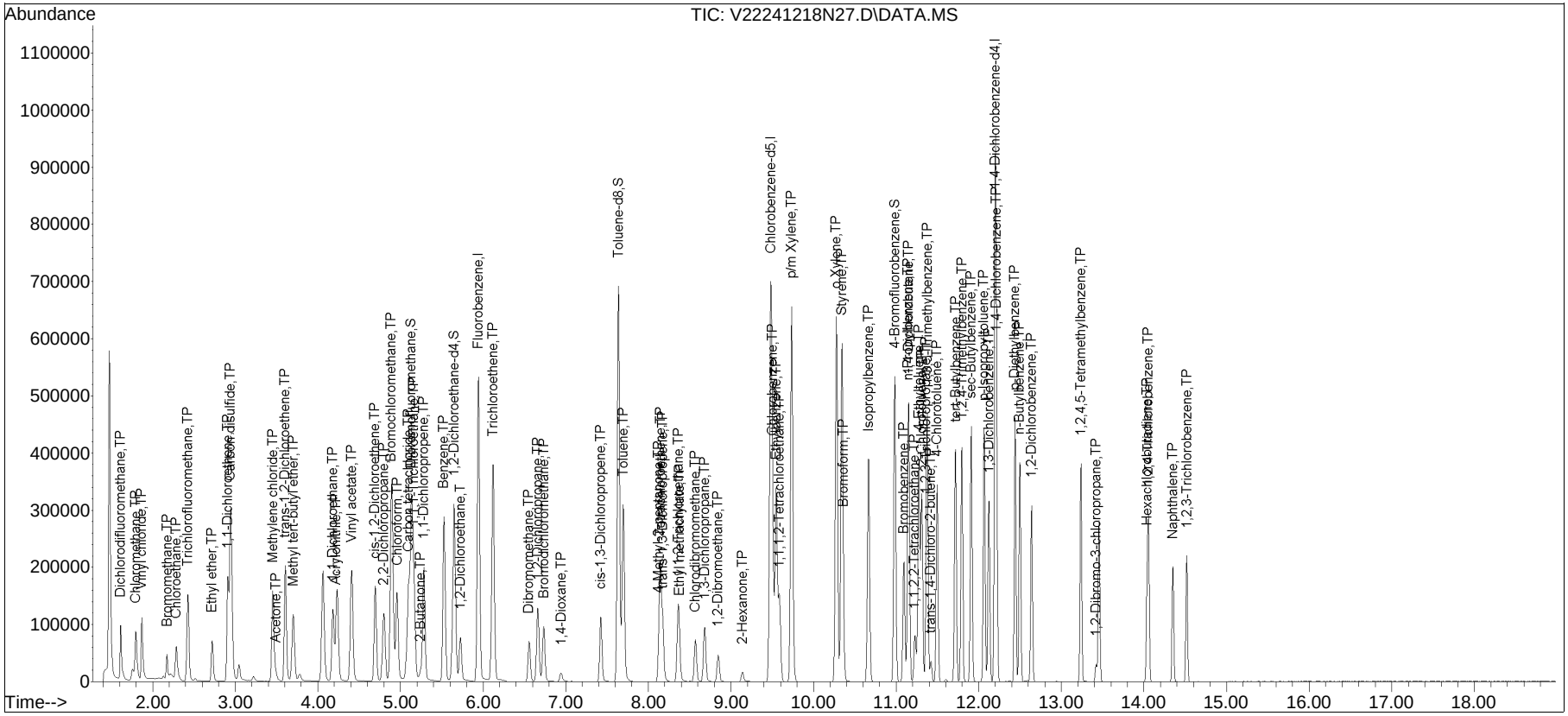
(#) = qualifier out of range (m) = manual integration (+) = signals summed

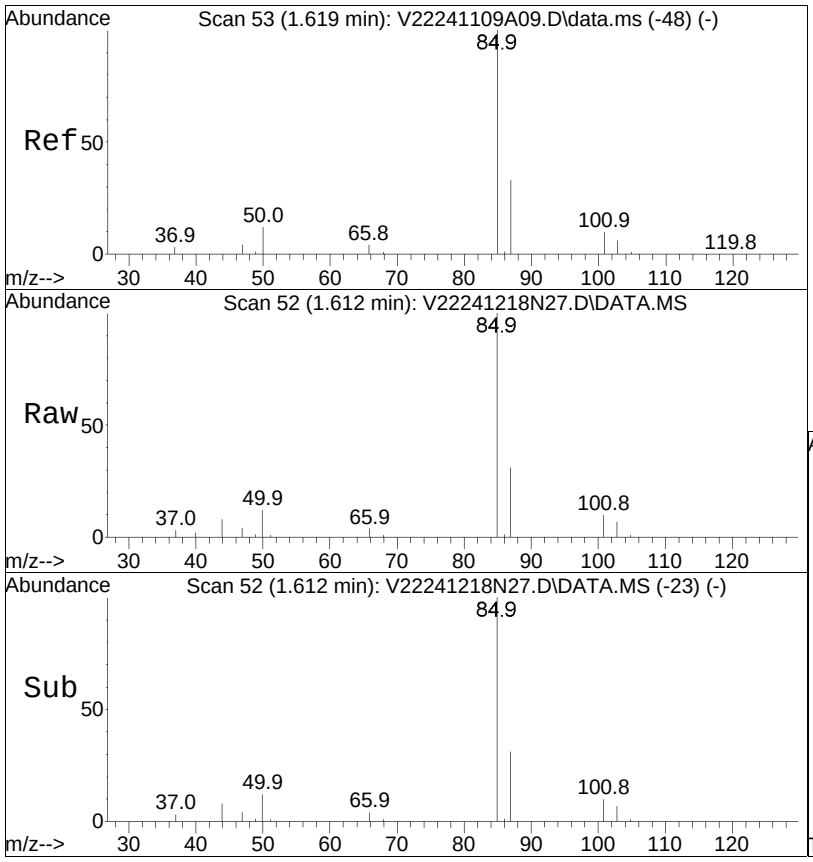
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N27.D
Acq On : 19 Dec 2024 05:53 am
Operator : VOA122:MJV
Sample : WG2011243-7,31,10,10,,A2
Misc : WG2011243,ICAL21691
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 19 10:11:34 2024
Quant Method : K:\VOA122\2024\241218N\V122_241109A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 11 12:28:19 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox241218N01.D•

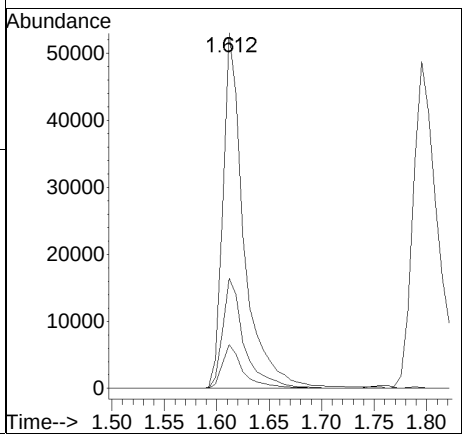


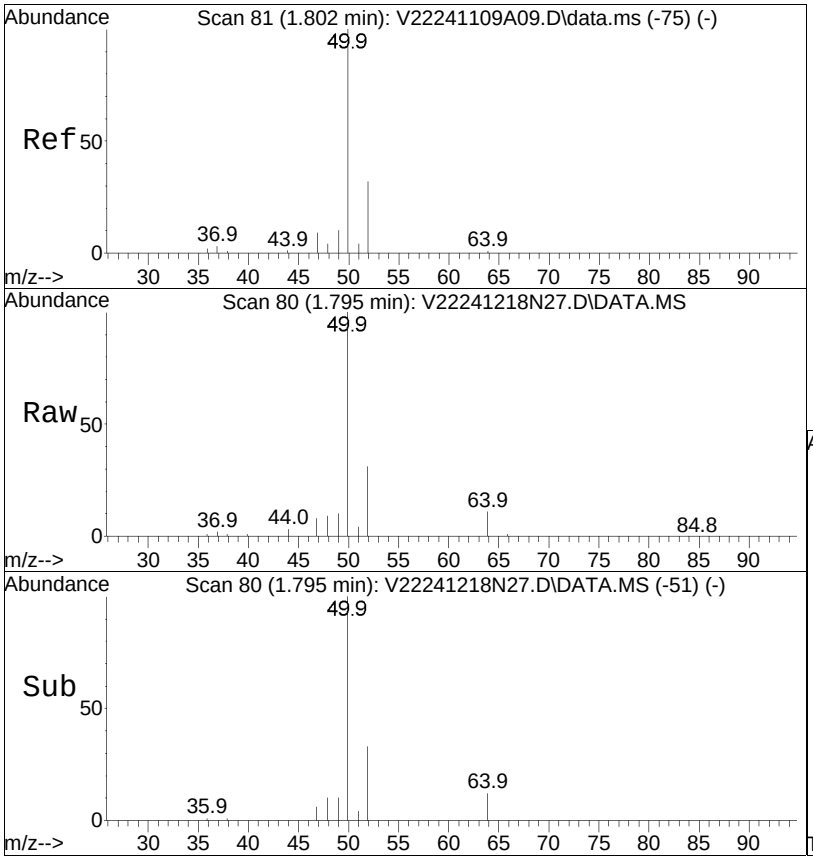


#2
Dichlorodifluoromethane
Concen: 6.75 ug/L
RT: 1.612 min Scan# 52
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 85 Resp: 74409

Ion	Ratio	Lower	Upper
85	100		
87	31.7	20.7	42.9
50	12.3	6.8	14.2

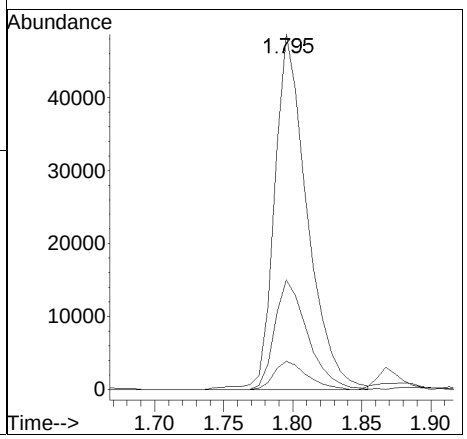


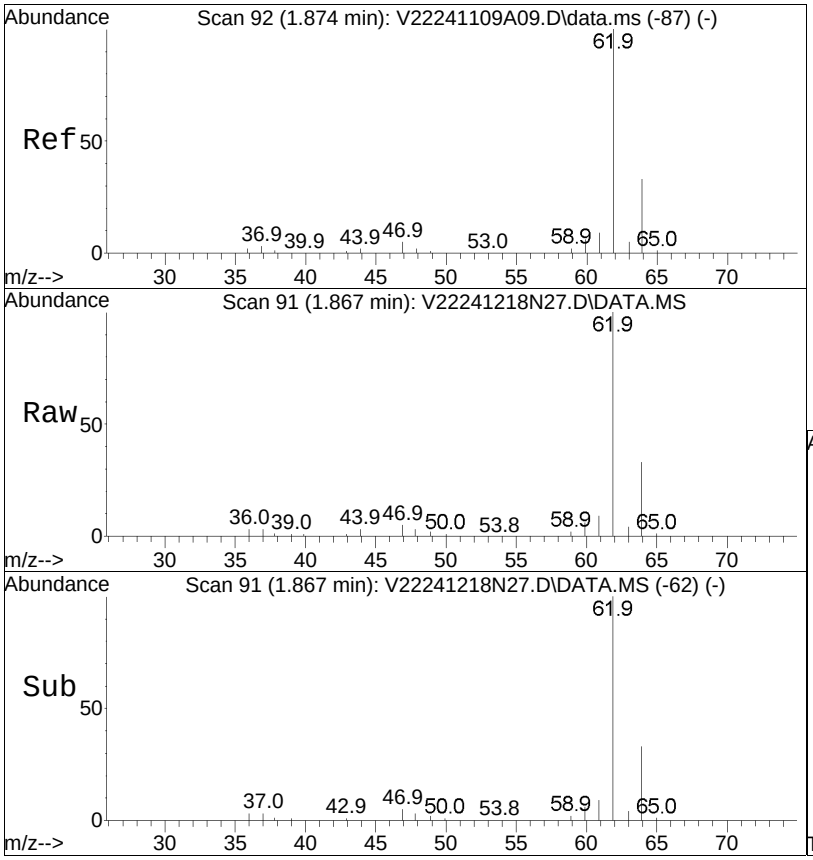


#3
Chloromethane
Concen: 8.46 ug/L
RT: 1.795 min Scan# 80
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 50 Resp: 79755

Ion	Ratio	Lower	Upper
50	100		
52	31.0	12.8	52.8
47	8.0	0.0	30.0

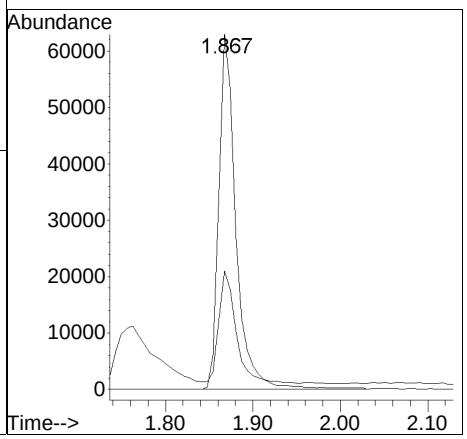


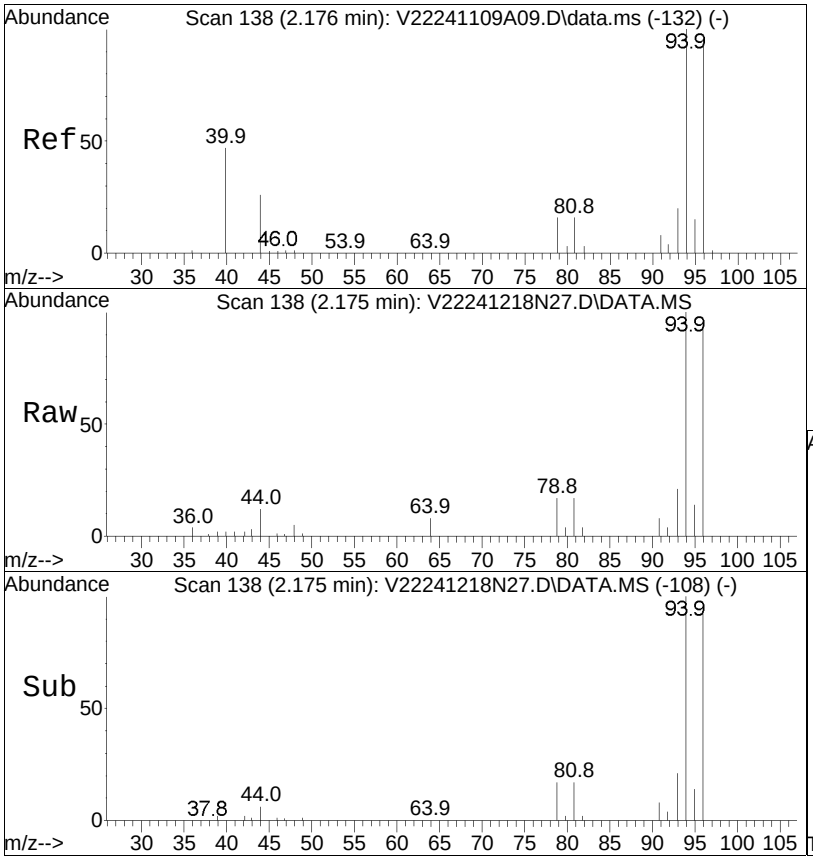


#4
Vinyl chloride
Concen: 6.86 ug/L
RT: 1.867 min Scan# 91
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 62 Resp: 86335

Ion	Ratio	Lower	Upper
62	100		
64	33.8	12.0	52.0

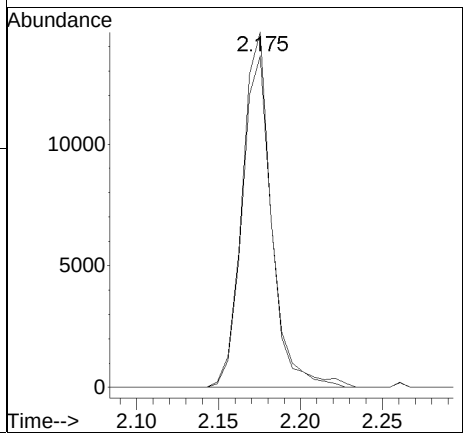


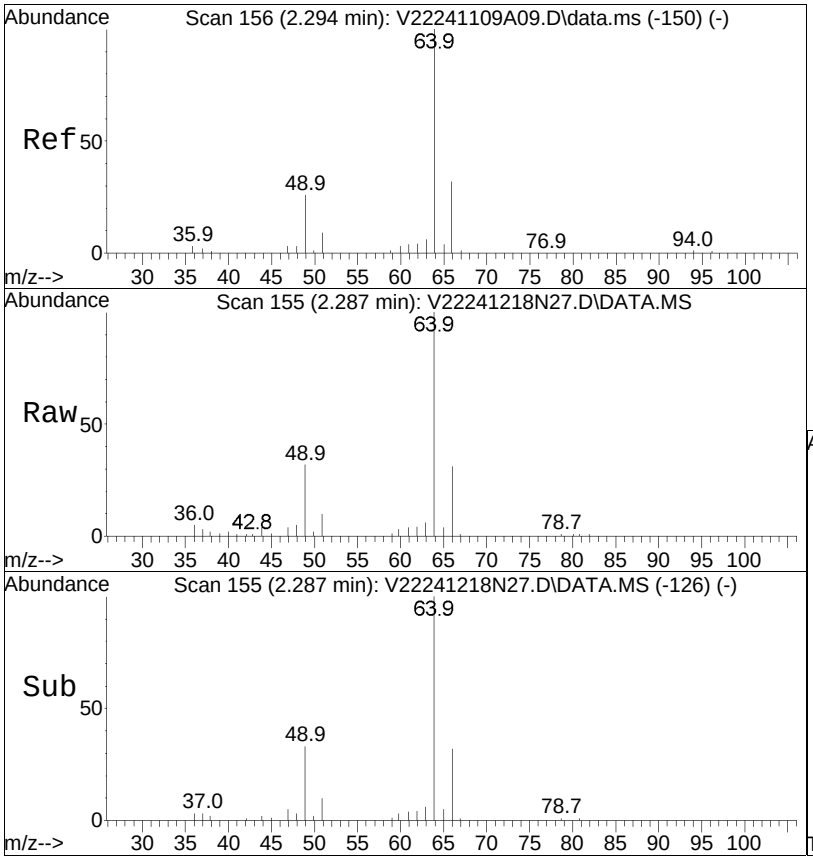


#5
Bromomethane
Concen: 2.02 ug/L
RT: 2.175 min Scan# 138
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 94 Resp: 18336

Ion	Ratio	Lower	Upper
94	100		
96	93.0	72.8	112.8

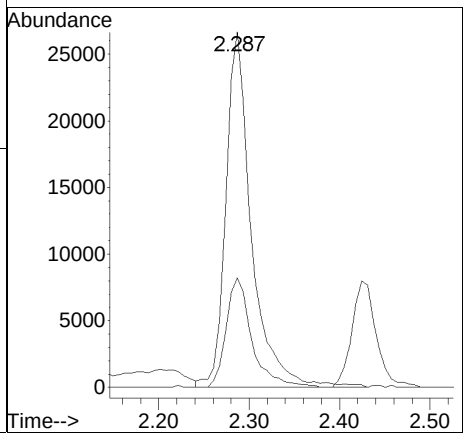


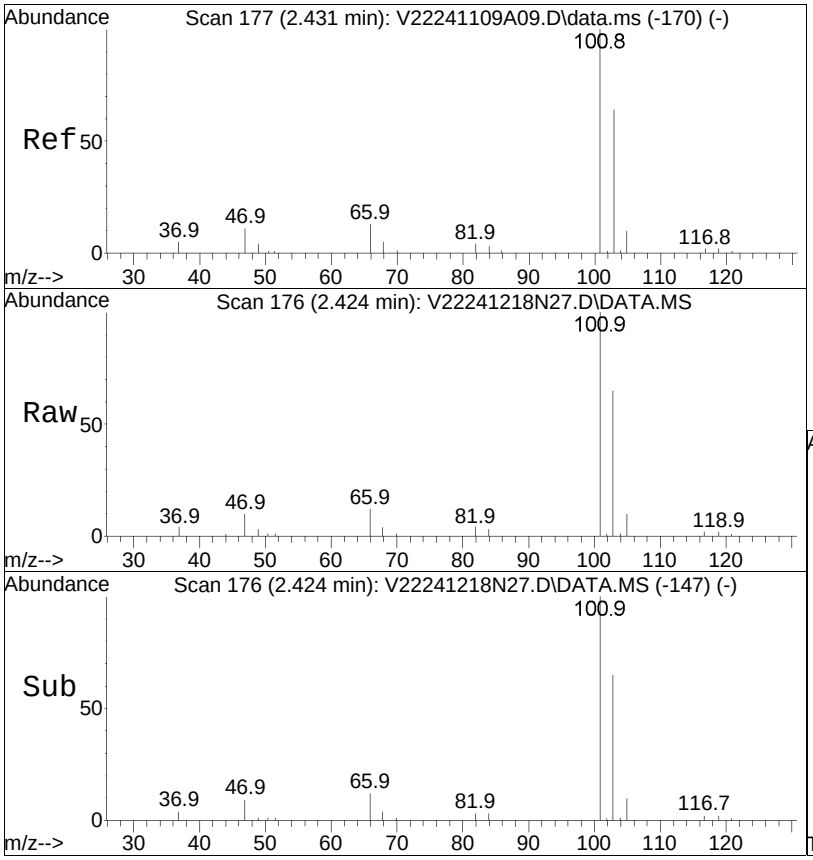


#6
Chloroethane
Concen: 6.09 ug/L
RT: 2.287 min Scan# 155
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 64 Resp: 52541

Ion	Ratio	Lower	Upper
64	100		
66	31.1	12.2	52.2

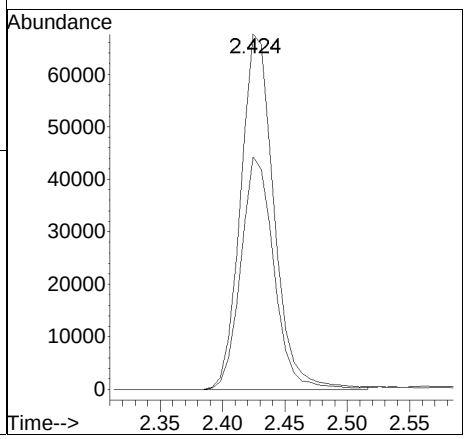


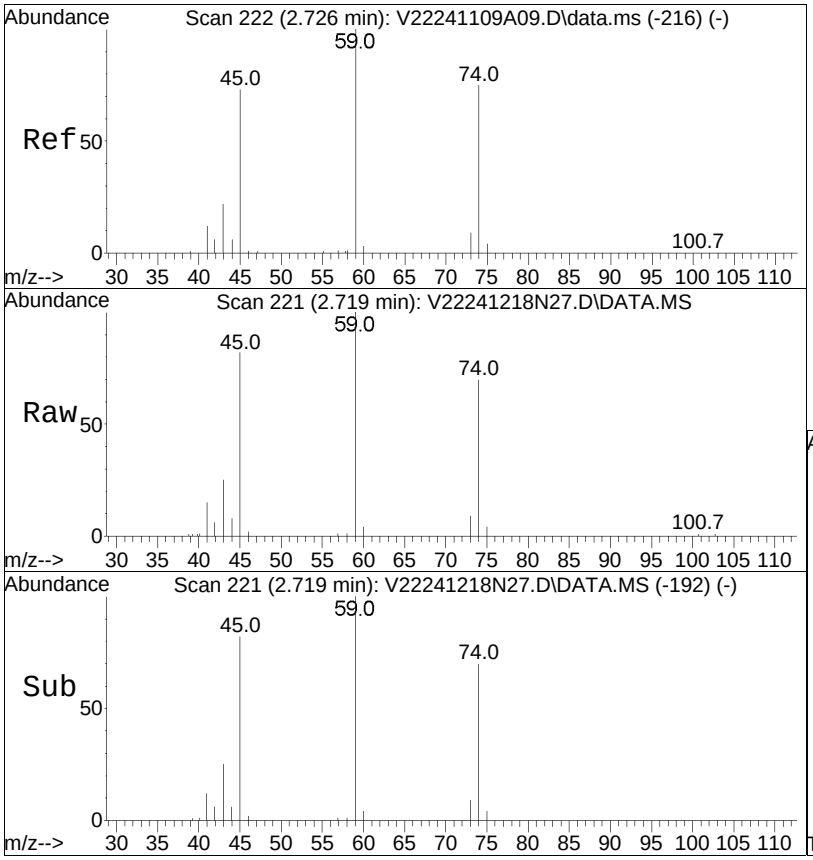


#7
Trichlorofluoromethane
Concen: 8.73 ug/L
RT: 2.424 min Scan# 176
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:101 Resp: 125690

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

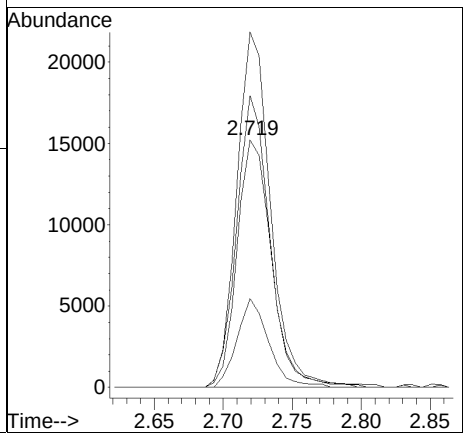


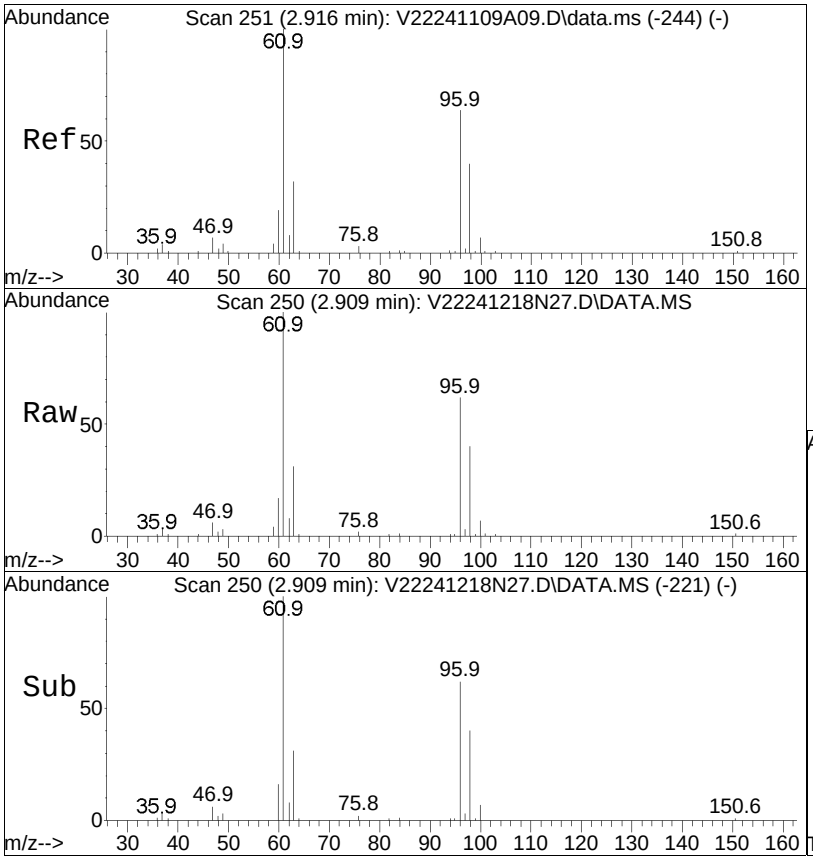


#8
Ethyl ether
Concen: 8.37 ug/L
RT: 2.719 min Scan# 221
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 74 Resp: 26529

Ion	Ratio	Lower	Upper
74	100		
59	141.5	2122.4	4408.0#
45	113.7	1435.1	2980.5#
43	33.1	407.9	847.3#

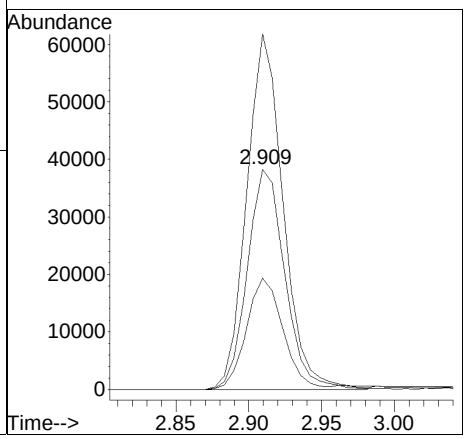


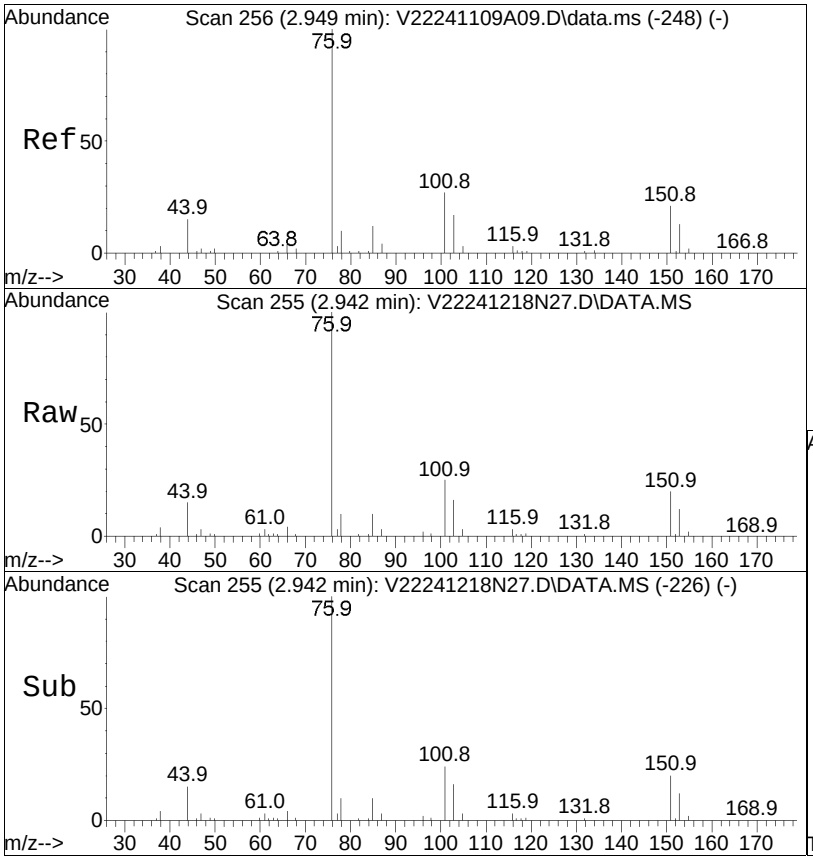


#10
1,1-Dichloroethene
Concen: 9.03 ug/L
RT: 2.909 min Scan# 250
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 96 Resp: 68598

Ion	Ratio	Lower	Upper
96	100		
61	157.8	117.0	175.4
63	50.3	37.8	56.6

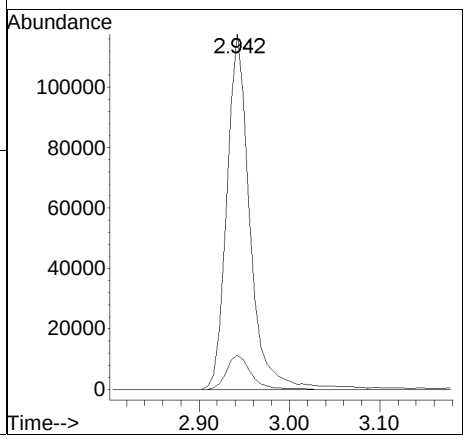


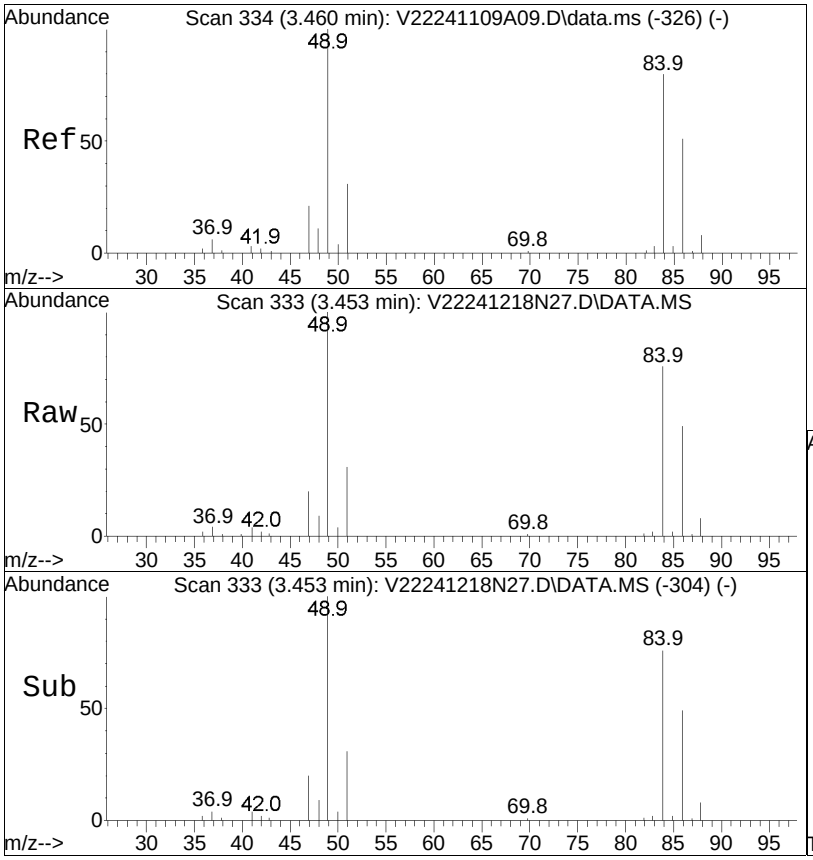


#11
Carbon disulfide
Concen: 9.04 ug/L
RT: 2.942 min Scan# 255
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 76 Resp: 208729

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.4	13.4

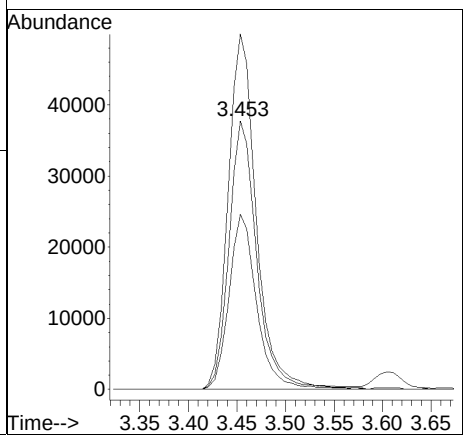


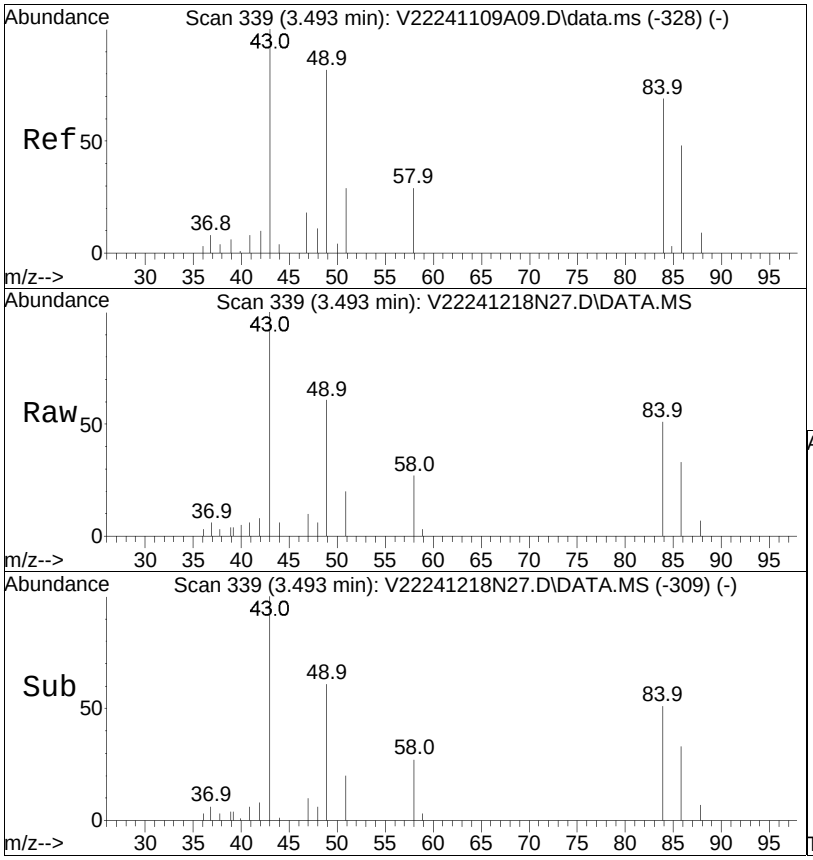


#15
Methylene chloride
Concen: 8.45 ug/L
RT: 3.453 min Scan# 333
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 84 Resp: 75388

Ion	Ratio	Lower	Upper
84	100		
86	65.1	41.5	86.3
49	133.7	68.8	143.0

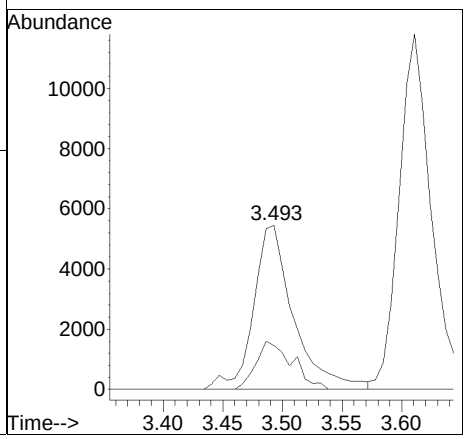


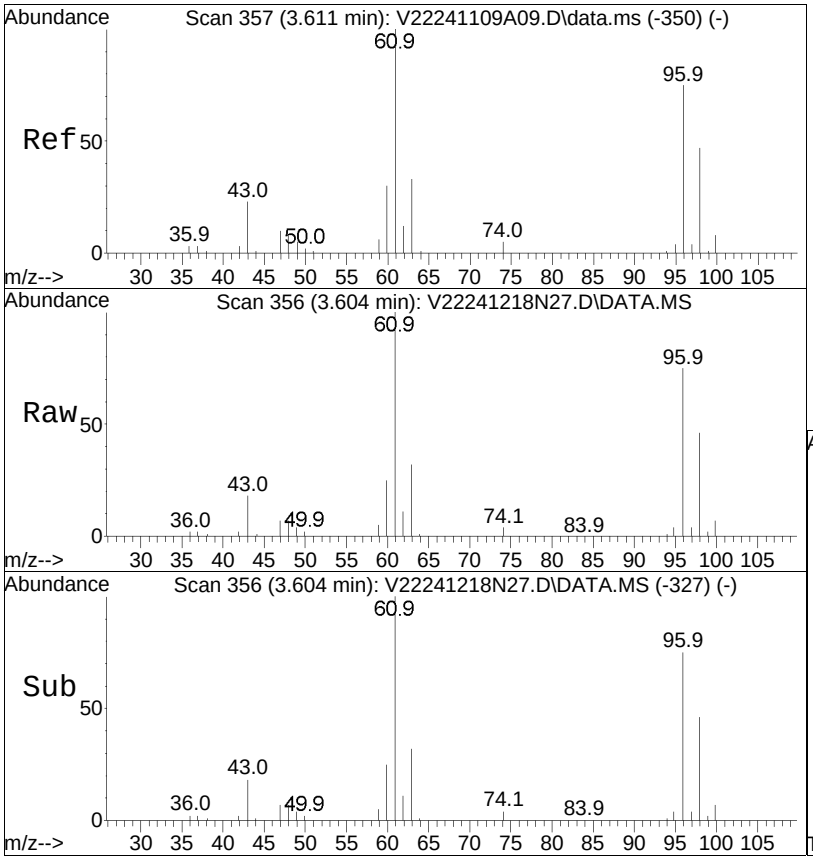


#17
Acetone
Concen: 9.97 ug/L
RT: 3.493 min Scan# 339
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 43 Resp: 12815

Ion	Ratio	Lower	Upper
43	100		
58	26.5	23.1	34.7

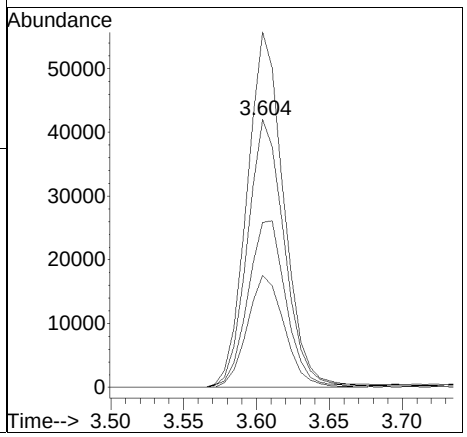


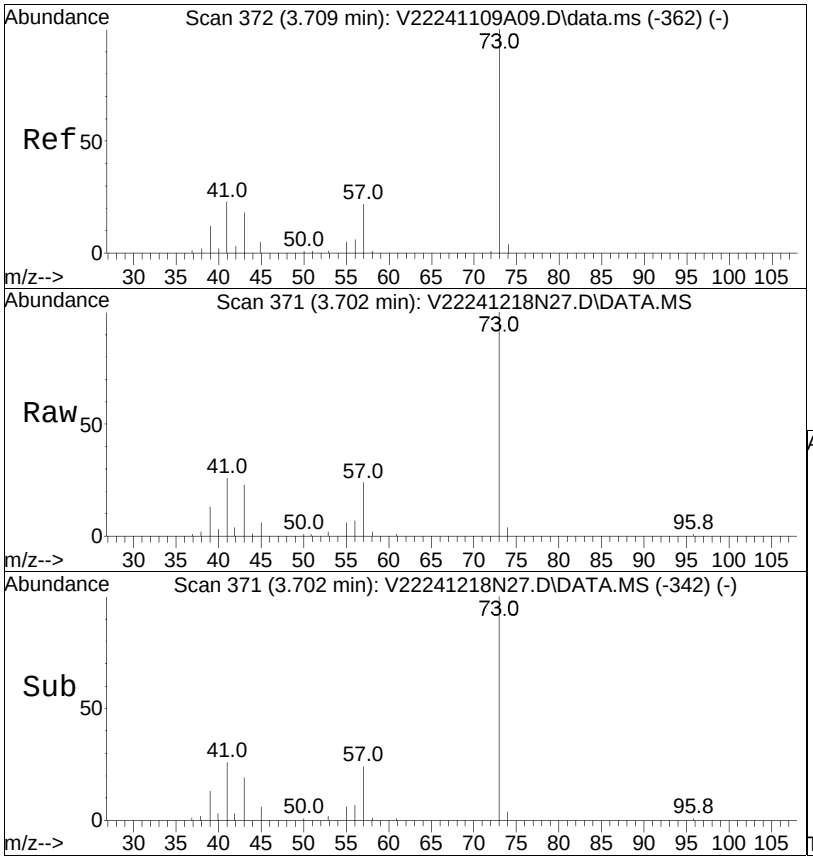


#18
trans-1,2-Dichloroethene
Concen: 8.93 ug/L
RT: 3.604 min Scan# 356
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 96 Resp: 74436

Ion	Ratio	Lower	Upper
96	100		
61	132.2	81.6	169.6
98	64.4	41.8	86.8
63	42.3	26.3	54.7

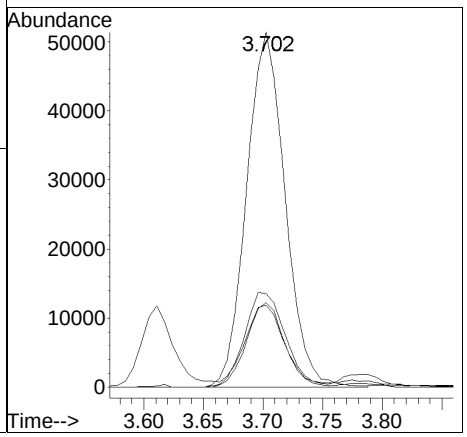


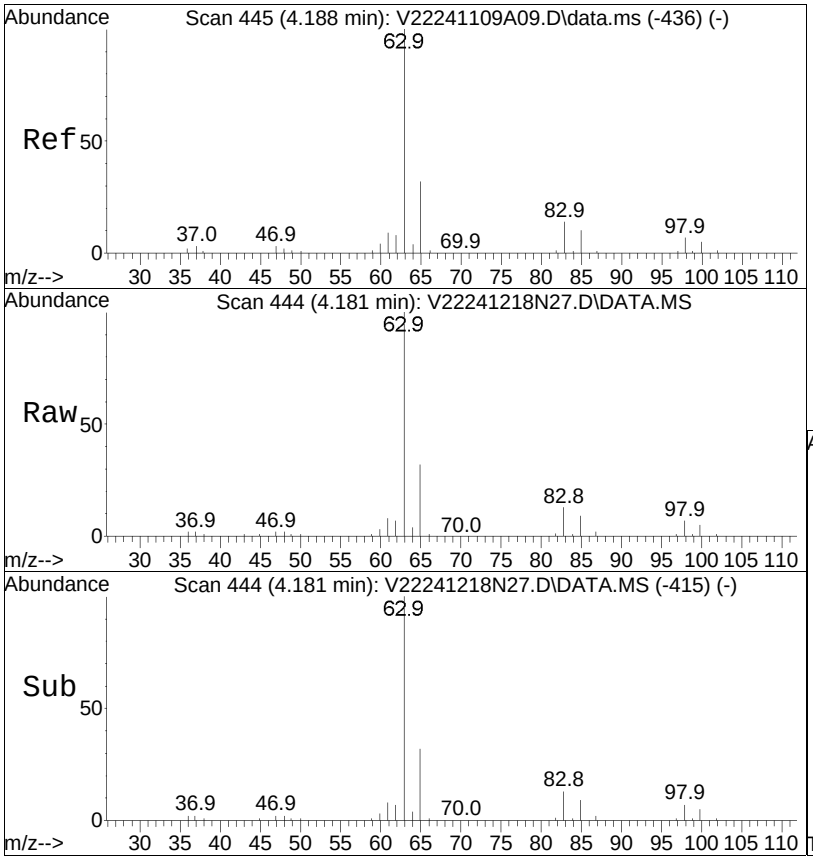


#21
Methyl tert-butyl ether
Concen: 7.91 ug/L
RT: 3.702 min Scan# 371
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 73 Resp: 115663

Ion	Ratio	Lower	Upper
73	100		
57	23.6	13.6	28.2
43	23.2	12.7	26.5
41	28.5	11.4	23.8#

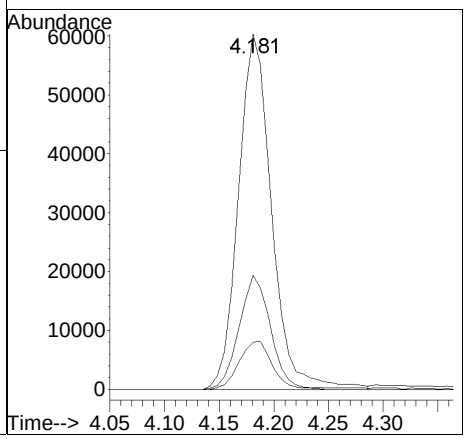


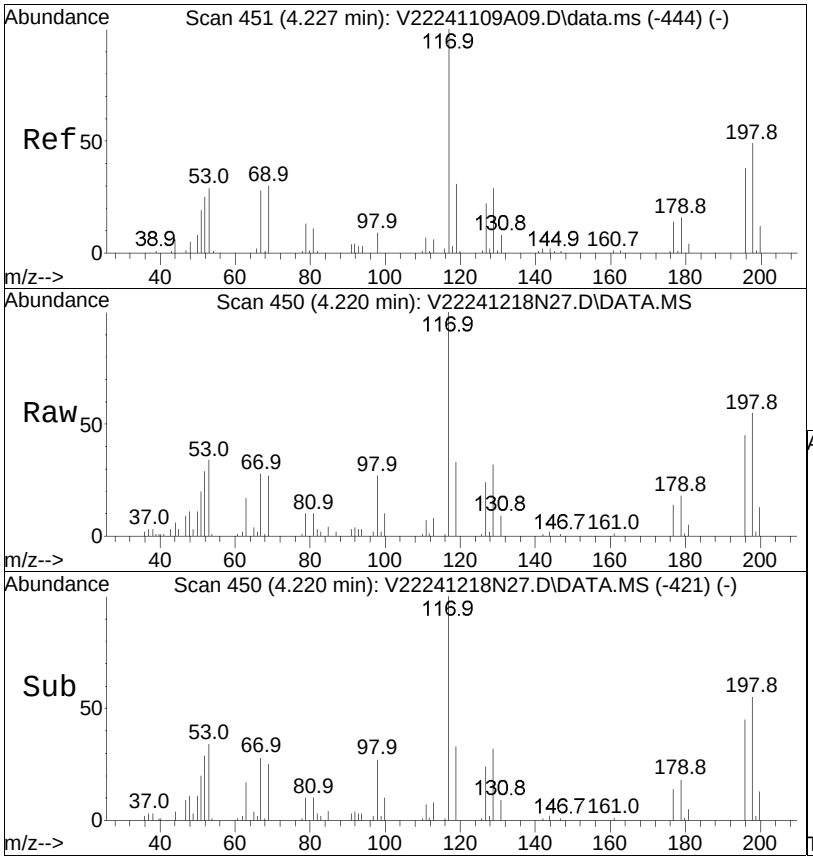


#25
1,1-Dichloroethane
Concen: 8.45 ug/L
RT: 4.181 min Scan# 444
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 63 Resp: 127634

Ion	Ratio	Lower	Upper
63	100		
65	30.7	11.9	51.9
83	13.5	0.0	34.2

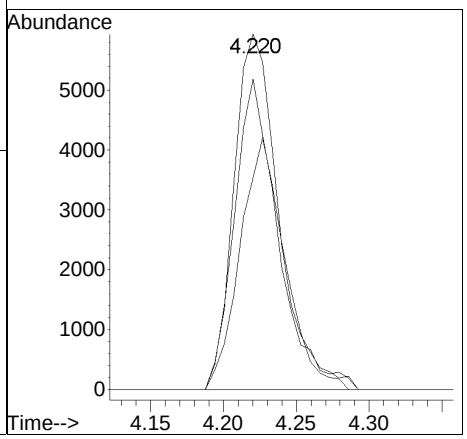


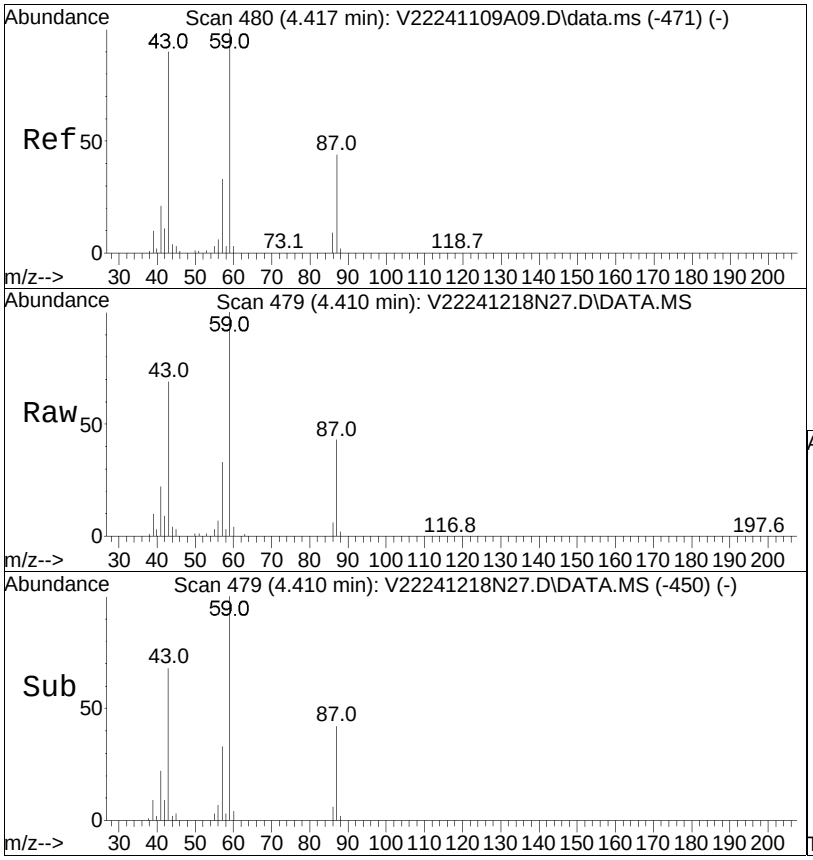


#27
Acrylonitrile
Concen: 8.33 ug/L
RT: 4.220 min Scan# 450
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 53 Resp: 12782

Ion	Ratio	Lower	Upper
53	100		
52	85.0	63.8	95.8
51	70.4	50.2	75.4

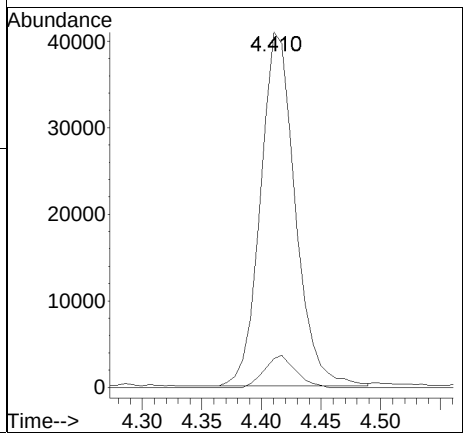


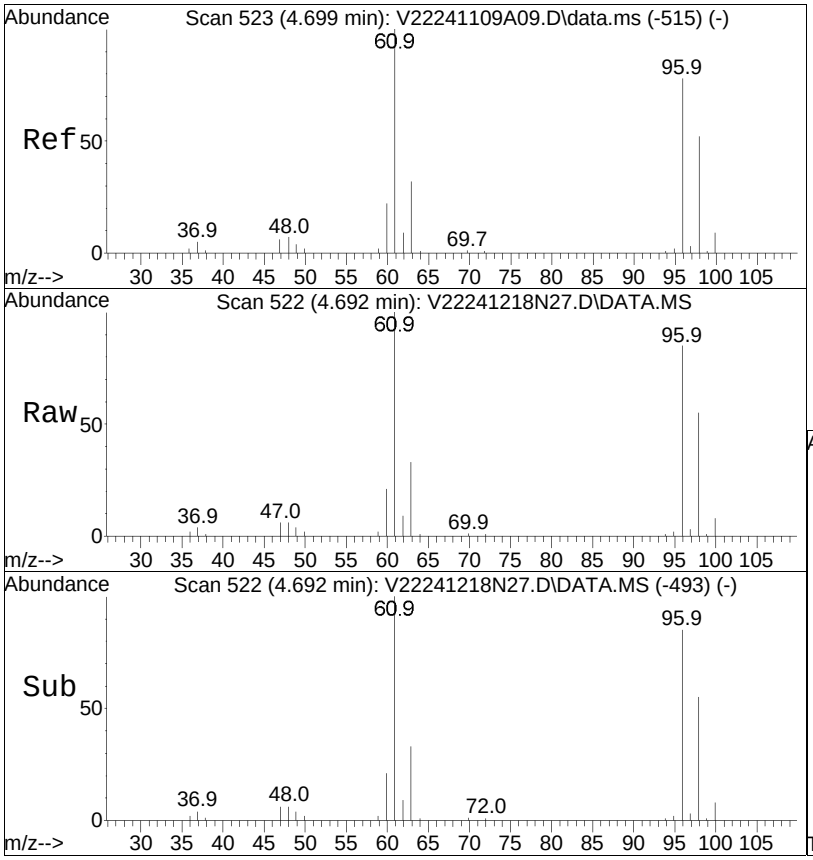


#29
Vinyl acetate
Concen: 6.35 ug/L
RT: 4.410 min Scan# 479
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 43 Resp: 83065

Ion	Ratio	Lower	Upper
43	100		
86	8.0	8.9	13.3#

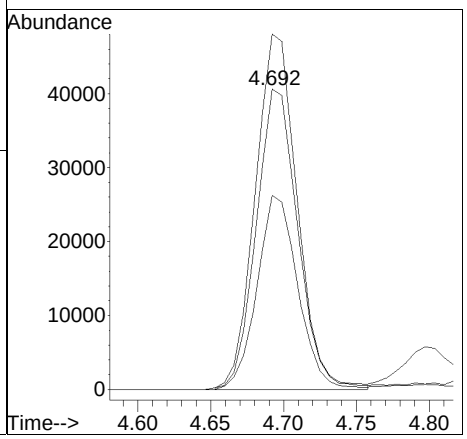


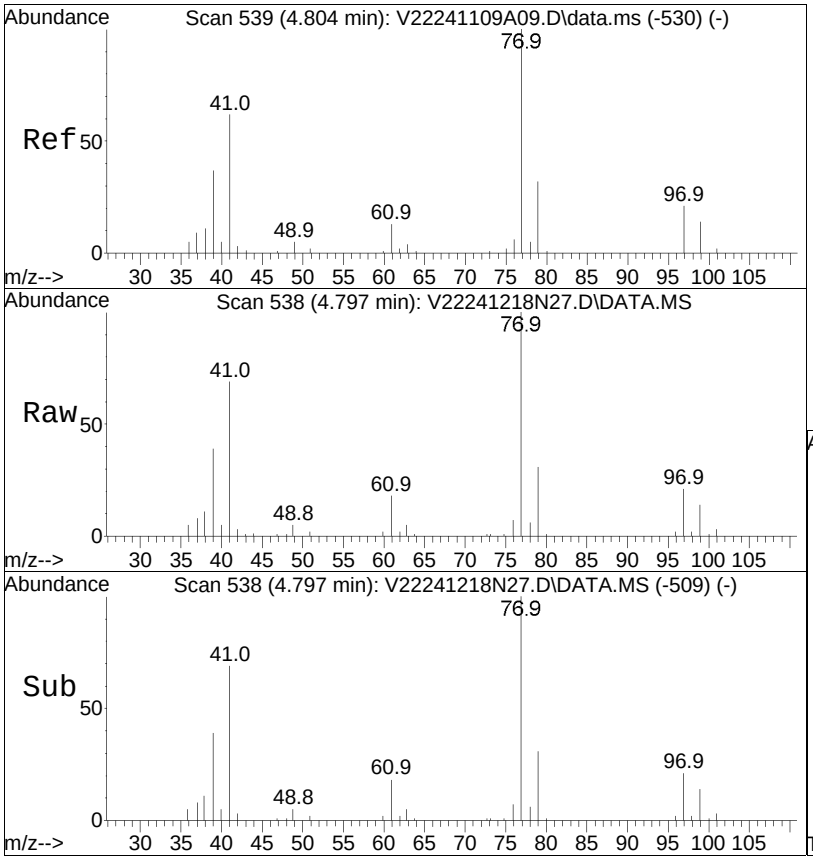


#30
cis-1,2-Dichloroethene
Concen: 8.72 ug/L
RT: 4.692 min Scan# 522
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 96 Resp: 80446

Ion	Ratio	Lower	Upper
96	100		
61	119.6	90.3	135.5
98	63.4	50.8	76.2

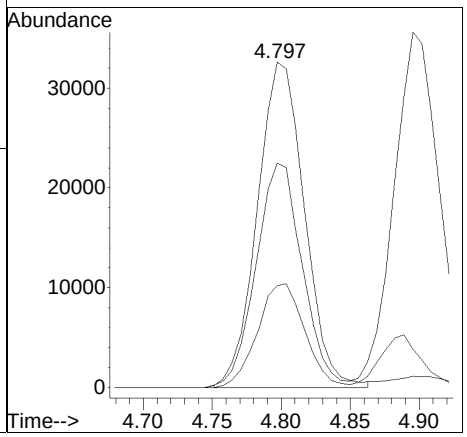


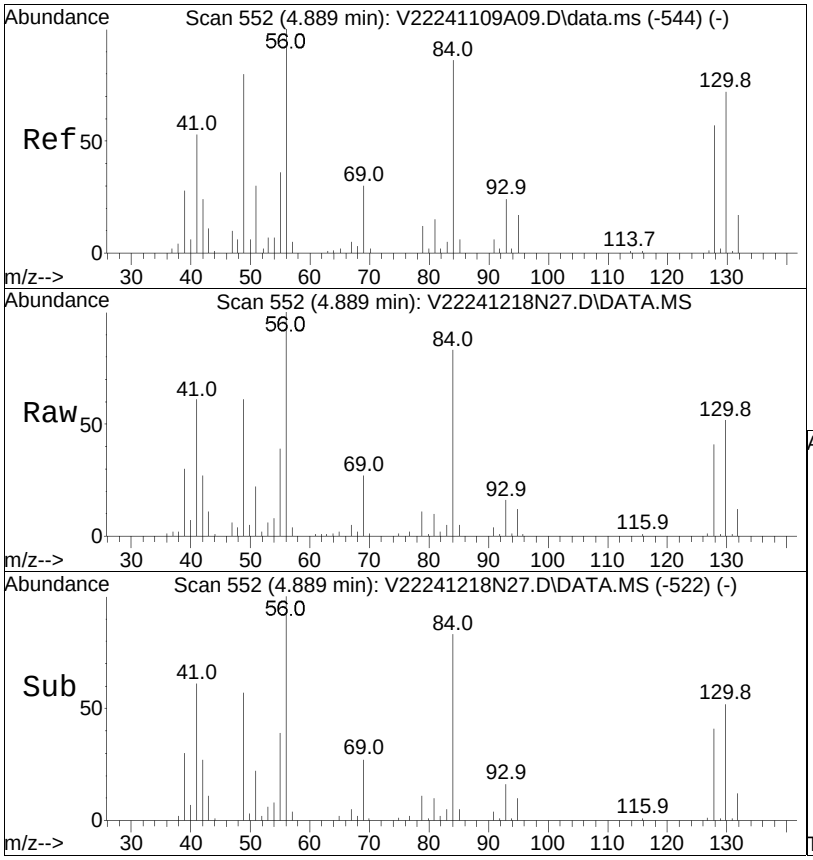


#31
2,2-Dichloropropane
Concen: 6.94 ug/L
RT: 4.797 min Scan# 538
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 77 Resp: 77391

Ion	Ratio	Lower	Upper
77	100		
41	67.8	32.3	67.1#
79	31.9	21.1	43.7

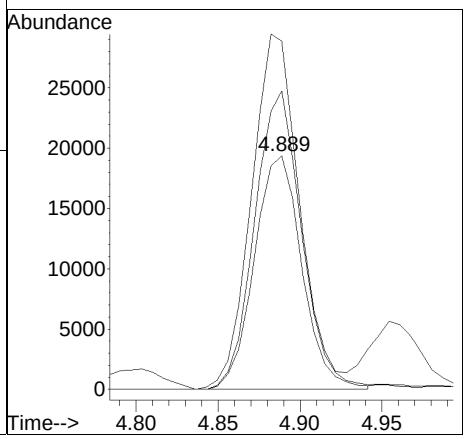


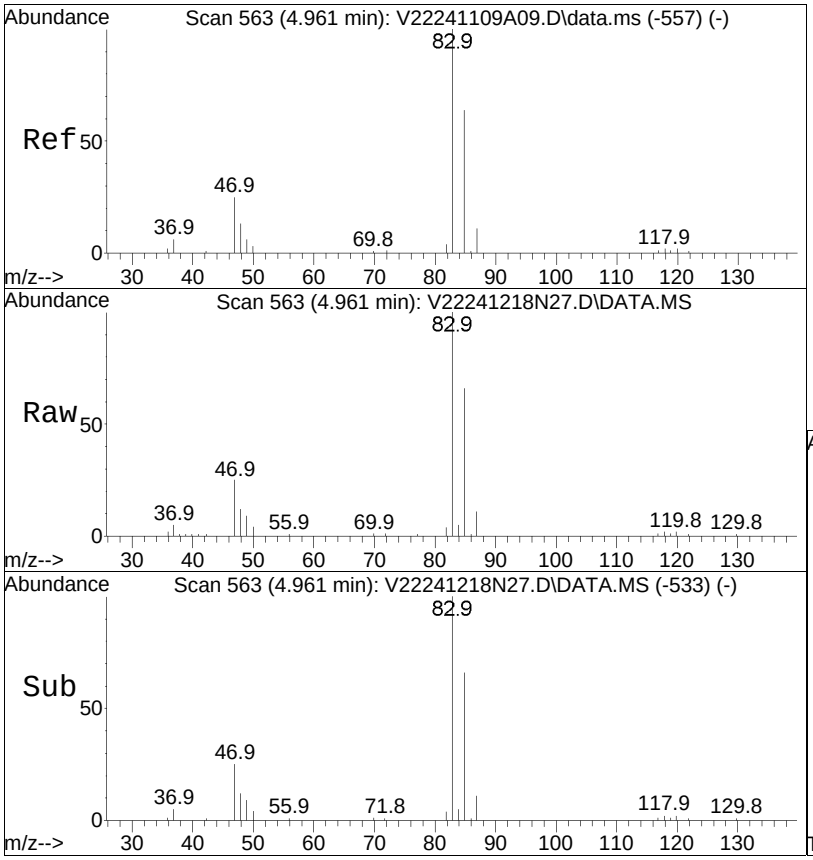


#32
Bromochloromethane
Concen: 8.46 ug/L
RT: 4.889 min Scan# 552
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:128 Resp: 39241

Ion	Ratio	Lower	Upper
128	100		
49	153.3	104.4	156.6
130	127.9	103.9	155.9

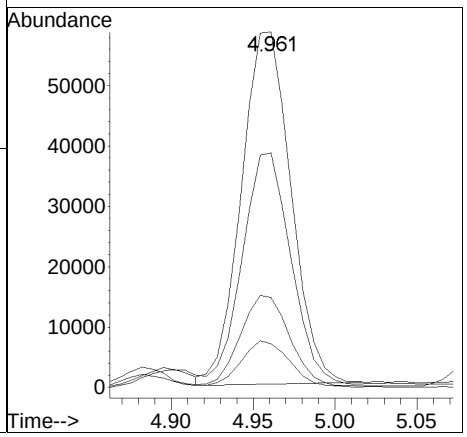


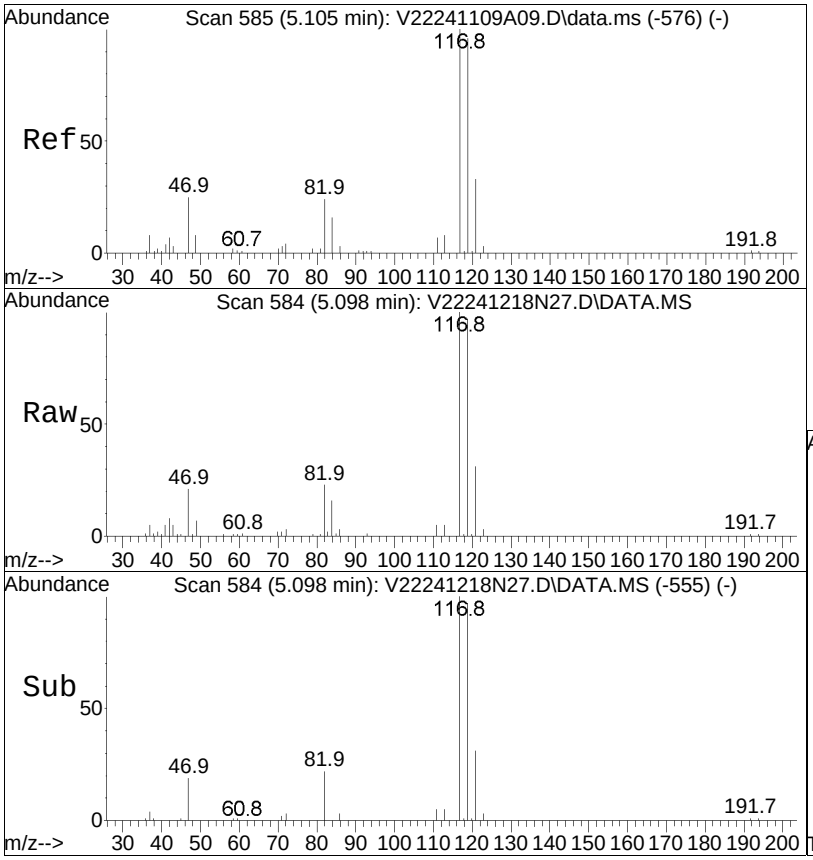


#34
Chloroform
Concen: 8.17 ug/L
RT: 4.961 min Scan# 563
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 83 Resp: 123350

Ion	Ratio	Lower	Upper
83	100		
85	64.4	42.4	88.2
47	25.3	14.0	29.0
48	13.1	6.9	14.3

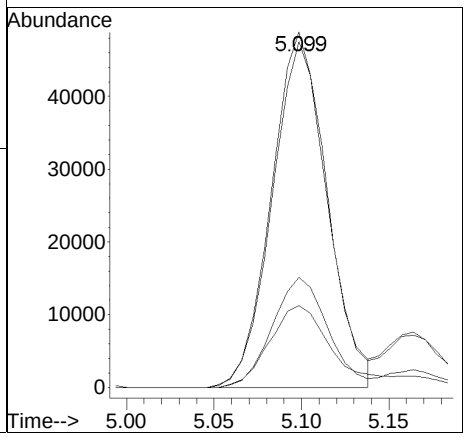


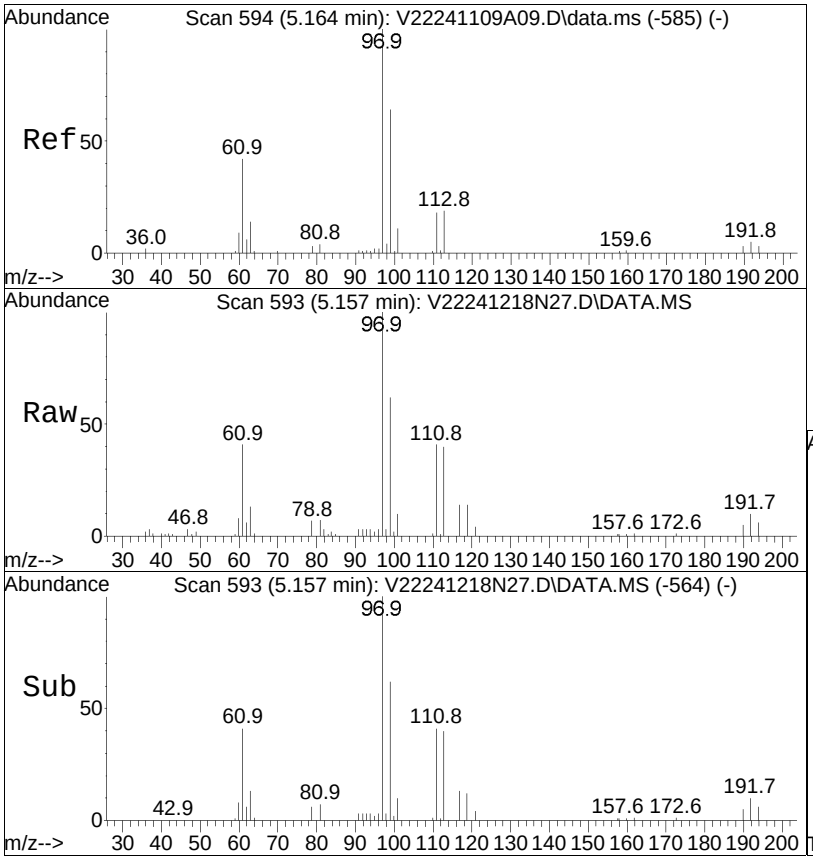


#36
Carbon tetrachloride
Concen: 8.86 ug/L
RT: 5.098 min Scan# 584
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:117 Resp: 108159

Ion	Ratio	Lower	Upper
117	100		
119	96.3	62.1	129.1
121	30.8	20.3	42.3
82	28.7	15.4	32.0

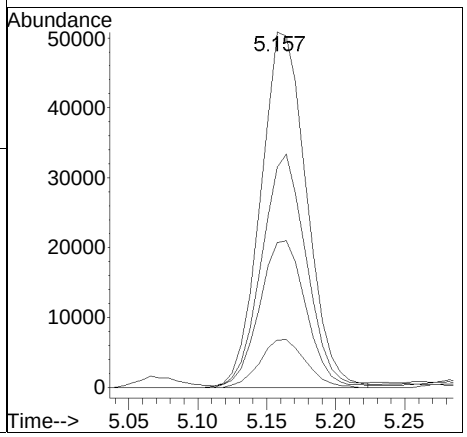


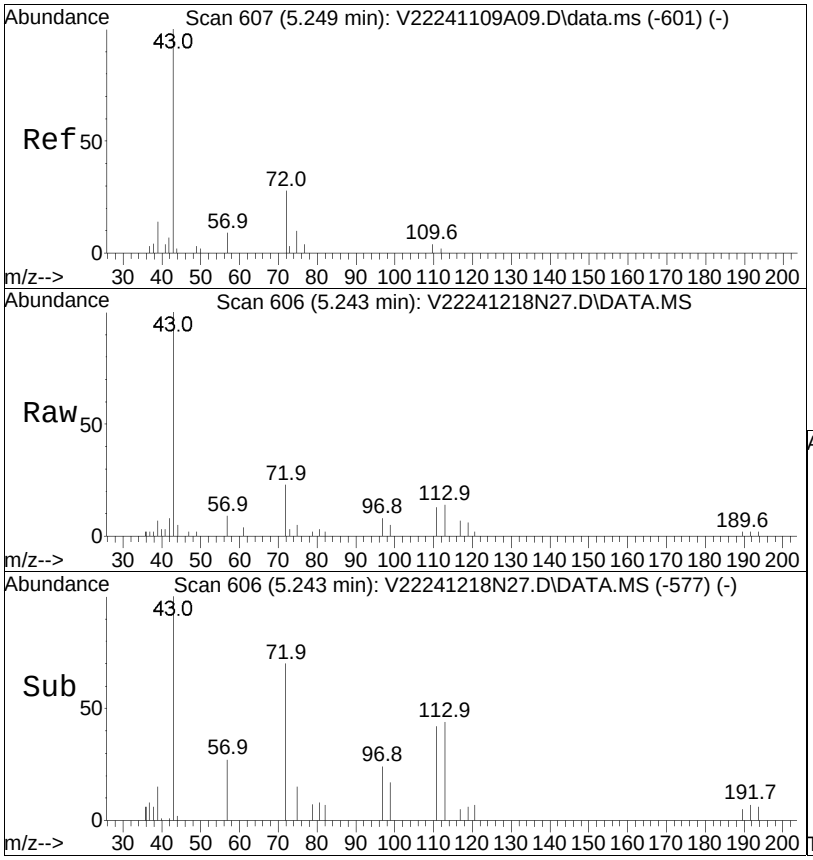


#39
1,1,1-Trichloroethane
Concen: 8.56 ug/L
RT: 5.157 min Scan# 593
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 97 Resp: 117771

Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.4	88.0
61	41.5	26.0	54.0
63	13.4	8.3	17.3

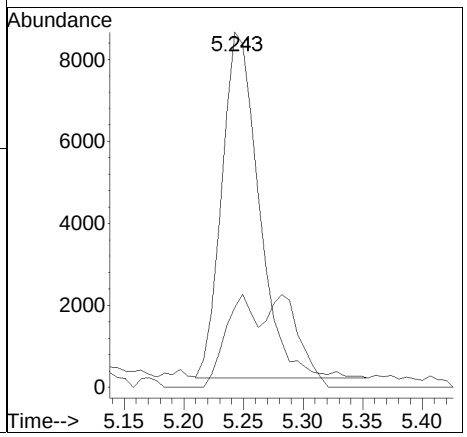


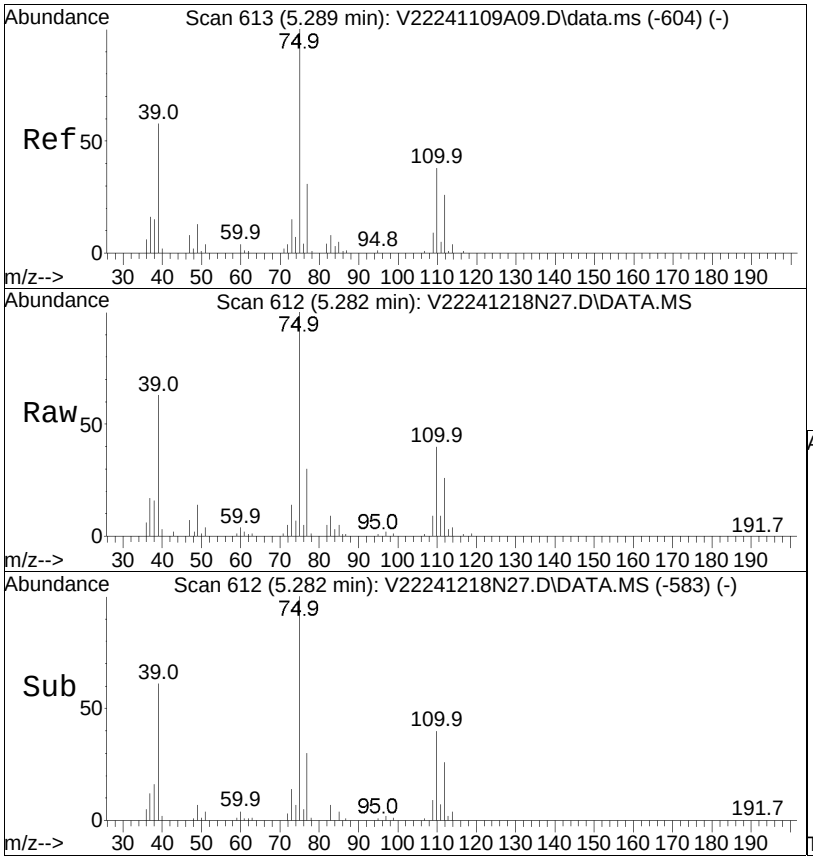


#41
2-Butanone
Concen: 10.04 ug/L
RT: 5.243 min Scan# 606
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 43 Resp: 18332

Ion	Ratio	Lower	Upper
43	100		
72	21.9	45.8	68.8#

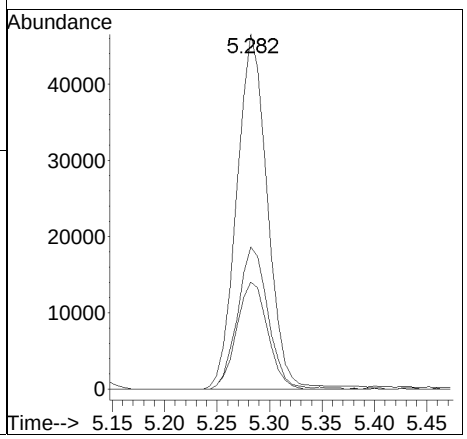


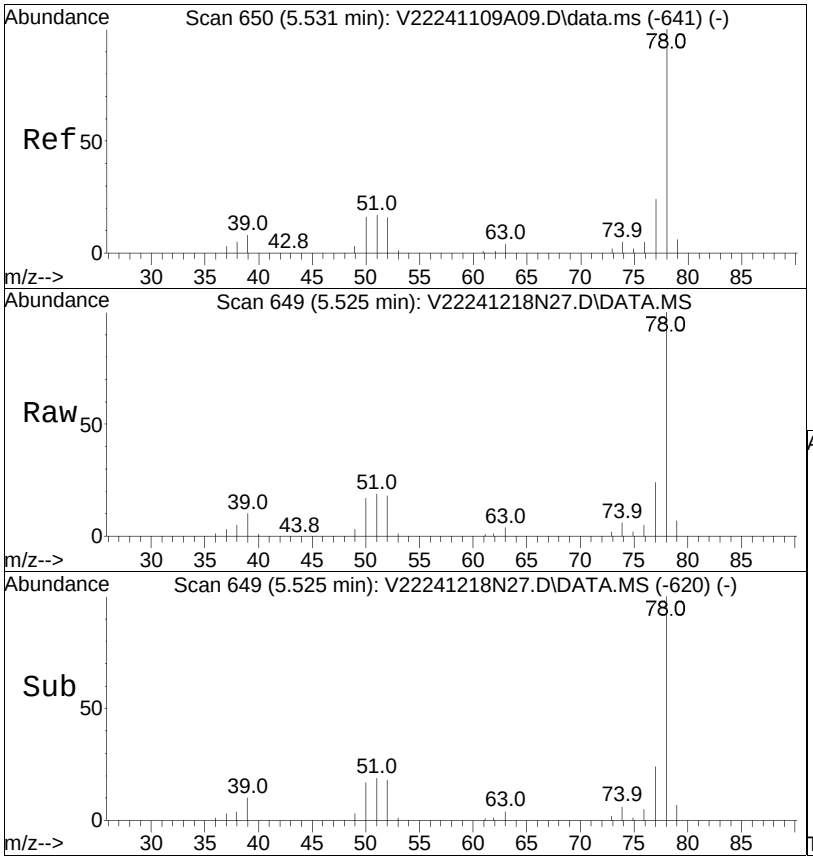


#42
1,1-Dichloropropene
Concen: 8.56 ug/L
RT: 5.282 min Scan# 612
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 75 Resp: 95261

Ion	Ratio	Lower	Upper
75	100		
110	39.4	25.4	52.8
77	30.4	20.3	42.1

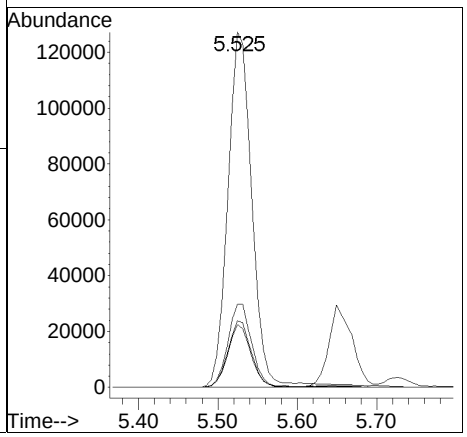


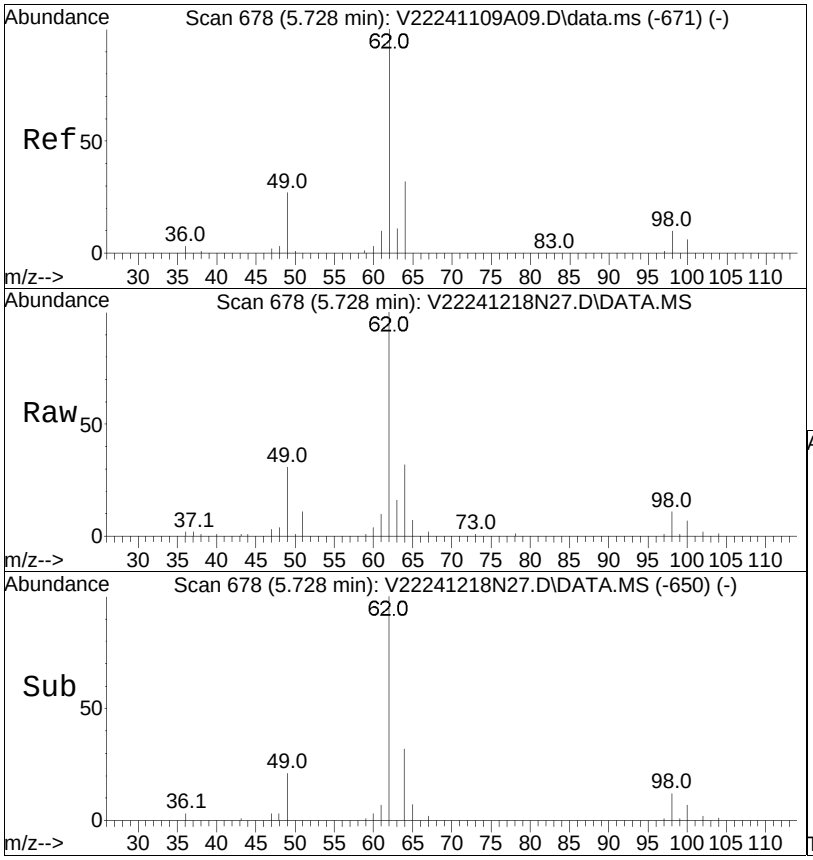


#44
Benzene
Concen: 8.73 ug/L
RT: 5.525 min Scan# 649
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 78 Resp: 286673

Ion	Ratio	Lower	Upper
78	100		
77	21.8	15.4	32.0
51	17.1	9.8	20.4
52	16.0	9.2	19.2

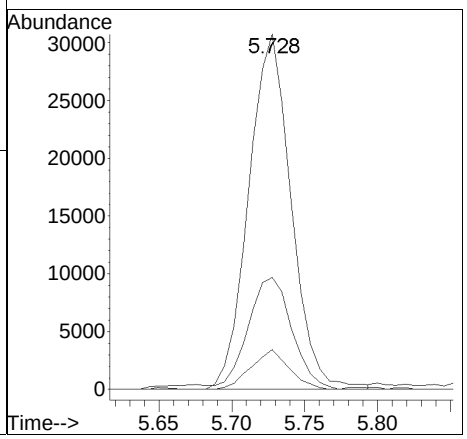


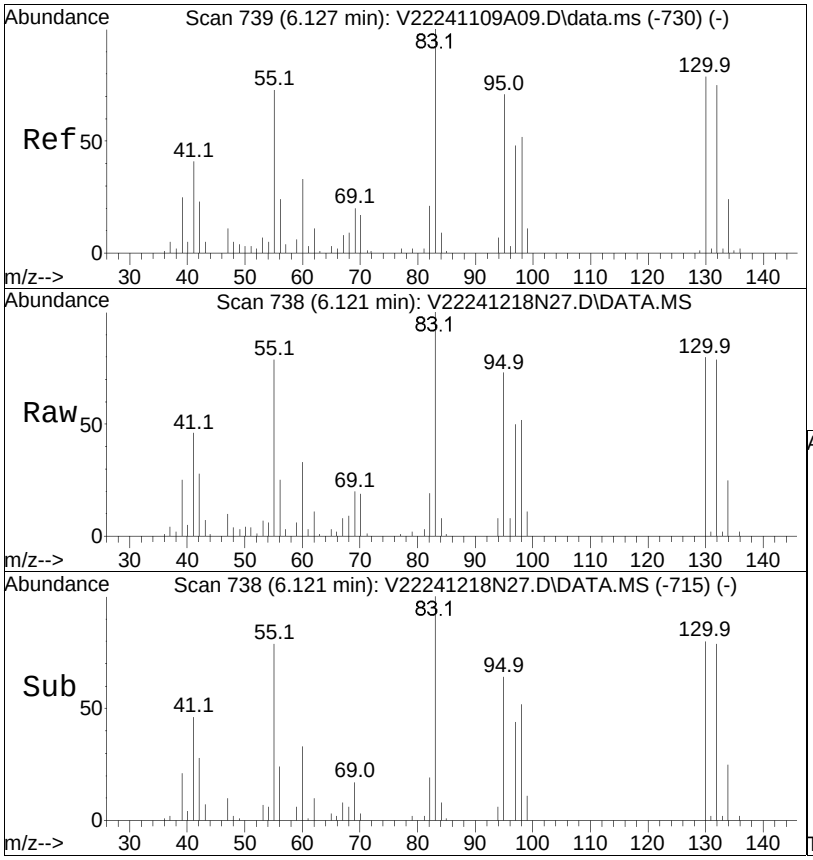


#47
1,2-Dichloroethane
Concen: 7.81 ug/L
RT: 5.728 min Scan# 678
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 62 Resp: 62272

Ion	Ratio	Lower	Upper
62	100		
64	37.1	12.3	52.3
98	10.1	0.0	30.3

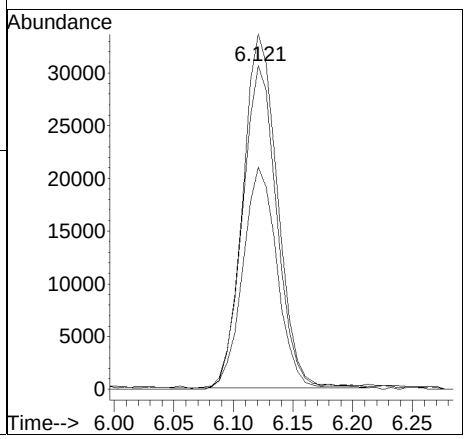


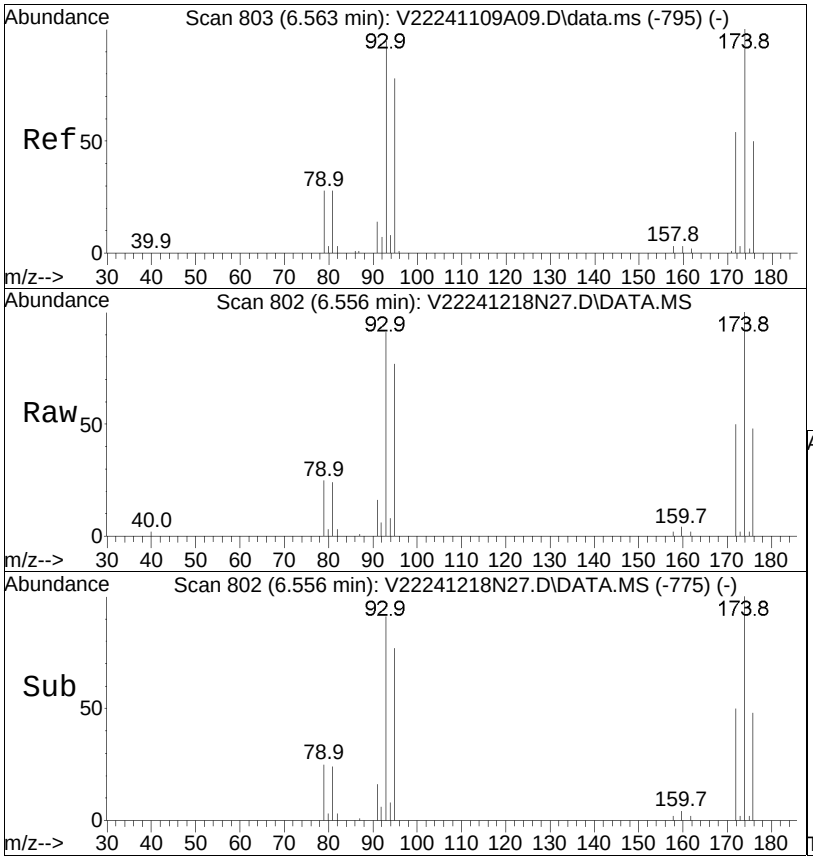


#51
Trichloroethene
Concen: 8.01 ug/L
RT: 6.121 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 95 Resp: 61185

Ion	Ratio	Lower	Upper
95	100		
97	70.4	55.0	82.4
130	112.3	89.2	133.8

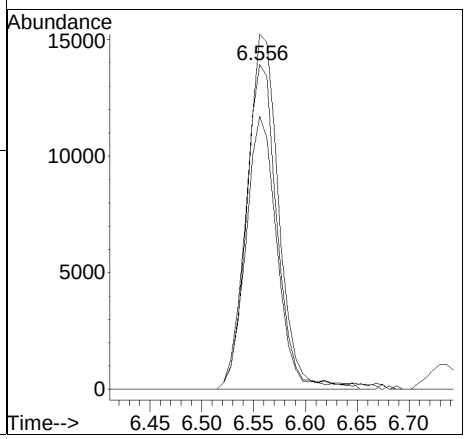


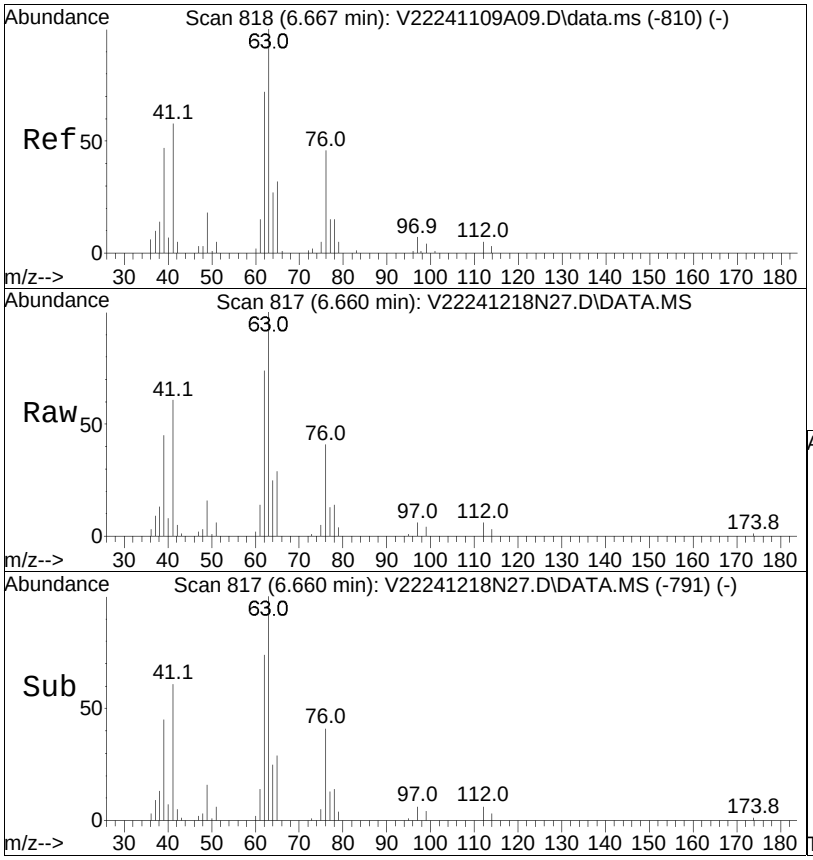


#53
Dibromomethane
Concen: 7.86 ug/L
RT: 6.556 min Scan# 802
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 93 Resp: 31989

Ion	Ratio	Lower	Upper
93	100		
95	84.6	68.0	102.0
174	108.9	106.1	159.1

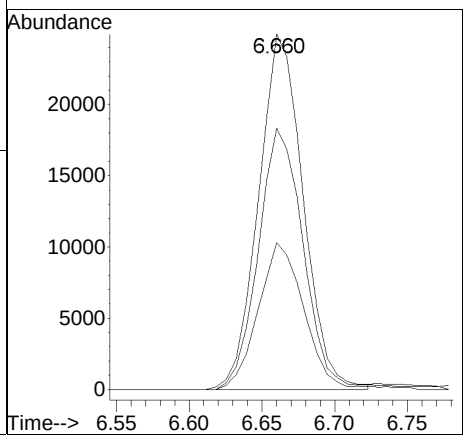


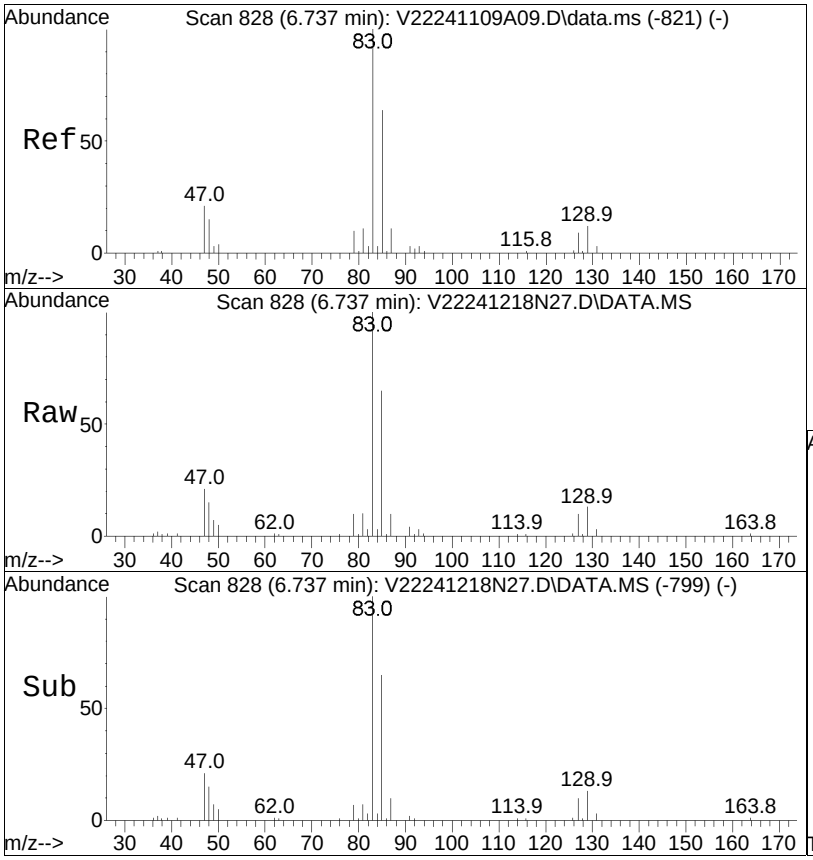


#54
1,2-Dichloropropane
Concen: 8.06 ug/L
RT: 6.660 min Scan# 817
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 63 Resp: 53177

Ion	Ratio	Lower	Upper
63	100		
62	74.4	56.9	85.3
76	42.6	35.8	53.8

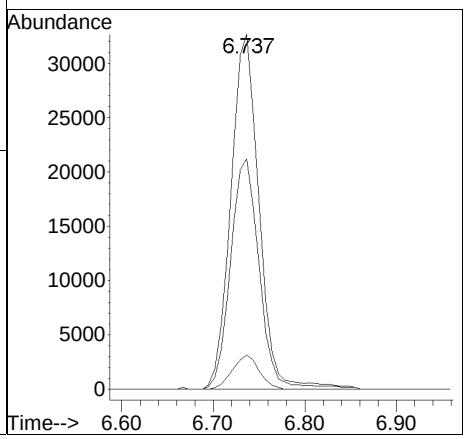


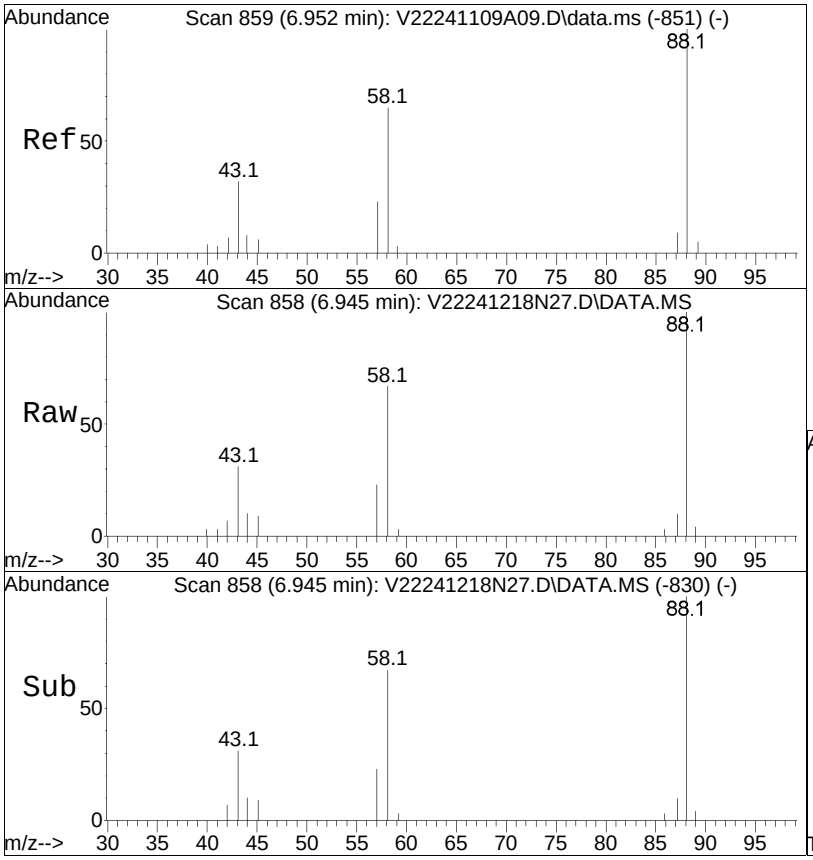


#57
Bromodichloromethane
Concen: 7.66 ug/L
RT: 6.737 min Scan# 828
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 83 Resp: 70231

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.6	77.4
127	9.2	7.4	11.0

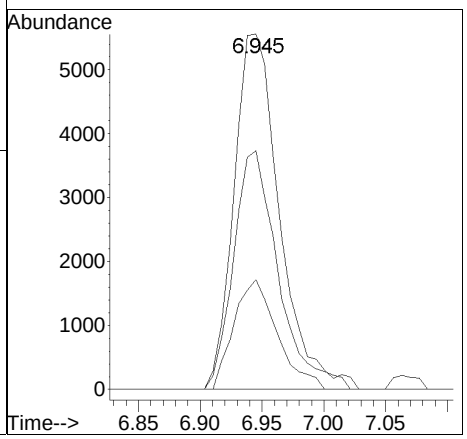


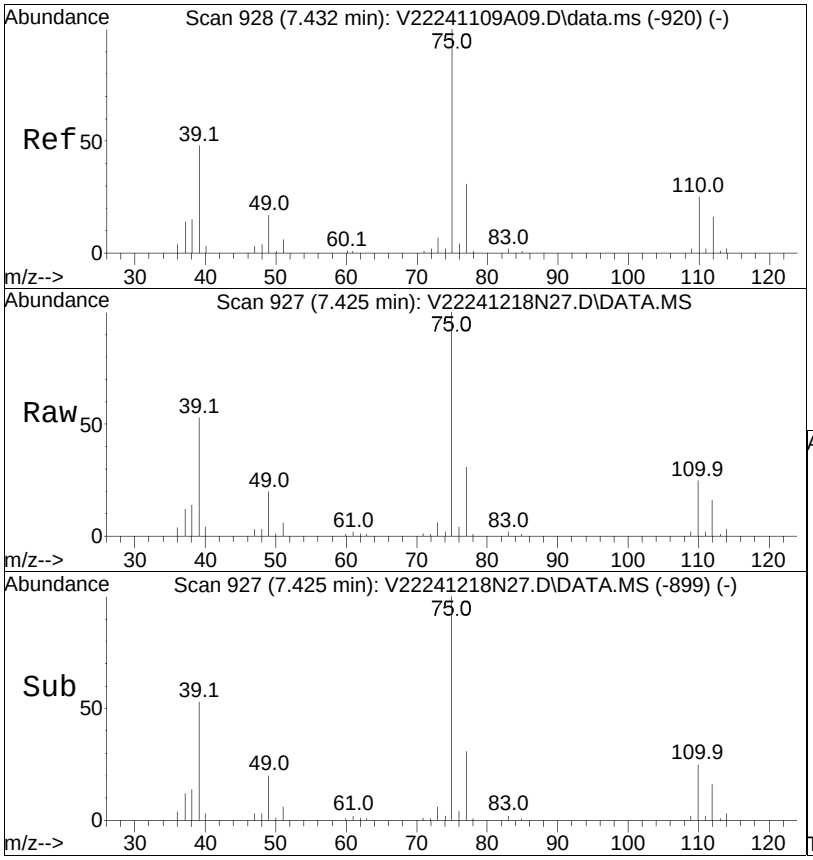


#60
1,4-Dioxane
Concen: 449.28 ug/L
RT: 6.945 min Scan# 858
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 88 Resp: 14279

Ion	Ratio	Lower	Upper
88	100		
58	65.7	43.3	64.9#
43	29.4	15.1	22.7#

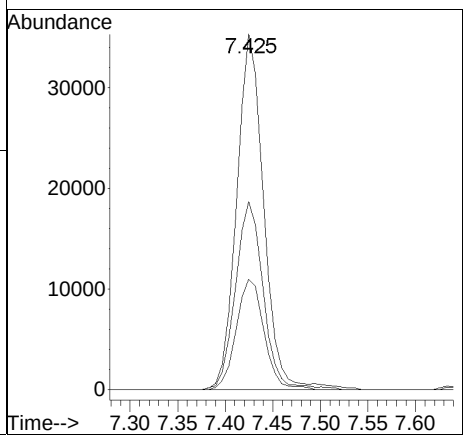


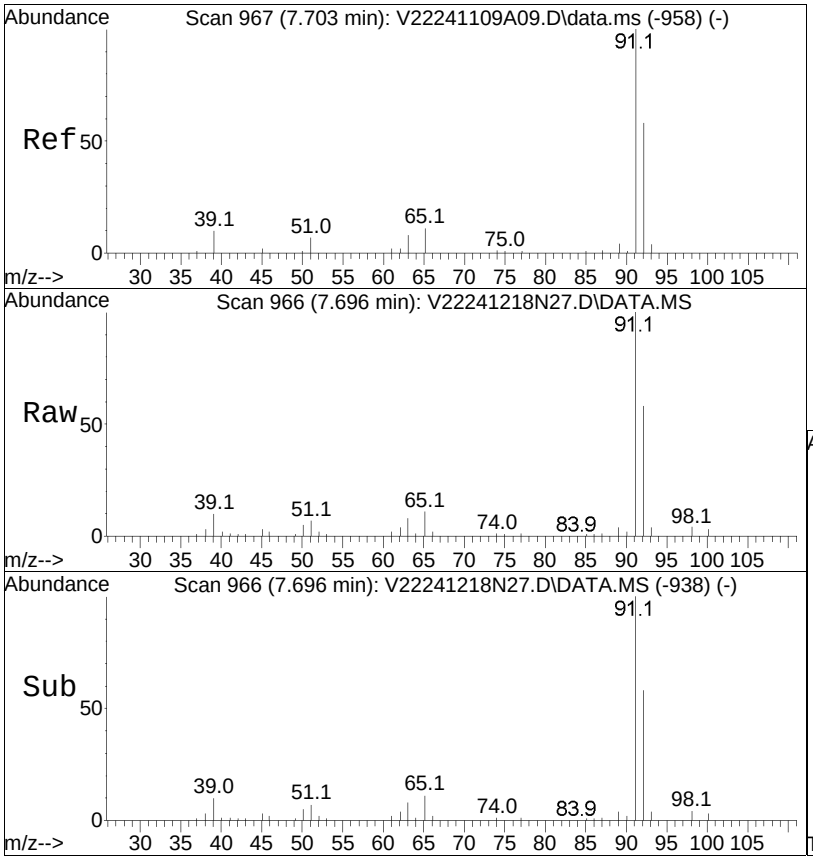


#61
cis-1,3-Dichloropropene
Concen: 7.31 ug/L
RT: 7.425 min Scan# 927
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 75 Resp: 69810

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	54.2	35.4	53.0#

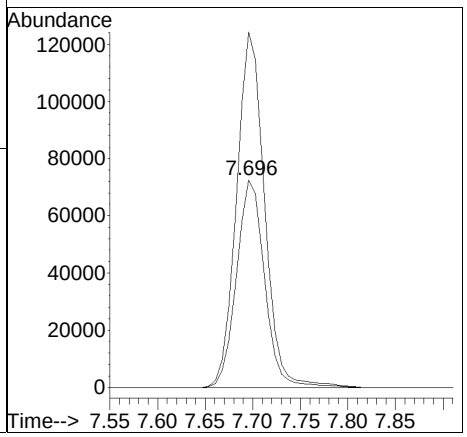


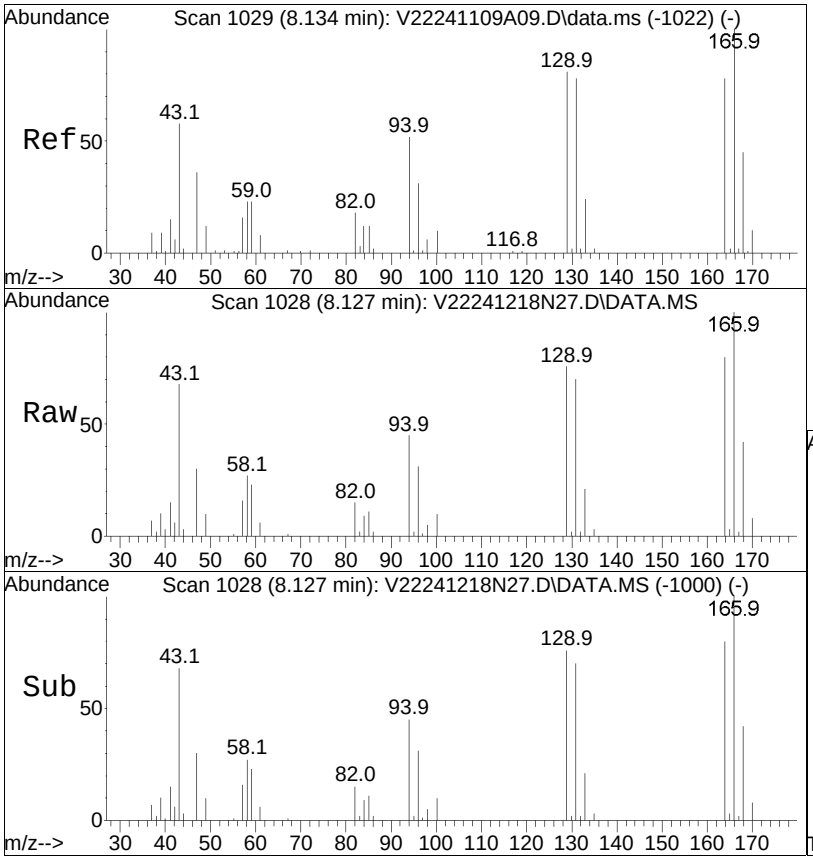


#64
Toluene
Concen: 8.40 ug/L
RT: 7.696 min Scan# 966
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 92 Resp: 149175

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.0	205.6

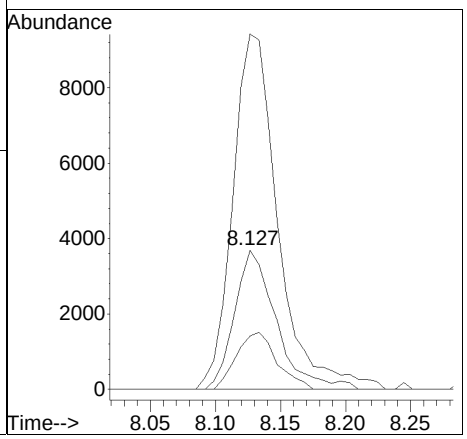


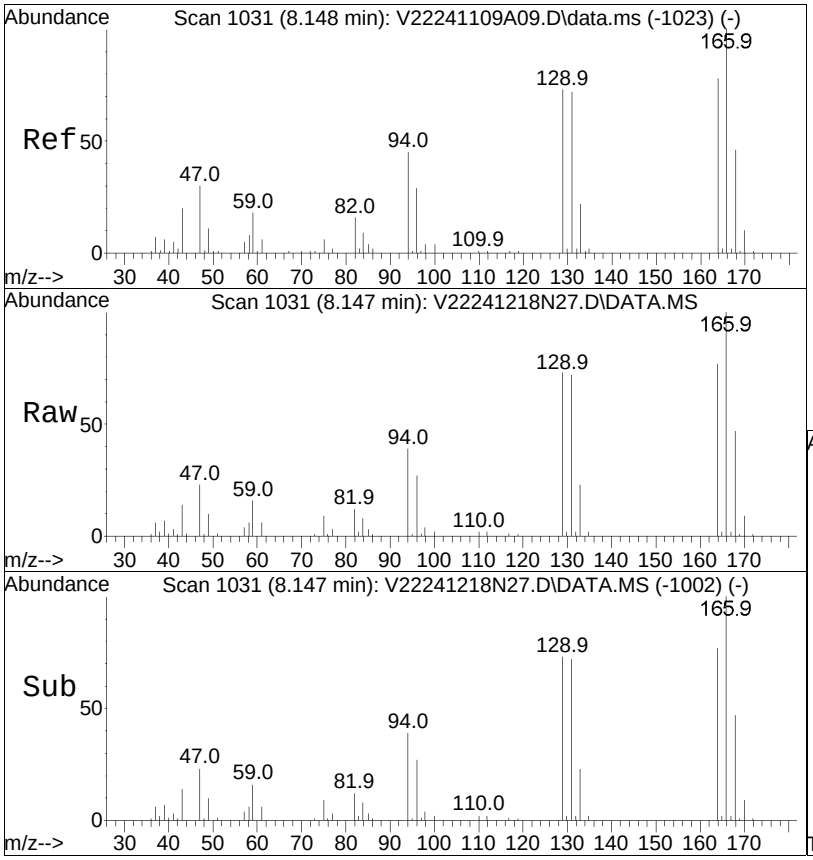


#65
4-Methyl-2-pentanone
Concen: 6.76 ug/L
RT: 8.127 min Scan# 1028
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 58 Resp: 8253

Ion	Ratio	Lower	Upper
58	100		
100	39.8	36.2	54.4
43	275.8	181.8	272.8#

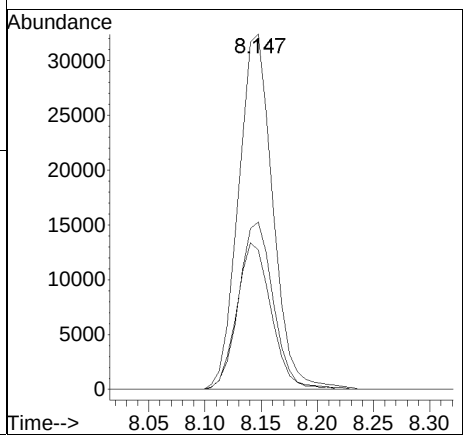


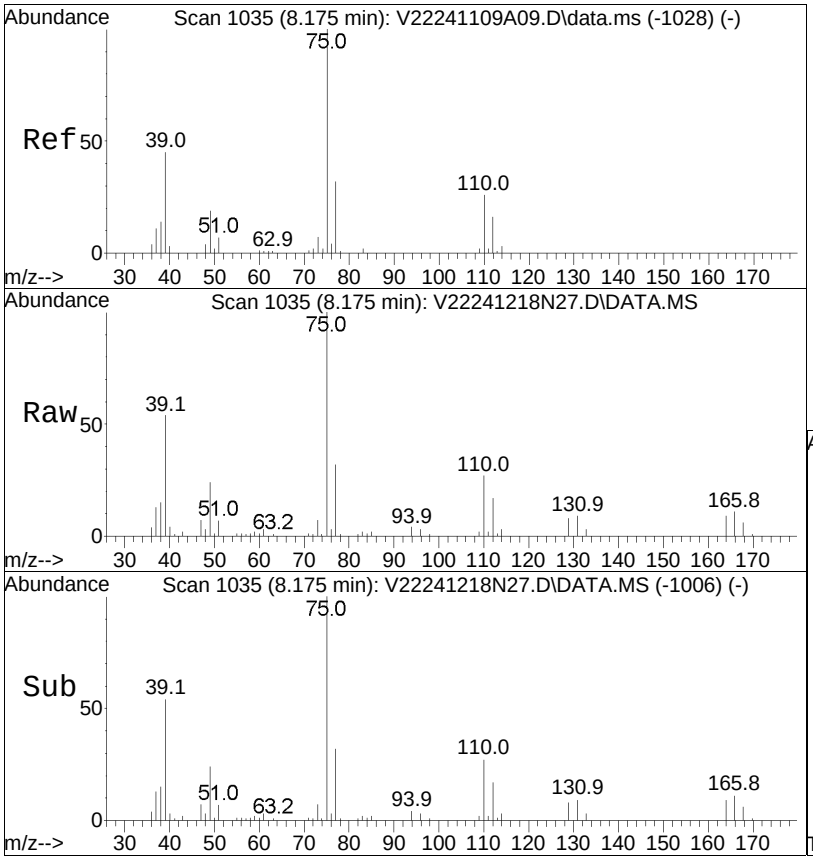


#66
Tetrachloroethene
Concen: 8.49 ug/L
RT: 8.147 min Scan# 1031
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:166 Resp: 69092

Ion	Ratio	Lower	Upper
166	100		
168	47.3	27.8	67.8
94	41.3	16.7	56.7

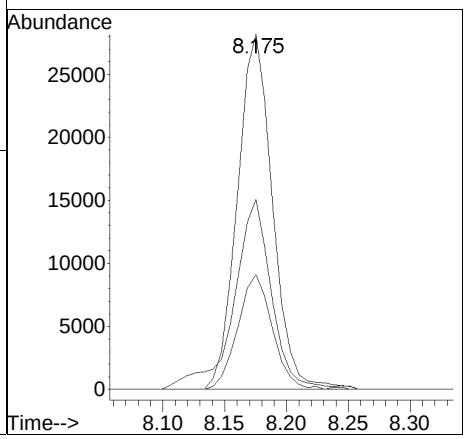


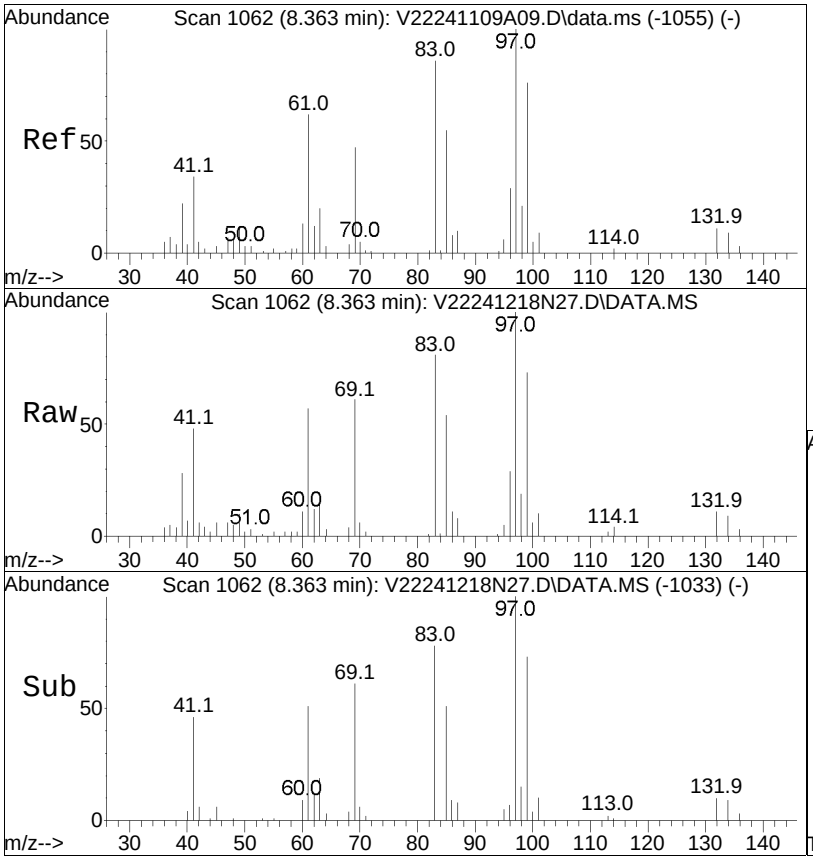


#68
trans-1,3-Dichloropropene
Concen: 6.88 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 75 Resp: 55743

Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.9	51.9
39	57.6	27.4	67.4

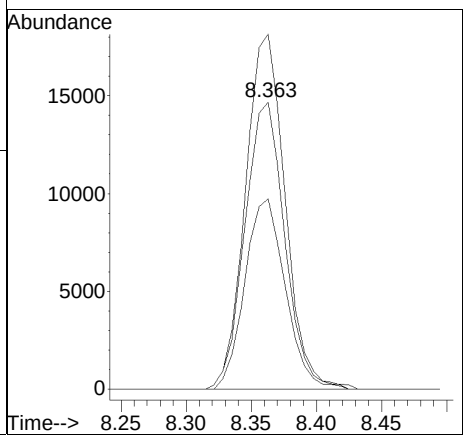


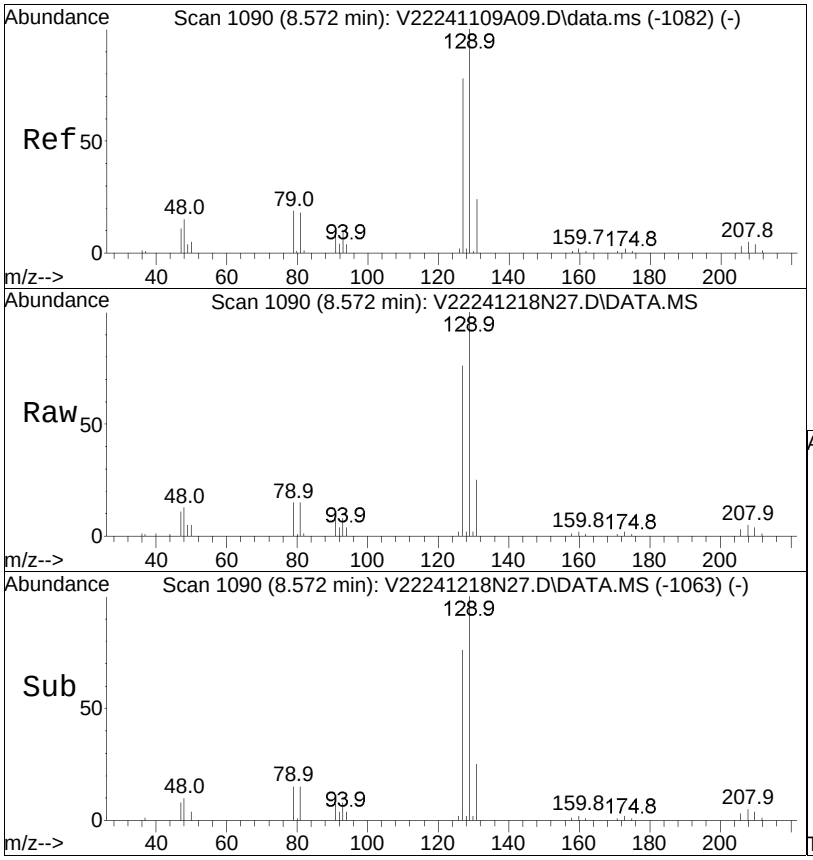


#71
1,1,2-Trichloroethane
Concen: 7.59 ug/L
RT: 8.363 min Scan# 1062
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 83 Resp: 31466

Ion	Ratio	Lower	Upper
83	100		
97	122.0	103.4	143.4
85	67.1	47.9	87.9

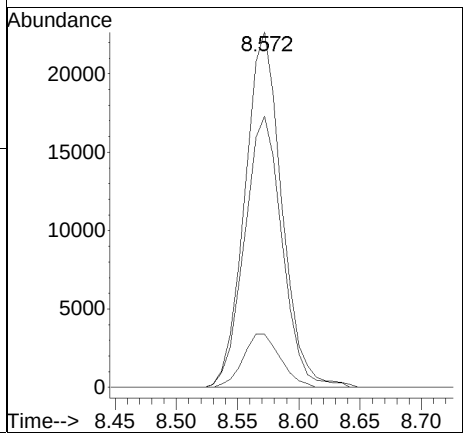


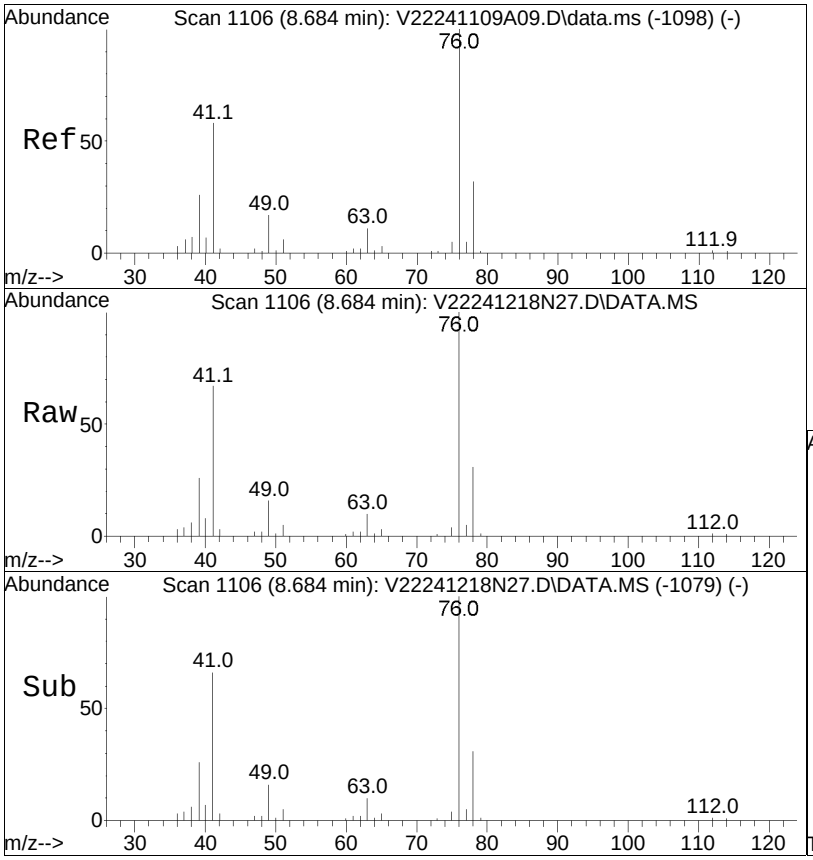


#72
Chlorodibromomethane
Concen: 6.96 ug/L
RT: 8.572 min Scan# 1090
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:129 Resp: 47517

Ion	Ratio	Lower	Upper
129	100		
81	15.2	0.0	33.8
127	78.0	57.1	97.1

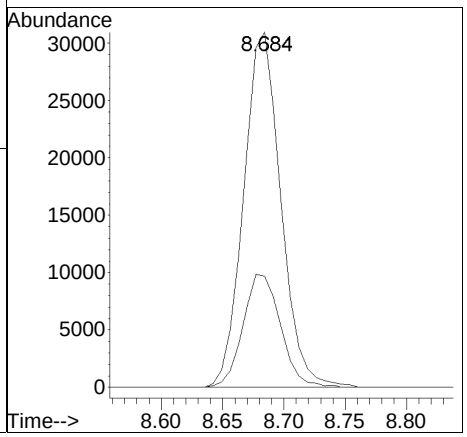


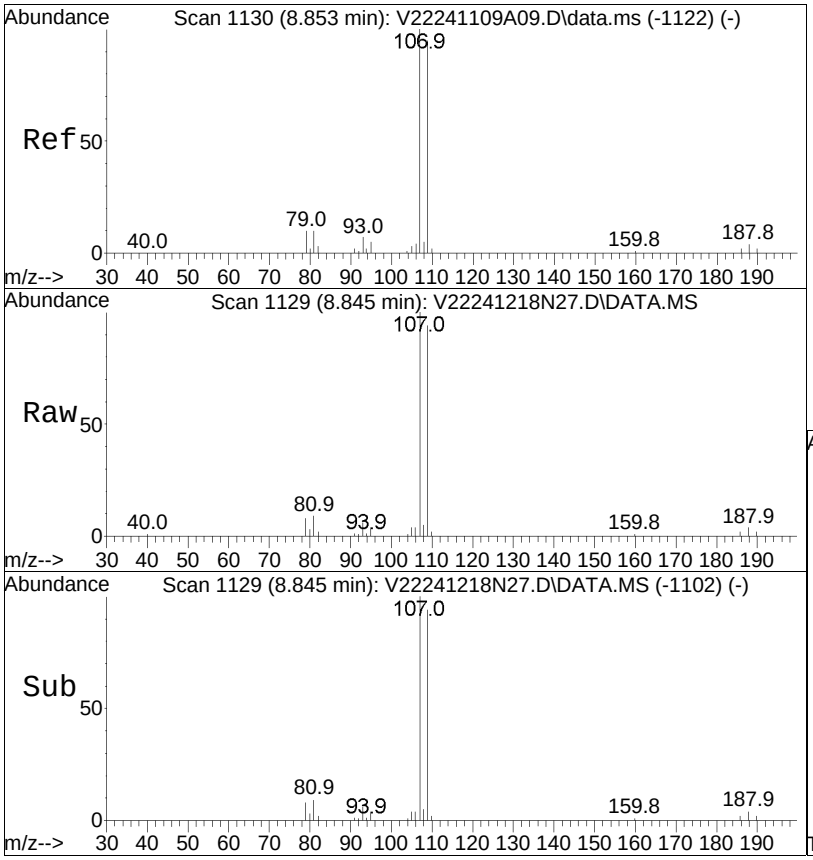


#73
1,3-Dichloropropane
Concen: 7.66 ug/L
RT: 8.684 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 76 Resp: 65384

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

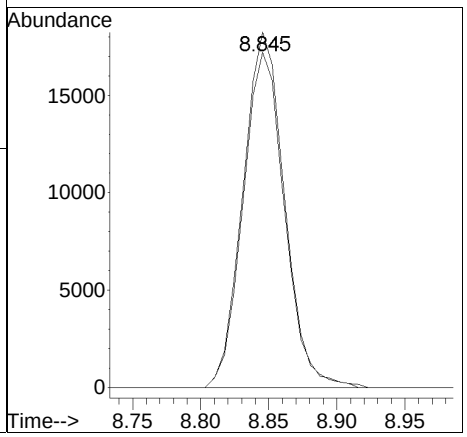


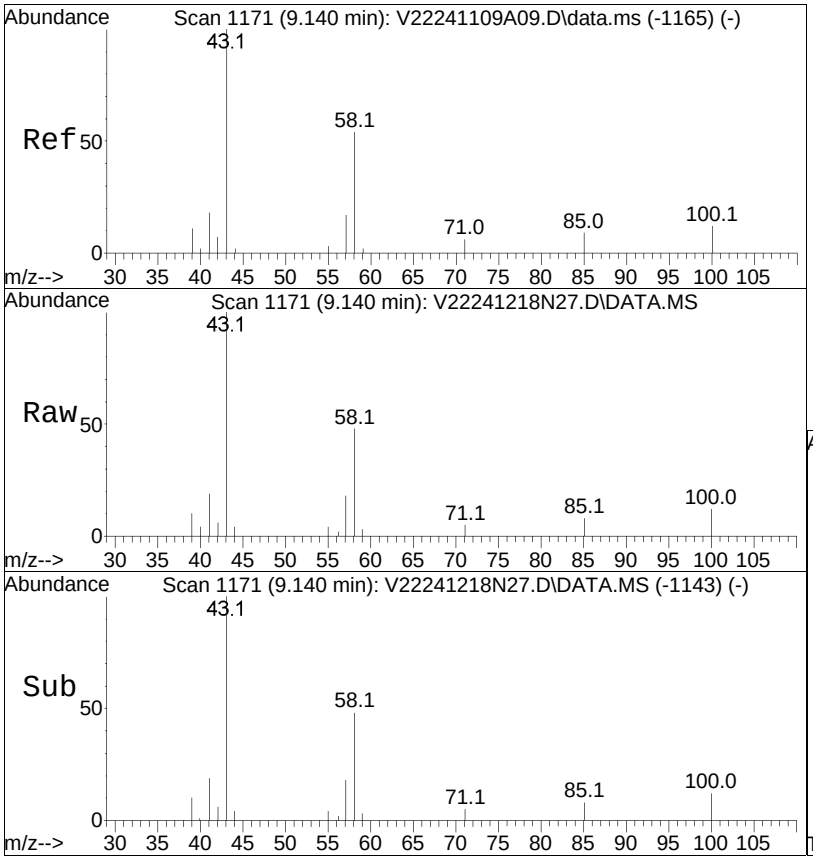


#74
1,2-Dibromoethane
Concen: 7.57 ug/L
RT: 8.845 min Scan# 1129
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:107 Resp: 38605

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.1	112.7

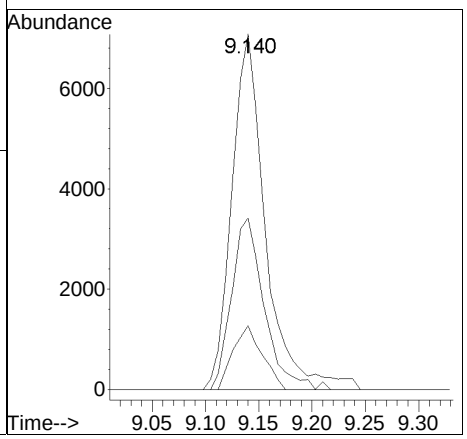


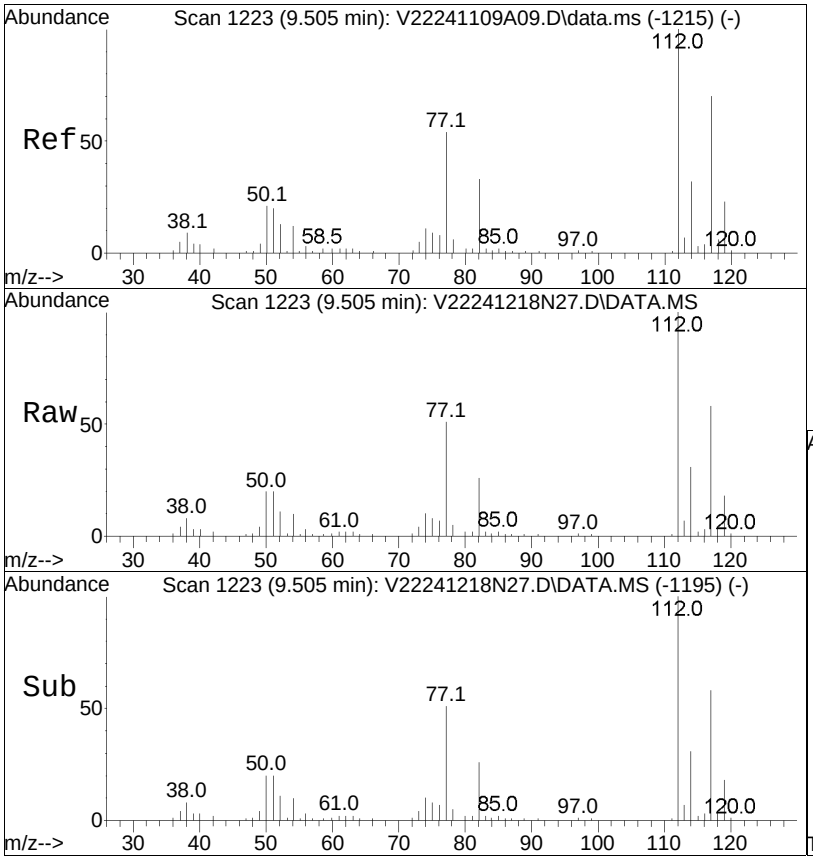


#76
2-Hexanone
Concen: 7.82 ug/L
RT: 9.140 min Scan# 1171
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 43 Resp: 15530

Ion	Ratio	Lower	Upper
43	100		
58	46.9	47.6	71.4#
57	15.5	16.6	24.8#

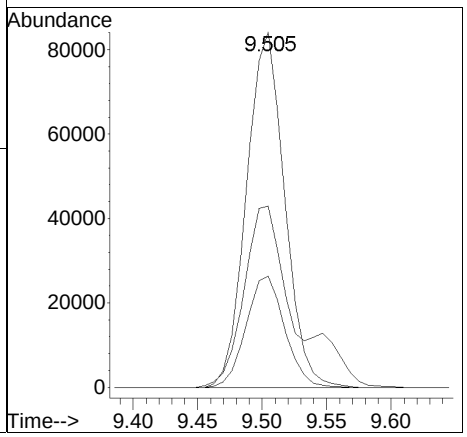


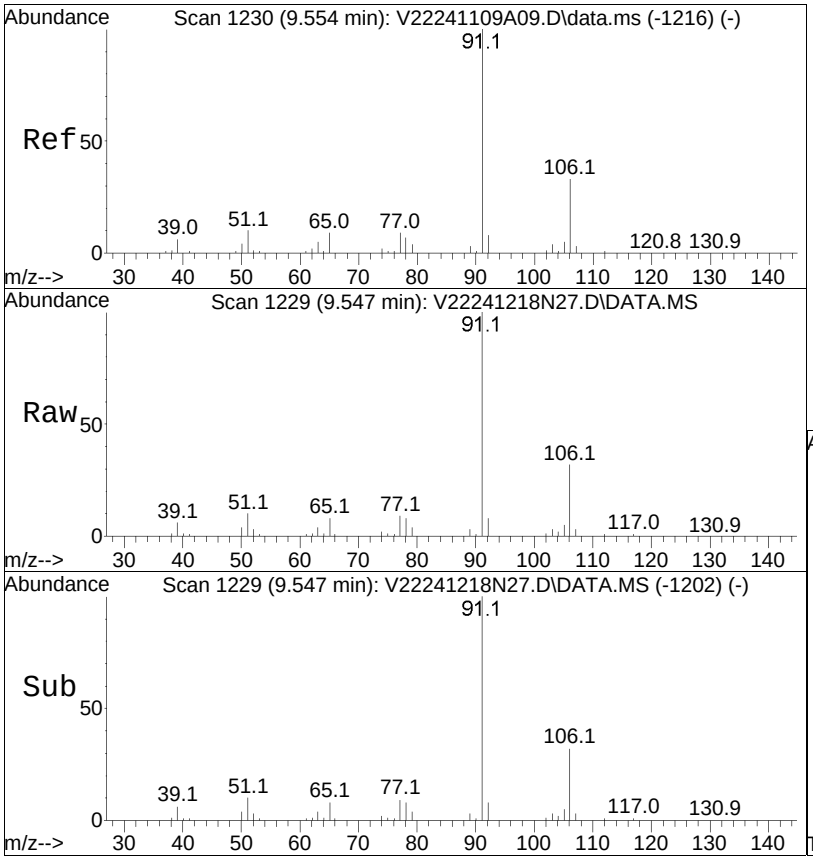


#77
Chlorobenzene
Concen: 8.42 ug/L
RT: 9.505 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:112 Resp: 172764

Ion	Ratio	Lower	Upper
112	100		
77	55.5	55.4	83.0
114	31.8	26.2	39.4

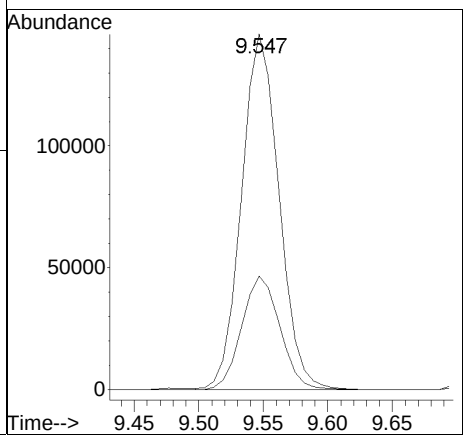


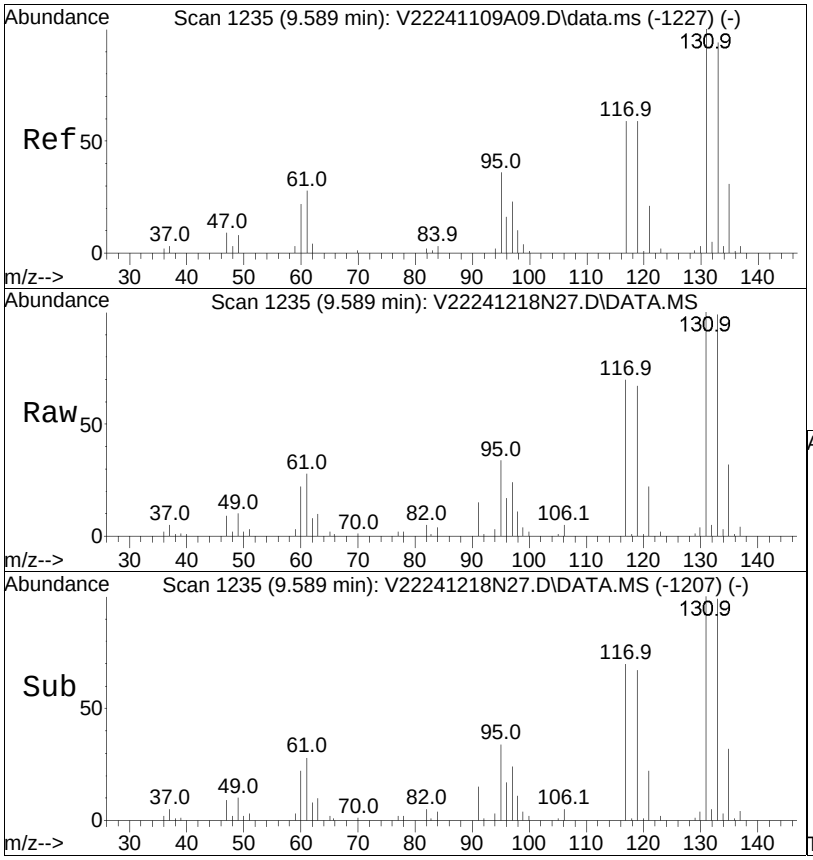


#78
Ethylbenzene
Concen: 8.34 ug/L
RT: 9.547 min Scan# 1229
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 91 Resp: 294349

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.6

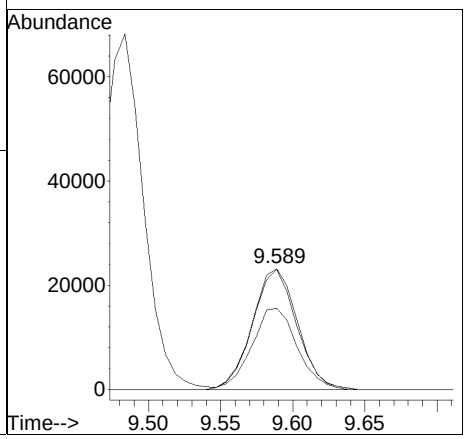


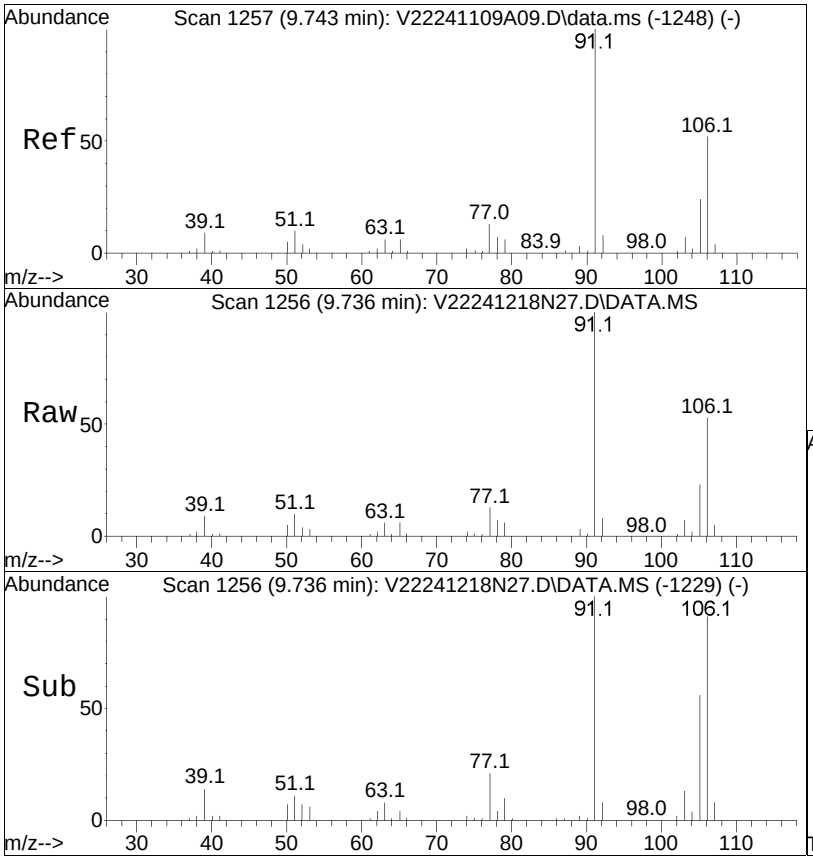


#79
1,1,1,2-Tetrachloroethane
Concen: 7.31 ug/L
RT: 9.589 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:131 Resp: 50767

Ion	Ratio	Lower	Upper
131	100		
133	96.4	75.3	115.3
119	66.8	49.3	89.3

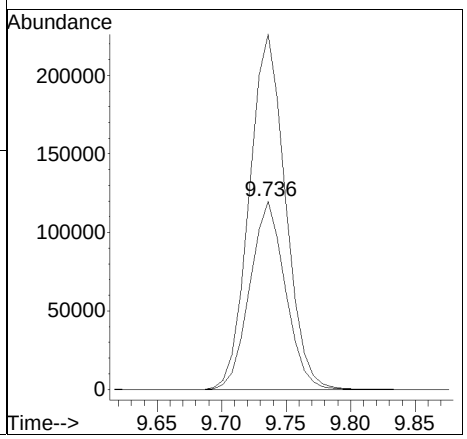


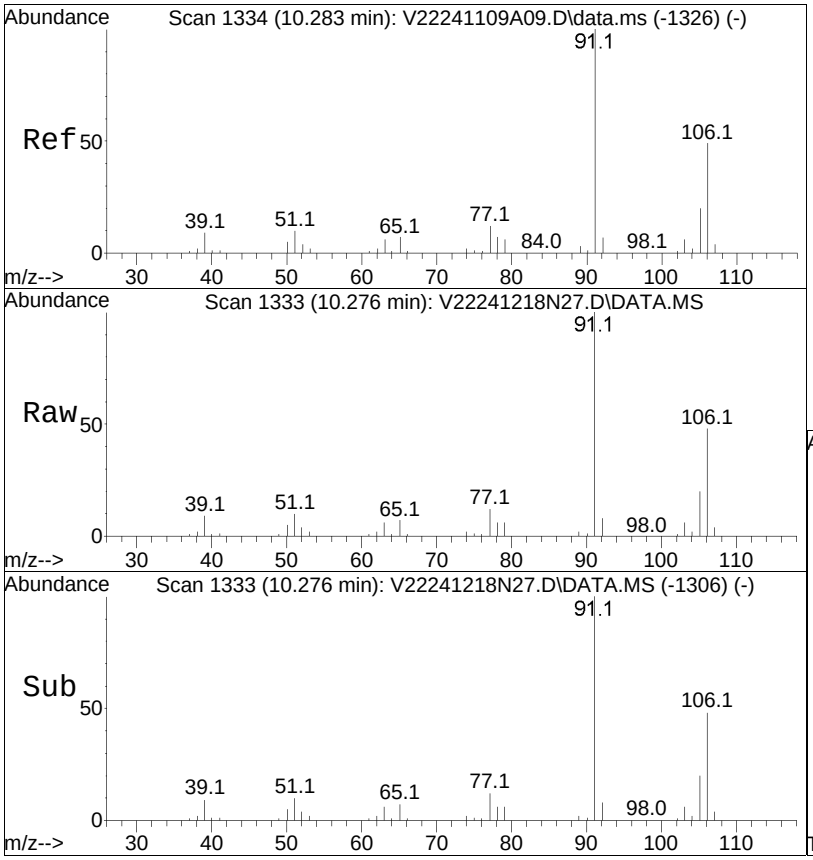


#80
p/m Xylene
Concen: 15.70 ug/L
RT: 9.736 min Scan# 1256
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:106 Resp: 228705

Ion	Ratio	Lower	Upper
106	100		
91	192.8	156.0	234.0

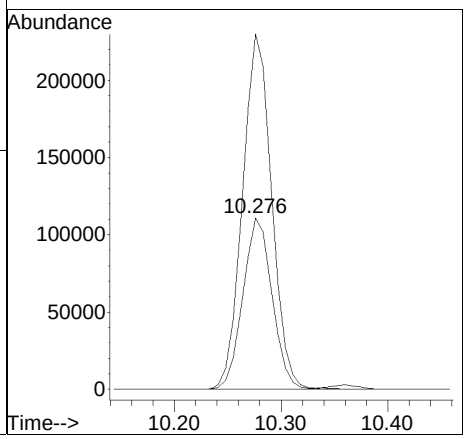


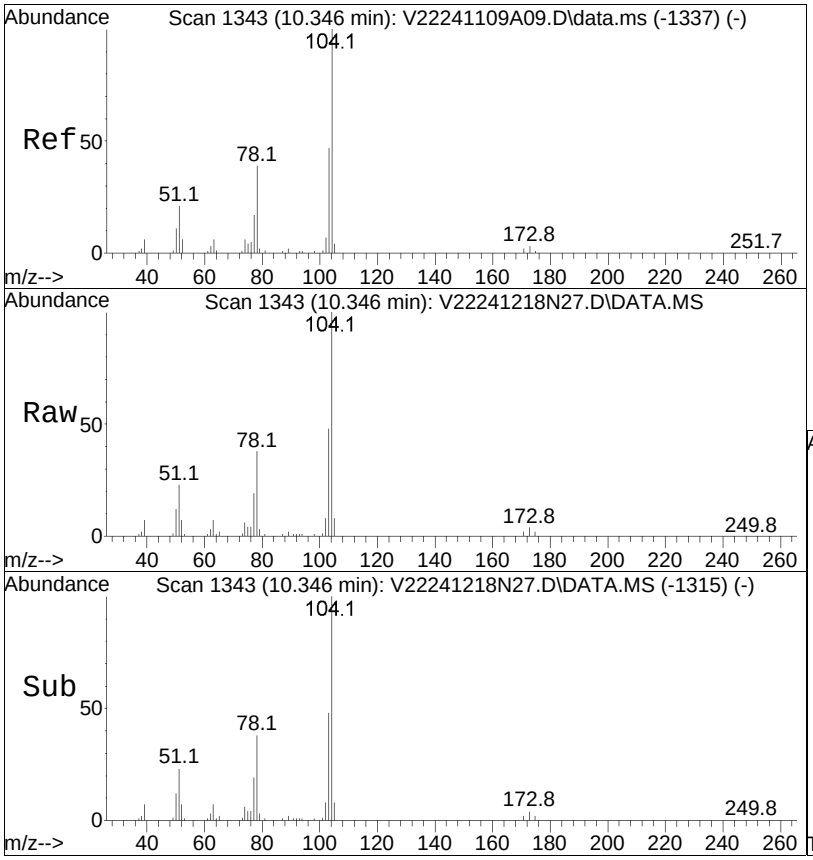


#81
o Xylene
Concen: 15.27 ug/L
RT: 10.276 min Scan# 1333
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:106 Resp: 212114

Ion	Ratio	Lower	Upper
106	100		
91	205.7	164.0	246.0

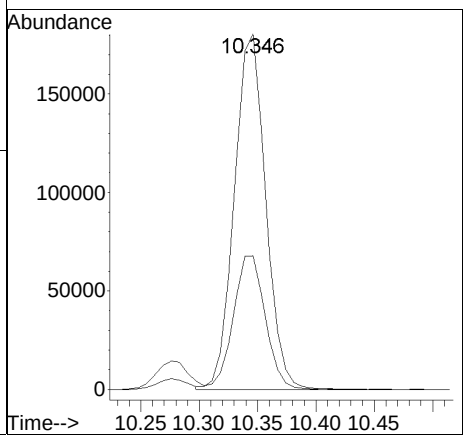


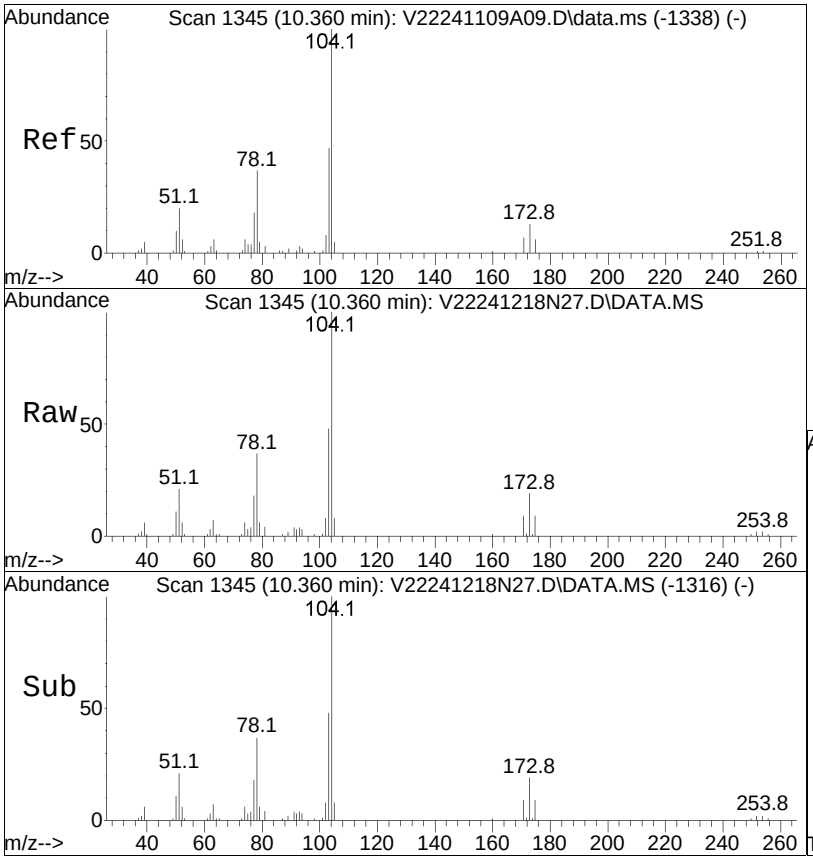


#82
Styrene
Concen: 15.09 ug/L
RT: 10.346 min Scan# 1343
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:104 Resp: 336843

Ion	Ratio	Lower	Upper
104	100		
78	38.3	32.1	48.1

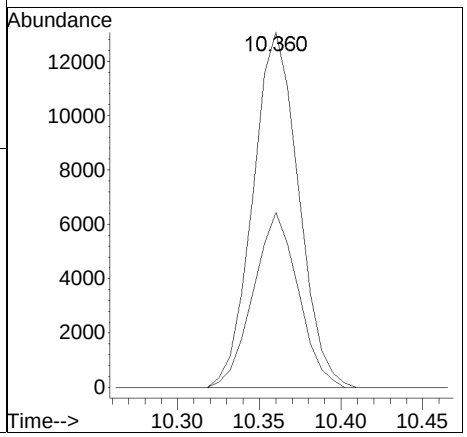


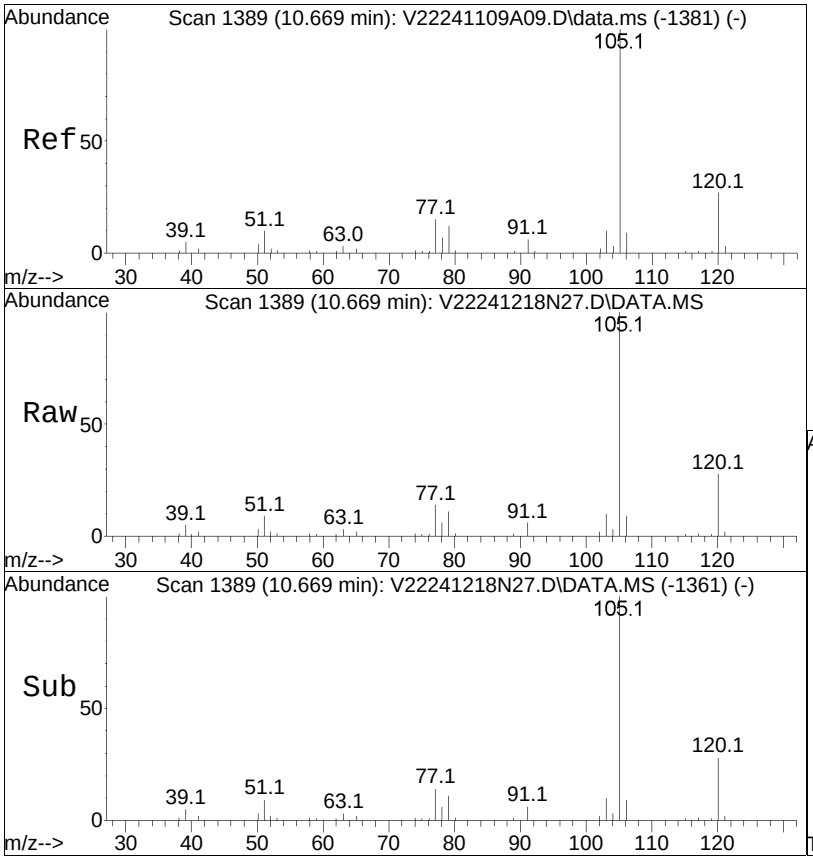


#84
Bromoform
Concen: 6.99 ug/L
RT: 10.360 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:173 Resp: 25412

Ion	Ratio	Lower	Upper
173	100		
175	48.3	29.3	69.3

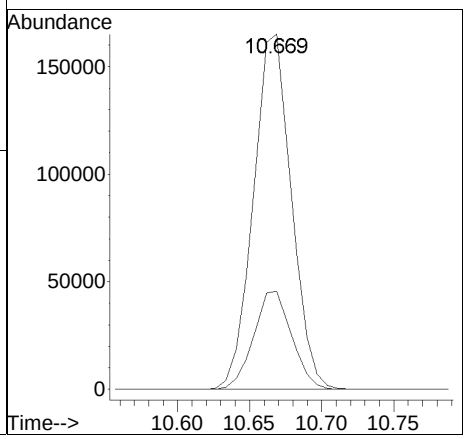


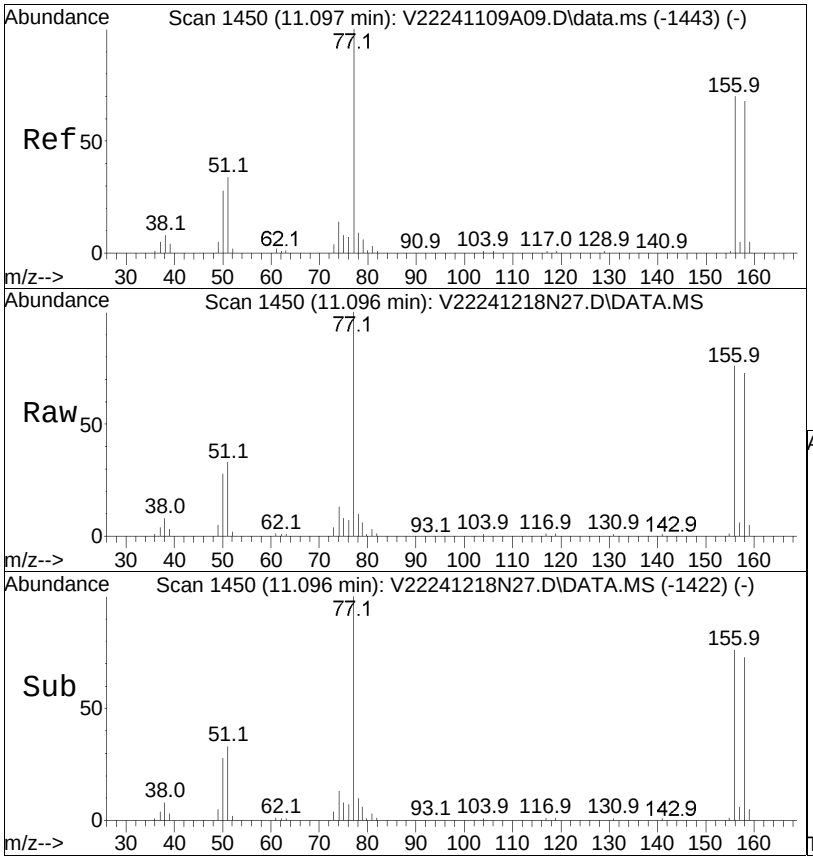


#86
Isopropylbenzene
Concen: 8.70 ug/L
RT: 10.669 min Scan# 1389
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:105 Resp: 302672

Ion	Ratio	Lower	Upper
105	100		
120	27.7	7.7	47.7

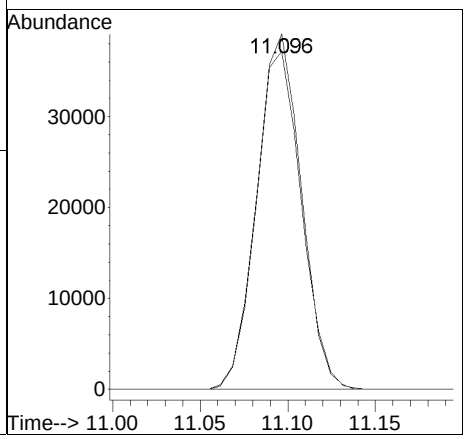


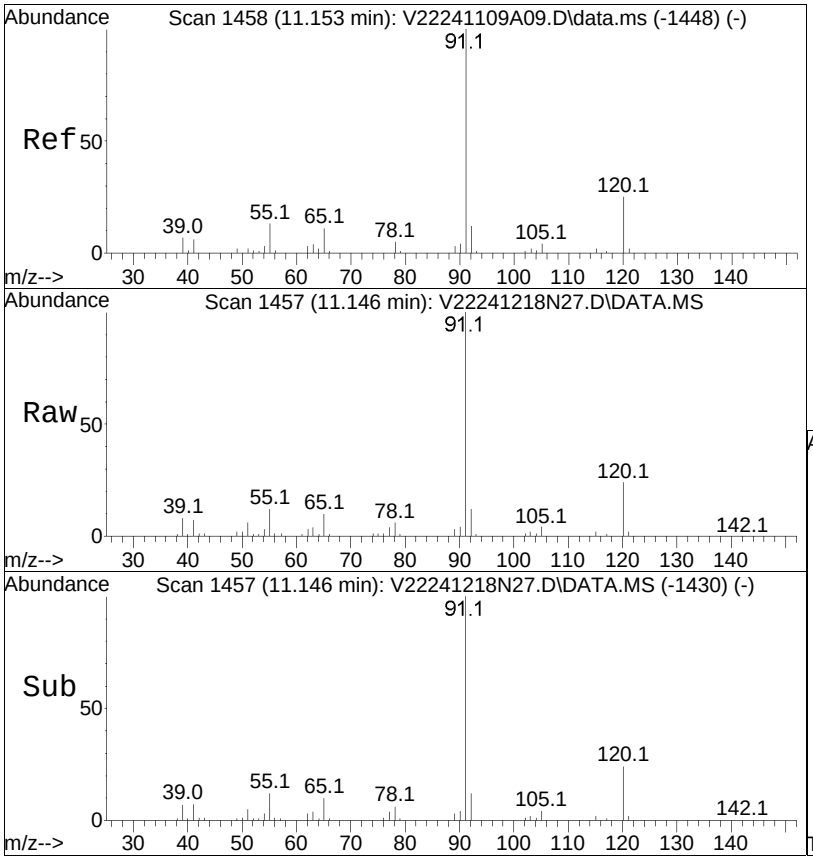


#88
Bromobenzene
Concen: 8.46 ug/L
RT: 11.096 min Scan# 1450
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:156 Resp: 69081

Ion	Ratio	Lower	Upper
156	100		
158	96.7	77.9	116.9

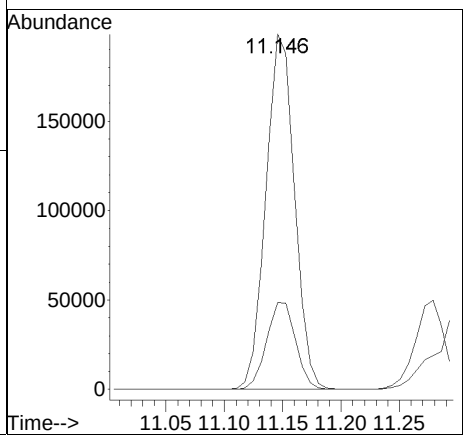


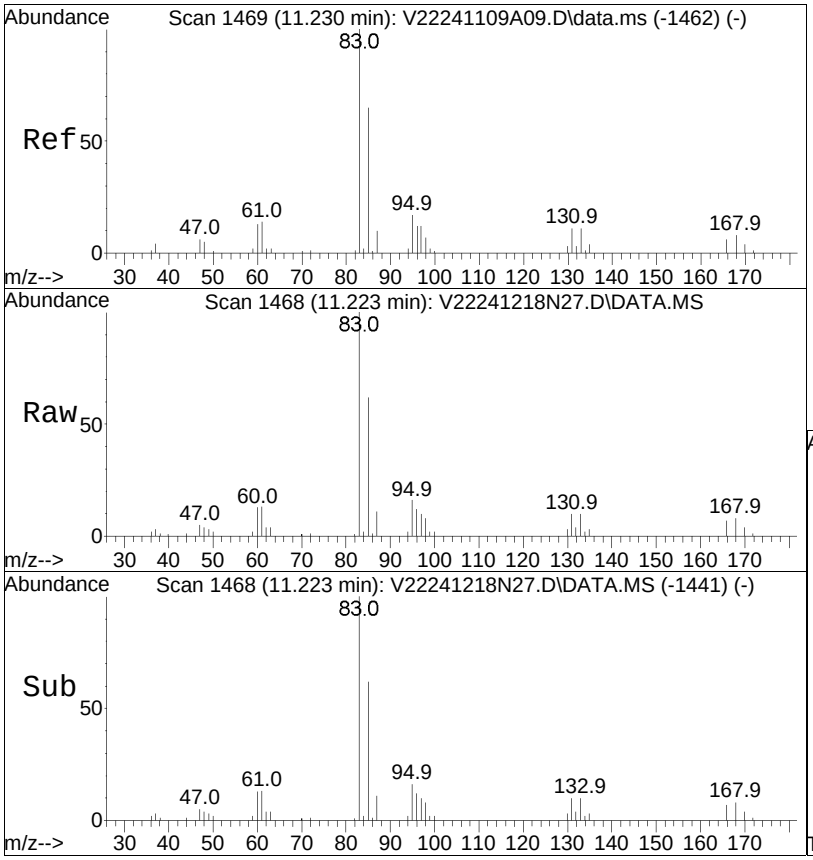


#89
n-Propylbenzene
Concen: 8.38 ug/L
RT: 11.146 min Scan# 1457
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 91 Resp: 339334

Ion	Ratio	Lower	Upper
91	100		
120	24.8	19.5	29.3

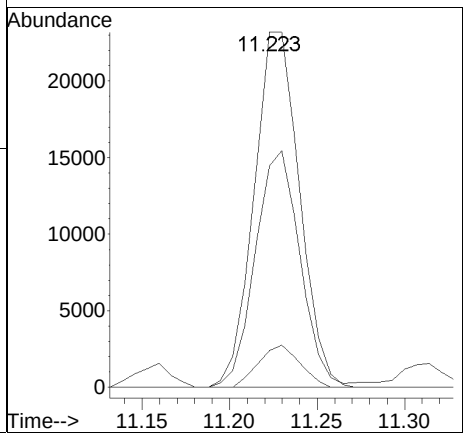


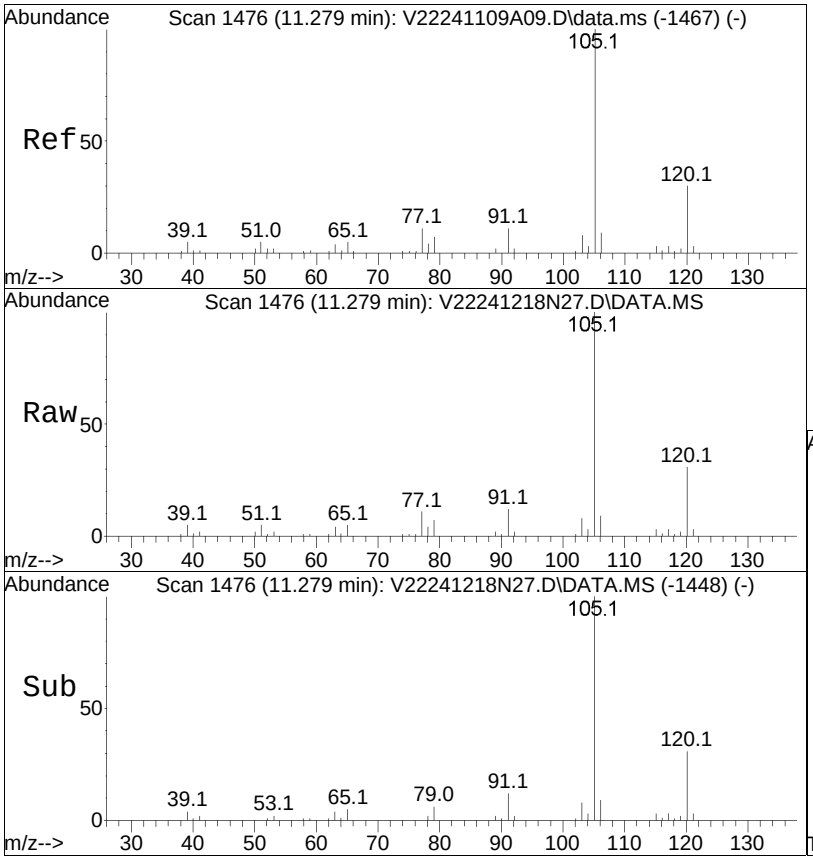


#91
1,1,2,2-Tetrachloroethane
Concen: 7.76 ug/L
RT: 11.223 min Scan# 1468
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 83 Resp: 42027

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	30.8
85	65.7	45.4	85.4

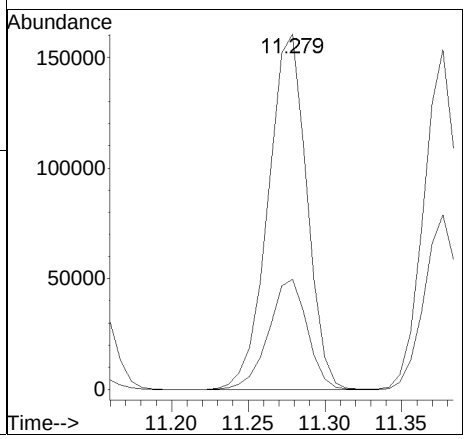


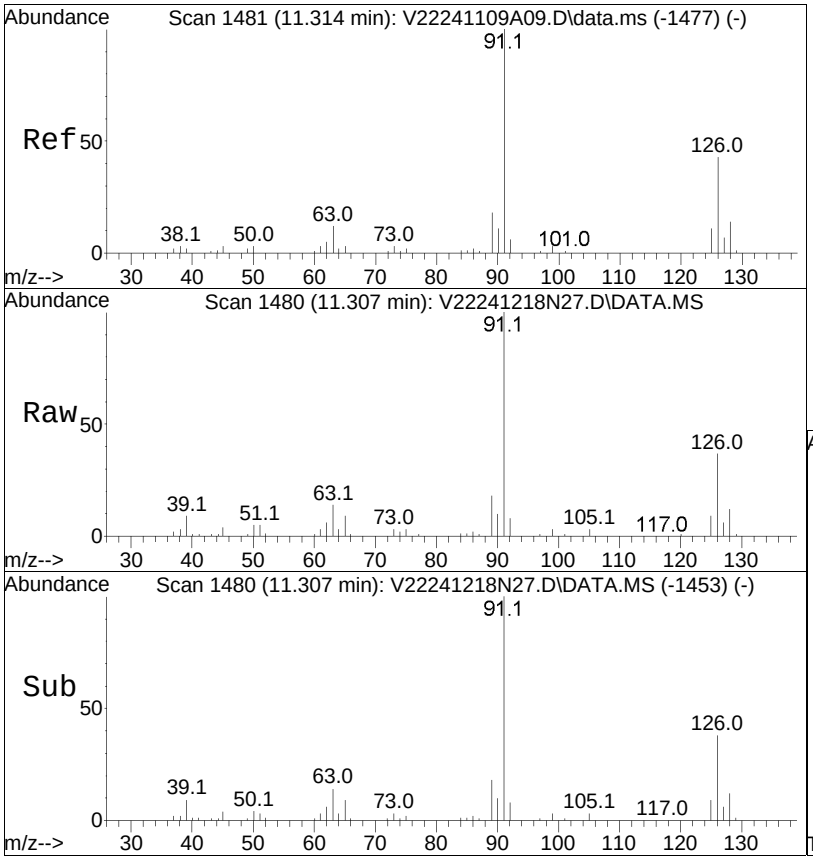


#92
4-Ethyltoluene
Concen: 8.29 ug/L
RT: 11.279 min Scan# 1476
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:105 Resp: 281766

Ion	Ratio	Lower	Upper
105	100		
120	30.9	19.8	41.0

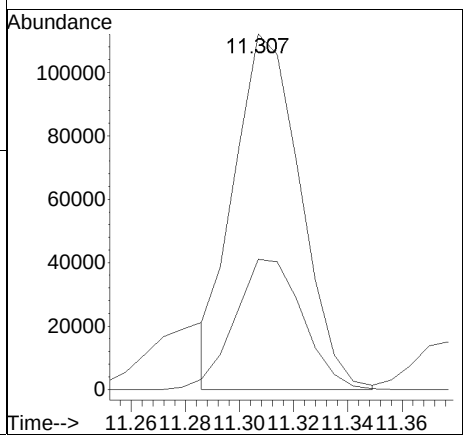


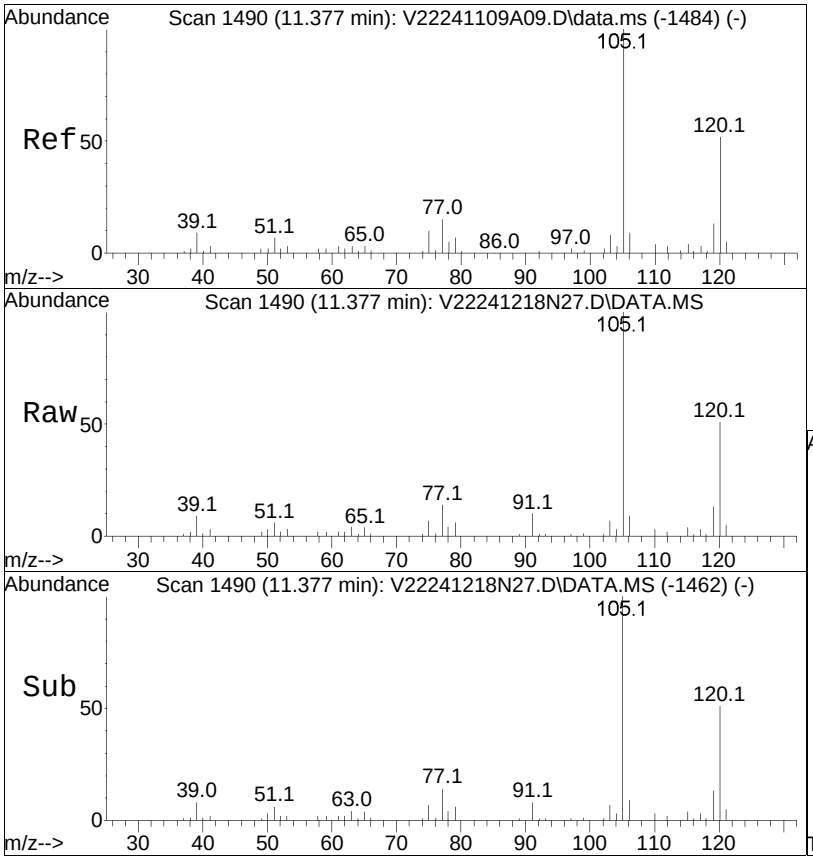


#93
2-Chlorotoluene
Concen: 8.31 ug/L M6
RT: 11.307 min Scan# 1480
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 91 Resp: 191334

Ion	Ratio	Lower	Upper
91	100		
126	37.4	24.6	37.0#

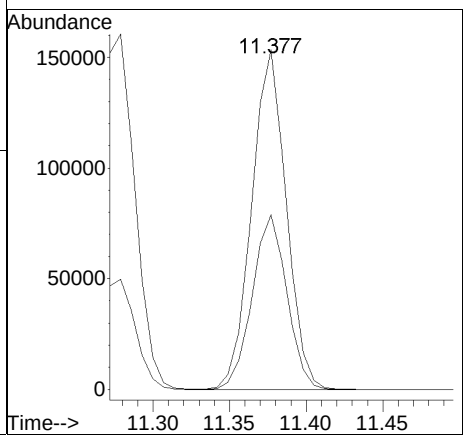


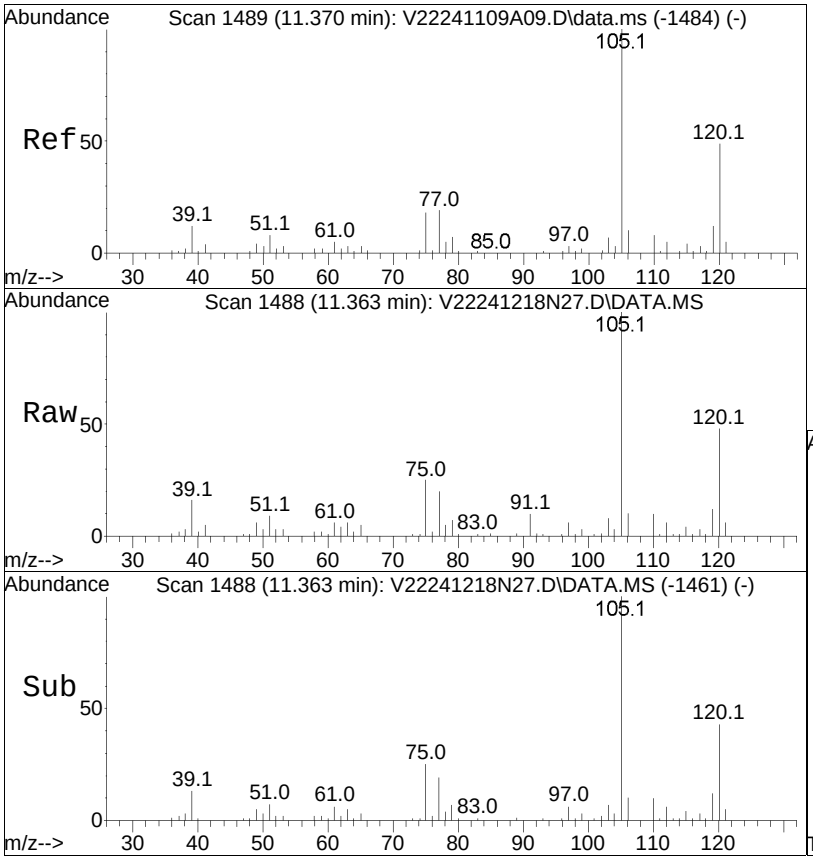


#94
1,3,5-Trimethylbenzene
Concen: 8.13 ug/L
RT: 11.377 min Scan# 1490
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:105 Resp: 240442

Ion	Ratio	Lower	Upper
105	100		
120	51.5	40.9	61.3

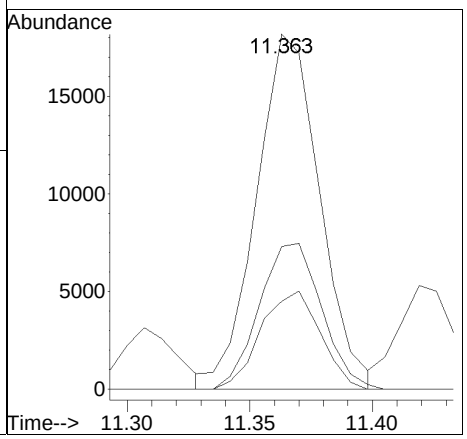


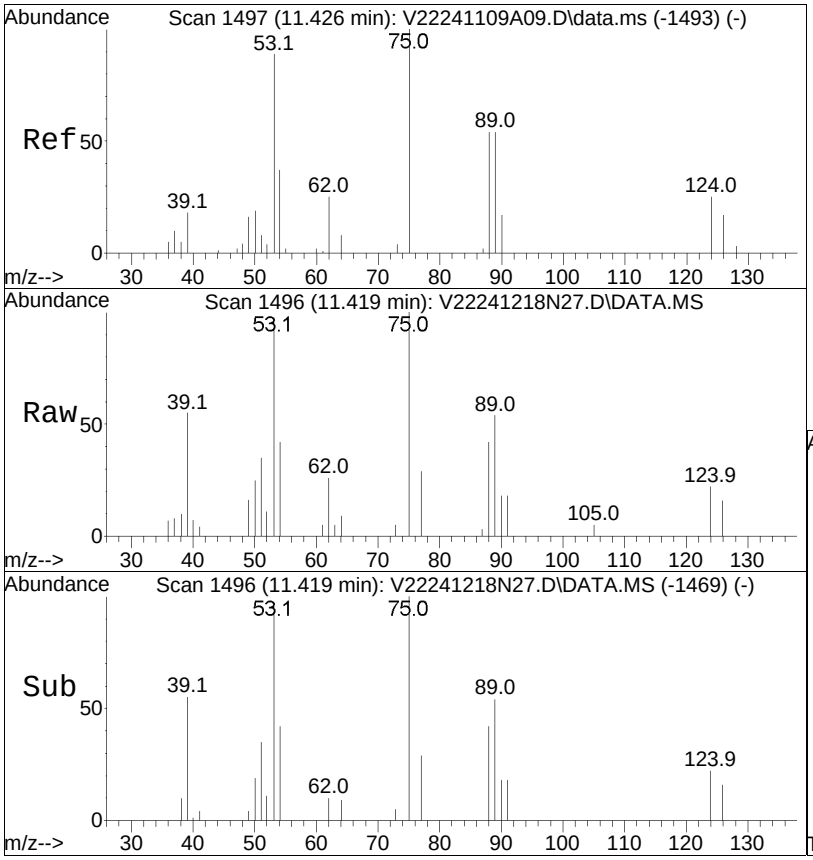


#95
1,2,3-Trichloropropane
Concen: 7.54 ug/L
RT: 11.363 min Scan# 1488
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 75 Resp: 32717

Ion	Ratio	Lower	Upper
75	100		
110	40.4	26.3	54.7
112	26.0	16.8	35.0

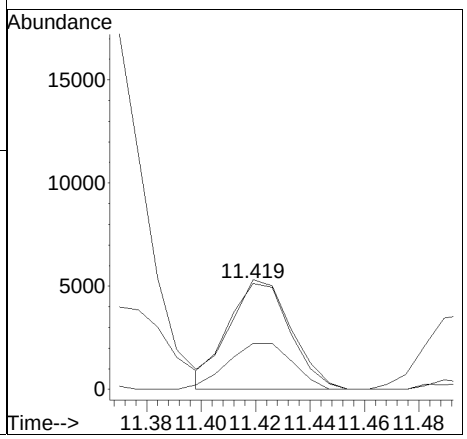


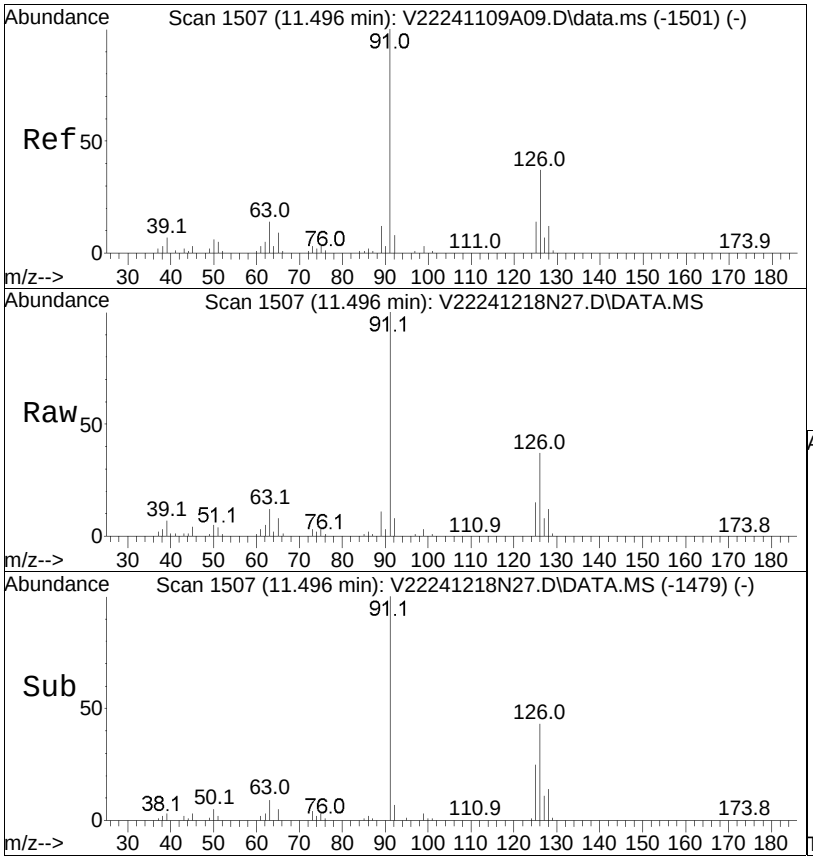


#96
trans-1,4-Dichloro-2-butene
Concen: 6.02 ug/L
RT: 11.419 min Scan# 1496
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 53 Resp: 8207

Ion	Ratio	Lower	Upper
53	100		
88	45.6	46.3	69.5#
75	102.3	109.0	163.4#

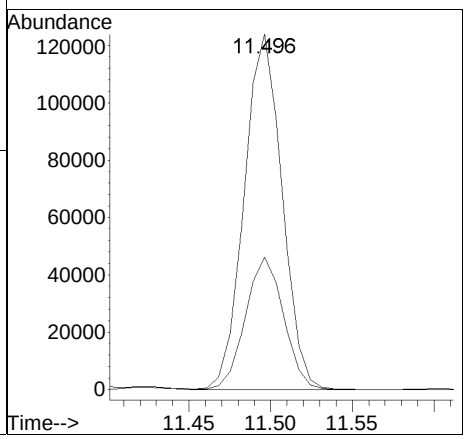


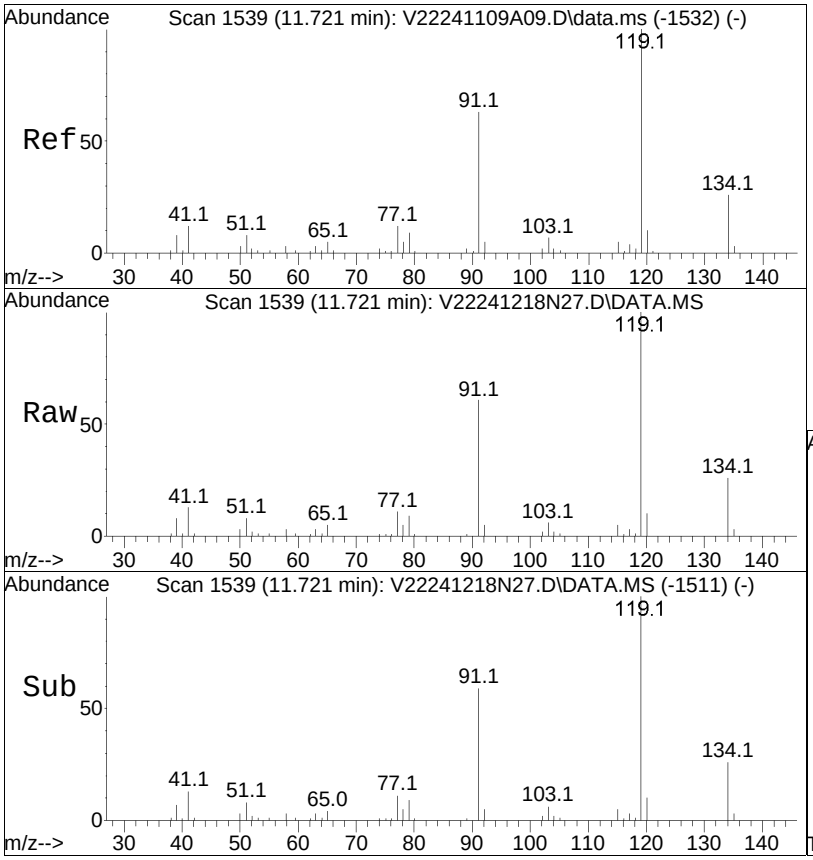


#97
4-Chlorotoluene
Concen: 8.32 ug/L
RT: 11.496 min Scan# 1507
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 91 Resp: 199564

Ion	Ratio	Lower	Upper
91	100		
126	37.4	28.5	42.7

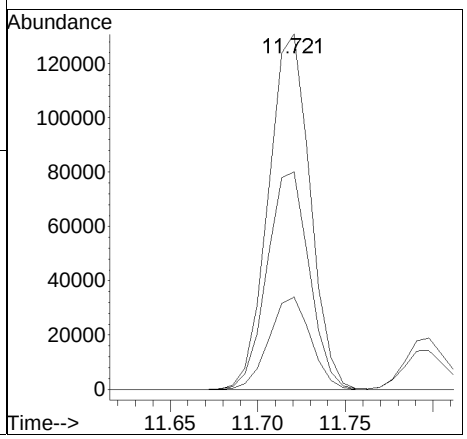


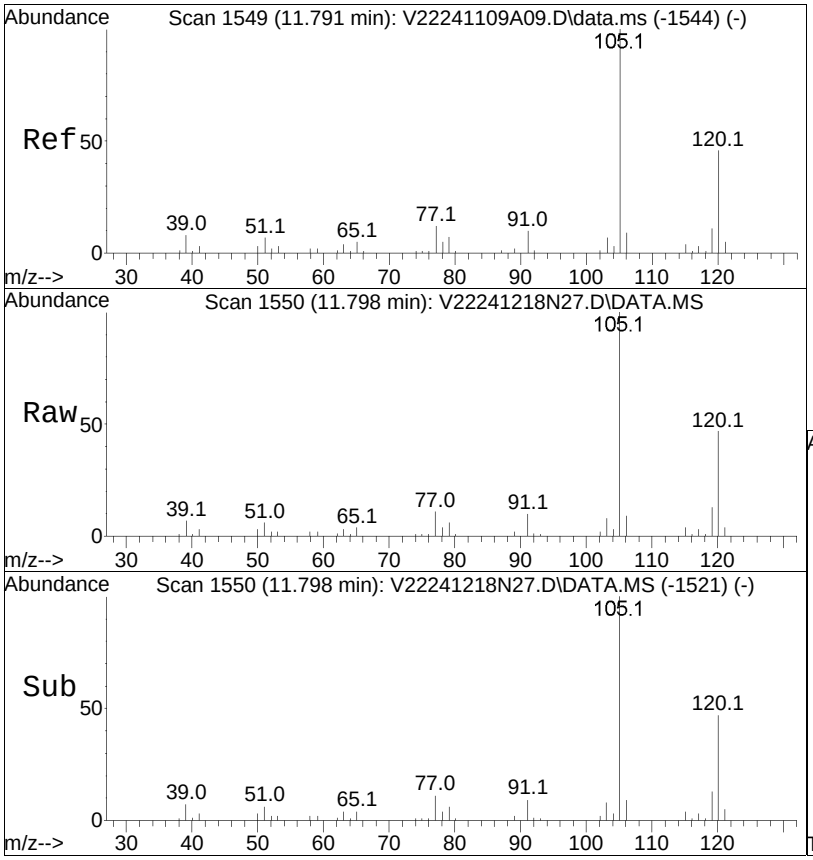


#98
tert-Butylbenzene
Concen: 8.51 ug/L
RT: 11.721 min Scan# 1539
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:119 Resp: 216623

Ion	Ratio	Lower	Upper
119	100		
91	62.0	50.2	75.4
134	25.9	20.8	31.2

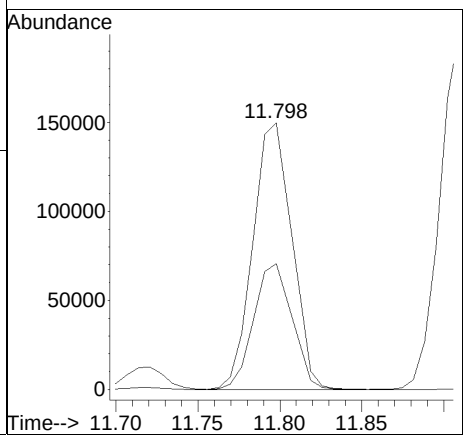


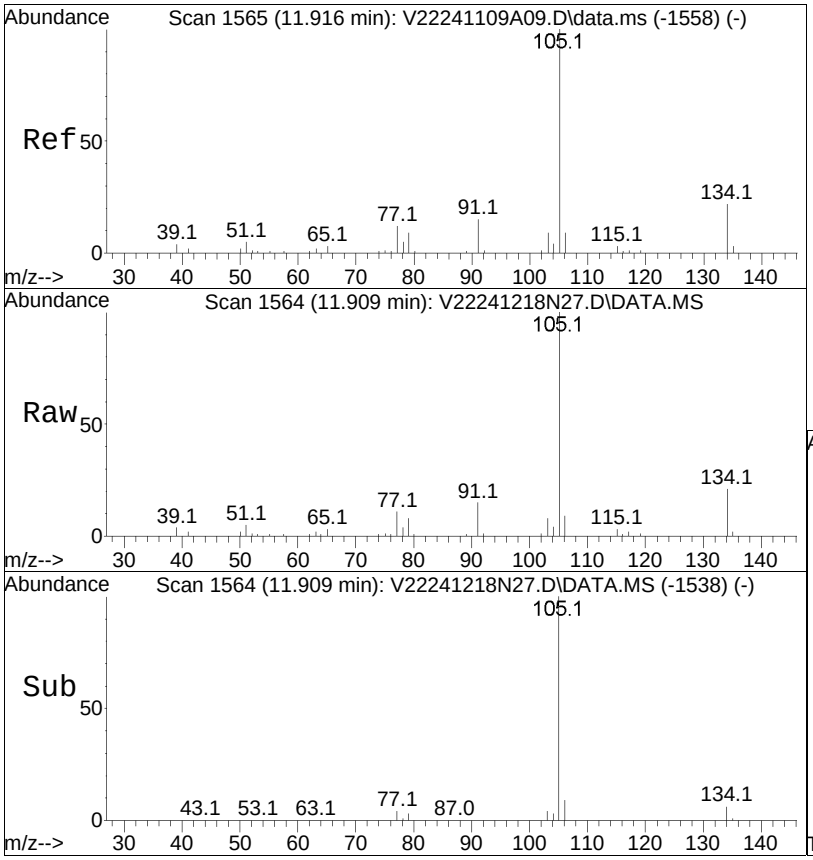


#101
1,2,4-Trimethylbenzene
Concen: 12.38 ug/L
RT: 11.798 min Scan# 1550
Delta R.T. 0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:105 Resp: 208068

Ion	Ratio	Lower	Upper
105	100		
120	47.3	38.5	57.7

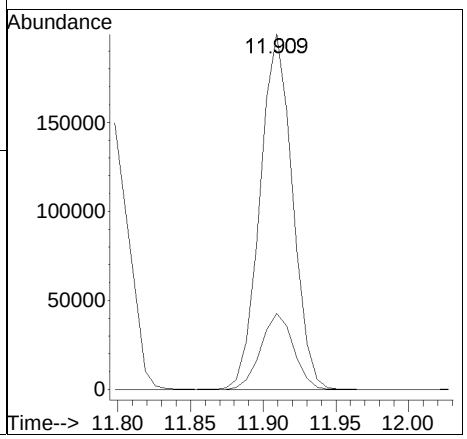


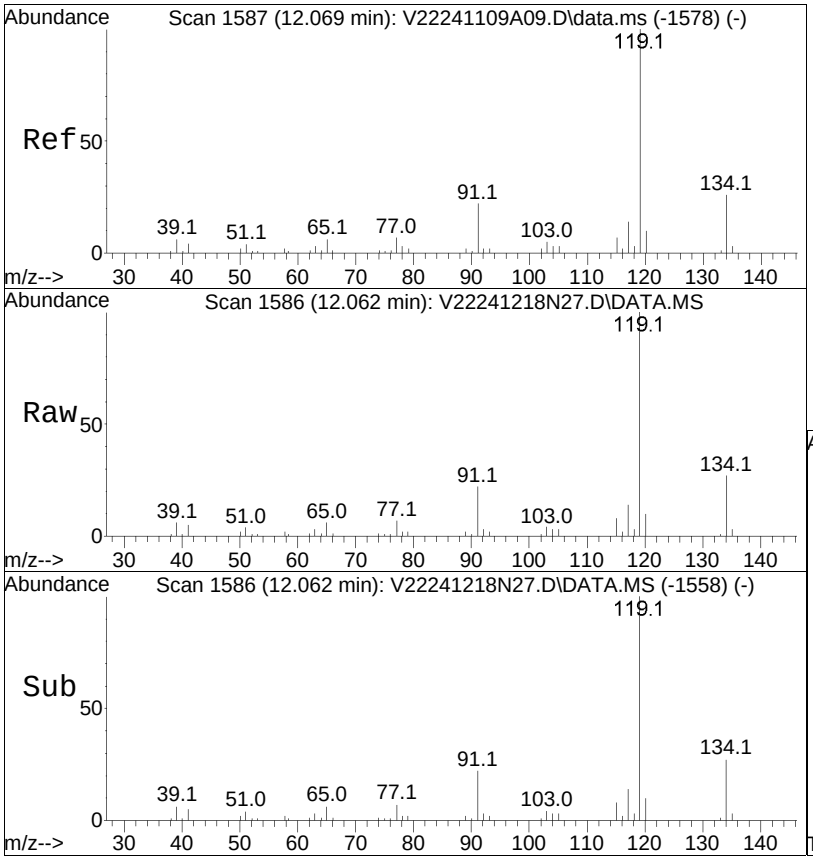


#102
sec-Butylbenzene
Concen: 8.63 ug/L
RT: 11.909 min Scan# 1564
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:105 Resp: 310530

Ion	Ratio	Lower	Upper
105	100		
134	21.4	13.9	28.9

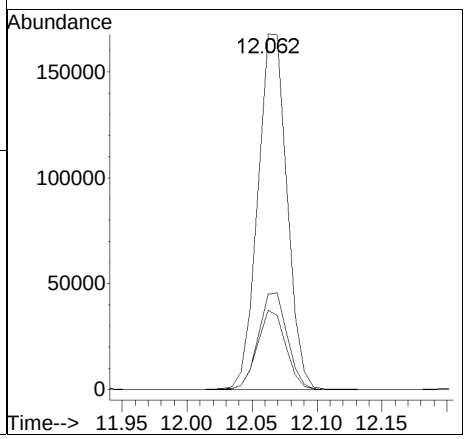


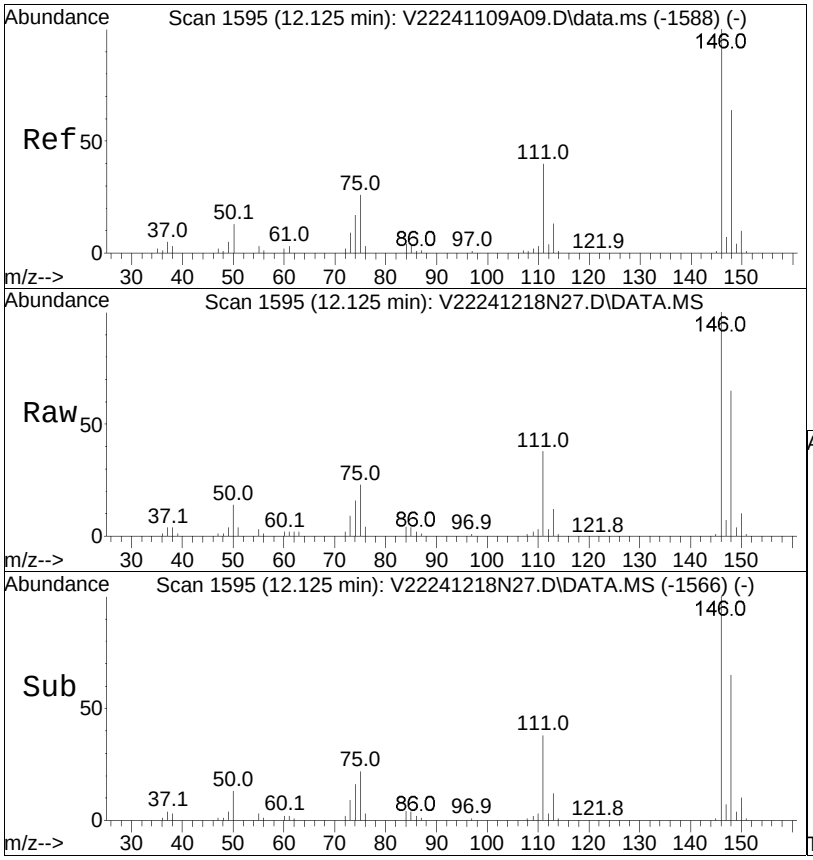


#103
p-Isopropyltoluene
Concen: 8.35 ug/L
RT: 12.062 min Scan# 1586
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:119 Resp: 263048

Ion	Ratio	Lower	Upper
119	100		
134	26.9	17.7	36.7
91	21.7	14.1	29.3

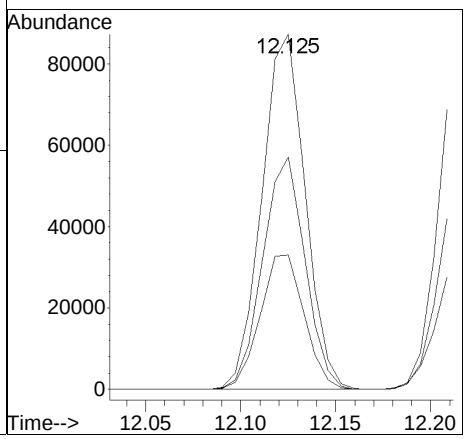


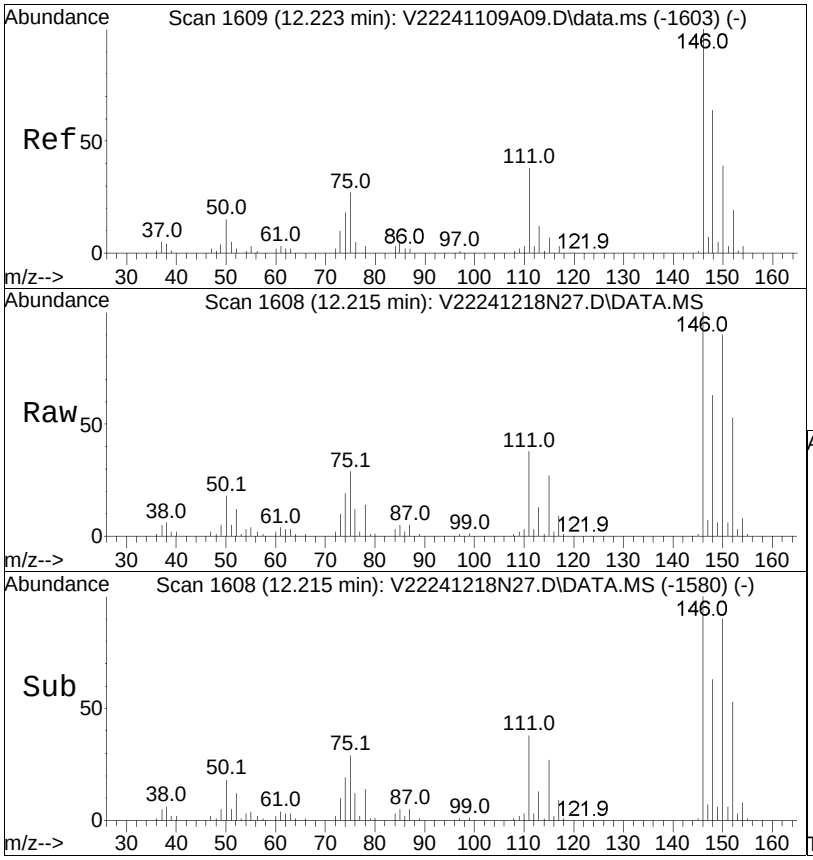


#104
1,3-Dichlorobenzene
Concen: 8.35 ug/L
RT: 12.125 min Scan# 1595
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:146 Resp: 138377

Ion	Ratio	Lower	Upper
146	100		
111	38.7	24.0	49.8
148	64.1	41.8	86.8

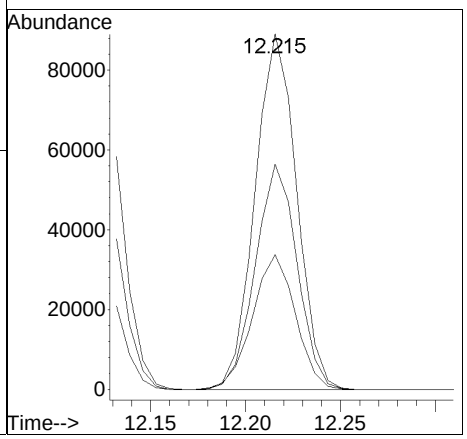


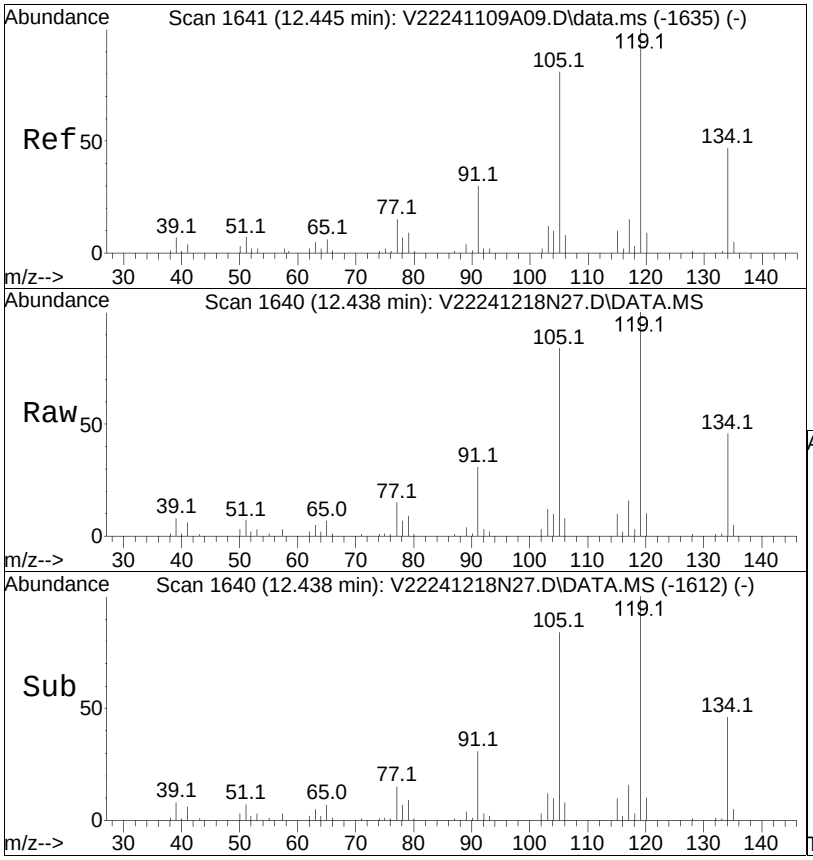


#105
1,4-Dichlorobenzene
Concen: 8.20 ug/L
RT: 12.215 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:146 Resp: 135720

Ion	Ratio	Lower	Upper
146	100		
111	39.2	28.9	43.3
148	63.8	51.4	77.2

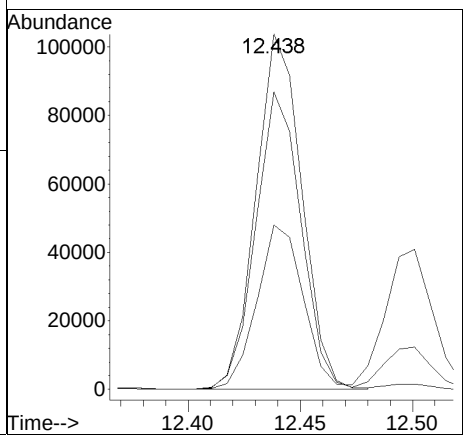


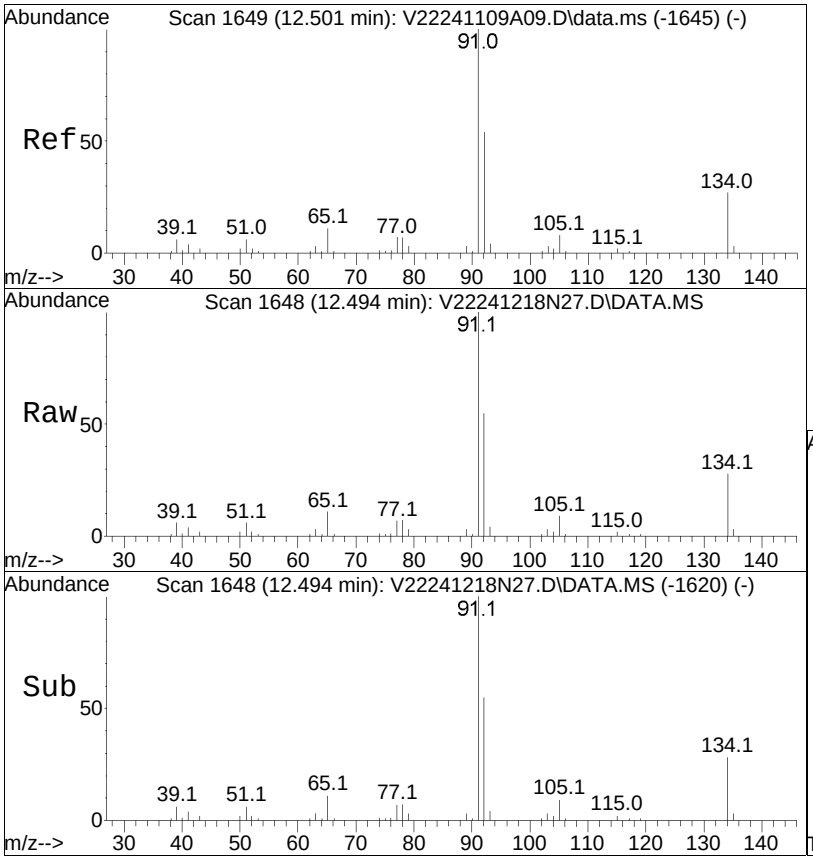


#106
p-Diethylbenzene
Concen: 8.11 ug/L
RT: 12.438 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:119 Resp: 147395

Ion	Ratio	Lower	Upper
119	100		
105	82.9	53.4	110.8
134	47.0	30.9	64.1

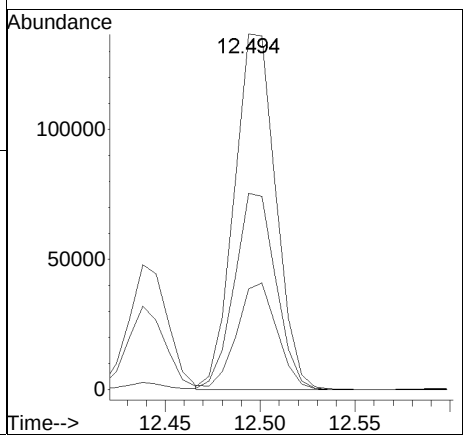


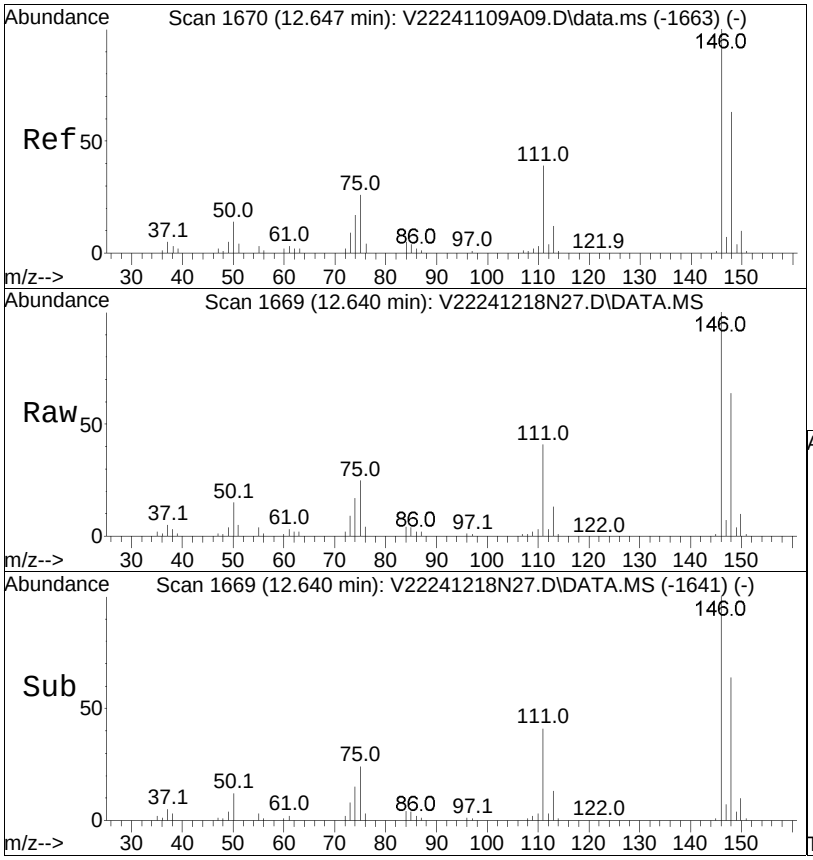


#107
n-Butylbenzene
Concen: 8.32 ug/L
RT: 12.494 min Scan# 1648
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion: 91 Resp: 208359

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.6	66.8
134	28.7	22.9	34.3

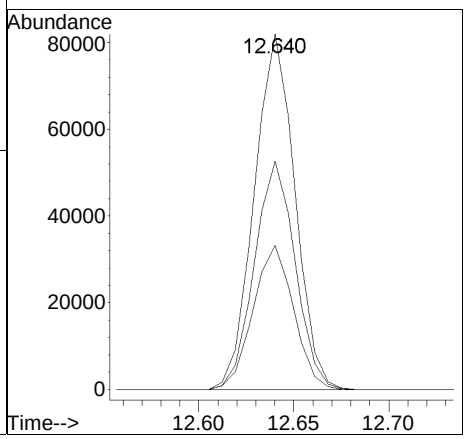


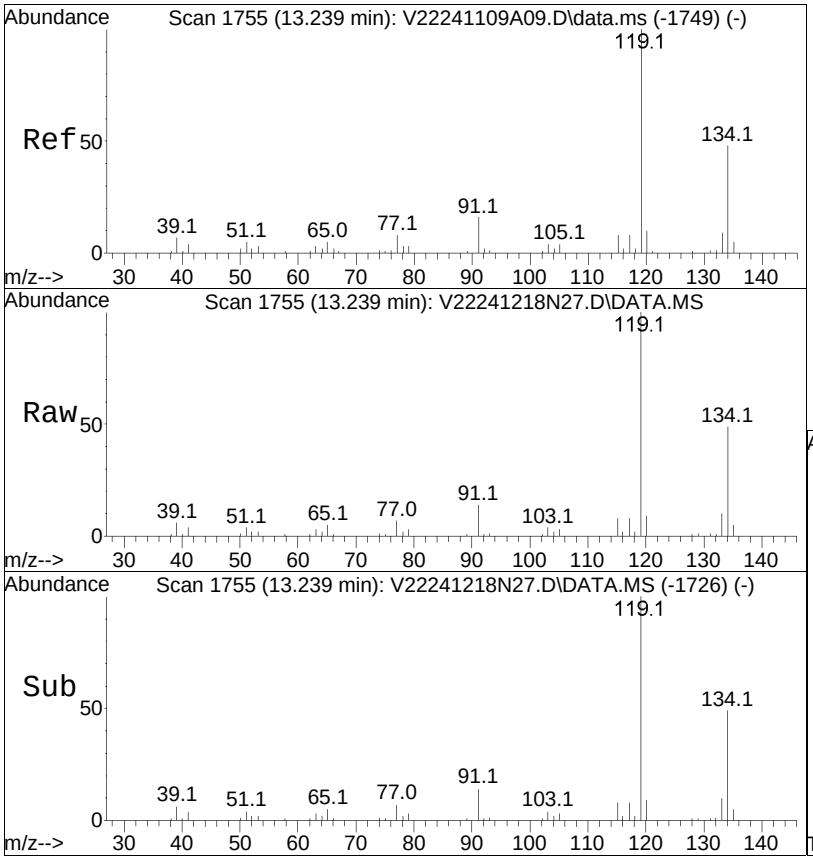


#108
1,2-Dichlorobenzene
Concen: 8.24 ug/L
RT: 12.640 min Scan# 1669
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:146 Resp: 121810

Ion	Ratio	Lower	Upper
146	100		
111	40.4	24.8	51.6
148	64.4	42.2	87.6

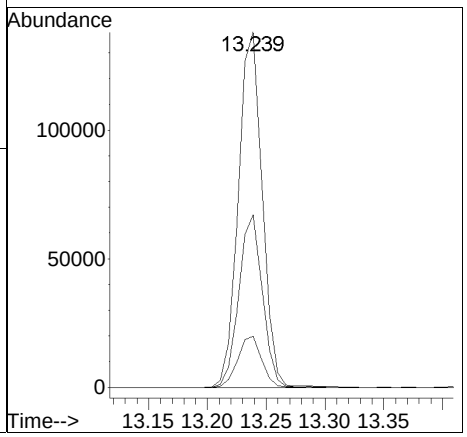


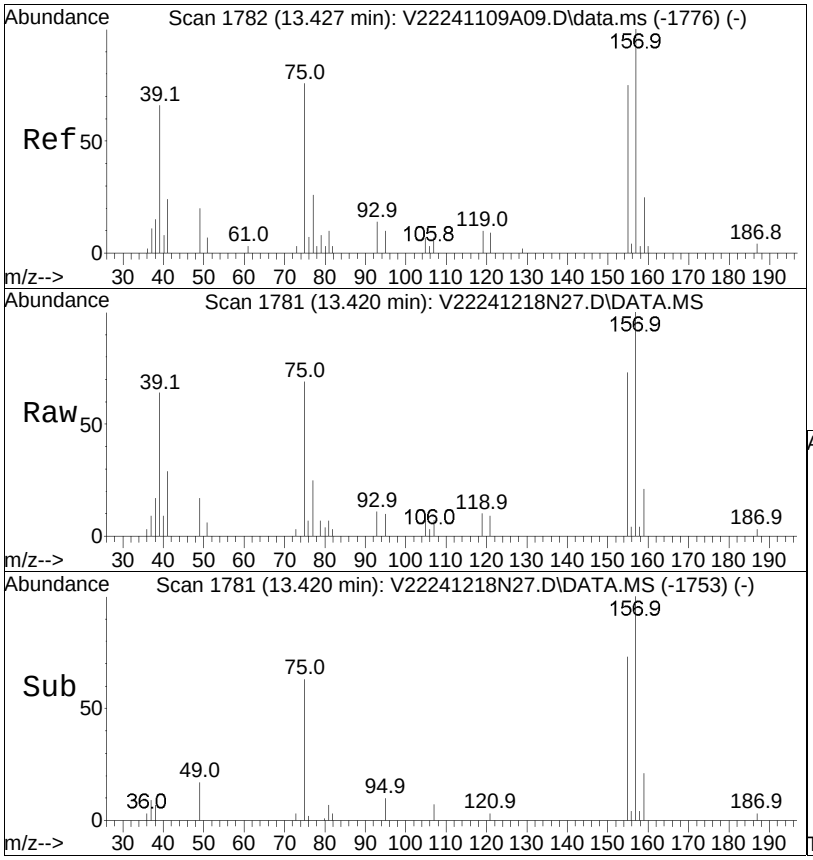


#109
1,2,4,5-Tetramethylbenzene
Concen: 7.87 ug/L
RT: 13.239 min Scan# 1755
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:119 Resp: 195653

Ion	Ratio	Lower	Upper
119	100		
134	47.9	31.9	66.1
91	14.4	9.8	20.3

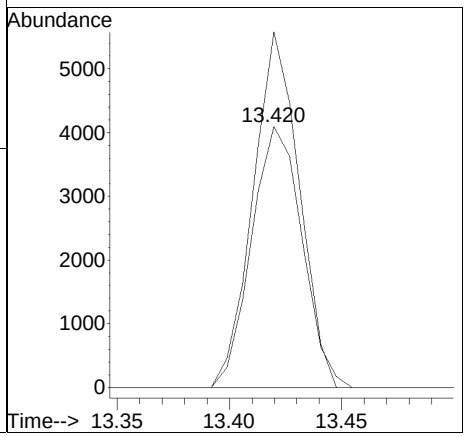


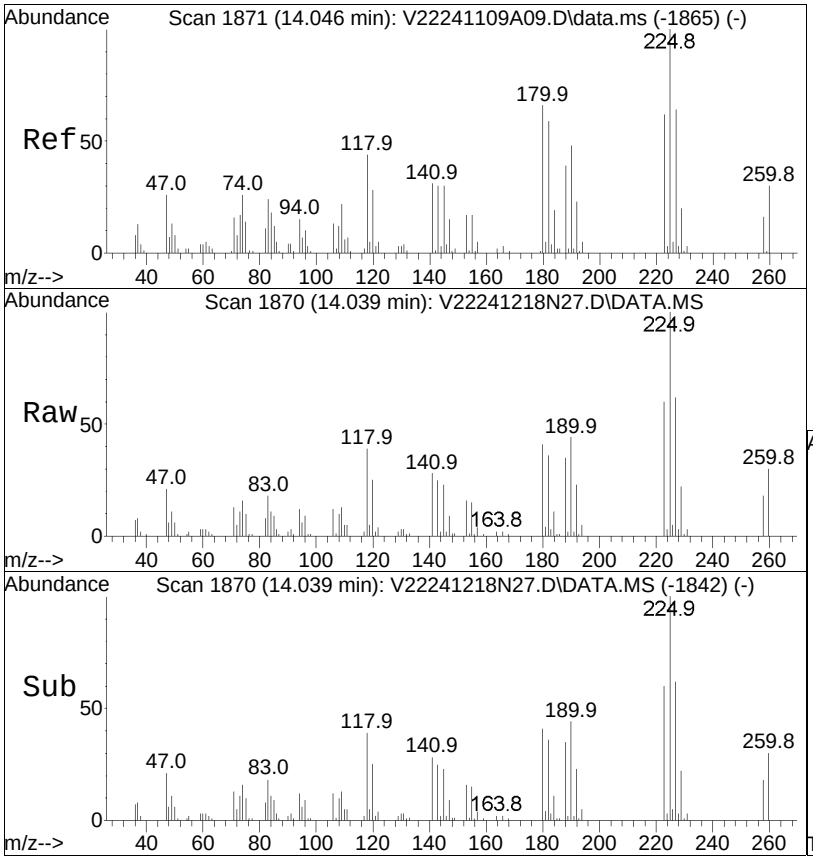


#110
1,2-Dibromo-3-chloropropane
Concen: 7.59 ug/L
RT: 13.420 min Scan# 1781
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:155 Resp: 6406

Ion	Ratio	Lower	Upper
155	100		
157	124.2	102.3	153.5

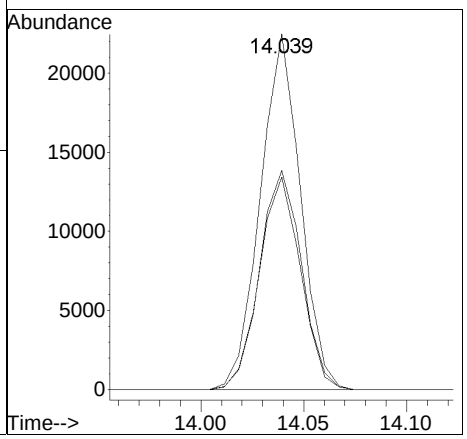


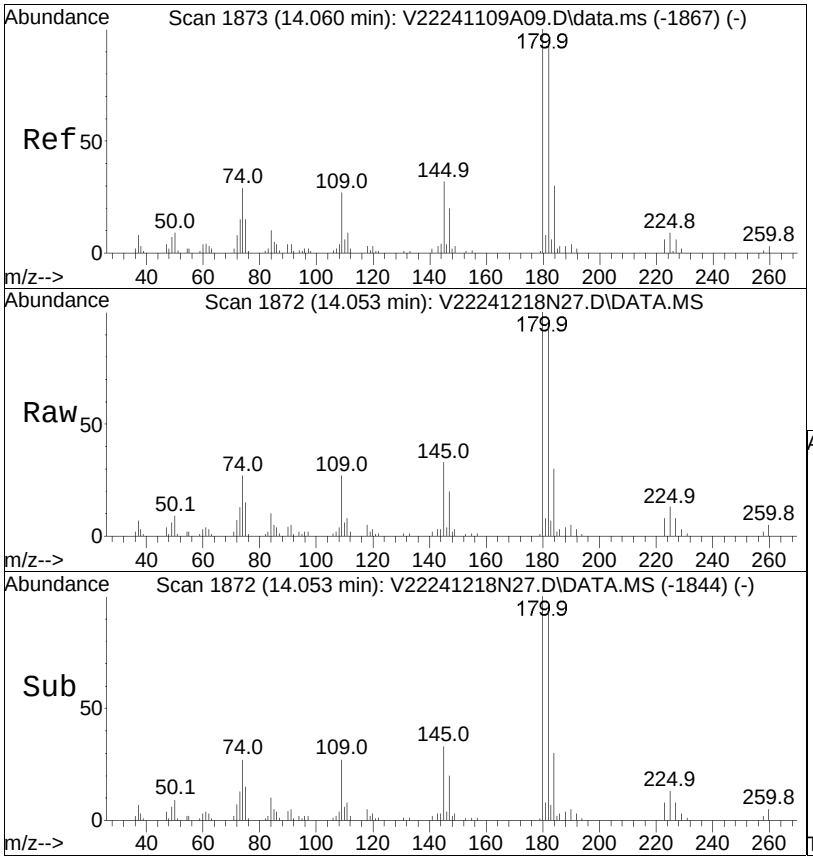


#112
Hexachlorobutadiene
Concen: 9.26 ug/L
RT: 14.039 min Scan# 1870
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:225 Resp: 30493

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.8	74.8
227	64.3	52.2	78.4

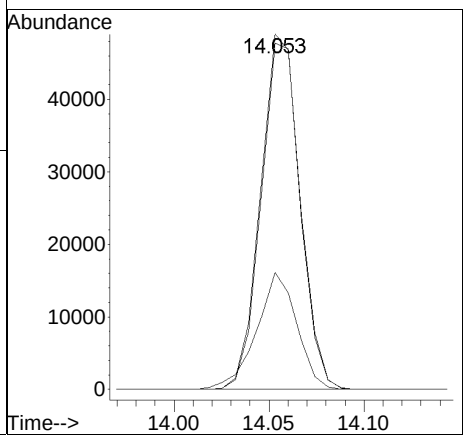


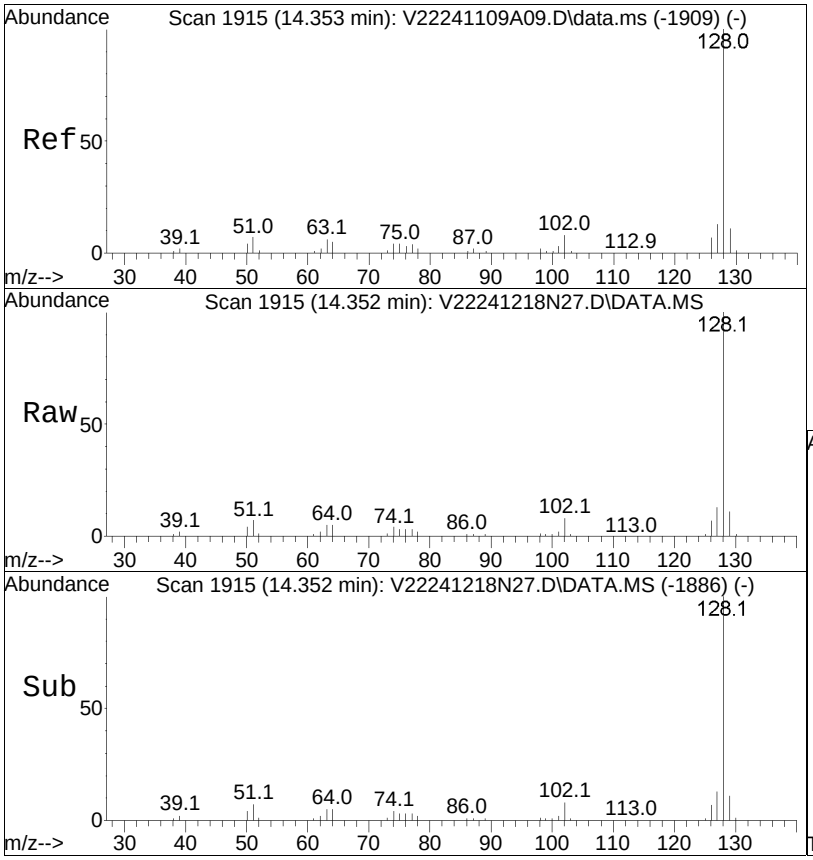


#113
1,2,4-Trichlorobenzene
Concen: 8.18 ug/L
RT: 14.053 min Scan# 1872
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:180 Resp: 70629

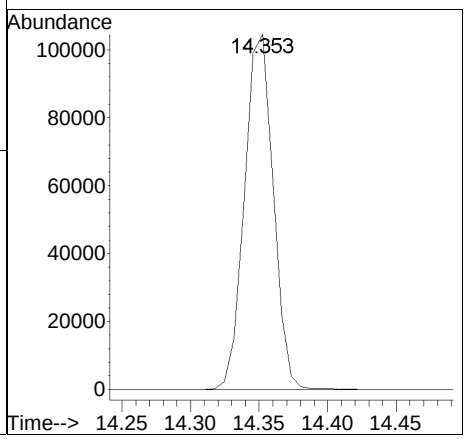
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
145	33.7	25.5	38.3

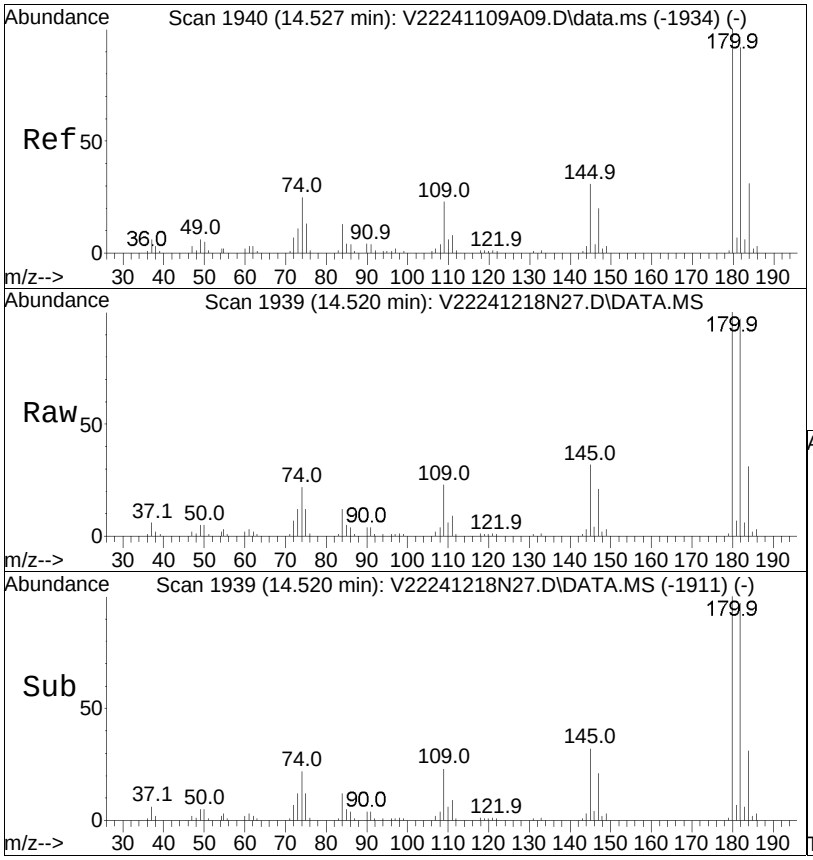




#114
Naphthalene
Concen: 7.97 ug/L
RT: 14.352 min Scan# 1915
Delta R.T. -0.000 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:128 Resp: 153042

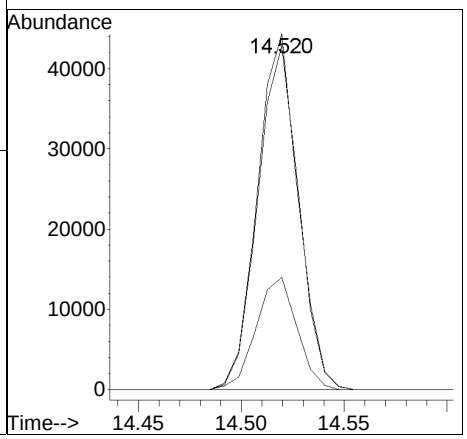




#115
1,2,3-Trichlorobenzene
Concen: 8.32 ug/L
RT: 14.520 min Scan# 1939
Delta R.T. -0.007 min
Lab File: V22241218N27.D
Acq: 19 Dec 2024 05:53 am

Tgt Ion:180 Resp: 61054

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.0	114.0
145	31.5	23.8	35.8

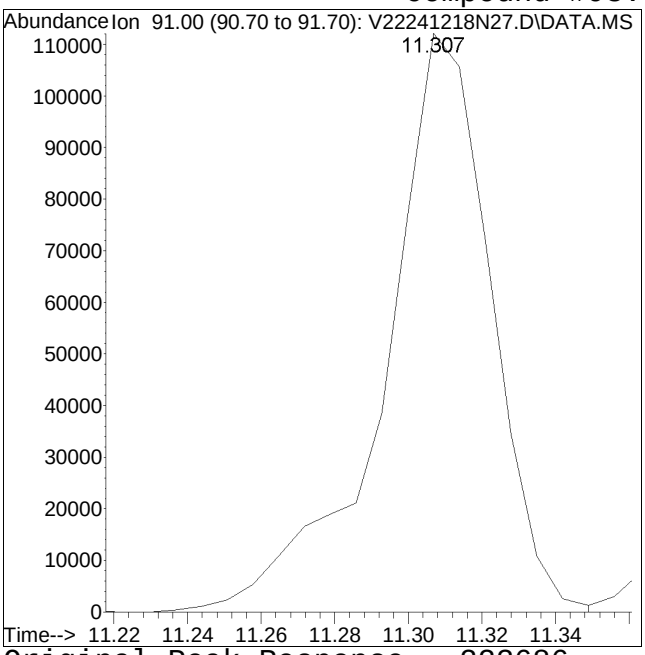


Manual Integration Report

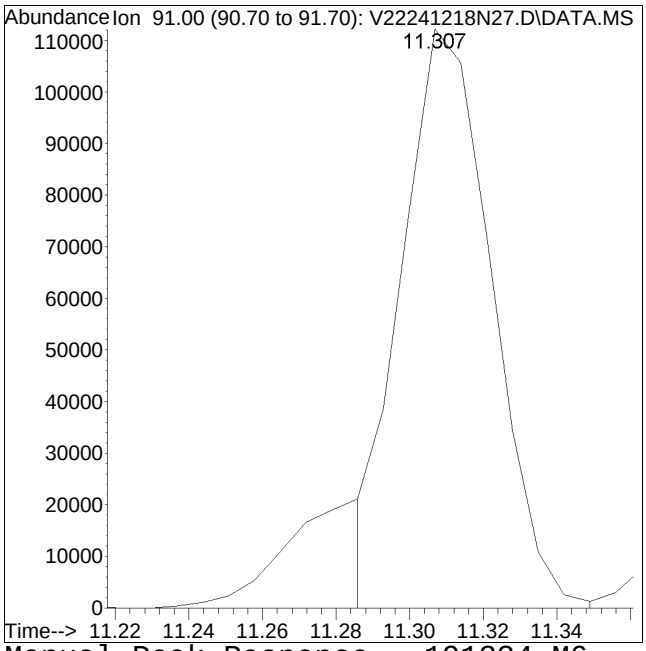
Data Path : K:\VOA122\2024\241218N\
Data File : V22241218N27.D
Date Inj'd : 12/19/2024 5:53 am
Sample : WG2011243-7,31,10,10,,A2

QMethod : V122_241109A_8260.m
Operator : VOA122:MJV
Instrument : VOA 122
Quant Date : 12/19/2024 7:33 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 223686



Manual Peak Response = 191334 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 08:17 am

Work Group: WG2011243 for Department: 31 GC/MS - Volatiles

Created: 19-DEC-24 Due: Operator: MKS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473057-03	OUTFALL 004	S	NYTCL-8260-BTEX	WATER	DONE	U	1225	1219	S0	Vial-B
L2473057-04	OUTFALL 006	S	NYTCL-8260-BTEX	WATER	DONE	U	1225	1219	S0	Vial-B
L2473057-05	OUTFALL 008	S	NYTCL-8260-BTEX	WATER	DONE	U	1225	1219	S0	Vial-B
L2473057-06	OUTFALL 010	S	NYTCL-8260-BTEX	WATER	DONE	U	1225	1219	S0	Vial-B
L2473057-07	OUTFALL 011	S	NYTCL-8260-BTEX	WATER	DONE	U	1225	1219	S0	Vial-B
L2473190-01	MW-E_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
L2473229-02	EFFLUENT	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
WG2011243-1	MS BFB Tune Standard	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2011243-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2011243-2	Continuing Calibrati	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2011243-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2011243-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011243-3	Laboratory Control S	S	NYTCL-8260	WATER	DACQ	U				
WG2011243-3	Laboratory Control S	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-4	LCS Duplicate	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011243-4	LCS Duplicate	S	NYTCL-8260	WATER	DACQ	U				
WG2011243-5	Laboratory Method Bl	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DACQ	U				
WG2011243-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011243-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011243-6	Matrix Spike	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-6	Matrix Spike	S	NYTCL-8260	WATER	DACQ	U				
WG2011243-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011243-7	Matrix Spike Duplica	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2011243-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DACQ	U				

Comments:

WG2011243-4	WG2011243-3
WG2011243-6	L2473190-01
WG2011243-7	L2473190-01

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 08:17 am

Work Group: WG2011328 for Department: 31 GC/MS - Volatiles

Created: 19-DEC-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2472817-01	MW1R	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
L2472817-02	MW2R	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
L2472817-03	MW11	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
L2472817-05	FB-12112024	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
L2472817-06	TB-12112024	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
L2472817-07	MW12S	S	NYTCL-8260-R2	WATER	DONE	U	1225	1219	S0	Vial-B
L2472822-03	GRAB RUN 1	S	NYTCL-8260-R2	LIQUID	DONE	U	1225	1219	S0	Vial-B
L2473190-02	MW-D_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
L2473190-03	MW-C_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
L2473190-04	MW-B_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
L2473190-05	MW-X_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
L2473190-06	FIELD BLANK_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
L2473190-07	TRIP BLANK_20241212	S	NYTCL-8260	WATER	DONE	U	1226	1219	S0	Vial-B
WG2011328-1	MS BFB Tune Standard	S	NYTCL-8260-R2	LIQUID	DONE	U				
WG2011328-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2011328-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2011328-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2011328-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2011328-2	Continuing Calibrati	S	NYTCL-8260-R2	LIQUID	DONE	U				
WG2011328-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2011328-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011328-3	Laboratory Control S	S	NYTCL-8260-R2	LIQUID	DACQ	U				
WG2011328-4	LCS Duplicate	S	NYTCL-8260-R2	LIQUID	DACQ	U				
WG2011328-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2011328-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011328-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2011328-5	Laboratory Method Bl	S	NYTCL-8260-R2	LIQUID	DACQ	U				
WG2011328-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011328-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2011328-6	Matrix Spike	S	NYTCL-8260-R2	LIQUID	DACQ	U				
WG2011328-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2011328-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG2011328-7	Matrix Spike Duplica	S	NYTCL-8260-R2	LIQUID	DACQ	U				
WG2011328-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG2011328-4	WG2011328-3
WG2011328-6	L2472817-03
WG2011328-7	L2472817-03

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 08:17 am

Work Group: WG2011630 for Department: 31 GC/MS - Volatiles

Created: 20-DEC-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473190-08	MW-A_20241213	S	NYTCL-8260	WATER	DONE	U	1227	1220	S0	Vial-B
L2473190-09	MW-F_20241213	S	NYTCL-8260	WATER	DONE	U	1227	1220	S0	Vial-B
L2473538-01	PZ-5	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473538-02	MW-5D	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473538-03	SCDOH-DR	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473538-04	MW-10S	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473538-05	MW-10D	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473538-07	TRIP BLANK	S	NYTCL-8260	WATER	SEC	U	1224	1220	S0	Vial-B
L2473561-03	TW-03	C	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473561-06	TW-04	C	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-01	SW-N-12-13-24-S	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-02	SW-N-12-13-24-M	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-03	SW-N-12-13-24-D	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-04	SW-S-12-13-24-S	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-05	SW-S-12-13-24-S	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-06	SW-S-12-13-24-S	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
L2473639-07	TB	S	NYTCL-8260	WATER	SEC	U	1227	1220	S0	Vial-B
WG2011630-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2011630-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2011630-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2011630-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2011630-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2011630-4 WG2011630-3

Inst: VOA122 BFB: V10735 Method GC: 8260
Initials: TMS IS/SS: V10782 Autosampler: 8260water
Date: **11/09/24** ICAL: V10792,V10788B Concentrator: 8260 v122
Run **A** ICV: V10780,V10761,V10771,V10762,V10745,V10756 QC:_____ Seq:_____

Vial	Data File	Sample	pH<2
1	V22241109ABF1	BFB TUNE	
1	V22241109A01	BLK	
2	V22241109A02	BLK	
3	V22241109A03	I8260STD0.19PPB	
4	V22241109A04	I8260STD0.19PPB	
5	V22241109A05	I8260STD0.5PPB	
6	V22241109A06	I8260STD0.5PPB	
7	V22241109A07	I8260STD2PPB	
8	V22241109A08	I8260STD2PPB	
9	V22241109A09	I8260STD10PPB	
10	V22241109A10	I8260STD30PPB	
11	V22241109A11	I8260STD80PPB	
12	V22241109A12	I8260STD120PPB	
13	V22241109A13	I8260STD200PPB	
14	V22241109A14	BLK	
15	V22241109A15	BLK	
16	V22241109A16	BLK	
17	V22241109A17	BLK	
18	V22241109A18	C8260STD10PPB	
19	V22241109A19	C8260STD10PPB	
20	V22241109A20	BLK	
21	V22241109A21	METHOD BLK	
22	V22241109A22	MDL 0.19PPB	
23	V22241109A23	MDL 0.19PPB	
24	V22241109A24	MDL 0.5PPB	
25	V22241109A25	MDL 0.5PPB	
26	V22241109A26	MDL 2PPB	
27	V22241109A27	MDL 2PPB	
28	V22241109A28	BLK	

			Method
Inst: VOA130	BFB: V10735	GC: 8260	
Initials: PID	IS/SS: V10796	Autosampler: 8260	
Date: **11/12/24**	ICAL: V10788B,V10792	Concentrator: 8260	
Run: **N**	ICV: V10780,V10761,V10771,V10762,V10745,V10756	QC:_____	Seq:_____

Vial	Data File	SAMPLE	pH<2
1	V30241112NBF1	BFB TUNE 14:39	
1	V30241112N01	BLK	
2	V30241112N02	BLK	
3	V30241112N03	I8260STD0.19PPB	
4	V30241112N04	I8260STD0.5PPB	
5	V30241112N05	I8260STD0.5PPB	
6	V30241112N06	I8260STD2PPB	
7	V30241112N07	I8260STD2PPB	
8	V30241112N08	I8260STD10PPB	
9	V30241112N09	I8260STD30PPB	
10	V30241112N10	I8260STD80PPB	
11	V30241112N11	I8260STD120PPB	
12	V30241112N12	I8260STD200PPB	
13	V30241112N13	BLK	
14	V30241112N14	BLK	
15	V30241112N15	BLK	
16	V30241112N16	BLK	
17	V30241112N17	C8260STD10PPB	
18	V30241112N18	C8260STD10PPB	
19	V30241112N19	BLK	

Inst: VOA122 BFB: V10847 Method GC: 8260
Initials: LAC IS/SS: V10849 Autosampler: 8260water
Date: **12/18/24** ICAL: V10829B,V10856 Concentrator: 8260 v122
Run **N** QC:_____ Seq:_____

Vial	Data File	Sample			
1	V22241218NBF1	BFB TUNE			
1	V22241218N01	8260 CCAL			
2	V22241218N02	8260 CCAL			
3	V22241218N03	8260 CCAL			
4	V22241218N04	BLK			
5	V22241218N05	METHOD BLK			
6	V22241218N06	L2472878-07,31,10,10,,C	NJ/15	FB	pH<2
7	V22241218N07	L2473229-02,31,10,10,,A	NYCURVE/2CEVE		pH<2
8	V22241218N08	L2473190-01,31,10,10,,A	NYTCL		pH<2
9	V22241218N09	L2473057-03,31,10,10,,A	NY/BTEX		pH<2
10	V22241218N10	L2473057-04,31,10,10,,A	NY/BTEX		pH<2
11	V22241218N11	L2473057-05,31,10,10,,A	NY/BTEX		pH<2
12	V22241218N12	L2473057-06,31,10,10,,A	NY/BTEX		pH<2
13	V22241218N13	L2473057-07,31,10,10,,A	NY/BTEX		pH<2
14	V22241218N14	L2472997-01,31,10,10,,A	PASHORT (8COMP)		pH<2
15	V22241218N15	L2472997-02,31,10,10,,A	PASHORT (8COMP)		pH<2
16	V22241218N16	L2472997-03,31,10,10,,A	PASHORT (8COMP)		pH<2
17	V22241218N17	L2472997-05,31,10,10,,A	PASHORT (8COMP)		pH<2
18	V22241218N18	L2472997-06,31,10,10,,A	PASHORT (8COMP)		pH<2
19	V22241218N19	L2472997-08,31,10,10,,A	PASHORT (8COMP)		pH<2
20	V22241218N20	L2472997-10,31,10,10,,A	PASHORT (8COMP)		pH<2
21	V22241218N21	L2472997-12,31,10,10,,A	PASHORT (8COMP)		pH<2
22	V22241218N22	L2472997-09,31,10,10,,A	PASHORT (8COMP)		pH<2
23	V22241218N23	L2472997-11,31,10,10,,A	PASHORT (8COMP)		pH<2
24	V22241218N24	l2472997-07D,31,5.0,10,,a	PASHORT (8COMP)		pH<2
25	V22241218N25	l2472997-13D,31,5.0,10,,a	PASHORT (8COMP)		pH<2
26	V22241218N26	L2473190-01MS,31,10,10,,A1	NYTCL		pH<2
27	V22241218N27	L2473190-01MSD,31,10,10,,A2	NYTCL		pH<2

Inst: VOA130 BFB: V10797 Method GC: 8260
Initials: LAC IS/SS: V10849 Autosampler: 8260
Date: **12/18/24** ICAL: V10829B,V10856 Concentrator: 8260
Run: **N** QC:_____ Seq:_____

Vial	Data File	SAMPLE			pH<2
1	V30241218NBF1	BFB TUNE			
1	V30241218N01	8260 CCAL			
2	V30241218N02	8260 CCAL			
3	V30241218N03	8260 CCAL			
4	V30241218N04	8260 CCAL			
5	V30241218N05	BLK			
6	V30241218N06	METHOD BLK			
7	V30241218N07	L2473010-03,31,10,10,,A	OH8260		pH<2
8	V30241218N08	L2473010-01,31,10,10,,A	OH8260		pH<2
9	V30241218N09	L2473010-02,31,10,10,,A	OH8260	FB	pH<2
10	V30241218N10	L2473190-07,31,10,10,,A	NYTCL	TB	pH<2
11	V30241218N11	L2473190-06,31,10,10,,A	NYTCL	FB	pH<2
12	V30241218N12	L2473190-05,31,10,10,,A	NYTCL		pH<2
13	V30241218N13	L2473190-04,31,10,10,,A	NYTCL		pH<2
14	V30241218N14	L2473190-03,31,10,10,,A	NYTCL		pH<2
15	V30241218N15	L2473190-02,31,10,10,,A	NYTCL		pH<2
16	V30241218N16	L2472817-07,31,10,10,,A	NY-R2		pH<2
17	V30241218N17	L2472817-06,31,10,10,,A	NY-R2		pH<2
18	V30241218N18	L2472817-05,31,10,10,,A	NY-R2	FB	pH<2
19	V30241218N19	L2472817-03,31,10,10,,A	NY-R2	TB	pH<2
20	V30241218N20	L2472817-02,31,10,10,,A	NY-R2		pH<2
21	V30241218N21	L2472817-01,31,10,10,,A	NY-R2		pH<2
22	V30241218N22	L2473275-01D,31,1.0,10,,A	PA/BTEX,NAPH		pH<2
23	V30241218N23	L2473275-02,31,10,10,,A	PA/BTEX,NAPH	TB	pH<2
24	V30241218N24	L2472822-03D,31,0.01,10,,A	NY/BTEX,2BUT,4M2P	MAT2	pH<2
25	V30241218N25	L2472827-03D,31,0.01,10,,A	NY/BTEX,2BUT,4M2P	MAT2	pH<2
26	V30241218N26	L2472973-03D,31,0.01,10,,A	NY/BTEX,2BUT,4M2P	MAT2	pH<2
27	V30241218N27	L2472817-03MS,31,10,10,,A1	NY-R2		
28	V30241218N28	L2472817-03MSD,31,10,10,,A2	NY-R2		
29	V30241218N29	HSTD			
30	V30241218N30	BLK			
31	V30241218N31	BLK			

Inst: VOA122 BFB: V10847
Initials: PID IS/SS: V10849
Date: **12/19/24** ICAL: V10829C,V10856
Run **A**

Method
GC: 8260
Autosampler: 8260water
Concentrator: 8260 v122

QC:_____ Seq:_____

Vial	Data File	Sample			pH<2
1	V22241219ABF1	BFB TUNE 07:25			
1	V22241219A01	8260 CCAL LCS			
2	V22241219A02	8260 CCAL LCSD			
3	V22241219A03	8260 CCAL			
4	V22241219A04	BLK			
5	V22241219A05	METHOD BLK			
6	V22241219A06	L2472989-08,31,10,10,,C	NJ/15	FB,CONF RUN	pH<2
7	V22241219A07	L2472865-17,31,10,10,,C	NJ/15		pH>2
8	V22241219A08	L2473062-01D,31,1.0,10,,F	8260NH	VERY OILY	pH<2
9	V22241219A09	DSTD			
10	V22241219A10	L2473190-08,31,10,10,,A	NYTCL		pH<2
11	V22241219A11	L2473190-09,31,10,10,,A	NYTCL		pH<2
12	V22241219A12	L2473561-03,31,10,10,,A	NYTCL		pH>2
13	V22241219A13	L2473561-06,31,10,10,,A	NYTCL		pH<2
14	V22241219A14	L2473639-01,31,10,10,,A	NYTCL		pH<2
15	V22241219A15	L2473639-02,31,10,10,,A	NYTCL		pH<2
16	V22241219A16	L2473639-03,31,10,10,,A	NYTCL		pH<2
17	V22241219A17	L2473639-04,31,10,10,,A	NYTCL		pH<2
18	V22241219A18	L2473639-05,31,10,10,,A	NYTCL		pH<2
19	V22241219A19	L2473639-06,31,10,10,,A	NYTCL		pH<2
20	V22241219A20	L2473639-07,31,10,10,,A	NYTCL	TB	pH<2
21	V22241219A21	L2473538-01,31,10,10,,A	NY/R2		pH<2
22	V22241219A22	L2473538-02,31,10,10,,A	NY/R2		pH<2
23	V22241219A23	L2473538-03,31,10,10,,A	NY/R2		pH<2
24	V22241219A24	L2473538-04,31,10,10,,A	NY/R2		pH<2
25	V22241219A25	L2473538-05,31,10,10,,A	NY/R2		pH<2
26	V22241219A26	L2473538-07,31,10,10,,A	NY/R2	TB	pH<2
27	V22241219A27	L2473062-01DUP,31,1.0,10,,F	NJQC	VERY OILY	pH<2
28	V22241219A28	L2473062-01MS,31,1.0,10,,F	NJQC	VERY OILY	pH<2
29	V22241219A29	HSTD			
30	V22241219A30	BLK			
31	V22241219A31	BLK			

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: AKRF, Inc.
Project Name: AVALON SITE-PCW

Lab Number: L2473190
Project Number: 180017
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-E_20241212 (L2473190-01)	53	36	79	66	87	78	0
MW-D_20241212 (L2473190-02)	45	33	72	62	85	71	0
MW-C_20241212 (L2473190-03)	38	28	64	53	64	64	0
MW-B_20241212 (L2473190-04)	50	34	77	67	81	73	0
MW-X_20241212 (L2473190-05)	55	36	84	70	89	78	0
FIELD BLANK_20241212 (L2473190-06)	43	31	74	63	74	71	0
MW-A_20241213 (L2473190-08)	26	30	66	71	35	80	0
MW-F_20241213 (L2473190-09)	34	27	64	64	54	83	0
WG2010029-1BLANK	44	29	66	56	73	79	0
WG2010029-2LCS	59	42	83	67	90	76	0
WG2010029-3LCSD	57	42	84	71	88	77	0
MW-E_20241212MS	59	39	82	67	84	73	0
MW-E_20241212MSD	52	38	78	65	81	73	0
WG2010761-1BLANK	33	23	51	52	45	55	0
WG2010761-2LCS	41	32	57	60	66	72	0
WG2010761-3LCSD	37	27	47	49	59	55	0
WG2011033-1BLANK	41	28	68	74	49	85	0
WG2011033-2LCS	65	51	86	84	92	87	0
WG2011033-3LCSD	40	31	59	63	69	71	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010029-2 **Analysis Date** : 12/17/24 22:53	**File ID**	: 010029-2
LCSD Sample ID	: WG2010029-3 **Analysis Date** : 12/17/24 23:16	**File ID**	: 010029-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Acenaphthene	20	14.	68		20	14.	70		3	37-111	30
1,2,4-Trichlorobenzene	20	10.	52		20	12.	59		13	39-98	30
Hexachlorobenzene	20	16.	78		20	15.	77		1	40-140	30
Bis(2-chloroethyl)ether	20	16.	80		20	16.	82		2	40-140	30
2-Chloronaphthalene	20	12.	62		20	14.	70		12	40-140	30
1,2-Dichlorobenzene	20	10.	52		20	13.	63		19	40-140	30
1,3-Dichlorobenzene	20	10.	50		20	12.	59		17	40-140	30
1,4-Dichlorobenzene	20	10.	52		20	12.	60		14	36-97	30
3,3'-Dichlorobenzidine	20	18.	91		20	19.	93		2	40-140	30
2,4-Dinitrotoluene	20	17.	84		20	16.	80		5	48-143	30
2,6-Dinitrotoluene	20	16.	79		20	17.	86		8	40-140	30
Fluoranthene	20	16.	80		20	16.	81		1	40-140	30
4-Chlorophenyl phenyl ether	20	14.	69		20	14.	71		3	40-140	30
4-Bromophenyl phenyl ether	20	15.	77		20	16.	78		1	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	82		20	17.	86		5	40-140	30
Bis(2-chloroethoxy)methane	20	17.	83		20	17.	87		5	40-140	30
Hexachlorobutadiene	20	8.3	41		20	11.	54		27	40-140	30
Hexachlorocyclopentadiene	20	4.8	24	Q	20	6.5	32	Q	29	40-140	30
Hexachloroethane	20	9.0	45		20	12.	58		25	40-140	30
Isophorone	20	16.	80		20	16.	82		2	40-140	30
Naphthalene	20	12.	59		20	13.	66		11	40-140	30
Nitrobenzene	20	16.	79		20	16.	83		5	40-140	30
NDPA/DPA	20	15.	74		20	15.	73		1	40-140	30
n-Nitrosodi-n-propylamine	20	16.	80		20	17.	84		5	29-132	30
Bis(2-ethylhexyl)phthalate	20	18.	90		20	18.	92		2	40-140	30
Butyl benzyl phthalate	20	18.	90		20	19.	93		3	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010029-2	**Analysis Date** : 12/17/24 22:53	**File ID** : 010029-2
LCSD Sample ID	: WG2010029-3	**Analysis Date** : 12/17/24 23:16	**File ID** : 010029-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	17.	84	20	17.	87	4	40-140	30
Di-n-octylphthalate	20	17.	85	20	18.	88	3	40-140	30
Diethyl phthalate	20	16.	81	20	16.	79	3	40-140	30
Dimethyl phthalate	20	16.	80	20	17.	83	4	40-140	30
Benzo(a)anthracene	20	15.	77	20	16.	81	5	40-140	30
Benzo(a)pyrene	20	16.	81	20	17.	85	5	40-140	30
Benzo(b)fluoranthene	20	16.	79	20	16.	80	1	40-140	30
Benzo(k)fluoranthene	20	16.	82	20	17.	84	2	40-140	30
Chrysene	20	16.	79	20	16.	78	1	40-140	30
Acenaphthylene	20	14.	71	20	15.	74	4	45-123	30
Anthracene	20	16.	78	20	16.	79	1	40-140	30
Benzo(ghi)perylene	20	15.	76	20	16.	78	3	40-140	30
Fluorene	20	15.	75	20	15.	75	0	40-140	30
Phenanthrene	20	16.	78	20	16.	79	1	40-140	30
Dibenzo(a,h)anthracene	20	15.	74	20	15.	76	3	40-140	30
Indeno(1,2,3-cd)pyrene	20	15.	76	20	16.	79	4	40-140	30
Pyrene	20	16.	80	20	16.	82	2	26-127	30
Biphenyl	20	16.	78	20	17.	86	10	40-140	30
4-Chloroaniline	20	14.	70	20	14.	70	0	40-140	30
2-Nitroaniline	20	16.	82	20	17.	86	5	52-143	30
3-Nitroaniline	20	16.	81	20	15.	77	5	25-145	30
4-Nitroaniline	20	17.	86	20	16.	83	4	51-143	30
Dibenzofuran	20	15.	74	20	14.	72	3	40-140	30
2-Methylnaphthalene	20	12.	61	20	14.	69	12	40-140	30
1,2,4,5-Tetrachlorobenzene	20	13.	64	20	15.	75	16	2-134	30
Acetophenone	20	20.	101	20	20.	101	0	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010029-2 **Analysis Date** : 12/17/24 22:53	**File ID**	: 010029-2
LCSD Sample ID	: WG2010029-3 **Analysis Date** : 12/17/24 23:16	**File ID**	: 010029-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	15.	77	20	16.	82	6	30-130	30
p-Chloro-m-cresol	20	16.	82	20	16.	82	0	23-97	30
2-Chlorophenol	20	15.	77	20	16.	79	3	27-123	30
2,4-Dichlorophenol	20	16.	80	20	16.	81	1	30-130	30
2,4-Dimethylphenol	20	11.	54	20	11.	56	4	30-130	30
2-Nitrophenol	20	15.	73	20	16.	78	7	30-130	30
4-Nitrophenol	20	12.	62	20	12.	62	0	10-80	30
2,4-Dinitrophenol	20	11.	57	20	11.	57	0	20-130	30
4,6-Dinitro-o-cresol	20	16.	78	20	15.	74	5	20-164	30
Pentachlorophenol	20	17.	84	20	16.	82	2	9-103	30
Phenol	20	8.5	42	20	8.7	44	5	12-110	30
2-Methylphenol	20	14.	73	20	14.	72	1	30-130	30
3-Methylphenol/4-Methylphenol	20	15.	74	20	15.	76	3	30-130	30
2,4,5-Trichlorophenol	20	16.	83	20	17.	83	0	30-130	30
Benzoic Acid	20	1.8	9 Q	20	1.2	6 Q	41 Q	10-164	30
Benzyl Alcohol	20	15.	75	20	15.	74	1	26-116	30
Carbazole	20	16.	81	20	17.	83	2	55-144	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010761-2	**Analysis Date** : 12/19/24 01:05	**File ID** : 010761-2
LCSD Sample ID	: WG2010761-3	**Analysis Date** : 12/19/24 01:29	**File ID** : 010761-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Acenaphthene	20	12.	59		20	9.8	49		19	37-111	30
1,2,4-Trichlorobenzene	20	9.8	49		20	8.9	44		11	39-98	30
Hexachlorobenzene	20	14.	68		20	11.	55		21	40-140	30
Bis(2-chloroethyl)ether	20	10.	52		20	9.2	46		12	40-140	30
2-Chloronaphthalene	20	10.	53		20	9.2	46		14	40-140	30
1,2-Dichlorobenzene	20	10.	50		20	8.6	43		15	40-140	30
1,3-Dichlorobenzene	20	9.6	48		20	8.6	43		11	40-140	30
1,4-Dichlorobenzene	20	9.7	48		20	8.5	42		13	36-97	30
3,3'-Dichlorobenzidine	20	15.	75		20	12.	58		26	40-140	30
2,4-Dinitrotoluene	20	15.	73		20	11.	57		25	48-143	30
2,6-Dinitrotoluene	20	14.	71		20	11.	53		29	40-140	30
Fluoranthene	20	14.	69		20	11.	54		24	40-140	30
4-Chlorophenyl phenyl ether	20	13.	63		20	9.9	50		23	40-140	30
4-Bromophenyl phenyl ether	20	13.	65		20	11.	55		17	40-140	30
Bis(2-chloroisopropyl)ether	20	7.8	39	Q	20	6.6	33	Q	17	40-140	30
Bis(2-chloroethoxy)methane	20	11.	57		20	10.	50		13	40-140	30
Hexachlorobutadiene	20	9.4	47		20	8.2	41		14	40-140	30
Hexachlorocyclopentadiene	20	6.0	30	Q	20	5.0	25	Q	18	40-140	30
Hexachloroethane	20	9.0	45		20	8.2	41		9	40-140	30
Isophorone	20	11.	57		20	9.9	49		15	40-140	30
Naphthalene	20	10.	51		20	9.1	46		10	40-140	30
Nitrobenzene	20	11.	53		20	8.9	44		19	40-140	30
NDPA/DPA	20	14.	70		20	10.	52		30	40-140	30
n-Nitrosodi-n-propylamine	20	11.	55		20	9.6	48		14	29-132	30
Bis(2-ethylhexyl)phthalate	20	14.	73		20	11.	56		26	40-140	30
Butyl benzyl phthalate	20	15.	75		20	12.	58		26	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010761-2 **Analysis Date** : 12/19/24 01:05	**File ID**	: 010761-2
LCSD Sample ID	: WG2010761-3 **Analysis Date** : 12/19/24 01:29	**File ID**	: 010761-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	14.	71		20	11.	55		25	40-140	30
Di-n-octylphthalate	20	15.	74		20	11.	57		26	40-140	30
Diethyl phthalate	20	14.	70		20	11.	55		24	40-140	30
Dimethyl phthalate	20	14.	70		20	11.	55		24	40-140	30
Benzo(a)anthracene	20	13.	67		20	10.	52		25	40-140	30
Benzo(a)pyrene	20	15.	75		20	12.	60		22	40-140	30
Benzo(b)fluoranthene	20	14.	71		20	12.	58		20	40-140	30
Benzo(k)fluoranthene	20	15.	74		20	11.	56		28	40-140	30
Chrysene	20	14.	68		20	11.	54		23	40-140	30
Acenaphthylene	20	12.	58		20	9.6	48		19	45-123	30
Anthracene	20	13.	66		20	10.	52		24	40-140	30
Benzo(ghi)perylene	20	15.	75		20	12.	59		24	40-140	30
Fluorene	20	13.	64		20	10.	52		21	40-140	30
Phenanthrene	20	13.	65		20	10.	52		22	40-140	30
Dibenzo(a,h)anthracene	20	15.	75		20	12.	58		26	40-140	30
Indeno(1,2,3-cd)pyrene	20	15.	75		20	12.	58		26	40-140	30
Pyrene	20	14.	70		20	11.	54		26	26-127	30
Biphenyl	20	12.	60		20	10.	51		16	40-140	30
4-Chloroaniline	20	7.5	37	Q	20	5.8	29	Q	24	40-140	30
2-Nitroaniline	20	14.	71		20	12.	58		20	52-143	30
3-Nitroaniline	20	13.	67		20	11.	54		21	25-145	30
4-Nitroaniline	20	15.	74		20	11.	56		28	51-143	30
Dibenzofuran	20	12.	61		20	10.	50		20	40-140	30
2-Methylnaphthalene	20	10.	52		20	9.6	48		8	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	55		20	9.4	47		16	2-134	30
Acetophenone	20	13.	65		20	11.	57		13	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010761-2	**Analysis Date** : 12/19/24 01:05	**File ID** : 010761-2
LCSD Sample ID	: WG2010761-3	**Analysis Date** : 12/19/24 01:29	**File ID** : 010761-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	12.	61		20	10.	51		18	30-130	30
p-Chloro-m-cresol	20	13.	66		20	11.	54		20	23-97	30
2-Chlorophenol	20	11.	55		20	10.	50		10	27-123	30
2,4-Dichlorophenol	20	12.	60		20	10.	53		12	30-130	30
2,4-Dimethylphenol	20	8.1	41		20	6.3	31		28	30-130	30
2-Nitrophenol	20	12.	60		20	11.	54		11	30-130	30
4-Nitrophenol	20	8.9	44		20	7.1	35		23	10-80	30
2,4-Dinitrophenol	20	20.	99		20	20.	98		1	20-130	30
4,6-Dinitro-o-cresol	20	15.	77		20	13.	64		18	20-164	30
Pentachlorophenol	20	13.	66		20	11.	57		15	9-103	30
Phenol	20	6.5	32		20	5.8	29		10	12-110	30
2-Methylphenol	20	11.	55		20	9.2	46		18	30-130	30
3-Methylphenol/4-Methylphenol	20	10.	53		20	8.9	44		19	30-130	30
2,4,5-Trichlorophenol	20	13.	67		20	11.	54		21	30-130	30
Benzoic Acid	20	ND	0	Q	20	ND	0	Q	NC	10-164	30
Benzyl Alcohol	20	11.	55		20	9.5	48		14	26-116	30
Carbazole	20	14.	68		20	11.	54	Q	23	55-144	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011033-2 **Analysis Date** : 12/19/24 15:25	**File ID**	: 011033-2
LCSD Sample ID	: WG2011033-3 **Analysis Date** : 12/19/24 15:49	**File ID**	: 011033-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	16.	81	20	12.	63	25	37-111	30
1,2,4-Trichlorobenzene	20	13.	65	20	10.	51	24	39-98	30
Hexachlorobenzene	20	18.	89	20	14.	68	27	40-140	30
Bis(2-chloroethyl)ether	20	17.	84	20	13.	64	27	40-140	30
2-Chloronaphthalene	20	15.	75	20	12.	59	24	40-140	30
1,2-Dichlorobenzene	20	13.	66	20	10.	53	22	40-140	30
1,3-Dichlorobenzene	20	12.	61	20	10.	51	18	40-140	30
1,4-Dichlorobenzene	20	13.	66	20	10.	52	24	36-97	30
3,3'-Dichlorobenzidine	20	19.	96	20	15.	75	25	40-140	30
2,4-Dinitrotoluene	20	18.	90	20	14.	71	24	48-143	30
2,6-Dinitrotoluene	20	17.	86	20	14.	71	19	40-140	30
Fluoranthene	20	19.	97	20	16.	78	22	40-140	30
4-Chlorophenyl phenyl ether	20	16.	82	20	12.	62	28	40-140	30
4-Bromophenyl phenyl ether	20	17.	83	20	13.	66	23	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	81	20	12.	58	33 Q	40-140	30
Bis(2-chloroethoxy)methane	20	18.	91	20	13.	65	33 Q	40-140	30
Hexachlorobutadiene	20	11.	56	20	9.8	49	13	40-140	30
Hexachlorocyclopentadiene	20	6.4	32 Q	20	5.4	27 Q	17	40-140	30
Hexachloroethane	20	11.	53	20	8.9	44	19	40-140	30
Isophorone	20	17.	87	20	13.	63	32 Q	40-140	30
Naphthalene	20	15.	75	20	12.	60	22	40-140	30
Nitrobenzene	20	17.	86	20	12.	60	36 Q	40-140	30
NDPA/DPA	20	18.	89	20	14.	73	20	40-140	30
n-Nitrosodi-n-propylamine	20	17.	86	20	12.	63	31 Q	29-132	30
Bis(2-ethylhexyl)phthalate	20	21.	104	20	16.	81	25	40-140	30
Butyl benzyl phthalate	20	20.	98	20	15.	77	24	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011033-2 **Analysis Date** : 12/19/24 15:25	**File ID**	: 011033-2
LCSD Sample ID	: WG2011033-3 **Analysis Date** : 12/19/24 15:49	**File ID**	: 011033-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	20.	101	20	16.	81	22	40-140	30
Di-n-octylphthalate	20	21.	105	20	16.	82	25	40-140	30
Diethyl phthalate	20	18.	92	20	15.	73	23	40-140	30
Dimethyl phthalate	20	18.	90	20	15.	73	21	40-140	30
Benzo(a)anthracene	20	20.	100	20	15.	76	27	40-140	30
Benzo(a)pyrene	20	21.	104	20	16.	81	25	40-140	30
Benzo(b)fluoranthene	20	20.	100	20	16.	80	22	40-140	30
Benzo(k)fluoranthene	20	21.	104	20	16.	81	25	40-140	30
Chrysene	20	19.	95	20	15.	77	21	40-140	30
Acenaphthylene	20	17.	84	20	13.	64	27	45-123	30
Anthracene	20	18.	92	20	14.	73	23	40-140	30
Benzo(ghi)perylene	20	19.	97	20	15.	77	23	40-140	30
Fluorene	20	17.	87	20	13.	66	27	40-140	30
Phenanthrene	20	18.	92	20	14.	72	24	40-140	30
Dibenzo(a,h)anthracene	20	20.	100	20	16.	81	21	40-140	30
Indeno(1,2,3-cd)pyrene	20	20.	100	20	16.	80	22	40-140	30
Pyrene	20	20.	98	20	16.	80	20	26-127	30
Biphenyl	20	15.	77	20	12.	60	25	40-140	30
4-Chloroaniline	20	13.	64	20	11.	57	12	40-140	30
2-Nitroaniline	20	18.	92	20	14.	71	26	52-143	30
3-Nitroaniline	20	17.	87	20	14.	68	25	25-145	30
4-Nitroaniline	20	19.	95	20	15.	73	26	51-143	30
Dibenzofuran	20	17.	83	20	13.	63	27	40-140	30
2-Methylnaphthalene	20	14.	72	20	11.	56	25	40-140	30
1,2,4,5-Tetrachlorobenzene	20	14.	68	20	11.	54	23	2-134	30
Acetophenone	20	19.	96	20	14.	70	31 Q	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011033-2 **Analysis Date** : 12/19/24 15:25	**File ID**	: 011033-2
LCSD Sample ID	: WG2011033-3 **Analysis Date** : 12/19/24 15:49	**File ID**	: 011033-3

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R		RPD		Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	18.	88	20	14.	71		21		30-130	30
p-Chloro-m-cresol	20	18.	90	20	14.	70		25		23-97	30
2-Chlorophenol	20	17.	87	20	12.	61		35	Q	27-123	30
2,4-Dichlorophenol	20	18.	90	20	13.	65		32	Q	30-130	30
2,4-Dimethylphenol	20	11.	54	20	5.6	28	Q	63	Q	30-130	30
2-Nitrophenol	20	18.	89	20	13.	65		31	Q	30-130	30
4-Nitrophenol	20	13.	66	20	8.1	40		49	Q	10-80	30
2,4-Dinitrophenol	20	17.	85	20	13.	65		27		20-130	30
4,6-Dinitro-o-cresol	20	18.	89	20	14.	73		20		20-164	30
Pentachlorophenol	20	18.	91	20	15.	73		22		9-103	30
Phenol	20	11.	57	20	6.7	33		53	Q	12-110	30
2-Methylphenol	20	15.	77	20	10.	52		39	Q	30-130	30
3-Methylphenol/4-Methylphenol	20	16.	82	20	10.	51		47	Q	30-130	30
2,4,5-Trichlorophenol	20	18.	92	20	14.	71		26		30-130	30
Benzoic Acid	20	5.8	29	20	3.5	17		52	Q	10-164	30
Benzyl Alcohol	20	17.	85	20	12.	60		34	Q	26-116	30
Carbazole	20	19.	97	20	15.	77		23		55-144	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Client Sample ID	: MW-E_20241212	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2473190-01	Analysis Date	: 12/18/24 03:22
Matrix Spike	: WG2010029-4	MS Analysis Date	: 12/18/24 02:37
Matrix Spike Dup	: WG2010029-5	MSD Analysis Date	: 12/18/24 02:59

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
1,2,4-Trichlorobenzene	ND	20	11.	55		20	10.	50		10	39-98	30
Bis(2-chloroethyl)ether	ND	20	15.	75		20	15.	75		0	40-140	30
1,2-Dichlorobenzene	ND	20	12.	60		20	11.	55		9	40-140	30
1,3-Dichlorobenzene	ND	20	11.	55		20	11.	55		0	40-140	30
1,4-Dichlorobenzene	ND	20	11.	55		20	11.	55		0	36-97	30
3,3'-Dichlorobenzidine	ND	20	15.	75		20	15.	75		0	40-140	30
2,4-Dinitrotoluene	ND	20	15.	75		20	16.	80		6	48-143	30
2,6-Dinitrotoluene	ND	20	16.	80		20	16.	80		0	40-140	30
4-Chlorophenyl phenyl ether	ND	20	14.	70		20	14.	70		0	40-140	30
4-Bromophenyl phenyl ether	ND	20	15.	75		20	15.	75		0	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	16.	80		20	16.	80		0	40-140	30
Bis(2-chloroethoxy)methane	ND	20	17.	85		20	16.	80		6	40-140	30
Hexachlorocyclopentadiene	ND	20	6.7J	34	Q	20	5.8J	29	Q	14	40-140	30
Isophorone	ND	20	15.	75		20	16.	80		6	40-140	30
Nitrobenzene	ND	20	16.	80		20	16.	80		0	40-140	30
NDPA/DPA	ND	20	14.	70		20	15.	75		7	40-140	30
n-Nitrosodi-n-propylamine	ND	20	16.	80		20	16.	80		0	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	19.	95		20	18.	90		5	40-140	30
Butyl benzyl phthalate	ND	20	18.	90		20	18.	90		0	40-140	30
Di-n-butylphthalate	ND	20	16.	80		20	17.	85		6	40-140	30
Di-n-octylphthalate	ND	20	18.	90		20	18.	90		0	40-140	30
Diethyl phthalate	ND	20	15.	75		20	16.	80		6	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Client Sample ID	: MW-E_20241212	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2473190-01	Analysis Date	: 12/18/24 03:22
Matrix Spike	: WG2010029-4	MS Analysis Date	: 12/18/24 02:37
Matrix Spike Dup	: WG2010029-5	MSD Analysis Date	: 12/18/24 02:59

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD		Recovery Limits	RPD Limit
Dimethyl phthalate	ND	20	15.	75		20	16.	80	6		40-140	30
Biphenyl	ND	20	17.	85		20	16.	80	6		40-140	30
4-Chloroaniline	ND	20	6.8	34	Q	20	12.	60	55	Q	40-140	30
2-Nitroaniline	ND	20	15.	75		20	16.	80	6		52-143	30
3-Nitroaniline	ND	20	9.0	45		20	13.	65	36	Q	25-145	30
4-Nitroaniline	ND	20	14.	70		20	14.	70	0		51-143	30
Dibenzofuran	ND	20	14.	70		20	14.	70	0		40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	14.	70		20	14.	70	0		2-134	30
Acetophenone	ND	20	19.	95		20	19.	95	0		39-129	30
2,4,6-Trichlorophenol	ND	20	15.	75		20	15.	75	0		30-130	30
p-Chloro-m-cresol	ND	20	15.	75		20	16.	80	6		23-97	30
2-Chlorophenol	ND	20	15.	75		20	14.	70	7		27-123	30
2,4-Dichlorophenol	ND	20	15.	75		20	15.	75	0		30-130	30
2,4-Dimethylphenol	ND	20	8.5	43		20	9.6	48	12		30-130	30
2-Nitrophenol	ND	20	15.	75		20	14.	70	7		30-130	30
4-Nitrophenol	ND	20	11.	55		20	11.	55	0		10-80	30
2,4-Dinitrophenol	ND	20	12.J	60		20	11.J	55	9		20-130	30
4,6-Dinitro-o-cresol	ND	20	14.	70		20	15.	75	7		20-164	30
Phenol	1.1J	20	8.4	42		20	9.1	46	8		12-110	30
2-Methylphenol	ND	20	14.	70		20	13.	65	7		30-130	30
3-Methylphenol/4-Methylphenol	ND	20	13.	65		20	13.	65	0		30-130	30
2,4,5-Trichlorophenol	ND	20	16.	80		20	15.	75	6		30-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Client Sample ID	: MW-E_20241212	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2473190-01	**Analysis Date**	: 12/18/24 03:22
Matrix Spike	: WG2010029-4	**MS Analysis Date**	: 12/18/24 02:37
Matrix Spike Dup	: WG2010029-5	**MSD Analysis Date**	: 12/18/24 02:59

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzoic Acid	ND	20	4.8J	24	20	4.1J	21	16	10-164	30
Benzyl Alcohol	ND	20	12.	60	20	14.	70	15	26-116	30
Carbazole	ND	20	16.	80	20	16.	80	0	55-144	30

Method Blank Summary
Form 4
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2010029-1	**Lab File ID**	: 010029-1
Instrument ID	: DAKOTA	**Extraction Date**	: 12/17/24
Matrix	: WATER	**Analysis Date**	: 12/17/24 22:31
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2010029-2LCS	WG2010029-2	12/17/24 22:53
WG2010029-3LCSD	WG2010029-3	12/17/24 23:16
MW-E_20241212MS	WG2010029-4	12/18/24 02:37
MW-E_20241212MSD	WG2010029-5	12/18/24 02:59
MW-E_20241212	L2473190-01	12/18/24 03:22
MW-D_20241212	L2473190-02	12/18/24 03:44
MW-C_20241212	L2473190-03	12/18/24 04:07
MW-B_20241212	L2473190-04	12/18/24 04:29
MW-X_20241212	L2473190-05	12/18/24 04:52

Method Blank Summary
Form 4
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2010761-1	**Lab File ID**	: 010761-1
Instrument ID	: SV106	**Extraction Date**	: 12/18/24
Matrix	: WATER	**Analysis Date**	: 12/19/24 00:42
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2010761-2LCS	WG2010761-2	12/19/24 01:05
WG2010761-3LCSD	WG2010761-3	12/19/24 01:29
FIELD BLANK_20241212	L2473190-06	12/19/24 01:54

Method Blank Summary
Form 4
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2011033-1	**Lab File ID**	: 010956-1
Instrument ID	: SV112	**Extraction Date**	: 12/18/24
Matrix	: WATER	**Analysis Date**	: 12/19/24 16:13
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2011033-2LCS	WG2011033-2	12/19/24 15:25
WG2011033-3LCSD	WG2011033-3	12/19/24 15:49
MW-A_20241213	L2473190-08	12/19/24 17:02
MW-F_20241213	L2473190-09	12/19/24 17:25

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 10/09/24 19:43
Tune Standard	: R1887847-4	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.3
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.3
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.2
442	Base Peak, or >50% of mass 198	66.9
443	15.0 - 24.0% of mass 442	13 (19.5)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1887847-15	ABNL9	10/09/24 20:07
ABNL8	R1887847-13	ABNL8	10/09/24 20:30
ABNL7	R1887847-12	ABNL7	10/09/24 20:54
ABNL6	R1887847-11	ABNL6	10/09/24 21:18
ABNL5	R1887847-10	ABNL5	10/09/24 21:41
ABNL4	R1887847-9	ABNL4	10/09/24 22:05
ABNL3	R1887847-8	ABNL3	10/09/24 22:29
ABNL2	R1887847-7	ABNL2	10/09/24 22:52
ABNL1	R1887847-6	ABNL1	10/09/24 23:16
AP9L9	R1887847-32	AP9L9	10/09/24 23:40
AP9L8	R1887847-31	AP9L8	10/10/24 00:03
AP9L7	R1887847-30	AP9L7	10/10/24 00:27
AP9L6	R1887847-29	AP9L6	10/10/24 00:51
AP9L5	R1887847-28	AP9L5	10/10/24 01:15
AP9L4	R1887847-27	AP9L4	10/10/24 01:38
AP9L3	R1887847-24	AP9L3	10/10/24 02:02
AP9L2	R1887847-25	AP9L2	10/10/24 02:25
AP9L1	R1887847-26	AP9L1	10/10/24 02:49
ABN ICV Quant Report	R1887847-1	ABNICV	10/10/24 03:13
AP9 ICV Quant Report	R1887847-3	AP9ICV	10/10/24 03:37

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 10/11/24 12:20
Tune Standard	: R1887847-5	**Tune File ID**	: Tune3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.1
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	25.8
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	69.1
443	15.0 - 24.0% of mass 442	13.4 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1887847-23	ADPL9	10/11/24 12:44
ADPL8	R1887847-21	ADPL8	10/11/24 13:07
ADPL7	R1887847-20	ADPL7	10/11/24 13:31
ADPL6	R1887847-22	ADPL6	10/11/24 13:55
ADPL5	R1887847-19	ADPL5	10/11/24 14:18
ADPL4	R1887847-17	ADPL4	10/11/24 14:42
ADPL3	R1887847-18	ADPL3	10/11/24 15:06
ADPL2	R1887847-16	ADPL2	10/11/24 15:29
ADPL1	R1887847-14	ADPL1	10/11/24 15:53
ADP ICV Quant Report	R1887847-2	ADPICV	10/11/24 16:16

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 12/18/24 21:55
Tune Standard	: WG2011026-1	**Tune File ID**	: DEG1218_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	27.4
68	Less than 2.0% of mass 69	0.4 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	44.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	28.1
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	86.6
443	15.0 - 24.0% of mass 442	16.9 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011026-6TFACTOR-P	WG2011026-6	DEG1218	12/18/24 21:55
WG2011026-7TFACTOR-B	WG2011026-7	DEG1218	12/18/24 21:55
WG2011026-3CCAL	WG2011026-3	ABN1218	12/18/24 22:19
WG2011026-4CCAL	WG2011026-4	AP91218	12/18/24 22:43
WG2011026-5CCAL	WG2011026-5	ADP1218	12/18/24 23:07
WG2010761-1BLANK	WG2010761-1	010761-1	12/19/24 00:42
WG2010761-2LCS	WG2010761-2	010761-2	12/19/24 01:05
WG2010761-3LCSD	WG2010761-3	010761-3	12/19/24 01:29

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 12/19/24 11:03
Tune Standard	: WG2011391-1	**Tune File ID**	: DEG1219_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	30
68	Less than 2.0% of mass 69	0.3 (1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.8
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	72.5
443	15.0 - 24.0% of mass 442	14.1 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011391-6TFACTOR-B	WG2011391-6	DEG1219	12/19/24 11:03
WG2011391-7TFACTOR-P	WG2011391-7	DEG1219	12/19/24 11:03
WG2011391-3CCAL	WG2011391-3	ABN1219	12/19/24 11:28
WG2011391-4CCAL	WG2011391-4	AP91219	12/19/24 11:52
WG2011391-5CCAL	WG2011391-5	ADP1219	12/19/24 12:15
MW-A_20241213	L2473190-08	73190-08	12/19/24 17:02
MW-F_20241213	L2473190-09	73190-09	12/19/24 17:25

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 11/05/24 16:36
Tune Standard	: R1897417-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	80.8
443	15.0 - 24.0% of mass 442	15.9 (19.7)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1897417-9	ABNL9	11/05/24 16:59
ABNL8	R1897417-8	ABNL8	11/05/24 17:23
ABNL7	R1897417-7	ABNL7	11/05/24 17:46
ABNL6	R1897417-6	ABNL6	11/05/24 18:09
ABNL5	R1897417-5	ABNL5	11/05/24 18:33
ABNL4	R1897417-4	ABNL4	11/05/24 18:56
ABNL3	R1897417-3	ABNL3	11/05/24 19:19
ABNL2	R1897417-2	ABNL2	11/05/24 19:42
ABNL1	R1897417-1	ABNL1	11/05/24 20:06
AP9L9	R1897417-27	AP9L9	11/05/24 20:29
AP9L8	R1897417-26	AP9L8	11/05/24 20:53
AP9L7	R1897417-25	AP9L7	11/05/24 21:16
AP9L6	R1897417-24	AP9L6	11/05/24 21:39
AP9L5	R1897417-23	AP9L5	11/05/24 22:03
AP9L4	R1897417-22	AP9L4	11/05/24 22:26
AP9L3	R1897417-21	AP9L3	11/05/24 22:49
AP9L2	R1897417-20	AP9L2	11/05/24 23:13
AP9L1	R1897417-19	AP9L1	11/05/24 23:36
ABN ICV Quant Report	R1897417-28	ABNICV	11/05/24 23:59
AP9 ICV Quant Report	R1897417-30	AP9ICV	11/06/24 00:23

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 11/06/24 00:46
Tune Standard	: R1897417-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	27.4
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.8
442	Base Peak, or >50% of mass 198	78.8
443	15.0 - 24.0% of mass 442	15.6 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1897417-18	ADPL9	11/06/24 01:10
ADPL8	R1897417-17	ADPL8	11/06/24 01:33
ADPL7	R1897417-16	ADPL7	11/06/24 01:56
ADPL6	R1897417-15	ADPL6	11/06/24 02:20
ADPL5	R1897417-14	ADPL5	11/06/24 02:43
ADPL4	R1897417-13	ADPL4	11/06/24 03:07
ADPL3	R1897417-12	ADPL3	11/06/24 03:30
ADPL2	R1897417-10	ADPL2	11/06/24 03:53
ADPL1	R1897417-11	ADPL1	11/06/24 04:17
ADP ICV Quant Report	R1897417-29	ADPICV	11/06/24 04:40

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 12/17/24 19:54
Tune Standard	: WG2009957-1	**Tune File ID**	: DEG1217_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.5
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	48.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	27.5
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	17.8
442	Base Peak, or >50% of mass 198	84.8
443	15.0 - 24.0% of mass 442	17 (20.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2009957-6TFACTOR-P	WG2009957-6	DEG1217	12/17/24 19:54
WG2009957-7TFACTOR-B	WG2009957-7	DEG1217	12/17/24 19:54
WG2009957-3CCAL	WG2009957-3	ABN1217	12/17/24 20:16
WG2009957-4CCAL	WG2009957-4	AP91217	12/17/24 20:39
WG2009957-5CCAL	WG2009957-5	ADP1217	12/17/24 21:01
WG2010029-1BLANK	WG2010029-1	010029-1	12/17/24 22:31
WG2010029-2LCS	WG2010029-2	010029-2	12/17/24 22:53
WG2010029-3LCSD	WG2010029-3	010029-3	12/17/24 23:16
WG2010029-4MS	WG2010029-4	010029-4	12/18/24 02:37
WG2010029-5MSD	WG2010029-5	010029-5	12/18/24 02:59
MW-E_20241212	L2473190-01	73190-01	12/18/24 03:22
MW-D_20241212	L2473190-02	73190-02	12/18/24 03:44
MW-C_20241212	L2473190-03	73190-03	12/18/24 04:07
MW-B_20241212	L2473190-04	73190-04	12/18/24 04:29
MW-X_20241212	L2473190-05	73190-05	12/18/24 04:52

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 12/18/24 23:17
Tune Standard	: WG2011025-1	**Tune File ID**	: DEG1218n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.1
68	Less than 2.0% of mass 69	0.2 (.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	48.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.4
275	10.0 - 60.0% of Base Peak	26.7
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	18
442	Base Peak, or >50% of mass 198	80.6
443	15.0 - 24.0% of mass 442	16.1 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011025-6TFACTOR-P	WG2011025-6	DEG1218N	12/18/24 23:17
WG2011025-7TFACTOR-B	WG2011025-7	DEG1218N	12/18/24 23:17
WG2011025-3CCAL	WG2011025-3	ABN1218N	12/18/24 23:39
WG2011025-4CCAL	WG2011025-4	AP91218N	12/19/24 00:02
WG2011025-5CCAL	WG2011025-5	ADP1218N	12/19/24 00:24
FIELD BLANK_20241212	L2473190-06	73190-06	12/19/24 01:54

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV112	**Analysis Date**	: 12/15/24 21:33
Tune Standard	: R1912273-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.6
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	44.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	26.9
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	17.9
442	Base Peak, or >50% of mass 198	76.5
443	15.0 - 24.0% of mass 442	15.3 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1912273-9	ABNL9	12/15/24 21:56
ABNL8	R1912273-8	ABNL8	12/15/24 22:20
ABNL7	R1912273-7	ABNL7	12/15/24 22:43
ABNL6	R1912273-6	ABNL6	12/15/24 23:06
ABNL5	R1912273-4	ABNL5	12/15/24 23:30
ABNL4	R1912273-5	ABNL4	12/15/24 23:53
ABNL3	R1912273-3	ABNL3	12/16/24 00:18
ABNL2	R1912273-2	ABNL2	12/16/24 00:42
ABNL1	R1912273-1	ABNL1	12/16/24 01:07
AP9L9	R1912273-27	AP9L9	12/16/24 01:32
AP9L8	R1912273-26	AP9L8	12/16/24 01:55
AP9L7	R1912273-25	AP9L7	12/16/24 02:20
AP9L6	R1912273-24	AP9L6	12/16/24 02:43
AP9L5	R1912273-23	AP9L5	12/16/24 03:08
AP9L4	R1912273-22	AP9L4	12/16/24 03:31
AP9L3	R1912273-21	AP9L3	12/16/24 03:56
AP9L2	R1912273-19	AP9L2	12/16/24 04:20
AP9L1	R1912273-20	AP9L1	12/16/24 04:45
ABN ICV Quant Report	R1912273-28	ABNICV	12/16/24 05:08
AP9 ICV Quant Report	R1912273-30	AP9ICV	12/16/24 05:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV112	**Analysis Date**	: 12/16/24 05:57
Tune Standard	: R1912273-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.8
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.9
197	Less than 2.0% of mass 198	0.5
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	25.7
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	69.3
443	15.0 - 24.0% of mass 442	13.9 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1912273-17	ADPL9	12/16/24 06:22
ADPL8	R1912273-18	ADPL8	12/16/24 06:46
ADPL7	R1912273-16	ADPL7	12/16/24 07:11
ADPL6	R1912273-15	ADPL6	12/16/24 07:36
ADPL5	R1912273-14	ADPL5	12/16/24 08:01
ADPL4	R1912273-13	ADPL4	12/16/24 08:26
ADPL3	R1912273-12	ADPL3	12/16/24 08:51
ADPL2	R1912273-11	ADPL2	12/16/24 09:14
ADPL1	R1912273-10	ADPL1	12/16/24 09:39
ADP ICV Quant Report	R1912273-29	ADPICV	12/16/24 10:04

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV112	**Analysis Date**	: 12/19/24 10:59
Tune Standard	: WG2011377-1	**Tune File ID**	: DEG1219_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.6
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.4
197	Less than 2.0% of mass 198	0.6
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.4
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	70.6
443	15.0 - 24.0% of mass 442	14.1 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011377-6TFACTOR-B	WG2011377-6	DEG1219	12/19/24 10:59
WG2011377-7TFACTOR-P	WG2011377-7	DEG1219	12/19/24 10:59
WG2011377-3CCAL	WG2011377-3	ABN1219	12/19/24 11:24
WG2011377-4CCAL	WG2011377-4	AP91219	12/19/24 11:47
WG2011377-5CCAL	WG2011377-5	ADP1219	12/19/24 12:11
WG2011033-2LCS	WG2011033-2	011033-2	12/19/24 15:25
WG2011033-3LCSD	WG2011033-3	011033-3	12/19/24 15:49
WG2011033-1BLANK	WG2011033-1	010956-1	12/19/24 16:13

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 12/17/24 20:16:00
Sample No	: WG2009957-3	**Lab File ID**	: ABN1217

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2009957-3	26655	3.64	106241	4.90	71683	6.58
Upper Limit	53310	4.14	212482	5.40	143366	7.08
Lower Limit	13328	3.14	53121	4.40	35842	6.08
Sample ID						
WG2009957-4 CCAL	25773	3.64	99018	4.90	64706	6.58
WG2009957-5 CCAL	25981	3.64	-	-	65397	6.57
WG2010029-1 BLANK	24764	3.64	92333	4.90	61676	6.58
WG2010029-2 LCS	26616	3.64	102572	4.90	67199	6.57
WG2010029-3 LCSD	26254	3.64	99967	4.90	67176	6.58
MW-E_20241212 MS	25898	3.63	97739	4.90	65490	6.57
MW-E_20241212 MSD	25789	3.63	98481	4.90	64785	6.57
MW-E_20241212	25793	3.63	100051	4.90	66470	6.57
MW-D_20241212	26398	3.63	100771	4.90	67359	6.57
MW-C_20241212	26343	3.64	98618	4.90	63886	6.57
MW-B_20241212	26065	3.63	97686	4.90	64402	6.57
MW-X_20241212	26094	3.63	99034	4.90	66444	6.57

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 12/17/24 20:16:00
Sample No	: WG2009957-3	**Lab File ID**	: ABN1217

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2009957-3	155913	7.97	174995	10.47	205184	11.82
Upper Limit	311826	8.47	349990	10.97	410368	12.32
Lower Limit	77957	7.47	87498	9.97	102592	11.32
Sample ID						
WG2009957-4 CCAL	149565	7.97	-	-	-	-
WG2009957-5 CCAL	147521	7.97	-	-	-	-
WG2010029-1 BLANK	137100	7.97	155752	10.47	187394	11.82
WG2010029-2 LCS	148533	7.97	165624	10.47	196985	11.82
WG2010029-3 LCSD	144697	7.97	161211	10.47	193442	11.82
MW-E_20241212 MS	140486	7.97	156621	10.47	190557	11.82
MW-E_20241212 MSD	144005	7.97	160041	10.47	194027	11.82
MW-E_20241212	148191	7.97	164768	10.47	197232	11.82
MW-D_20241212	149550	7.97	169020	10.47	198321	11.82
MW-C_20241212	143729	7.97	165577	10.47	195852	11.82
MW-B_20241212	146142	7.97	165520	10.47	196396	11.82
MW-X_20241212	145854	7.97	167621	10.47	195619	11.82

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 12/18/24 22:19:00
Sample No	: WG2011026-3	**Lab File ID**	: ABN1218

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2011026-3	49612	6.64	183058	8.05	122903	9.81
Upper Limit	99224	7.14	366116	8.55	245806	10.31
Lower Limit	24806	6.14	91529	7.55	61452	9.31
Sample ID						
WG2011026-4 CCAL	57665	6.64	207211	8.05	120872	9.80
WG2011026-5 CCAL	50150	6.64	-	-	113815	9.80
WG2010761-1 BLANK	57323	6.64	226145	8.05	133913	9.80
WG2010761-2 LCS	63456	6.64	238341	8.05	144128	9.80
WG2010761-3 LCSD	66163	6.64	253842	8.05	151670	9.80

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 12/18/24 22:19:00
Sample No	: WG2011026-3	**Lab File ID**	: ABN1218

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2011026-3	229574	11.25	264435	13.90	304444	15.39
Upper Limit	459148	11.75	528870	14.40	608888	15.89
Lower Limit	114787	10.75	132218	13.40	152222	14.89
Sample ID						
WG2011026-4 CCAL	240818	11.25	-	-	-	-
WG2011026-5 CCAL	236979	11.25	-	-	-	-
WG2010761-1 BLANK	259300	11.25	274033	13.90	328810	15.38
WG2010761-2 LCS	288611	11.25	320038	13.90	364602	15.38
WG2010761-3 LCSD	300974	11.25	322707	13.90	369436	15.38

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 12/18/24 23:39:00
Sample No	: WG2011025-3	**Lab File ID**	: ABN1218N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2011025-3	26398	3.63	102471	4.90	68910	6.57
Upper Limit	52796	4.13	204942	5.40	137820	7.07
Lower Limit	13199	3.13	51236	4.40	34455	6.07
Sample ID						
WG2011025-4 CCAL	24549	3.63	95614	4.89	61894	6.57
WG2011025-5 CCAL	25145	3.63	-	-	61908	6.57
FIELD BLANK_20241212	22454	3.63	87271	4.89	56787	6.57

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: DAKOTA	**Analysis Date**	: 12/18/24 23:39:00
Sample No	: WG2011025-3	**Lab File ID**	: ABN1218N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2011025-3	148471	7.96	168085	10.47	196799	11.82
Upper Limit	296942	8.46	336170	10.97	393598	12.32
Lower Limit	74236	7.46	84043	9.97	98400	11.32
Sample ID						
WG2011025-4 CCAL	141713	7.96	-	-	-	-
WG2011025-5 CCAL	139803	7.97	-	-	-	-
FIELD BLANK_20241212	124906	7.96	139105	10.47	165074	11.82

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV112	**Analysis Date**	: 12/19/24 11:24:00
Sample No	: WG2011377-3	**Lab File ID**	: ABN1219

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2011377-3	31733	4.83	119379	6.07	75180	7.79
Upper Limit	63466	5.33	238758	6.57	150360	8.29
Lower Limit	15867	4.33	59690	5.57	37590	7.29
Sample ID						
WG2011377-4 CCAL	37135	4.83	134467	6.07	84559	7.79
WG2011377-5 CCAL	29954	4.83	-	-	66138	7.79
WG2011033-2 LCS	27373	4.83	105068	6.07	65427	7.79
WG2011033-3 LCSD	30950	4.83	111094	6.07	70534	7.79
WG2011033-1 BLANK	28576	4.83	102328	6.07	61011	7.79

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV112	**Analysis Date**	: 12/19/24 11:24:00
Sample No	: WG2011377-3	**Lab File ID**	: ABN1219

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2011377-3	158888	9.23	186682	11.90	210513	13.39
Upper Limit	317776	9.73	373364	12.40	421026	13.89
Lower Limit	79444	8.73	93341	11.40	105257	12.89
Sample ID						
WG2011377-4 CCAL	181272	9.23	-	-	-	-
WG2011377-5 CCAL	146403	9.23	-	-	-	-
WG2011033-2 LCS	137989	9.23	153007	11.90	173598	13.39
WG2011033-3 LCSD	149859	9.23	171638	11.90	192008	13.38
WG2011033-1 BLANK	128045	9.23	141541	11.90	157971	13.39

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 12/19/24 11:28:00
Sample No	: WG2011391-3	**Lab File ID**	: ABN1219

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2011391-3	59785	6.64	236263	8.05	135584	9.80
Upper Limit	119570	7.14	472526	8.55	271168	10.30
Lower Limit	29893	6.14	118132	7.55	67792	9.30
Sample ID						
WG2011391-4 CCAL	57436	6.64	223802	8.05	135210	9.80
WG2011391-5 CCAL	64688	6.64	-	-	151712	9.80
MW-A_20241213	66683	6.64	250238	8.05	148416	9.80
MW-F_20241213	55038	6.64	198990	8.05	110781	9.80

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV106	**Analysis Date**	: 12/19/24 11:28:00
Sample No	: WG2011391-3	**Lab File ID**	: ABN1219

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2011391-3	265683	11.25	288586	13.90	335704	15.38
Upper Limit	531366	11.75	577172	14.40	671408	15.88
Lower Limit	132842	10.75	144293	13.40	167852	14.88
Sample ID						
WG2011391-4 CCAL	276753	11.25	-	-	-	-
WG2011391-5 CCAL	298371	11.25	-	-	-	-
MW-A_20241213	288872	11.25	317930	13.90	357363	15.38
MW-F_20241213	222242	11.25	280184	13.90	309329	15.38

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
Benzidine	92-87-5	551.1	181.028	ug/kg	10-66	50	10-66	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Azobenzene	122-66-7	167	16.032	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
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ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
Aniline	62-53-3	200.4	78.824	ug/kg	40-140	50	40-140	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
1-Methylnaphthalene	90-12-0	167	19.372	ug/kg	26-130	50	26-130	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
n-Nitrosodimethylamine	62-75-9	334	32.064	ug/kg	22-100	50	22-100	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
Pyridine	110-86-1	180.36	63.46	ug/kg	10-93	50	10-93	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:22
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:22
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.1	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:22
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:44
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:44
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	2.5	2.0	0.20	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	6.7	2.0	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	3.0	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-02	**Date Collected**	: 12/12/24 10:27
Client ID	: MW-D_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 03:44
Sample Matrix	: WATER	**Date Extracted**	: 12/17/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 73190-02	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	6.8	50	2.6	J
100-51-6	Benzyl Alcohol	3.2	2.0	0.38	
86-74-8	Carbazole	13.	2.0	0.31	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:29
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:29
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.4	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:29
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:52
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:52
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	2.5	2.0	0.20	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	6.1	2.0	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	3.2	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-05	**Date Collected**	: 12/12/24 10:30
Client ID	: MW-X_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/18/24 04:52
Sample Matrix	: WATER	**Date Extracted**	: 12/17/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 73190-05	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	10.	50	2.6	J
100-51-6	Benzyl Alcohol	3.9	2.0	0.38	
86-74-8	Carbazole	14.	2.0	0.31	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 01:54
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 01:54
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.2	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab ID	: L2473190-06	**Date Collected**	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	**Date Received**	: 12/12/24
Sample Location	: YONKERS, NY	**Date Analyzed**	: 12/19/24 01:54
Sample Matrix	: WATER	**Date Extracted**	: 12/18/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 73190-06	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:02
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:02
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:02
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:25
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:25
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:25
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010029-1	Date Collected	: NA
Client ID	: WG2010029-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/17/24 22:31
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010029-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010029-1	Date Collected	: NA
Client ID	: WG2010029-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/17/24 22:31
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010029-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010029-1	Date Collected	: NA
Client ID	: WG2010029-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/17/24 22:31
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010029-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010029-1	Date Collected	: NA
Client ID	: WG2010029-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/17/24 22:31
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010029-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010761-1	Date Collected	: NA
Client ID	: WG2010761-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 00:42
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010761-1	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010761-1	Date Collected	: NA
Client ID	: WG2010761-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 00:42
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010761-1	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010761-1	Date Collected	: NA
Client ID	: WG2010761-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 00:42
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010761-1	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010761-1	Date Collected	: NA
Client ID	: WG2010761-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 00:42
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010761-1	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011033-1	Date Collected	: NA
Client ID	: WG2011033-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 16:13
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010956-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011033-1	Date Collected	: NA
Client ID	: WG2011033-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 16:13
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010956-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011033-1	Date Collected	: NA
Client ID	: WG2011033-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 16:13
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010956-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011033-1	Date Collected	: NA
Client ID	: WG2011033-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 16:13
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 010956-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-01.D
Acq On : 18 Dec 2024 3:22 am
Operator : Dakota:smz
Sample : L2473190-01,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 18 12:39:56 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.633	152	25793	4.000	ug/ml	0.00
Standard Area 1 = 26655			Recovery = 96.77%			
27) IS2_1,4-Dichlorobenzen...	3.633	152	25793	4.000	ug/ml	0.00
Standard Area 3 = 25773			Recovery = 100.08%			
37) IS1_Naphthalene-d8	4.895	136	100051	4.000	ug/ml	# 0.00
Standard Area 1 = 106241			Recovery = 94.17%			
57) IS2_Naphthalene-d8	4.895	136	100051	4.000	ug/ml	# 0.00
Standard Area 3 = 99018			Recovery = 101.04%			
65) IS1_Acenaphthene-d10	6.574	164	66470	4.000	ug/ml	0.00
Standard Area 1 = 71683			Recovery = 92.73%			
85) IS2_Acenaphthene-d10	6.574	164	66470	4.000	ug/ml	0.00
Standard Area 3 = 64706			Recovery = 102.73%			
88) IS3_Acenaphthene-d10	6.574	164	66470	4.000	ug/ml	0.00
Standard Area 2 = 65397			Recovery = 101.64%			
90) IS1_Phenanthrene-d10	7.966	188	148191	4.000	ug/ml	0.00
Standard Area 1 = 155913			Recovery = 95.05%			
102) IS3_Phenanthrene-d10	7.966	188	148191	4.000	ug/ml	0.00
Standard Area 2 = 147521			Recovery = 100.45%			
106) IS1_Chrysene-d12	10.468	240	164768	4.000	ug/ml	0.00
Standard Area 1 = 174995			Recovery = 94.16%			
115) IS1_Perylene-d12	11.817	264	197232	4.000	ug/ml	0.00
Standard Area 1 = 205184			Recovery = 96.12%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.222	112	7050	1.063	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.15%			
7) Phenol-d6	3.369	99	6033	0.710	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 35.50%			
19) Nitrobenzene-d5	4.215	82	6053	0.785	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.50%			
48) 2-Fluorobiphenyl	5.980	172	16350	0.660	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.00%			
81) 2,4,6-Tribromophenol	7.326	330	8242	1.735	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 86.75%			
98) 4-Terphenyl-d14	9.536	244	33554	0.783	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.30%			

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-01.D
Acq On : 18 Dec 2024 3:22 am
Operator : Dakota:smz
Sample : L2473190-01,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 18 12:39:56 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.379	94	984	0.107	ug/ml#	48
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-01.D
Acq On : 18 Dec 2024 3:22 am
Operator : Dakota:smz
Sample : L2473190-01,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 18 12:39:56 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111)	Di-n-octylphthalate	0.000		0		N.D.	d

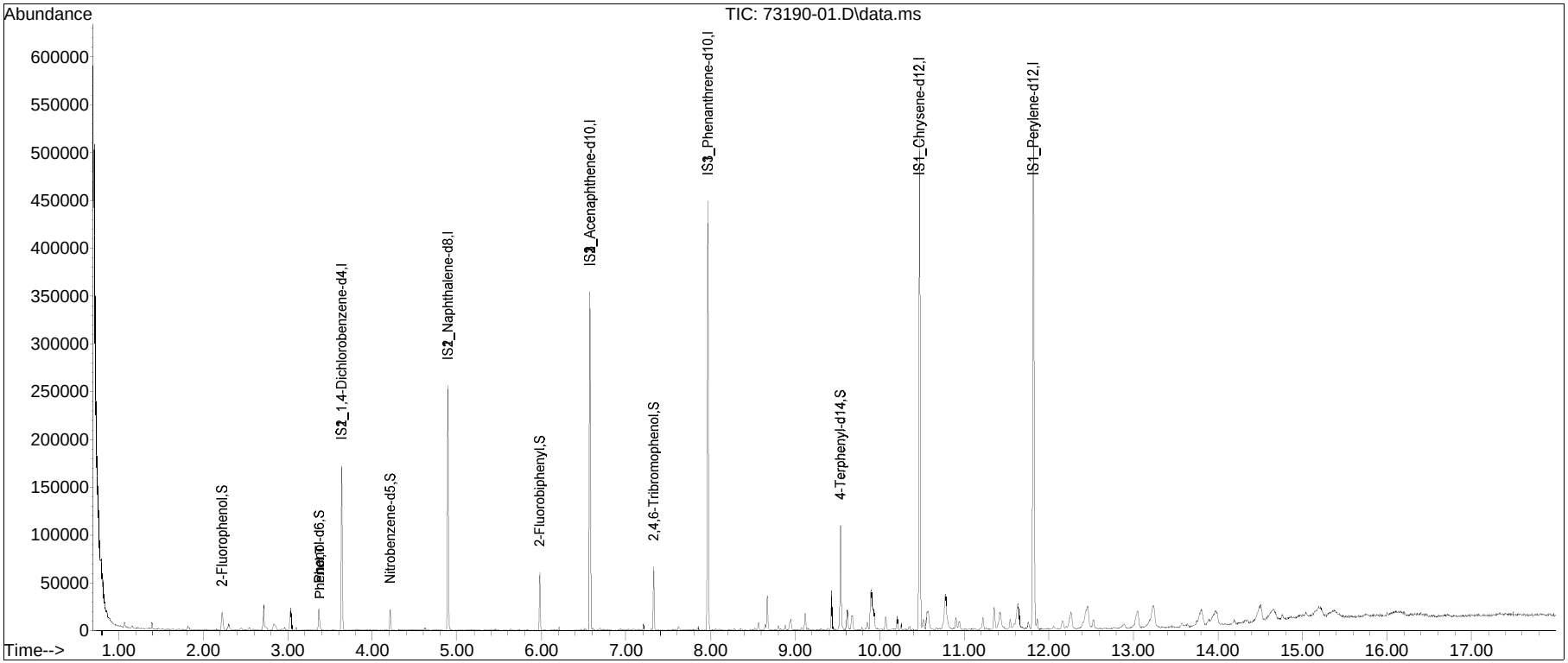
(#) = qualifier out of range (m) = manual integration (+) = signals summed

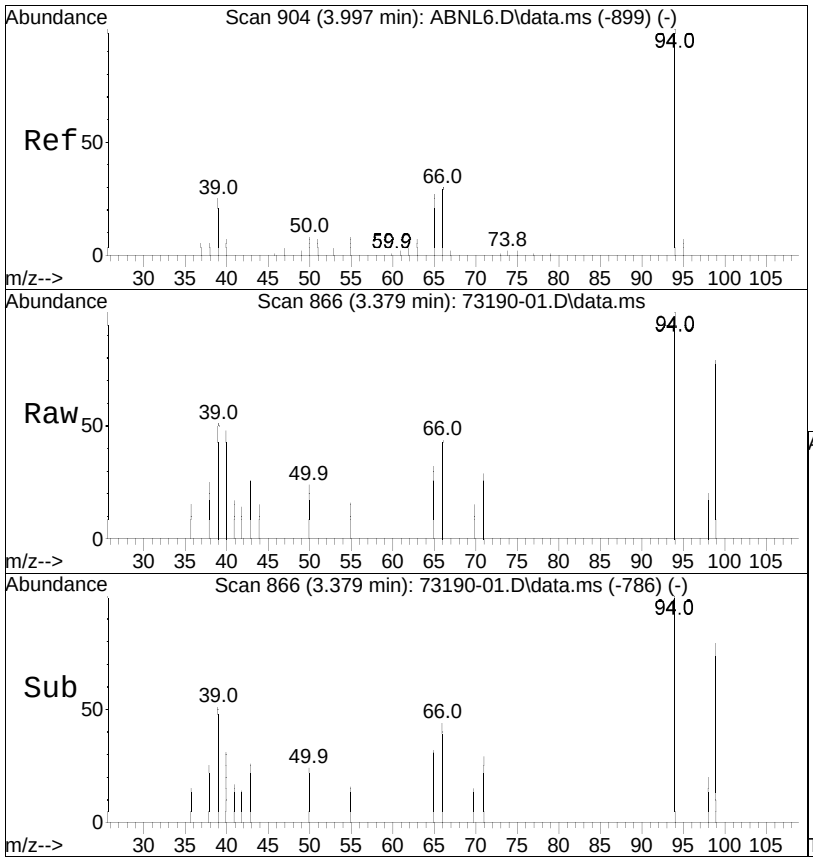
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-01.D
Acq On : 18 Dec 2024 3:22 am
Operator : Dakota:smz
Sample : L2473190-01,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 18 12:39:56 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•

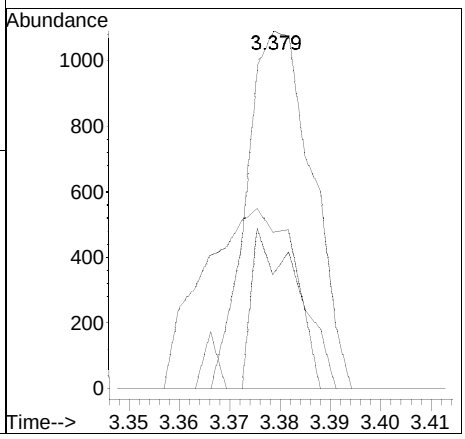




#8
Phenol
Concen: 0.11 ug/ml
RT: 3.379 min Scan# 866
Delta R.T. 0.000 min
Lab File: 73190-01.D
Acq: 18 Dec 2024 3:22 am

Tgt Ion: 94 Resp: 984

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	72.7	33.8	50.8#



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 73190-01.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 3:22 am	Instrument	: Dakota
Sample	: L2473190-01,32,,ASK	Quant Date	: 12/18/2024 3:40 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-02.D
Acq On : 18 Dec 2024 3:44 am
Operator : Dakota:smz
Sample : L2473190-02,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 18 12:40:59 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.633	152	26398	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 99.04%				
27) IS2_1,4-Dichlorobenzen...	3.633	152	26398	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 102.43%				
37) IS1_Naphthalene-d8	4.895	136	100771	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 94.85%				
57) IS2_Naphthalene-d8	4.895	136	100771	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 101.77%				
65) IS1_Acenaphthene-d10	6.574	164	67359	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 93.97%				
85) IS2_Acenaphthene-d10	6.574	164	67359	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 104.10%				
88) IS3_Acenaphthene-d10	6.574	164	67359	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 103.00%				
90) IS1_Phenanthrene-d10	7.966	188	149550	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 95.92%				
102) IS3_Phenanthrene-d10	7.966	188	149550	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 101.38%				
106) IS1_Chrysene-d12	10.471	240	169020	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 96.59%				
115) IS1_Perylene-d12	11.820	264	198321	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 96.66%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.225	112	6104	0.899	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.95%				
7) Phenol-d6	3.366	99	5703	0.656	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.80%				
19) Nitrobenzene-d5	4.211	82	5647	0.716	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.60%				
48) 2-Fluorobiphenyl	5.980	172	15468	0.620	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.00%				
81) 2,4,6-Tribromophenol	7.326	330	8214	1.706	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 85.30%				
98) 4-Terphenyl-d14	9.536	244	30779	0.711	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.10%				

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-02.D
Acq On : 18 Dec 2024 3:44 am
Operator : Dakota:smz
Sample : L2473190-02,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 18 12:40:59 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.382	94	2786	0.297	ug/ml	95
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	3.835	79	1931	0.315	ug/ml	93
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.	d	
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.	d	
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.	d	
39) Benzoic Acid	4.752	105	3907	0.681	ug/ml#	82
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	6.061	154	5292	0.250	ug/ml	95
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	6.772	168	22639	0.670	ug/ml	90
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.	d	

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-02.D
Acq On : 18 Dec 2024 3:44 am
Operator : Dakota:smz
Sample : L2473190-02,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 18 12:40:59 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.	d	
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	8.221	167	51586	1.296	ug/ml	97
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.	d	
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	10.676	149	3118	0.102	ug/ml#	94
111) Di-n-octylphthalate	0.000		0	N.D.	d	

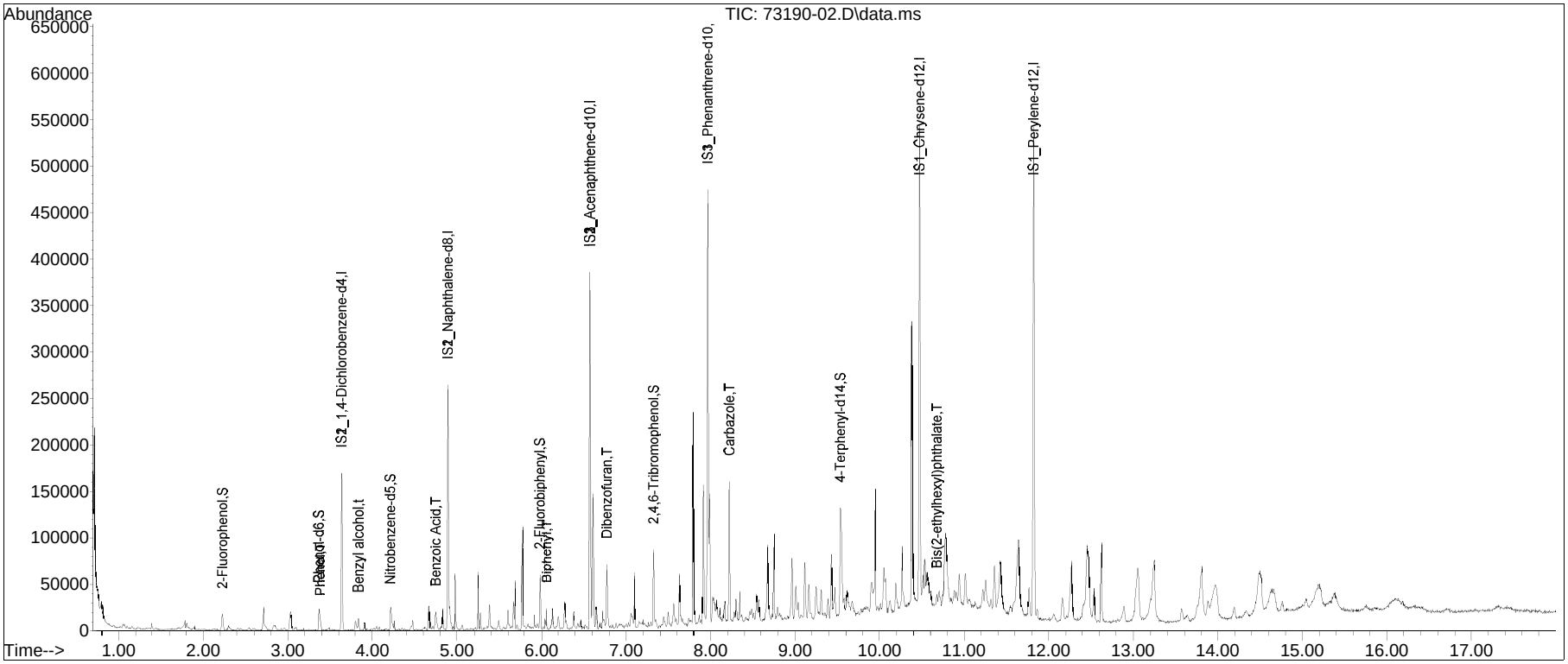
(#) = qualifier out of range (m) = manual integration (+) = signals summed

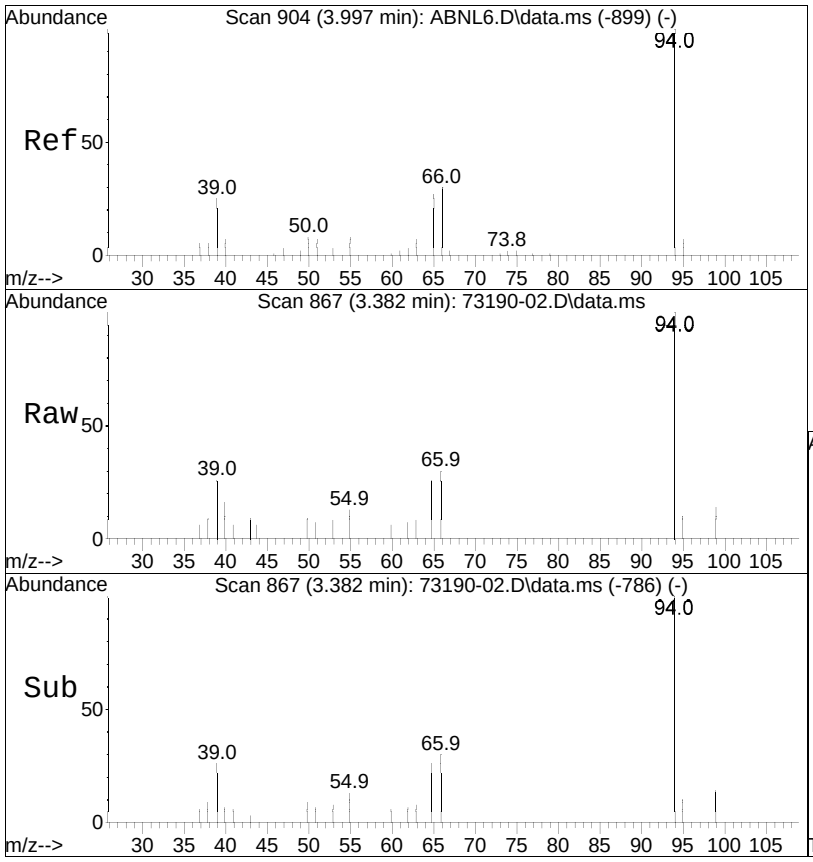
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-02.D
Acq On : 18 Dec 2024 3:44 am
Operator : Dakota:smz
Sample : L2473190-02,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 18 12:40:59 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•

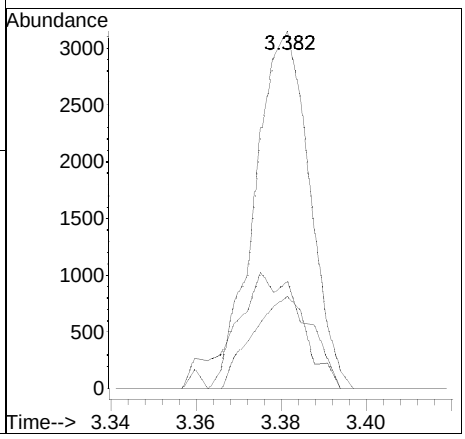


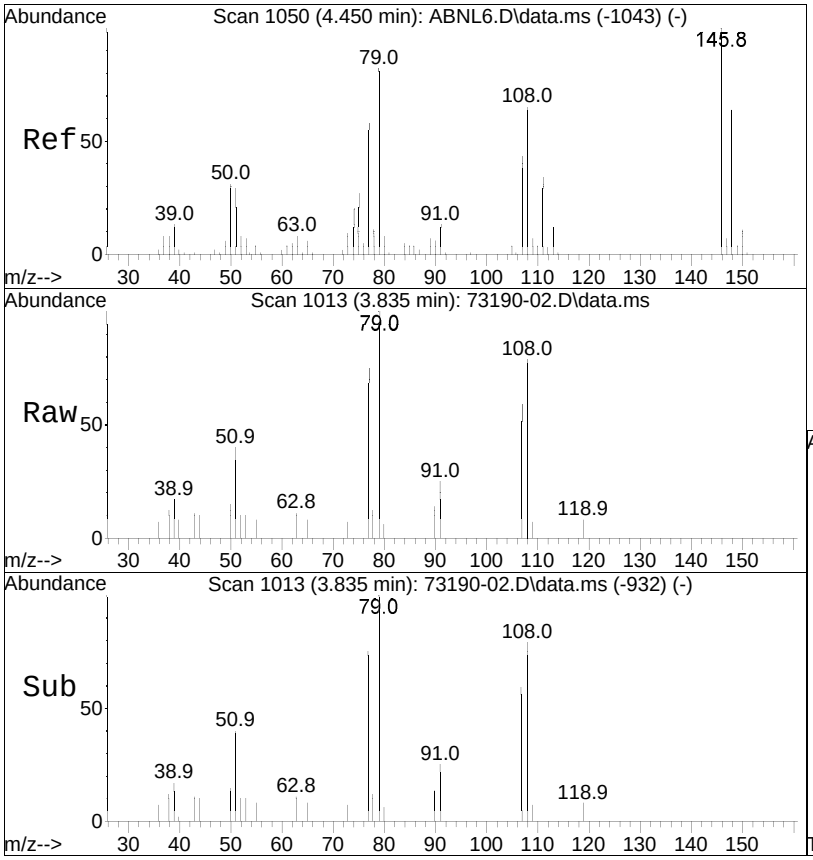


#8
Phenol
Concen: 0.30 ug/ml
RT: 3.382 min Scan# 867
Delta R.T. 0.003 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion: 94 Resp: 2786

Ion	Ratio	Lower	Upper
94	100		
65	26.5	26.0	39.0
66	42.3	33.8	50.8

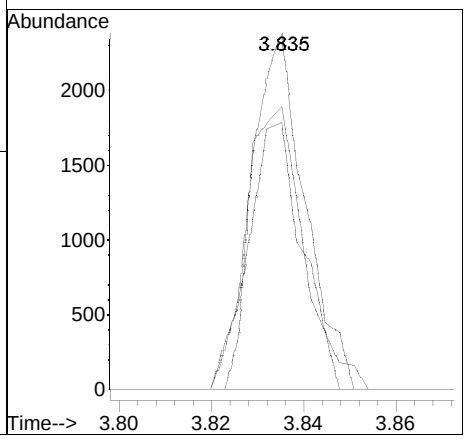


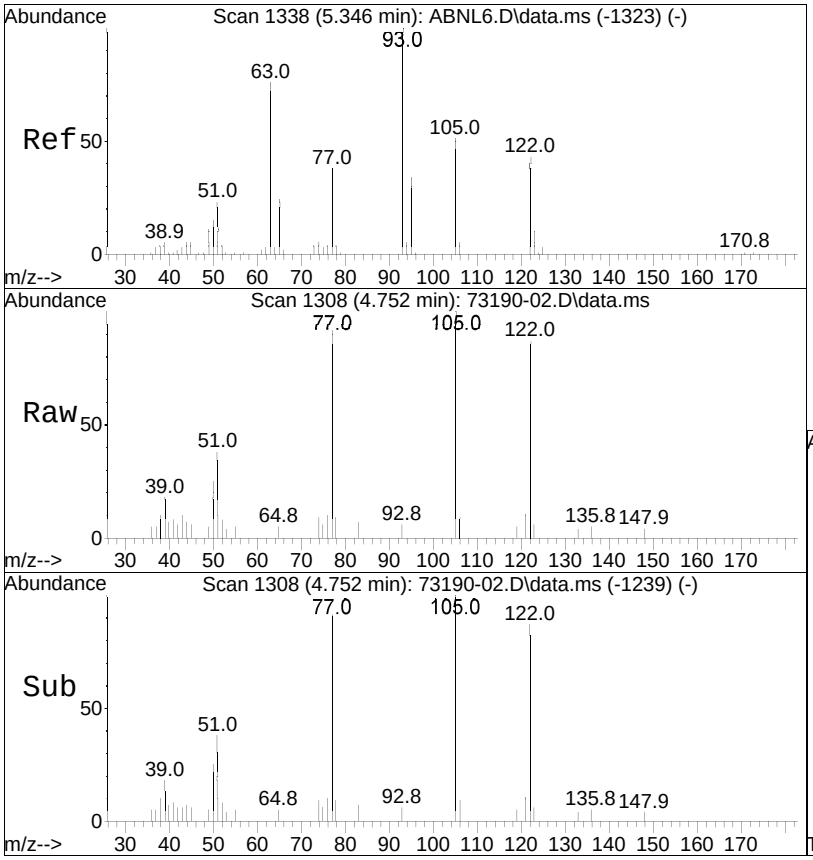


#13
Benzyl alcohol
Concen: 0.31 ug/ml
RT: 3.835 min Scan# 1013
Delta R.T. 0.003 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion: 79 Resp: 1931

Ion	Ratio	Lower	Upper
79	100		
77	78.4	54.9	82.3
108	76.9	63.1	94.7

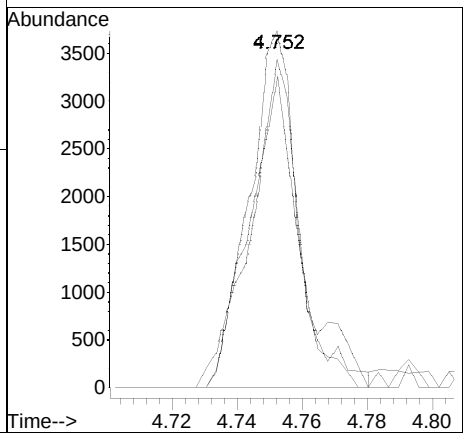


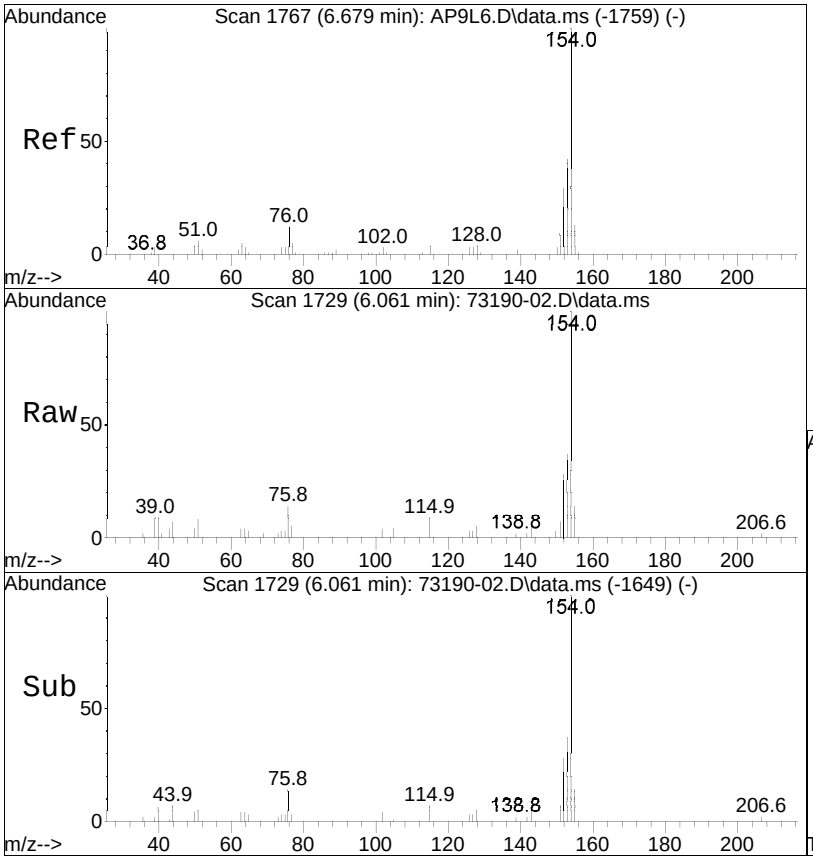


#39
Benzoic Acid
Concen: 0.68 ug/ml
RT: 4.752 min Scan# 1308
Delta R.T. -0.034 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion:105 Resp: 3907

Ion	Ratio	Lower	Upper
105	100		
122	84.9	59.9	89.9
77	96.0	60.1	90.1#

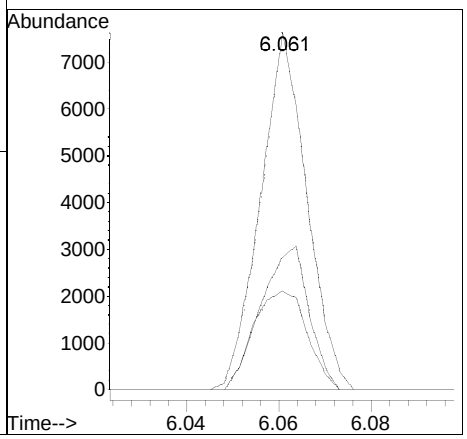


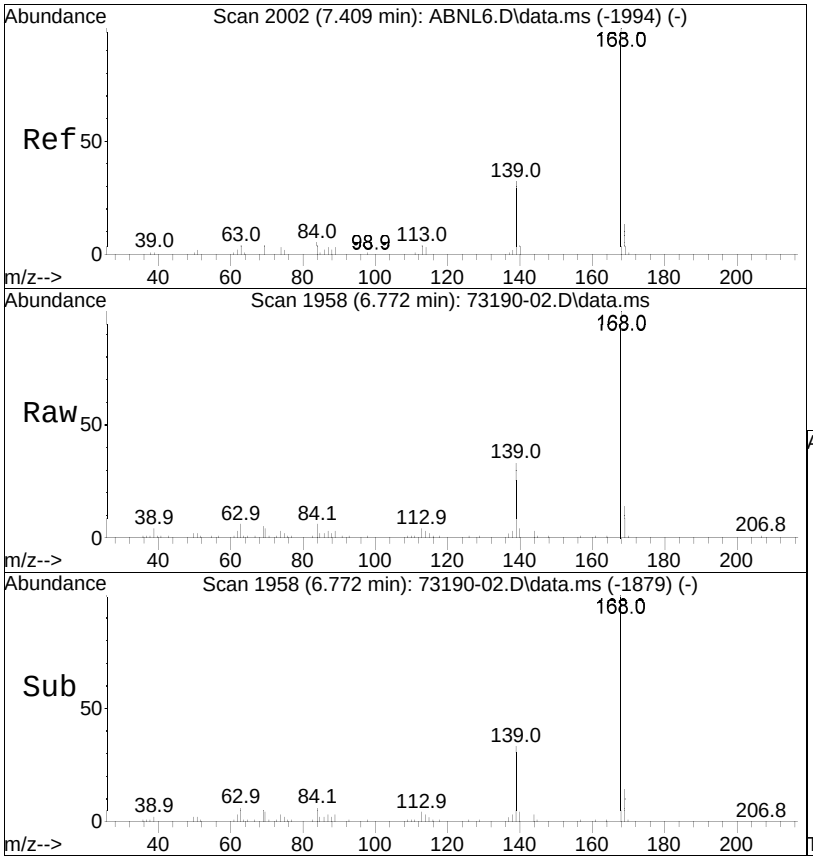


#64
Biphenyl
Concen: 0.25 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion:154 Resp: 5292

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.3	48.5
152	32.4	22.5	33.7

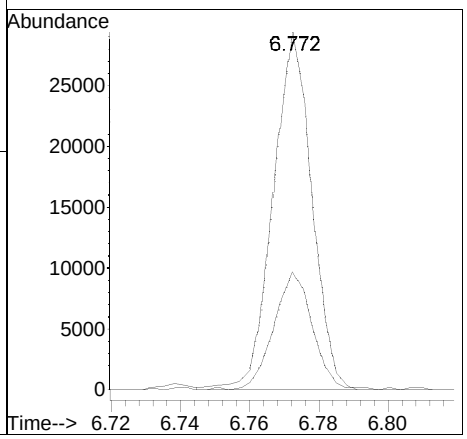


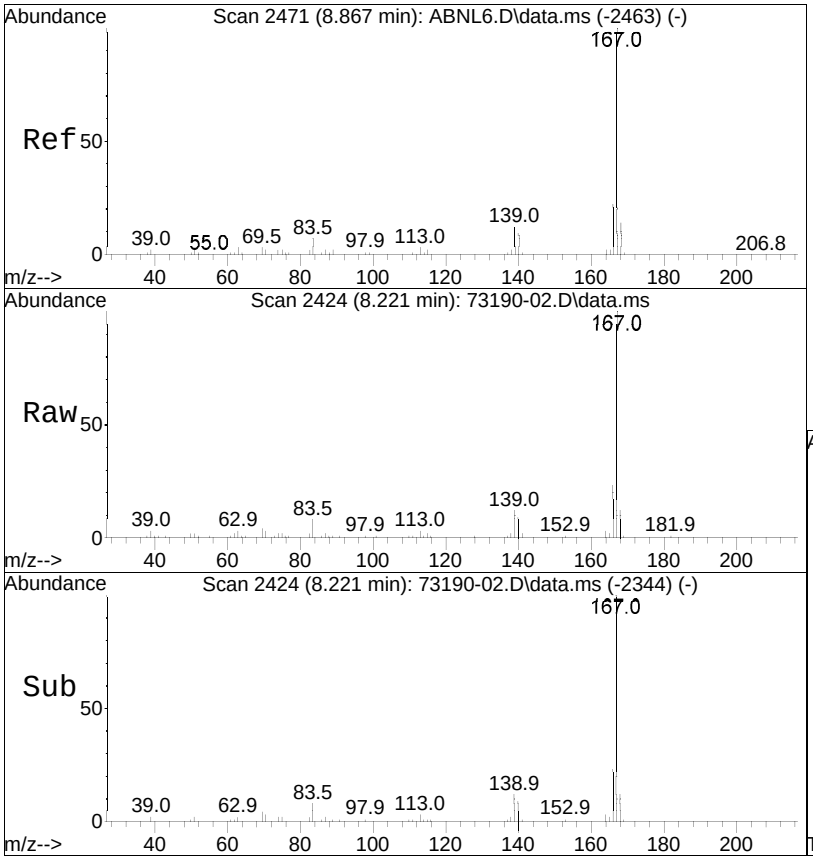


#69
Dibenzofuran
Concen: 0.67 ug/ml
RT: 6.772 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion:168 Resp: 22639

Ion	Ratio	Lower	Upper
168	100		
139	33.2	31.4	47.2

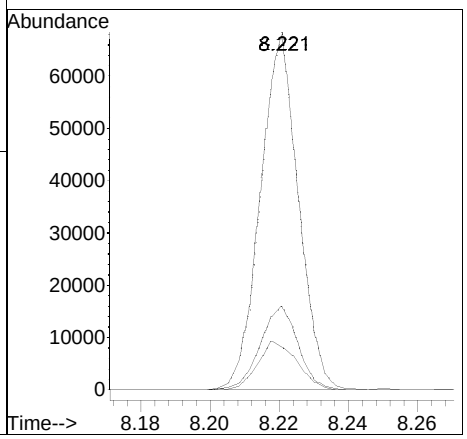


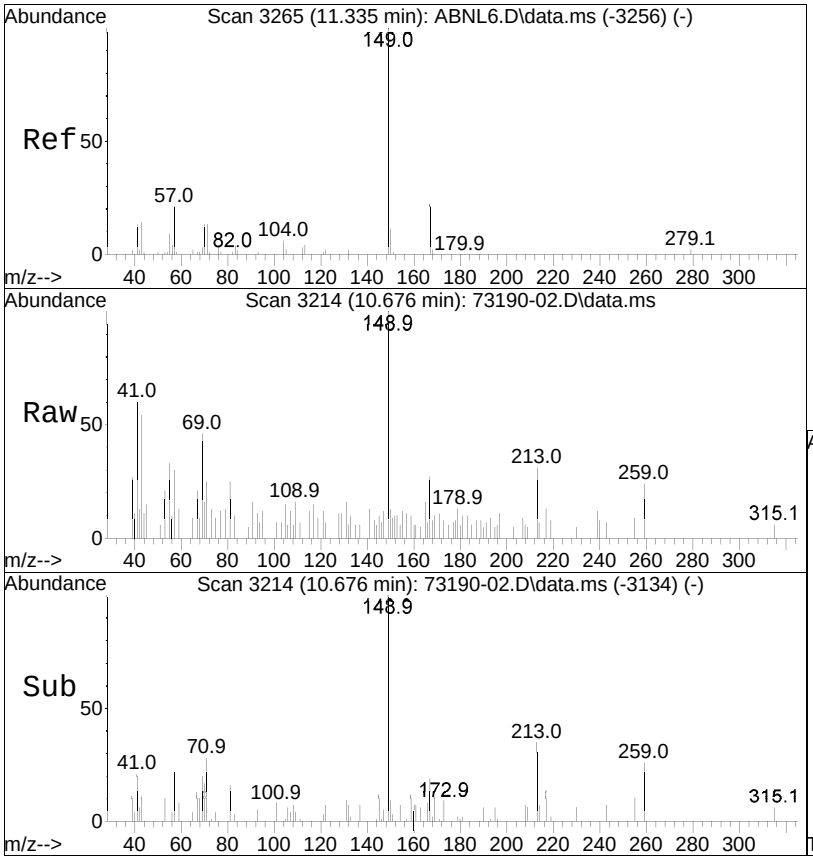


#93
Carbazole
Concen: 1.30 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion:167 Resp: 51586

Ion	Ratio	Lower	Upper
167	100		
168	14.2	10.6	15.8
166	23.4	17.4	26.0

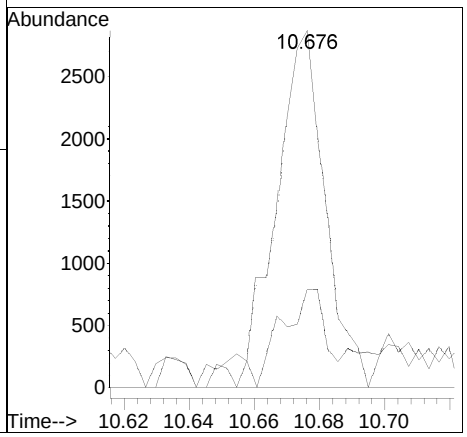




#110
Bis(2-ethylhexyl)phthalate
Concen: 0.10 ug/ml
RT: 10.676 min Scan# 3214
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 18 Dec 2024 3:44 am

Tgt Ion:149 Resp: 3118

Ion	Ratio	Lower	Upper
149	100		
167	25.1	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 73190-02.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 3:44 am	Instrument	: Dakota
Sample	: L2473190-02,32,,ASK	Quant Date	: 12/18/2024 4:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-03.D
Acq On : 18 Dec 2024 4:07 am
Operator : Dakota:smz
Sample : L2473190-03,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 12:41:22 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.636	152	26343	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 98.83%				
27) IS2_1,4-Dichlorobenzen...	3.636	152	26343	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 102.21%				
37) IS1_Naphthalene-d8	4.895	136	98618	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 92.82%				
57) IS2_Naphthalene-d8	4.895	136	98618	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 99.60%				
65) IS1_Acenaphthene-d10	6.574	164	63886	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 89.12%				
85) IS2_Acenaphthene-d10	6.574	164	63886	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 98.73%				
88) IS3_Acenaphthene-d10	6.574	164	63886	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 97.69%				
90) IS1_Phenanthrene-d10	7.966	188	143729	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 92.19%				
102) IS3_Phenanthrene-d10	7.966	188	143729	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 97.43%				
106) IS1_Chrysene-d12	10.471	240	165577	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 94.62%				
115) IS1_Perylene-d12	11.820	264	195852	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 95.45%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.222	112	5148	0.760	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.00%				
7) Phenol-d6	3.369	99	4913	0.566	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.30%				
19) Nitrobenzene-d5	4.214	82	4997	0.635	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.50%				
48) 2-Fluorobiphenyl	5.980	172	12895	0.528	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 52.80%				
81) 2,4,6-Tribromophenol	7.326	330	5851	1.281	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.05%				
98) 4-Terphenyl-d14	9.536	244	26513	0.637	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.70%				

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-03.D
Acq On : 18 Dec 2024 4:07 am
Operator : Dakota:smz
Sample : L2473190-03,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 12:41:22 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-03.D
Acq On : 18 Dec 2024 4:07 am
Operator : Dakota:smz
Sample : L2473190-03,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 12:41:22 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

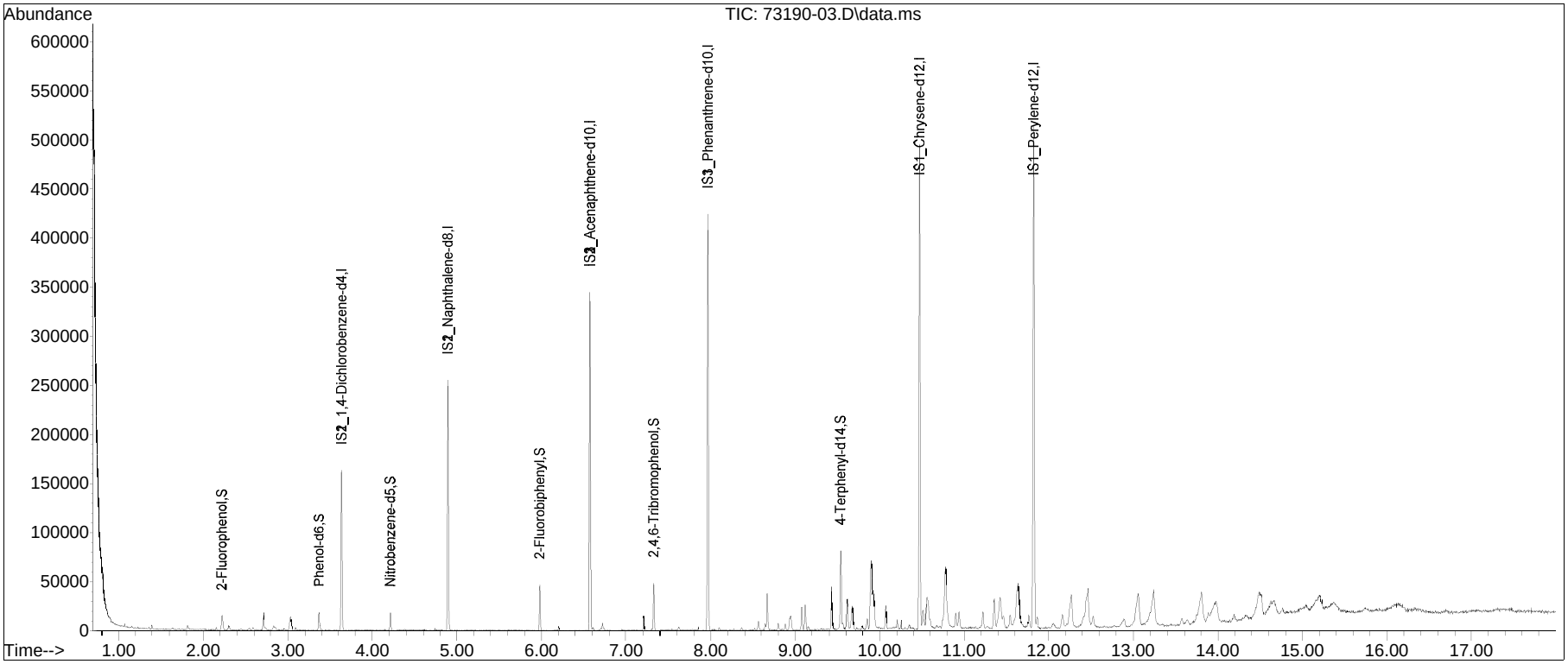
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-03.D
Acq On : 18 Dec 2024 4:07 am
Operator : Dakota:smz
Sample : L2473190-03,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 12:41:22 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 73190-03.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 4:07 am	Instrument	: Dakota
Sample	: L2473190-03,32,,ASK	Quant Date	: 12/18/2024 4:25 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 4:29 am
Operator : Dakota:smz
Sample : L2473190-04,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 18 12:41:48 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.633	152	26065	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 97.79%				
27) IS2_1,4-Dichlorobenzen...	3.633	152	26065	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 101.13%				
37) IS1_Naphthalene-d8	4.895	136	97686	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 91.95%				
57) IS2_Naphthalene-d8	4.895	136	97686	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 98.65%				
65) IS1_Acenaphthene-d10	6.574	164	64402	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 89.84%				
85) IS2_Acenaphthene-d10	6.574	164	64402	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 99.53%				
88) IS3_Acenaphthene-d10	6.574	164	64402	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 98.48%				
90) IS1_Phenanthrene-d10	7.966	188	146142	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 93.73%				
102) IS3_Phenanthrene-d10	7.966	188	146142	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 99.07%				
106) IS1_Chrysene-d12	10.471	240	165520	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 94.59%				
115) IS1_Perylene-d12	11.820	264	196396	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 95.72%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.225	112	6672	0.996	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.80%				
7) Phenol-d6	3.366	99	5749	0.670	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.50%				
19) Nitrobenzene-d5	4.214	82	6023	0.773	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.30%				
48) 2-Fluorobiphenyl	5.980	172	16111	0.666	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.60%				
81) 2,4,6-Tribromophenol	7.326	330	7426	1.613	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 80.65%				
98) 4-Terphenyl-d14	9.536	244	31016	0.733	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.30%				

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 4:29 am
Operator : Dakota:smz
Sample : L2473190-04,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 18 12:41:48 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.381	94	2197	0.237	ug/ml#	91
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 4:29 am
Operator : Dakota:smz
Sample : L2473190-04,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 18 12:41:48 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111)	Di-n-octylphthalate	0.000		0		N.D.	d

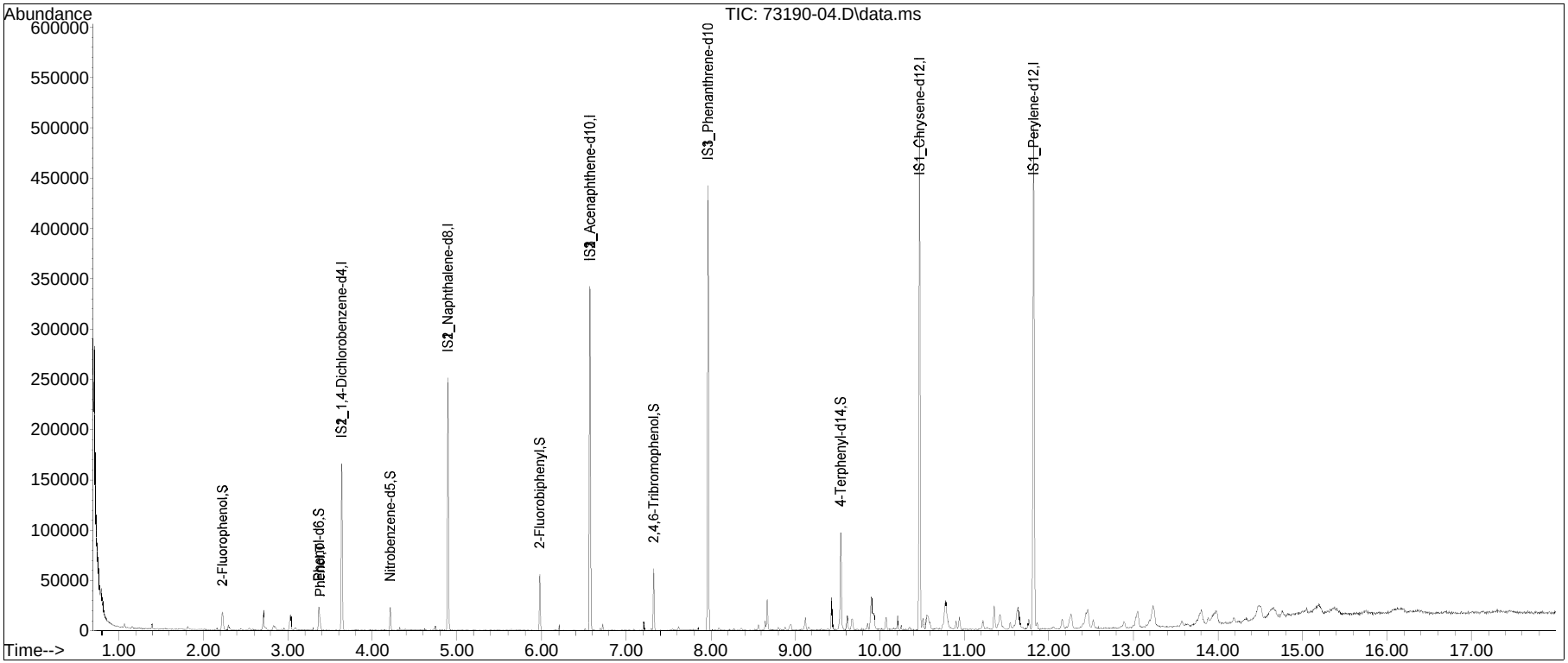
(#) = qualifier out of range (m) = manual integration (+) = signals summed

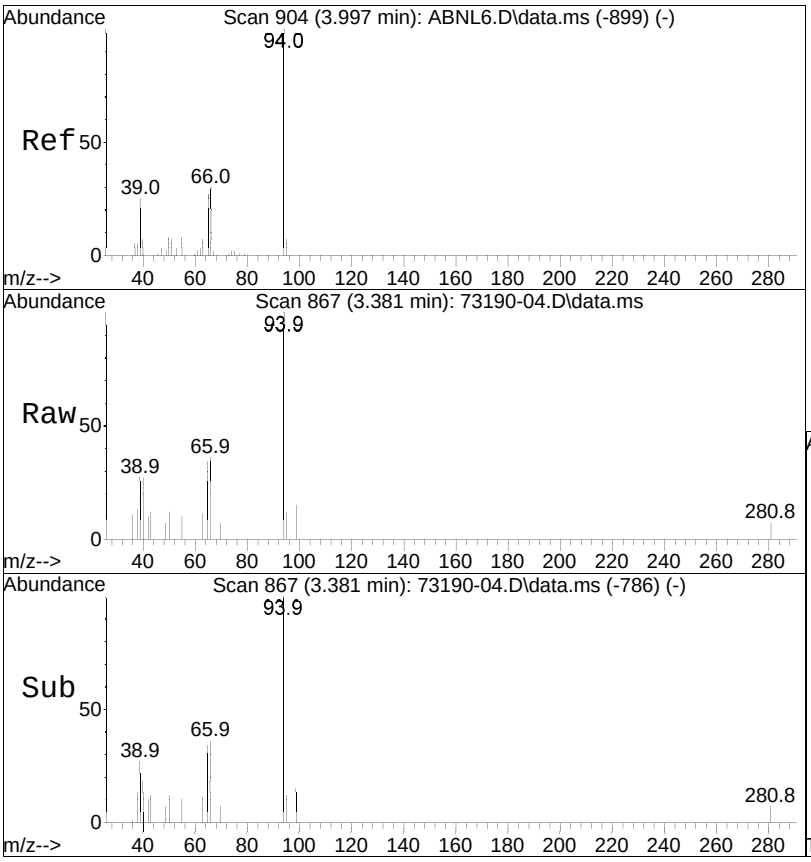
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 4:29 am
Operator : Dakota:smz
Sample : L2473190-04,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 18 12:41:48 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•

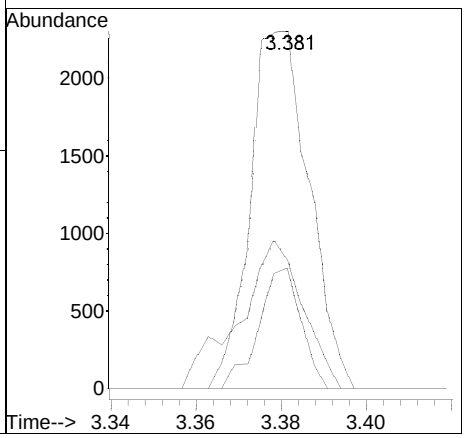




#8
Phenol
Concen: 0.24 ug/ml
RT: 3.381 min Scan# 867
Delta R.T. 0.003 min
Lab File: 73190-04.D
Acq: 18 Dec 2024 4:29 am

Tgt Ion: 94 Resp: 2197

Ion	Ratio	Lower	Upper
94	100		
65	24.4	26.0	39.0#
66	45.2	33.8	50.8



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 73190-04.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 4:29 am	Instrument	: Dakota
Sample	: L2473190-04,32,,ASK	Quant Date	: 12/18/2024 4:48 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 4:52 am
Operator : Dakota:smz
Sample : L2473190-05,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 12:42:39 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.633	152	26094	4.000	ug/ml	0.00
Standard Area 1 = 26655			Recovery = 97.90%			
27) IS2_1,4-Dichlorobenzen...	3.633	152	26094	4.000	ug/ml	0.00
Standard Area 3 = 25773			Recovery = 101.25%			
37) IS1_Naphthalene-d8	4.895	136	99034	4.000	ug/ml	# 0.00
Standard Area 1 = 106241			Recovery = 93.22%			
57) IS2_Naphthalene-d8	4.895	136	99034	4.000	ug/ml	# 0.00
Standard Area 3 = 99018			Recovery = 100.02%			
65) IS1_Acenaphthene-d10	6.574	164	66444	4.000	ug/ml	0.00
Standard Area 1 = 71683			Recovery = 92.69%			
85) IS2_Acenaphthene-d10	6.574	164	66444	4.000	ug/ml	0.00
Standard Area 3 = 64706			Recovery = 102.69%			
88) IS3_Acenaphthene-d10	6.574	164	66444	4.000	ug/ml	0.00
Standard Area 2 = 65397			Recovery = 101.60%			
90) IS1_Phenanthrene-d10	7.966	188	145854	4.000	ug/ml	# 0.00
Standard Area 1 = 155913			Recovery = 93.55%			
102) IS3_Phenanthrene-d10	7.966	188	145854	4.000	ug/ml	# 0.00
Standard Area 2 = 147521			Recovery = 98.87%			
106) IS1_Chrysene-d12	10.471	240	167621	4.000	ug/ml	0.00
Standard Area 1 = 174995			Recovery = 95.79%			
115) IS1_Perylene-d12	11.820	264	195619	4.000	ug/ml	0.00
Standard Area 1 = 205184			Recovery = 95.34%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.225	112	7376	1.100	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 55.00%			
7) Phenol-d6	3.366	99	6250	0.727	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.35%			
19) Nitrobenzene-d5	4.211	82	6541	0.839	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.90%			
48) 2-Fluorobiphenyl	5.980	172	17029	0.695	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.50%			
81) 2,4,6-Tribromophenol	7.326	330	8493	1.788	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 89.40%			
98) 4-Terphenyl-d14	9.536	244	33041	0.783	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.30%			

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 4:52 am
Operator : Dakota:smz
Sample : L2473190-05,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 12:42:39 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.382	94	2988	0.322	ug/ml	95
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	3.835	79	2360	0.389	ug/ml	95
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.	d	
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.	d	
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.	d	
39) Benzoic Acid	4.758	105	5747	1.019	ug/ml#	79
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	6.061	154	5118	0.246	ug/ml	98
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	6.773	168	20401	0.612	ug/ml	94
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 4:52 am
Operator : Dakota:smz
Sample : L2473190-05,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 12:42:39 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.	d	
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	8.221	167	53213	1.371	ug/ml	98
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.	d	
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

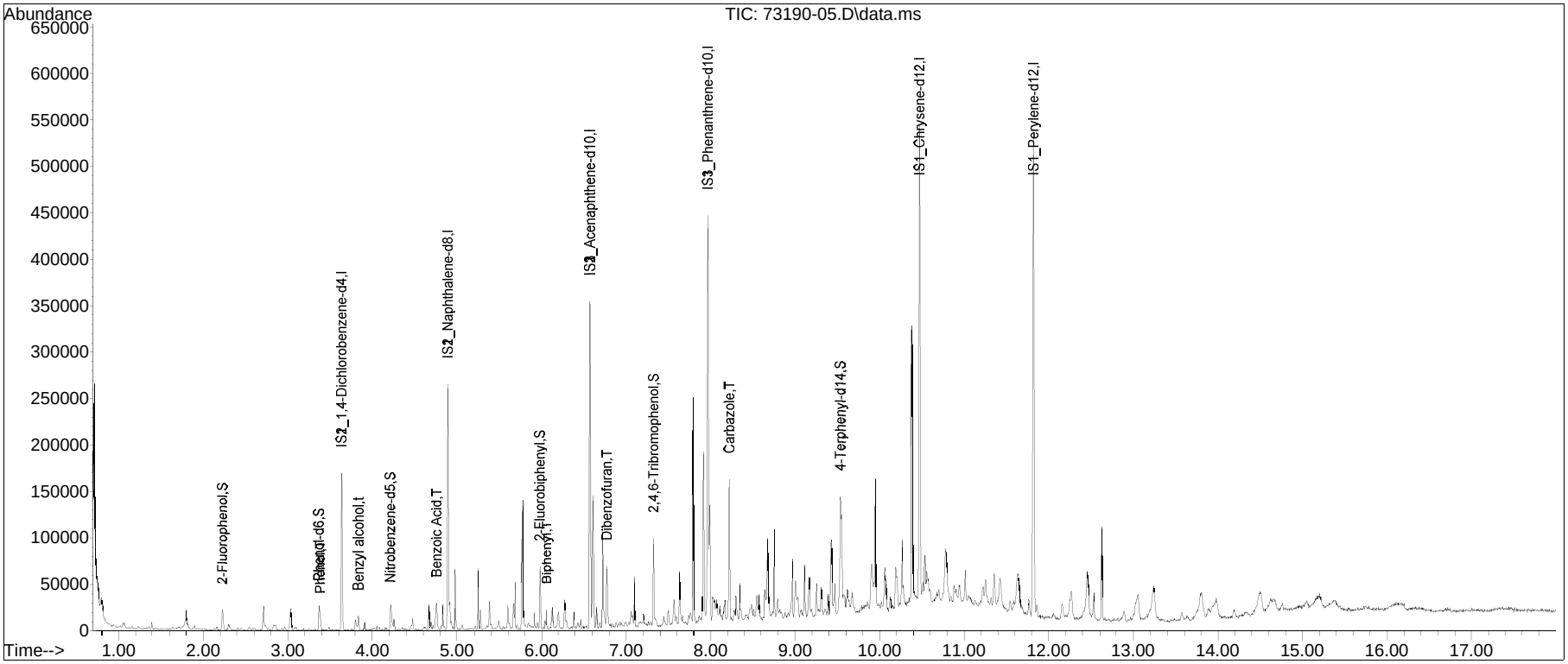
(#) = qualifier out of range (m) = manual integration (+) = signals summed

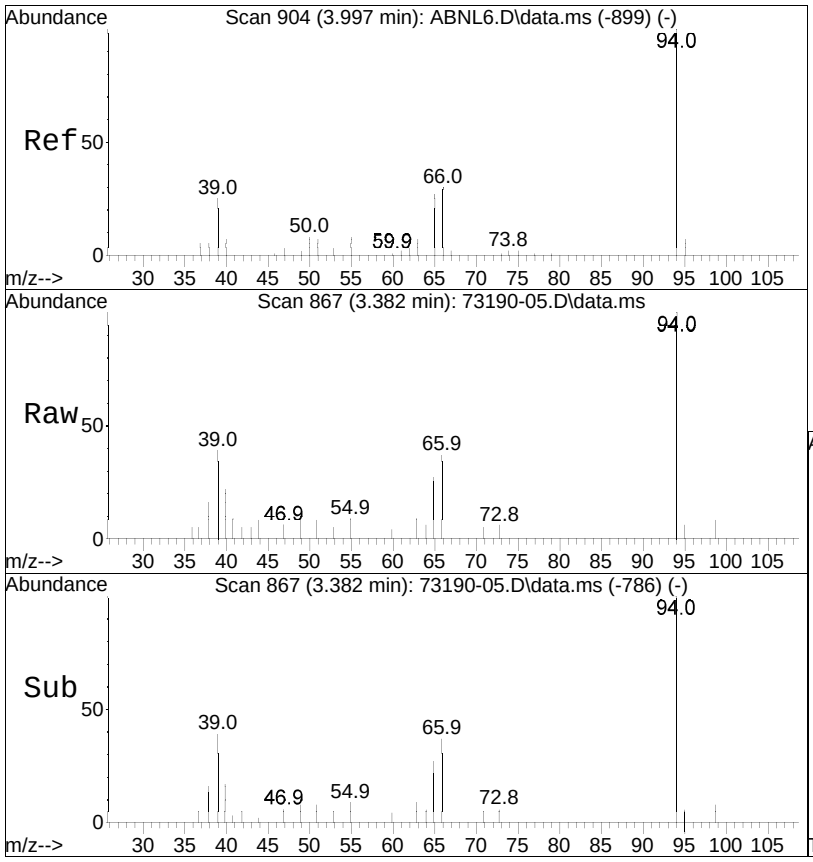
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 4:52 am
Operator : Dakota:smz
Sample : L2473190-05,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 12:42:39 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•

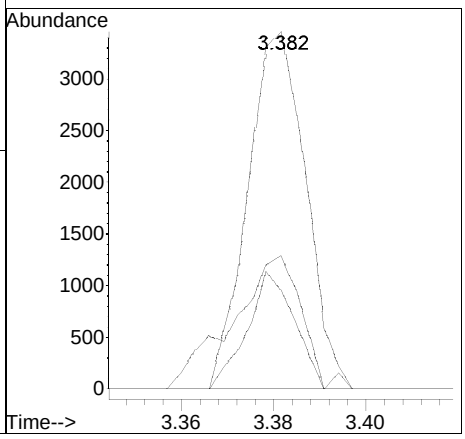


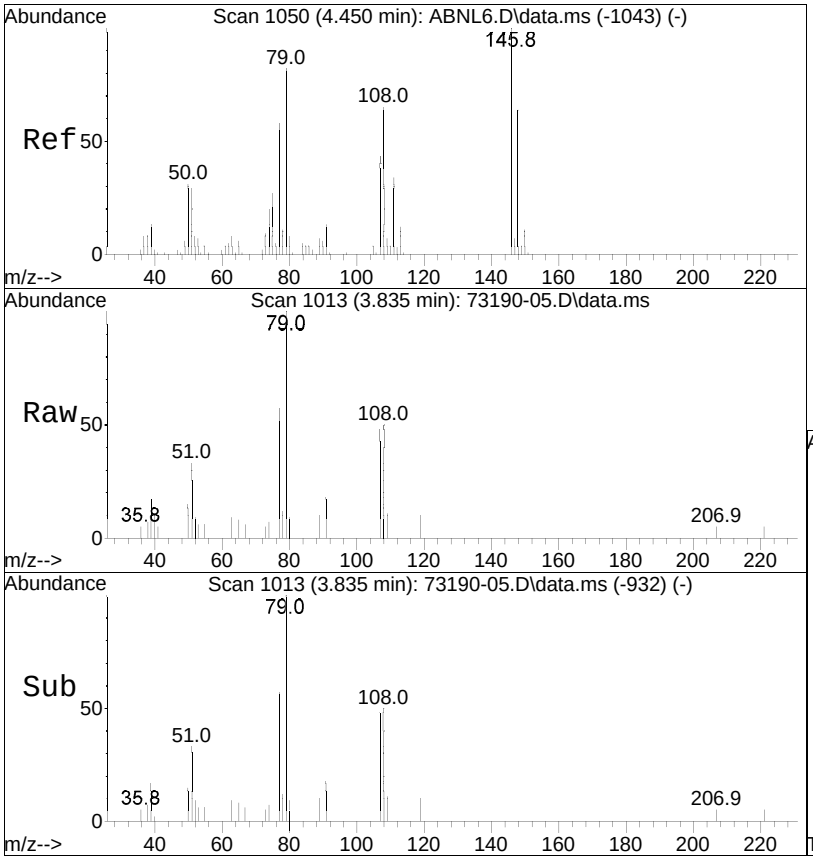


#8
Phenol
Concen: 0.32 ug/ml
RT: 3.382 min Scan# 867
Delta R.T. 0.003 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 4:52 am

Tgt Ion: 94 Resp: 2988

Ion	Ratio	Lower	Upper
94	100		
65	27.8	26.0	39.0
66	43.9	33.8	50.8

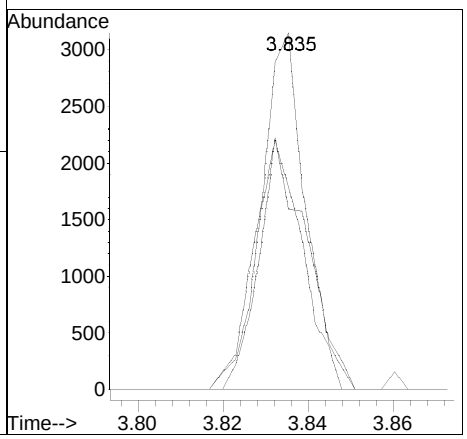


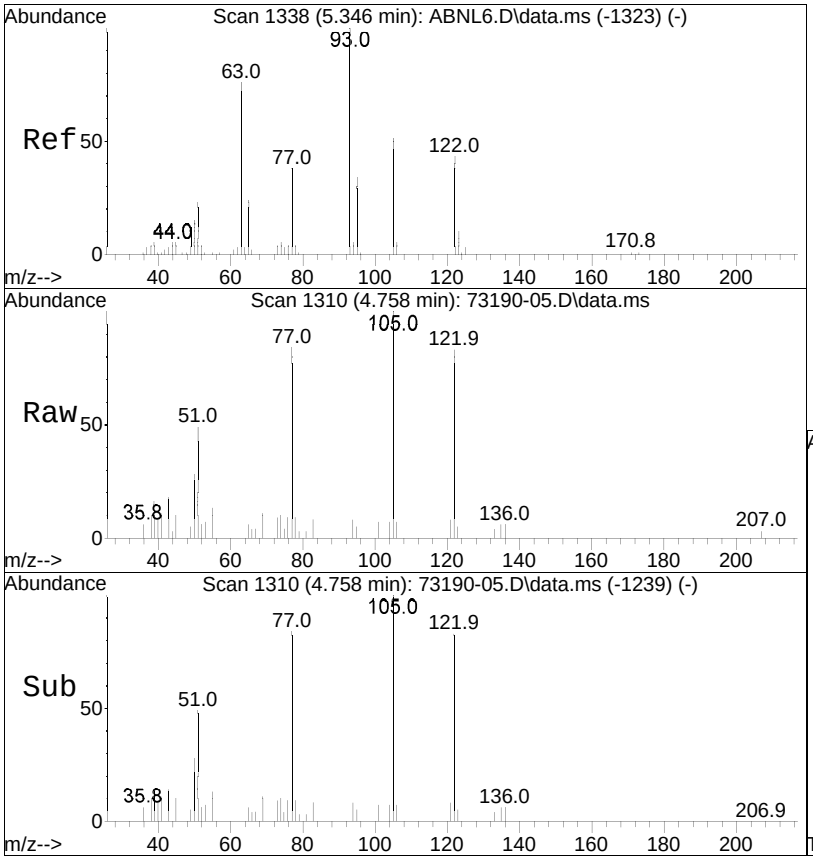


#13
Benzyl alcohol
Concen: 0.39 ug/ml
RT: 3.835 min Scan# 1013
Delta R.T. 0.003 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 4:52 am

Tgt Ion: 79 Resp: 2360

Ion	Ratio	Lower	Upper
79	100		
77	71.7	54.9	82.3
108	73.4	63.1	94.7

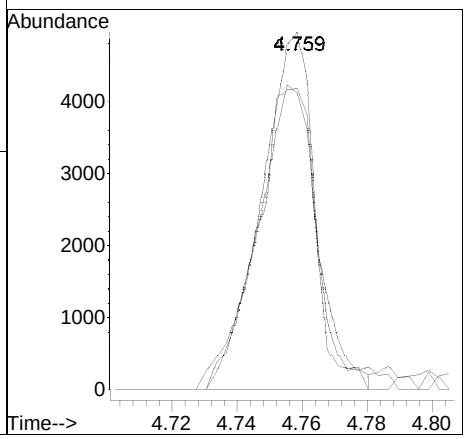


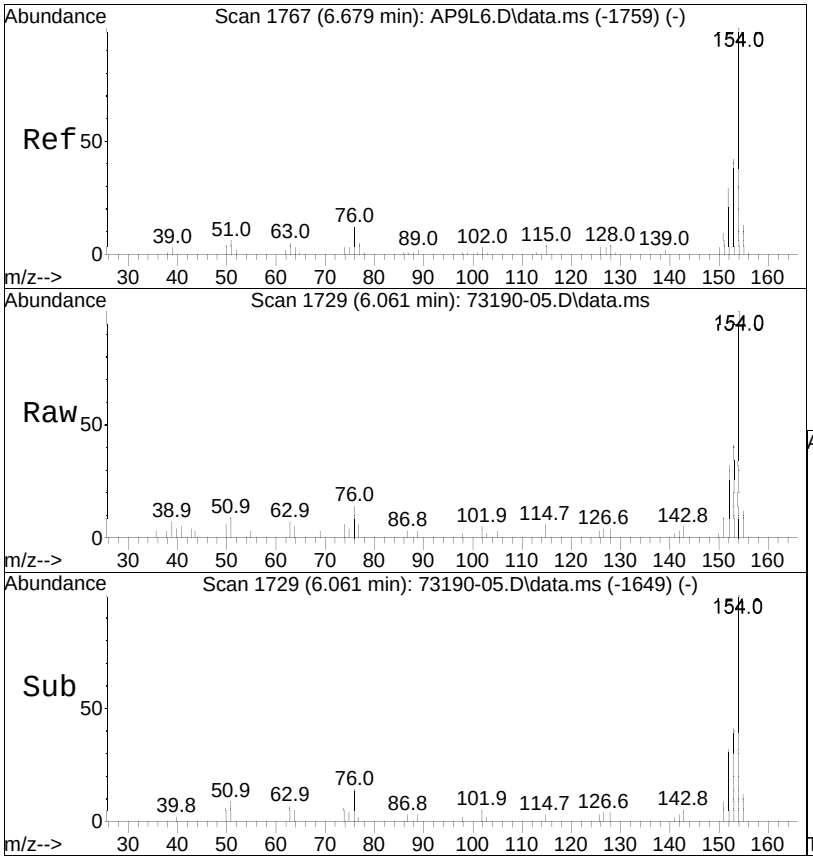


#39
Benzoic Acid
Concen: 1.02 ug/ml
RT: 4.758 min Scan# 1310
Delta R.T. -0.028 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 4:52 am

Tgt Ion:105 Resp: 5747

Ion	Ratio	Lower	Upper
105	100		
122	88.0	59.9	89.9
77	97.7	60.1	90.1#

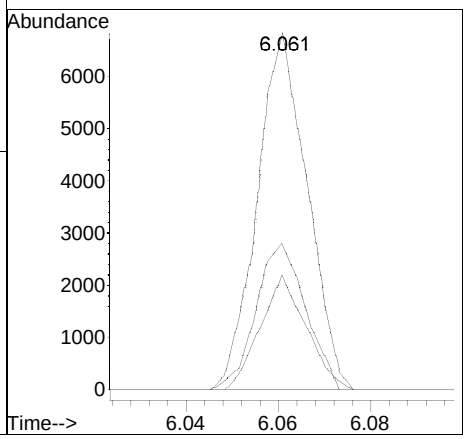


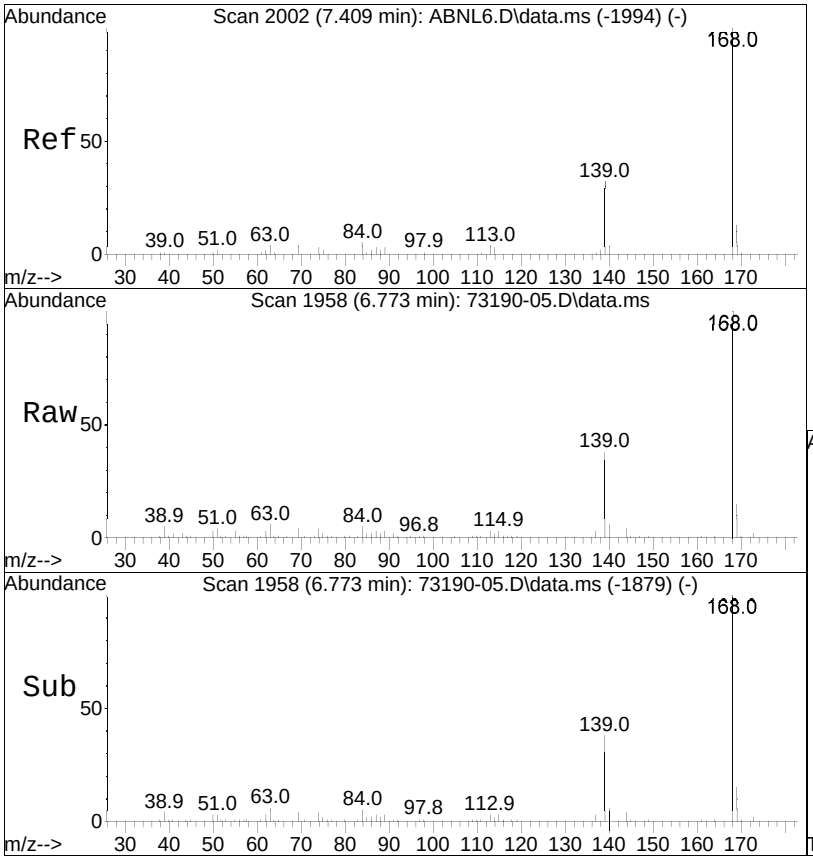


#64
Biphenyl
Concen: 0.25 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. 0.000 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 4:52 am

Tgt Ion:154 Resp: 5118

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.3	48.5
152	29.7	22.5	33.7

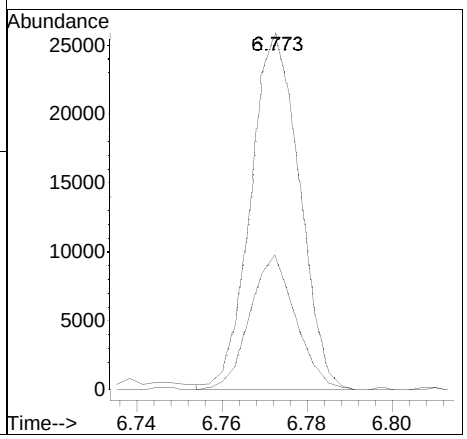


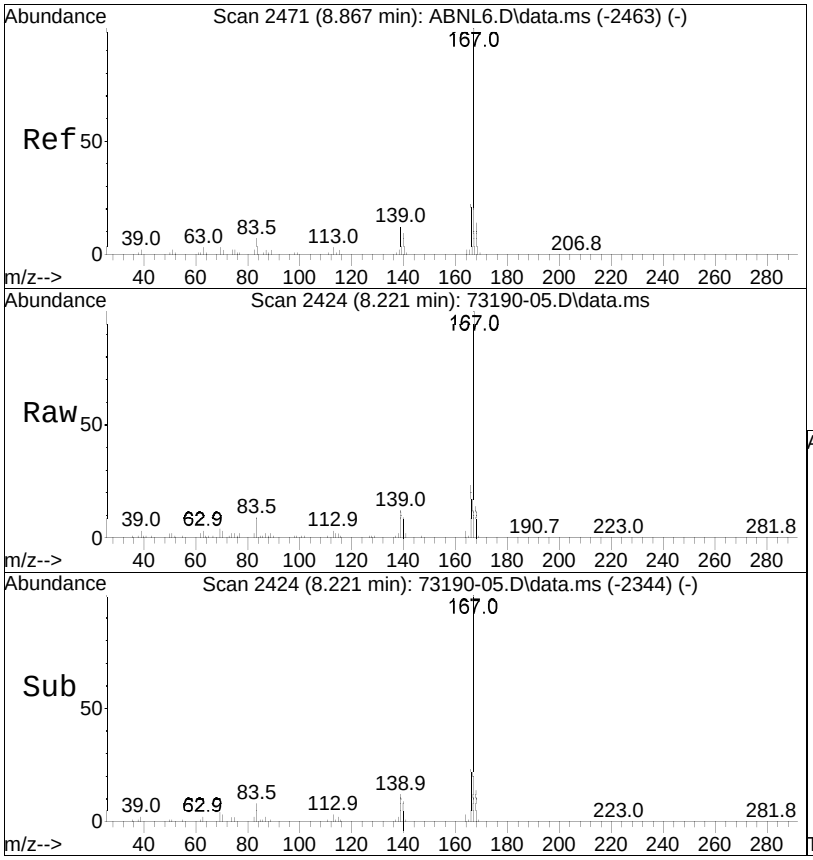


#69
Dibenzofuran
Concen: 0.61 ug/ml
RT: 6.773 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 4:52 am

Tgt Ion:168 Resp: 20401

Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.4	47.2

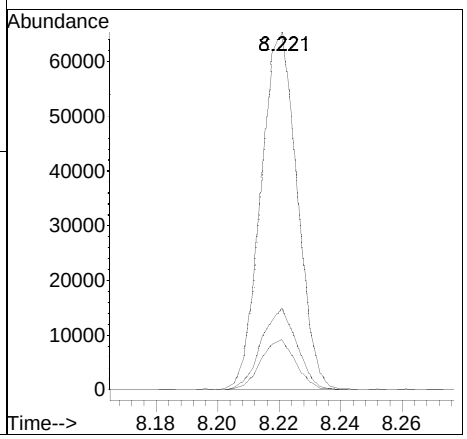




#93
Carbazole
Concen: 1.37 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. 0.000 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 4:52 am

Tgt Ion:167 Resp: 53213

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	22.7	17.4	26.0



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 73190-05.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 4:52 am	Instrument	: Dakota
Sample	: L2473190-05,32,,ASK	Quant Date	: 12/18/2024 5:10 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : 73190-06.D
Acq On : 19 Dec 2024 1:54 am
Operator : Dakota:im
Sample : L2473190-06,32,,RE,ASK
Misc : WG2011025,WG2010761,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:41:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241218NRVT\ABN1218n.D
: 2 - I:\8270\Dakota\241218NRVT\ADP1218n.D
: 3 - I:\8270\Dakota\241218NRVT\AP91218n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.630	152	22454	4.000	ug/ml	0.00
Standard Area 1 = 26398			Recovery = 85.06%			
27) IS2_1,4-Dichlorobenzen...	3.630	152	22454	4.000	ug/ml	0.00
Standard Area 3 = 24549			Recovery = 91.47%			
37) IS1_Naphthalene-d8	4.892	136	87271	4.000	ug/ml	# 0.00
Standard Area 1 = 102471			Recovery = 85.17%			
57) IS2_Naphthalene-d8	4.892	136	87271	4.000	ug/ml	# 0.00
Standard Area 3 = 95614			Recovery = 91.27%			
65) IS1_Acenaphthene-d10	6.574	164	56787	4.000	ug/ml	0.00
Standard Area 1 = 68910			Recovery = 82.41%			
85) IS2_Acenaphthene-d10	6.574	164	56787	4.000	ug/ml	0.00
Standard Area 3 = 61894			Recovery = 91.75%			
88) IS3_Acenaphthene-d10	6.574	164	56787	4.000	ug/ml	0.00
Standard Area 2 = 61908			Recovery = 91.73%			
90) IS1_Phenanthrene-d10	7.963	188	124906	4.000	ug/ml	0.00
Standard Area 1 = 148471			Recovery = 84.13%			
102) IS3_Phenanthrene-d10	7.963	188	124906	4.000	ug/ml	0.00
Standard Area 2 = 139803			Recovery = 89.34%			
106) IS1_Chrysene-d12	10.465	240	139105	4.000	ug/ml	0.00
Standard Area 1 = 168085			Recovery = 82.76%			
115) IS1_Perylene-d12	11.817	264	165074	4.000	ug/ml	0.00
Standard Area 1 = 196799			Recovery = 83.88%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.219	112	4992	0.865	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.25%			
7) Phenol-d6	3.363	99	4645	0.628	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.40%			
19) Nitrobenzene-d5	4.211	82	4967	0.740	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.00%			
48) 2-Fluorobiphenyl	5.977	172	13499	0.625	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.50%			
81) 2,4,6-Tribromophenol	7.326	330	5979	1.473	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 73.65%			
98) 4-Terphenyl-d14	9.536	244	25536	0.707	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.70%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : 73190-06.D
Acq On : 19 Dec 2024 1:54 am
Operator : Dakota:im
Sample : L2473190-06,32,,RE,ASK
Misc : WG2011025,WG2010761,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:41:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241218NRVT\ABN1218n.D
: 2 - I:\8270\Dakota\241218NRVT\ADP1218n.D
: 3 - I:\8270\Dakota\241218NRVT\AP91218n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.372	94	991	0.124	ug/ml#	66
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	4.743	105	812	0.163	ug/ml#	81
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241218NRVT\
Data File : 73190-06.D
Acq On : 19 Dec 2024 1:54 am
Operator : Dakota:im
Sample : L2473190-06,32,,RE,ASK
Misc : WG2011025,WG2010761,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:41:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241218NRVT\ABN1218n.D
: 2 - I:\8270\Dakota\241218NRVT\ADP1218n.D
: 3 - I:\8270\Dakota\241218NRVT\AP91218n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77)	4-Nitroaniline	0.000		0	N.D.		
78)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.		
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

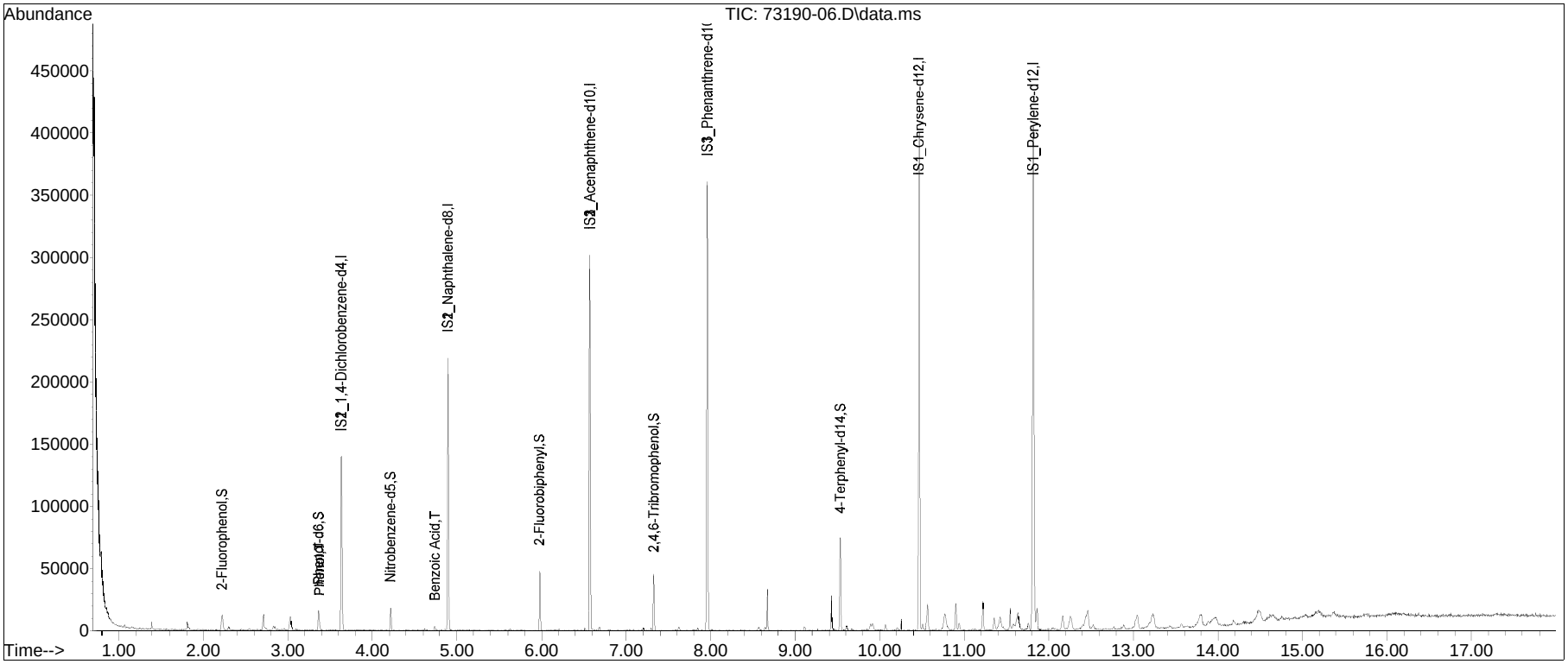
(#) = qualifier out of range (m) = manual integration (+) = signals summed

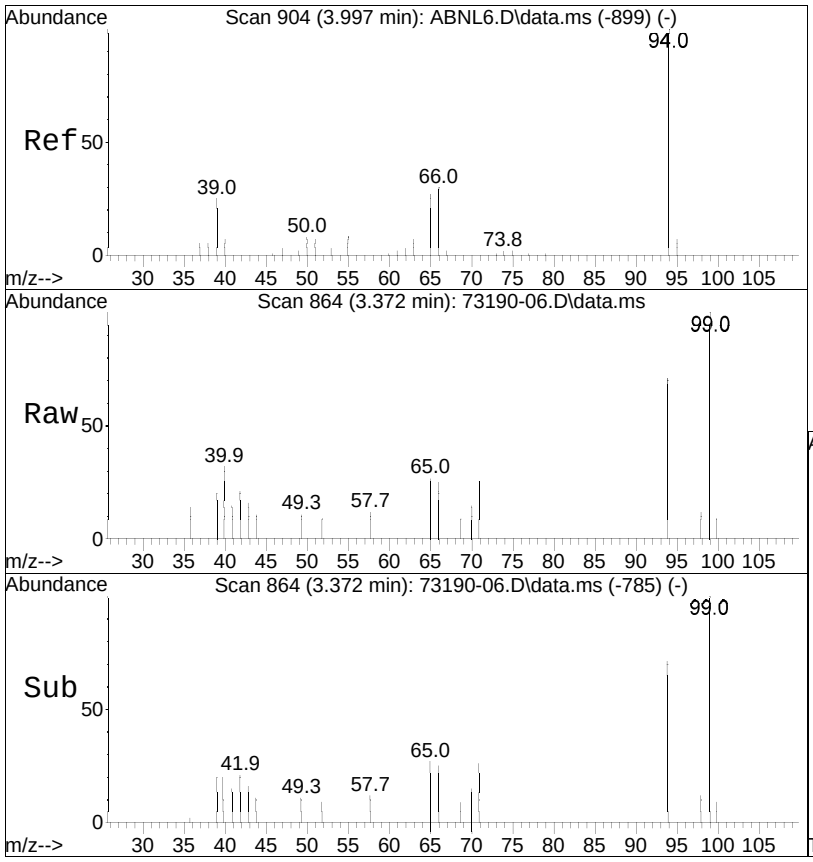
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : 73190-06.D
Acq On : 19 Dec 2024 1:54 am
Operator : Dakota:im
Sample : L2473190-06,32,,RE,ASK
Misc : WG2011025,WG2010761,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:41:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:14 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91218n.D•

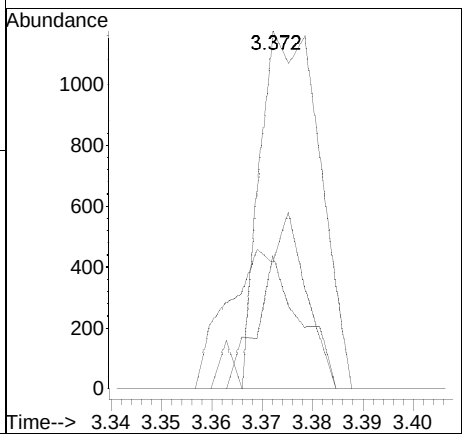


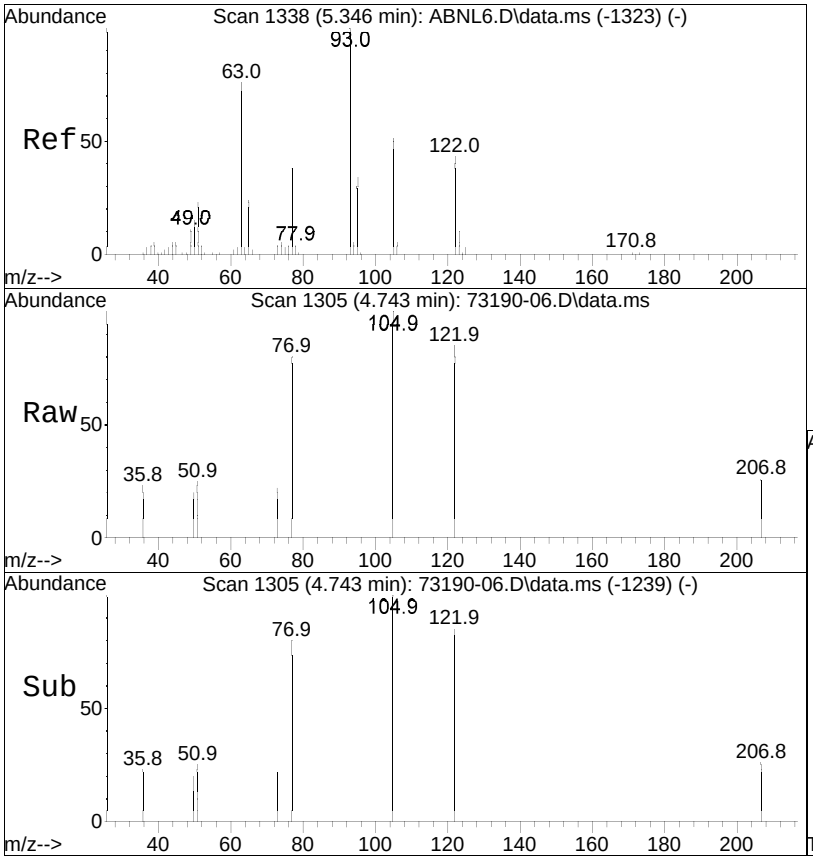


#8
Phenol
Concen: 0.12 ug/ml
RT: 3.372 min Scan# 864
Delta R.T. -0.003 min
Lab File: 73190-06.D
Acq: 19 Dec 2024 1:54 am

Tgt Ion: 94 Resp: 991

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	52.1	33.8	50.8#

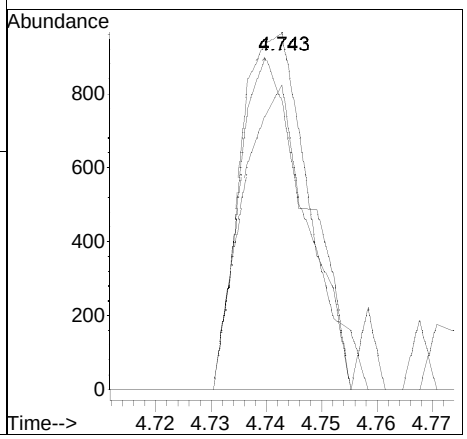




#39
Benzoic Acid
Concen: 0.16 ug/ml
RT: 4.743 min Scan# 1305
Delta R.T. -0.043 min
Lab File: 73190-06.D
Acq: 19 Dec 2024 1:54 am

Tgt Ion:105 Resp: 812

Ion	Ratio	Lower	Upper
105	100		
122	85.3	59.9	89.9
77	97.4	60.1	90.1#



Manual Integration Report

Data Path	: I:\8270\Dakota\241218NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 73190-06.D	Operator	: Dakota:im
Date Inj'd	: 12/19/2024 1:54 am	Instrument	: Dakota
Sample	: L2473190-06,32,,RE,ASK	Quant Date	: 12/19/2024 2:12 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-08.D
Acq On : 19 Dec 2024 5:02 pm
Operator : SV106:smz
Sample : L2473190-08,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 09:40:45 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.640	152	66683	4.000	ug/ml	0.00
Standard Area 1 = 59785			Recovery = 111.54%			
27) IS2_1,4-Dichlorobenzen...	6.640	152	66683	4.000	ug/ml	0.00
Standard Area 3 = 57436			Recovery = 116.10%			
35) IS1_Naphthalene-d8	8.045	136	250238	4.000	ug/ml	0.00
Standard Area 1 = 236263			Recovery = 105.92%			
55) IS2_Naphthalene-d8	8.045	136	250238	4.000	ug/ml	0.00
Standard Area 3 = 223802			Recovery = 111.81%			
63) IS1_Acenaphthene-d10	9.804	164	148416	4.000	ug/ml	0.00
Standard Area 1 = 135584			Recovery = 109.46%			
83) IS2_Acenaphthene-d10	9.804	164	148416	4.000	ug/ml	0.00
Standard Area 3 = 135210			Recovery = 109.77%			
86) IS3_Acenaphthene-d10	9.804	164	148416	4.000	ug/ml	0.00
Standard Area 2 = 151712			Recovery = 97.83%			
88) IS1_Phenanthrene-d10	11.245	188	288872	4.000	ug/ml	0.00
Standard Area 1 = 265683			Recovery = 108.73%			
100) IS3_Phenanthrene-d10	11.245	188	288872	4.000	ug/ml	0.00
Standard Area 2 = 298371			Recovery = 96.82%			
104) IS1_Chrysene-d12	13.904	240	317930	4.000	ug/ml	0.00
Standard Area 1 = 288586			Recovery = 110.17%			
113) IS1_Perylene-d12	15.380	264	357363	4.000	ug/ml	0.00
Standard Area 1 = 335704			Recovery = 106.45%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	10592	0.511	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.55%			
7) Phenol-d6	6.269	99	15028	0.602	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.10%			
19) Nitrobenzene-d5	7.281	82	15016	0.663	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.30%			
46) 2-Fluorobiphenyl	9.163	172	41093	0.710	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.00%			
79) 2,4,6-Tribromophenol	10.575	330	5847	0.696	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.80%			
96) 4-Terphenyl-d14	12.833	244	61837	0.798	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.80%			

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-08.D
Acq On : 19 Dec 2024 5:02 pm
Operator : SV106:smz
Sample : L2473190-08,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 09:40:45 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-08.D
Acq On : 19 Dec 2024 5:02 pm
Operator : SV106:smz
Sample : L2473190-08,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 09:40:45 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.	d	
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

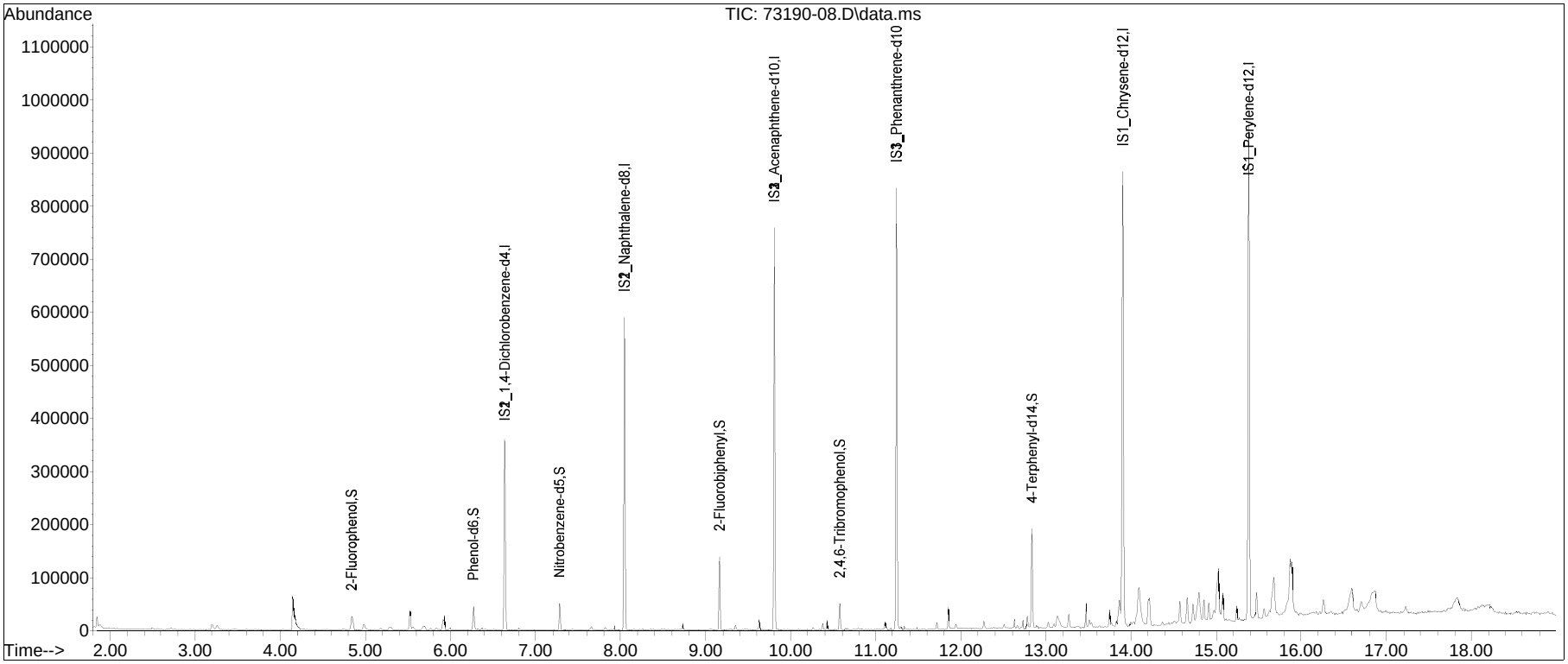
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-08.D
Acq On : 19 Dec 2024 5:02 pm
Operator : SV106:smz
Sample : L2473190-08,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 09:40:45 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91219.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: 73190-08.D	Operator	: SV106:smz
Date Inj'd	: 12/19/2024 5:02 pm	Instrument	: SV 106
Sample	: L2473190-08,32,,gmr	Quant Date	: 12/19/2024 5:21 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-09.D
Acq On : 19 Dec 2024 5:25 pm
Operator : SV106:smz
Sample : L2473190-09,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 09:41:12 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.639	152	55038	4.000	ug/ml	0.00
Standard Area 1 = 59785			Recovery = 92.06%			
27) IS2_1,4-Dichlorobenzen...	6.639	152	55038	4.000	ug/ml	0.00
Standard Area 3 = 57436			Recovery = 95.82%			
35) IS1_Naphthalene-d8	8.045	136	198990	4.000	ug/ml	0.00
Standard Area 1 = 236263			Recovery = 84.22%			
55) IS2_Naphthalene-d8	8.045	136	198990	4.000	ug/ml	0.00
Standard Area 3 = 223802			Recovery = 88.91%			
63) IS1_Acenaphthene-d10	9.804	164	110781	4.000	ug/ml	0.00
Standard Area 1 = 135584			Recovery = 81.71%			
83) IS2_Acenaphthene-d10	9.804	164	110781	4.000	ug/ml	0.00
Standard Area 3 = 135210			Recovery = 81.93%			
86) IS3_Acenaphthene-d10	9.804	164	110781	4.000	ug/ml	0.00
Standard Area 2 = 151712			Recovery = 73.02%			
88) IS1_Phenanthrene-d10	11.245	188	222242	4.000	ug/ml	0.00
Standard Area 1 = 265683			Recovery = 83.65%			
100) IS3_Phenanthrene-d10	11.245	188	222242	4.000	ug/ml	0.00
Standard Area 2 = 298371			Recovery = 74.49%			
104) IS1_Chrysene-d12	13.904	240	280184	4.000	ug/ml	0.00
Standard Area 1 = 288586			Recovery = 97.09%			
113) IS1_Perylene-d12	15.380	264	309329	4.000	ug/ml	0.00
Standard Area 1 = 335704			Recovery = 92.14%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	11725	0.685	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.25%			
7) Phenol-d6	6.269	99	11157	0.541	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.05%			
19) Nitrobenzene-d5	7.281	82	11978	0.640	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.00%			
46) 2-Fluorobiphenyl	9.163	172	29301	0.636	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.60%			
79) 2,4,6-Tribromophenol	10.574	330	6750	1.077	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.85%			
96) 4-Terphenyl-d14	12.833	244	49537	0.831	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.10%			

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-09.D
Acq On : 19 Dec 2024 5:25 pm
Operator : SV106:smz
Sample : L2473190-09,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 09:41:12 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-09.D
Acq On : 19 Dec 2024 5:25 pm
Operator : SV106:smz
Sample : L2473190-09,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 09:41:12 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.	d	
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	13.998	149	3656	0.063	ug/ml#	97
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

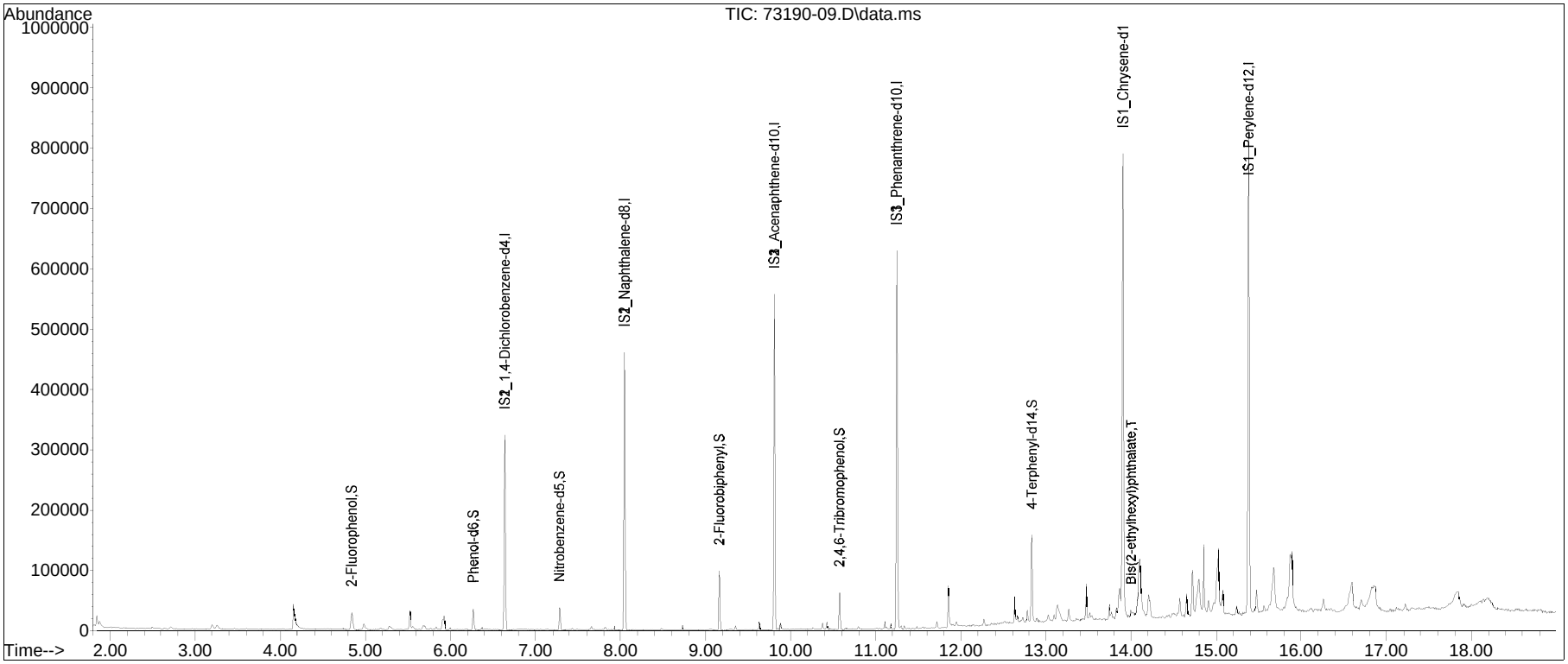
(#) = qualifier out of range (m) = manual integration (+) = signals summed

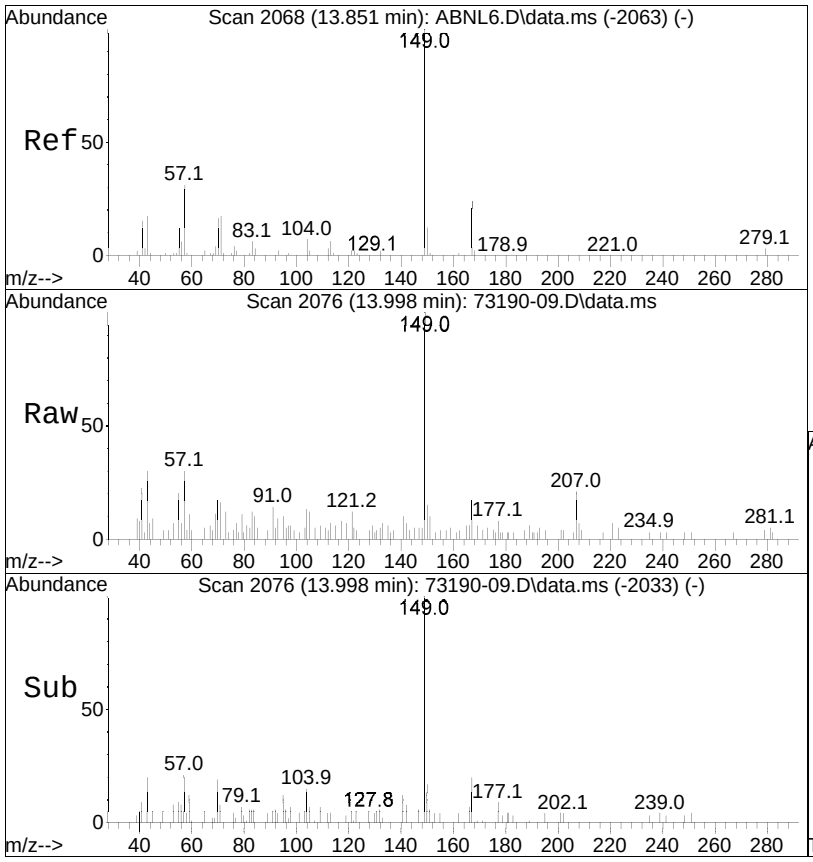
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 73190-09.D
Acq On : 19 Dec 2024 5:25 pm
Operator : SV106:smz
Sample : L2473190-09,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 09:41:12 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91219.D•

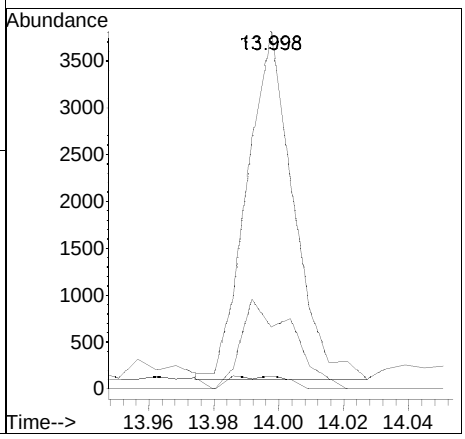




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.06 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 73190-09.D
Acq: 19 Dec 2024 5:25 pm

Tgt Ion:149 Resp: 3656

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: 73190-09.D	Operator	: SV106:smz
Date Inj'd	: 12/19/2024 5:25 pm	Instrument	: SV 106
Sample	: L2473190-09,32,,gmr	Quant Date	: 12/19/2024 5:45 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.794	0.791	0.767	0.739	0.714	0.756	0.724	0.759	0.797	0.760	4.03
3)	t	Pyridine	1.259	1.357	1.206	1.165	1.167	1.210	1.166	1.206	1.233	1.219	4.99
4)	S	2-Fluorophenol	1.469	1.303	1.174	1.186	1.133	1.228	1.179	1.261	1.267	1.245	8.05
5)	T	Aniline	1.663	1.751	1.672	1.834	1.671	1.817	1.760	1.844	1.927	1.771	5.20
6)	t	2-Chlorophenol	1.427	1.504	1.219	1.353	1.263	1.386	1.328	1.380	1.426	1.365	6.39
7)	S	Phenol-d6	1.690	1.672	1.373	1.453	1.356	1.471	1.439	1.490	1.538	1.498	7.85
8)	T	Phenol	1.782	1.590	1.411	1.532	1.437	1.569	1.508	1.563	1.599	1.555	6.90
9)	T	bis(2-Chloroethyl)ether	1.547	1.430	1.155	1.205	1.157	1.290	1.215	1.243	1.282	1.280	10.18
10)	T	1,3-Dichlorobenzene	1.810	1.795	1.663	1.645	1.555	1.636	1.587	1.649	1.679	1.669	5.09
11)	T	1,4-Dichlorobenzene	1.853	1.897	1.663	1.742	1.547	1.652	1.586	1.663	1.696	1.700	6.76
12)	T	1,2-Dichlorobenzene	1.987	1.723	1.549	1.575	1.494	1.609	1.530	1.580	1.625	1.630	9.12
13)	t	Benzyl alcohol	1.155	1.145	0.982	1.001	0.932	1.064	1.047	1.076	1.140	1.060	7.40
14)	T	bis(2-chloroisopropyl)ether	2.486	2.142	1.894	2.011	1.807	1.970	1.888	1.935	1.990	2.014	9.94
15)	T	2-Methylphenol	1.240	1.140	1.057	1.085	1.025	1.140	1.101	1.148	1.174	1.123	5.75
16)	T	Hexachloroethane	0.710	0.636	0.598	0.613	0.559	0.601	0.584	0.612	0.612	0.614	6.85
17)	T	n-Nitrosodi-n-propylamine	1.069	1.007	0.853	0.911	0.822	0.960	0.916	0.940	0.985	0.940	8.11
18)	T	3-Methylphenol/4-Methylphenol	1.351	1.247	1.151	1.188	1.120	1.250	1.202	1.243	1.276	1.225	5.66
19)	S	Nitrobenzene-d5	1.664	1.365	1.257	1.277	1.207	1.373	1.329	1.366	1.397	1.359	9.59
20)	T	Nitrobenzene	1.673	1.444	1.291	1.318	1.233	1.384	1.363	1.378	1.417	1.389	8.97
21)	T	Isophorone	2.685	2.494	2.213	2.320	2.136	2.481	2.408	2.450	2.557	2.416	7.06
22)	T	2-Nitrophenol	0.725	0.742	0.599	0.681	0.644	0.752	0.721	0.771	0.778	0.713	8.43
23)	T	2,4-Dimethylphenol	1.273	1.164	1.053	1.089	1.008	1.124	1.080	1.101	1.174	1.119	6.94
24)	T	bis(2-Chloroethoxy)methane	1.915	1.579	1.540	1.620	1.443	1.643	1.577	1.573	1.636	1.614	7.92
25)	T	2,4-Dichlorophenol	1.404	1.292	1.102	1.201	1.140	1.303	1.232	1.275	1.302	1.250	7.39
26)	T	1,2,4-Trichlorobenzene	1.696	1.587	1.414	1.423	1.316	1.411	1.381	1.403	1.407	1.449	8.08
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.774	0.848	0.995	0.869	1.012	0.975	0.981	0.966	1.108	0.948	10.60
29)	T	Acetophenone	1.728	1.786	1.934	1.608	1.877	1.809	1.798	1.826	2.091	1.829	7.34
30)	T	m-Toluidine			1.396	1.351	1.634	1.628	1.682	1.683	1.912	1.612	11.74
31)	T	2-Chloroaniline	1.363	1.516	1.622	1.464	1.694	1.652	1.649	1.650	1.874	1.609	9.14
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane		0.609	0.450	0.607	0.439	0.395	0.462	0.456	0.466	0.485	16.26
34)	T	n-Decane		1.504	1.315	1.921	1.407	1.268	1.487	1.469	1.516	1.486	13.30
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.353	1.228	1.064	1.107	1.009	1.089	1.067	1.105	1.142	1.129	9.13

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.158	0.213	0.243	0.276	0.289	*L	0.9994
38)	T	4-Chloroaniline	0.123	0.144	0.111	0.131	0.114	0.129	0.126	0.130	0.132	0.127	7.95
39)	T	Hexachlorobutadiene	0.255	0.262	0.221	0.246	0.219	0.239	0.226	0.235	0.245	0.239	6.22
40)	T	p-Chloro-m-cresol	0.301	0.309	0.257	0.286	0.264	0.305	0.303	0.314	0.327	0.296	7.79
41)	T	2-Methylnaphthalene	0.899	0.803	0.686	0.722	0.672	0.747	0.726	0.750	0.767	0.752	9.00
42)	T	1-Methylnaphthalene	0.294	0.265	0.228	0.236	0.211	0.237	0.231	0.240	0.249	0.243	9.82
43)	T	Hexachlorocyclopentadiene	0.266	0.278	0.246	0.258	0.238	0.261	0.259	0.268	0.283	0.262	5.37
44)	T	2,4,6-Trichlorophenol	0.306	0.284	0.252	0.258	0.243	0.285	0.278	0.281	0.289	0.275	7.27
45)	T	2,4,5-Trichlorophenol	0.288	0.304	0.254	0.278	0.261	0.288	0.287	0.293	0.311	0.285	6.49
46)	S	2-Fluorobiphenyl	1.120	0.991	0.853	0.900	0.812	0.918	0.896	0.904	0.938	0.926	9.56
47)	T	2-Chloronaphthalene	0.953	0.836	0.728	0.770	0.691	0.769	0.763	0.763	0.788	0.785	9.50
48)	T	2-Nitroaniline	0.252	0.211	0.195	0.201	0.187	0.234	0.241	0.241	0.248	0.223	11.09
49)	T	1,4-Dinitrobenzene	0.113	0.112	0.103	0.101	0.101	0.122	0.123	0.124	0.128	0.114	9.32
50)	T	1,3-Dinitrobenzene	0.132	0.104	0.110	0.125	0.108	0.136	0.137	0.134	0.139	0.125	10.98
51)	T	Dimethyl phthalate	1.062	0.944	0.878	0.892	0.815	0.943	0.906	0.876	0.916	0.915	7.39
52)	T	Acenaphthylene	1.355	1.229	1.072	1.123	1.033	1.177	1.163	1.165	1.210	1.170	8.00
53)	T	2,6-Dinitrotoluene	0.193	0.168	0.161	0.182	0.167	0.204	0.200	0.196	0.202	0.186	8.97
54)	T	1,2-Dinitrobenzene	0.088	0.079	0.069	0.082	0.071	0.086	0.085	0.081	0.084	0.081	7.92
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.275	0.267	0.269	0.236	0.290	0.280	0.293	0.293	0.336	0.282	9.59
57)	T	3-Chloroaniline	0.109	0.107	0.147	0.120	0.138	0.140	0.144	0.137	0.152	0.132	12.57
58)	T	2,6-Dichlorophenol	0.244	0.282	0.299	0.262	0.307	0.310	0.320	0.315	0.361	0.300	11.42
59)	T	1-chloro-2-nitrobenzene	0.128	0.138	0.151	0.127	0.151	0.146	0.151	0.149	0.169	0.145	9.06
60)	T	Caprolactam		0.121	0.133	0.124	0.148	0.151	0.156	0.162	0.178	0.147	13.33
61)	T	1,2,4,5-Tetrachlorobenzene	0.362	0.388	0.443	0.367	0.409	0.398	0.406	0.396	0.448	0.402	7.30
62)	T	Biphenyl	0.800	0.845	0.953	0.829	0.952	0.925	0.914	0.914	1.032	0.907	7.94
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.325	0.328	0.284	0.310	0.298	0.334	0.336	0.346	0.346	0.323	6.65
65)	T	Acenaphthene	1.468	1.237	1.049	1.163	1.000	1.107	1.100	1.148	1.141	1.157	11.64
66)	T	2,4-Dinitrophenol					0.141	0.198	0.224	0.241	0.249	*L	1.0000
67)	T	Dibenzofuran	2.384	2.124	1.675	1.894	1.624	1.767	1.756	1.812	1.811	1.872	12.80
68)	T	2,4-Dinitrotoluene	0.436	0.419	0.352	0.412	0.369	0.438	0.438	0.453	0.455	0.419	8.62
69)	T	4-Nitrophenol	0.227	0.227	0.189	0.243	0.217	0.255	0.257	0.267	0.267	0.239	10.86
70)	T	2,3,5,6-Tetrachlorophenol	0.372	0.380	0.337	0.377	0.357	0.406	0.418	0.432	0.435	0.390	8.75
71)	T	2,3,4,6-Tetrachlorophenol	0.405	0.372	0.339	0.390	0.345	0.400	0.399	0.406	0.412	0.385	7.04
72)	T	Diethyl phthalate	1.818	1.602	1.416	1.472	1.357	1.481	1.478	1.508	1.529	1.518	8.67

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.777	1.580	1.346	1.483	1.268	1.426	1.416	1.426	1.436	1.462	9.97
74)	T	4-Chlorophenyl-phenylether	0.990	0.829	0.702	0.742	0.632	0.721	0.710	0.716	0.711	0.750	13.75
75)	T	4-Nitroaniline	0.356	0.301	0.291	0.337	0.303	0.332	0.350	0.356	0.332	0.329	7.53
76)	T	4,6-Dinitro-o-cresol			0.168	0.203	0.212	0.263	0.285	0.300	0.308	*L	0.9982
77)	T	NDPA/DPA	1.502	1.304	1.165	1.267	1.112	1.256	1.247	1.245	1.253	1.261	8.51
78)	T	Azobenzene	1.440	1.309	1.095	1.233	1.093	1.238	1.207	1.226	1.252	1.232	8.53
79)	S	2,4,6-Tribromophenol	0.235	0.245	0.198	0.225	0.198	0.229	0.233	0.235	0.239	0.226	7.54
80)	T	4-Bromophenyl-phenylether	0.584	0.491	0.442	0.467	0.393	0.454	0.450	0.446	0.457	0.465	11.11
81)	T	Hexachlorobenzene	0.718	0.592	0.482	0.511	0.451	0.494	0.491	0.496	0.501	0.526	15.44
82)	T	Pentachlorophenol				0.264	0.266	0.325	0.342	0.351	0.363	0.319	13.63
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran			0.159	0.136	0.167	0.178	0.191	0.212	0.226	0.181	17.26
85)	T	Pentachloronitrobenzene	0.204	0.162	0.193	0.163	0.184	0.199	0.199	0.210	0.226	0.193	10.85
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine		0.376	0.330	0.478	0.406	0.394	0.422	0.452	0.462	0.415	11.80
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.504	1.339	1.033	1.155	1.048	1.124	1.097	1.144	1.118	1.174	12.95
90)	T	Anthracene	1.494	1.253	1.052	1.135	1.049	1.116	1.111	1.171	1.151	1.170	11.63
91)	T	Carbazole	1.297	1.044	0.920	1.035	0.962	1.045	1.035	1.090	1.056	1.054	9.94
92)	T	Di-n-butylphthalate	1.460	1.281	1.142	1.233	1.152	1.352	1.379	1.432	1.438	1.319	9.27
93)	T	Fluoranthene	1.613	1.418	1.239	1.306	1.215	1.347	1.322	1.385	1.336	1.353	8.60
94)	T	Benzidine			0.595	0.722	0.695	0.841	0.850	0.871	0.857	0.776	13.67
95)	T	Pyrene	1.693	1.490	1.310	1.402	1.290	1.410	1.405	1.444	1.408	1.428	8.18
96)	S	4-Terphenyl-d14	1.298	1.156	0.979	1.043	0.954	1.059	1.053	1.072	1.048	1.073	9.45
97)	T	Butyl benzyl phthalate	0.554	0.490	0.442	0.498	0.483	0.600	0.617	0.646	0.660	0.555	14.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.461	0.460	0.464	0.452	0.481	0.530	0.521	0.569	0.607	0.505	10.94
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane		0.432	0.385	0.572	0.478	0.483	0.501	0.513	0.519	0.485	11.71
102)	T	Parathion		0.083	0.076	0.113	0.097	0.104	0.125	0.145	0.157	*Q	0.9979
103)	T	3,3'-Dimethylbenzidine				0.800	0.702	0.747	0.896	0.958		0.821	12.85
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.766	1.533	1.218	1.308	1.238	1.316	1.294	1.390	1.349	1.379	12.46
106)	T	3,3'-Dichlorobenzidine	0.462	0.427	0.372	0.440	0.426	0.468	0.473	0.516	0.494	0.453	9.40
107)	T	Chrysene	1.714	1.447	1.236	1.320	1.201	1.260	1.208	1.295	1.232	1.324	12.45
108)	T	bis(2-Ethylhexyl)phthalate	0.830	0.764	0.664	0.758	0.765	0.896	0.898	0.925	0.952	0.828	11.62

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	1.260	1.251	1.050	1.157	1.225	1.506	1.554	1.655	1.700	1.373	17.03
110)	T	Benzo(b)fluoranthene	1.483	1.369	1.200	1.339	1.248	1.285	1.347	1.364	1.342	1.331	6.09
111)	T	Benzo(k)fluoranthene	1.430	1.322	1.109	1.208	1.121	1.257	1.124	1.332	1.254	1.240	8.91
112)	T	Benzo(a)pyrene	1.236	1.183	0.962	1.139	1.084	1.160	1.144	1.266	1.223	1.155	7.93
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.397	1.246	1.043	1.161	1.132	1.211	1.255	1.319	1.150	1.213	8.75
115)	T	Dibenzo[a,h]anthracene	1.310	1.235	1.009	1.135	1.085	1.161	1.154	1.202	1.089	1.153	7.73
116)	T	Benzo(g,h,i)perylene	1.280	1.167	0.971	1.084	1.022	1.086	1.080	1.122	0.906	1.080	10.10

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	I	IS1_Naphthalene-d8	----------ISTD----------										
38)	T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39)	T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40)	T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41)	T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42)	T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43)	T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44)	T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45)	T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00
46)	T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47)	T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48)	S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49)	T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50)	T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51)	T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52)	T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53)	T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54)	T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55)	T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56)	T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57)	I	IS2_Naphthalene-d8	----------ISTD----------										
58)	T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59)	T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60)	T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61)	T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62)	T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63)	T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64)	T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65)	I	IS1_Acenaphthene-d10	----------ISTD----------										
66)	T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67)	T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68)	T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69)	T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70)	T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71)	T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72)	T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15	
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53	
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16	
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66	
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76	
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54	
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94	
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61	
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99	
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10	
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60	
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51	
85)	I	IS2_Acenaphthene-d10	----------ISTD----------											
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47	
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74	
88)	I	IS3_Acenaphthene-d10	----------ISTD----------											
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90	
90)	I	IS1_Phenanthrene-d10	----------ISTD----------											
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11	
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06	
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14	
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42	
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44	
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90	
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29	
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95	
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34	
100)	I	IS2_Phenanthrene-d10	----------ISTD----------											
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13	
102)	I	IS3_Phenanthrene-d10	----------ISTD----------											
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10	
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115		*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870		*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------											
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16	
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21786**
Calibration dates	**: 12/15/24 21:56 12/16/24 09:39**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =ABNL6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine		0.661	0.809	0.738	0.736	0.713	0.746	0.768	0.745	0.739	5.74
3)	T	Pyridine	0.755	1.163	1.131	1.335	1.123	1.177	1.201	1.267	1.130	1.143	14.13
4)	S	2-Fluorophenol	1.007	1.105	1.152	1.137	1.148	1.086	1.142	1.151	1.128	1.117	4.21
5)	T	Aniline		1.465	1.705	1.810	1.814	1.732	1.831	1.868	1.859	1.761	7.52
6)	T	2-Chlorophenol	1.190	1.262	1.212	1.329	1.306	1.238	1.275	1.286	1.291	1.265	3.56
7)	S	Phenol-d6	1.290	1.344	1.432	1.460	1.434	1.368	1.433	1.471	1.500	1.415	4.75
8)	T	Phenol	1.435	1.464	1.647	1.653	1.633	1.581	1.656	1.681	1.684	1.604	5.78
9)	T	bis(2-Chloroethyl)ether	1.124	1.326	1.223	1.285	1.250	1.182	1.216	1.197	1.164	1.219	5.07
10)	T	1,3-Dichlorobenzene	1.294	1.599	1.754	1.659	1.632	1.477	1.537	1.506	1.471	1.548	8.60
11)	T	1,4-Dichlorobenzene	1.403	1.671	1.632	1.715	1.611	1.512	1.533	1.521	1.478	1.564	6.39
12)	T	1,2-Dichlorobenzene	1.455	1.562	1.664	1.619	1.553	1.448	1.471	1.463	1.461	1.522	5.29
13)	T	Benzyl alcohol	0.827	0.967	0.953	0.990	0.985	0.976	1.030	1.065	1.097	0.988	7.80
14)	T	bis(2-chloroisopropyl)ether	1.245	1.547	1.445	1.528	1.528	1.444	1.471	1.463	1.399	1.452	6.29
15)	T	2-Methylphenol	1.014	1.036	1.037	1.101	1.072	1.050	1.117	1.158	1.174	1.084	5.21
16)	T	Hexachloroethane	0.548	0.657	0.537	0.614	0.600	0.562	0.588	0.600	0.612	0.591	6.28
17)	T	n-Nitrosodi-n-propylamine		0.828	0.856	0.887	0.860	0.847	0.921	0.954	0.990	0.893	6.39
18)	T	3-Methylphenol/4-Methylphenol	0.929	1.198	1.165	1.210	1.196	1.162	1.208	1.252	1.295	1.179	8.70
19)	S	Nitrobenzene-d5	1.137	1.153	1.197	1.322	1.302	1.260	1.331	1.365	1.391	1.273	7.24
20)	T	Nitrobenzene	1.143	1.323	1.232	1.383	1.312	1.302	1.357	1.378	1.404	1.315	6.31
21)	T	Isophorone	2.014	2.257	2.274	2.284	2.398	2.371	2.473	2.518	2.490	2.342	6.70
22)	T	2-Nitrophenol	0.537	0.490	0.542	0.578	0.610	0.625	0.669	0.721	0.754	0.614	14.34
23)	T	2,4-Dimethylphenol	0.866	1.026	1.073	1.100	1.154	1.093	1.149	1.193	1.240	1.099	9.89
24)	T	bis(2-Chloroethoxy)methane	1.365	1.650	1.630	1.687	1.670	1.596	1.653	1.644	1.638	1.615	6.01
25)	T	2,4-Dichlorophenol	0.925	1.168	1.170	1.213	1.224	1.220	1.263	1.296	1.351	1.203	9.94
26)	T	1,2,4-Trichlorobenzene	1.307	1.490	1.629	1.612	1.509	1.425	1.447	1.448	1.481	1.483	6.56
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.976	0.861	0.861	0.816	0.827	0.775	0.789	0.799	0.786	0.832	7.47
29)	T	Acetophenone	2.243	1.923	1.821	1.768	1.627	1.642	1.773	1.779	1.738	1.813	10.16
30)	T	m-Toluidine			1.128	1.260	1.377	1.345	1.449	1.473	1.463	1.357	9.29
31)	T	2-Chloroaniline	1.589	1.584	1.662	1.547	1.519	1.497	1.588	1.587	1.555	1.570	3.06
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.580	0.486	0.475	0.483	0.455	0.486	0.476	0.456	0.487	8.14
34)	T	n-Decane	1.276	1.216	1.264	1.160	1.220	1.111	1.202	1.200	1.140	1.199	4.53
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.021	1.169	1.122	1.156	1.090	1.038	1.043	0.976	0.827	1.049	10.02

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21786**
Calibration dates	**: 12/15/24 21:56 12/16/24 09:39**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =ABNL6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.198	0.220	0.256	0.279	0.294	0.249	16.09
38)	T	4-Chloroaniline	0.088	0.134	0.107	0.127	0.131	0.125	0.133	0.132	0.132	0.123	12.67
39)	T	Hexachlorobutadiene	0.215	0.298	0.280	0.281	0.261	0.245	0.253	0.253	0.246	0.259	9.41
40)	T	p-Chloro-m-cresol	0.240	0.246	0.274	0.286	0.297	0.286	0.305	0.316	0.311	0.285	9.46
41)	T	2-Methylnaphthalene	0.761	0.798	0.709	0.750	0.749	0.701	0.718	0.707	0.651	0.727	5.85
42)	T	1-Methylnaphthalene	0.238	0.256	0.252	0.252	0.253	0.231	0.238	0.242	0.245	0.245	3.50
43)	T	Hexachlorocyclopentadiene	0.247	0.272	0.250	0.283	0.280	0.259	0.276	0.285	0.278	0.270	5.29
44)	T	2,4,6-Trichlorophenol	0.219	0.245	0.254	0.271	0.282	0.267	0.285	0.292	0.289	0.267	9.06
45)	T	2,4,5-Trichlorophenol	0.228	0.263	0.289	0.283	0.303	0.287	0.307	0.310	0.305	0.286	9.24
46)	S	2-Fluorobiphenyl	0.892	1.052	0.946	0.976	0.959	0.891	0.901	0.860	0.745	0.914	9.39
47)	T	2-Chloronaphthalene	0.784	0.818	0.829	0.806	0.797	0.753	0.764	0.741	0.668	0.774	6.37
48)	T	2-Nitroaniline	0.161	0.196	0.174	0.177	0.195	0.200	0.224	0.241	0.245	0.202	14.77
49)	T	1,4-Dinitrobenzene		0.113	0.081	0.097	0.109	0.108	0.119	0.131	0.133	0.111	15.25
50)	T	1,3-Dinitrobenzene		0.108	0.101	0.112	0.123	0.125	0.136	0.147	0.154	0.126	14.85
51)	T	Dimethyl phthalate	0.899	0.957	0.939	0.942	0.966	0.911	0.943	0.906	0.789	0.917	5.81
52)	T	Acenaphthylene	0.911	1.120	1.115	1.154	1.189	1.127	1.164	1.094	0.936	1.090	9.06
53)	T	2,6-Dinitrotoluene	0.138	0.145	0.159	0.161	0.181	0.183	0.195	0.204	0.205	0.175	14.25
54)	T	1,2-Dinitrobenzene		0.065	0.058	0.067	0.083	0.081	0.085	0.090	0.094	0.078	16.67
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.277	0.254	0.252	0.239	0.233	0.230	0.254	0.271	0.270	0.253	6.69
57)	T	3-Chloroaniline	0.102	0.112	0.134	0.144	0.133	0.129	0.138	0.141	0.135	0.130	10.65
58)	T	2,6-Dichlorophenol	0.276	0.310	0.332	0.312	0.304	0.301	0.323	0.328	0.323	0.312	5.55
59)	T	1-chloro-2-nitrobenzene	0.134	0.140	0.150	0.132	0.135	0.135	0.143	0.150	0.148	0.141	5.03
60)	T	Caprolactam			0.102	0.101	0.109	0.116	0.129	0.144	0.147	*L	0.9968
61)	T	1,2,4,5-Tetrachlorobenzene	0.558	0.493	0.516	0.466	0.445	0.428	0.443	0.445	0.422	0.468	9.66
62)	T	Biphenyl	1.173	1.031	1.063	0.972	0.931	0.900	0.932	0.904	0.810	0.969	11.03
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline		0.265	0.261	0.306	0.328	0.320	0.336	0.346	0.342	0.313	10.65
65)	T	Acenaphthene	1.055	1.239	1.206	1.237	1.153	1.058	1.082	1.082	0.982	1.122	8.13
66)	T	2,4-Dinitrophenol			0.132	0.137	0.166	0.173	0.205	0.228	0.224	*L	0.9969
67)	T	Dibenzofuran	1.919	2.281	2.047	2.088	2.009	1.825	1.809	1.713	1.404	1.899	13.27
68)	T	2,4-Dinitrotoluene	0.296	0.316	0.323	0.365	0.409	0.422	0.450	0.477	0.465	0.392	17.58
69)	T	4-Nitrophenol		0.163	0.227	0.240	0.251	0.256	0.268	0.282	0.273	0.245	15.34
70)	T	2,3,5,6-Tetrachlorophenol	0.296	0.348	0.398	0.434	0.440	0.434	0.447	0.465	0.447	0.412	13.56
71)	T	2,3,4,6-Tetrachlorophenol	0.308	0.339	0.383	0.439	0.433	0.416	0.433	0.445	0.426	0.402	12.12
72)	T	Diethyl phthalate	1.280	1.498	1.471	1.605	1.598	1.502	1.501	1.478	1.307	1.471	7.61

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21786**
Calibration dates	**: 12/15/24 21:56 12/16/24 09:39**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =ABNL6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	Fluorene	1.432	1.564	1.483	1.543	1.515	1.422	1.423	1.405	1.222	1.446	7.02	
74)	T	4-Chlorophenyl-phenylether	0.759	0.929	0.795	0.871	0.814	0.755	0.757	0.749	0.697	0.792	8.92	
75)	T	4-Nitroaniline	0.209	0.219	0.325	0.327	0.332	0.322	0.351	0.370	0.341	0.311	18.30	
76)	T	4,6-Dinitro-o-cresol			0.169	0.211	0.244	0.252	0.270	0.305	0.298		*L	0.9982
77)	T	NDPA/DPA	1.004	1.283	1.212	1.273	1.294	1.214	1.238	1.232	1.092	1.205	7.97	
78)	T	Azobenzene	1.167	1.278	1.341	1.398	1.419	1.344	1.366	1.352	1.160	1.314	7.14	
79)	S	2,4,6-Tribromophenol		0.239	0.178	0.255	0.250	0.242	0.252	0.268	0.269	0.244	11.79	
80)	T	4-Bromophenyl-phenylether	0.429	0.573	0.522	0.543	0.521	0.483	0.495	0.504	0.480	0.505	8.14	
81)	T	Hexachlorobenzene	0.659	0.657	0.656	0.658	0.606	0.572	0.583	0.583	0.571	0.616	6.60	
82)	T	Pentachlorophenol		0.257	0.256	0.298	0.338	0.346	0.386	0.408	0.392	0.335	17.82	
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran	0.142	0.148	0.153	0.149	0.146	0.162	0.185	0.214	0.222	0.169	18.03	
85)	T	Pentachloronitrobenzene	0.165	0.173	0.163	0.173	0.174	0.188	0.213	0.228	0.229	0.190	14.06	
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine	0.302	0.349	0.342	0.339	0.362	0.362	0.402	0.432	0.456	0.372	13.14	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.220	1.316	1.224	1.226	1.157	1.085	1.074	0.998	0.796	1.122	13.93	
90)	T	Anthracene	1.082	1.205	1.195	1.157	1.142	1.072	1.093	1.023	0.815	1.087	10.88	
91)	T	Carbazole	0.894	1.029	1.028	1.056	1.055	1.006	1.024	0.961	0.783	0.982	9.19	
92)	T	Di-n-butylphthalate	0.899	1.051	1.033	1.075	1.152	1.131	1.200	1.135	0.850	1.059	11.05	
93)	T	Fluoranthene	1.332	1.444	1.373	1.402	1.370	1.305	1.328	1.213	0.912	1.298	12.22	
94)	T	Benzidine			0.490	0.594	0.660	0.691	0.764	0.795	0.674	0.667	15.39	
95)	T	Pyrene	1.343	1.473	1.502	1.491	1.456	1.394	1.401	1.254	0.956	1.363	12.62	
96)	S	4-Terphenyl-d14	1.025	1.160	1.160	1.171	1.137	1.060	1.086	1.017	0.793	1.068	11.10	
97)	T	Butyl benzyl phthalate		0.368	0.384	0.397	0.457	0.484	0.547	0.602	0.530	0.471	18.00	
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid	0.459	0.406	0.419	0.417	0.427	0.436	0.492	0.530	0.506	0.455	9.78	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane	0.284	0.281	0.278	0.287	0.294	0.320	0.344	0.373	0.376	0.315	12.62	
102)	T	Parathion	0.047	0.075	0.062	0.062	0.066	0.070	0.087	0.105	0.124		*Q	0.9987
103)	T	3,3'-Dimethylbenzidine				0.317	0.444	0.511	0.662	0.762	0.769		*L	0.9962
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.280	1.380	1.331	1.338	1.314	1.255	1.283	1.164	0.907	1.250	11.39	
106)	T	3,3'-Dichlorobenzidine	0.355	0.366	0.407	0.439	0.456	0.456	0.501	0.512	0.461	0.439	12.37	
107)	T	Chrysene	1.420	1.504	1.489	1.456	1.325	1.206	1.206	1.066	0.813	1.276	17.99	
108)	T	bis(2-Ethylhexyl)phthalate	0.445	0.528	0.518	0.580	0.659	0.677	0.761	0.778	0.633	0.620	18.12	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21786**
Calibration dates	**: 12/15/24 21:56 12/16/24 09:39**		

Calibration Files

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L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	0.758	0.784	0.824	0.882	0.997	1.072	1.233	1.183	0.877	0.957	18.15
110)	T	Benzo(b)fluoranthene	1.188	1.353	1.390	1.462	1.385	1.374	1.319	1.176	1.053	1.300	10.14
111)	T	Benzo(k)fluoranthene	1.109	1.262	1.312	1.354	1.358	1.207	1.285	1.105	0.752	1.194	15.95
112)	T	Benzo(a)pyrene	0.951	1.102	1.201	1.238	1.239	1.173	1.193	1.072	0.876	1.116	11.57
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	0.902	1.300	1.120	1.232	1.195	1.179	1.181	1.202	1.100	1.157	9.67
115)	T	Dibenzo[a,h]anthracene	0.933	1.132	1.125	1.194	1.187	1.100	1.129	1.075	0.926	1.089	8.97
116)	T	Benzo(g,h,i)perylene	1.032	1.137	1.164	1.181	1.144	1.060	1.076	1.044	0.937	1.086	7.18

Response Factor Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.794	0.791	0.767	0.739	0.714	0.756	0.724	0.759	0.797	0.760	4.03
3)	t	Pyridine	1.259	1.357	1.206	1.165	1.167	1.210	1.166	1.206	1.233	1.219	4.99
4)	S	2-Fluorophenol	1.469	1.303	1.174	1.186	1.133	1.228	1.179	1.261	1.267	1.245	8.05
5)	T	Aniline	1.663	1.751	1.672	1.834	1.671	1.817	1.760	1.844	1.927	1.771	5.20
6)	t	2-Chlorophenol	1.427	1.504	1.219	1.353	1.263	1.386	1.328	1.380	1.426	1.365	6.39
7)	S	Phenol-d6	1.690	1.672	1.373	1.453	1.356	1.471	1.439	1.490	1.538	1.498	7.85
8)	T	Phenol	1.782	1.590	1.411	1.532	1.437	1.569	1.508	1.563	1.599	1.555	6.90
9)	T	bis(2-Chloroethyl)ether	1.547	1.430	1.155	1.205	1.157	1.290	1.215	1.243	1.282	1.280	10.18
10)	T	1,3-Dichlorobenzene	1.810	1.795	1.663	1.645	1.555	1.636	1.587	1.649	1.679	1.669	5.09
11)	T	1,4-Dichlorobenzene	1.853	1.897	1.663	1.742	1.547	1.652	1.586	1.663	1.696	1.700	6.76
12)	T	1,2-Dichlorobenzene	1.987	1.723	1.549	1.575	1.494	1.609	1.530	1.580	1.625	1.630	9.12
13)	t	Benzyl alcohol	1.155	1.145	0.982	1.001	0.932	1.064	1.047	1.076	1.140	1.060	7.40
14)	T	bis(2-chloroisopropyl)ether	2.486	2.142	1.894	2.011	1.807	1.970	1.888	1.935	1.990	2.014	9.94
15)	T	2-Methylphenol	1.240	1.140	1.057	1.085	1.025	1.140	1.101	1.148	1.174	1.123	5.75
16)	T	Hexachloroethane	0.710	0.636	0.598	0.613	0.559	0.601	0.584	0.612	0.612	0.614	6.85
17)	T	n-Nitrosodi-n-propylamine	1.069	1.007	0.853	0.911	0.822	0.960	0.916	0.940	0.985	0.940	8.11
18)	T	3-Methylphenol/4-Methylphenol	1.351	1.247	1.151	1.188	1.120	1.250	1.202	1.243	1.276	1.225	5.66
19)	S	Nitrobenzene-d5	1.664	1.365	1.257	1.277	1.207	1.373	1.329	1.366	1.397	1.359	9.59
20)	T	Nitrobenzene	1.673	1.444	1.291	1.318	1.233	1.384	1.363	1.378	1.417	1.389	8.97
21)	T	Isophorone	2.685	2.494	2.213	2.320	2.136	2.481	2.408	2.450	2.557	2.416	7.06
22)	T	2-Nitrophenol	0.725	0.742	0.599	0.681	0.644	0.752	0.721	0.771	0.778	0.713	8.43
23)	T	2,4-Dimethylphenol	1.273	1.164	1.053	1.089	1.008	1.124	1.080	1.101	1.174	1.119	6.94
24)	T	bis(2-Chloroethoxy)methane	1.915	1.579	1.540	1.620	1.443	1.643	1.577	1.573	1.636	1.614	7.92
25)	T	2,4-Dichlorophenol	1.404	1.292	1.102	1.201	1.140	1.303	1.232	1.275	1.302	1.250	7.39
26)	T	1,2,4-Trichlorobenzene	1.696	1.587	1.414	1.423	1.316	1.411	1.381	1.403	1.407	1.449	8.08
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.774	0.848	0.995	0.869	1.012	0.975	0.981	0.966	1.108	0.948	10.60
29)	T	Acetophenone	1.728	1.786	1.934	1.608	1.877	1.809	1.798	1.826	2.091	1.829	7.34
30)	T	m-Toluidine			1.396	1.351	1.634	1.628	1.682	1.683	1.912	1.612	11.74
31)	T	2-Chloroaniline	1.363	1.516	1.622	1.464	1.694	1.652	1.649	1.650	1.874	1.609	9.14
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane		0.609	0.450	0.607	0.439	0.395	0.462	0.456	0.466	0.485	16.26
34)	T	n-Decane		1.504	1.315	1.921	1.407	1.268	1.487	1.469	1.516	1.486	13.30
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.353	1.228	1.064	1.107	1.009	1.089	1.067	1.105	1.142	1.129	9.13
37)	T	Benzoic Acid					0.158	0.213	0.243	0.276	0.289	*L	0.9994
38)	T	4-Chloroaniline	0.123	0.144	0.111	0.131	0.114	0.129	0.126	0.130	0.132	0.127	7.95
39)	T	Hexachlorobutadiene	0.255	0.262	0.221	0.246	0.219	0.239	0.226	0.235	0.245	0.239	6.22
40)	T	p-Chloro-m-cresol	0.301	0.309	0.257	0.286	0.264	0.305	0.303	0.314	0.327	0.296	7.79
41)	T	2-Methylnaphthalene	0.899	0.803	0.686	0.722	0.672	0.747	0.726	0.750	0.767	0.752	9.00
42)	T	1-Methylnaphthalene	0.294	0.265	0.228	0.236	0.211	0.237	0.231	0.240	0.249	0.243	9.82
43)	T	Hexachlorocyclopentadiene	0.266	0.278	0.246	0.258	0.238	0.261	0.259	0.268	0.283	0.262	5.37
44)	T	2,4,6-Trichlorophenol	0.306	0.284	0.252	0.258	0.243	0.285	0.278	0.281	0.289	0.275	7.27
45)	T	2,4,5-Trichlorophenol	0.288	0.304	0.254	0.278	0.261	0.288	0.287	0.293	0.311	0.285	6.49

Response Factor Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	1.120	0.991	0.853	0.900	0.812	0.918	0.896	0.904	0.938	0.926	9.56
47)	T	2-Chloronaphthalene	0.953	0.836	0.728	0.770	0.691	0.769	0.763	0.763	0.788	0.785	9.50
48)	T	2-Nitroaniline	0.252	0.211	0.195	0.201	0.187	0.234	0.241	0.241	0.248	0.223	11.09
49)	T	1,4-Dinitrobenzene	0.113	0.112	0.103	0.101	0.101	0.122	0.123	0.124	0.128	0.114	9.32
50)	T	1,3-Dinitrobenzene	0.132	0.104	0.110	0.125	0.108	0.136	0.137	0.134	0.139	0.125	10.98
51)	T	Dimethyl phthalate	1.062	0.944	0.878	0.892	0.815	0.943	0.906	0.876	0.916	0.915	7.39
52)	T	Acenaphthylene	1.355	1.229	1.072	1.123	1.033	1.177	1.163	1.165	1.210	1.170	8.00
53)	T	2,6-Dinitrotoluene	0.193	0.168	0.161	0.182	0.167	0.204	0.200	0.196	0.202	0.186	8.97
54)	T	1,2-Dinitrobenzene	0.088	0.079	0.069	0.082	0.071	0.086	0.085	0.081	0.084	0.081	7.92
55)	I	IS2_Naphthalene-d8	ISTD										
56)	T	a-Terpineol	0.275	0.267	0.269	0.236	0.290	0.280	0.293	0.293	0.336	0.282	9.59
57)	T	3-Chloroaniline	0.109	0.107	0.147	0.120	0.138	0.140	0.144	0.137	0.152	0.132	12.57
58)	T	2,6-Dichlorophenol	0.244	0.282	0.299	0.262	0.307	0.310	0.320	0.315	0.361	0.300	11.42
59)	T	1-chloro-2-nitrobenzene	0.128	0.138	0.151	0.127	0.151	0.146	0.151	0.149	0.169	0.145	9.06
60)	T	Caprolactam		0.121	0.133	0.124	0.148	0.151	0.156	0.162	0.178	0.147	13.33
61)	T	1,2,4,5-Tetrachlorobenzene	0.362	0.388	0.443	0.367	0.409	0.398	0.406	0.396	0.448	0.402	7.30
62)	T	Biphenyl	0.800	0.845	0.953	0.829	0.952	0.925	0.914	0.914	1.032	0.907	7.94
63)	I	IS1_Acenaphthene-d10	ISTD										
64)	T	3-Nitroaniline	0.325	0.328	0.284	0.310	0.298	0.334	0.336	0.346	0.346	0.323	6.65
65)	T	Acenaphthene	1.468	1.237	1.049	1.163	1.000	1.107	1.100	1.148	1.141	1.157	11.64
66)	T	2,4-Dinitrophenol					0.141	0.198	0.224	0.241	0.249	*L	1.0000
67)	T	Dibenzofuran	2.384	2.124	1.675	1.894	1.624	1.767	1.756	1.812	1.811	1.872	12.80
68)	T	2,4-Dinitrotoluene	0.436	0.419	0.352	0.412	0.369	0.438	0.438	0.453	0.455	0.419	8.62
69)	T	4-Nitrophenol	0.227	0.227	0.189	0.243	0.217	0.255	0.257	0.267	0.267	0.239	10.86
70)	T	2,3,5,6-Tetrachlorophenol	0.372	0.380	0.337	0.377	0.357	0.406	0.418	0.432	0.435	0.390	8.75
71)	T	2,3,4,6-Tetrachlorophenol	0.405	0.372	0.339	0.390	0.345	0.400	0.399	0.406	0.412	0.385	7.04
72)	T	Diethyl phthalate	1.818	1.602	1.416	1.472	1.357	1.481	1.478	1.508	1.529	1.518	8.67
73)	T	Fluorene	1.777	1.580	1.346	1.483	1.268	1.426	1.416	1.426	1.436	1.462	9.97
74)	T	4-Chlorophenyl-phenylether	0.990	0.829	0.702	0.742	0.632	0.721	0.710	0.716	0.711	0.750	13.75
75)	T	4-Nitroaniline	0.356	0.301	0.291	0.337	0.303	0.332	0.350	0.356	0.332	0.329	7.53
76)	T	4,6-Dinitro-o-cresol			0.168	0.203	0.212	0.263	0.285	0.300	0.308	*L	0.9982
77)	T	NDPA/DPA	1.502	1.304	1.165	1.267	1.112	1.256	1.247	1.245	1.253	1.261	8.51
78)	T	Azobenzene	1.440	1.309	1.095	1.233	1.093	1.238	1.207	1.226	1.252	1.232	8.53
79)	S	2,4,6-Tribromophenol	0.235	0.245	0.198	0.225	0.198	0.229	0.233	0.235	0.239	0.226	7.54
80)	T	4-Bromophenyl-phenylether	0.584	0.491	0.442	0.467	0.393	0.454	0.450	0.446	0.457	0.465	11.11
81)	T	Hexachlorobenzene	0.718	0.592	0.482	0.511	0.451	0.494	0.491	0.496	0.501	0.526	15.44
82)	T	Pentachlorophenol				0.264	0.266	0.325	0.342	0.351	0.363	0.319	13.63
83)	I	IS2_Acenaphthene-d10	ISTD										
84)	T	Dichloran			0.159	0.136	0.167	0.178	0.191	0.212	0.226	0.181	17.26
85)	T	Pentachloronitrobenzene	0.204	0.162	0.193	0.163	0.184	0.199	0.199	0.210	0.226	0.193	10.85
86)	I	IS3_Acenaphthene-d10	ISTD										
87)	T	Atrazine		0.376	0.330	0.478	0.406	0.394	0.422	0.452	0.462	0.415	11.80
88)	I	IS1_Phenanthrene-d10	ISTD										
89)	T	Phenanthrene	1.504	1.339	1.033	1.155	1.048	1.124	1.097	1.144	1.118	1.174	12.95
90)	T	Anthracene	1.494	1.253	1.052	1.135	1.049	1.116	1.111	1.171	1.151	1.170	11.63

Response Factor Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

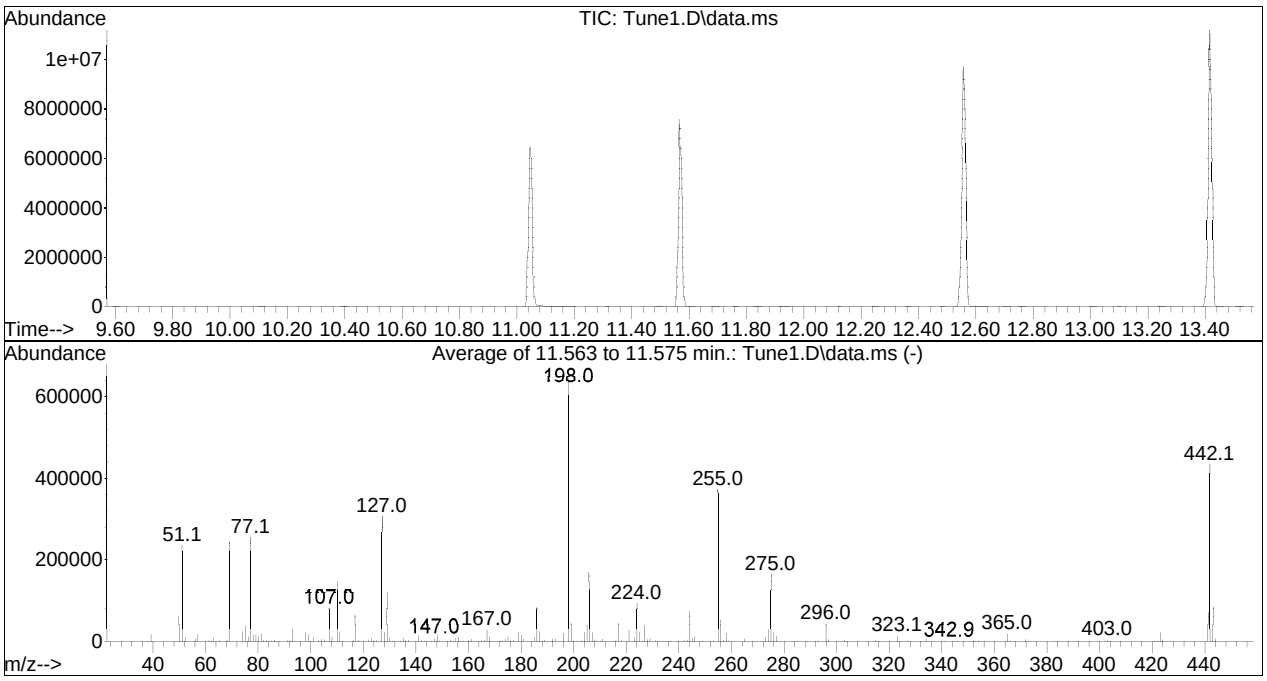
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.297	1.044	0.920	1.035	0.962	1.045	1.035	1.090	1.056	1.054	9.94
92)	T	Di-n-butylphthalate	1.460	1.281	1.142	1.233	1.152	1.352	1.379	1.432	1.438	1.319	9.27
93)	T	Fluoranthene	1.613	1.418	1.239	1.306	1.215	1.347	1.322	1.385	1.336	1.353	8.60
94)	T	Benzidine			0.595	0.722	0.695	0.841	0.850	0.871	0.857	0.776	13.67
95)	T	Pyrene	1.693	1.490	1.310	1.402	1.290	1.410	1.405	1.444	1.408	1.428	8.18
96)	S	4-Terphenyl-d14	1.298	1.156	0.979	1.043	0.954	1.059	1.053	1.072	1.048	1.073	9.45
97)	T	Butyl benzyl phthalate	0.554	0.490	0.442	0.498	0.483	0.600	0.617	0.646	0.660	0.555	14.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.461	0.460	0.464	0.452	0.481	0.530	0.521	0.569	0.607	0.505	10.94
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane		0.432	0.385	0.572	0.478	0.483	0.501	0.513	0.519	0.485	11.71
102)	T	Parathion		0.083	0.076	0.113	0.097	0.104	0.125	0.145	0.157	*Q	0.9979
103)	T	3,3'-Dimethylbenzidine				0.800	0.702	0.747	0.896	0.958		0.821	12.85
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.766	1.533	1.218	1.308	1.238	1.316	1.294	1.390	1.349	1.379	12.46
106)	T	3,3'-Dichlorobenzidine	0.462	0.427	0.372	0.440	0.426	0.468	0.473	0.516	0.494	0.453	9.40
107)	T	Chrysene	1.714	1.447	1.236	1.320	1.201	1.260	1.208	1.295	1.232	1.324	12.45
108)	T	bis(2-Ethylhexyl)phthalate	0.830	0.764	0.664	0.758	0.765	0.896	0.898	0.925	0.952	0.828	11.62
109)	T	Di-n-octylphthalate	1.260	1.251	1.050	1.157	1.225	1.506	1.554	1.655	1.700	1.373	17.03
110)	T	Benzo(b)fluoranthene	1.483	1.369	1.200	1.339	1.248	1.285	1.347	1.364	1.342	1.331	6.09
111)	T	Benzo(k)fluoranthene	1.430	1.322	1.109	1.208	1.121	1.257	1.124	1.332	1.254	1.240	8.91
112)	T	Benzo(a)pyrene	1.236	1.183	0.962	1.139	1.084	1.160	1.144	1.266	1.223	1.155	7.93
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.397	1.246	1.043	1.161	1.132	1.211	1.255	1.319	1.150	1.213	8.75
115)	T	Dibenzo[a,h]anthracene	1.310	1.235	1.009	1.135	1.085	1.161	1.154	1.202	1.089	1.153	7.73
116)	T	Benzo(g,h,i)perylene	1.280	1.167	0.971	1.084	1.022	1.086	1.080	1.122	0.906	1.080	10.10

(#) = Out of Range

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Oct 11 18:38:05 2024



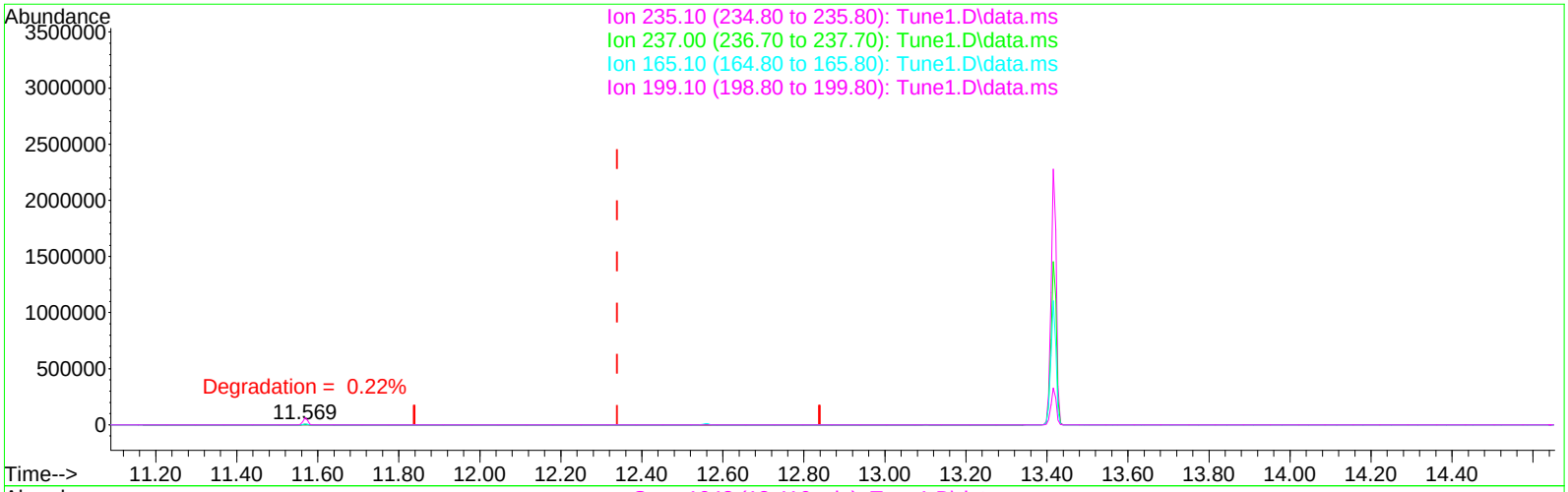
Spectrum Information: Average of 11.563 to 11.575 min.

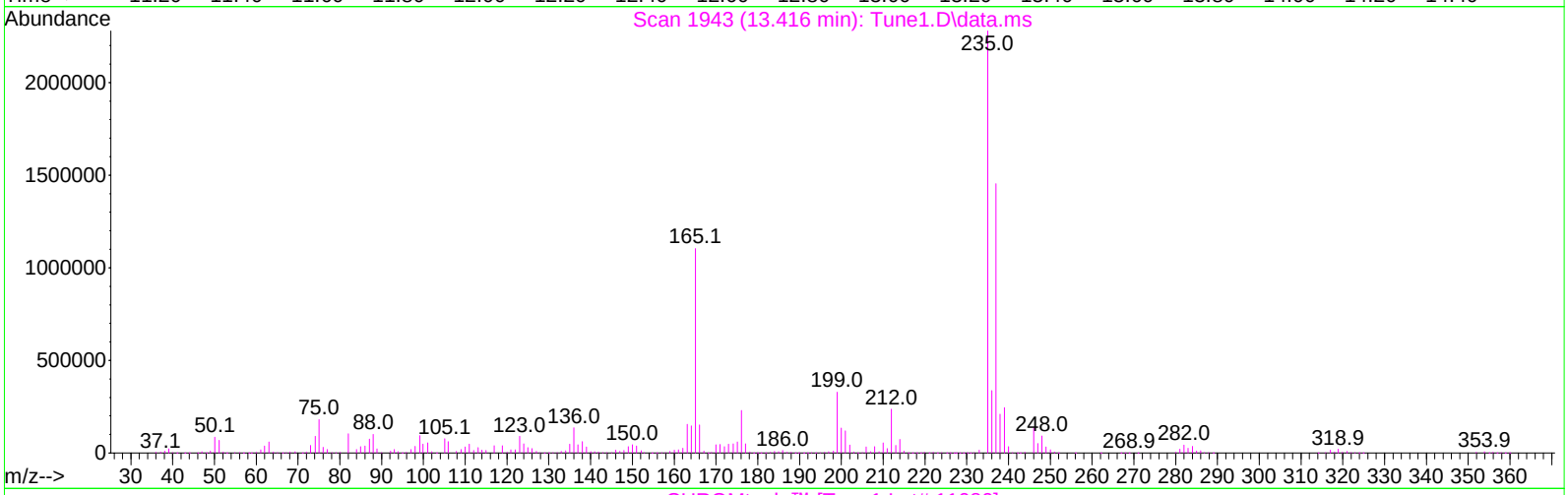
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.3	235008	PASS
68	69	0.00	2	1.7	4243	PASS
69	69	100	100	100.0	246197	PASS
70	69	0.00	2	0.5	1173	PASS
127	198	10	80	47.3	305899	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	647189	PASS
199	198	5	9	6.9	44368	PASS
275	198	10	60	25.3	163643	PASS
365	198	1	100	2.8	17966	PASS
441	442	0.01	24	16.2	70368	PASS
442	198	50	100	66.9	433096	PASS
443	442	15	24	19.5	84349	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 09 20:05:38 2024
Quant Method : I:\8270\SV106\241009RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Oct 06 06:11:48 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11080]

(6) DDT (T)

13.416min (+ 1.077) 339.80 M2

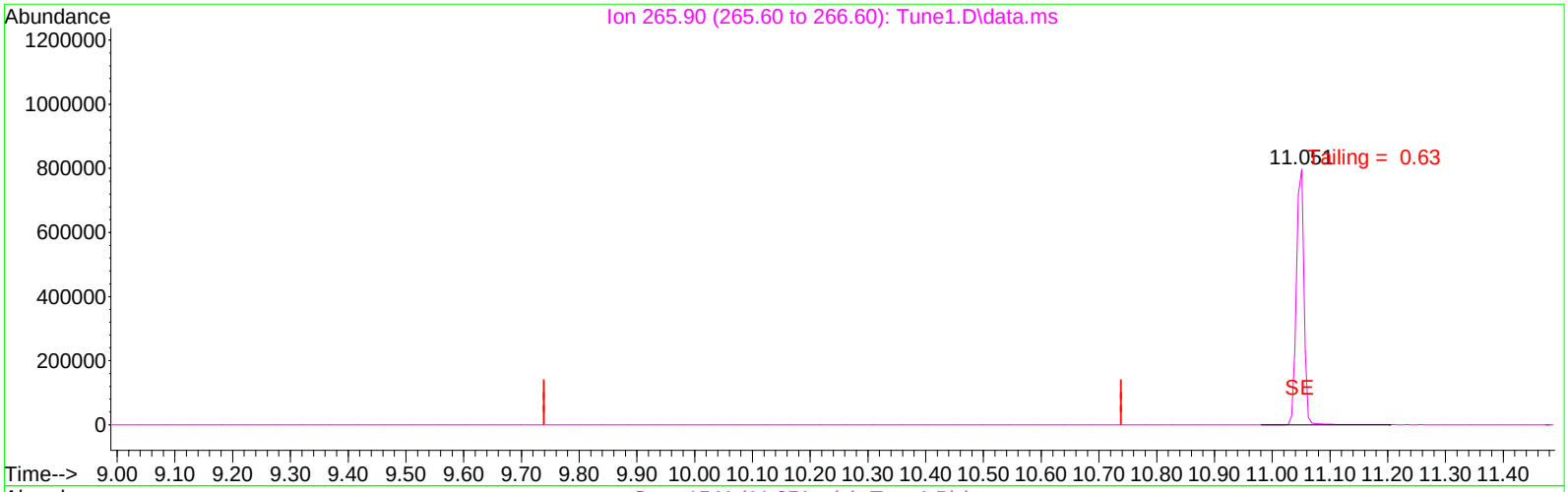
response 2071334

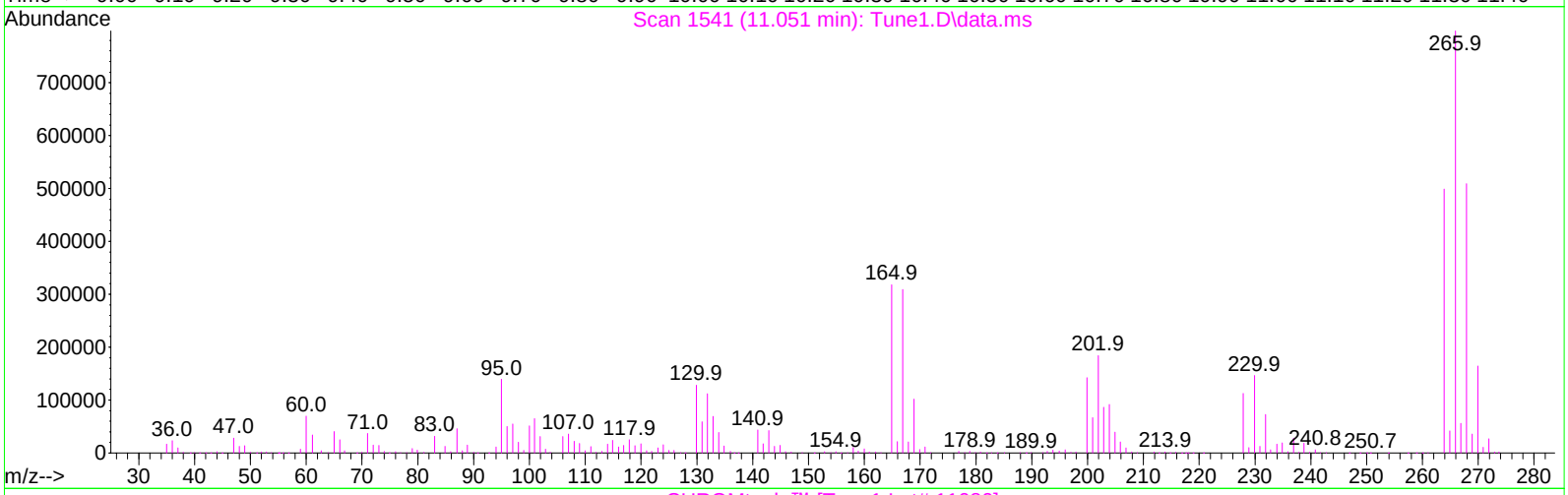
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	0.00#
165.10	44.50	0.00#
199.10	14.80	0.00#

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 09 20:05:38 2024
Quant Method : I:\8270\SV106\241009RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Oct 06 06:11:48 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11080]

(1) Pentachlorophenol (T)

11.051min (+ 0.812) 346.47 M2

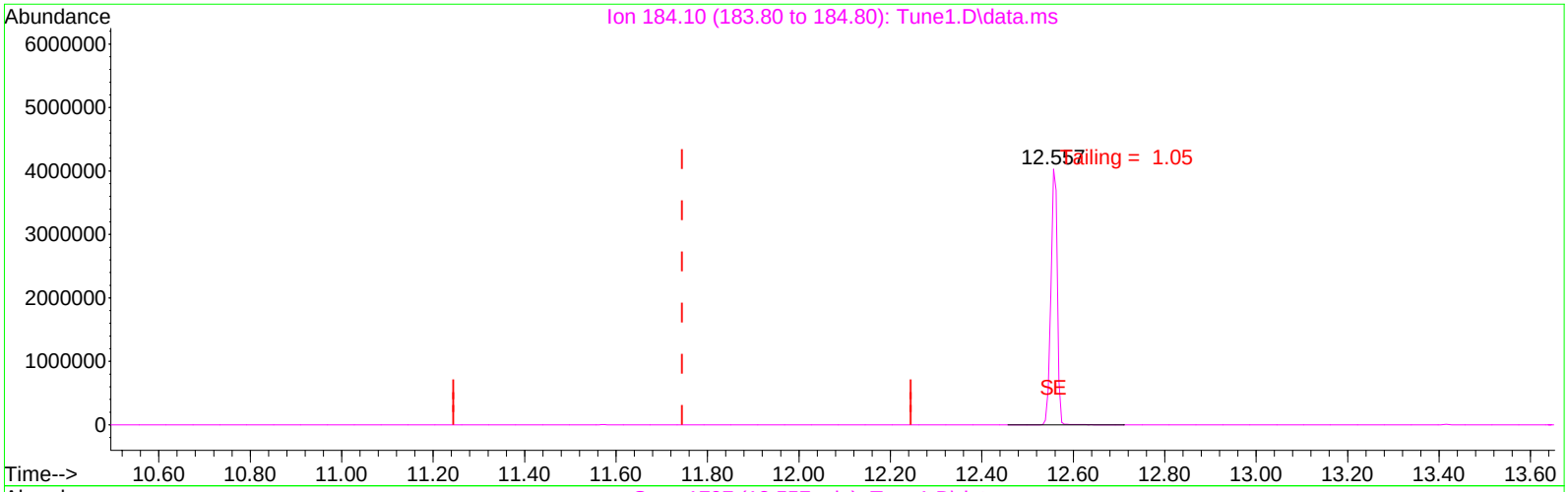
response 727717

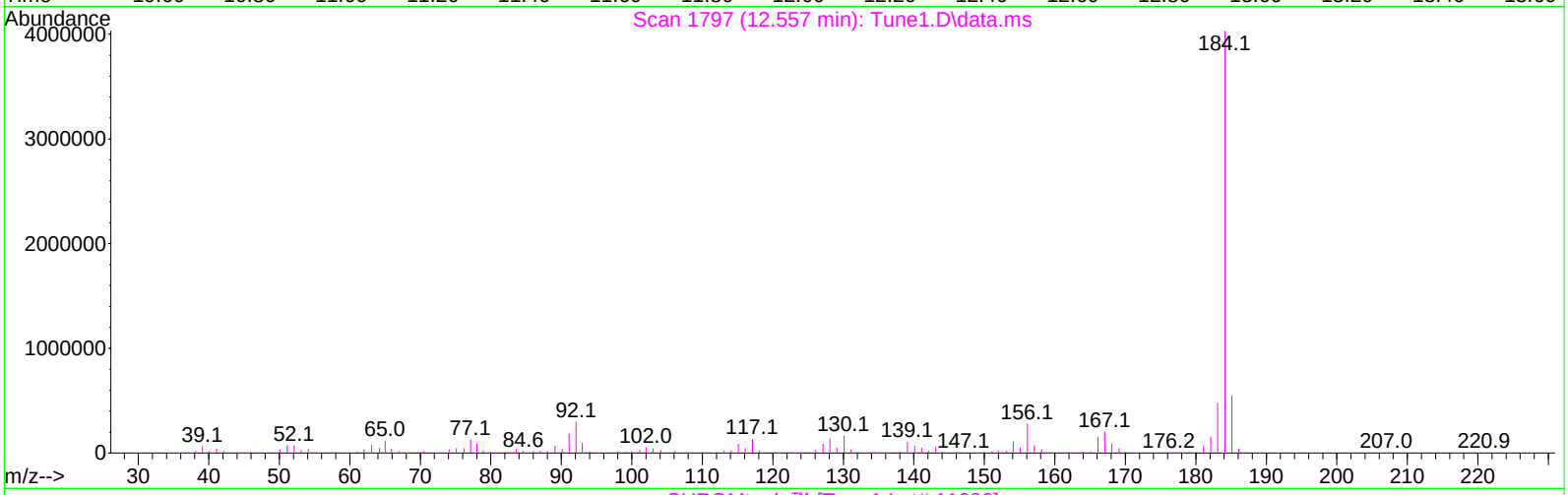
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 09 20:05:38 2024
Quant Method : I:\8270\SV106\241009RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Oct 06 06:11:48 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11080]

(3) Benzidine (T)

12.557min (+ 0.812) 386.56 M2

response 3935254

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	74560	4.000	ug/ml	# 0.00
Standard Area 1 = 69296			Recovery = 107.60%			
35) IS1_Naphthalene-d8	8.016	136	275431	4.000	ug/ml	0.00
Standard Area 1 = 264583			Recovery = 104.10%			
63) IS1_Acenaphthene-d10	9.775	164	170378	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 102.04%			
88) IS1_Phenanthrene-d10	11.222	188	335783	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 102.86%			
104) IS1_Chrysene-d12	13.880	240	360598	4.000	ug/ml	0.01
Standard Area 1 = 353807			Recovery = 101.92%			
113) IS1_Perylene-d12	15.357	264	385048	4.000	ug/ml	0.01
Standard Area 1 = 379737			Recovery = 101.40%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.769	112	1181054	54.805	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2740.25%#			
7) Phenol-d6	6.239	99	1433009	48.575	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2428.75%#			
19) Nitrobenzene-d5	7.251	82	1301740	43.145	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4314.50%#			
46) 2-Fluorobiphenyl	9.133	172	3230002	45.667	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4566.70%#			
79) 2,4,6-Tribromophenol	10.551	330	509334	47.965	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2398.25%#			
96) 4-Terphenyl-d14	12.810	244	4398016	48.711	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4871.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.299	74	743161	46.837	ug/ml#	67
3) Pyridine	2.328	79	1149105	44.275	ug/ml#	66
5) Aniline	6.204	93	1796082	47.037	ug/ml	95
6) 2-Chlorophenol	6.345	128	1329194	55.372	ug/ml	92
8) Phenol	6.257	94	1490044	48.690	ug/ml	97
9) Bis(2-chloroethyl)ether	6.328	93	1194874	47.543	ug/ml#	85
10) 1,3-Dichlorobenzene	6.528	146	1564709	54.281	ug/ml	98
11) 1,4-Dichlorobenzene	6.622	146	1580351	54.177	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	1514293	53.367	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.810	79	1062645	44.979	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.975	45	1854894	45.939	ug/ml#	56
15) 2-Methylphenol	6.969	108	1094022	49.632	ug/ml	98
16) Hexachloroethane	7.181	117	570349	49.138	ug/ml#	60
17) n-Nitrosodi-n-propylamine	7.128	70	918268	46.610	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.157	108	1188802	49.866	ug/ml	98
20) Nitrobenzene	7.275	77	1320199	43.102	ug/ml	97
21) Isophorone	7.551	82	2383423	46.326	ug/ml	98
22) 2-Nitrophenol	7.622	139	724763	56.207	ug/ml	88
23) 2,4-Dimethylphenol	7.722	107	1094240	45.107	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.816	93	1524948	46.018	ug/ml	98
25) 2,4-Dichlorophenol	7.886	162	1213671	52.808	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.969	180	1311393	46.591	ug/ml	96
36) Naphthalene	8.034	128	3930303	49.776	ug/ml	100
37) Benzoic Acid	7.904	105	996641	43.900	ug/ml	95
38) 4-Chloroaniline	8.116	65	454739	39.063	ug/ml	74
39) Hexachlorobutadiene	8.198	225	843919	40.496	ug/ml	99
40) p-Chloro-m-cresol	8.633	107	1126014	47.727	ug/ml	96
41) 2-Methylnaphthalene	8.751	142	2641293	50.193	ug/ml	97
42) 1-Methylnaphthalene	8.845	115	857123	42.892	ug/ml	96
43) Hexachlorocyclopentadiene	8.922	237	973395	42.107	ug/ml	99
44) 2,4,6-Trichlorophenol	9.045	196	996484	48.151	ug/ml	99
45) 2,4,5-Trichlorophenol	9.075	196	1070945	48.327	ug/ml	98
47) 2-Chloronaphthalene	9.228	162	2714409	48.509	ug/ml	96
48) 2-Nitroaniline	9.345	138	852481	50.567	ug/ml#	82
49) 1,4-Dinitrobenzene	9.480	168	440415	49.639	ug/ml#	72
50) 1,3-Dinitrobenzene	9.557	168	478257	47.303	ug/ml#	1
51) Dimethyl phthalate	9.557	163	3153002	46.298	ug/ml#	99
52) Acenaphthylene	9.633	152	4167487	48.652	ug/ml	100
53) 2,6-Dinitrotoluene	9.592	165	695345	47.422	ug/ml#	72
54) 1,2-Dinitrobenzene	9.645	168	289559	46.313	ug/ml#	1
64) 3-Nitroaniline	9.751	138	736995	54.177	ug/ml#	90
65) Acenaphthene	9.810	154	2430167	49.498	ug/ml	92
66) 2,4-Dinitrophenol	9.851	184	531316	58.485	ug/ml#	84
67) Dibenzofuran	9.980	168	3856625	46.767	ug/ml	95
68) 2,4-Dinitrotoluene	9.986	165	969550	47.938	ug/ml	86
69) 4-Nitrophenol	9.939	65	568465	41.265	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.069	232	926636	48.111	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.110	232	877466	47.364	ug/ml		98
72)	Diethyl phthalate	10.251	149	3256771	49.991	ug/ml		99
73)	Fluorene	10.316	166	3057557	47.146	ug/ml		94
74)	4-Chlorophenyl phenyl ...	10.327	204	1515059	44.387	ug/ml		90
75)	4-Nitroaniline	10.357	138	706331	49.872	ug/ml		82
76)	4,6-Dinitro-o-cresol	10.386	198	655908	57.857	ug/ml	#	59
77)	NDPA/DPA	10.451	169	2667684	49.606	ug/ml		99
78)	Azobenzene	10.486	77	2665664	43.282	ug/ml	#	92
80)	4-Bromophenyl phenyl e...	10.804	248	973702M3	45.721	ug/ml		
81)	Hexachlorobenzene	10.857	284	1067806	44.080	ug/ml	#	82
82)	Pentachlorophenol	11.051	266	773904	50.305	ug/ml		99
89)	Phenanthrene	11.245	178	4692549	50.038	ug/ml		100
90)	Anthracene	11.292	178	4831002	51.813	ug/ml		100
91)	Carbazole	11.463	167	4432036	51.879	ug/ml		100
92)	Di-n-butylphthalate	11.845	149	6037609	60.171	ug/ml	#	98
93)	Fluoranthene	12.404	202	5608475	48.916	ug/ml	#	92
94)	Benzidine	12.557	184	3596429	57.780	ug/ml	#	94
95)	Pyrene	12.621	202	5910145	48.897	ug/ml		99
97)	Butyl benzyl phthalate	13.333	149	2771604	60.014	ug/ml		87
105)	Benzo(a)anthracene	13.874	228	6081522	45.640	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.868	252	2226835	50.512	ug/ml	#	97
107)	Chrysene	13.915	228	5551583	43.097	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.974	149	4291464	58.259	ug/ml	#	93
109)	Di-n-octylphthalate	14.662	149	7663610	62.856	ug/ml	#	72
110)	Benzo(b)fluoranthene	14.992	252	6049795	46.920	ug/ml	#	94
111)	Benzo(k)fluoranthene	15.021	252	5651954M3	46.232	ug/ml		
112)	Benzo(a)pyrene	15.310	252	5512474M2	49.251	ug/ml		
114)	Indeno(1,2,3-cd)pyrene	16.380	276	5536258M6	53.154	ug/mL		
115)	Dibenzo(a,h)anthracene	16.404	278	5243490	52.291	ug/ml	#	90
116)	Benzo(ghi)perylene	16.651	276	4360525	46.984	ug/ml	#	87

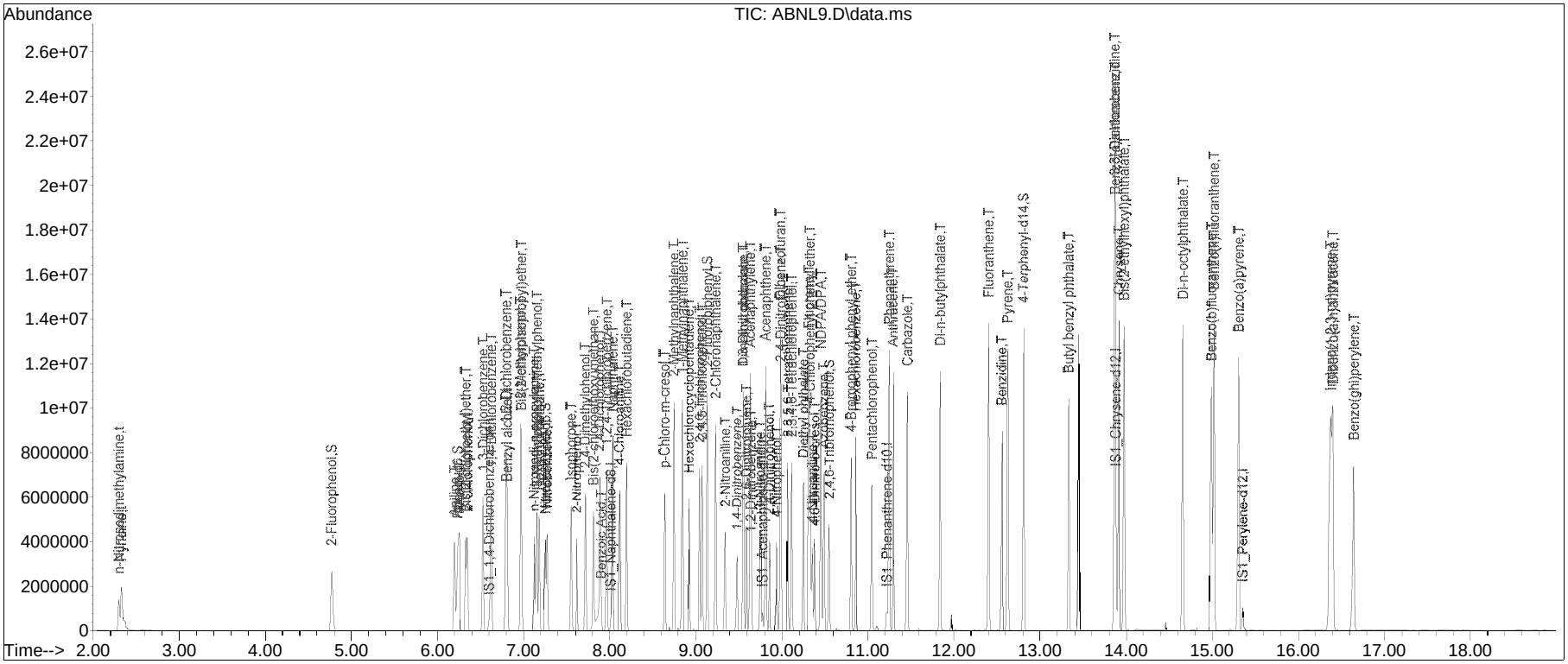
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

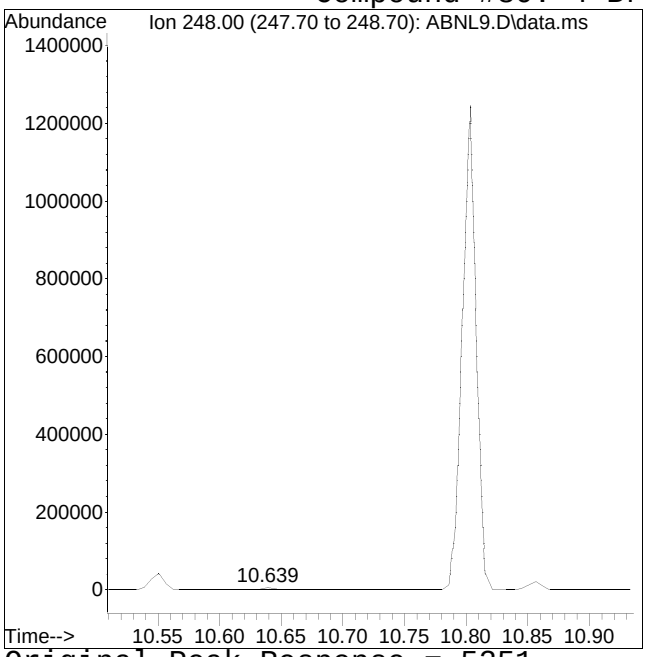
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

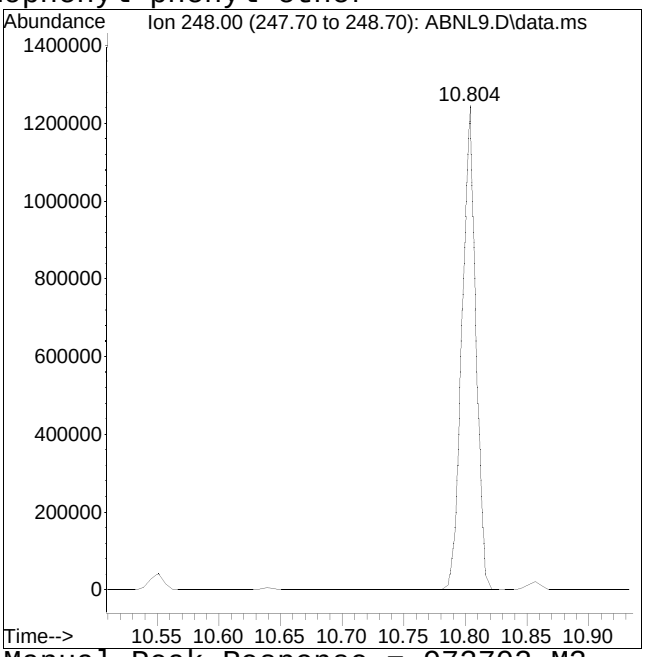


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #80: 4-Bromophenyl phenyl ether





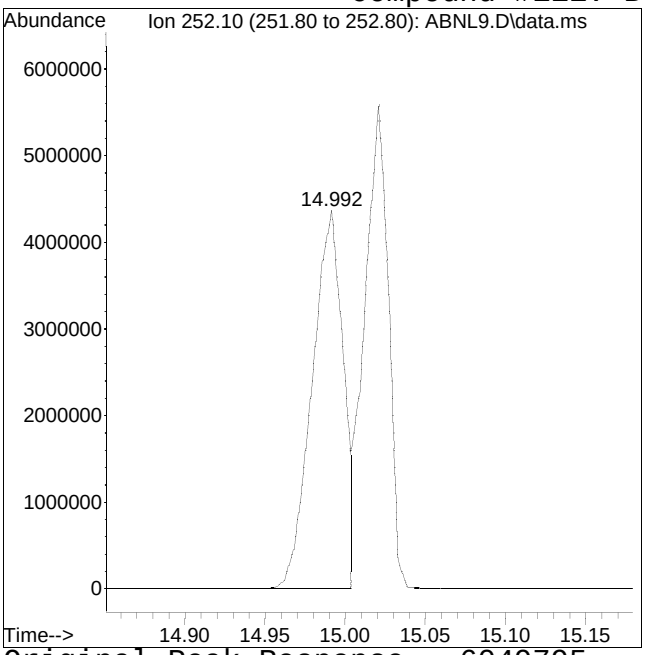
Original Peak Response = 5251 Manual Peak Response = 973702 M3

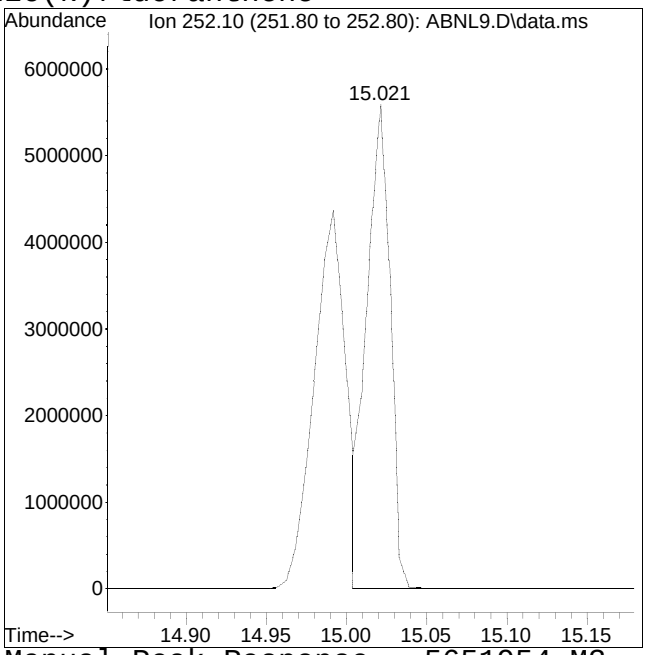
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #111: Benzo(k)fluoranthene



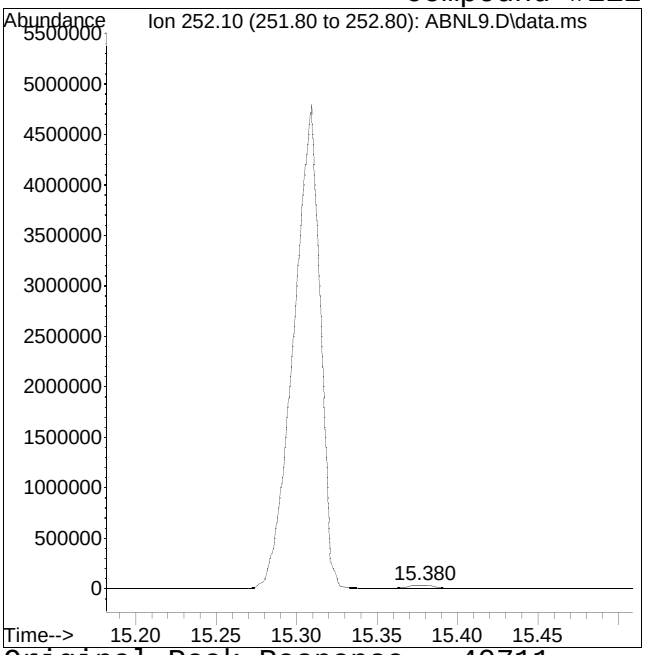


Original Peak Response = 6049795 Manual Peak Response = 5651954 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

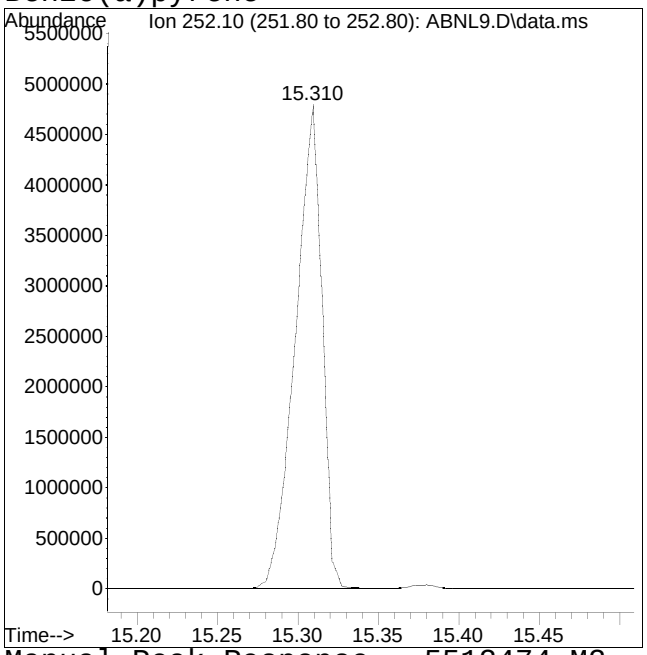
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 40711



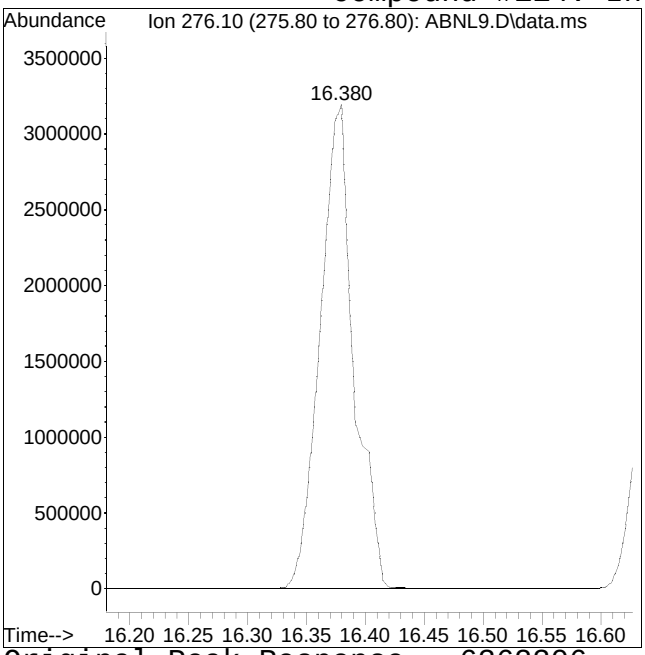
Manual Peak Response = 5512474 M2

M2 = Peak not found by automatic integration algorithm.

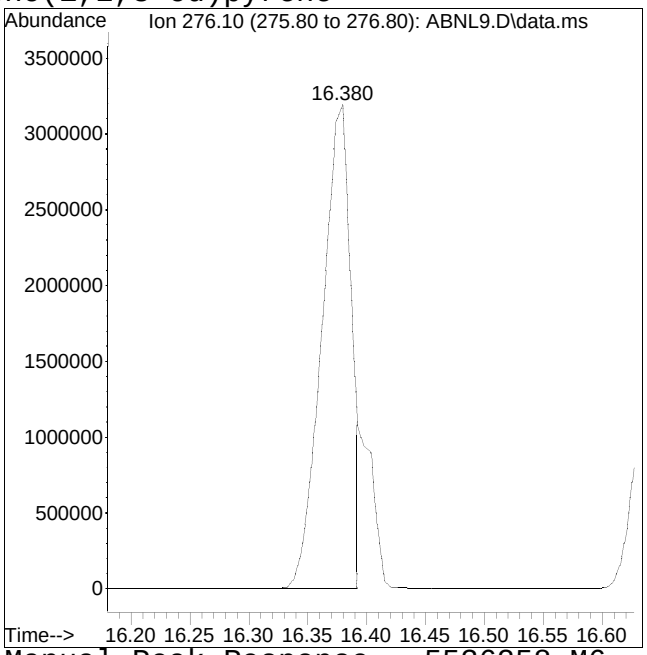
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 6362306



Manual Peak Response = 5536258 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	69692	4.000	ug/ml	# 0.00
Standard Area 1 = 69296			Recovery = 100.57%			
35) IS1_Naphthalene-d8	8.010	136	258719	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 97.78%			
63) IS1_Acenaphthene-d10	9.775	164	154939	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 92.79%			
88) IS1_Phenanthrene-d10	11.216	188	294376	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 90.17%			
104) IS1_Chrysene-d12	13.874	240	314886	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 89.00%			
113) IS1_Perylene-d12	15.345	264	342705	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 90.25%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.769	112	549260	27.268	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1363.40%#			
7) Phenol-d6	6.228	99	649095	23.539	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1176.95%#			
19) Nitrobenzene-d5	7.245	82	595158	21.104	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2110.40%#			
46) 2-Fluorobiphenyl	9.128	172	1461913	22.004	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2200.40%#			
79) 2,4,6-Tribromophenol	10.545	330	227738	23.583	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1179.15%#			
96) 4-Terphenyl-d14	12.804	244	1972266	24.917	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2491.70%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.293	74	330743	22.301	ug/ml#	67
3) Pyridine	2.328	79	525087	21.645	ug/ml#	65
5) Aniline	6.198	93	803286	22.506	ug/ml	96
6) 2-Chlorophenol	6.346	128	601267	26.797	ug/ml	91
8) Phenol	6.246	94	680744	23.798	ug/ml	95
9) Bis(2-chloroethyl)ether	6.322	93	541237	23.040	ug/ml#	85
10) 1,3-Dichlorobenzene	6.528	146	718099	26.651	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	724265	26.563	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	688287	25.951	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	468603	21.220	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.975	45	842726	22.329	ug/ml#	56
15) 2-Methylphenol	6.969	108	500029	24.269	ug/ml	98
16) Hexachloroethane	7.181	117	266748	24.587	ug/ml#	61
17) n-Nitrosodi-n-propylamine	7.122	70	409377	22.231	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.151	108	541583	24.305	ug/ml	98
20) Nitrobenzene	7.269	77	600184	20.964	ug/ml	96
21) Isophorone	7.545	82	1067020	22.188	ug/ml	99
22) 2-Nitrophenol	7.622	139	336029	27.880	ug/ml#	87
23) 2,4-Dimethylphenol	7.716	107	479645	21.153	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	685342	22.126	ug/ml	99
25) 2,4-Dichlorophenol	7.887	162	555272	25.848	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.963	180	611172	23.231	ug/ml	96
36) Naphthalene	8.034	128	1787204	24.097	ug/ml	100
37) Benzoic Acid	7.857	105	446018	22.358	ug/ml	94
38) 4-Chloroaniline	8.110	65	209528	19.161	ug/ml	74
39) Hexachlorobutadiene	8.198	225	380449	19.436	ug/ml	100
40) p-Chloro-m-cresol	8.634	107	507159	22.885	ug/ml	95
41) 2-Methylnaphthalene	8.745	142	1213431	24.549	ug/ml	97
42) 1-Methylnaphthalene	8.845	115	388324	20.688	ug/ml	97
43) Hexachlorocyclopentadiene	8.922	237	433985	19.986	ug/ml	100
44) 2,4,6-Trichlorophenol	9.039	196	454935	23.403	ug/ml	99
45) 2,4,5-Trichlorophenol	9.069	196	473916	22.767	ug/ml	100
47) 2-Chloronaphthalene	9.228	162	1234483	23.486	ug/ml	96
48) 2-Nitroaniline	9.339	138	389403	24.591	ug/ml#	82
49) 1,4-Dinitrobenzene	9.475	168	200966M3	24.114	ug/ml	
50) 1,3-Dinitrobenzene	9.551	168	215931	22.737	ug/ml#	1
51) Dimethyl phthalate	9.545	163	1415733	22.131	ug/ml#	98
52) Acenaphthylene	9.628	152	1883367	23.407	ug/ml	99
53) 2,6-Dinitrotoluene	9.586	165	317392	23.044	ug/ml#	72
54) 1,2-Dinitrobenzene	9.634	168	130396	22.203	ug/ml#	1
64) 3-Nitroaniline	9.745	138	335120	27.090	ug/ml#	90
65) Acenaphthene	9.804	154	1111714	24.900	ug/ml	92
66) 2,4-Dinitrophenol	9.845	184	233112	28.217	ug/ml#	83
67) Dibenzofuran	9.975	168	1754838	23.400	ug/ml	96
68) 2,4-Dinitrotoluene	9.981	165	438832	23.860	ug/ml	86
69) 4-Nitrophenol	9.928	65	258141	20.606	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.063	232	418301	23.883	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	392681	23.308	ug/ml		97
72)	Diethyl phthalate	10.239	149	1460423	24.651	ug/ml		99
73)	Fluorene	10.310	166	1380410	23.406	ug/ml		94
74)	4-Chlorophenyl phenyl ...	10.328	204	693168	22.331	ug/ml		89
75)	4-Nitroaniline	10.339	138	344590	26.755	ug/ml	#	80
76)	4,6-Dinitro-o-cresol	10.375	198	290744	28.202	ug/ml	#	58
77)	NDPA/DPA	10.445	169	1205904	24.658	ug/ml		99
78)	Azobenzene	10.481	77	1187171	21.197	ug/ml	#	91
80)	4-Bromophenyl phenyl e...	10.798	248	431456M3	22.278	ug/ml		
81)	Hexachlorobenzene	10.851	284	480648	21.819	ug/ml	#	83
82)	Pentachlorophenol	11.045	266	340151	24.313	ug/ml		99
89)	Phenanthrene	11.239	178	2104839	25.602	ug/ml		100
90)	Anthracene	11.286	178	2154475	26.357	ug/ml		100
91)	Carbazole	11.457	167	2004699	26.767	ug/ml		100
92)	Di-n-butylphthalate	11.839	149	2635226	29.957	ug/ml	#	98
93)	Fluoranthene	12.398	202	2548112	25.350	ug/ml	#	92
94)	Benzidine	12.551	184	1602442	29.366	ug/ml	#	95
95)	Pyrene	12.616	202	2656050	25.066	ug/ml		100
97)	Butyl benzyl phthalate	13.333	149	1187650	29.334	ug/ml		87
105)	Benzo(a)anthracene	13.863	228	2736082	23.514	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.863	252	1015007	26.366	ug/ml	#	97
107)	Chrysene	13.904	228	2548395	22.655	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.969	149	1820683	28.305	ug/ml	#	93
109)	Di-n-octylphthalate	14.657	149	3257778	30.599	ug/ml	#	72
110)	Benzo(b)fluoranthene	14.980	252	2684585	23.843	ug/ml	#	94
111)	Benzo(k)fluoranthene	15.010	252	2622344	24.564	ug/ml	#	94
112)	Benzo(a)pyrene	15.298	252	2491135	25.488	ug/ml	#	94
114)	Indeno(1,2,3-cd)pyrene	16.363	276	2826049M6	30.486	ug/mL		
115)	Dibenzo(a,h)anthracene	16.386	278	2574655	28.849	ug/ml	#	90
116)	Benzo(ghi)perylene	16.633	276	2402943	29.091	ug/ml	#	87

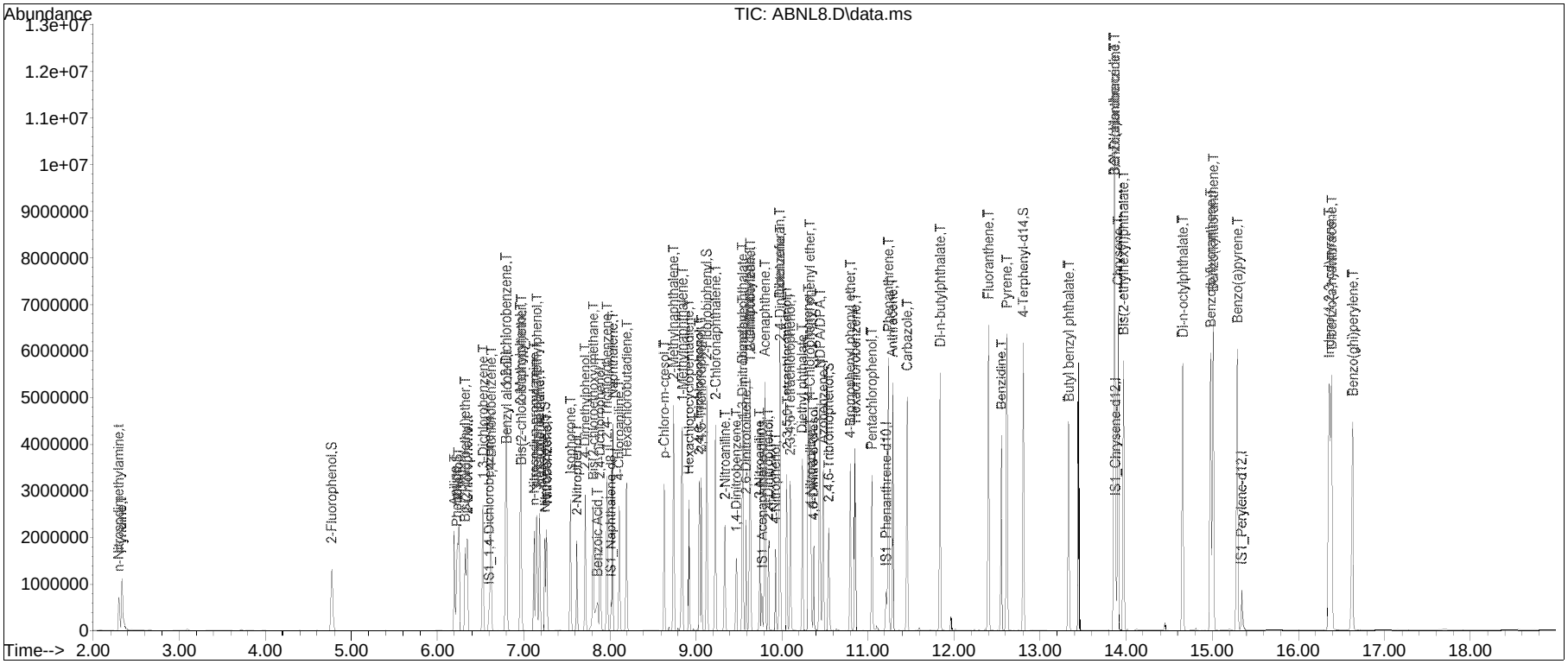
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

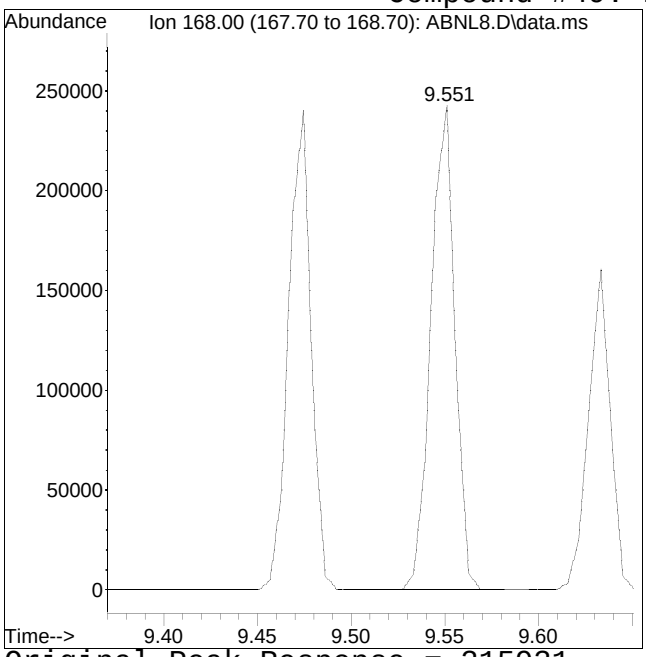
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

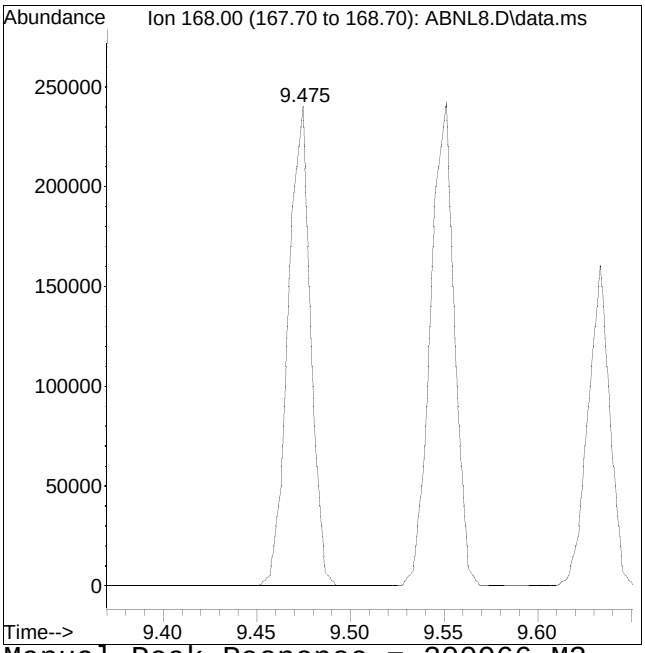


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL8.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:30 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11005 Quant Date : 10/11/2024 11:13 am

Compound #49: 1,4-Dinitrobenzene



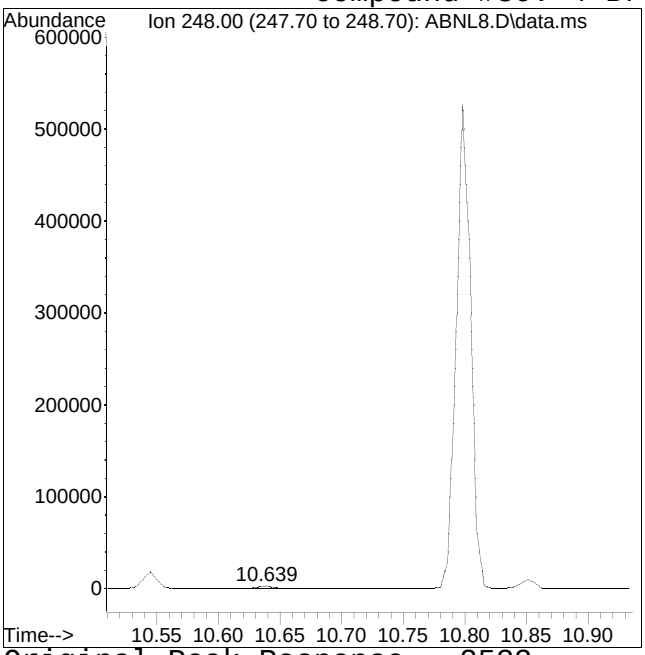


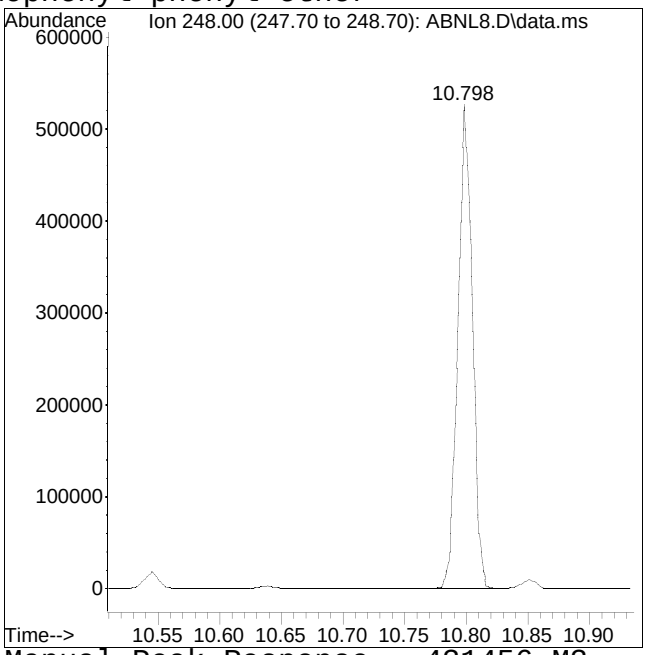
Original Peak Response = 215931 Manual Peak Response = 200966 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL8.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:30 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11005 Quant Date : 10/11/2024 11:13 am

Compound #80: 4-Bromophenyl phenyl ether





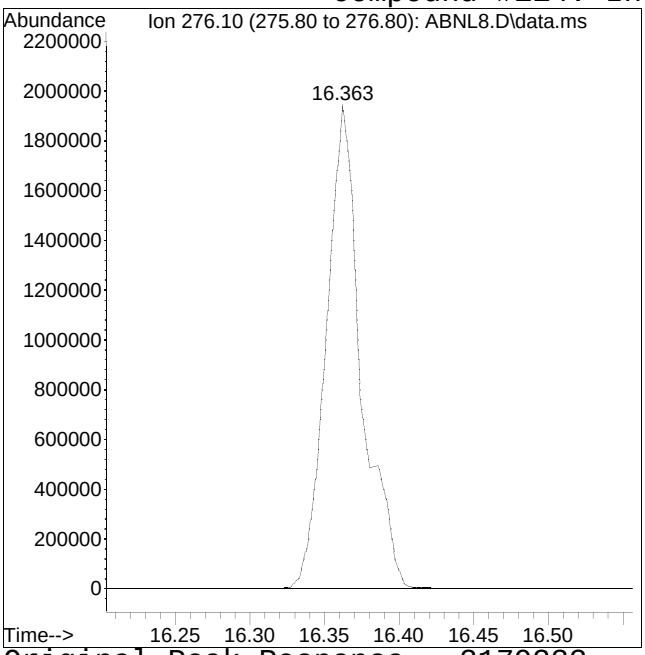
Original Peak Response = 2533 Manual Peak Response = 431456 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

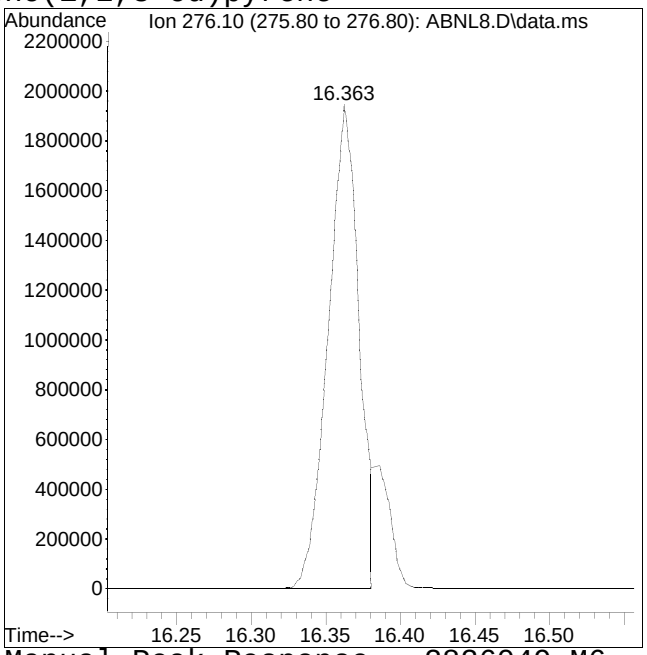
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL8.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:30 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11005 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3179333



Manual Peak Response = 2826049 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	74123	4.000	ug/ml	# 0.00
Standard Area 1 = 69296			Recovery = 106.97%			
35) IS1_Naphthalene-d8	8.010	136	279694	4.000	ug/ml	0.00
Standard Area 1 = 264583			Recovery = 105.71%			
63) IS1_Acenaphthene-d10	9.775	164	172802	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 103.49%			
88) IS1_Phenanthrene-d10	11.216	188	346318	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 106.08%			
104) IS1_Chrysene-d12	13.868	240	380782	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 107.62%			
113) IS1_Perylene-d12	15.345	264	393856	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 103.72%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	218401	10.194	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 509.70%#			
7) Phenol-d6	6.228	99	266712	9.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 454.70%#			
19) Nitrobenzene-d5	7.245	82	246307	8.212	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 821.20%#			
46) 2-Fluorobiphenyl	9.128	172	626231	8.719	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 871.90%#			
79) 2,4,6-Tribromophenol	10.545	330	100484	9.330	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 466.50%#			
96) 4-Terphenyl-d14	12.804	244	911314	9.786	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 978.60%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.305	74	134103	8.502	ug/ml#	68
3) Pyridine	2.340	79	216081	8.375	ug/ml#	66
5) Aniline	6.198	93	326188	8.593	ug/ml	97
6) 2-Chlorophenol	6.340	128	246173	10.316	ug/ml	92
8) Phenol	6.245	94	279454	9.185	ug/ml	96
9) Bis(2-chloroethyl)ether	6.322	93	225102	9.009	ug/ml	86
10) 1,3-Dichlorobenzene	6.528	146	294086	10.262	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	293845	10.133	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	283461	10.049	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	193962	8.258	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.975	45	349801	8.714	ug/ml#	57
15) 2-Methylphenol	6.963	108	203931	9.306	ug/ml	97
16) Hexachloroethane	7.181	117	108287	9.384	ug/ml#	62
17) n-Nitrosodi-n-propylamine	7.122	70	169671	8.663	ug/ml	97
18) 3-Methylphenol/4-Methy...	7.151	108	222673	9.395	ug/ml	96
20) Nitrobenzene	7.269	77	252563	8.294	ug/ml	98
21) Isophorone	7.545	82	446178	8.723	ug/ml	99
22) 2-Nitrophenol	7.622	139	133535	10.417	ug/ml	90
23) 2,4-Dimethylphenol	7.716	107	200205	8.302	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	292285	8.872	ug/ml	99
25) 2,4-Dichlorophenol	7.881	162	228319	9.993	ug/ml	94
26) 1,2,4-Trichlorobenzene	7.963	180	255921	9.146	ug/ml	97
36) Naphthalene	8.034	128	745981	9.304	ug/ml	99
37) Benzoic Acid	7.822	105	169956	8.433	ug/ml	95
38) 4-Chloroaniline	8.110	65	87849	7.431	ug/ml	73
39) Hexachlorobutadiene	8.198	225	158039	7.468	ug/ml	100
40) p-Chloro-m-cresol	8.633	107	212079	8.852	ug/ml	93
41) 2-Methylnaphthalene	8.745	142	507496	9.497	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	161285	7.948	ug/ml	93
43) Hexachlorocyclopentadiene	8.922	237	181287	7.723	ug/ml	99
44) 2,4,6-Trichlorophenol	9.039	196	194353	9.248	ug/ml	99
45) 2,4,5-Trichlorophenol	9.069	196	200910	8.928	ug/ml	98
47) 2-Chloronaphthalene	9.228	162	533279	9.385	ug/ml	96
48) 2-Nitroaniline	9.339	138	168307	9.831	ug/ml#	82
49) 1,4-Dinitrobenzene	9.469	168	85945	9.539	ug/ml#	72
50) 1,3-Dinitrobenzene	9.545	168	95905	9.341	ug/ml#	1
51) Dimethyl phthalate	9.539	163	633492	9.160	ug/ml#	98
52) Acenaphthylene	9.628	152	813240	9.349	ug/ml	100
53) 2,6-Dinitrotoluene	9.586	165	139583	9.374	ug/ml#	73
54) 1,2-Dinitrobenzene	9.628	168	59620	9.390	ug/ml#	1
64) 3-Nitroaniline	9.739	138	145058	10.514	ug/ml#	92
65) Acenaphthene	9.804	154	475284	9.545	ug/ml	91
66) 2,4-Dinitrophenol	9.845	184	96630	10.487	ug/ml#	83
67) Dibenzofuran	9.975	168	758470	9.069	ug/ml	95
68) 2,4-Dinitrotoluene	9.975	165	189184	9.223	ug/ml	87
69) 4-Nitrophenol	9.928	65	111120	7.953	ug/ml#	79
70) 2,3,5,6-Tetrachlorophenol	10.063	232	180474	9.239	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	172491	9.180	ug/ml		97
72)	Diethyl phthalate	10.239	149	638510	9.663	ug/ml		99
73)	Fluorene	10.310	166	611701	9.300	ug/ml		95
74)	4-Chlorophenyl phenyl ...	10.328	204	306584	8.856	ug/ml		89
75)	4-Nitroaniline	10.333	138	151370	10.538	ug/ml	#	79
76)	4,6-Dinitro-o-cresol	10.369	198	123077	10.704	ug/ml	#	58
77)	NDPA/DPA	10.439	169	538785	9.878	ug/ml		99
78)	Azobenzene	10.475	77	521328	8.346	ug/ml	#	90
80)	4-Bromophenyl phenyl e...	10.798	248	194301M3	8.996	ug/ml		
81)	Hexachlorobenzene	10.851	284	212215	8.638	ug/ml	#	82
82)	Pentachlorophenol	11.045	266	147530	9.455	ug/ml		99
89)	Phenanthrene	11.239	178	949421	9.816	ug/ml		99
90)	Anthracene	11.286	178	962312	10.007	ug/ml		100
91)	Carbazole	11.451	167	895995	10.169	ug/ml		99
92)	Di-n-butylphthalate	11.839	149	1193514	11.533	ug/ml		99
93)	Fluoranthene	12.398	202	1144667	9.680	ug/ml	#	92
94)	Benzidine	12.545	184	736147	11.467	ug/ml	#	95
95)	Pyrene	12.616	202	1216186	9.756	ug/ml		99
97)	Butyl benzyl phthalate	13.327	149	534359	11.219	ug/ml		87
105)	Benzo(a)anthracene	13.863	228	1232284	8.758	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.857	252	449887	9.664	ug/ml	#	97
107)	Chrysene	13.898	228	1150295	8.457	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	854452	10.985	ug/ml	#	93
109)	Di-n-octylphthalate	14.651	149	1479451	11.491	ug/ml	#	72
110)	Benzo(b)fluoranthene	14.974	252	1282730	9.421	ug/ml	#	91
111)	Benzo(k)fluoranthene	15.004	252	1069880	8.288	ug/ml	#	92
112)	Benzo(a)pyrene	15.292	252	1088576M2	9.210	ug/ml		
114)	Indeno(1,2,3-cd)pyrene	16.357	276	1235655M6	11.598	ug/mL		
115)	Dibenzo(a,h)anthracene	16.380	278	1135928	11.075	ug/ml	#	90
116)	Benzo(ghi)perylene	16.621	276	1063003	11.198	ug/ml	#	87

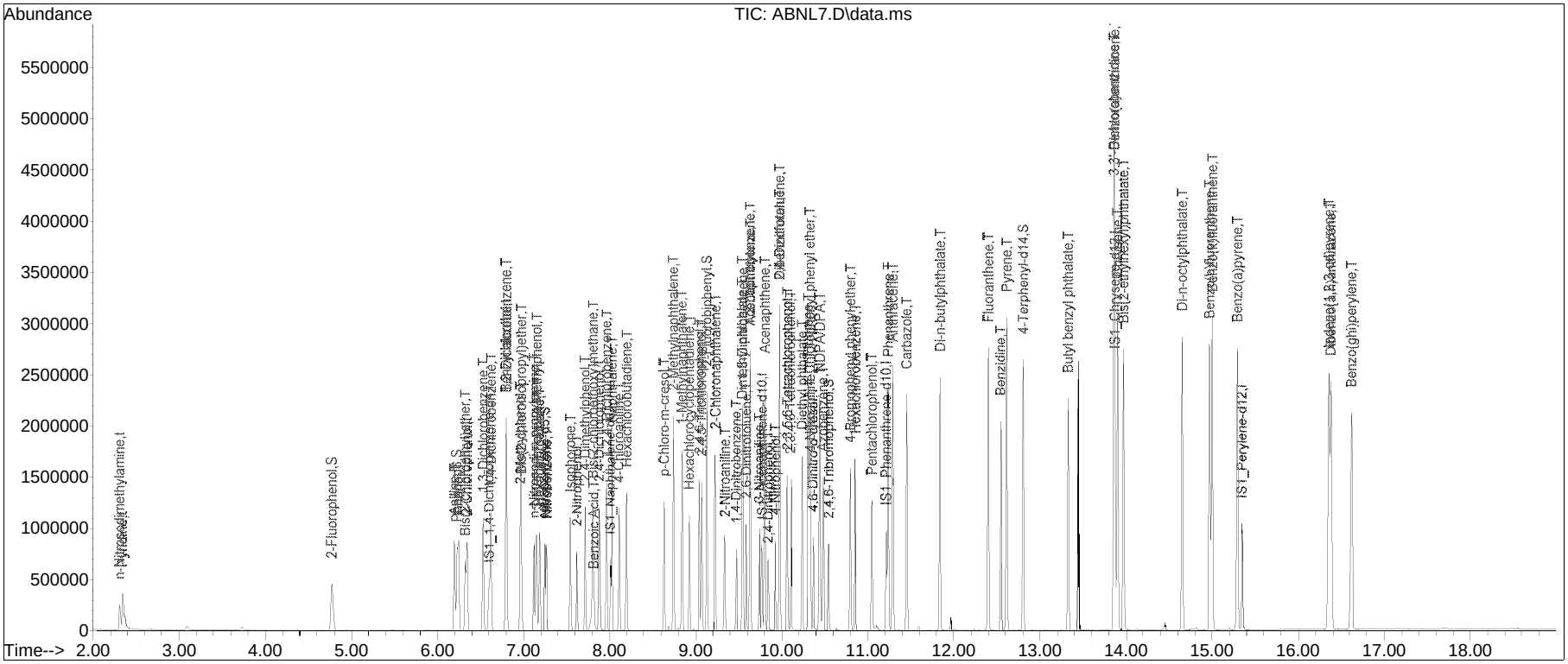
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

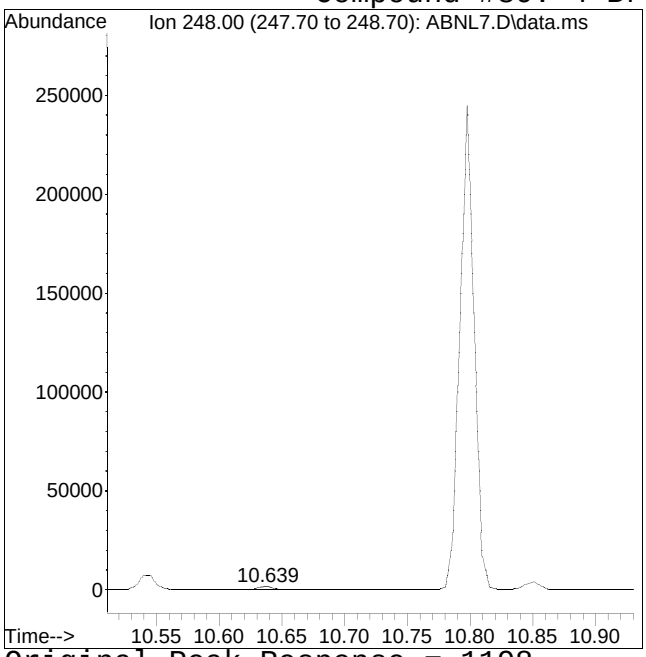
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

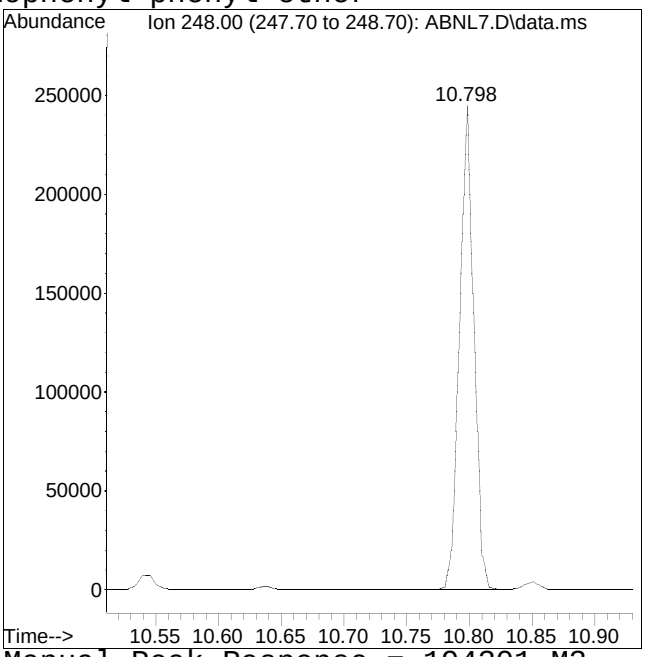


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL7.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:54 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11006 Quant Date : 10/11/2024 11:13 am

Compound #80: 4-Bromophenyl phenyl ether





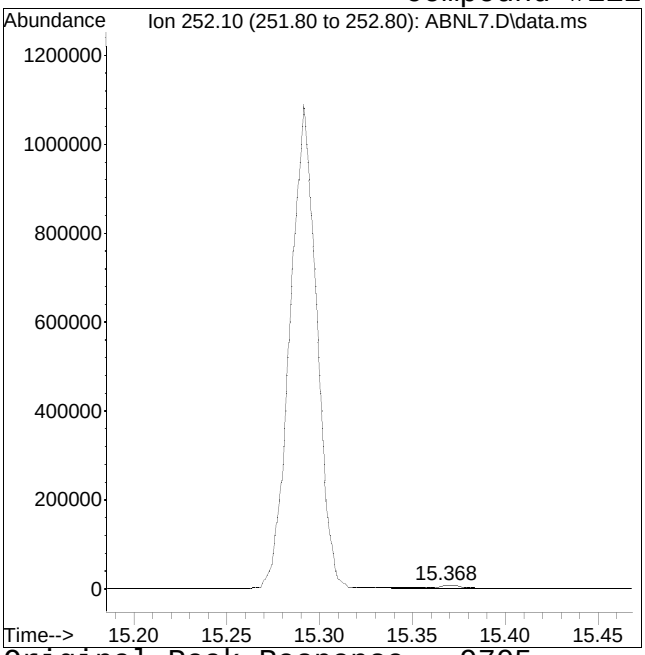
Original Peak Response = 1198 Manual Peak Response = 194301 M3

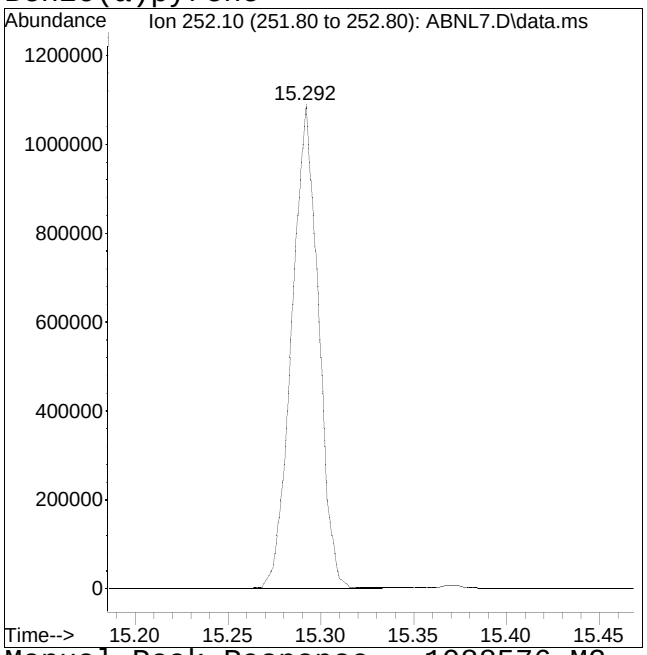
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL7.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:54 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11006 Quant Date : 10/11/2024 11:13 am

Compound #112: Benzo(a)pyrene



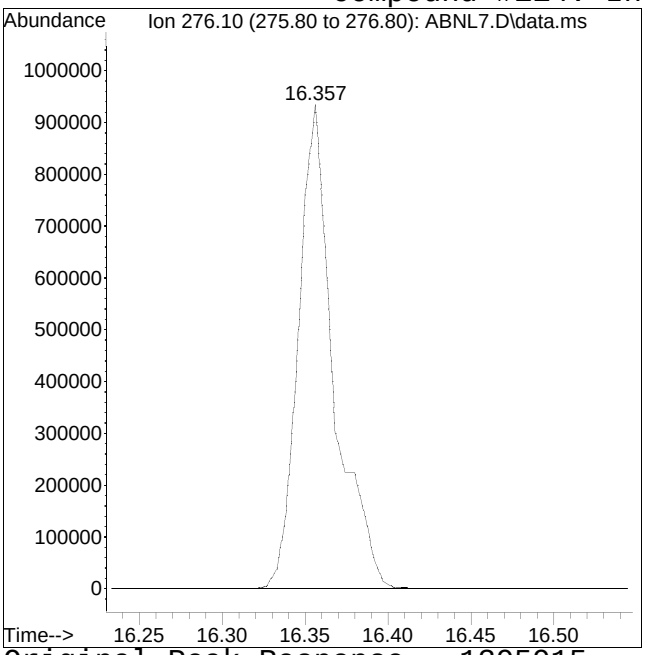


Original Peak Response = 9705 Manual Peak Response = 1088576 M2
M2 = Peak not found by automatic integration algorithm.

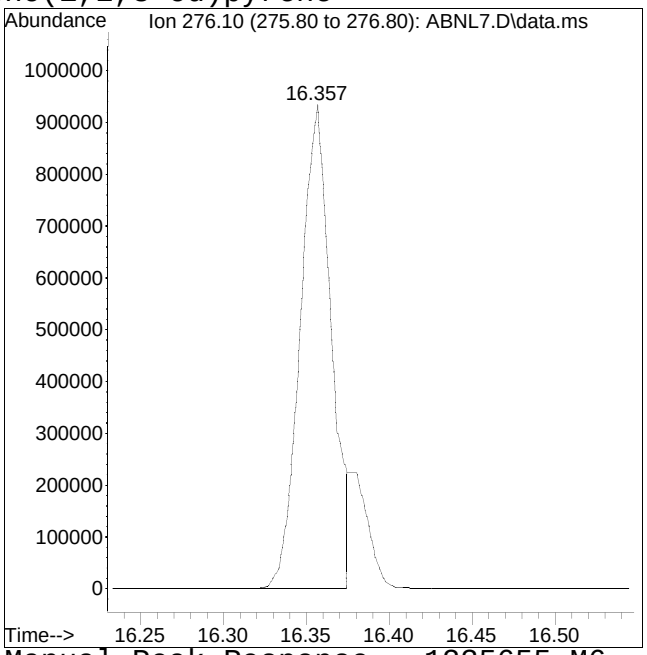
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL7.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:54 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11006 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1395915



Manual Peak Response = 1235655 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.598	152	69296	4.000 ug/ml	0.00
Standard Area 1 = 69296			Recovery = 100.00%		
35) IS1_Naphthalene-d8	8.010	136	264583	4.000 ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 100.00%		
63) IS1_Acenaphthene-d10	9.769	164	166975	4.000 ug/ml	0.00
Standard Area 1 = 166975			Recovery = 100.00%		
88) IS1_Phenanthrene-d10	11.216	188	326455	4.000 ug/ml	0.00
Standard Area 1 = 326455			Recovery = 100.00%		
104) IS1_Chrysene-d12	13.868	240	353807	4.000 ug/ml	0.00
Standard Area 1 = 353807			Recovery = 100.00%		
113) IS1_Perylene-d12	15.345	264	379737	4.000 ug/ml	0.00
Standard Area 1 = 379737			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.775	112	106392	5.312 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 265.60%#		
7) Phenol-d6	6.228	99	127394	4.646 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 232.30%#		
19) Nitrobenzene-d5	7.245	82	118933	4.241 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 424.10%#		
46) 2-Fluorobiphenyl	9.127	172	303510	4.467 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 446.70%#		
79) 2,4,6-Tribromophenol	10.545	330	47874	4.600 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 230.00%#		
96) 4-Terphenyl-d14	12.804	244	432325	4.925 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 492.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.304	74	65510	4.442 ug/ml#	67
3) Pyridine	2.340	79	104822	4.346 ug/ml#	64
5) Aniline	6.198	93	157418	4.436 ug/ml	96
6) 2-Chlorophenol	6.339	128	120089	5.383 ug/ml	92
8) Phenol	6.245	94	135949	4.780 ug/ml	96
9) Bis(2-chloroethyl)ether	6.322	93	111711	4.783 ug/ml	87
10) 1,3-Dichlorobenzene	6.528	146	141682	5.288 ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	143120	5.279 ug/ml	97
12) 1,2-Dichlorobenzene	6.798	146	139337	5.284 ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	92144	4.196	ug/ml	99
14) Bis(2-chloroisopropyl)...	6.975	45	170670	4.548	ug/ml#	58
15) 2-Methylphenol	6.963	108	98765	4.821	ug/ml	99
16) Hexachloroethane	7.181	117	52022	4.822	ug/ml#	61
17) n-Nitrosodi-n-propylamine	7.122	70	83145	4.541	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.145	108	108248	4.886	ug/ml	98
20) Nitrobenzene	7.269	77	119875	4.211	ug/ml	97
21) Isophorone	7.539	82	214897	4.494	ug/ml	99
22) 2-Nitrophenol	7.622	139	65108	5.433	ug/ml#	87
23) 2,4-Dimethylphenol	7.716	107	97372	4.319	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.810	93	142321	4.621	ug/ml	98
25) 2,4-Dichlorophenol	7.880	162	112858	5.284	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.963	180	122241	4.673	ug/ml	96
36) Naphthalene	8.033	128	360278	4.750	ug/ml	100
37) Benzoic Acid	7.798	105	70508	3.951	ug/ml	92
38) 4-Chloroaniline	8.110	65	42744	3.822	ug/ml	75
39) Hexachlorobutadiene	8.198	225	79068	3.950	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	100818	4.448	ug/ml	95
41) 2-Methylnaphthalene	8.745	142	247048	4.887	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	78250	4.076	ug/ml	92
43) Hexachlorocyclopentadiene	8.922	237	86254	3.884	ug/ml	99
44) 2,4,6-Trichlorophenol	9.039	196	94100	4.733	ug/ml	97
45) 2,4,5-Trichlorophenol	9.069	196	95342	4.479	ug/ml	99
47) 2-Chloronaphthalene	9.222	162	254190	4.729	ug/ml	95
48) 2-Nitroaniline	9.333	138	77370	4.778	ug/ml#	83
49) 1,4-Dinitrobenzene	9.469	168	40269	4.725	ug/ml#	73
50) 1,3-Dinitrobenzene	9.545	168	44940	4.627	ug/ml#	1
51) Dimethyl phthalate	9.539	163	311840	4.767	ug/ml#	99
52) Acenaphthylene	9.627	152	389169	4.730	ug/ml	99
53) 2,6-Dinitrotoluene	9.580	165	67434	4.787	ug/ml#	72
54) 1,2-Dinitrobenzene	9.627	168	28290	4.710	ug/ml#	1
64) 3-Nitroaniline	9.739	138	69790	5.235	ug/ml#	92
65) Acenaphthene	9.804	154	230981	4.800	ug/ml	92
66) 2,4-Dinitrophenol	9.839	184	41274	4.636	ug/ml#	85
67) Dibenzofuran	9.974	168	368723	4.562	ug/ml	95
68) 2,4-Dinitrotoluene	9.974	165	91370	4.610	ug/ml	88
69) 4-Nitrophenol	9.922	65	53228	3.943	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	10.063	232	84691	4.487	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	83438	4.596	ug/ml	98
72)	Diethyl phthalate	10.233	149	309080	4.841	ug/ml	99
73)	Fluorene	10.310	166	297535	4.681	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.327	204	150570	4.501	ug/ml	89
75)	4-Nitroaniline	10.333	138	69338	4.996	ug/ml#	80
76)	4,6-Dinitro-o-cresol	10.369	198	54901	4.941	ug/ml#	60
77)	NDPA/DPA	10.439	169	262130	4.974	ug/ml	99
78)	Azobenzene	10.474	77	258347	4.280	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.798	248	94725	4.539	ug/ml#	83
81)	Hexachlorobenzene	10.851	284	103176	4.346	ug/ml#	82
82)	Pentachlorophenol	11.045	266	67884	4.502	ug/ml	98
89)	Phenanthrene	11.233	178	458834	5.032	ug/ml	100
90)	Anthracene	11.286	178	455499	5.025	ug/ml	99
91)	Carbazole	11.451	167	426360	5.133	ug/ml	99
92)	Di-n-butylphthalate	11.839	149	551825	5.657	ug/ml	99
93)	Fluoranthene	12.392	202	549789	4.932	ug/ml#	93
94)	Benzidine	12.545	184	343170	5.671	ug/ml#	95
95)	Pyrene	12.615	202	575183	4.895	ug/ml	100
97)	Butyl benzyl phthalate	13.327	149	244971	5.456	ug/ml	86
105)	Benzo(a)anthracene	13.857	228	581936	4.451	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.857	252	207146	4.789	ug/ml#	96
107)	Chrysene	13.898	228	557157	4.408	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	396173	5.481	ug/ml#	93
109)	Di-n-octylphthalate	14.651	149	665863	5.566	ug/ml#	72
110)	Benzo(b)fluoranthene	14.974	252	568512	4.494	ug/ml#	95
111)	Benzo(k)fluoranthene	14.998	252	555881	4.634	ug/ml#	94
112)	Benzo(a)pyrene	15.292	252	512962	4.671	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.351	276	574632M6	5.594	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	551268	5.574	ug/ml#	89
116)	Benzo(ghi)perylene	16.621	276	515451	5.632	ug/ml#	87

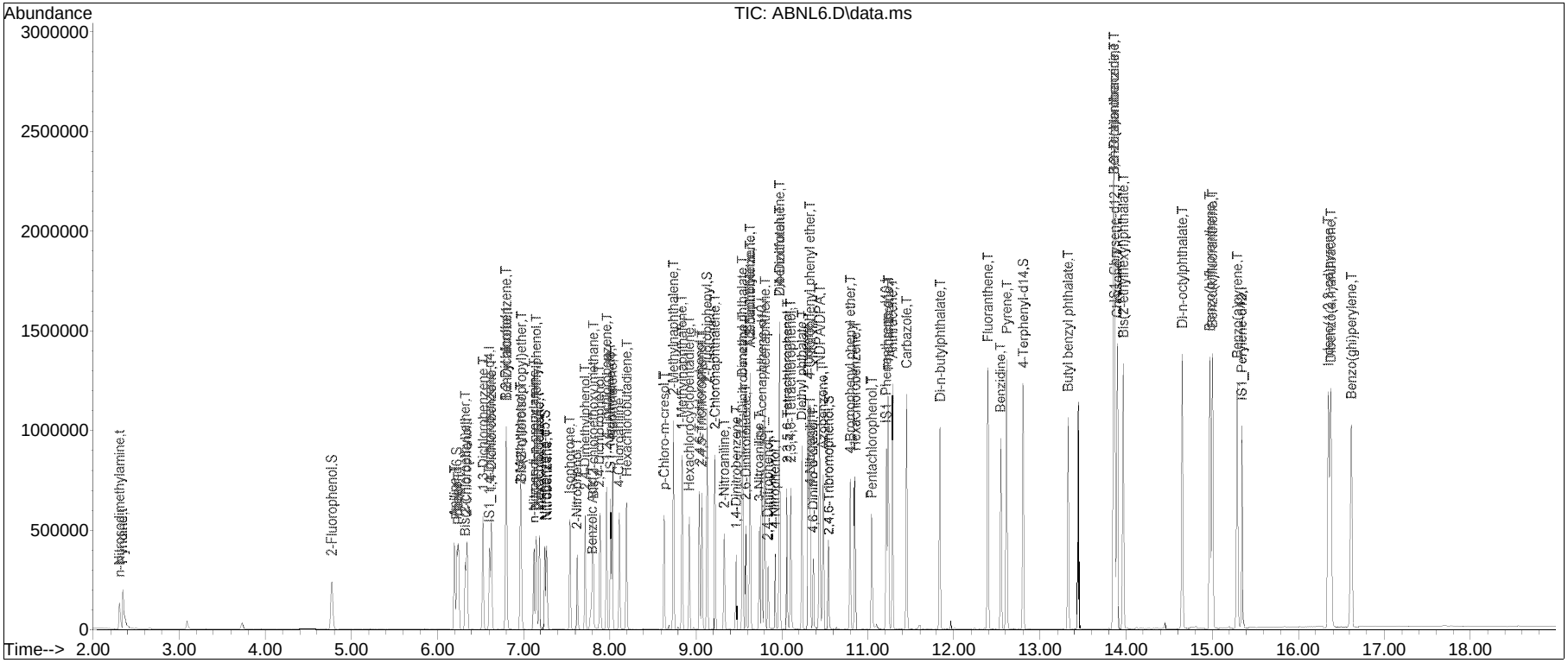
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

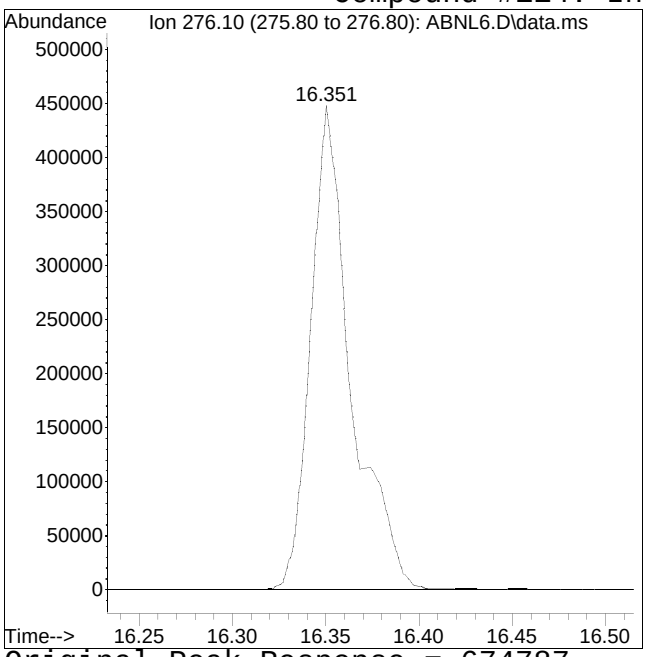
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



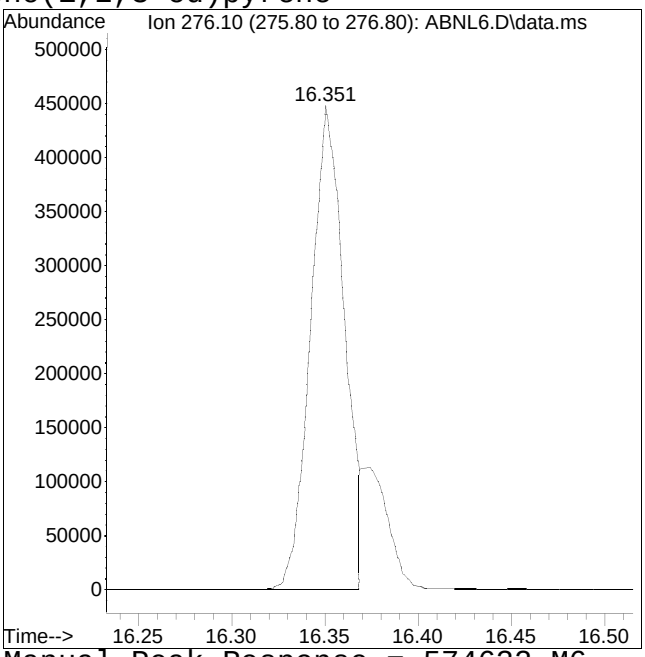
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL6.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 9:18 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11007 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 674787



Manual Peak Response = 574632 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	70308	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 101.46%			
35) IS1_Naphthalene-d8	8.010	136	261601	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 98.87%			
63) IS1_Acenaphthene-d10	9.769	164	159180	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 95.33%			
88) IS1_Phenanthrene-d10	11.216	188	298592	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 91.46%			
104) IS1_Chrysene-d12	13.868	240	303536	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 85.79%			
113) IS1_Perylene-d12	15.345	264	322402	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 84.90%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	49767	2.449	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 122.45%#			
7) Phenol-d6	6.228	99	59577	2.142	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 107.10%			
19) Nitrobenzene-d5	7.245	82	53025	1.864	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 186.40%#			
46) 2-Fluorobiphenyl	9.127	172	132809	1.977	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 197.70%#			
79) 2,4,6-Tribromophenol	10.539	330	19676	1.983	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 99.15%			
96) 4-Terphenyl-d14	12.798	244	178058	2.218	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 221.80%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.304	74	31362	2.096	ug/ml#	66
3) Pyridine	2.346	79	51270	2.095	ug/ml#	65
5) Aniline	6.198	93	73427	2.039	ug/ml	95
6) 2-Chlorophenol	6.339	128	55505	2.452	ug/ml	91
8) Phenol	6.239	94	63157	2.189	ug/ml	96
9) Bis(2-chloroethyl)ether	6.322	93	50835	2.145	ug/ml	86
10) 1,3-Dichlorobenzene	6.528	146	68336	2.514	ug/ml	96
11) 1,4-Dichlorobenzene	6.622	146	67965	2.471	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	65663	2.454	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	40933	1.837	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.975	45	79423	2.086	ug/ml#	58
15) 2-Methylphenol	6.963	108	45021	2.166	ug/ml	98
16) Hexachloroethane	7.181	117	24560	2.244	ug/ml#	57
17) n-Nitrosodi-n-propylamine	7.122	70	36102	1.943	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.145	108	49194	2.188	ug/ml	99
20) Nitrobenzene	7.269	77	54168	1.875	ug/ml	98
21) Isophorone	7.545	82	93853	1.935	ug/ml	99
22) 2-Nitrophenol	7.622	139	28303	2.328	ug/ml	89
23) 2,4-Dimethylphenol	7.716	107	44311	1.937	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.810	93	63410	2.029	ug/ml	99
25) 2,4-Dichlorophenol	7.880	162	50081	2.311	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.963	180	57841	2.179	ug/ml	97
36) Naphthalene	8.033	128	165019	2.200	ug/ml	99
37) Benzoic Acid	7.786	105	25804	1.703	ug/ml	95
38) 4-Chloroaniline	8.110	65	18647	1.686	ug/ml#	71
39) Hexachlorobutadiene	8.198	225	35778	1.808	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	43135	1.925	ug/ml	96
41) 2-Methylnaphthalene	8.745	142	109920	2.199	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	34523	1.819	ug/ml	92
43) Hexachlorocyclopentadiene	8.922	237	38961	1.774	ug/ml	100
44) 2,4,6-Trichlorophenol	9.039	196	39763	2.023	ug/ml	97
45) 2,4,5-Trichlorophenol	9.069	196	42671	2.027	ug/ml	94
47) 2-Chloronaphthalene	9.222	162	112952	2.125	ug/ml	95
48) 2-Nitroaniline	9.333	138	30554	1.908	ug/ml	86
49) 1,4-Dinitrobenzene	9.469	168	16574M3	1.967	ug/ml	
50) 1,3-Dinitrobenzene	9.545	168	17671	1.840	ug/ml#	1
51) Dimethyl phthalate	9.539	163	133276	2.060	ug/ml#	99
52) Acenaphthylene	9.627	152	168894	2.076	ug/ml	100
53) 2,6-Dinitrotoluene	9.580	165	27352	1.964	ug/ml#	76
54) 1,2-Dinitrobenzene	9.622	168	11678	1.967	ug/ml#	1
64) 3-Nitroaniline	9.739	138	29627	2.331	ug/ml	89
65) Acenaphthene	9.804	154	99535	2.170	ug/ml	92
66) 2,4-Dinitrophenol	9.839	184	14006	1.650	ug/ml	90
67) Dibenzofuran	9.974	168	161528	2.097	ug/ml	97
68) 2,4-Dinitrotoluene	9.974	165	36737	1.944	ug/ml	93
69) 4-Nitrophenol	9.922	65	21637	1.681	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.063	232	35480	1.972	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	34361	1.985	ug/ml		97
72)	Diethyl phthalate	10.233	149	135002	2.218	ug/ml		100
73)	Fluorene	10.304	166	126199	2.083	ug/ml		96
74)	4-Chlorophenyl phenyl ...	10.327	204	62859	1.971	ug/ml		91
75)	4-Nitroaniline	10.327	138	30097	2.275	ug/ml	#	81
76)	4,6-Dinitro-o-cresol	10.369	198	21077	1.990	ug/ml	#	61
77)	NDPA/DPA	10.439	169	110592	2.201	ug/ml		98
78)	Azobenzene	10.474	77	108731	1.890	ug/ml	#	91
80)	4-Bromophenyl phenyl e...	10.798	248	39090	1.965	ug/ml	#	83
81)	Hexachlorobenzene	10.851	284	44860	1.982	ug/ml	#	83
82)	Pentachlorophenol	11.045	266	26444	1.840	ug/ml		97
89)	Phenanthrene	11.233	178	195650	2.346	ug/ml		99
90)	Anthracene	11.286	178	195835	2.362	ug/ml		99
91)	Carbazole	11.451	167	179581	2.364	ug/ml		99
92)	Di-n-butylphthalate	11.839	149	214953	2.409	ug/ml		99
93)	Fluoranthene	12.398	202	226775	2.224	ug/ml	#	92
94)	Benzidine	12.545	184	129726	2.344	ug/ml	#	95
95)	Pyrene	12.615	202	240698	2.239	ug/ml		99
97)	Butyl benzyl phthalate	13.327	149	90156	2.195	ug/ml		86
105)	Benzo(a)anthracene	13.857	228	234867	2.094	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.857	252	80905	2.180	ug/ml	#	97
107)	Chrysene	13.892	228	227893	2.102	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.968	149	145115	2.340	ug/ml	#	92
109)	Di-n-octylphthalate	14.651	149	232445	2.265	ug/ml	#	74
110)	Benzo(b)fluoranthene	14.974	252	236696	2.181	ug/ml	#	93
111)	Benzo(k)fluoranthene	14.998	252	212686	2.067	ug/ml	#	95
112)	Benzo(a)pyrene	15.286	252	205590	2.182	ug/ml	#	94
114)	Indeno(1,2,3-cd)pyrene	16.351	276	228073M6	2.615	ug/mL		
115)	Dibenzo(a,h)anthracene	16.374	278	218574	2.603	ug/ml	#	89
116)	Benzo(ghi)perylene	16.615	276	205979	2.651	ug/ml	#	87

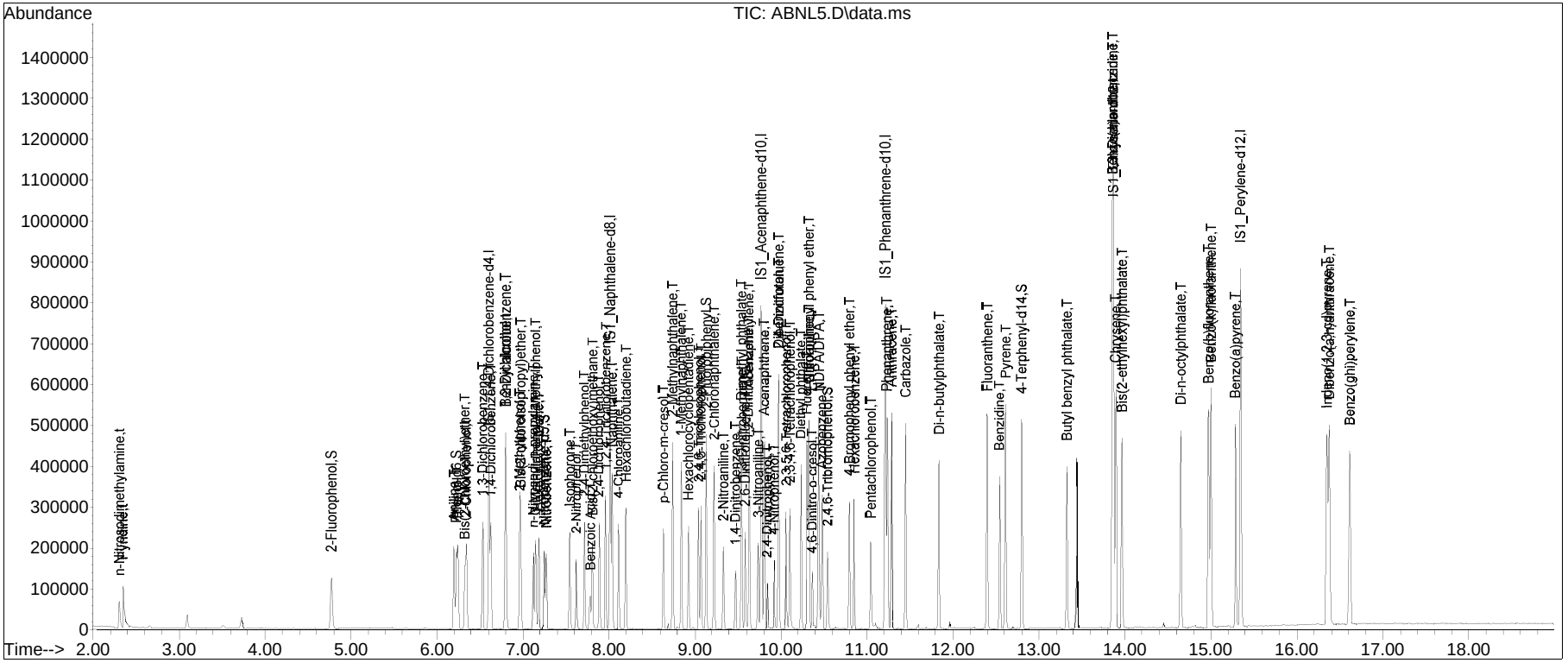
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

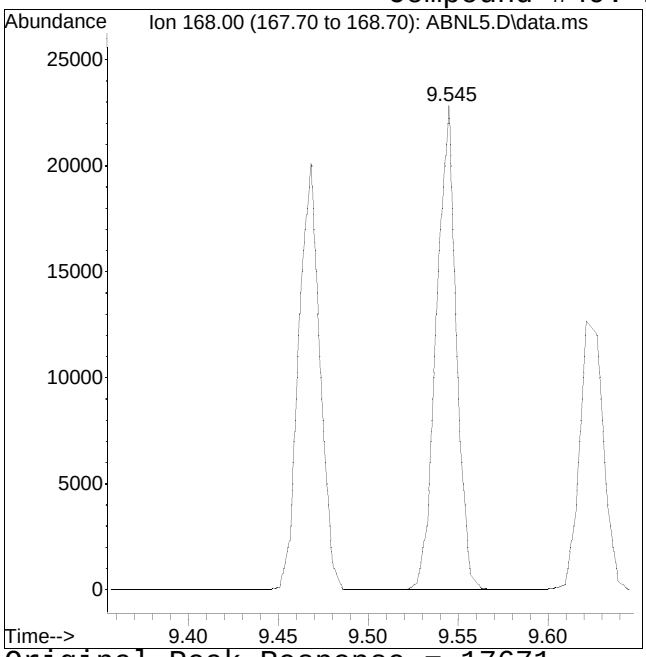
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

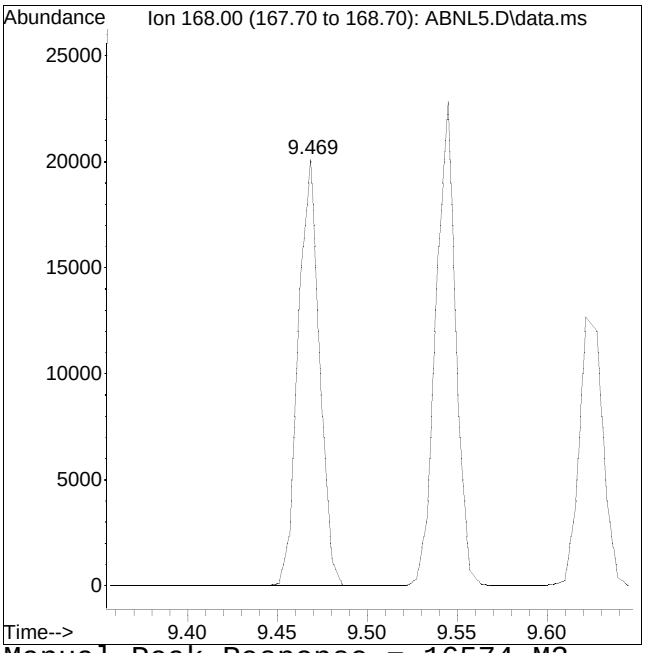


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL5.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 9:41 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11008Quant Date : 10/11/2024 11:13 am

Compound #49: 1,4-Dinitrobenzene



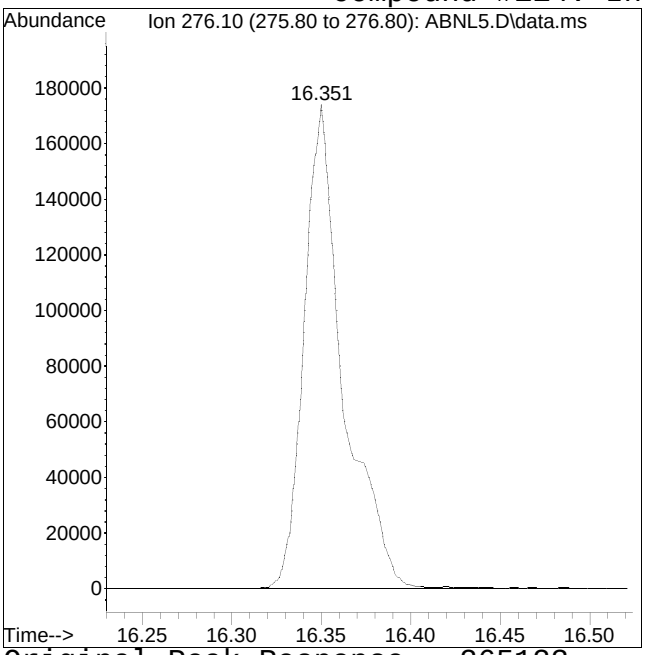


Original Peak Response = 17671 Manual Peak Response = 16574 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

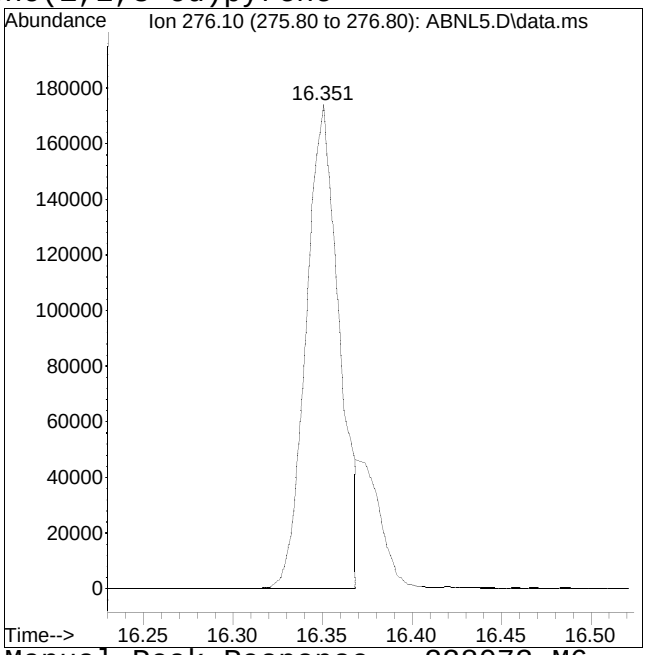
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL5.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 9:41 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11008Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 265123



Manual Peak Response = 228073 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	71339	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 102.95%			
35) IS1_Naphthalene-d8	8.010	136	266497	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 100.72%			
63) IS1_Acenaphthene-d10	9.769	164	156133	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 93.51%			
88) IS1_Phenanthrene-d10	11.216	188	309183	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 94.71%			
104) IS1_Chrysene-d12	13.868	240	327099	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 92.45%			
113) IS1_Perylene-d12	15.345	264	347213	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 91.44%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	21159	1.026	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.30%			
7) Phenol-d6	6.228	99	25905	0.918	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.90%			
19) Nitrobenzene-d5	7.245	82	22769	0.789	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.90%			
46) 2-Fluorobiphenyl	9.127	172	59958	0.876	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.60%			
79) 2,4,6-Tribromophenol	10.545	330	8795	0.904	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.20%			
96) 4-Terphenyl-d14	12.804	244	80600	0.969	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 96.90%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.310	74	13176	0.868	ug/ml#	74
3) Pyridine	2.363	79	20777	0.837	ug/ml#	64
5) Aniline	6.198	93	32716	0.895	ug/ml	94
6) 2-Chlorophenol	6.345	128	24128	1.051	ug/ml	90
8) Phenol	6.245	94	27320	0.933	ug/ml	96
9) Bis(2-chloroethyl)ether	6.328	93	21489	0.894	ug/ml#	79
10) 1,3-Dichlorobenzene	6.528	146	29330	1.063	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	31063	1.113	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	28092	1.035	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	17852	0.790	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.975	45	35860	0.928	ug/ml#	58
15) 2-Methylphenol	6.963	108	19349	0.917	ug/ml	96
16) Hexachloroethane	7.181	117	10924	0.984	ug/ml#	66
17) n-Nitrosodi-n-propylamine	7.122	70	16244	0.862	ug/ml	97
18) 3-Methylphenol/4-Methy...	7.145	108	21188	0.929	ug/ml	98
20) Nitrobenzene	7.269	77	23506	0.802	ug/ml	95
21) Isophorone	7.545	82	41378	0.841	ug/ml	99
22) 2-Nitrophenol	7.622	139	12144	0.984	ug/ml	90
23) 2,4-Dimethylphenol	7.716	107	19420	0.837	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.810	93	28891	0.911	ug/ml	97
25) 2,4-Dichlorophenol	7.881	162	21411	0.974	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.963	180	25382	0.942	ug/ml	98
36) Naphthalene	8.033	128	73731	0.965	ug/ml	99
37) Benzoic Acid	7.775	105	7545	0.752	ug/ml#	89
38) 4-Chloroaniline	8.110	65	8758	0.778	ug/ml	85
39) Hexachlorobutadiene	8.198	225	16407	0.814	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	19065	0.835	ug/ml	97
41) 2-Methylnaphthalene	8.745	142	48095	0.945	ug/ml	94
42) 1-Methylnaphthalene	8.839	115	15739	0.814	ug/ml	94
43) Hexachlorocyclopentadiene	8.922	237	17168	0.768	ug/ml	96
44) 2,4,6-Trichlorophenol	9.039	196	17212	0.860	ug/ml	97
45) 2,4,5-Trichlorophenol	9.069	196	18514	0.863	ug/ml	98
47) 2-Chloronaphthalene	9.222	162	51319	0.948	ug/ml	97
48) 2-Nitroaniline	9.333	138	13384	0.821	ug/ml	87
49) 1,4-Dinitrobenzene	9.469	168	6701	0.781	ug/ml	89
50) 1,3-Dinitrobenzene	9.545	168	8335	0.852	ug/ml#	1
51) Dimethyl phthalate	9.539	163	59446	0.902	ug/ml#	99
52) Acenaphthylene	9.627	152	74788	0.902	ug/ml	99
53) 2,6-Dinitrotoluene	9.580	165	12135	0.855	ug/ml#	73
54) 1,2-Dinitrobenzene	9.627	168	5451	0.901	ug/ml#	1
64) 3-Nitroaniline	9.739	138	12094	0.970	ug/ml#	98
65) Acenaphthene	9.804	154	45406	1.009	ug/ml	91
66) 2,4-Dinitrophenol	9.845	184	5396	0.648	ug/ml#	86
67) Dibenzofuran	9.975	168	73937	0.978	ug/ml	94
68) 2,4-Dinitrotoluene	9.975	165	16078	0.867	ug/ml	92
69) 4-Nitrophenol	9.922	65	9501	0.753	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	10.063	232	14729	0.835	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	15221	0.897	ug/ml	98
72)	Diethyl phthalate	10.233	149	57465	0.963	ug/ml	97
73)	Fluorene	10.310	166	57874	0.974	ug/ml	96
74)	4-Chlorophenyl phenyl ...	10.327	204	28945	0.925	ug/ml	89
75)	4-Nitroaniline	10.327	138	13152	1.013	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.369	198	7935	0.764	ug/ml#	67
77)	NDPA/DPA	10.439	169	49470	1.004	ug/ml	99
78)	Azobenzene	10.474	77	48116	0.853	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.798	248	18237	0.934	ug/ml#	83
81)	Hexachlorobenzene	10.851	284	19927	0.898	ug/ml#	81
82)	Pentachlorophenol	11.045	266	10299	0.731	ug/ml	97
89)	Phenanthrene	11.233	178	89296	1.034	ug/ml	99
90)	Anthracene	11.286	178	87718	1.022	ug/ml	99
91)	Carbazole	11.451	167	79979	1.017	ug/ml	99
92)	Di-n-butylphthalate	11.839	149	95333	1.032	ug/ml	98
93)	Fluoranthene	12.398	202	100934	0.956	ug/ml#	92
94)	Benzidine	12.545	184	55776	0.973	ug/ml#	96
95)	Pyrene	12.616	202	108332	0.973	ug/ml	99
97)	Butyl benzyl phthalate	13.327	149	38502	0.905	ug/ml	88
105)	Benzo(a)anthracene	13.857	228	106990	0.885	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.857	252	35971	0.900	ug/ml	97
107)	Chrysene	13.898	228	107915	0.924	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.968	149	62019	0.928	ug/ml#	91
109)	Di-n-octylphthalate	14.651	149	94640	0.856	ug/ml#	74
110)	Benzo(b)fluoranthene	14.974	252	109491	0.936	ug/ml#	95
111)	Benzo(k)fluoranthene	14.998	252	98758	0.891	ug/ml#	93
112)	Benzo(a)pyrene	15.292	252	93110	0.917	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.351	276	100815M6	1.073	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	98550	1.090	ug/ml#	90
116)	Benzo(ghi)perylene	16.615	276	94121	1.125	ug/ml#	89

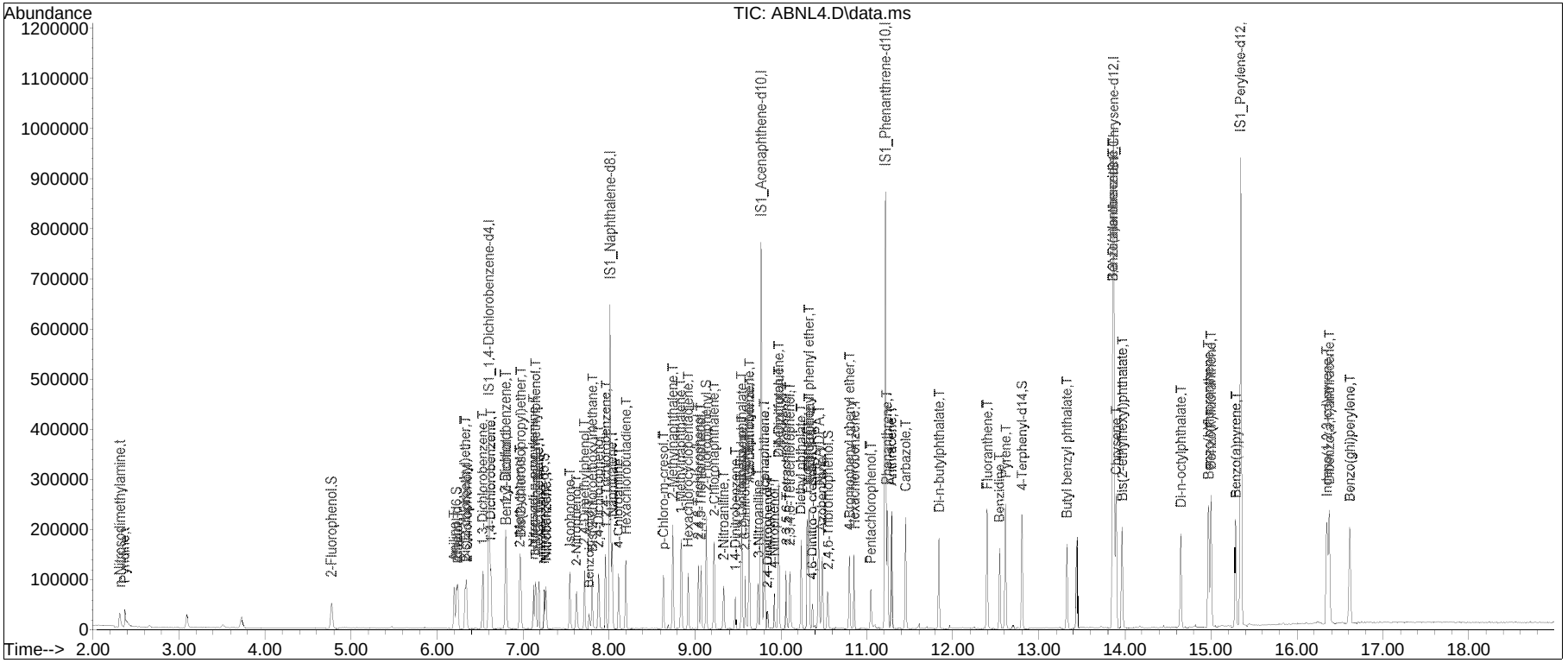
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

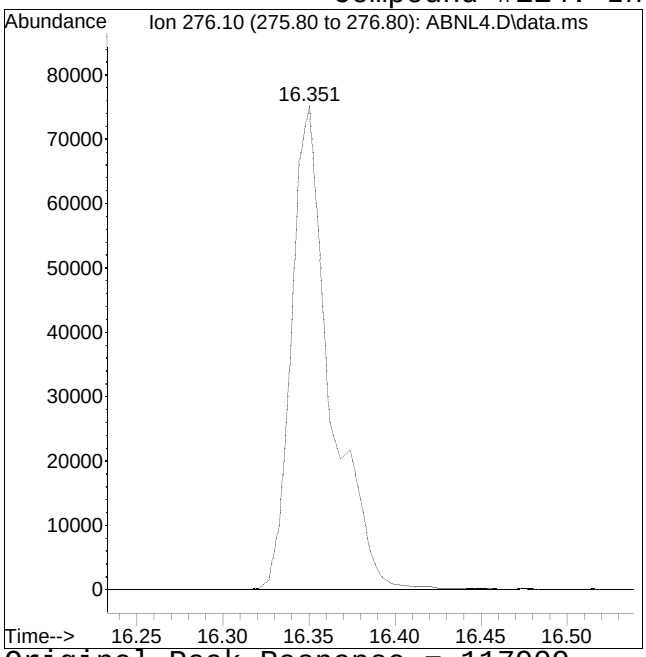
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



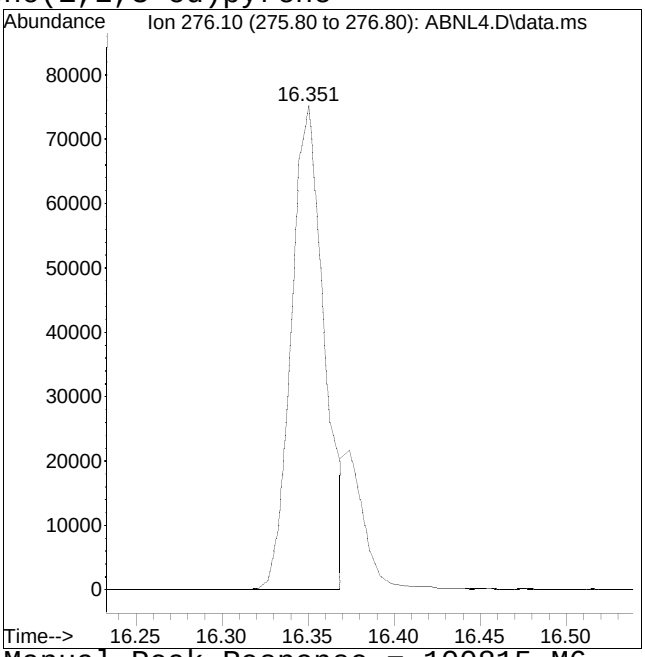
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL4.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:05 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11009 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 117909



Manual Peak Response = 100815 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	66051	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 95.32%			
35) IS1_Naphthalene-d8	8.010	136	256751	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 97.04%			
63) IS1_Acenaphthene-d10	9.769	164	160411	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 96.07%			
88) IS1_Phenanthrene-d10	11.216	188	323665	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 99.15%			
104) IS1_Chrysene-d12	13.868	240	338113	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 95.56%			
113) IS1_Perylene-d12	15.345	264	355610	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 93.65%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	9693	0.508	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.40%			
7) Phenol-d6	6.228	99	11340	0.434	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 21.70%			
19) Nitrobenzene-d5	7.245	82	10375	0.388	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 38.80%			
46) 2-Fluorobiphenyl	9.127	172	27368	0.415	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 41.50%			
79) 2,4,6-Tribromophenol	10.539	330	3967	0.397	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 19.85%			
96) 4-Terphenyl-d14	12.804	244	39616	0.455	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 45.50%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.310	74	6334	0.451	ug/ml#	69
3) Pyridine	2.375	79	9961M1	0.433	ug/ml	
5) Aniline	6.204	93	13801	0.408	ug/ml	99
6) 2-Chlorophenol	6.345	128	10062	0.473	ug/ml	94
8) Phenol	6.245	94	11649	0.430	ug/ml	98
9) Bis(2-chloroethyl)ether	6.328	93	9537	0.428	ug/ml#	82
10) 1,3-Dichlorobenzene	6.528	146	13732	0.538	ug/ml	95
11) 1,4-Dichlorobenzene	6.622	146	13732	0.531	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	12792	0.509	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	8109	0.387	ug/ml	95
14) Bis(2-chloroisopropyl)...	6.975	45	15637	0.437	ug/ml#	55
15) 2-Methylphenol	6.963	108	8731	0.447	ug/ml	97
16) Hexachloroethane	7.186	117	4938	0.480	ug/ml#	65
17) n-Nitrosodi-n-propylamine	7.122	70	7045	0.404	ug/ml	93
18) 3-Methylphenol/4-Methy...	7.145	108	9500	0.450	ug/ml	99
20) Nitrobenzene	7.269	77	10659	0.393	ug/ml	96
21) Isophorone	7.545	82	18275	0.401	ug/ml	95
22) 2-Nitrophenol	7.622	139	4949	0.433	ug/ml	90
23) 2,4-Dimethylphenol	7.716	107	8695	0.405	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.810	93	12716	0.433	ug/ml#	96
25) 2,4-Dichlorophenol	7.881	162	9099	0.447	ug/ml	92
26) 1,2,4-Trichlorobenzene	7.963	180	11671	0.468	ug/ml	96
36) Naphthalene	8.033	128	34138	0.464	ug/ml	99
37) Benzoic Acid	7.775	105	2290M1	0.489	ug/ml	
38) 4-Chloroaniline	8.110	65	3555	0.328	ug/ml#	68
39) Hexachlorobutadiene	8.198	225	7108	0.366	ug/ml	100
40) p-Chloro-m-cresol	8.633	107	8248	0.375	ug/ml	96
41) 2-Methylnaphthalene	8.745	142	22014	0.449	ug/ml	98
42) 1-Methylnaphthalene	8.839	115	7325	0.393	ug/ml	92
43) Hexachlorocyclopentadiene	8.922	237	7896	0.366	ug/ml	99
44) 2,4,6-Trichlorophenol	9.039	196	8087	0.419	ug/ml	91
45) 2,4,5-Trichlorophenol	9.069	196	8138	0.394	ug/ml	93
47) 2-Chloronaphthalene	9.222	162	23352	0.448	ug/ml	94
48) 2-Nitroaniline	9.333	138	6274	0.399	ug/ml#	81
49) 1,4-Dinitrobenzene	9.469	168	3313	0.401	ug/ml	80
50) 1,3-Dinitrobenzene	9.545	168	3540	0.376	ug/ml#	1
51) Dimethyl phthalate	9.539	163	28188	0.444	ug/ml	99
52) Acenaphthylene	9.627	152	34410	0.431	ug/ml	100
53) 2,6-Dinitrotoluene	9.580	165	5175	0.379	ug/ml#	78
54) 1,2-Dinitrobenzene	9.627	168	2228	0.382	ug/ml#	1
64) 3-Nitroaniline	9.739	138	5701	0.445	ug/ml	89
65) Acenaphthene	9.804	154	21041	0.455	ug/ml	87
66) 2,4-Dinitrophenol	9.845	184	1597	0.187	ug/ml#	71
67) Dibenzofuran	9.975	168	33587	0.433	ug/ml	97
68) 2,4-Dinitrotoluene	9.975	165	7068	0.371	ug/ml	98
69) 4-Nitrophenol	9.922	65	3791	0.292	ug/ml#	82
70) 2,3,5,6-Tetrachlorophenol	10.063	232	6751	0.372	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	6792	0.389	ug/ml	99
72)	Diethyl phthalate	10.233	149	28402	0.463	ug/ml	98
73)	Fluorene	10.310	166	26998	0.442	ug/ml	95
74)	4-Chlorophenyl phenyl ...	10.327	204	14085	0.438	ug/ml	87
75)	4-Nitroaniline	10.327	138	5841	0.438	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.369	198	3366	0.315	ug/ml#	62
77)	NDPA/DPA	10.439	169	23369	0.462	ug/ml	99
78)	Azobenzene	10.474	77	21953	0.379	ug/ml#	88
80)	4-Bromophenyl phenyl e...	10.798	248	8864	0.442	ug/ml#	82
81)	Hexachlorobenzene	10.851	284	9663	0.424	ug/ml#	82
82)	Pentachlorophenol	11.045	266	4435	0.306	ug/ml	90
89)	Phenanthrene	11.233	178	41775	0.462	ug/ml	99
90)	Anthracene	11.286	178	42546	0.473	ug/ml	99
91)	Carbazole	11.451	167	37204	0.452	ug/ml	99
92)	Di-n-butylphthalate	11.839	149	46219	0.478	ug/ml	98
93)	Fluoranthene	12.392	202	50109	0.453	ug/ml#	92
94)	Benzidine	12.545	184	24083	0.401	ug/ml#	93
95)	Pyrene	12.616	202	53019	0.455	ug/ml	97
97)	Butyl benzyl phthalate	13.327	149	17868	0.401	ug/ml	88
105)	Benzo(a)anthracene	13.857	228	51493	0.412	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.857	252	15712	0.380	ug/ml	98
107)	Chrysene	13.898	228	52235	0.432	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	28063	0.406	ug/ml#	92
109)	Di-n-octylphthalate	14.651	149	44366	0.388	ug/ml#	74
110)	Benzo(b)fluoranthene	14.974	252	50696	0.419	ug/ml#	95
111)	Benzo(k)fluoranthene	14.998	252	46890	0.409	ug/ml#	95
112)	Benzo(a)pyrene	15.286	252	40649	0.387	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	16.351	276	46348M6	0.482	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	44838	0.484	ug/ml#	91
116)	Benzo(ghi)perylene	16.615	276	43164	0.504	ug/ml#	89

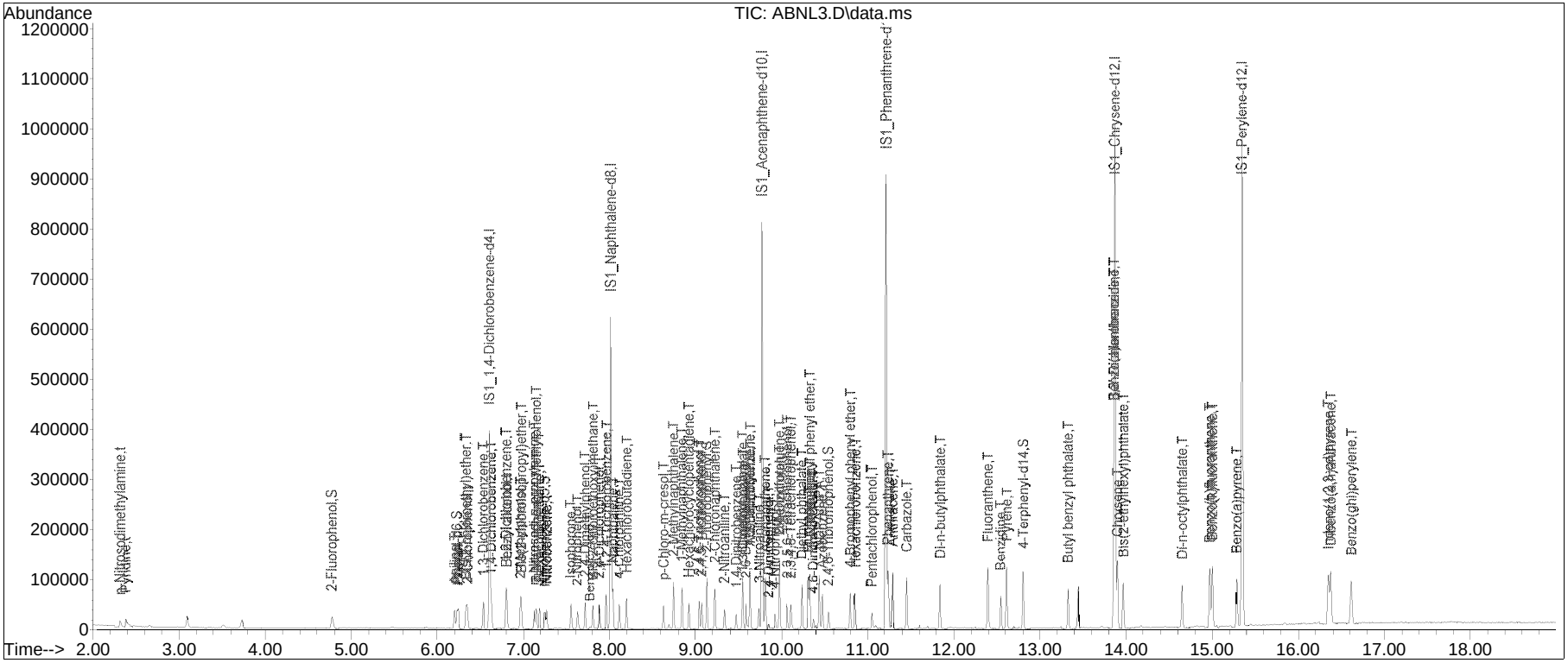
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

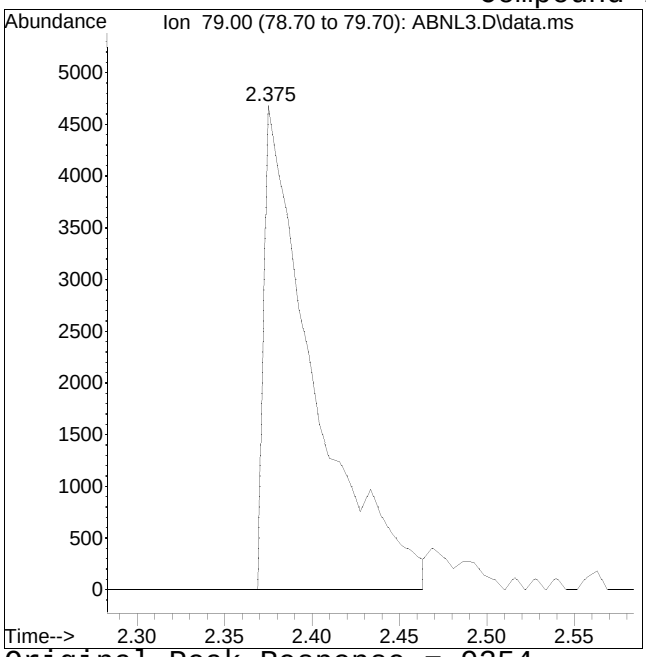
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

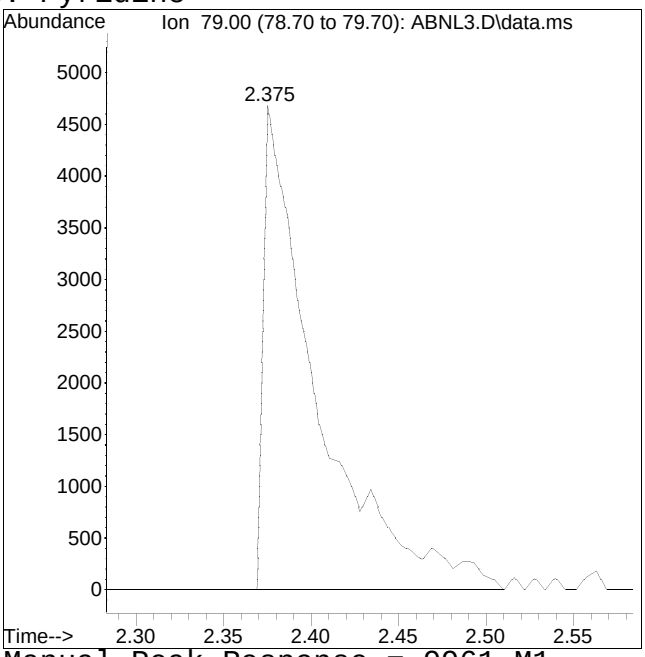


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL3.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:29 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11010Quant Date : 10/11/2024 11:13 am

Compound #3: Pyridine



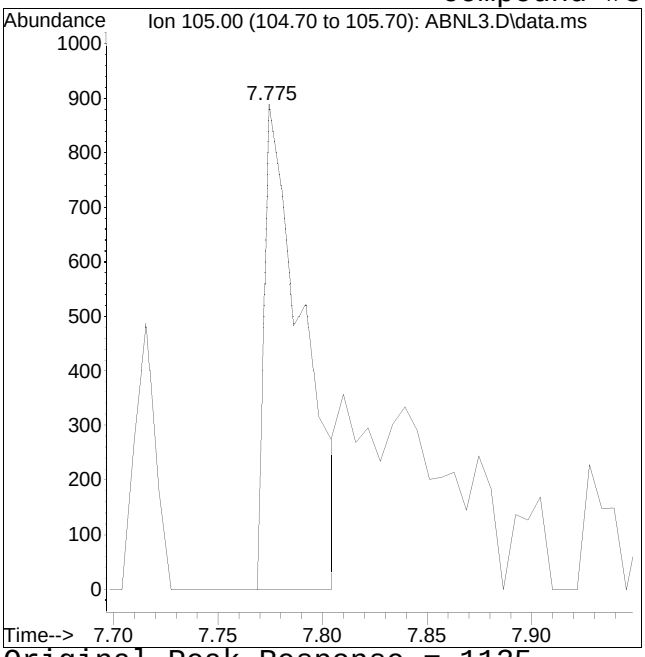


Original Peak Response = 9354 Manual Peak Response = 9961 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

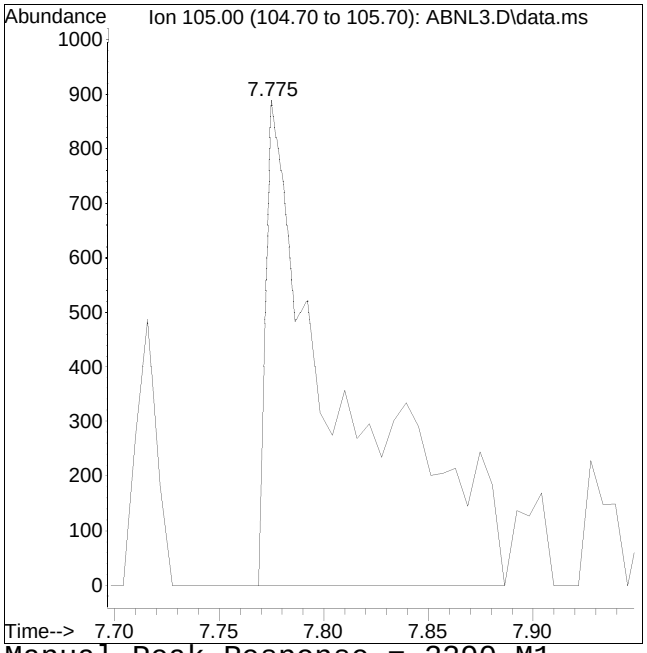
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL3.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:29 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11010Quant Date : 10/11/2024 11:13 am

Compound #37: Benzoic Acid



Original Peak Response = 1135



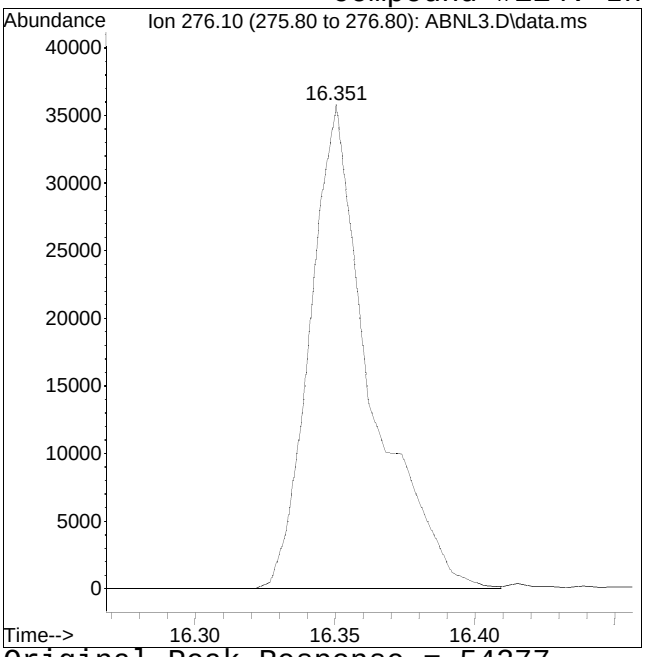
Manual Peak Response = 2290 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

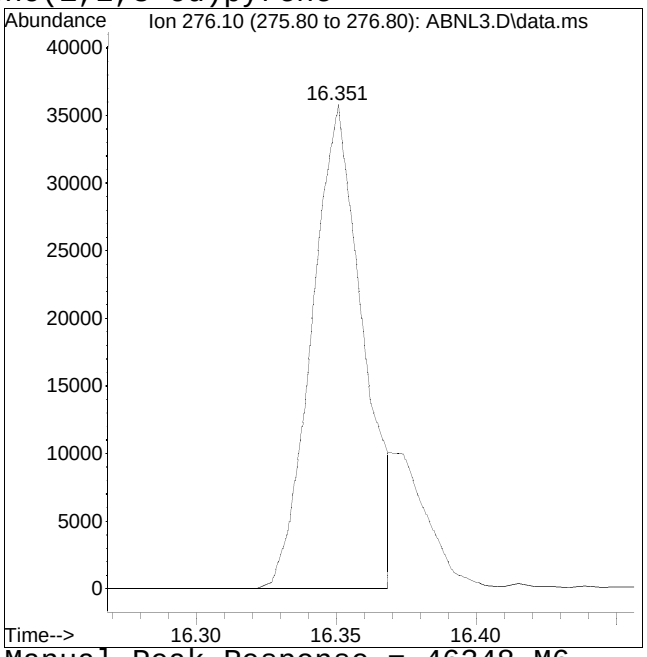
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL3.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:29 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11010Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 54277



Manual Peak Response = 46348 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.598	152	90668	4.000 ug/ml	0.00
Standard Area 1 = 69296			Recovery = 130.84%		
35) IS1_Naphthalene-d8	8.010	136	337819	4.000 ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 127.68%		
63) IS1_Acenaphthene-d10	9.769	164	197727	4.000 ug/ml	0.00
Standard Area 1 = 166975			Recovery = 118.42%		
88) IS1_Phenanthrene-d10	11.216	188	380017	4.000 ug/ml	0.00
Standard Area 1 = 326455			Recovery = 116.41%		
104) IS1_Chrysene-d12	13.868	240	377623	4.000 ug/ml	0.00
Standard Area 1 = 353807			Recovery = 106.73%		
113) IS1_Perylene-d12	15.351	264	394228	4.000 ug/ml	0.00
Standard Area 1 = 379737			Recovery = 103.82%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.775	112	5909	0.225 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.25%#		
7) Phenol-d6	6.228	99	7579	0.211 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.55%#		
19) Nitrobenzene-d5	7.245	82	6186	0.169 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 16.90%#		
46) 2-Fluorobiphenyl	9.128	172	16742	0.193 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.30%#		
79) 2,4,6-Tribromophenol	10.545	330	2420	0.196 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.80%#		
96) 4-Terphenyl-d14	12.804	244	21963	0.215 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.316	74	3587	0.186 ug/ml#	75
3) Pyridine	2.393	79	6151M1	0.195 ug/ml	
5) Aniline	6.204	93	7937	0.171 ug/ml	94
6) 2-Chlorophenol	6.345	128	6817	0.234 ug/ml	89
8) Phenol	6.240	94	7208	0.194 ug/ml	97
9) Bis(2-chloroethyl)ether	6.328	93	6481	0.212 ug/ml	87
10) 1,3-Dichlorobenzene	6.528	146	8139	0.232 ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	8599	0.242 ug/ml	96
12) 1,2-Dichlorobenzene	6.798	146	7810	0.226 ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	5192	0.181	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.975	45	9711	0.198	ug/ml#	49
15) 2-Methylphenol	6.969	108	5170	0.193	ug/ml	91
16) Hexachloroethane	7.187	117	2882	0.204	ug/ml#	55
17) n-Nitrosodi-n-propylamine	7.122	70	4563	0.190	ug/ml#	91
18) 3-Methylphenol/4-Methy...	7.145	108	5654	0.195	ug/ml	90
20) Nitrobenzene	7.269	77	6544	0.176	ug/ml	96
21) Isophorone	7.545	82	11305	0.181	ug/ml	99
22) 2-Nitrophenol	7.622	139	3366	0.215	ug/ml	91
23) 2,4-Dimethylphenol	7.716	107	5275	0.179	ug/ml	95
24) Bis(2-chloroethoxy)met...	7.810	93	7160	0.178	ug/ml	94
25) 2,4-Dichlorophenol	7.881	162	5857	0.210	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.963	180	7195	0.210	ug/ml	95
36) Naphthalene	8.034	128	20745	0.214	ug/ml	100
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	8.110	65	2439	0.171	ug/ml	82
39) Hexachlorobutadiene	8.198	225	4427	0.173	ug/ml	97
40) p-Chloro-m-cresol	8.634	107	5225	0.181	ug/ml	95
41) 2-Methylnaphthalene	8.745	142	13568	0.210	ug/ml	96
42) 1-Methylnaphthalene	8.839	115	4484	0.183	ug/ml	95
43) Hexachlorocyclopentadiene	8.922	237	4695	0.166	ug/ml	94
44) 2,4,6-Trichlorophenol	9.039	196	4803	0.189	ug/ml	91
45) 2,4,5-Trichlorophenol	9.069	196	5128	0.189	ug/ml	86
47) 2-Chloronaphthalene	9.222	162	14120	0.206	ug/ml	95
48) 2-Nitroaniline	9.333	138	3567	0.173	ug/ml	85
49) 1,4-Dinitrobenzene	9.469	168	1885M3	0.173	ug/ml	
50) 1,3-Dinitrobenzene	9.545	168	1762	0.142	ug/ml#	1
51) Dimethyl phthalate	9.539	163	15938	0.191	ug/ml#	98
52) Acenaphthylene	9.628	152	20761	0.198	ug/ml	98
53) 2,6-Dinitrotoluene	9.581	165	2835	0.158	ug/ml#	85
54) 1,2-Dinitrobenzene	9.628	168	1338	0.174	ug/ml#	1
64) 3-Nitroaniline	9.739	138	3244	0.205	ug/ml#	87
65) Acenaphthene	9.798	154	12230	0.215	ug/ml	87
66) 2,4-Dinitrophenol	9.845	184	503	0.048	ug/ml#	25
67) Dibenzofuran	9.975	168	20998	0.219	ug/ml	94
68) 2,4-Dinitrotoluene	9.975	165	4138	0.176	ug/ml	93
69) 4-Nitrophenol	9.922	65	2244	0.140	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	10.063	232	3760	0.168	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	3678M3	0.171	ug/ml	
72)	Diethyl phthalate	10.233	149	15840	0.210	ug/ml	97
73)	Fluorene	10.310	166	15617	0.208	ug/ml	89
74)	4-Chlorophenyl phenyl ...	10.328	204	8199	0.207	ug/ml	89
75)	4-Nitroaniline	10.328	138	2977	0.181	ug/ml	91
76)	4,6-Dinitro-o-cresol	10.369	198	1212	0.092	ug/ml#	77
77)	NDPA/DPA	10.439	169	12887	0.206	ug/ml	96
78)	Azobenzene	10.475	77	12942	0.181	ug/ml	93
80)	4-Bromophenyl phenyl e...	10.798	248	4854	0.196	ug/ml#	83
81)	Hexachlorobenzene	10.851	284	5855	0.208	ug/ml#	81
82)	Pentachlorophenol	11.045	266	1872	0.105	ug/ml	96
89)	Phenanthrene	11.239	178	25444	0.240	ug/ml	97
90)	Anthracene	11.286	178	23814	0.226	ug/ml	99
91)	Carbazole	11.451	167	19842	0.205	ug/ml	97
92)	Di-n-butylphthalate	11.839	149	24348	0.214	ug/ml	99
93)	Fluoranthene	12.398	202	26940	0.208	ug/ml#	93
94)	Benzidine	12.545	184	9775	0.139	ug/ml#	93
95)	Pyrene	12.616	202	28315	0.207	ug/ml	99
97)	Butyl benzyl phthalate	13.327	149	9319	0.178	ug/ml	89
105)	Benzo(a)anthracene	13.863	228	28938	0.207	ug/ml	97
106)	3,3'-Dichlorobenzidine	13.857	252	8054	0.174	ug/ml#	94
107)	Chrysene	13.898	228	27323	0.203	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.968	149	14429	0.187	ug/ml#	91
109)	Di-n-octylphthalate	14.651	149	23620	0.185	ug/ml#	76
110)	Benzo(b)fluoranthene	14.974	252	25853	0.191	ug/ml#	94
111)	Benzo(k)fluoranthene	14.998	252	24956	0.195	ug/ml#	94
112)	Benzo(a)pyrene	15.292	252	22337	0.191	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.351	276	24560M6	0.230	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	24341	0.237	ug/ml#	91
116)	Benzo(ghi)perylene	16.615	276	23004	0.242	ug/ml#	90

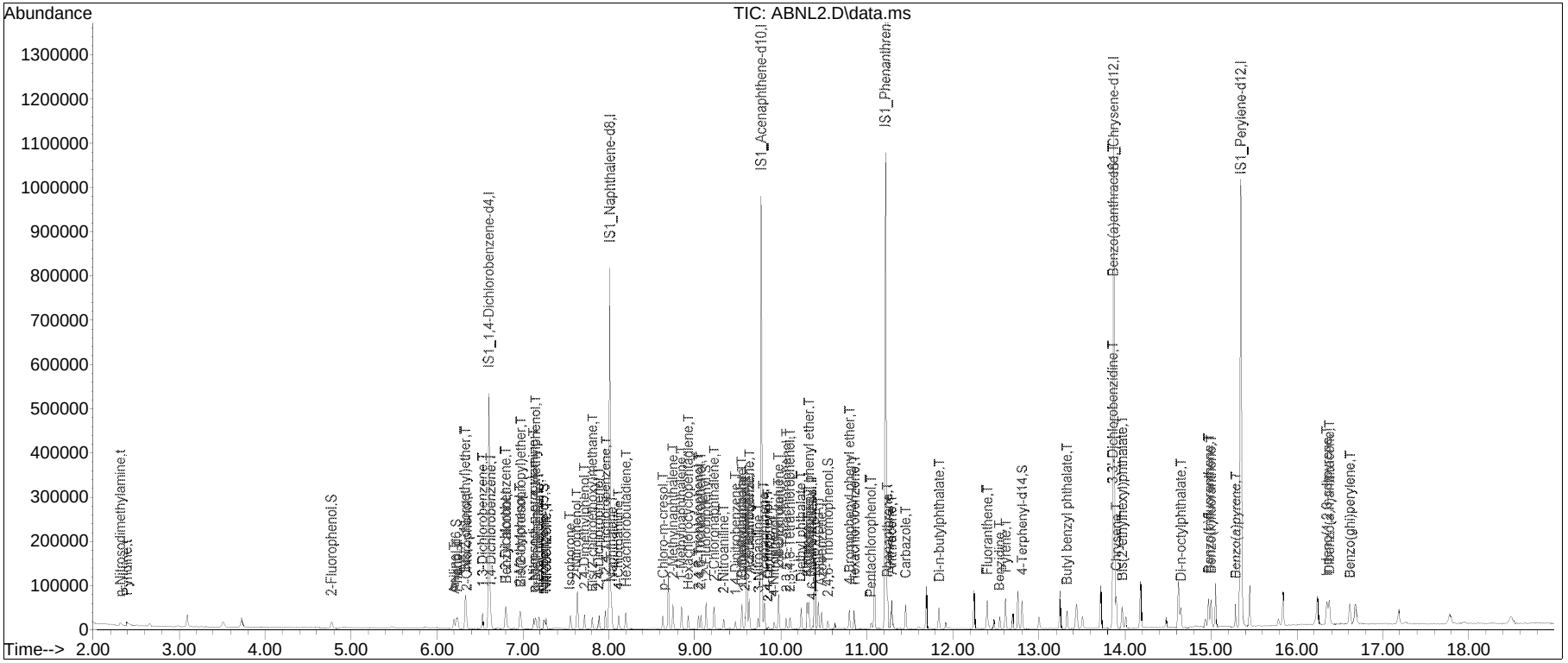
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

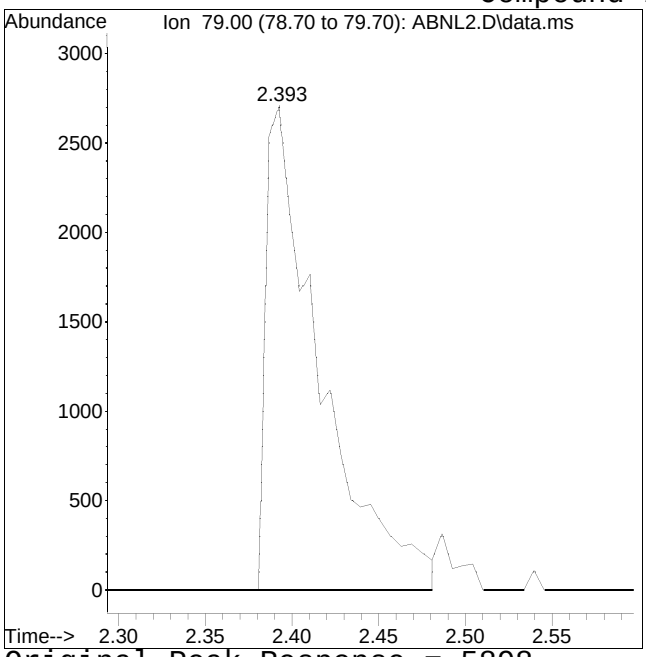
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

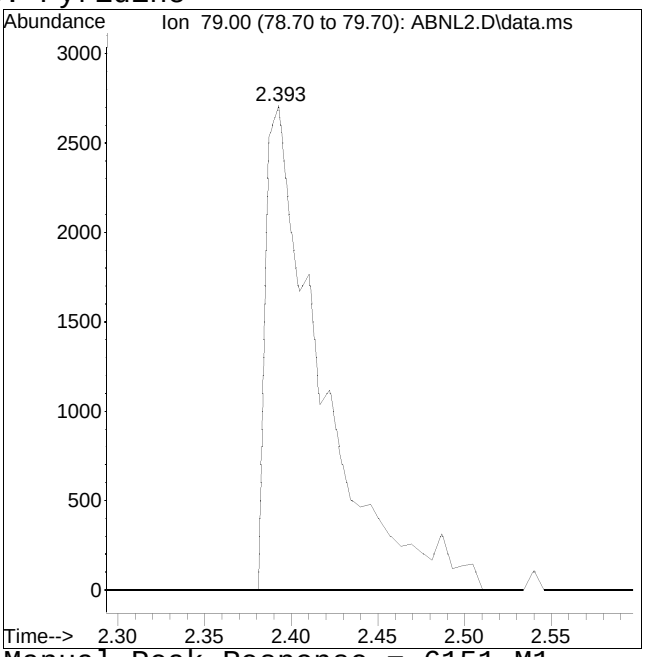


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #3: Pyridine



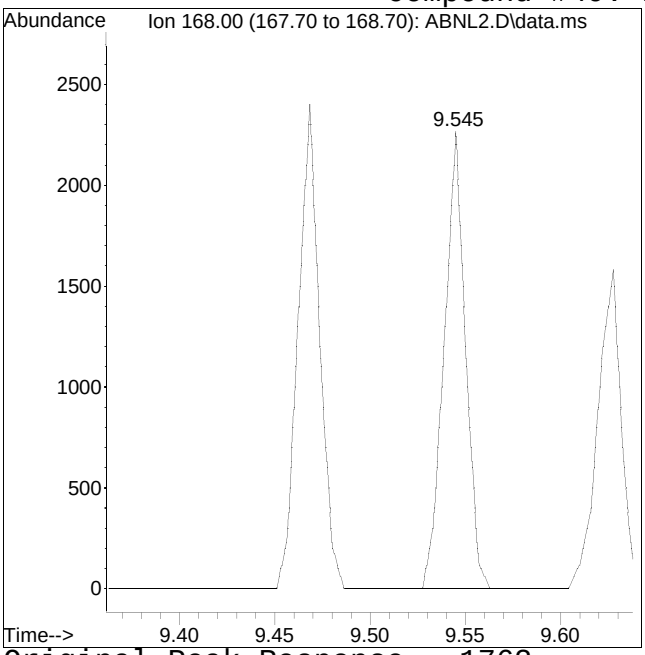


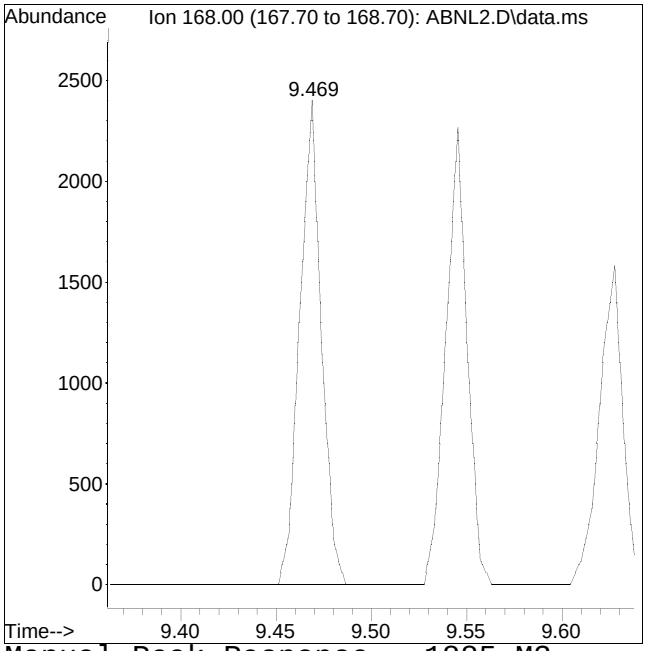
Original Peak Response = 5898 Manual Peak Response = 6151 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #49: 1,4-Dinitrobenzene





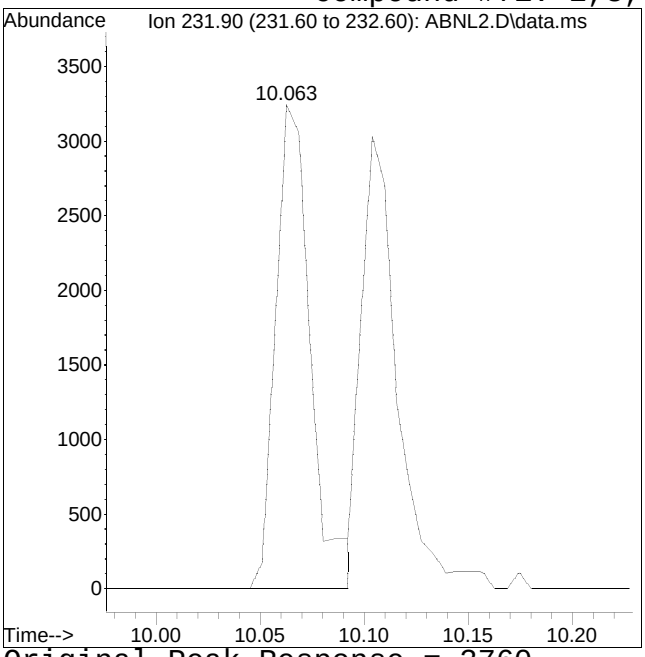
Original Peak Response = 1762 Manual Peak Response = 1885 M3

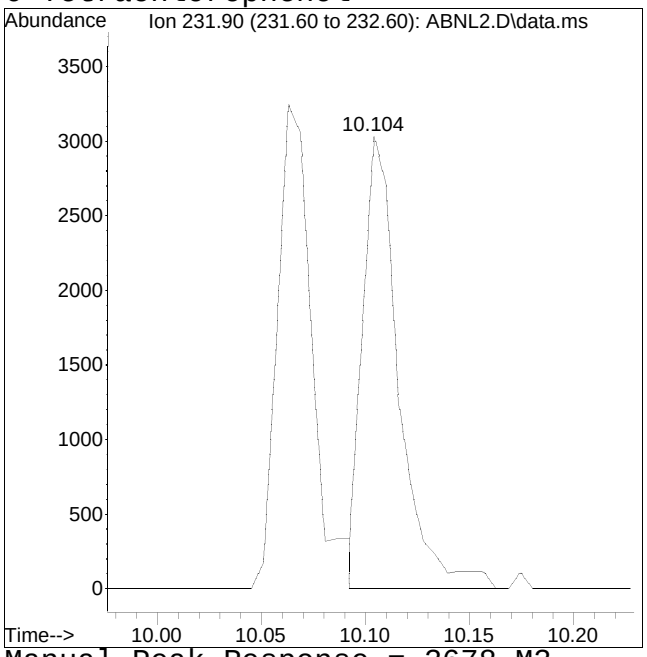
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #71: 2,3,4,6-Tetrachlorophenol





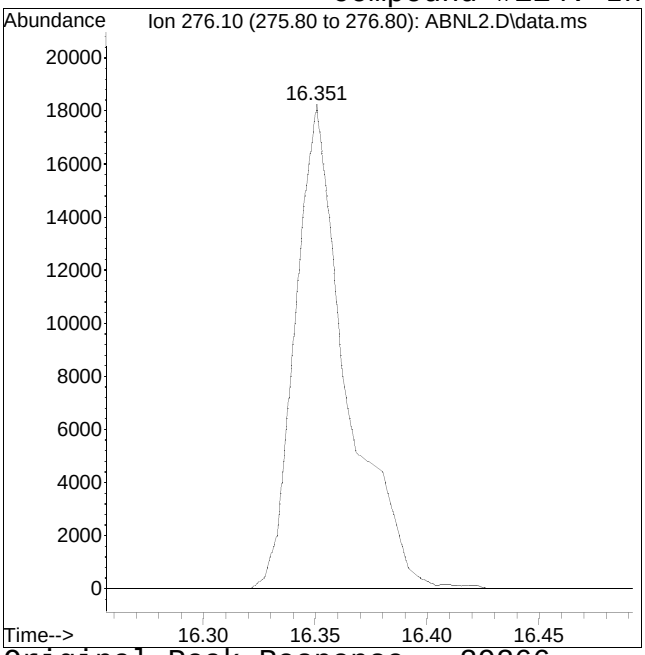
Original Peak Response = 3760 Manual Peak Response = 3678 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

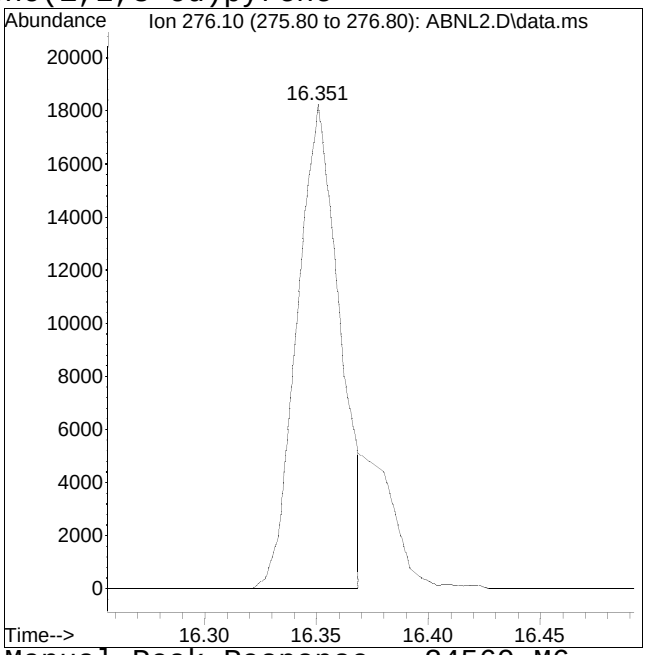
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 29266



Manual Peak Response = 24560 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	75952	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 109.61%			
35) IS1_Naphthalene-d8	8.010	136	281373	4.000	ug/ml	0.00
Standard Area 1 = 264583			Recovery = 106.35%			
63) IS1_Acenaphthene-d10	9.769	164	164424	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 98.47%			
88) IS1_Phenanthrene-d10	11.216	188	313559	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 96.05%			
104) IS1_Chrysene-d12	13.868	240	306984	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 86.77%			
113) IS1_Perylene-d12	15.345	264	314348	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 82.78%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	2790	0.127	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.35%#			
7) Phenol-d6	6.228	99	3209	0.107	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.35%#			
19) Nitrobenzene-d5	7.251	82	3159	0.103	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.30%#			
46) 2-Fluorobiphenyl	9.127	172	7881	0.109	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.90%#			
79) 2,4,6-Tribromophenol	10.545	330	965	0.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#			
96) 4-Terphenyl-d14	12.804	244	10172	0.121	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.322	74	1508	0.093	ug/ml#	86
3) Pyridine	2.410	79	2390M1	0.090	ug/ml	
5) Aniline	6.204	93	3158	0.081	ug/ml	94
6) 2-Chlorophenol	6.345	128	2710	0.111	ug/ml	94
8) Phenol	6.245	94	3383	0.109	ug/ml	93
9) Bis(2-chloroethyl)ether	6.328	93	2938	0.115	ug/ml	91
10) 1,3-Dichlorobenzene	6.528	146	3437	0.117	ug/ml	96
11) 1,4-Dichlorobenzene	6.622	146	3519M3	0.118	ug/ml	
12) 1,2-Dichlorobenzene	6.798	146	3772	0.130	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	2193	0.091	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.975	45	4720	0.115	ug/ml#	57
15) 2-Methylphenol	6.969	108	2354	0.105	ug/ml	94
16) Hexachloroethane	7.186	117	1349	0.114	ug/ml#	54
17) n-Nitrosodi-n-propylamine	7.128	70	2030	0.101	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.151	108	2565	0.106	ug/ml#	90
20) Nitrobenzene	7.269	77	3176	0.102	ug/ml#	84
21) Isophorone	7.551	82	5099	0.097	ug/ml#	95
22) 2-Nitrophenol	7.622	139	1377	0.105	ug/ml#	73
23) 2,4-Dimethylphenol	7.716	107	2418	0.098	ug/ml	94
24) Bis(2-chloroethoxy)met...	7.810	93	3636	0.108	ug/ml#	91
25) 2,4-Dichlorophenol	7.881	162	2665	0.114	ug/ml#	90
26) 1,2,4-Trichlorobenzene	7.963	180	3221	0.112	ug/ml	97
36) Naphthalene	8.033	128	9515	0.118	ug/ml	97
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	8.116	65	863	0.073	ug/ml#	42
39) Hexachlorobutadiene	8.198	225	1791	0.084	ug/ml	90
40) p-Chloro-m-cresol	8.633	107	2117	0.088	ug/ml#	87
41) 2-Methylnaphthalene	8.745	142	6321	0.118	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	2065	0.101	ug/ml	90
43) Hexachlorocyclopentadiene	8.922	237	1870	0.079	ug/ml#	88
44) 2,4,6-Trichlorophenol	9.045	196	2151	0.102	ug/ml	95
45) 2,4,5-Trichlorophenol	9.075	196	2029	0.090	ug/ml	94
47) 2-Chloronaphthalene	9.222	162	6703	0.117	ug/ml	94
48) 2-Nitroaniline	9.333	138	1775	0.103	ug/ml#	72
49) 1,4-Dinitrobenzene	9.469	168	792M3	0.087	ug/ml	
50) 1,3-Dinitrobenzene	9.545	168	926	0.090	ug/ml#	1
51) Dimethyl phthalate	9.539	163	7468	0.107	ug/ml#	96
52) Acenaphthylene	9.627	152	9531	0.109	ug/ml	98
53) 2,6-Dinitrotoluene	9.580	165	1359	0.091	ug/ml#	78
54) 1,2-Dinitrobenzene	9.627	168	619	0.097	ug/ml#	1
64) 3-Nitroaniline	9.739	138	1335	0.102	ug/ml#	94
65) Acenaphthene	9.804	154	6033	0.127	ug/ml	88
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	9.975	168	9801	0.123	ug/ml	97
68) 2,4-Dinitrotoluene	9.975	165	1793	0.092	ug/ml	92
69) 4-Nitrophenol	9.927	65	935	0.070	ug/ml#	69
70) 2,3,5,6-Tetrachlorophenol	10.063	232	1530	0.082	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	1666	0.093	ug/ml	99
72)	Diethyl phthalate	10.233	149	7472	0.119	ug/ml	98
73)	Fluorene	10.310	166	7305	0.117	ug/ml	93
74)	4-Chlorophenyl phenyl ...	10.327	204	4068	0.123	ug/ml#	83
75)	4-Nitroaniline	10.333	138	1464	0.107	ug/ml	84
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	10.439	169	6176	0.119	ug/ml	95
78)	Azobenzene	10.474	77	5919	0.100	ug/ml#	86
80)	4-Bromophenyl phenyl e...	10.798	248	2400	0.117	ug/ml#	88
81)	Hexachlorobenzene	10.851	284	2952	0.126	ug/ml#	80
82)	Pentachlorophenol	11.045	266	782	0.053	ug/ml#	51
89)	Phenanthrene	11.233	178	11791	0.135	ug/ml	97
90)	Anthracene	11.286	178	11708	0.134	ug/ml	98
91)	Carbazole	11.451	167	10169	0.127	ug/ml	96
92)	Di-n-butylphthalate	11.839	149	11445	0.122	ug/ml	100
93)	Fluoranthene	12.398	202	12644	0.118	ug/ml#	91
94)	Benzidine	12.545	184	2713	0.047	ug/ml#	68
95)	Pyrene	12.616	202	13268	0.118	ug/ml	97
97)	Butyl benzyl phthalate	13.327	149	4342	0.101	ug/ml	88
105)	Benzo(a)anthracene	13.863	228	13554	0.119	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.857	252	3549	0.095	ug/ml#	93
107)	Chrysene	13.898	228	13157	0.120	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	6371	0.102	ug/ml#	97
109)	Di-n-octylphthalate	14.651	149	9668	0.093	ug/ml#	81
110)	Benzo(b)fluoranthene	14.974	252	11383M3	0.104	ug/ml	
111)	Benzo(k)fluoranthene	15.004	252	10975	0.105	ug/ml	98
112)	Benzo(a)pyrene	15.292	252	9484	0.100	ug/ml	97
114)	Indeno(1,2,3-cd)pyrene	16.351	276	10975M6	0.129	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	10292	0.126	ug/ml	95
116)	Benzo(ghi)perylene	16.615	276	10063	0.133	ug/ml#	90

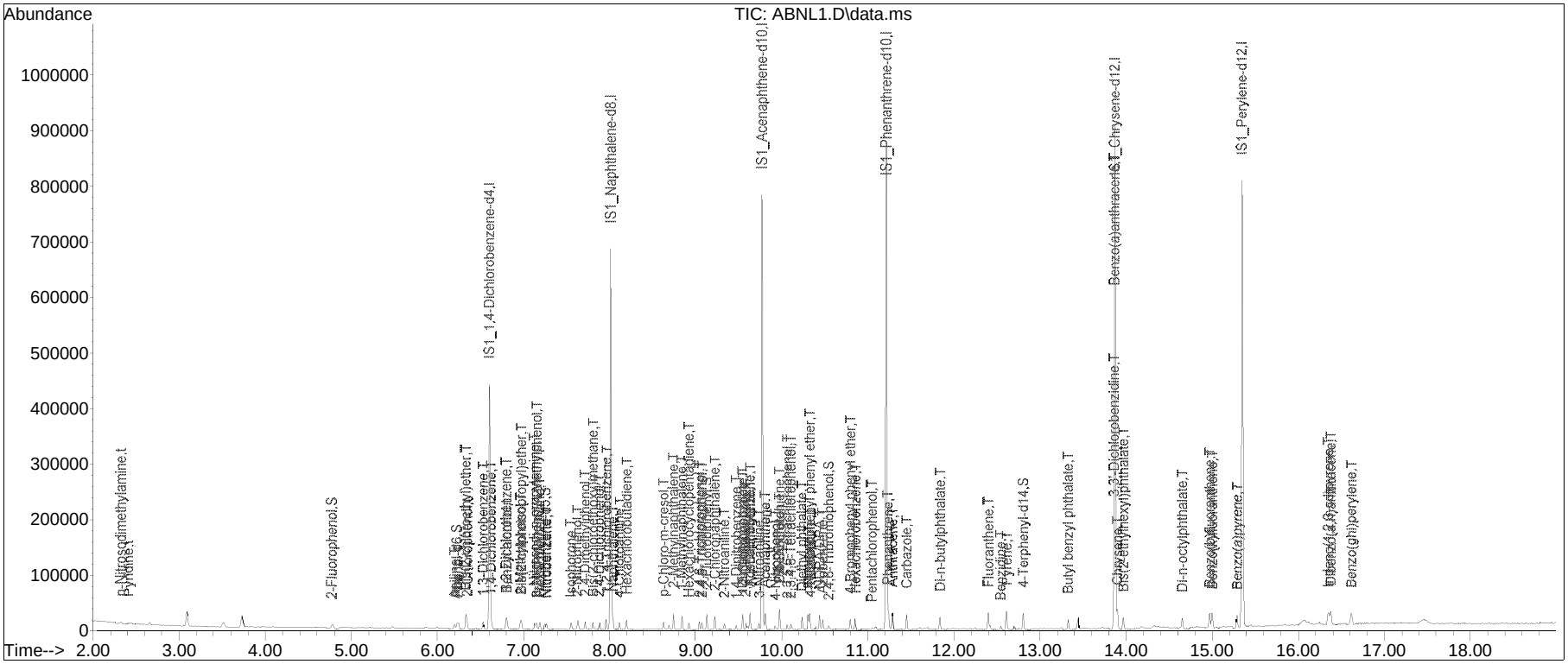
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

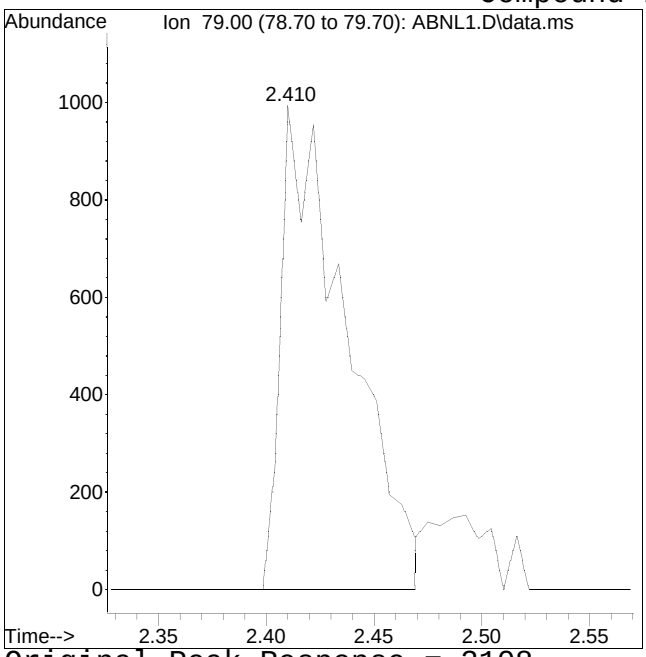
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

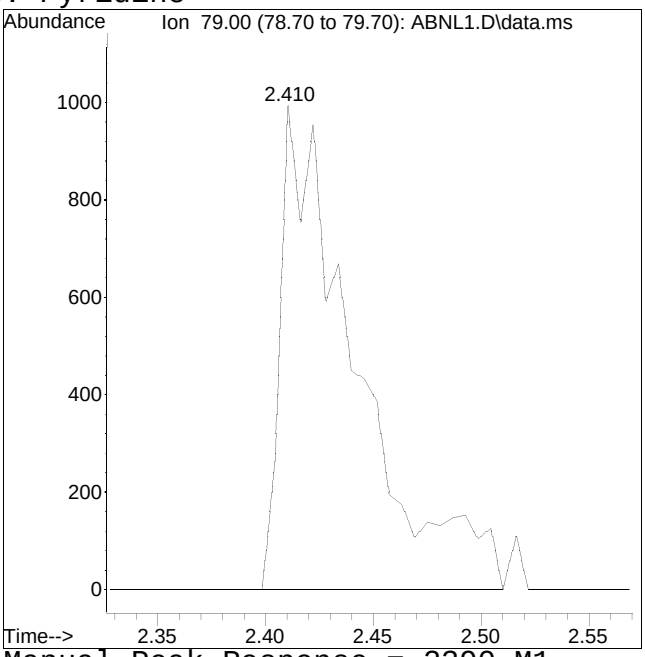


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #3: Pyridine



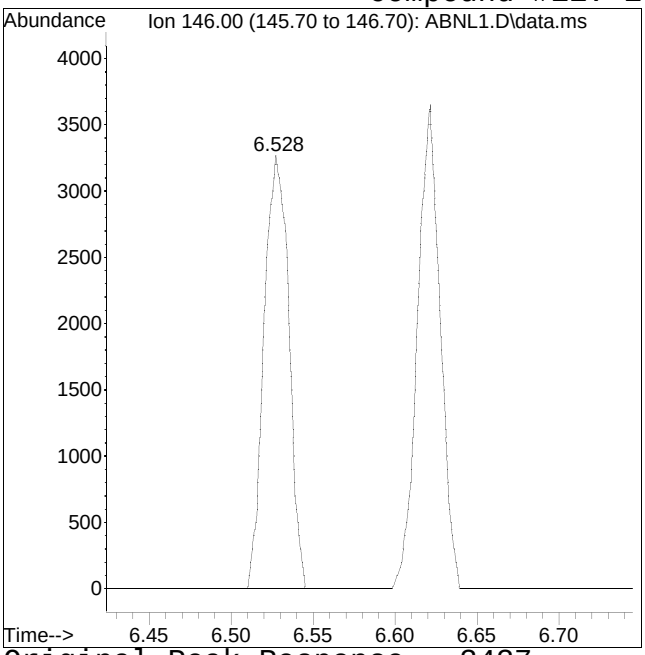


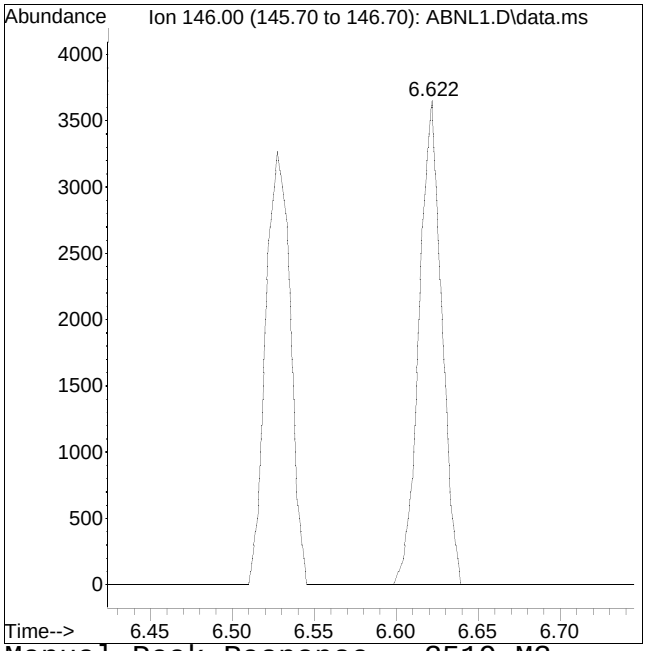
Original Peak Response = 2108 Manual Peak Response = 2390 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #11: 1,4-Dichlorobenzene





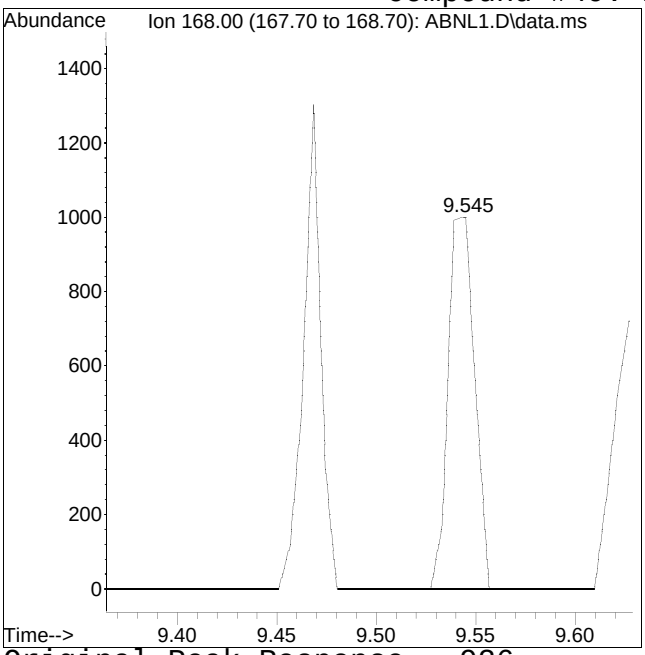
Original Peak Response = 3437 Manual Peak Response = 3519 M3

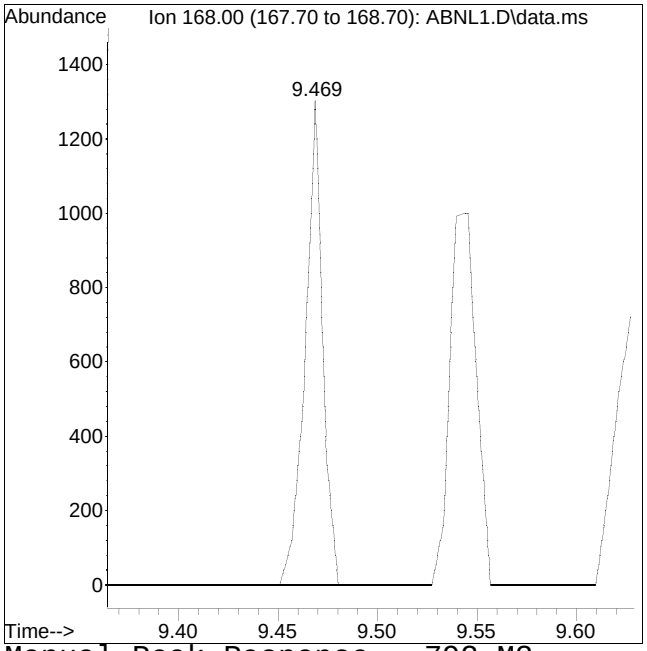
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #49: 1,4-Dinitrobenzene





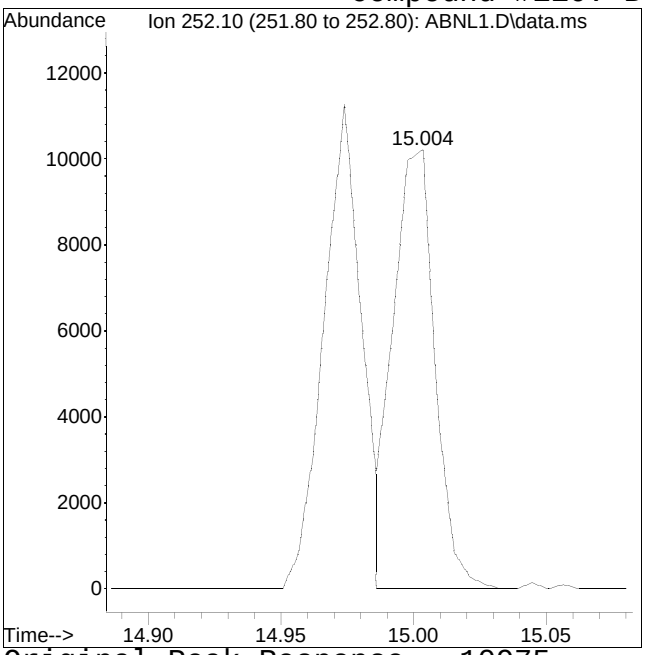
Original Peak Response = 926 Manual Peak Response = 792 M3

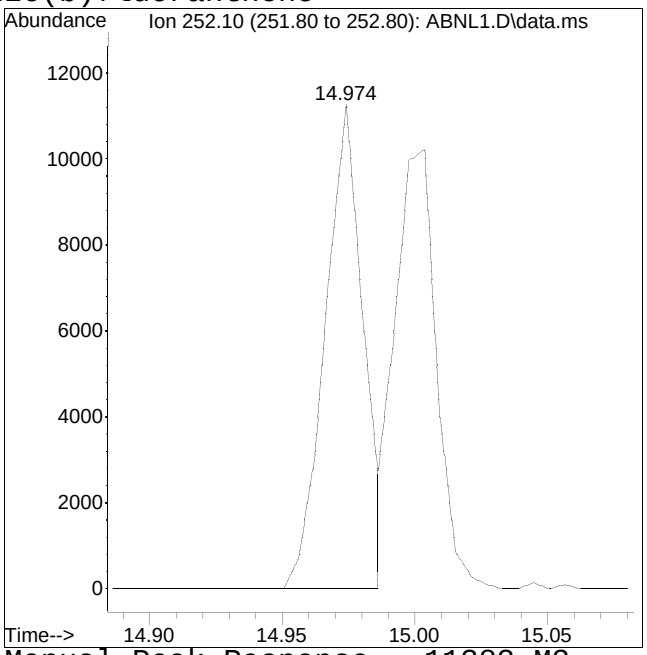
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #110: Benzo(b)fluoranthene



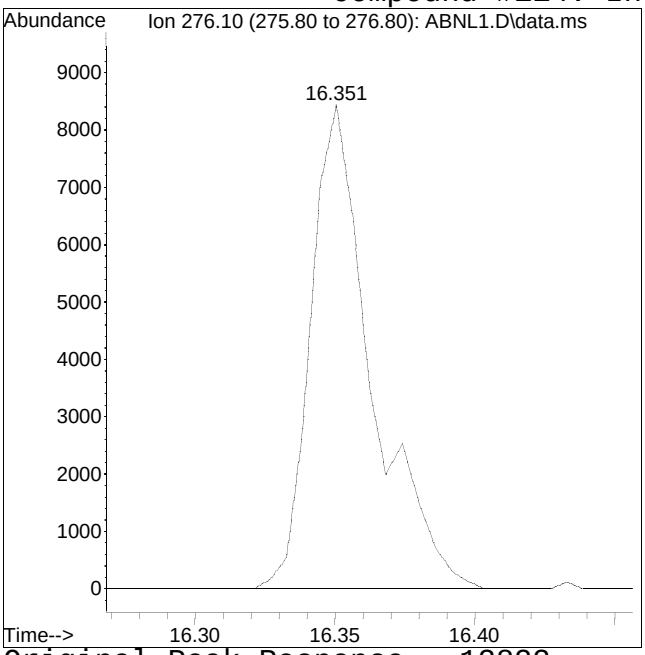


Original Peak Response = 10975 Manual Peak Response = 11383 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

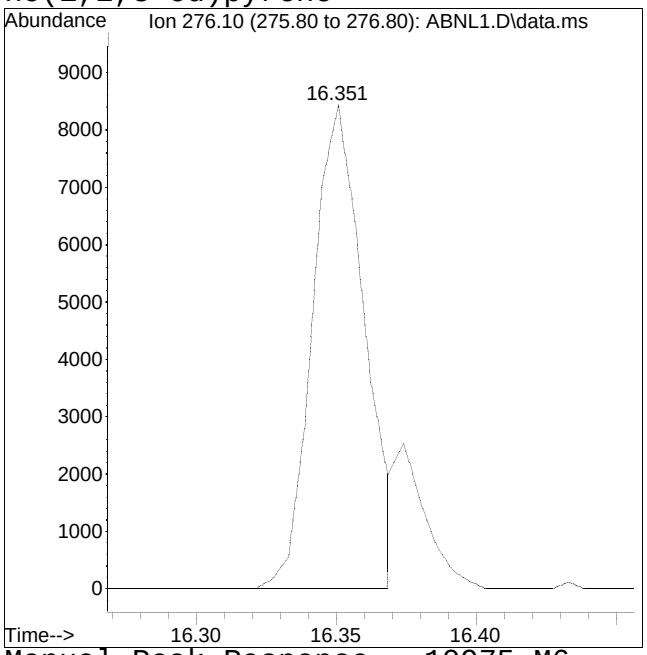
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 12822



Manual Peak Response = 10975 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L9.D
Acq On : 9 Oct 2024 11:40 pm
Operator : SV106:HNY
Sample : IL2,32,,AP9L50 Lot# 11013
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 11:58:21 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	63962	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 93.27%			
55) IS2_Naphthalene-d8	8.010	136	239150	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 91.59%			
83) IS2_Acenaphthene-d10	9.769	164	144800	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 94.04%			
98) IS2_Phenanthrene-d10	11.216	188	289187	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 89.20%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	886267	46.676	ug/ml	94
29) Acetophenone	7.087	105	1671775	48.441	ug/ml#	80
30) m-Toluidine	7.186	106	1528652	48.851	ug/ml	95
31) 2-Chloroaniline	7.586	127	1498557	54.827	ug/ml#	91
56) a-Terpineol	8.086	59	1005471	42.030	ug/ml#	82
57) 3-Chloroaniline	8.098	65	455412	37.962	ug/ml	95
58) 2,6-Dichlorophenol	8.128	162	1078810	49.893	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.386	111	505579	46.925	ug/ml#	1
60) Caprolactam	8.451	55	532204	42.387	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	8.922	216	1338936	40.831	ug/ml	98
62) Biphenyl	9.222	154	3084011	47.577	ug/ml	99
84) Dichloran	10.910	206	409469	45.771	ug/ml#	67
85) Pentachloronitrobenzene	11.063	237	409184	41.849	ug/ml#	80
99) Diphenamid	12.127	167	2192949	54.041	ug/ml#	78

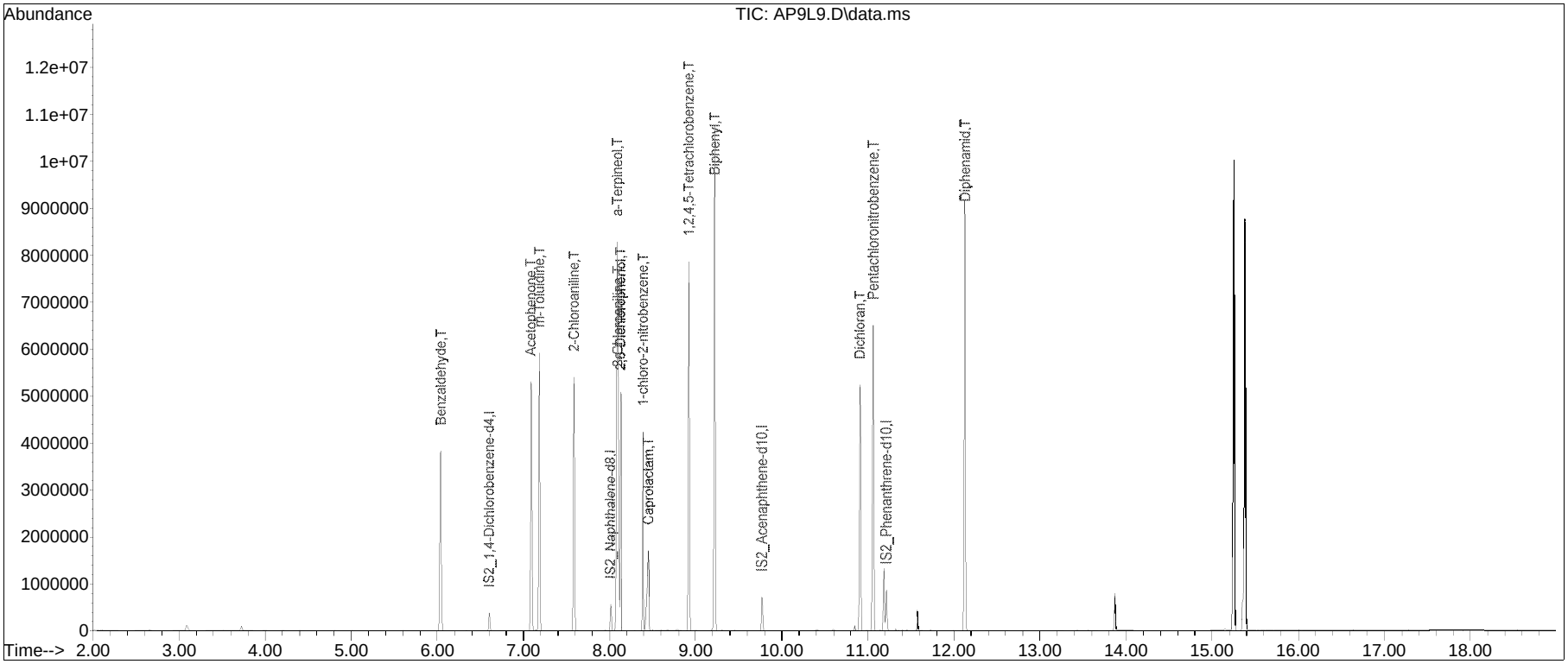
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L9.D
Acq On : 9 Oct 2024 11:40 pm
Operator : SV106:HNY
Sample : IL2,32,,AP9L50 Lot# 11013
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 11:58:21 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L9.D	Operator	: SV106:HNY
Date Inj'd	: 10/9/2024 11:40 pm	Instrument	: SV 106
Sample	: IL2,32,,AP9L50 Lot# 11013	Quant Date	: 10/11/2024 11:16 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L8.D
Acq On : 10 Oct 2024 12:03 am
Operator : SV106:HNY
Sample : IL3,32,,AP9L25 Lot# 11014
Misc : WG1984388
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 11:57:24 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	76119	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery =	111.00%		
55) IS2_Naphthalene-d8	8.010	136	286112	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery =	109.58%		
83) IS2_Acenaphthene-d10	9.769	164	165535	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery =	107.51%		
98) IS2_Phenanthrene-d10	11.216	188	330138	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery =	101.83%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.034	105	459607	20.340	ug/ml	94
29) Acetophenone	7.086	105	868815	21.154	ug/ml#	81
30) m-Toluidine	7.186	106	800501	21.496	ug/ml	95
31) 2-Chloroaniline	7.586	127	785161	24.138	ug/ml#	92
56) a-Terpineol	8.081	59	523174	18.280	ug/ml#	82
57) 3-Chloroaniline	8.092	65	244798	17.056	ug/ml	96
58) 2,6-Dichlorophenol	8.122	162	563519	21.784	ug/ml#	86
59) 1-chloro-2-nitrobenzene	8.386	111	266535	20.678	ug/ml#	1
60) Caprolactam	8.439	55	289640	19.282	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.922	216	707308	18.029	ug/ml	98
62) Biphenyl	9.222	154	1633700	21.066	ug/ml	99
84) Dichloran	10.910	206	219136	21.427	ug/ml#	66
85) Pentachloronitrobenzene	11.063	237	216870	19.402	ug/ml#	80
99) Diphenamid	12.121	167	1174053	25.343	ug/ml#	78

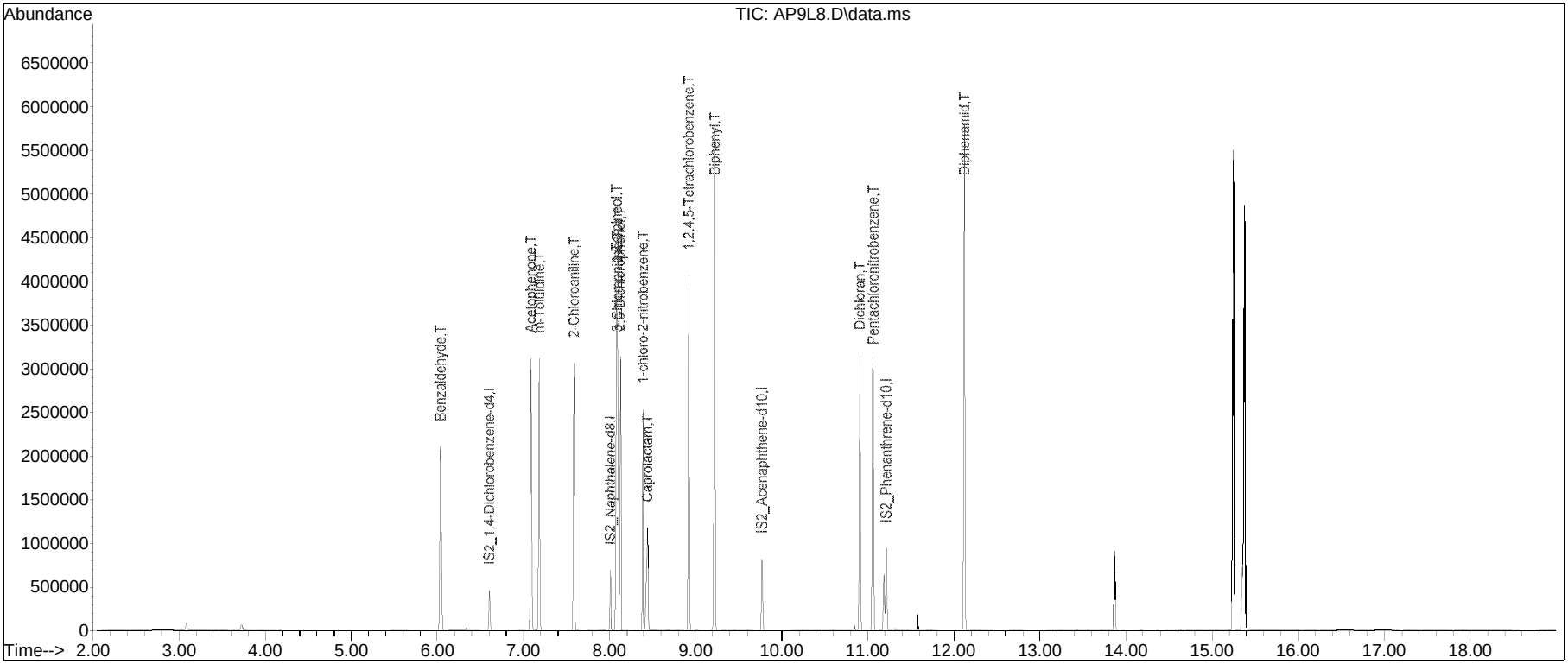
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L8.D
Acq On : 10 Oct 2024 12:03 am
Operator : SV106:HNY
Sample : IL3,32,,AP9L25 Lot# 11014
Misc : WG1984388
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 11:57:24 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L8.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 12:03 am	Instrument	: SV 106
Sample	: IL3,32,,AP9L25 Lot# 11014	Quant Date	: 10/11/2024 11:16 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L7.D
Acq On : 10 Oct 2024 12:27 am
Operator : SV106:HNY
Sample : IL4,32,,AP9L10 Lot# 11015
Misc : WG1984388
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 11:56:42 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.598	152	70510	4.000	ug/ml		0.00
Standard Area 3 = 68577			Recovery =	102.82%			
55) IS2_Naphthalene-d8	8.010	136	258176	4.000	ug/ml	#	0.00
Standard Area 3 = 261108			Recovery =	98.88%			
83) IS2_Acenaphthene-d10	9.769	164	146958	4.000	ug/ml		0.00
Standard Area 3 = 153971			Recovery =	95.45%			
98) IS2_Phenanthrene-d10	11.216	188	299480	4.000	ug/ml		0.00
Standard Area 3 = 324206			Recovery =	92.37%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.039	105	173013	8.266	ug/ml		94
29) Acetophenone	7.086	105	316976	8.332	ug/ml	#	81
30) m-Toluidine	7.186	106	296462	8.594	ug/ml		94
31) 2-Chloroaniline	7.586	127	290628	9.646	ug/ml	#	91
56) a-Terpineol	8.080	59	189275	7.329	ug/ml	#	81
57) 3-Chloroaniline	8.092	65	92888	7.172	ug/ml		99
58) 2,6-Dichlorophenol	8.122	162	206231	8.835	ug/ml	#	85
59) 1-chloro-2-nitrobenzene	8.386	111	97478	8.381	ug/ml	#	1
60) Caprolactam	8.427	55	100892	7.443	ug/ml	#	71
61) 1,2,4,5-Tetrachloroben...	8.922	216	261881	7.398	ug/ml		97
62) Biphenyl	9.222	154	590014	8.431	ug/ml		99
84) Dichloran	10.904	206	69992	7.709	ug/ml	#	66
85) Pentachloronitrobenzene	11.057	237	73196	7.376	ug/ml	#	80
99) Diphenamid	12.121	167	389973	9.280	ug/ml	#	78

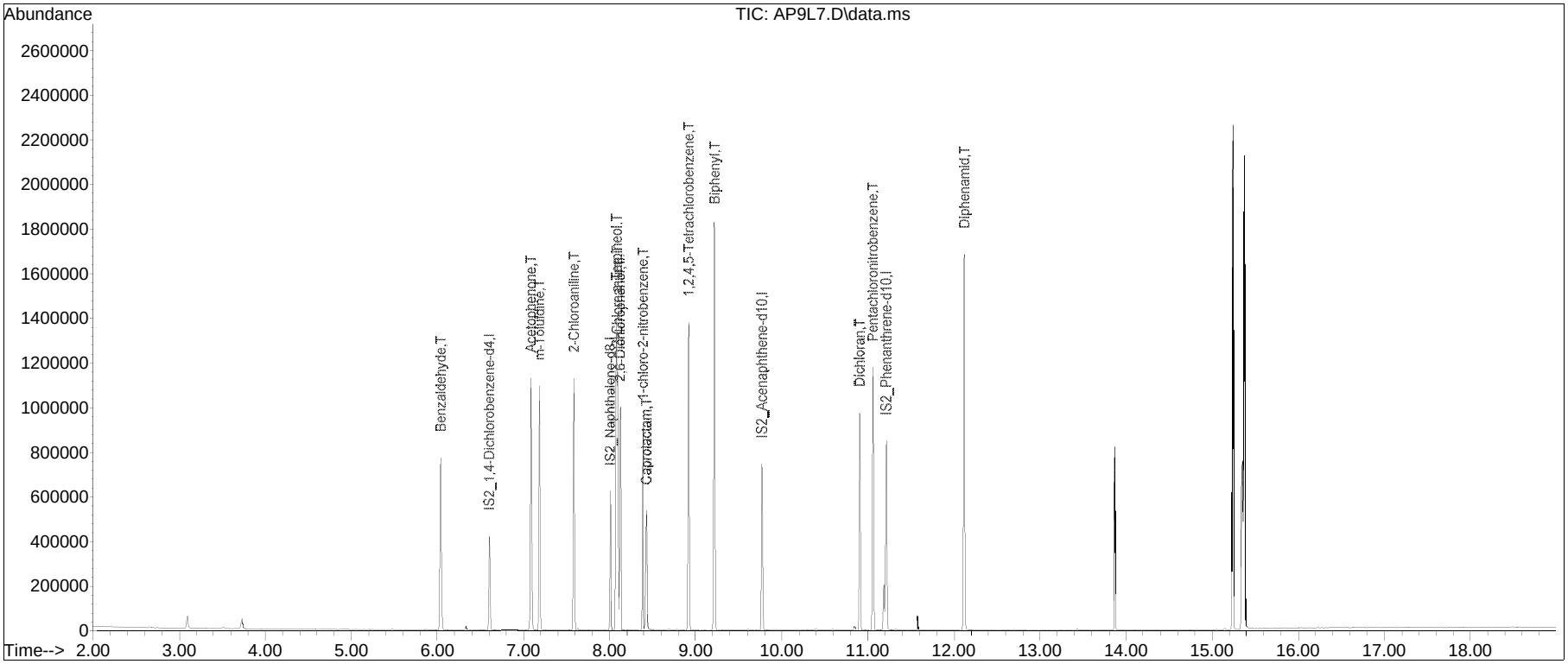
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L7.D
Acq On : 10 Oct 2024 12:27 am
Operator : SV106:HNY
Sample : IL4,32,,AP9L10 Lot# 11015
Misc : WG1984388
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 11:56:42 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L7.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 12:27 am	Instrument	: SV 106
Sample	: IL4,32,,AP9L10 Lot# 11015	Quant Date	: 10/11/2024 11:16 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L6.D
Acq On : 10 Oct 2024 12:51 am
Operator : SV106:HNY
Sample : IL5,32,,AP9L5 Lot# 11016
Misc : WG1984388
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 11:56:07 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	68577	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 100.00%			
55) IS2_Naphthalene-d8	8.010	136	261108	4.000	ug/ml	0.00
Standard Area 3 = 261108			Recovery = 100.00%			
83) IS2_Acenaphthene-d10	9.769	164	153971	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 100.00%			
98) IS2_Phenanthrene-d10	11.216	188	324206	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	83596	4.106	ug/ml	93
29) Acetophenone	7.087	105	155076	4.191	ug/ml#	81
30) m-Toluidine	7.187	106	139582	4.160	ug/ml	96
31) 2-Chloroaniline	7.587	127	141633	4.833	ug/ml#	92
56) a-Terpineol	8.075	59	91500	3.503	ug/ml#	79
57) 3-Chloroaniline	8.092	65	45585	3.480	ug/ml	99
58) 2,6-Dichlorophenol	8.122	162	101256	4.289	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.387	111	47719	4.057	ug/ml#	1
60) Caprolactam	8.422	55	49272	3.594	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.922	216	129995	3.631	ug/ml	98
62) Biphenyl	9.222	154	301797	4.264	ug/ml	100
84) Dichloran	10.904	206	34290	3.605	ug/ml#	69
85) Pentachloronitrobenzene	11.057	237	38263	3.680	ug/ml#	81
99) Diphenamid	12.116	167	214966	4.725	ug/ml#	78

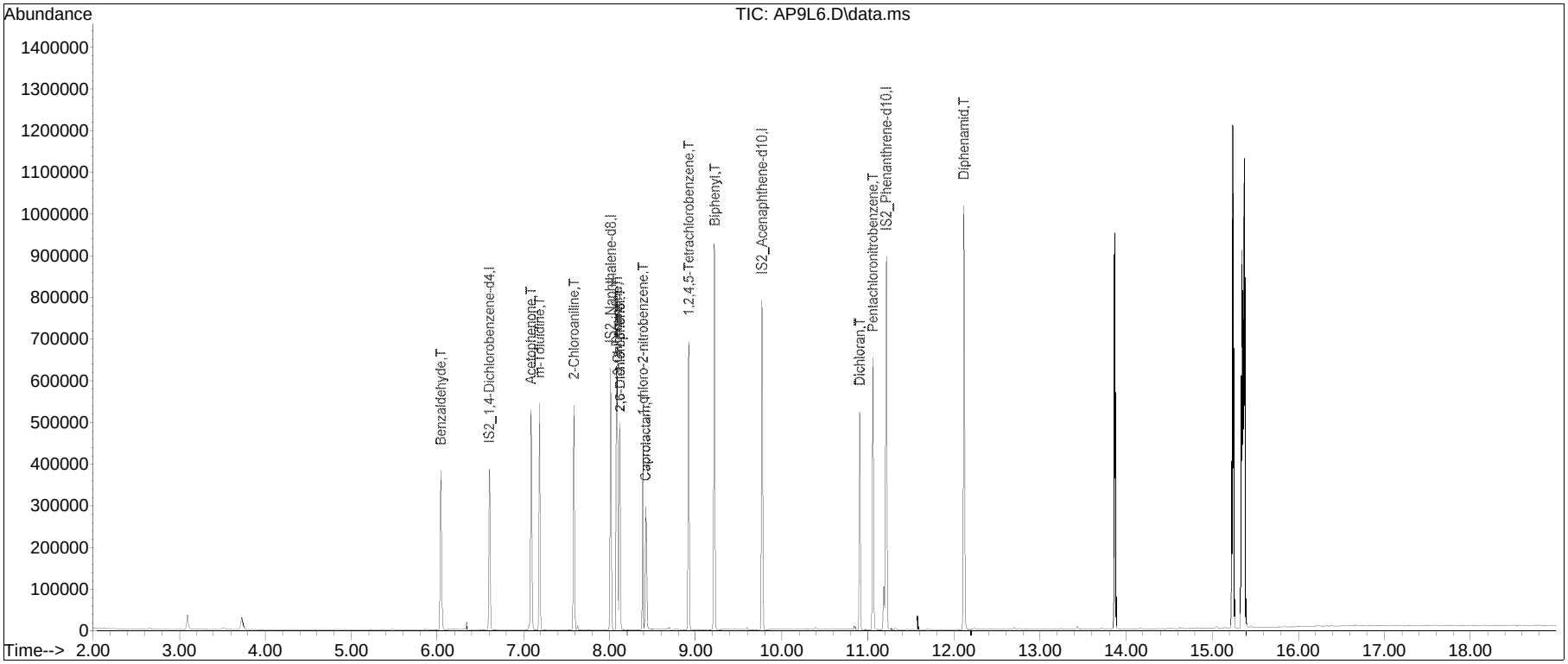
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L6.D
Acq On : 10 Oct 2024 12:51 am
Operator : SV106:HNY
Sample : IL5,32,,AP9L5 Lot# 11016
Misc : WG1984388
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 11:56:07 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L6.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 12:51 am	Instrument	: SV 106
Sample	: IL5,32,,AP9L5 Lot# 11016	Quant Date	: 10/11/2024 11:16 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L5.D
Acq On : 10 Oct 2024 1:15 am
Operator : SV106:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11017
Misc : WG1984388
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 11:55:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.604	152	62773	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 91.54%			
55) IS2_Naphthalene-d8	8.010	136	241460	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 92.48%			
83) IS2_Acenaphthene-d10	9.769	164	153739	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 99.85%			
98) IS2_Phenanthrene-d10	11.216	188	326212	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 100.62%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	39695	2.130	ug/ml	93
29) Acetophenone	7.092	105	73641	2.174	ug/ml#	81
30) m-Toluidine	7.187	106	64099	2.087	ug/ml	97
31) 2-Chloroaniline	7.586	127	66454	2.477	ug/ml#	91
56) a-Terpineol	8.075	59	43736	1.811	ug/ml#	83
57) 3-Chloroaniline	8.092	65	20806	1.718	ug/ml	96
58) 2,6-Dichlorophenol	8.116	162	46348	2.123	ug/ml#	86
59) 1-chloro-2-nitrobenzene	8.386	111	22713	2.088	ug/ml#	1
60) Caprolactam	8.422	55	22322	1.761	ug/ml#	70
61) 1,2,4,5-Tetrachloroben...	8.922	216	61732	1.865	ug/ml	98
62) Biphenyl	9.222	154	143630	2.195	ug/ml	100
84) Dichloran	10.904	206	16013	1.686	ug/ml#	68
85) Pentachloronitrobenzene	11.057	237	17687	1.704	ug/ml#	81
99) Diphenamid	12.116	167	98097	2.143	ug/ml#	79

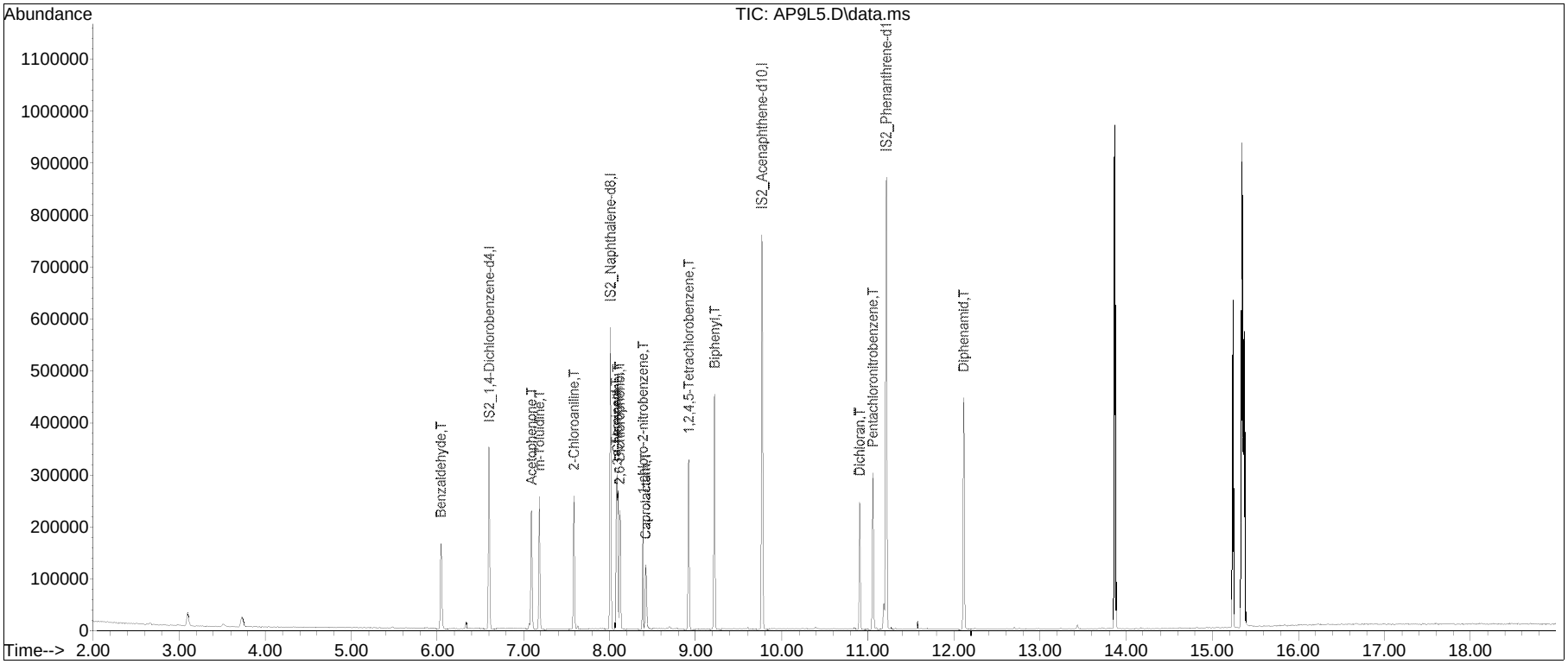
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L5.D
Acq On : 10 Oct 2024 1:15 am
Operator : SV106:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11017
Misc : WG1984388
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 11:55:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L5.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 1:15 am	Instrument	: SV 106
Sample	: IL6,32,,AP9L2.5 Lot# 11017	Quant Date	: 10/11/2024 11:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L4.D
Acq On : 10 Oct 2024 1:38 am
Operator : SV106:HNY
Sample : IL7,32,,AP9L1 Lot# 11018
Misc : WG1984388
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 11 11:55:03 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	71821	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery =	104.73%		
55) IS2_Naphthalene-d8	8.010	136	270768	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery =	103.70%		
83) IS2_Acenaphthene-d10	9.769	164	156722	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery =	101.79%		
98) IS2_Phenanthrene-d10	11.216	188	329147	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery =	101.52%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.045	105	15605	0.732	ug/ml	97
29) Acetophenone	7.092	105	28880	0.745	ug/ml#	81
30) m-Toluidine	7.186	106	24264	0.691	ug/ml	94
31) 2-Chloroaniline	7.586	127	26285	0.856	ug/ml#	90
56) a-Terpineol	8.080	59	15944	0.589	ug/ml#	74
57) 3-Chloroaniline	8.092	65	8091	0.596	ug/ml	97
58) 2,6-Dichlorophenol	8.116	162	17713	0.724	ug/ml#	83
59) 1-chloro-2-nitrobenzene	8.386	111	8568	0.702	ug/ml#	1
60) Caprolactam	8.422	55	8406	0.591	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.922	216	24850	0.669	ug/ml	96
62) Biphenyl	9.222	154	56095	0.764	ug/ml	99
84) Dichloran	10.904	206	5312	0.549	ug/ml#	73
85) Pentachloronitrobenzene	11.057	237	6373	0.602	ug/ml#	80
99) Diphenamid	12.115	167	37161	0.805	ug/ml#	78

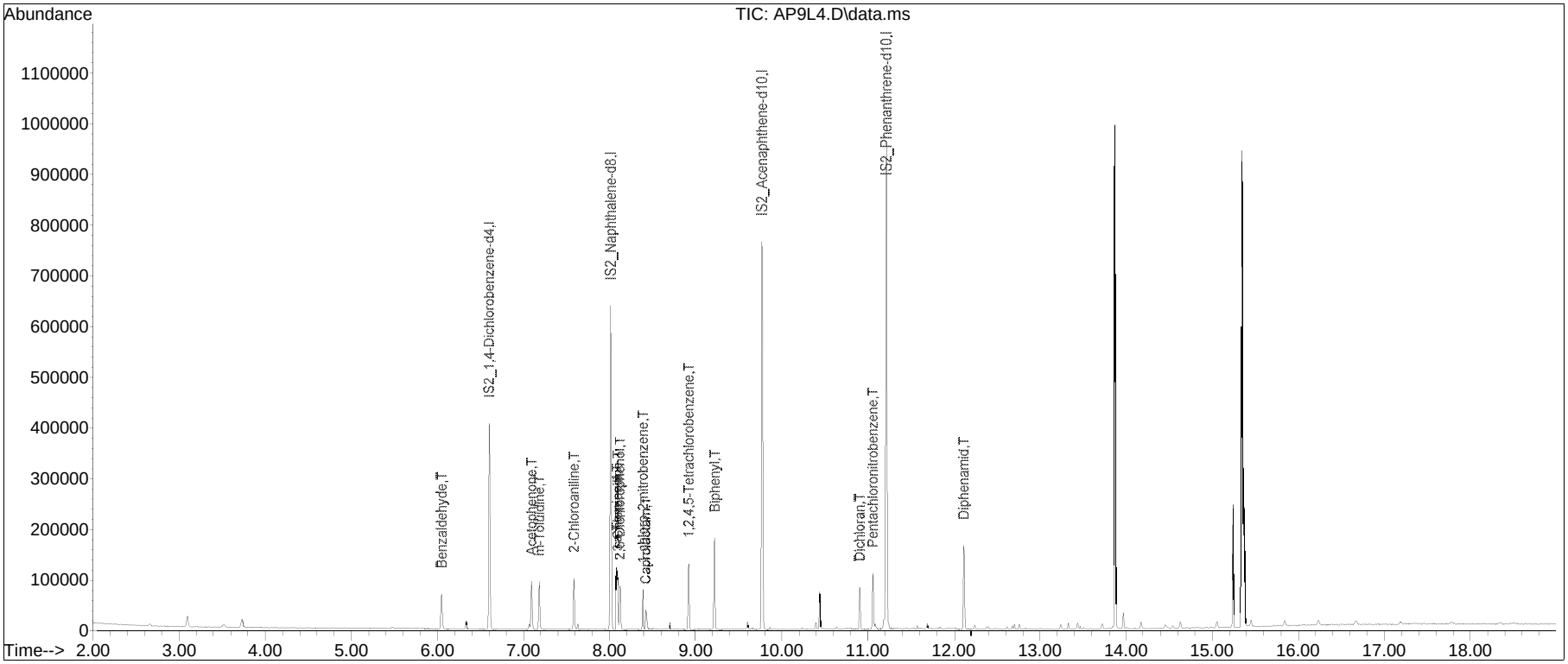
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L4.D
Acq On : 10 Oct 2024 1:38 am
Operator : SV106:HNY
Sample : IL7,32,,AP9L1 Lot# 11018
Misc : WG1984388
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 11 11:55:03 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L4.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 1:38 am	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 11018	Quant Date	: 10/11/2024 11:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L3.D
Acq On : 10 Oct 2024 2:02 am
Operator : SV106:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11019
Misc : WG1984388
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 11 11:54:32 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.604	152	68000	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 99.16%			
55) IS2_Naphthalene-d8	8.010	136	250467	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 95.92%			
83) IS2_Acenaphthene-d10	9.769	164	148065	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 96.16%			
98) IS2_Phenanthrene-d10	11.216	188	314272	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 96.94%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.045	105	8456	0.419	ug/ml	96
29) Acetophenone	7.092	105	16443	0.448	ug/ml#	85
30) m-Toluidine	7.187	106	11868	0.357	ug/ml	92
31) 2-Chloroaniline	7.587	127	13791	0.475	ug/ml#	90
56) a-Terpineol	8.081	59	8414	0.336	ug/ml#	67
57) 3-Chloroaniline	8.092	65	4590	0.365	ug/ml	91
58) 2,6-Dichlorophenol	8.122	162	9353	0.413	ug/ml#	83
59) 1-chloro-2-nitrobenzene	8.386	111	4720	0.418	ug/ml#	1
60) Caprolactam	8.422	55	4161	0.316	ug/ml#	66
61) 1,2,4,5-Tetrachloroben...	8.922	216	13865	0.404	ug/ml	94
62) Biphenyl	9.222	154	29826	0.439	ug/ml	97
84) Dichloran	10.904	206	2936	0.321	ug/ml#	66
85) Pentachloronitrobenzene	11.057	237	3571	0.357	ug/ml#	78
99) Diphenamid	12.116	167	18211	0.413	ug/ml#	80

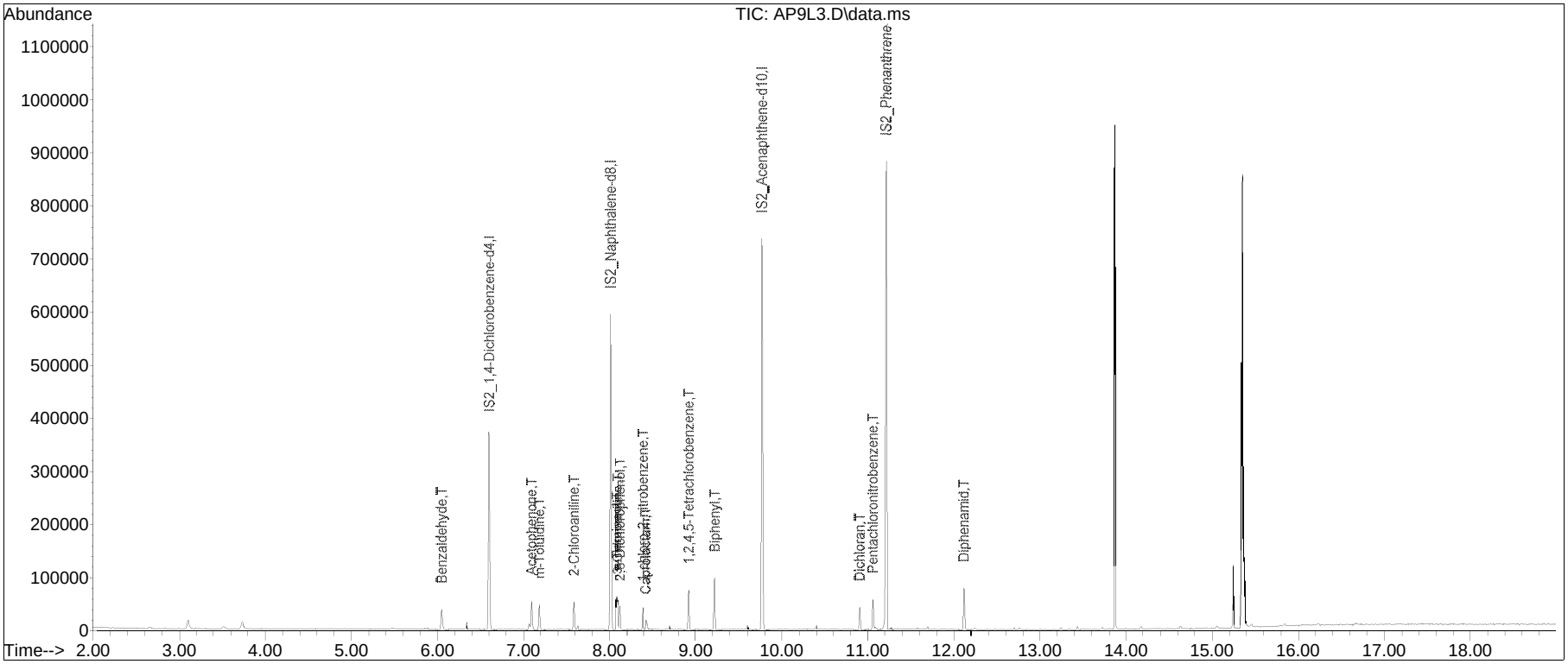
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L3.D
Acq On : 10 Oct 2024 2:02 am
Operator : SV106:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11019
Misc : WG1984388
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 11 11:54:32 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L3.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 2:02 am	Instrument	: SV 106
Sample	: IL8,32,,AP9L0.5 Lot# 11019	Quant Date	: 10/11/2024 11:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L2.D
Acq On : 10 Oct 2024 2:25 am
Operator : SV106:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11020
Misc : WG1984388
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 11:54:00 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	67059	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 97.79%			
55) IS2_Naphthalene-d8	8.010	136	247872	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 94.93%			
83) IS2_Acenaphthene-d10	9.769	164	150701	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 97.88%			
98) IS2_Phenanthrene-d10	11.216	188	312804	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 96.48%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.045	105	2842	0.143	ug/ml	100
29) Acetophenone	7.093	105	5987	0.165	ug/ml#	91
30) m-Toluidine	7.187	106	2431	0.074	ug/ml#	94
31) 2-Chloroaniline	7.587	127	5084	0.177	ug/ml#	90
56) a-Terpineol	8.081	59	3312	0.134	ug/ml#	86
57) 3-Chloroaniline	8.092	65	1322	0.106	ug/ml	83
58) 2,6-Dichlorophenol	8.122	162	3498	0.156	ug/ml#	82
59) 1-chloro-2-nitrobenzene	8.387	111	1705	0.153	ug/ml#	1
60) Caprolactam	8.434	55	1502M1	0.115	ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.922	216	4806	0.141	ug/ml	95
62) Biphenyl	9.222	154	10475	0.156	ug/ml	93
84) Dichloran	10.904	206	961	0.103	ug/ml#	81
85) Pentachloronitrobenzene	11.057	237	1221	0.120	ug/ml#	83
99) Diphenamid	12.116	167	7187	0.164	ug/ml#	73

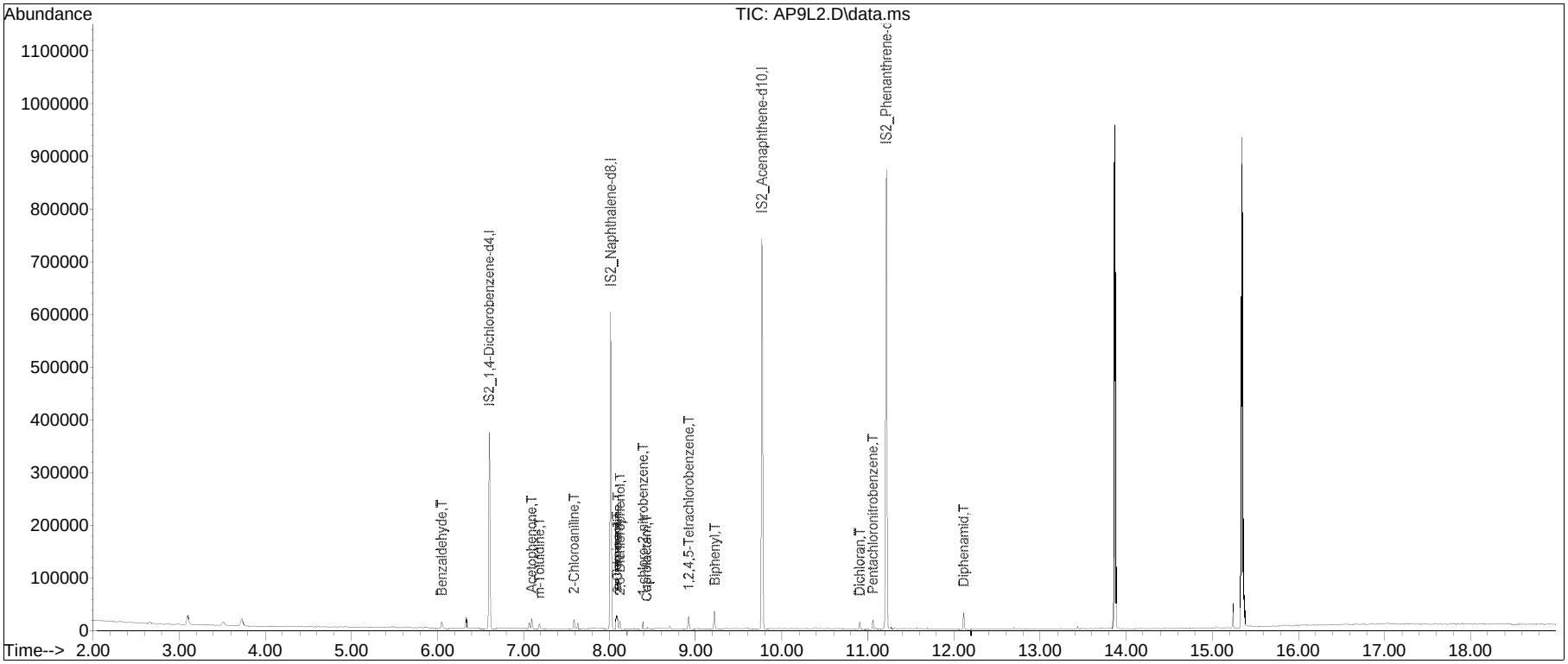
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L2.D
Acq On : 10 Oct 2024 2:25 am
Operator : SV106:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11020
Misc : WG1984388
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 11:54:00 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

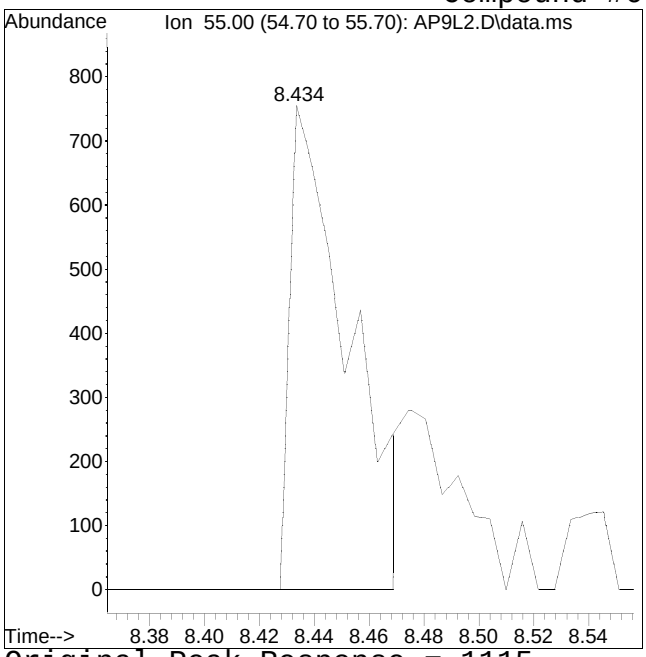
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



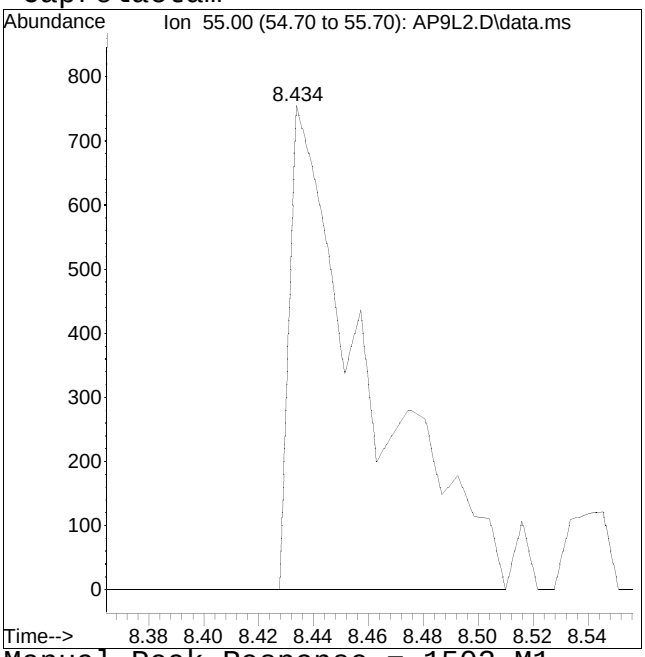
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : AP9L2.D Operator : SV106:HNY
Date Inj'd : 10/10/2024 2:25 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11020Quant Date : 10/11/2024 11:15 am

Compound #60: Caprolactam



Original Peak Response = 1115



Manual Peak Response = 1502 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L1.D
Acq On : 10 Oct 2024 2:49 am
Operator : SV106:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11021
Misc : WG1984388
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 11 11:53:01 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	70009	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 102.09%			
55) IS2_Naphthalene-d8	8.010	136	259789	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 99.49%			
83) IS2_Acenaphthene-d10	9.769	164	152390	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 98.97%			
98) IS2_Phenanthrene-d10	11.216	188	307694	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 94.91%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.051	105	1355	0.065	ug/ml	92
29) Acetophenone	7.092	105	3024	0.080	ug/ml#	79
30) m-Toluidine	7.192	106	500	0.015	ug/ml#	11
31) 2-Chloroaniline	7.586	127	2385	0.080	ug/ml#	89
56) a-Terpineol	8.081	59	1789	0.069	ug/ml	88
57) 3-Chloroaniline	8.092	65	707	0.054	ug/ml	85
58) 2,6-Dichlorophenol	8.122	162	1585	0.067	ug/ml#	82
59) 1-chloro-2-nitrobenzene	8.386	111	830	0.071	ug/ml#	1
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	8.922	216	2353	0.066	ug/ml	97
62) Biphenyl	9.222	154	5193	0.074	ug/ml	94
84) Dichloran	10.904	206	503	0.053	ug/ml	81
85) Pentachloronitrobenzene	11.057	237	777	0.076	ug/ml#	7
99) Diphenamid	12.116	167	3550	0.082	ug/ml#	75

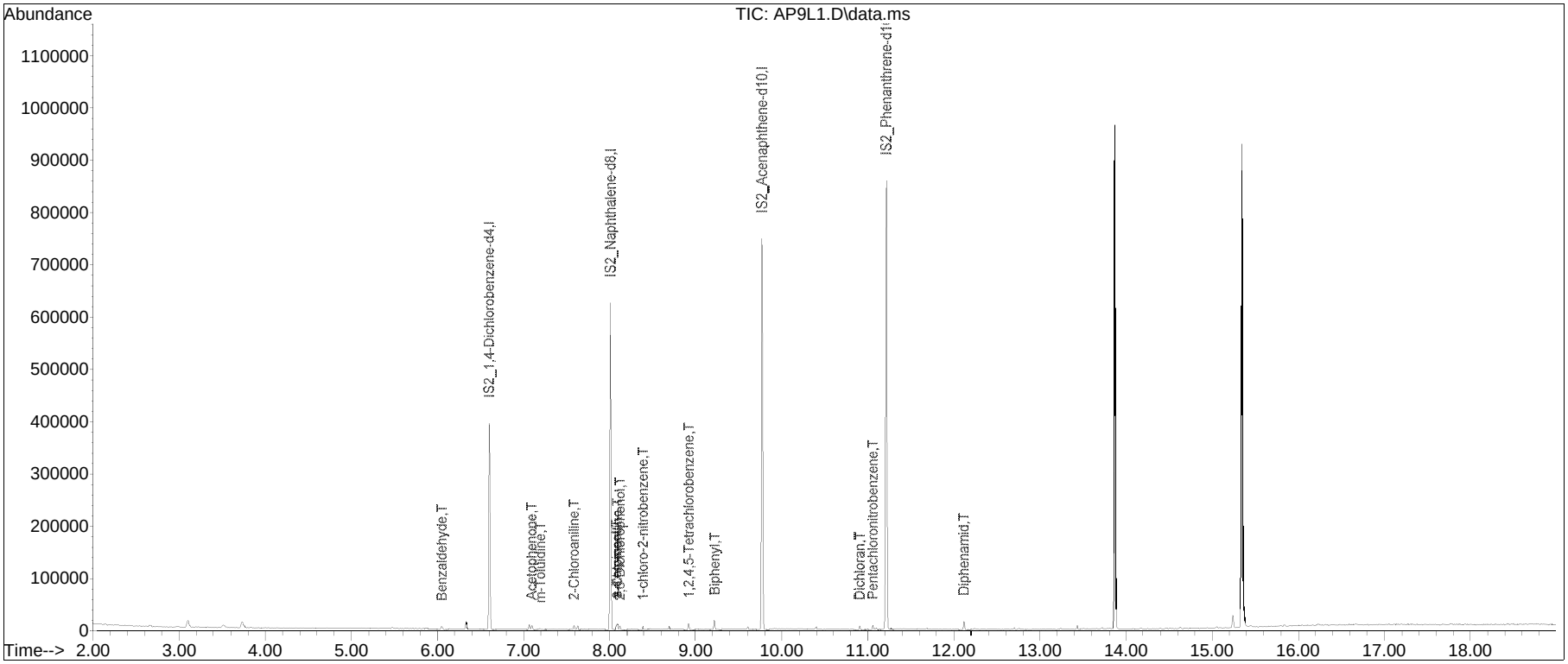
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L1.D
Acq On : 10 Oct 2024 2:49 am
Operator : SV106:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11021
Misc : WG1984388
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 11 11:53:01 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L1.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 2:49 am	Instrument	: SV 106
Sample	: IL10,32,,AP9L0.1 Lot# 1102	Quant Date	: 10/11/2024 11:15 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	99	0.00
2	t	n-Nitrosodimethylamine		0.760	0.773	-1.7	101	0.00
3	t	Pyridine		1.219	1.269	-4.1	104	0.00
4	S	2-Fluorophenol		1.245	1.223	1.8	99	0.00
5	T	Aniline		1.771	1.817	-2.6	99	0.00
6	t	2-Chlorophenol		1.365	1.381	-1.2	99	0.00
7	S	Phenol-d6		1.498	1.497	0.1	101	0.00
8	T	Phenol		1.555	1.590	-2.3	100	0.00
9	T	Bis(2-chloroethyl)ether		1.280	1.286	-0.5	99	0.00
10	T	1,3-Dichlorobenzene		1.669	1.677	-0.5	102	0.00
11	T	1,4-Dichlorobenzene		1.700	1.683	1.0	101	0.00
12	T	1,2-Dichlorobenzene		1.630	1.606	1.5	99	0.00
13	t	Benzyl alcohol		1.060	1.078	-1.7	100	0.00
14	T	Bis(2-chloroisopropyl)ether		2.014	2.003	0.5	101	0.00
15	T	2-Methylphenol		1.123	1.137	-1.2	99	0.00
16	T	Hexachloroethane		0.614	0.614	0.0	101	0.00
17	T	n-Nitrosodi-n-propylamine		0.940	0.946	-0.6	98	0.00
18	T	3-Methylphenol/4-Methylphen		1.225	1.245	-1.6	99	0.00
19	S	Nitrobenzene-d5		1.359	1.398	-2.9	101	0.00
20	T	Nitrobenzene		1.389	1.408	-1.4	101	0.00
21	T	Isophorone		2.416	2.493	-3.2	100	0.00
22	T	2-Nitrophenol		0.713	0.720	-1.0	95	0.00
23	T	2,4-Dimethylphenol		1.119	1.080	3.5	95	0.00
24	T	Bis(2-chloroethoxy)methane		1.614	1.673	-3.7	101	0.00
25	T	2,4-Dichlorophenol		1.250	1.287	-3.0	98	0.00
26	T	1,2,4-Trichlorobenzene		1.449	1.440	0.6	101	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	97	0.00
36	T	Naphthalene		1.129	1.129	0.0	101	0.00
37	T	Benzoic Acid	*	5.000	4.755	4.9	93	0.00
38	T	4-Chloroaniline		0.127	0.131	-3.1	99	0.00
39	T	Hexachlorobutadiene		0.239	0.246	-2.9	100	0.00
40	T	p-Chloro-m-cresol		0.296	0.303	-2.4	97	0.00
41	T	2-Methylnaphthalene		0.752	0.781	-3.9	102	0.00
42	T	1-Methylnaphthalene		0.243	0.250	-2.9	103	0.00
43	T	Hexachlorocyclopentadiene		0.262	0.282	-7.6	105	0.00
44	T	2,4,6-Trichlorophenol		0.275	0.278	-1.1	95	0.00
45	T	2,4,5-Trichlorophenol		0.285	0.294	-3.2	99	0.00
46	S	2-Fluorobiphenyl		0.926	0.958	-3.5	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.785	0.792	-0.9	100	0.00
48	T	2-Nitroaniline		0.223	0.235	-5.4	98	0.00
49	T	1,4-Dinitrobenzene		0.114	0.120	-5.3	96	0.00
50	T	1,3-Dinitrobenzene		0.125	0.137	-9.6	98	0.00
51	T	Dimethyl phthalate		0.915	0.968	-5.8	100	0.00
52	T	Acenaphthylene		1.170	1.253	-7.1	104	0.00
53	T	2,6-Dinitrotoluene		0.186	0.207	-11.3	99	0.00
54	T	1,2-Dinitrobenzene		0.081	0.087	-7.4	99	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	97	0.00
64	T	3-Nitroaniline		0.323	0.349	-8.0	101	0.00
65	T	Acenaphthene		1.157	1.189	-2.8	104	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.890	2.2	92	0.00
67	T	Dibenzofuran		1.872	1.841	1.7	101	0.00
68	T	2,4-Dinitrotoluene		0.419	0.446	-6.4	99	0.00
69	T	4-Nitrophenol		0.239	0.247	-3.3	94	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.390	0.422	-8.2	101	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.385	0.413	-7.3	100	0.00
72	T	Diethyl phthalate		1.518	1.519	-0.1	99	0.00
73	T	Fluorene		1.462	1.457	0.3	99	0.00
74	T	4-Chlorophenyl phenyl ether		0.750	0.742	1.1	100	0.00
75	T	4-Nitroaniline		0.329	0.337	-2.4	98	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.554	8.9	95	0.00
77	T	NDPA/DPA		1.261	1.306	-3.6	101	0.00
78	T	Azobenzene		1.232	1.248	-1.3	98	0.00
79	S	2,4,6-Tribromophenol		0.226	0.229	-1.3	97	0.00
80	T	4-Bromophenyl phenyl ether		0.465	0.464	0.2	99	0.00
81	T	Hexachlorobenzene		0.526	0.512	2.7	100	0.00
82	T	Pentachlorophenol		0.319	0.320	-0.3	95	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	97	0.00
89	T	Phenanthrene		1.174	1.168	0.5	101	0.00
90	T	Anthracene		1.170	1.177	-0.6	102	0.00
91	T	Carbazole		1.054	1.069	-1.4	99	0.00
92	T	Di-n-butylphthalate		1.319	1.407	-6.7	101	0.00
93	T	Fluoranthene		1.353	1.408	-4.1	101	0.00
94	T	Benzidine		0.776	0.858	-10.6	99	0.00
95	T	Pyrene		1.428	1.499	-5.0	103	0.00
96	S	4-Terphenyl-d14		1.073	1.135	-5.8	104	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.555	0.604	-8.8	98	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	98	0.00
105	T	Benzo(a)anthracene	1.379	1.351	2.0	101	0.00
106	T	3,3'-Dichlorobenzidine	0.453	0.477	-5.3	100	0.00
107	T	Chrysene	1.324	1.265	4.5	99	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.828	0.908	-9.7	100	0.00
109	T	Di-n-octylphthalate	1.373	1.522	-10.9	99	0.00
110	T	Benzo(b)fluoranthene	1.331	1.301	2.3	99	0.00
111	T	Benzo(k)fluoranthene	1.240	1.307	-5.4	102	0.00
112	T	Benzo(a)pyrene	1.155	1.237	-7.1	105	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.213	1.215	-0.2	97	0.00
115	T	Dibenzo(a,h)anthracene	1.153	1.219	-5.7	101	0.00
116	T	Benzo(ghi)perylene	1.080	1.119	-3.6	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.604	152	68684	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 99.12%			
35) IS1_Naphthalene-d8	8.010	136	257423	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 97.29%			
63) IS1_Acenaphthene-d10	9.775	164	161843	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 96.93%			
88) IS1_Phenanthrene-d10	11.216	188	316695	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 97.01%			
104) IS1_Chrysene-d12	13.868	240	347282	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 98.16%			
113) IS1_Perylene-d12	15.345	264	367125	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 96.68%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	105042	4.915	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 245.75%#			
7) Phenol-d6	6.228	99	128496	4.996	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.80%#			
19) Nitrobenzene-d5	7.245	82	119995	5.141	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 514.10%#			
46) 2-Fluorobiphenyl	9.128	172	308242	5.174	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 517.40%#			
79) 2,4,6-Tribromophenol	10.545	330	46238	5.050	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.50%#			
96) 4-Terphenyl-d14	12.804	244	449426	5.288	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 528.80%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.305	74	66355	5.083	ug/ml#	67
3) Pyridine	2.340	79	108986	5.208	ug/ml#	63
5) Aniline	6.198	93	156034	5.131	ug/ml	97
6) 2-Chlorophenol	6.340	128	118551	5.057	ug/ml	91
8) Phenol	6.245	94	136545	5.115	ug/ml	95
9) Bis(2-chloroethyl)ether	6.322	93	110450	5.024	ug/ml	87
10) 1,3-Dichlorobenzene	6.528	146	143984	5.025	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	144474	4.950	ug/ml	97
12) 1,2-Dichlorobenzene	6.798	146	137894	4.926	ug/ml	97

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	92581	5.086	ug/ml	99
14) Bis(2-chloroisopropyl)...	6.975	45	171977	4.974	ug/ml#	58
15) 2-Methylphenol	6.963	108	97643	5.062	ug/ml	96
16) Hexachloroethane	7.181	117	52744	5.004	ug/ml#	59
17) n-Nitrosodi-n-propylamine	7.122	70	81185	5.029	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.145	108	106865	5.080	ug/ml	98
20) Nitrobenzene	7.269	77	120866	5.068	ug/ml	96
21) Isophorone	7.545	82	214041	5.159	ug/ml	98
22) 2-Nitrophenol	7.622	139	61782	5.049	ug/ml	88
23) 2,4-Dimethylphenol	7.716	107	92715	4.827	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	143604	5.181	ug/ml	100
25) 2,4-Dichlorophenol	7.881	162	110484	5.148	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.963	180	123600	4.968	ug/ml	94
36) Naphthalene	8.034	128	363286	4.999	ug/ml	100
37) Benzoic Acid	7.804	105	65401	4.755	ug/ml	94
38) 4-Chloroaniline	8.110	65	42184	5.175	ug/ml#	72
39) Hexachlorobutadiene	8.198	225	79167	5.152	ug/ml	99
40) p-Chloro-m-cresol	8.633	107	97611	5.120	ug/ml	93
41) 2-Methylnaphthalene	8.745	142	251305	5.189	ug/ml	96
42) 1-Methylnaphthalene	8.839	115	80597	5.144	ug/ml	95
43) Hexachlorocyclopentadiene	8.922	237	90794	5.387	ug/ml	98
44) 2,4,6-Trichlorophenol	9.039	196	89438	5.050	ug/ml	99
45) 2,4,5-Trichlorophenol	9.069	196	94454	5.151	ug/ml	99
47) 2-Chloronaphthalene	9.228	162	254917	5.049	ug/ml	96
48) 2-Nitroaniline	9.333	138	75716	5.268	ug/ml#	83
49) 1,4-Dinitrobenzene	9.469	168	38619	5.263	ug/ml#	75
50) 1,3-Dinitrobenzene	9.545	168	44206	5.496	ug/ml#	1
51) Dimethyl phthalate	9.539	163	311435	5.291	ug/ml#	99
52) Acenaphthylene	9.628	152	403177	5.356	ug/ml	99
53) 2,6-Dinitrotoluene	9.581	165	66602	5.566	ug/ml#	73
54) 1,2-Dinitrobenzene	9.628	168	28077	5.413	ug/ml#	1
64) 3-Nitroaniline	9.739	138	70653	5.406	ug/ml#	92
65) Acenaphthene	9.804	154	240578	5.139	ug/ml	93
66) 2,4-Dinitrophenol	9.839	184	38145	4.890	ug/ml#	84
67) Dibenzofuran	9.975	168	372461	4.918	ug/ml	96
68) 2,4-Dinitrotoluene	9.975	165	90317	5.325	ug/ml	88
69) 4-Nitrophenol	9.922	65	50008	5.173	ug/ml#	80
70) 2,3,5,6-Tetrachlorophenol	10.063	232	85379	5.405	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	83604	5.362	ug/ml	97
72)	Diethyl phthalate	10.233	149	307265	5.003	ug/ml	99
73)	Fluorene	10.310	166	294821	4.984	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.328	204	150045	4.942	ug/ml	89
75)	4-Nitroaniline	10.333	138	68272	5.134	ug/ml#	82
76)	4,6-Dinitro-o-cresol	10.369	198	51882	4.554	ug/ml#	60
77)	NDPA/DPA	10.439	169	264255	5.178	ug/ml	99
78)	Azobenzene	10.475	77	252540	5.065	ug/ml#	90
80)	4-Bromophenyl phenyl e...	10.798	248	93831	4.989	ug/ml#	84
81)	Hexachlorobenzene	10.851	284	103516	4.861	ug/ml#	83
82)	Pentachlorophenol	11.045	266	64691	5.020	ug/ml	99
89)	Phenanthrene	11.239	178	462471	4.977	ug/ml	99
90)	Anthracene	11.286	178	465973	5.029	ug/ml	99
91)	Carbazole	11.451	167	423253	5.073	ug/ml	99
92)	Di-n-butylphthalate	11.839	149	556869	5.333	ug/ml	98
93)	Fluoranthene	12.398	202	557525	5.203	ug/ml#	92
94)	Benzidine	12.545	184	339703	5.530	ug/ml#	95
95)	Pyrene	12.616	202	593234	5.248	ug/ml	100
97)	Butyl benzyl phthalate	13.327	149	238944	5.443	ug/ml	87
105)	Benzo(a)anthracene	13.857	228	586338	4.896	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.857	252	206912	5.260	ug/ml#	97
107)	Chrysene	13.898	228	549197	4.779	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	13.968	149	394308	5.485	ug/ml#	93
109)	Di-n-octylphthalate	14.651	149	660821	5.543	ug/ml#	73
110)	Benzo(b)fluoranthene	14.974	252	564800	4.888	ug/ml#	95
111)	Benzo(k)fluoranthene	15.004	252	567319	5.271	ug/ml#	94
112)	Benzo(a)pyrene	15.292	252	537065	5.356	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.357	276	557701M6	5.011	ug/mL	
115)	Dibenzo(a,h)anthracene	16.380	278	559514	5.286	ug/ml#	91
116)	Benzo(ghi)perylene	16.621	276	513605	5.182	ug/ml#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

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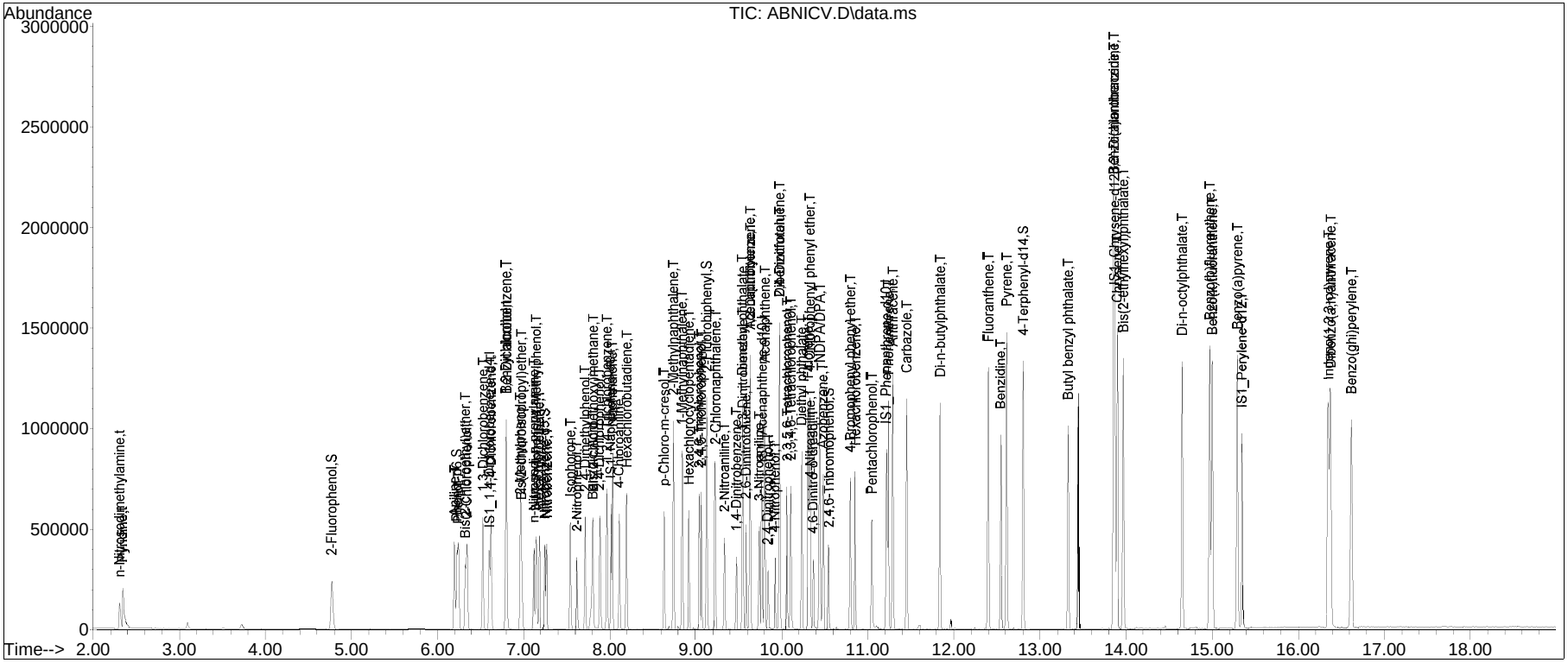
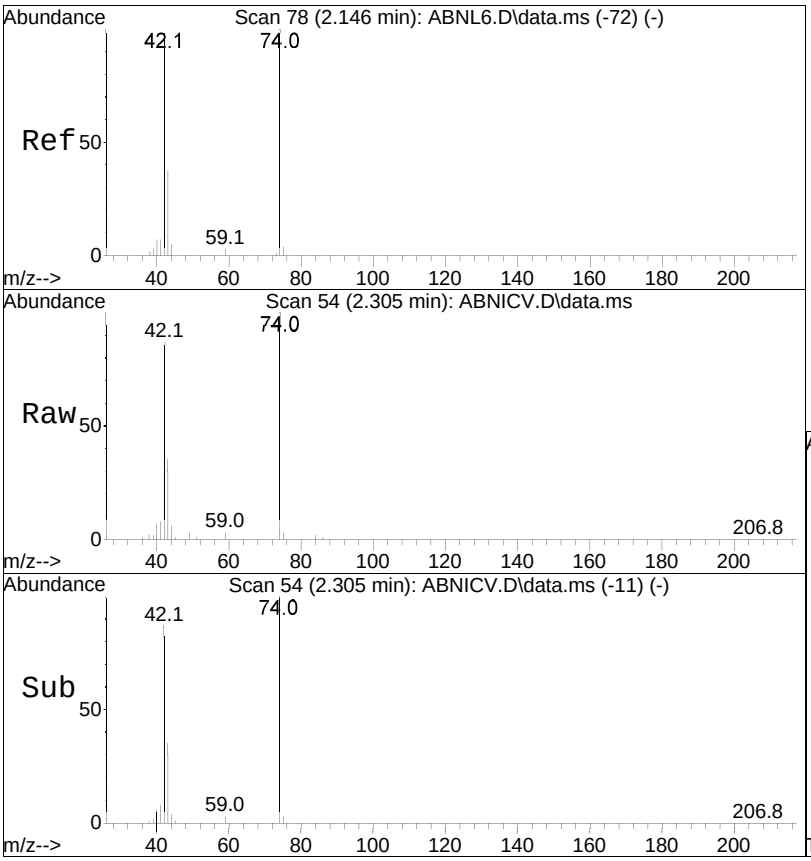
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

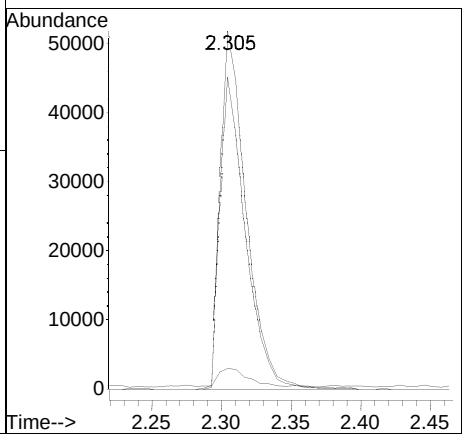


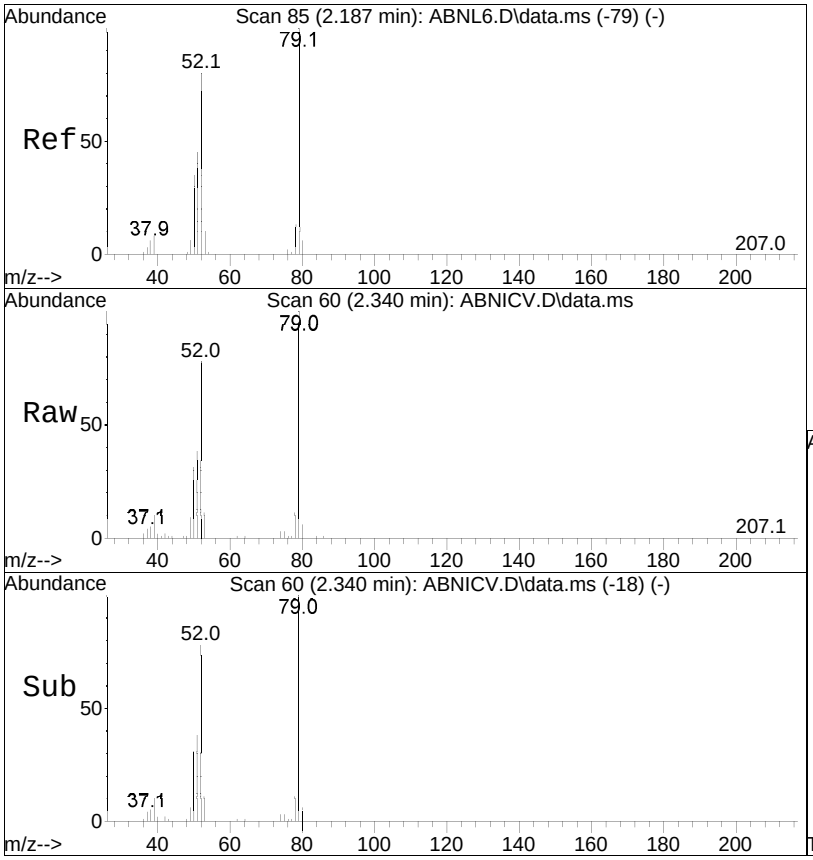


#2
n-Nitrosodimethylamine
Concen: 5.08 ug/ml
RT: 2.305 min Scan# 54
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 74 Resp: 66355

Ion	Ratio	Lower	Upper
74	100		
42	85.7	100.0	150.0#
44	5.5	6.7	10.1#

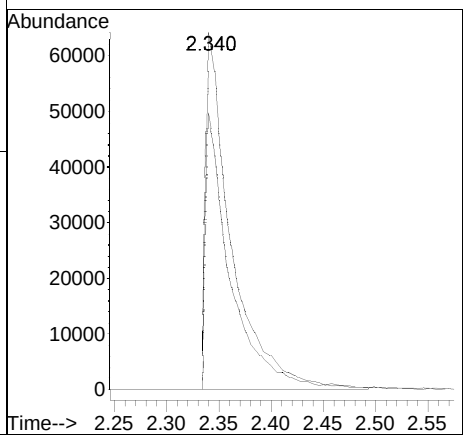


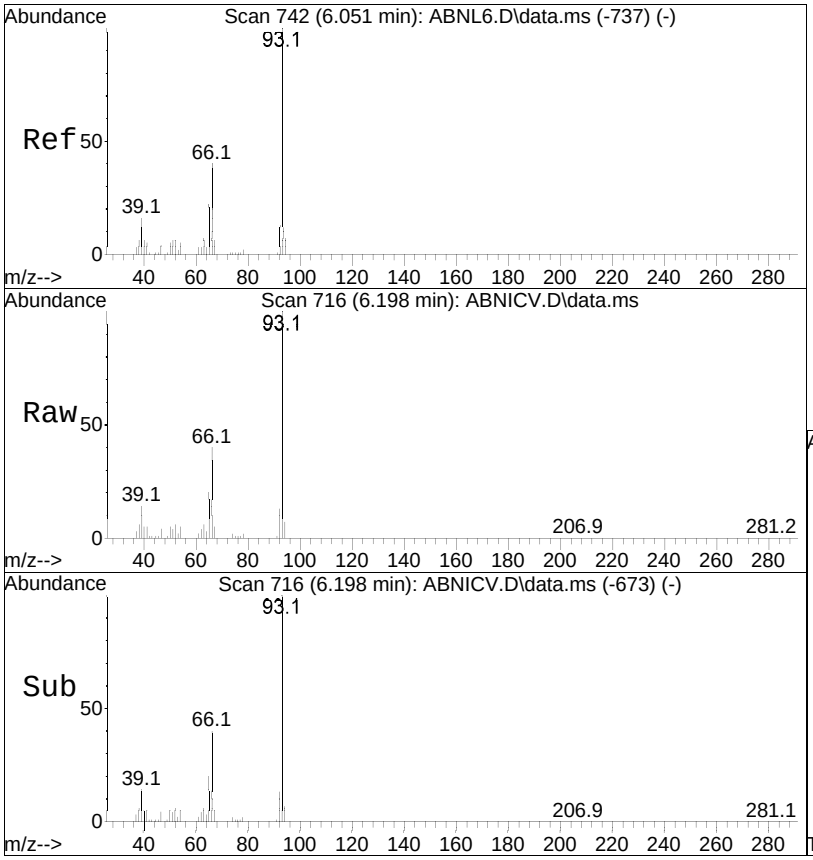


#3
Pyridine
Concen: 5.21 ug/ml
RT: 2.340 min Scan# 60
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 79 Resp: 108986

Ion	Ratio	Lower	Upper
79	100		
52	76.1	93.1	139.7#

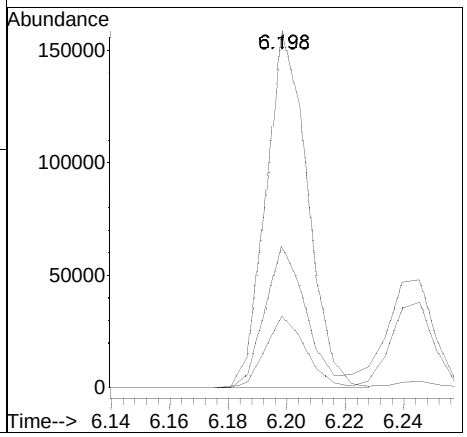


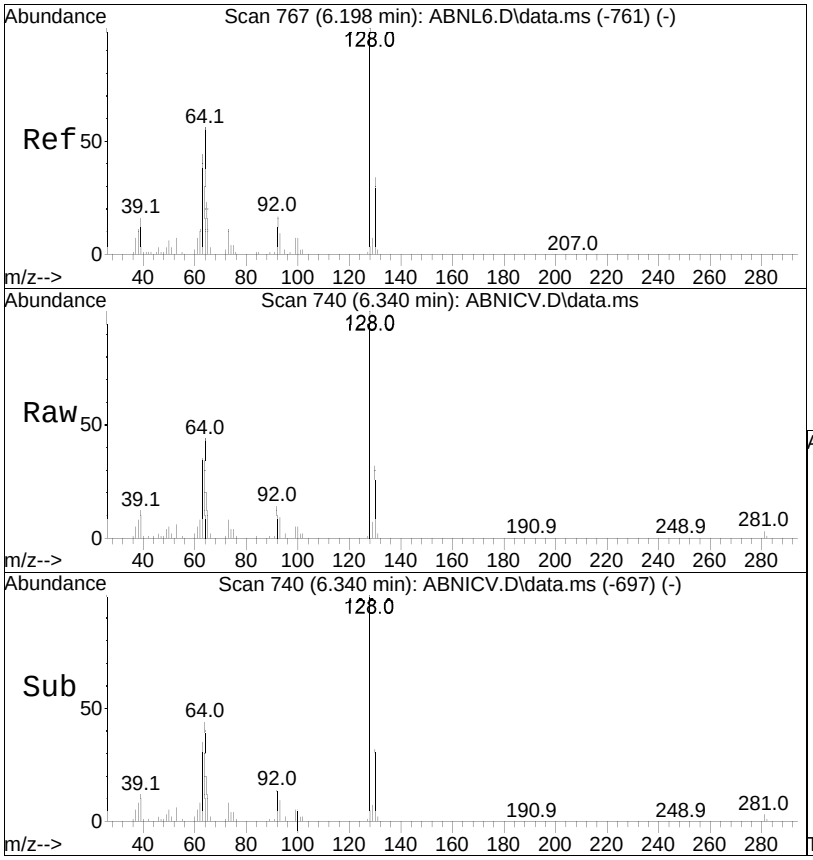


#5
Aniline
Concen: 5.13 ug/ml
RT: 6.198 min Scan# 716
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 93 Resp: 156034

Ion	Ratio	Lower	Upper
93	100		
66	39.1	32.6	49.0
65	19.7	17.6	26.4

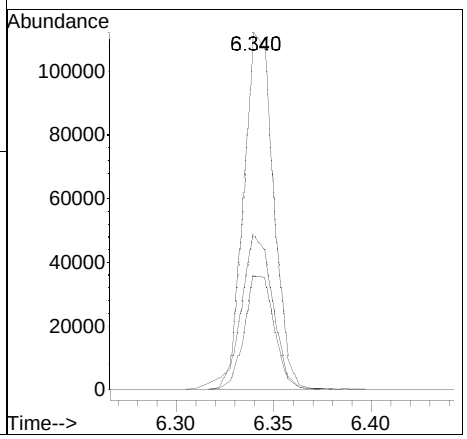


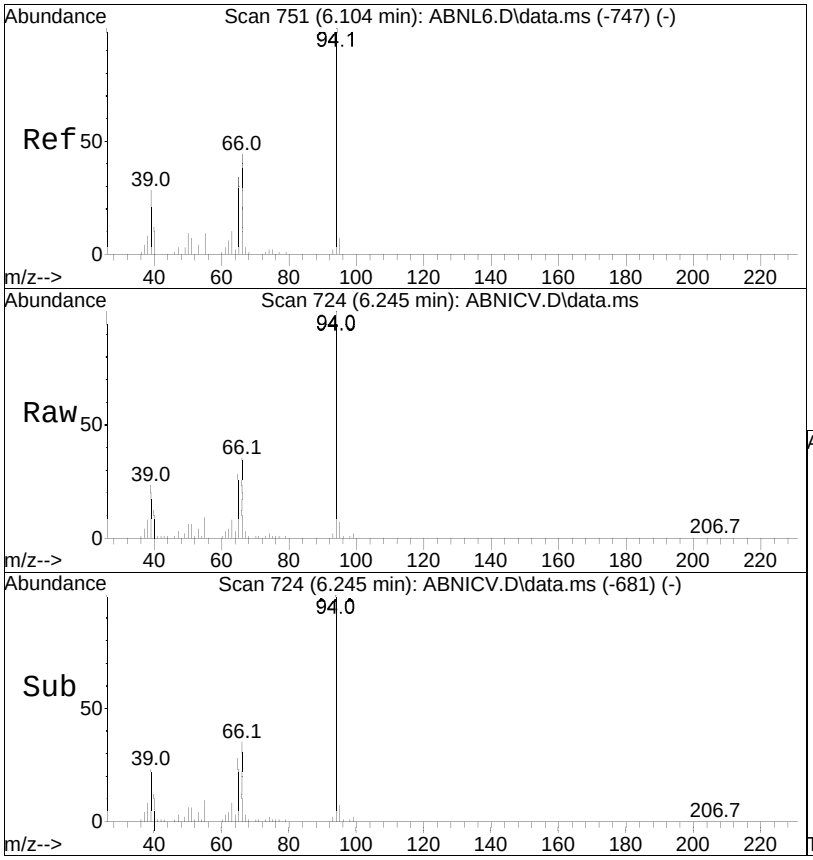


#6
2-Chlorophenol
Concen: 5.06 ug/ml
RT: 6.340 min Scan# 740
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:128 Resp: 118551

Ion	Ratio	Lower	Upper
128	100		
64	46.4	45.1	67.7
130	32.2	26.2	39.4

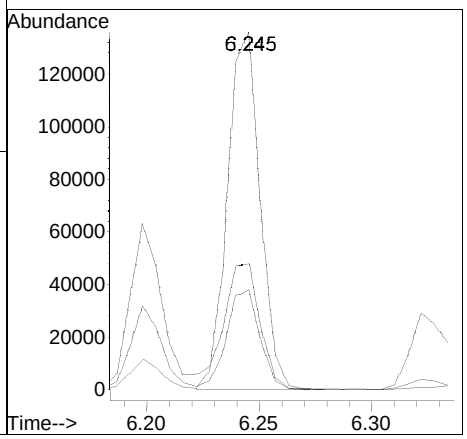


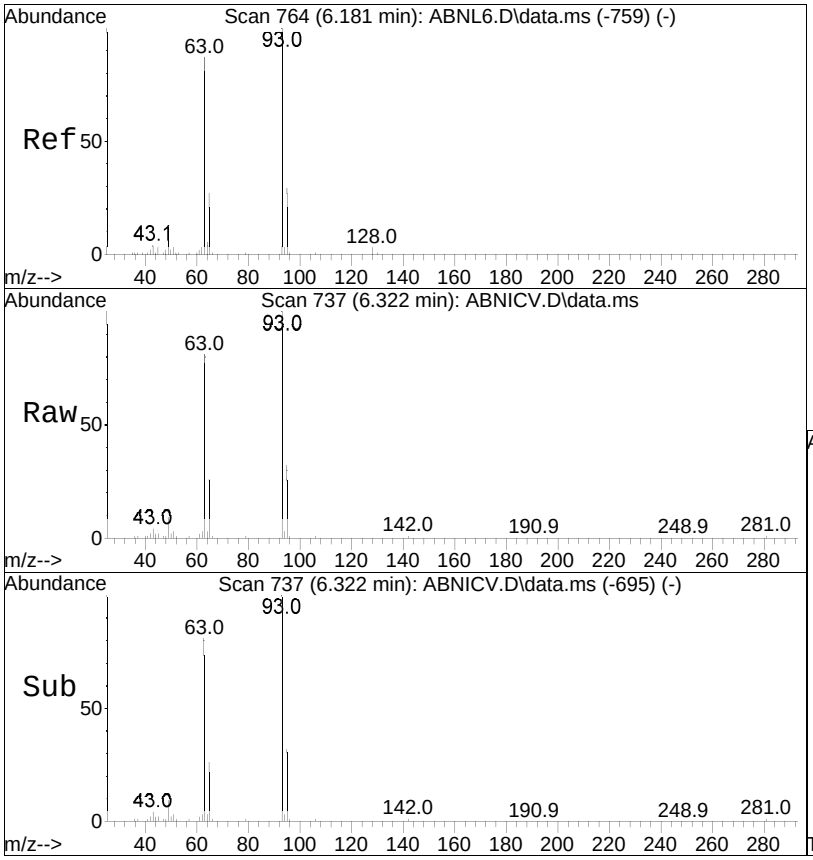


#8
Phenol
Concen: 5.12 ug/ml
RT: 6.245 min Scan# 724
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 94 Resp: 136545

Ion	Ratio	Lower	Upper
94	100		
65	28.7	26.0	39.0
66	39.5	33.8	50.8

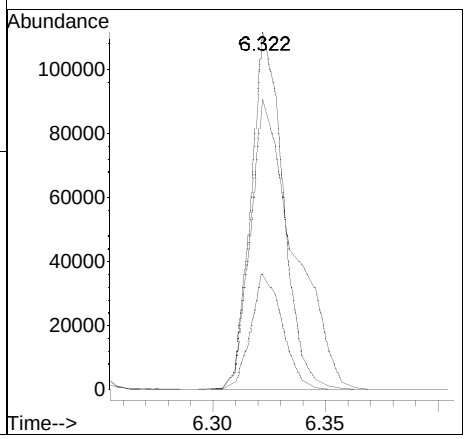


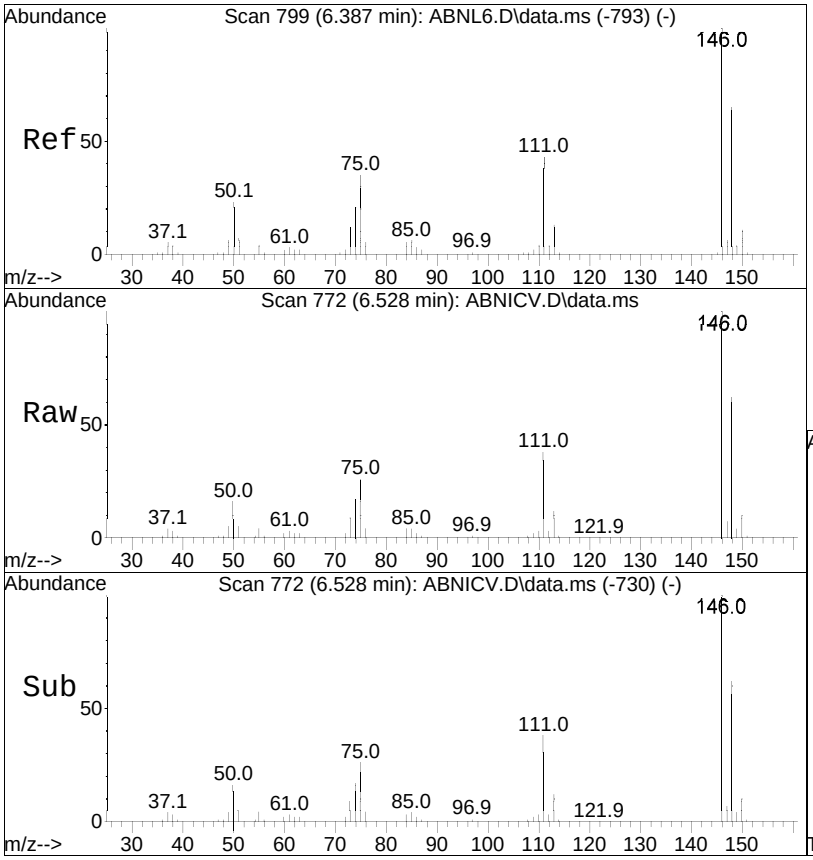


#9
Bis(2-chloroethyl)ether
Concen: 5.02 ug/ml
RT: 6.322 min Scan# 737
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 93 Resp: 110450

Ion	Ratio	Lower	Upper
93	100		
63	110.3	74.6	111.8
95	31.7	25.9	38.9

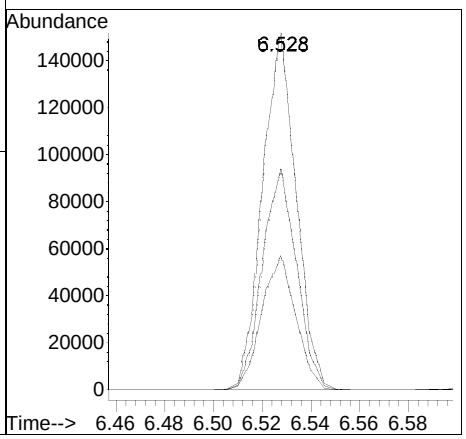


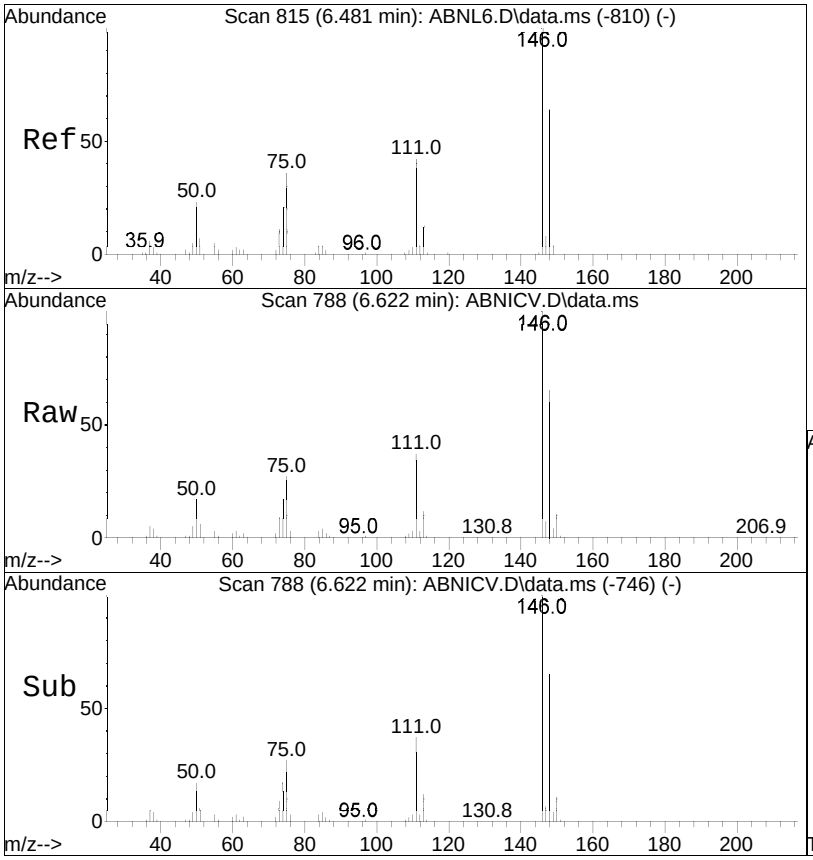


#10
1,3-Dichlorobenzene
Concen: 5.02 ug/ml
RT: 6.528 min Scan# 772
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:146 Resp: 143984

Ion	Ratio	Lower	Upper
146	100		
111	38.6	34.3	51.5
148	63.2	50.8	76.2

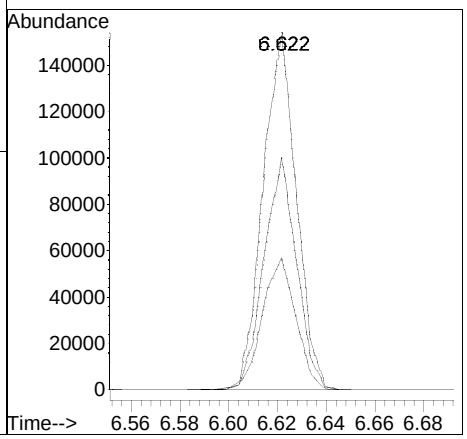


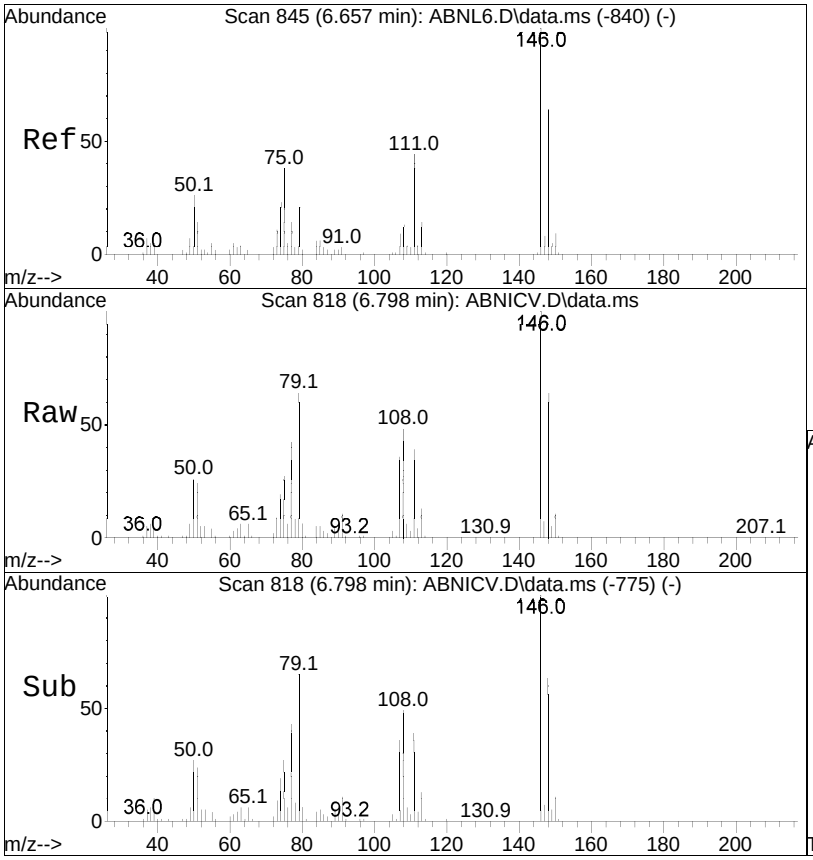


#11
1,4-Dichlorobenzene
Concen: 4.95 ug/ml
RT: 6.622 min Scan# 788
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:146 Resp: 144474

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.7	76.1
111	37.9	33.4	50.0

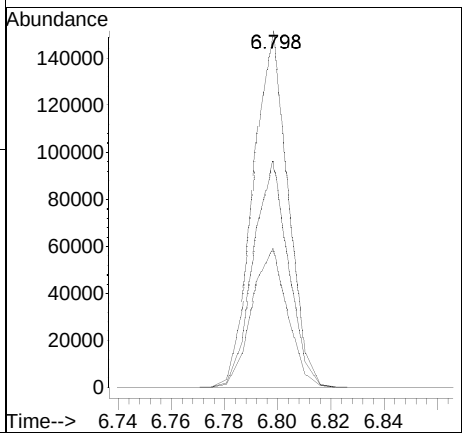


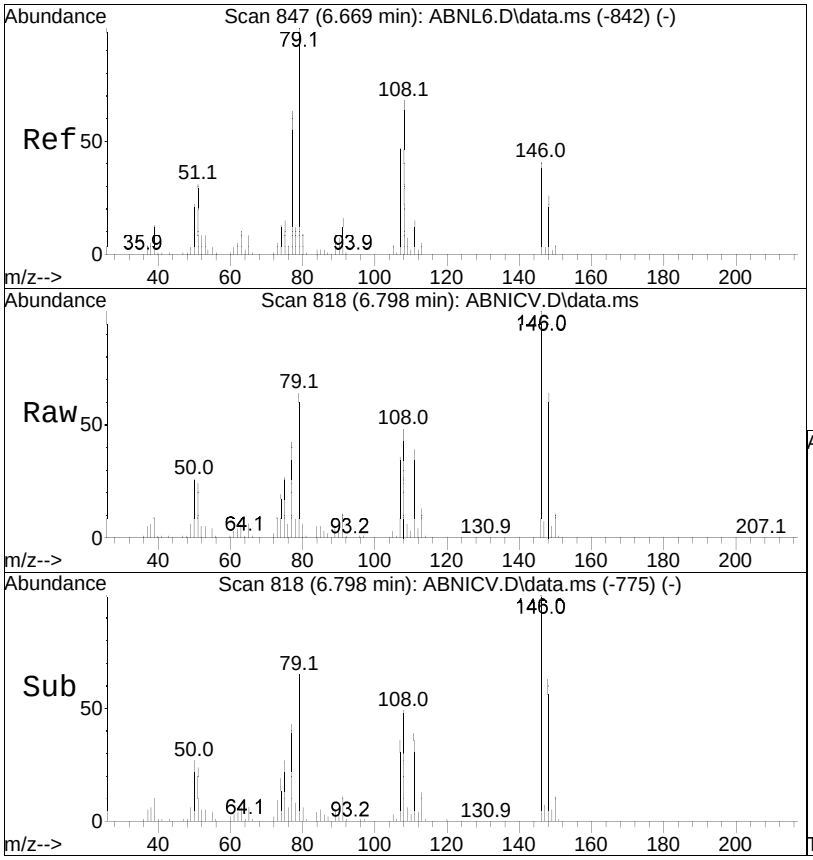


#12
1,2-Dichlorobenzene
Concen: 4.93 ug/ml
RT: 6.798 min Scan# 818
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:146 Resp: 137894

Ion	Ratio	Lower	Upper
146	100		
111	40.2	34.6	52.0
148	64.1	50.2	75.4

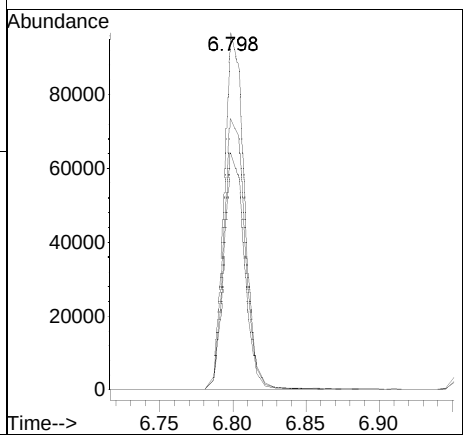


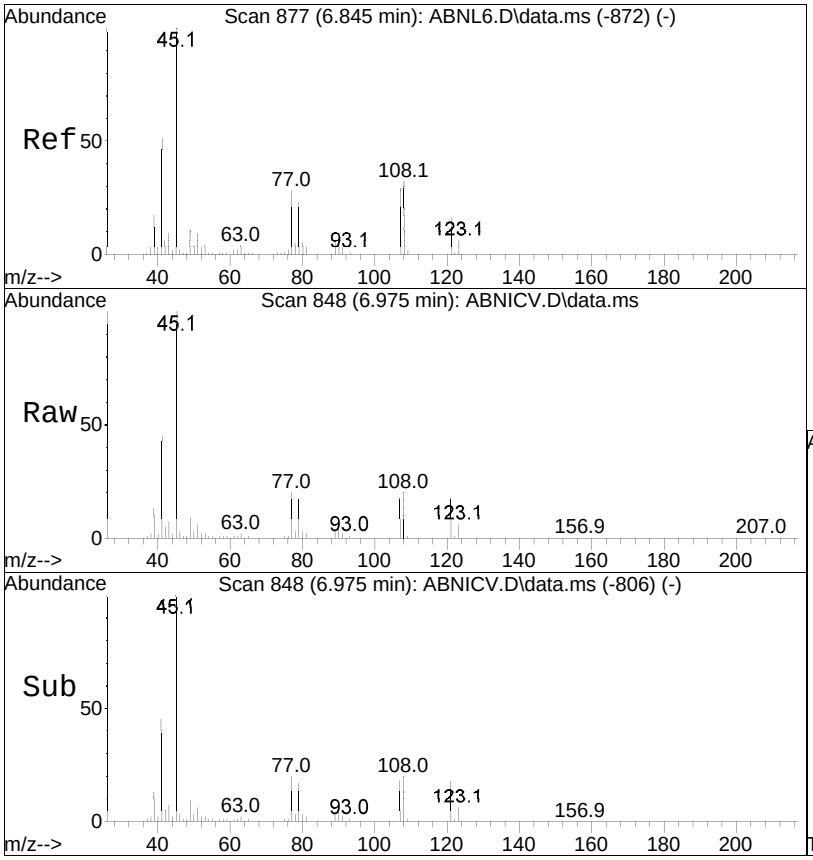


#13
Benzyl alcohol
Concen: 5.09 ug/ml
RT: 6.798 min Scan# 818
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 79 Resp: 92581

Ion	Ratio	Lower	Upper
79	100		
77	66.4	54.9	82.3
108	78.6	63.1	94.7

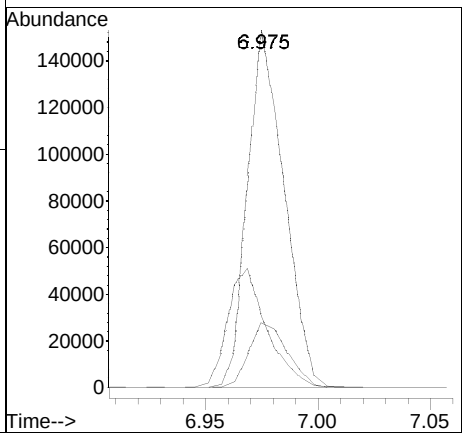


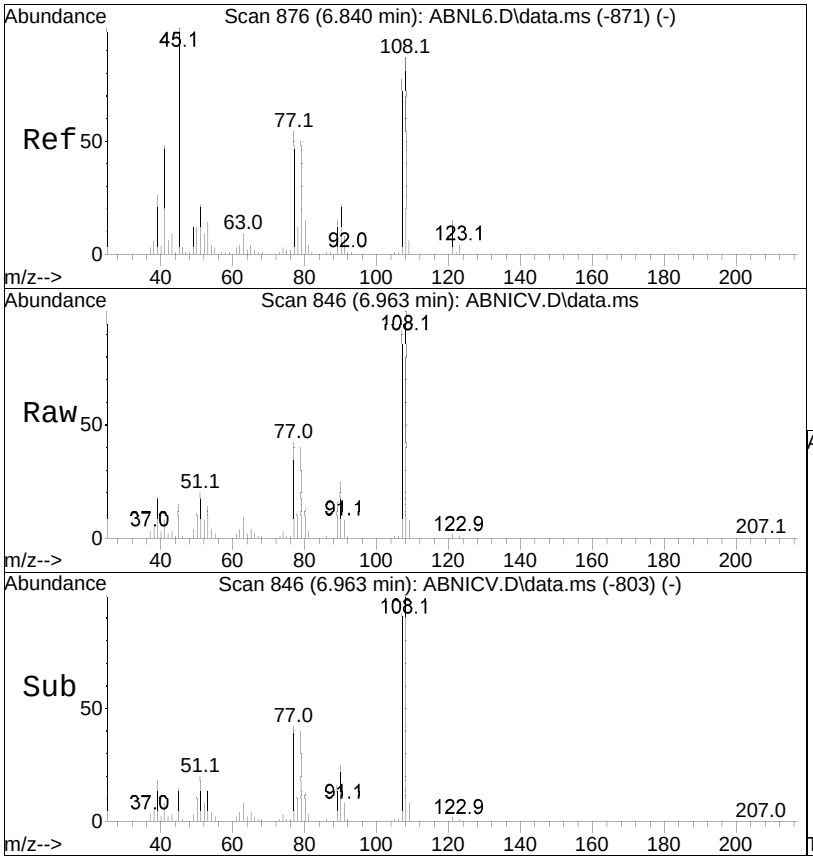


#14
Bis(2-chloroisopropyl)ether
Concen: 4.97 ug/ml
RT: 6.975 min Scan# 848
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 45 Resp: 171977

Ion	Ratio	Lower	Upper
45	100		
121	19.1	9.8	14.6#
77	36.1	6.1	9.1#

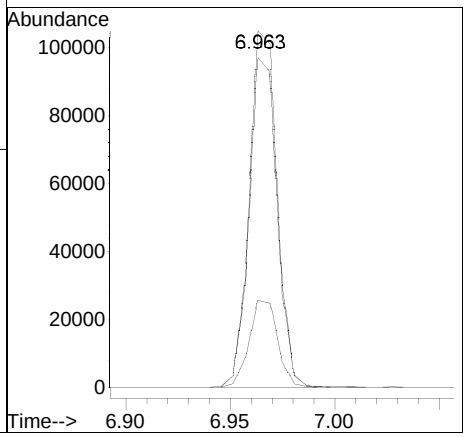


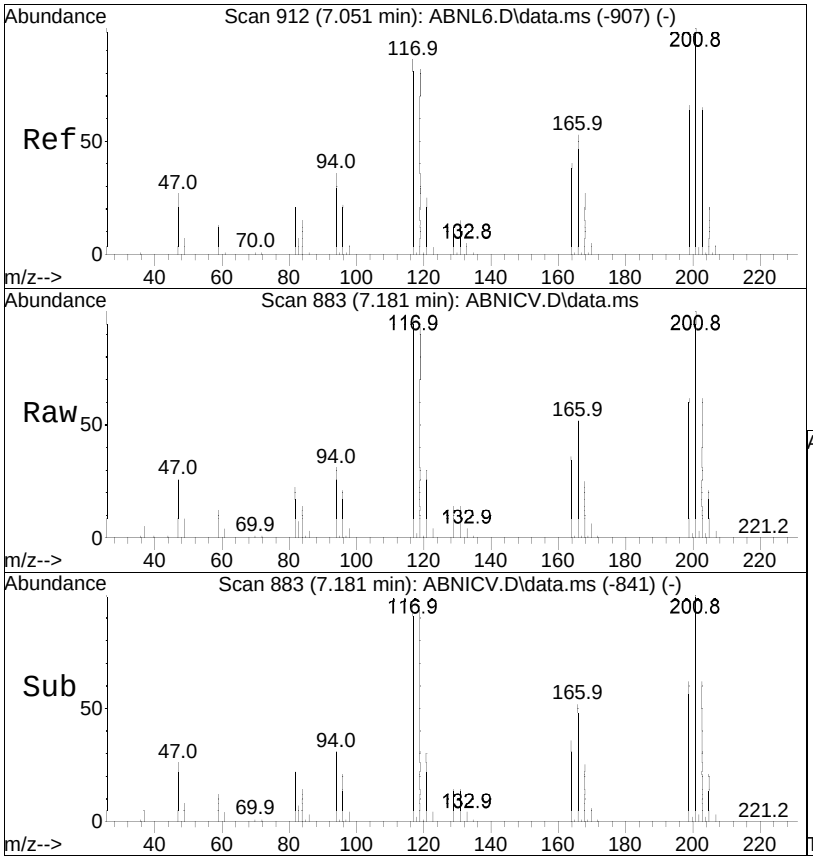


#15
2-Methylphenol
Concen: 5.06 ug/ml
RT: 6.963 min Scan# 846
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:108 Resp: 97643

Ion	Ratio	Lower	Upper
108	100		
107	92.3	70.7	106.1
90	25.1	18.7	28.1

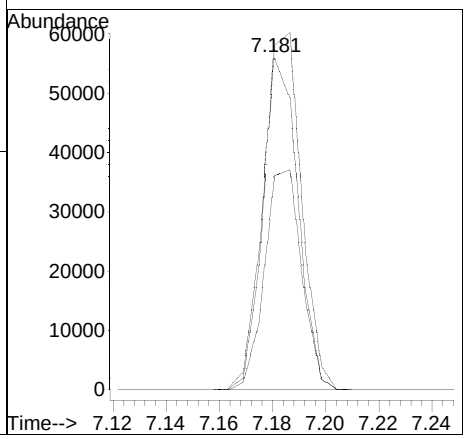


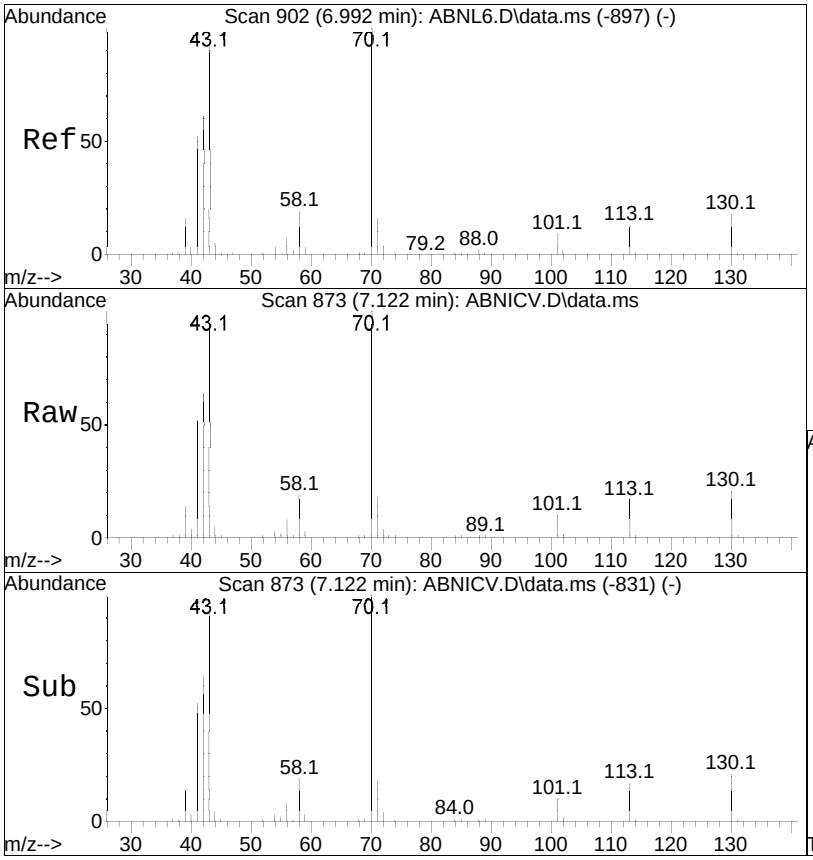


#16
Hexachloroethane
Concen: 5.00 ug/ml
RT: 7.181 min Scan# 883
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:117 Resp: 52744

Ion	Ratio	Lower	Upper
117	100		
201	111.9	58.6	87.8#
199	68.4	36.9	55.3#

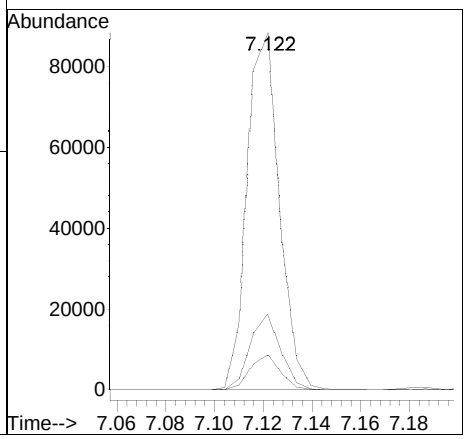


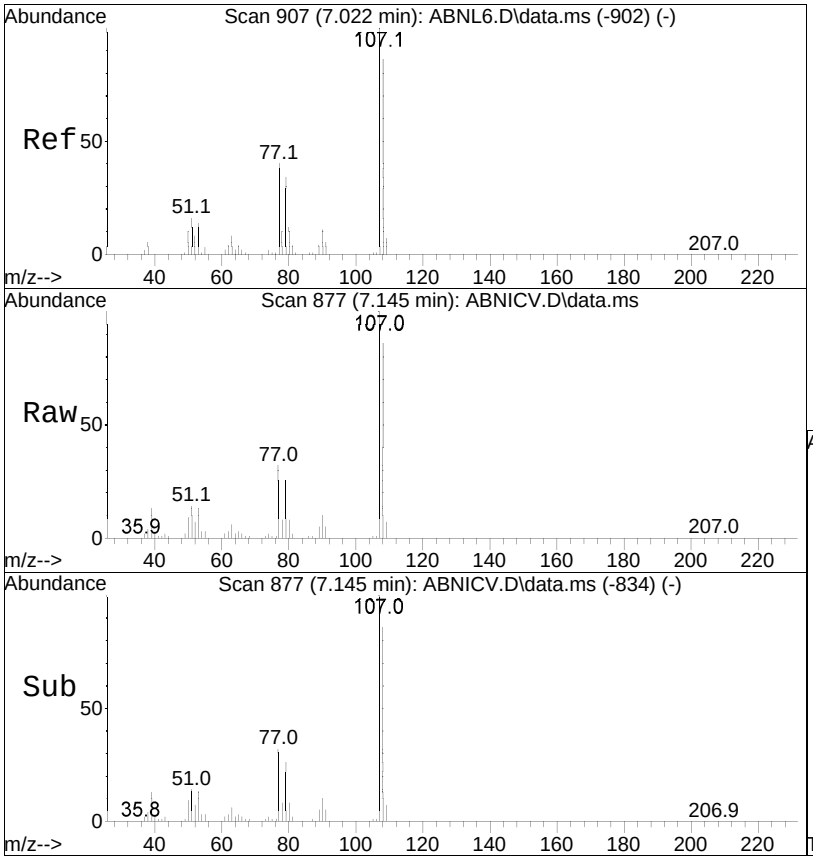


#17
n-Nitrosodi-n-propylamine
Concen: 5.03 ug/ml
RT: 7.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 70 Resp: 81185

Ion	Ratio	Lower	Upper
70	100		
130	20.1	18.2	27.4
101	9.2	7.8	11.8

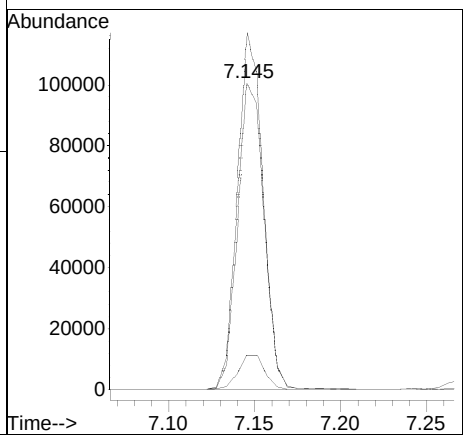


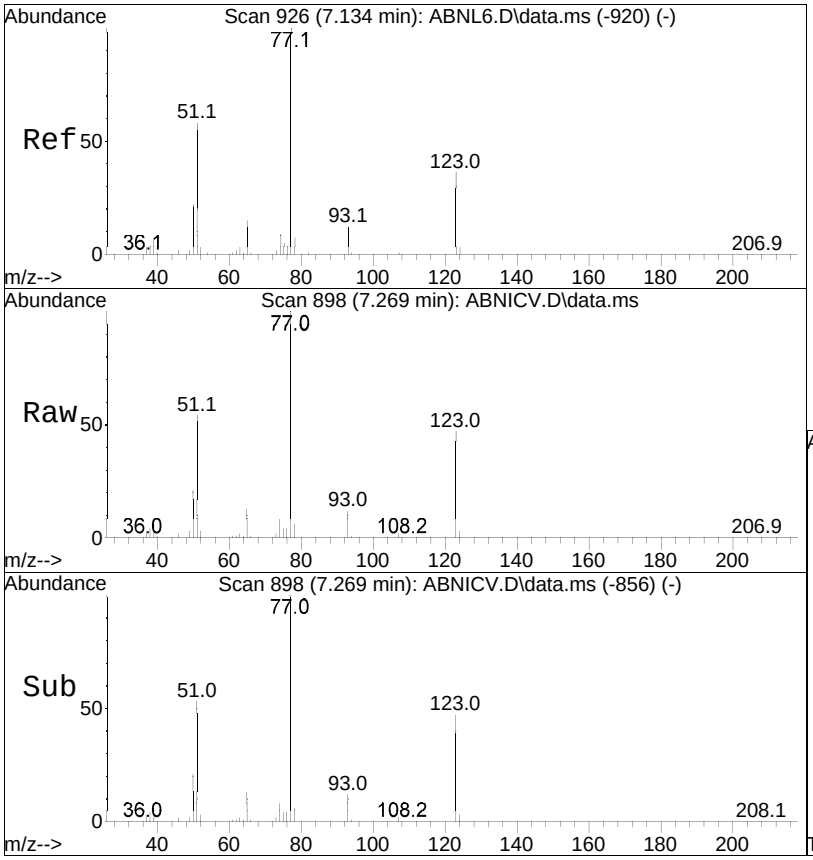


#18
3-Methylphenol/4-Methylphenol
Concen: 5.08 ug/ml
RT: 7.145 min Scan# 877
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:108 Resp: 106865

Ion	Ratio	Lower	Upper
108	100		
107	113.1	88.6	132.8
90	11.3	8.8	13.2

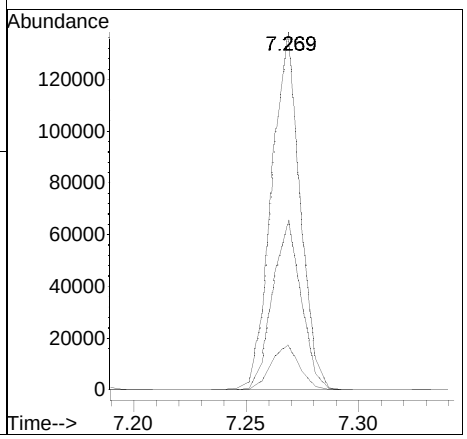


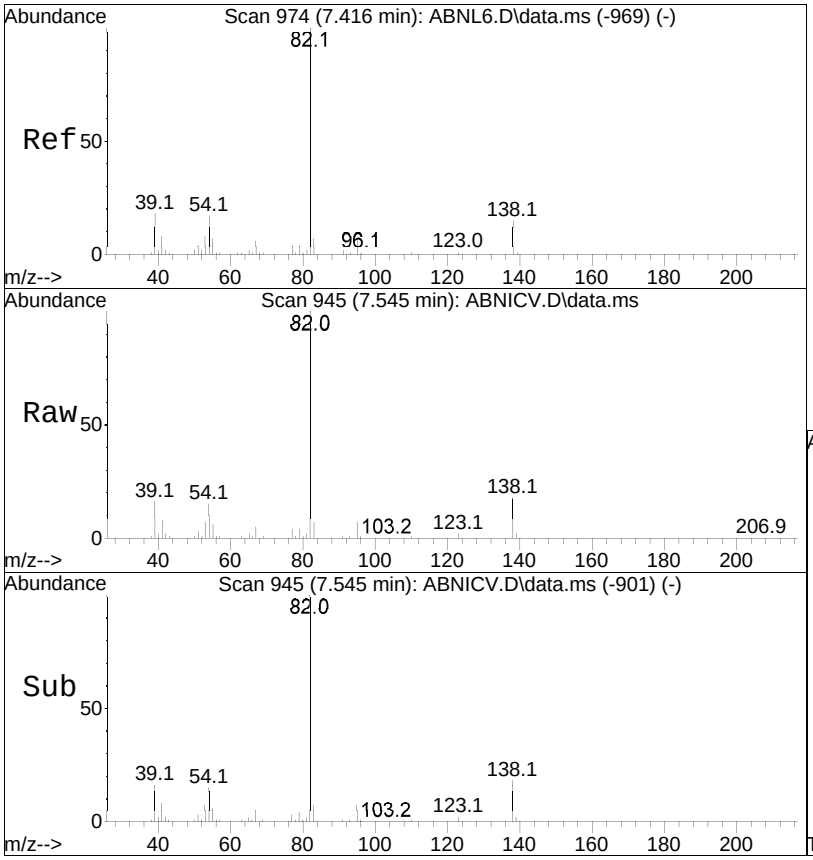


#20
Nitrobenzene
Concen: 5.07 ug/ml
RT: 7.269 min Scan# 898
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 77 Resp: 120866

Ion	Ratio	Lower	Upper
77	100		
123	47.6	36.3	54.5
65	12.7	11.6	17.4

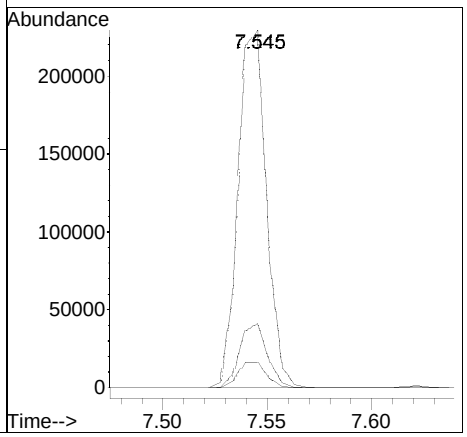


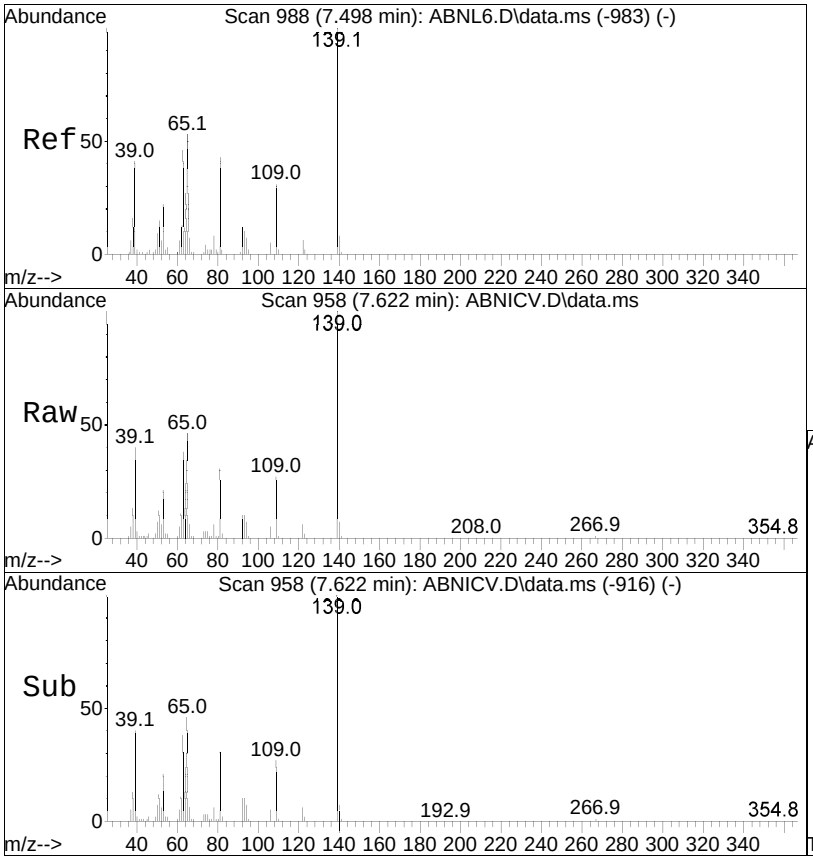


#21
Isophorone
Concen: 5.16 ug/ml
RT: 7.545 min Scan# 945
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 82 Resp: 214041

Ion	Ratio	Lower	Upper
82	100		
138	17.6	14.7	22.1
95	7.3	5.2	7.8

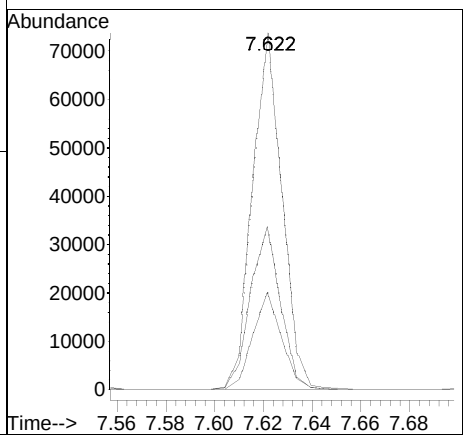


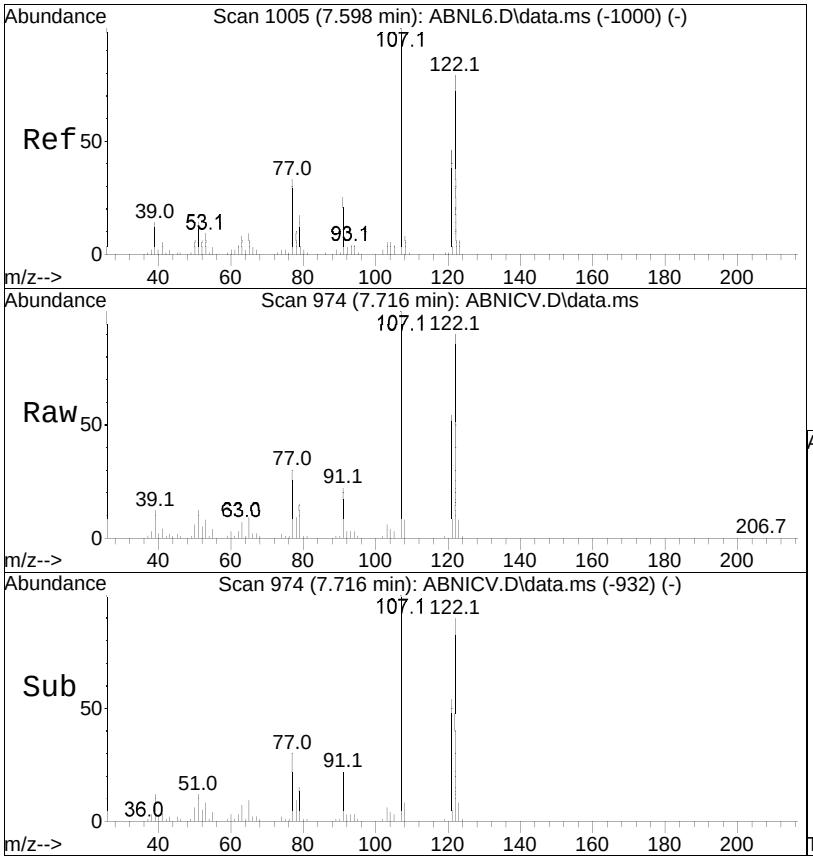


#22
2-Nitrophenol
Concen: 5.05 ug/ml
RT: 7.622 min Scan# 958
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:139 Resp: 61782

Ion	Ratio	Lower	Upper
139	100		
109	26.8	19.4	29.0
65	46.7	46.1	69.1

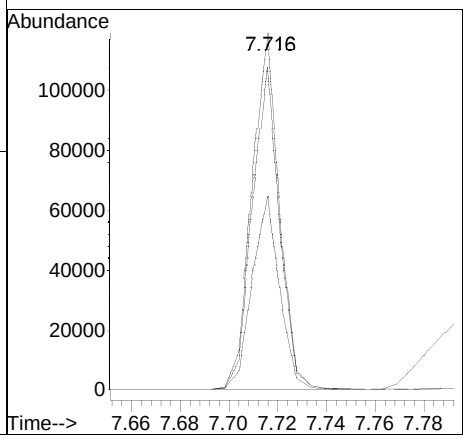


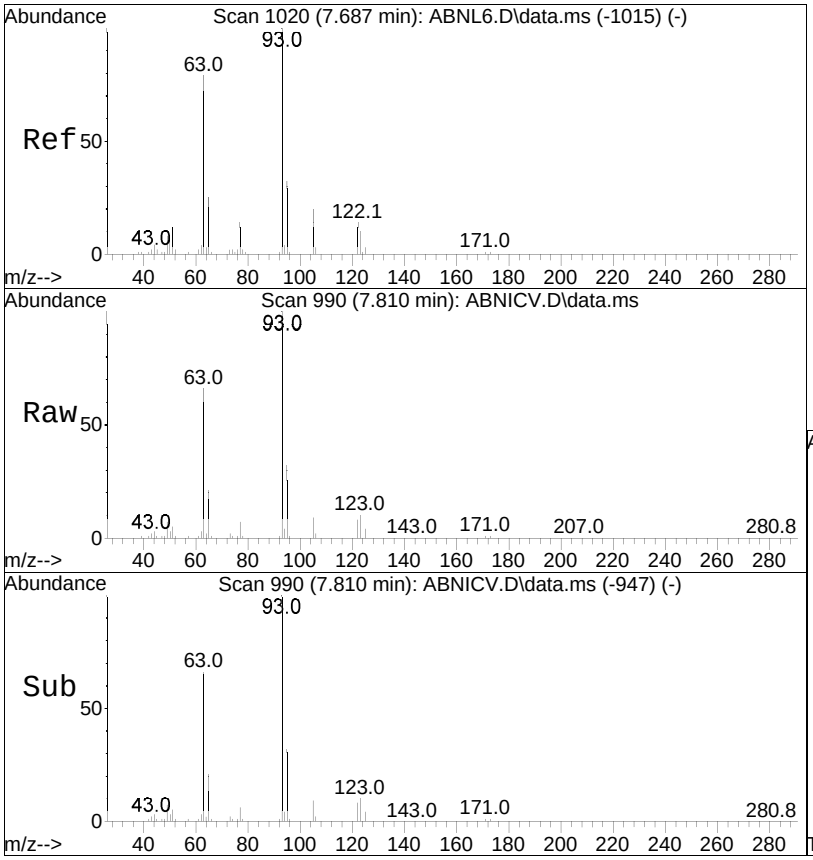


#23
2,4-Dimethylphenol
Concen: 4.83 ug/ml
RT: 7.716 min Scan# 974
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:107 Resp: 92715

Ion	Ratio	Lower	Upper
107	100		
121	54.2	40.0	60.0
122	89.8	70.2	105.4

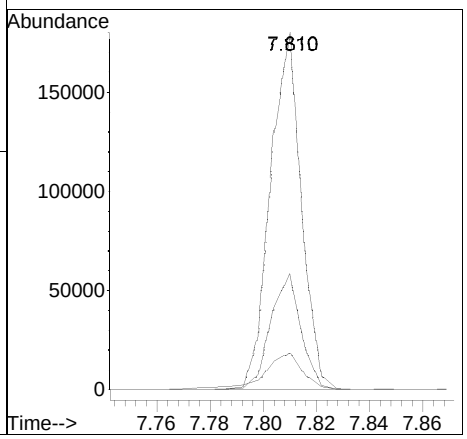


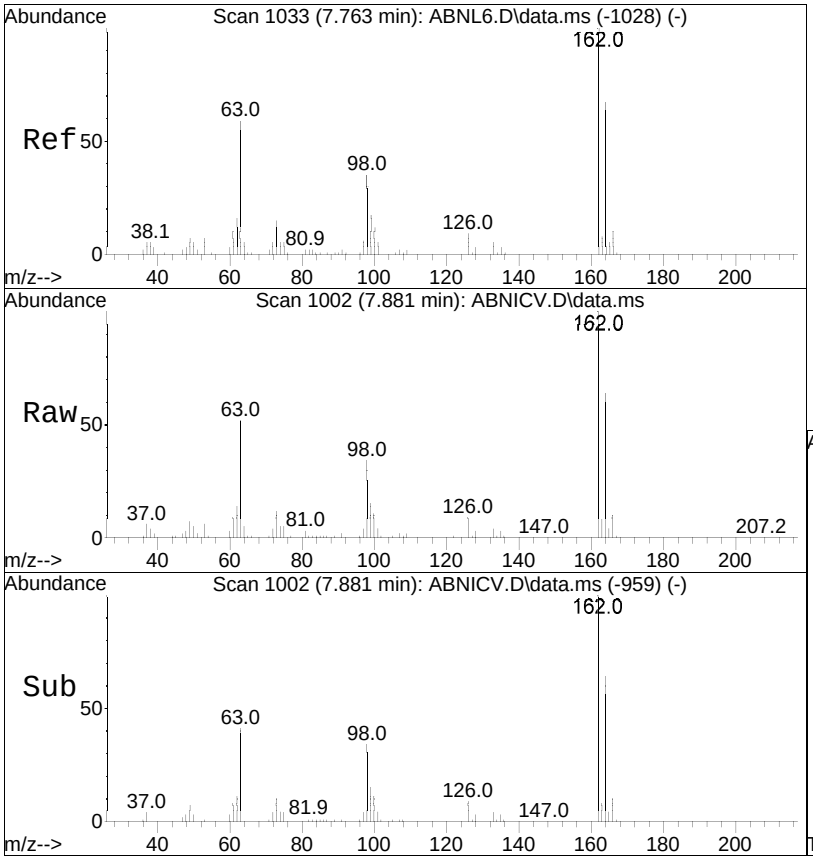


#24
Bis(2-chloroethoxy)methane
Concen: 5.18 ug/ml
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 93 Resp: 143604

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	12.7	10.1	15.1

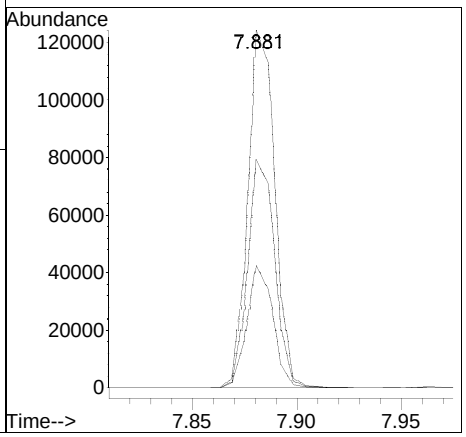


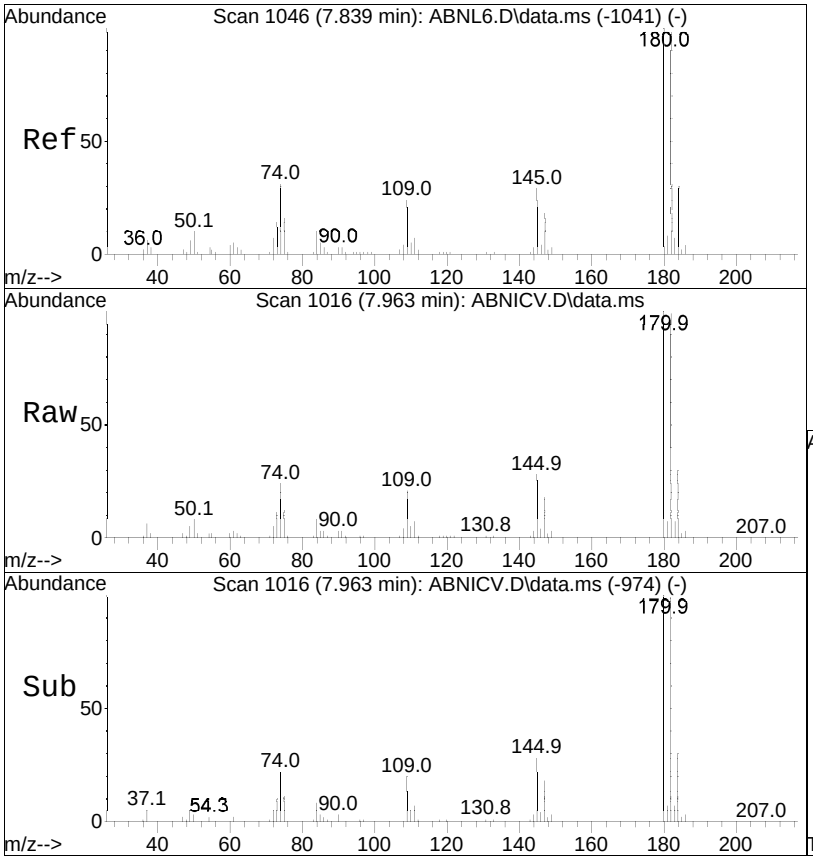


#25
2,4-Dichlorophenol
Concen: 5.15 ug/ml
RT: 7.881 min Scan# 1002
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:162 Resp: 110484

Ion	Ratio	Lower	Upper
162	100		
164	64.0	51.0	76.4
98	33.1	32.2	48.2

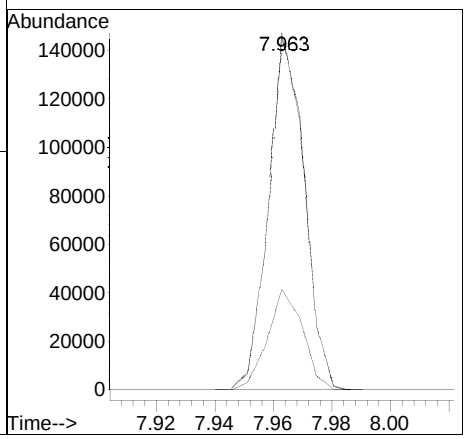


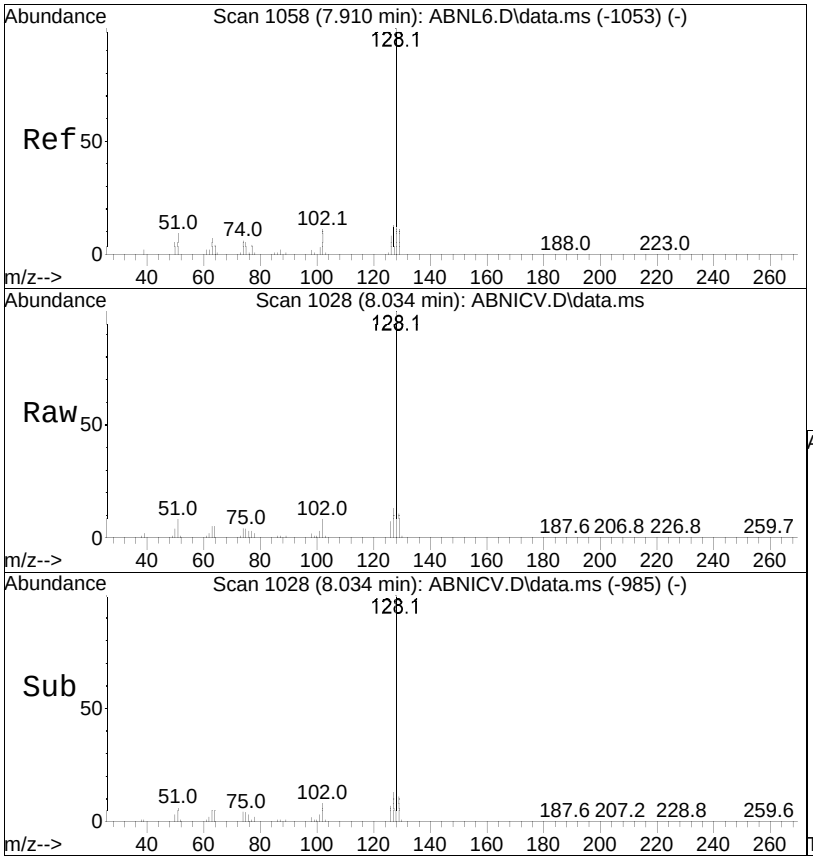


#26
1,2,4-Trichlorobenzene
Concen: 4.97 ug/ml
RT: 7.963 min Scan# 1016
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:180 Resp: 123600

Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.0	114.0
145	28.1	25.7	38.5

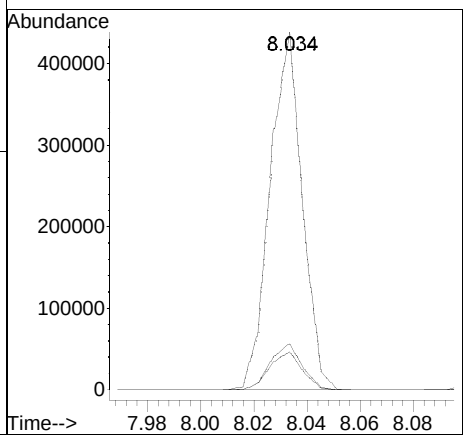


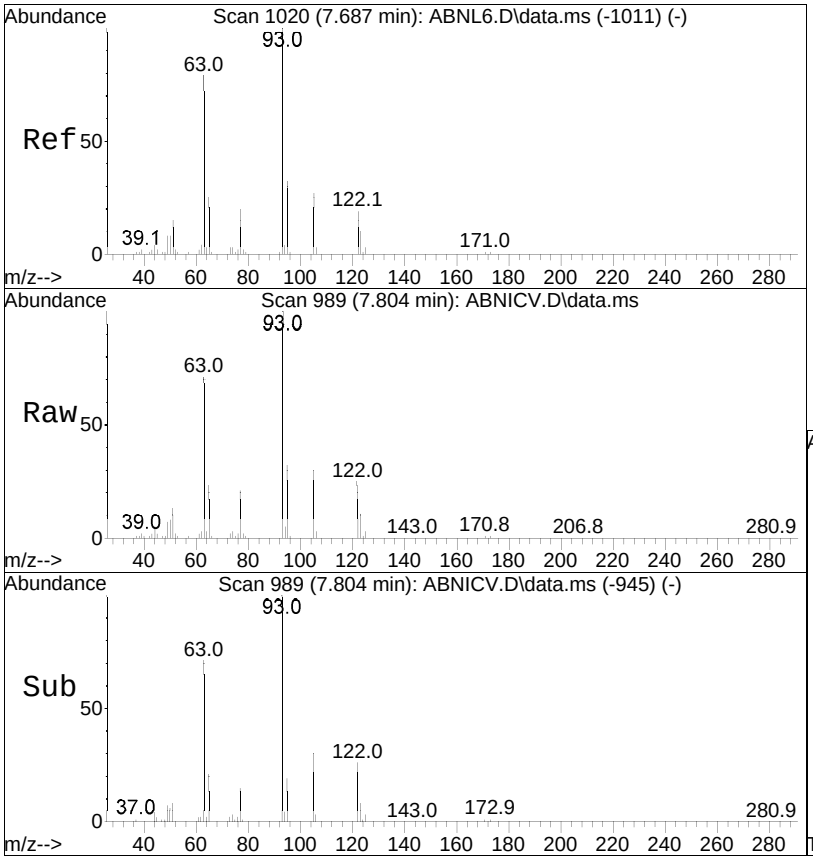


#36
Naphthalene
Concen: 5.00 ug/ml
RT: 8.034 min Scan# 1028
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:128 Resp: 363286

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.3	15.5

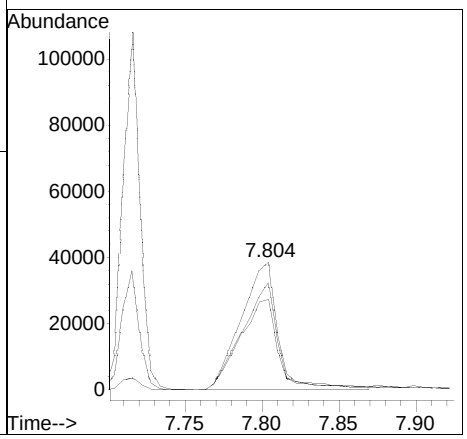


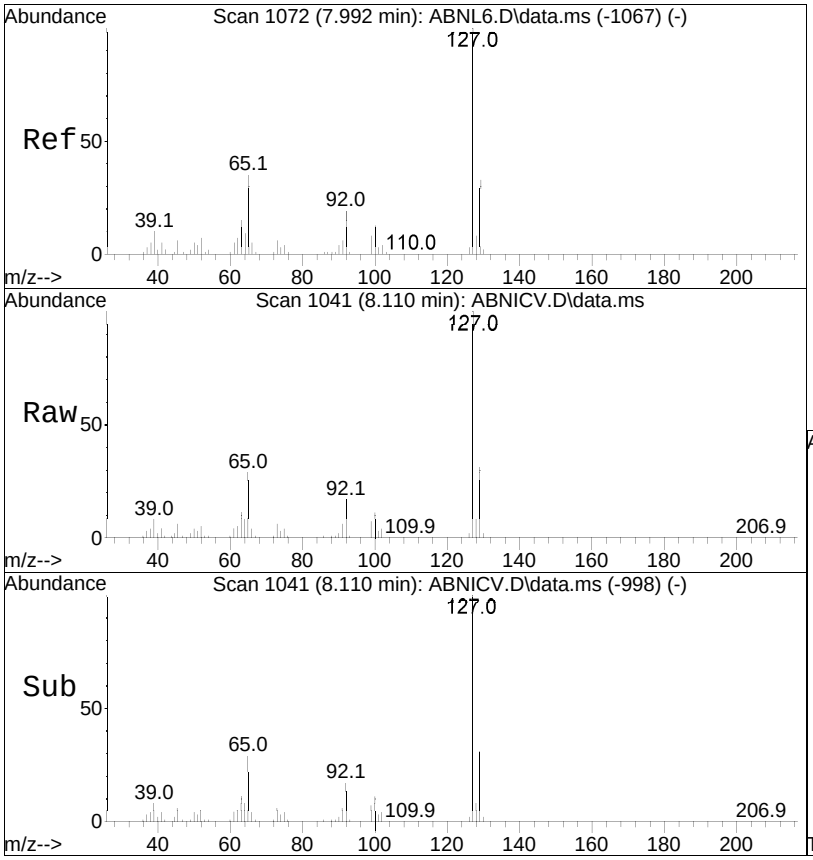


#37
Benzoic Acid
Concen: 4.75 ug/ml
RT: 7.804 min Scan# 989
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:105 Resp: 65401

Ion	Ratio	Lower	Upper
105	100		
122	82.6	59.9	89.9
77	72.9	60.1	90.1

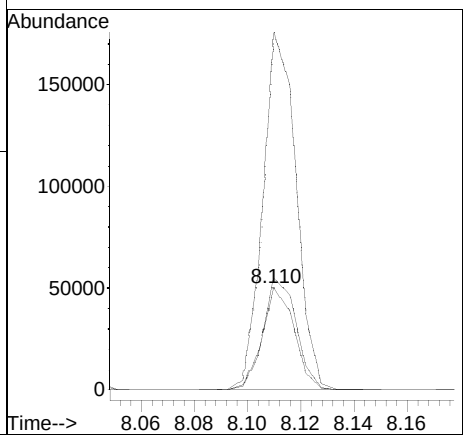


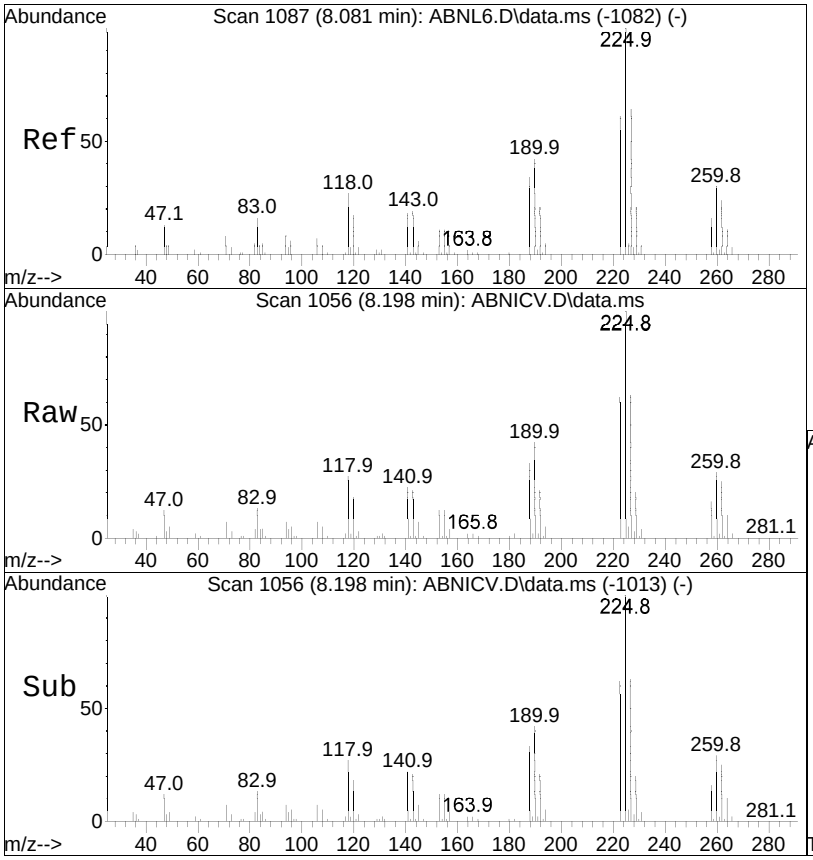


#38
4-Chloroaniline
Concen: 5.18 ug/ml
RT: 8.110 min Scan# 1041
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 65 Resp: 42184

Ion	Ratio	Lower	Upper
65	100		
127	357.3	237.6	356.4#
129	112.2	76.3	114.5

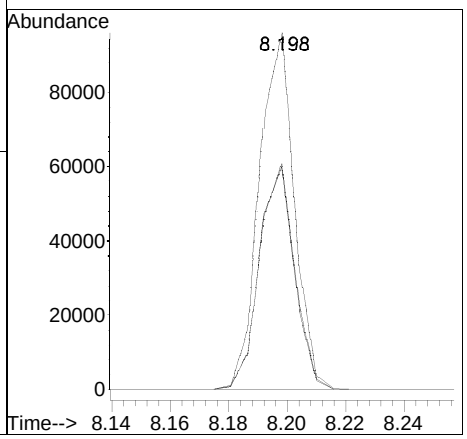


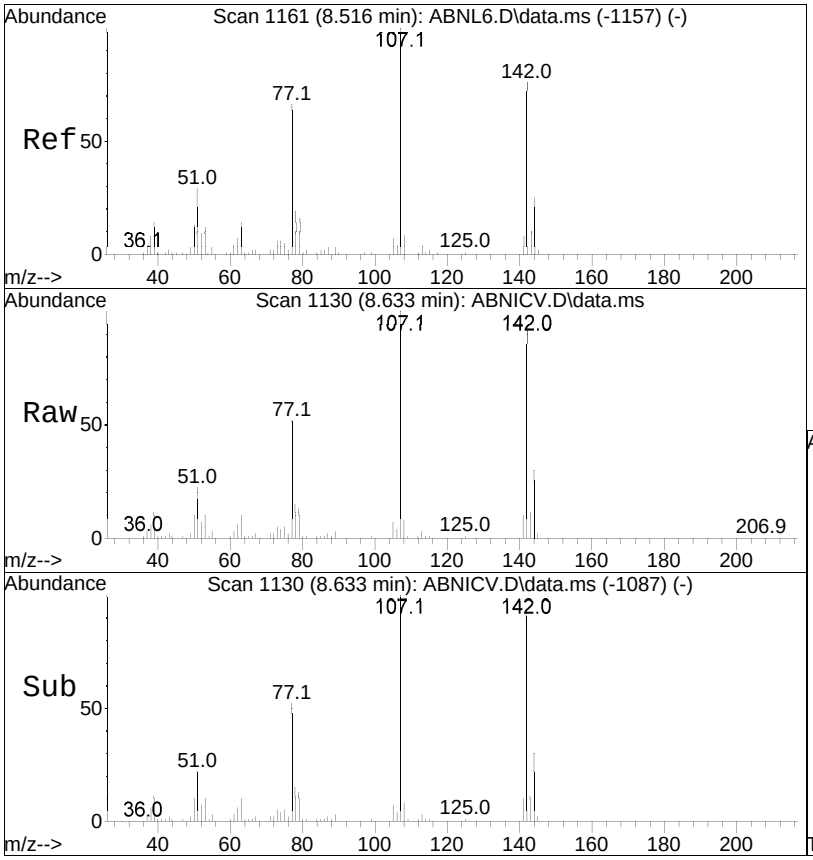


#39
Hexachlorobutadiene
Concen: 5.15 ug/ml
RT: 8.198 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:225 Resp: 79167

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.9	52.2	78.2

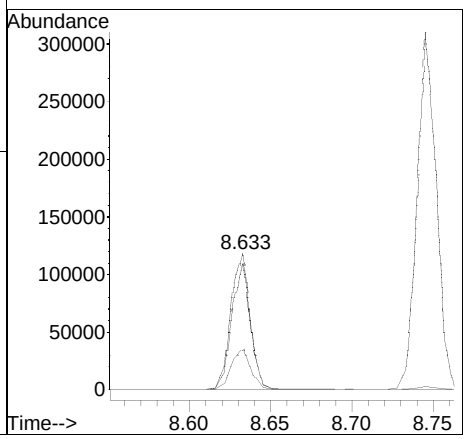


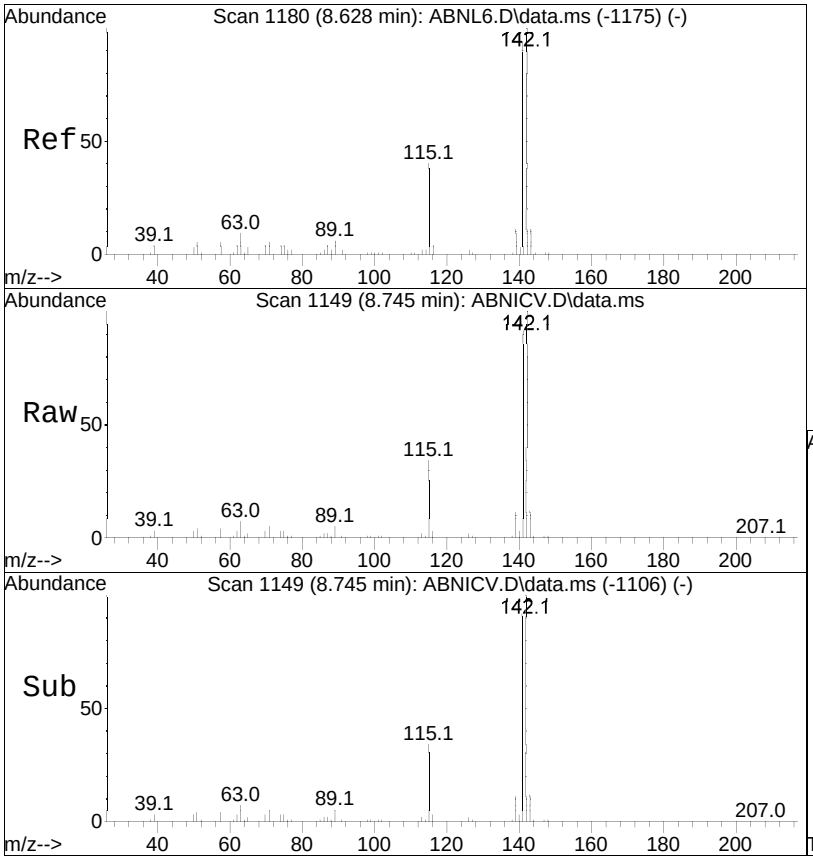


#40
p-Chloro-m-cresol
Concen: 5.12 ug/ml
RT: 8.633 min Scan# 1130
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:107 Resp: 97611

Ion	Ratio	Lower	Upper
107	100		
144	29.8	20.9	31.3
142	88.8	66.1	99.1

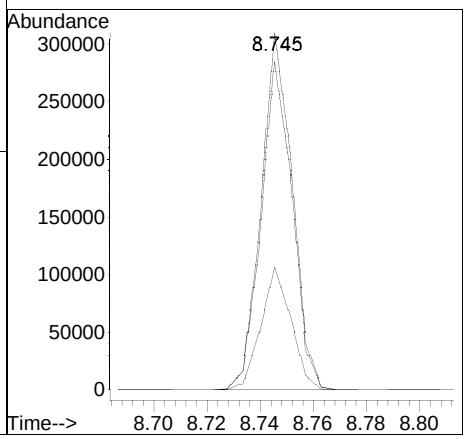


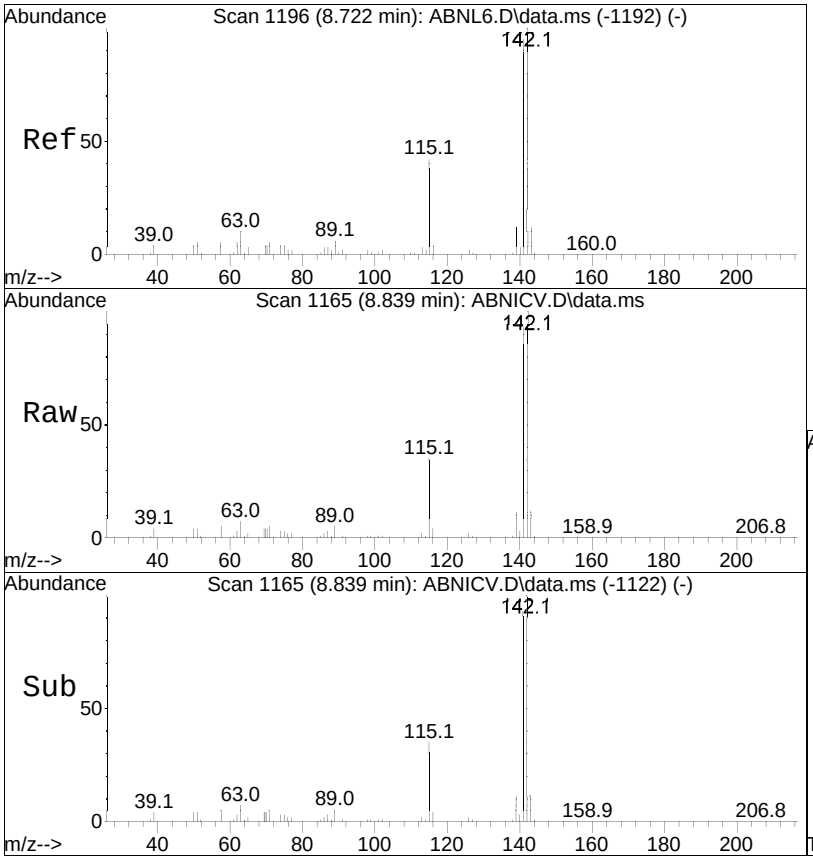


#41
2-Methylnaphthalene
Concen: 5.19 ug/ml
RT: 8.745 min Scan# 1149
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:142 Resp: 251305

Ion	Ratio	Lower	Upper
142	100		
141	91.8	69.6	104.4
115	33.3	26.6	40.0

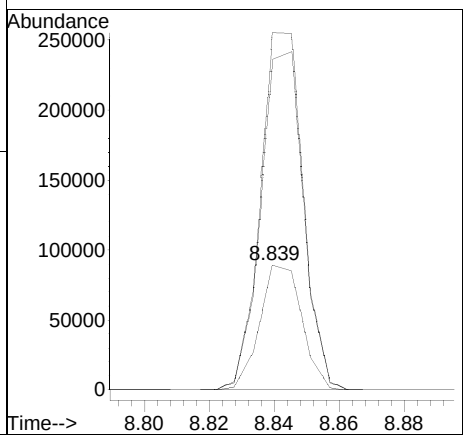


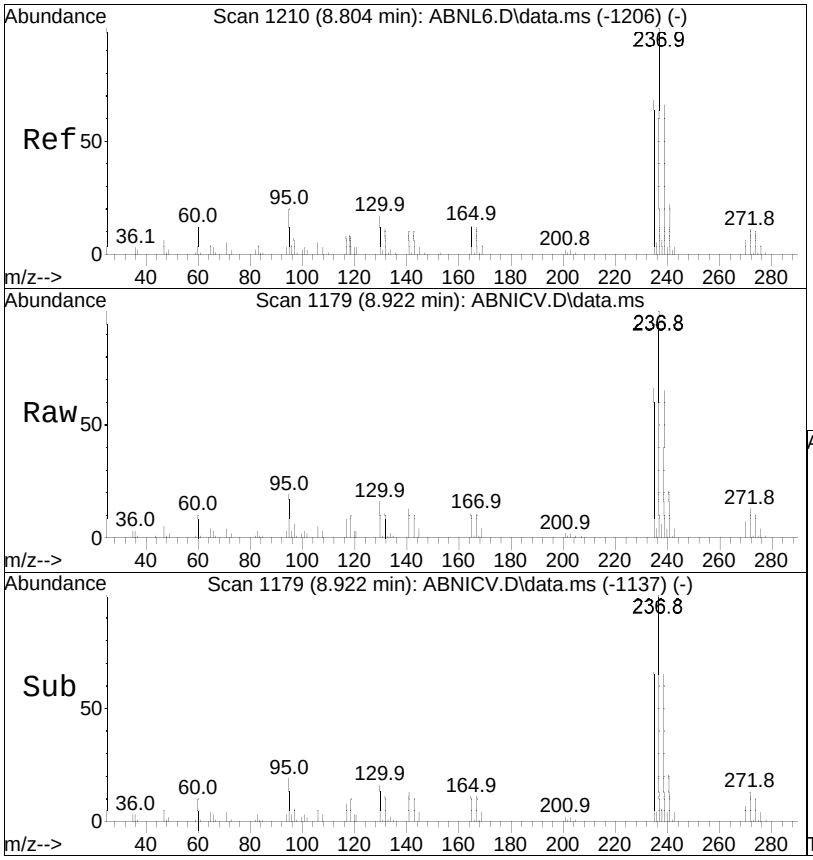


#42
1-Methylnaphthalene
Concen: 5.14 ug/ml
RT: 8.839 min Scan# 1165
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:115 Resp: 80597

Ion	Ratio	Lower	Upper
115	100		
141	272.5	207.8	311.6
142	289.7	226.8	340.2

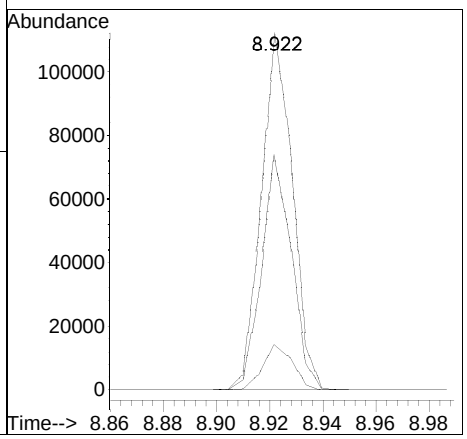


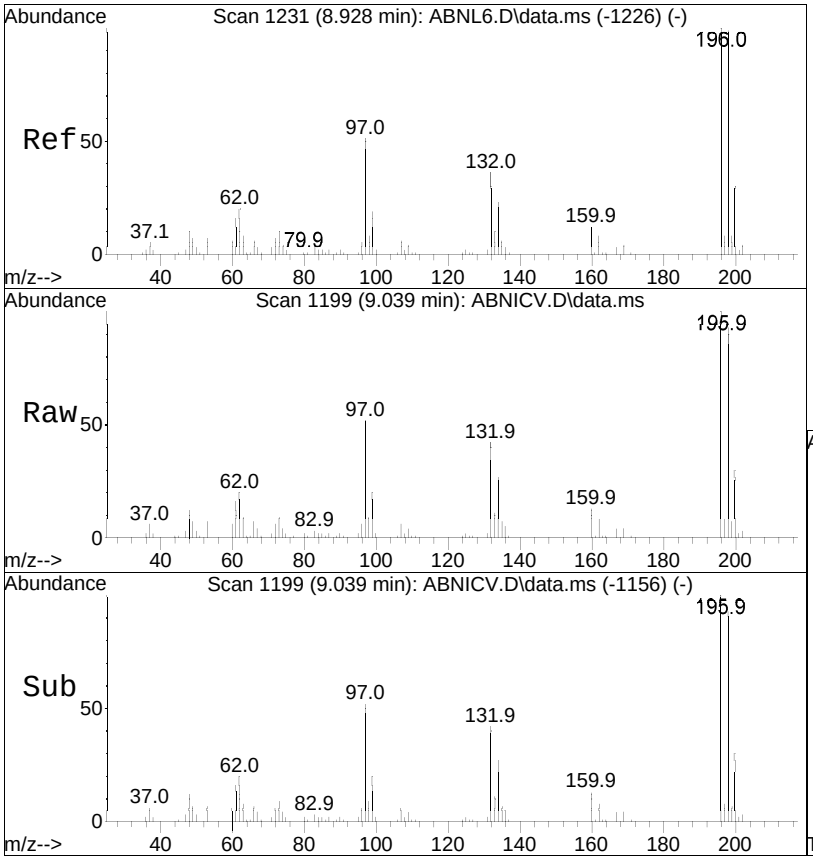


#43
Hexachlorocyclopentadiene
Concen: 5.39 ug/ml
RT: 8.922 min Scan# 1179
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:237 Resp: 90794

Ion	Ratio	Lower	Upper
237	100		
235	63.6	49.7	74.5
272	12.3	9.8	14.6

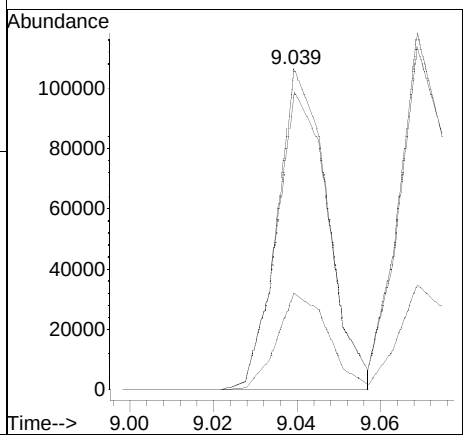


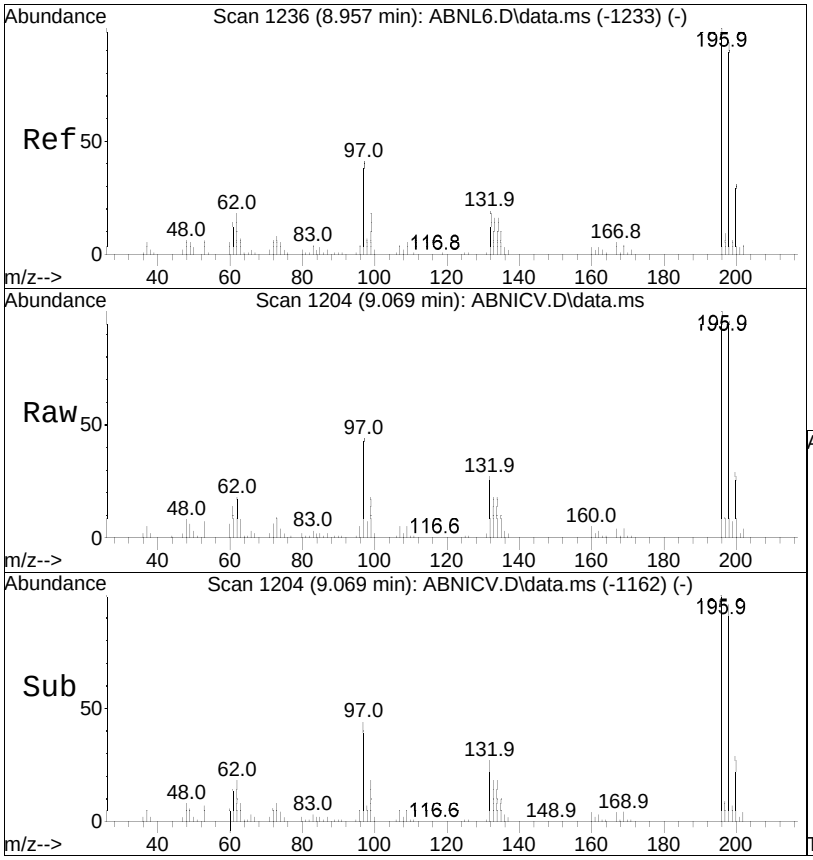


#44
2,4,6-Trichlorophenol
Concen: 5.05 ug/ml
RT: 9.039 min Scan# 1199
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:196 Resp: 89438

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.5	116.3
200	30.8	23.8	35.6

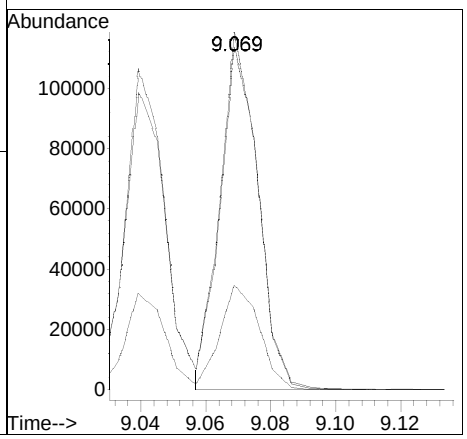


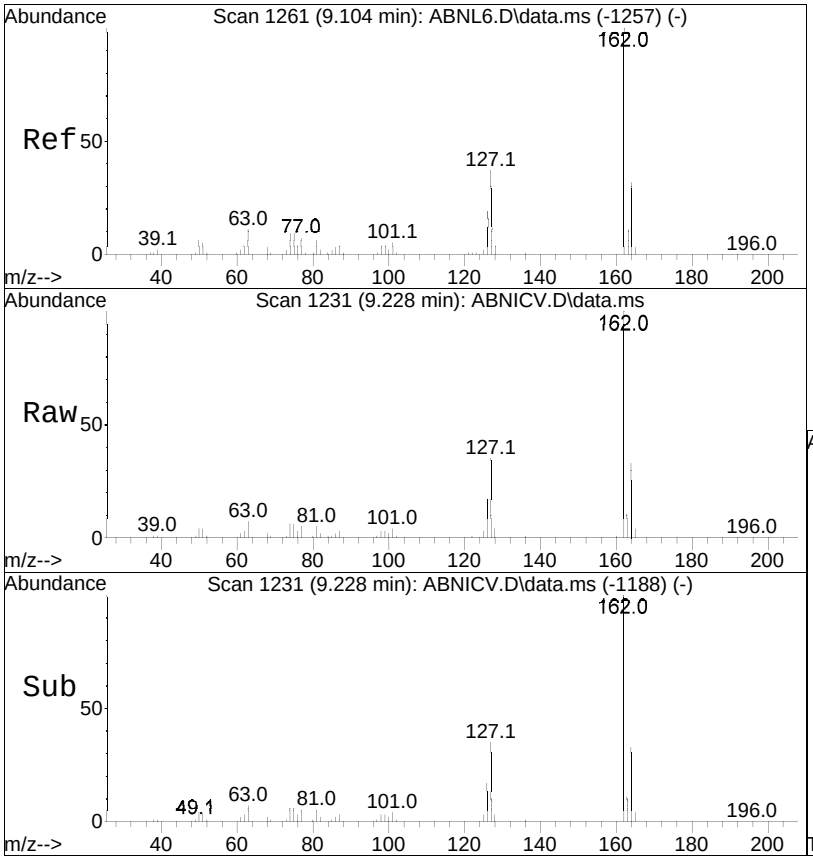


#45
2,4,5-Trichlorophenol
Concen: 5.15 ug/ml
RT: 9.069 min Scan# 1204
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:196 Resp: 94454

Ion	Ratio	Lower	Upper
196	100		
200	31.3	25.4	38.0
198	99.0	78.0	117.0

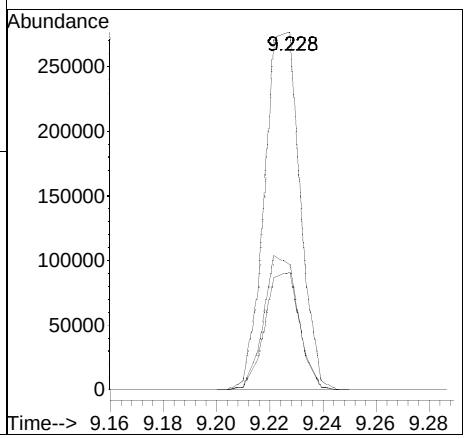


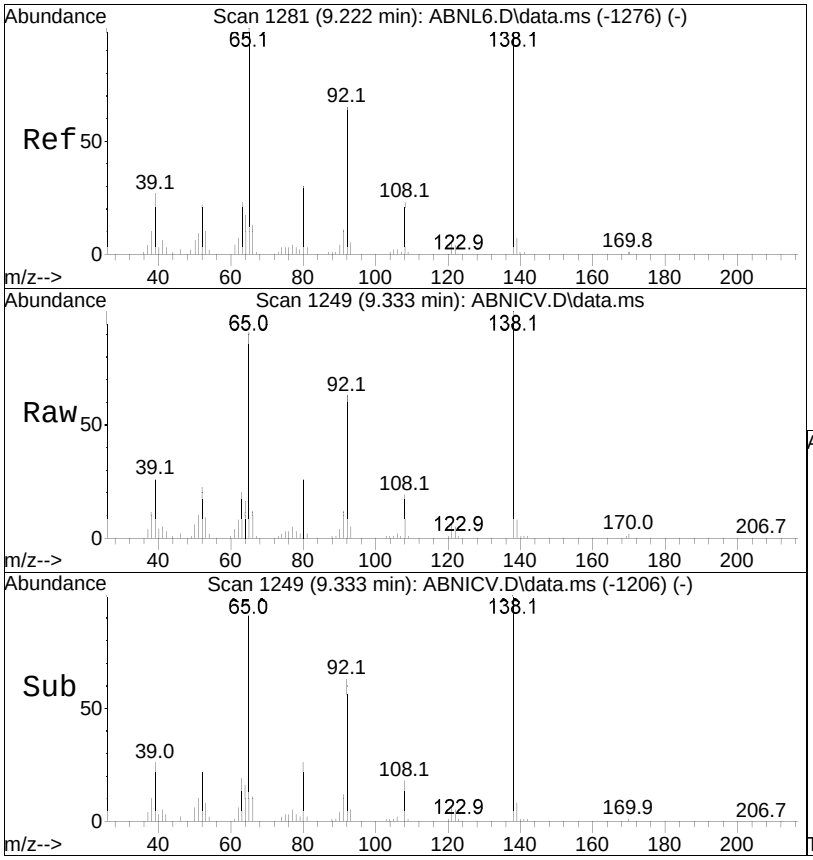


#47
2-Chloronaphthalene
Concen: 5.05 ug/ml
RT: 9.228 min Scan# 1231
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:162 Resp: 254917

Ion	Ratio	Lower	Upper
162	100		
127	36.2	32.2	48.4
164	32.3	25.7	38.5

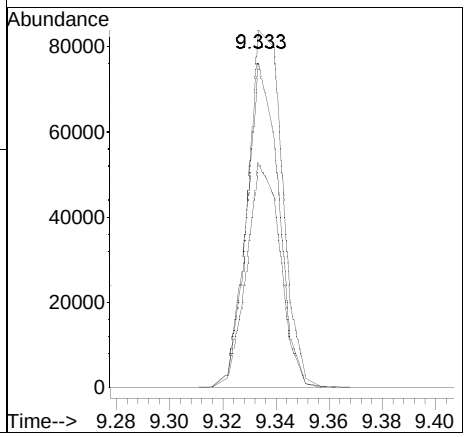


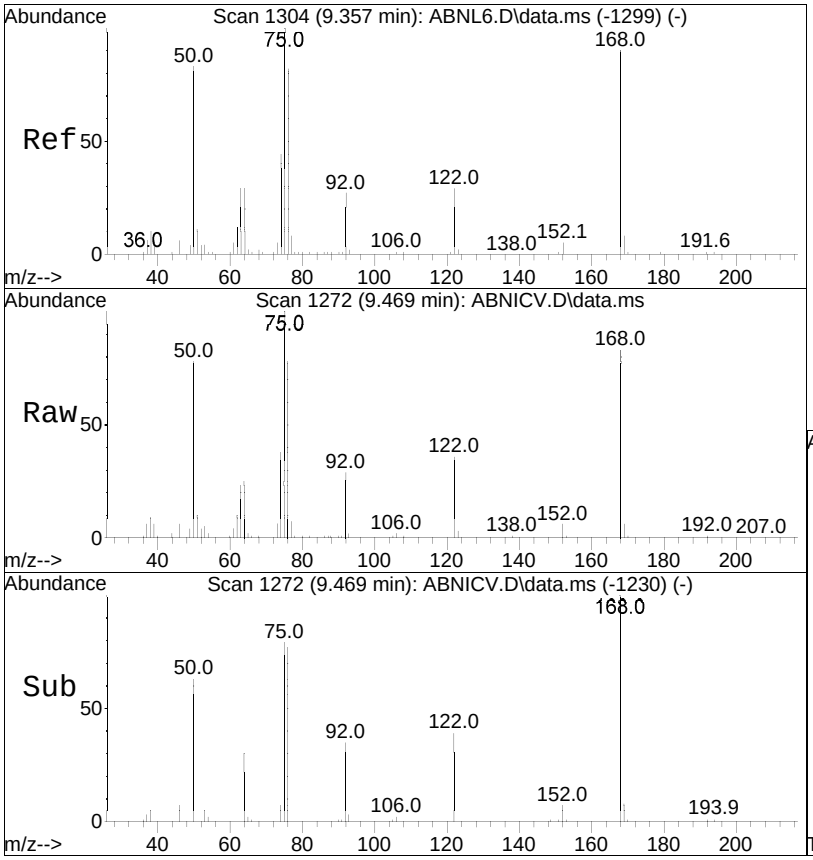


#48
2-Nitroaniline
Concen: 5.27 ug/ml
RT: 9.333 min Scan# 1249
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:138 Resp: 75716

Ion	Ratio	Lower	Upper
138	100		
92	60.7	53.5	80.3
65	83.3	86.3	129.5#

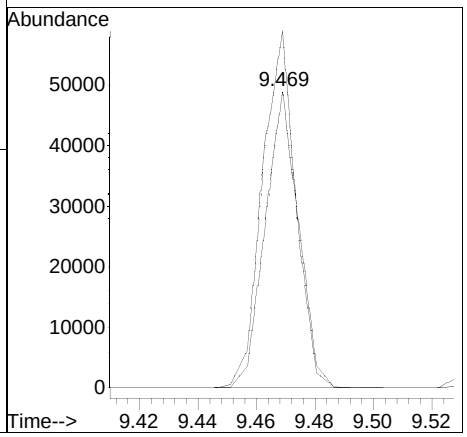


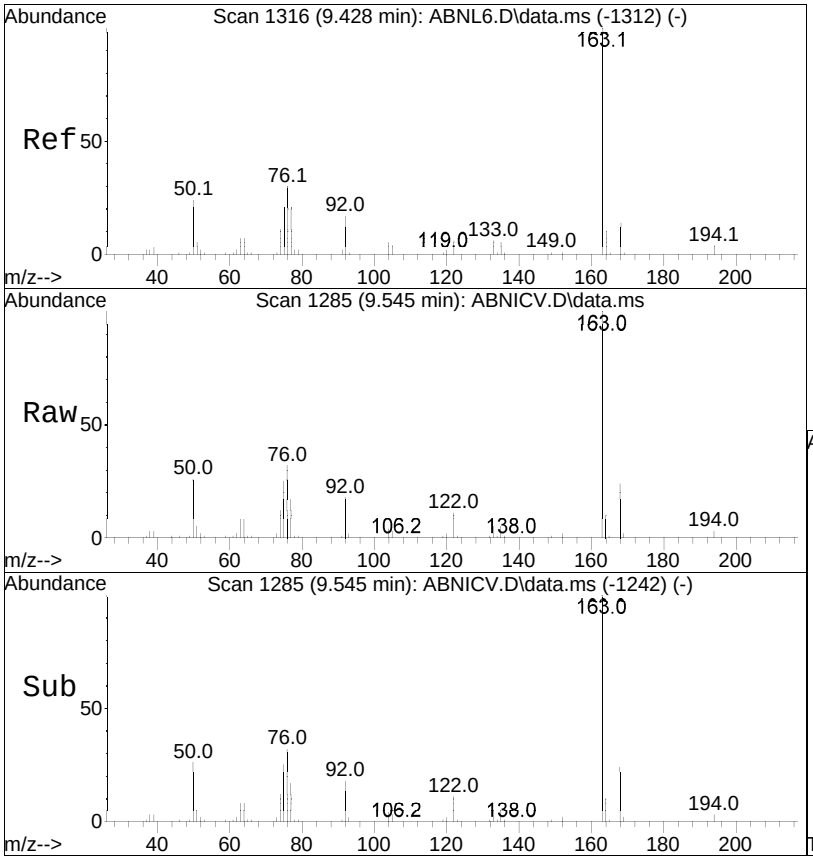


#49
1,4-Dinitrobenzene
Concen: 5.26 ug/ml
RT: 9.469 min Scan# 1272
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 38619

Ion	Ratio	Lower	Upper
168	100		
75	120.8	121.8	182.8#

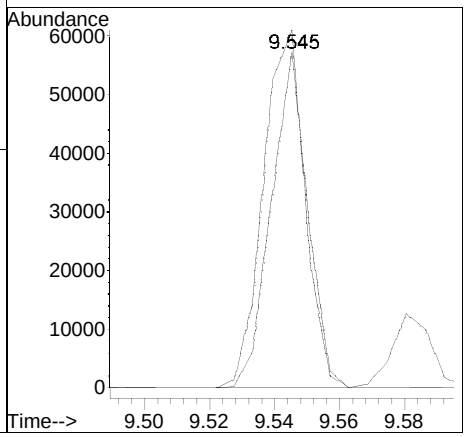


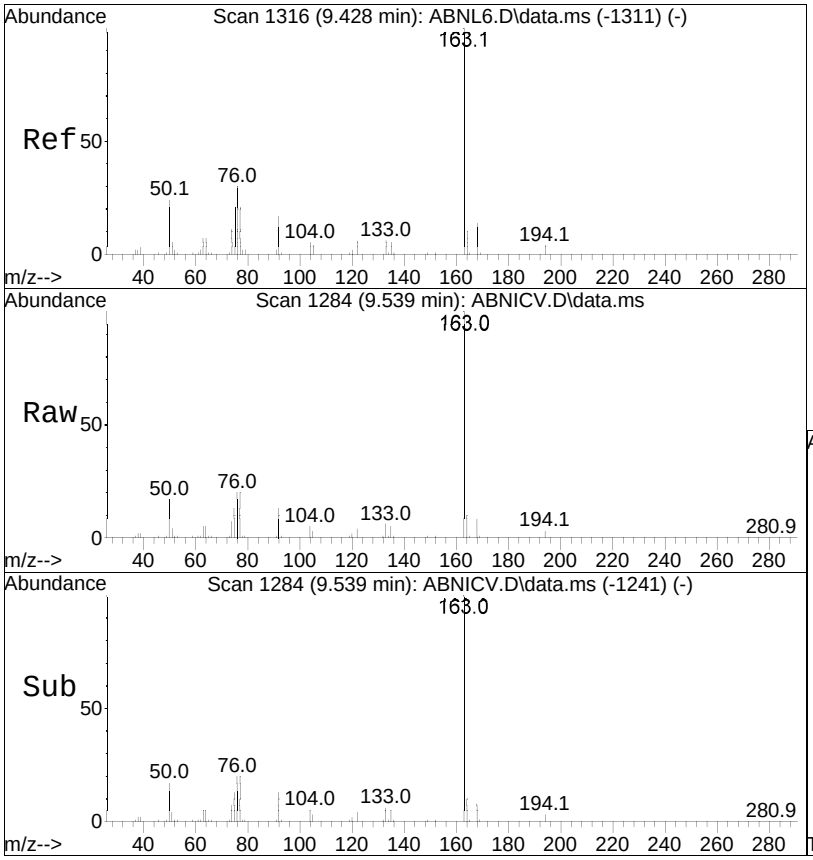


#50
1,3-Dinitrobenzene
Concen: 5.50 ug/ml
RT: 9.545 min Scan# 1285
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 44206

Ion	Ratio	Lower	Upper
168	100		
75	121.7	22.7	34.1#

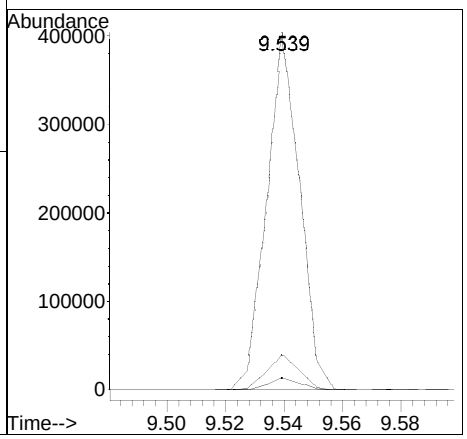


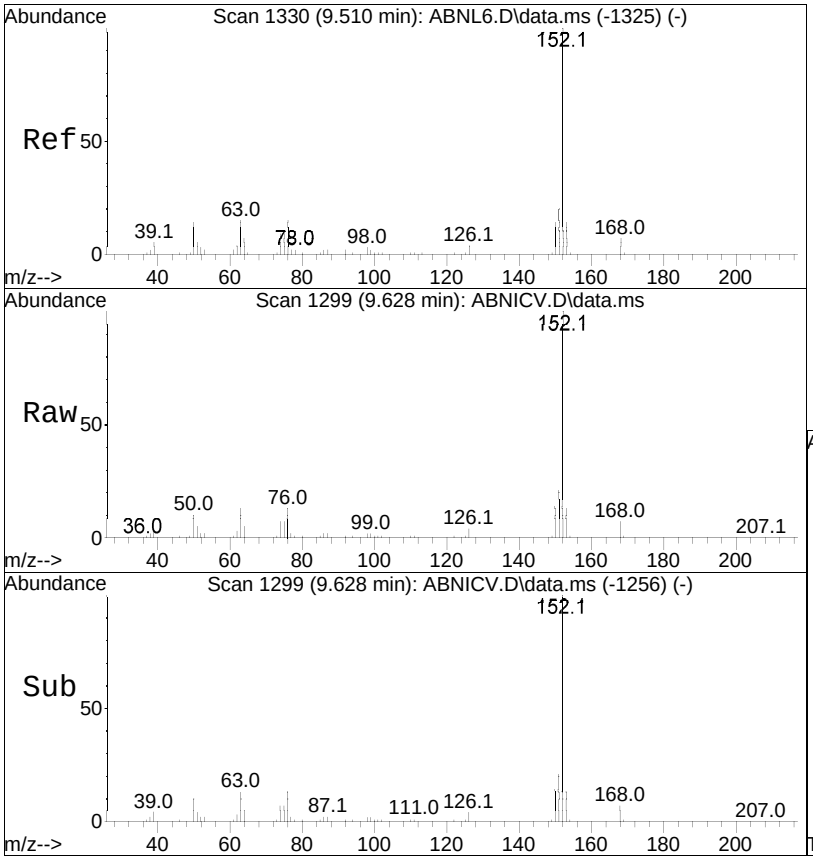


#51
Dimethyl phthalate
Concen: 5.29 ug/ml
RT: 9.539 min Scan# 1284
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:163 Resp: 311435

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	9.8	7.9	11.9

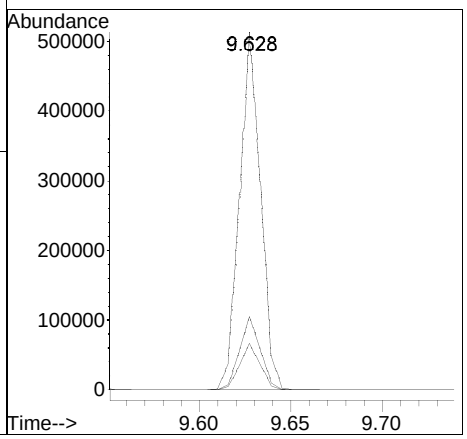


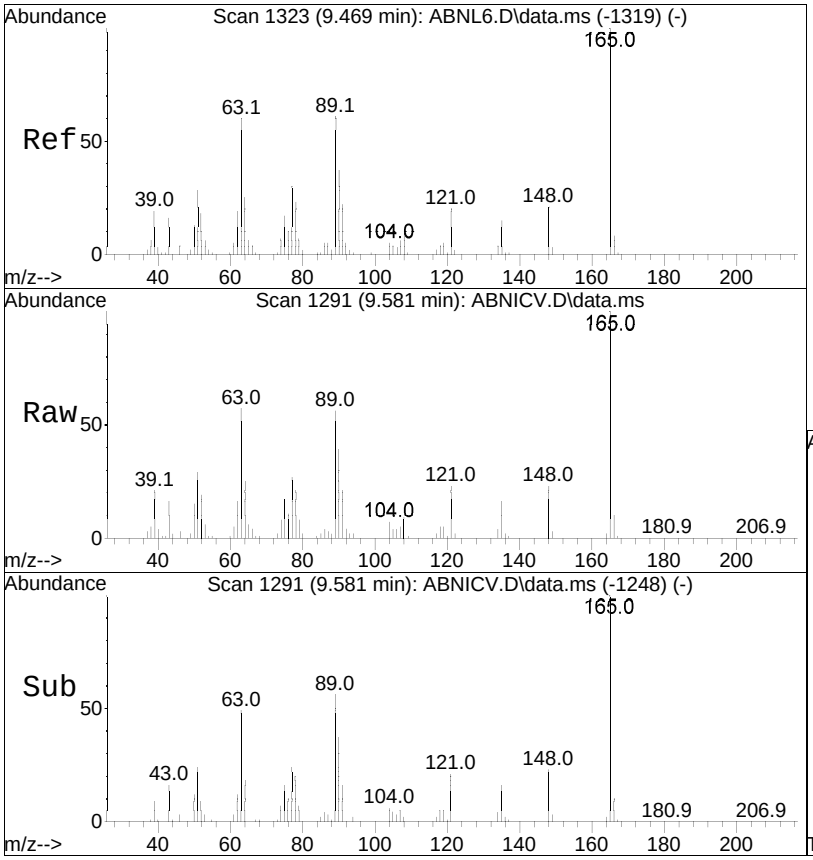


#52
Acenaphthylene
Concen: 5.36 ug/ml
RT: 9.628 min Scan# 1299
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:152 Resp: 403177

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.6
153	12.9	10.5	15.7

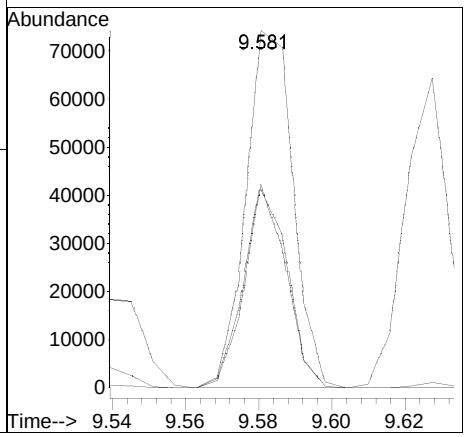


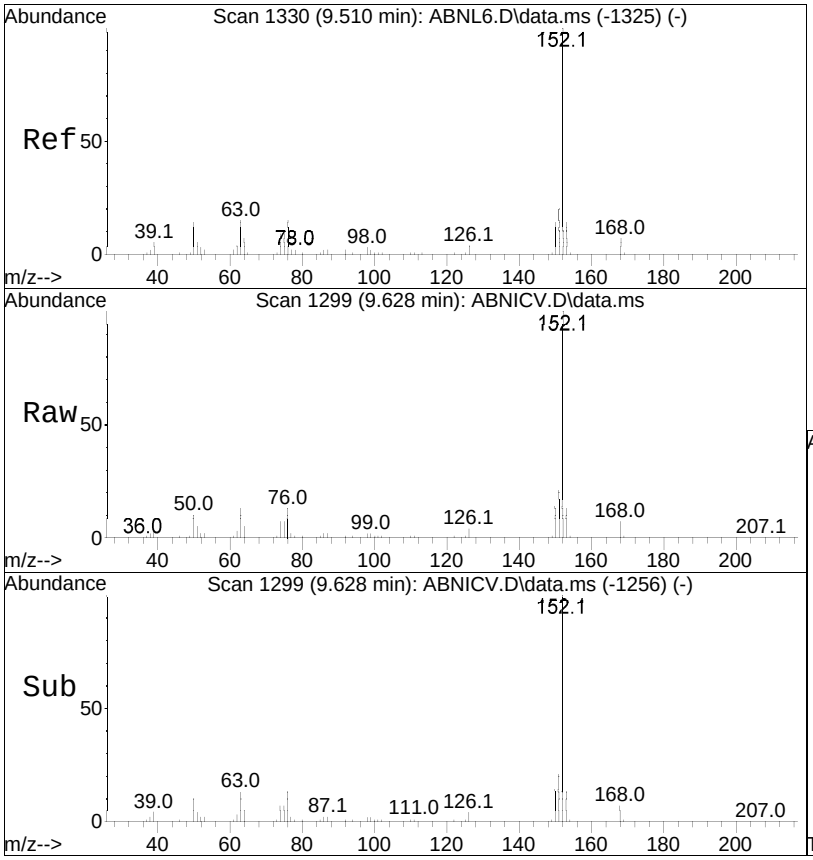


#53
2,6-Dinitrotoluene
Concen: 5.57 ug/ml
RT: 9.581 min Scan# 1291
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:165 Resp: 66602

Ion	Ratio	Lower	Upper
165	100		
89	51.0	54.2	81.2#
63	51.1	64.2	96.2#

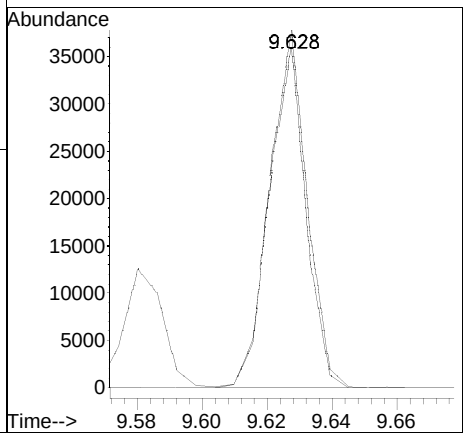


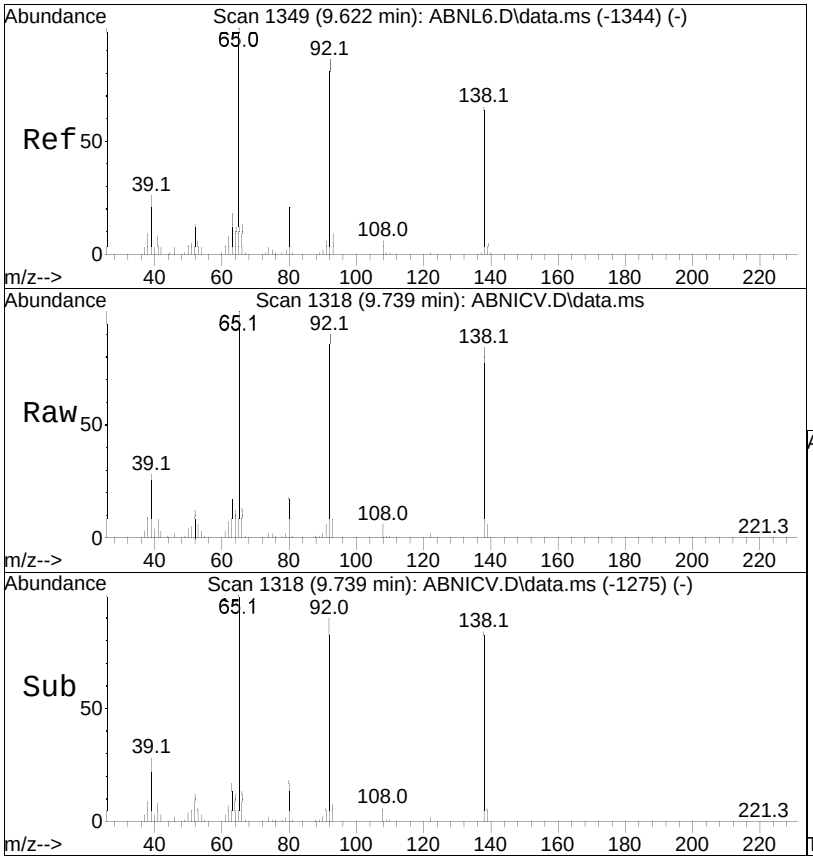


#54
1,2-Dinitrobenzene
Concen: 5.41 ug/ml
RT: 9.628 min Scan# 1299
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 28077

Ion	Ratio	Lower	Upper
168	100		
75	107.0	30.9	46.3#

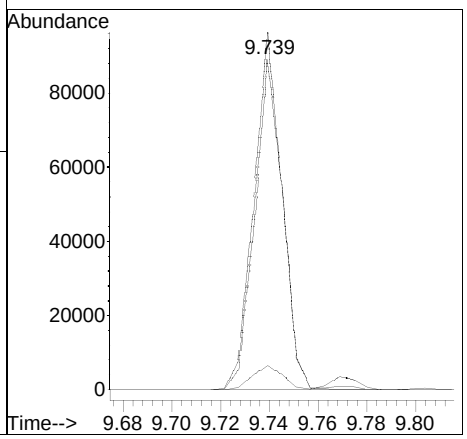


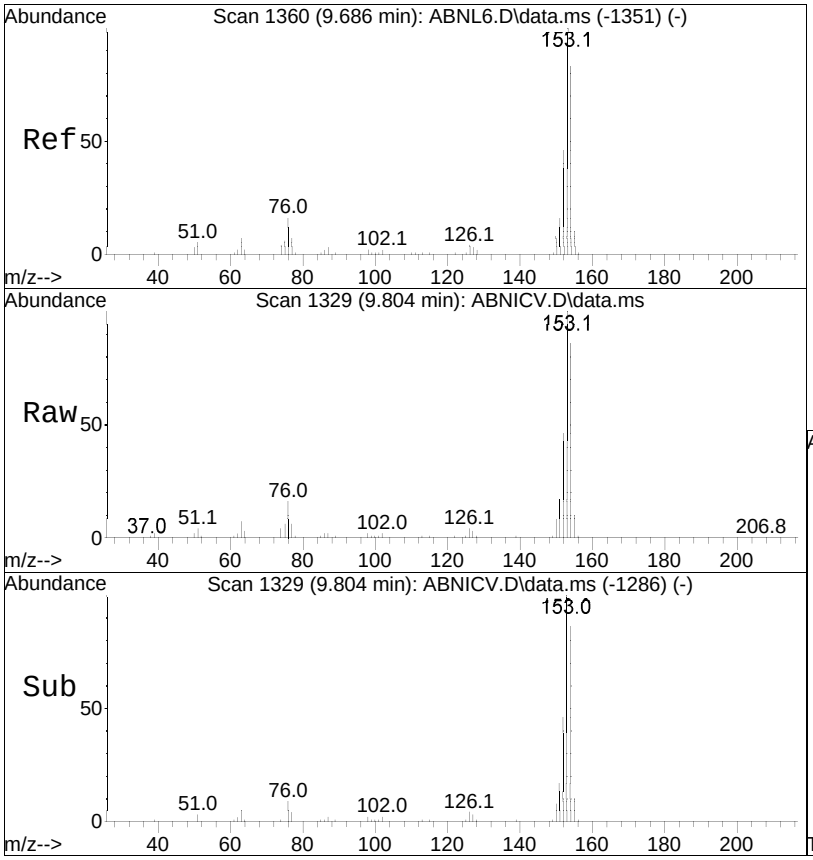


#64
3-Nitroaniline
Concen: 5.41 ug/ml
RT: 9.739 min Scan# 1318
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:138 Resp: 70653

Ion	Ratio	Lower	Upper
138	100		
92	107.9	93.4	140.2
108	8.2	9.5	14.3#

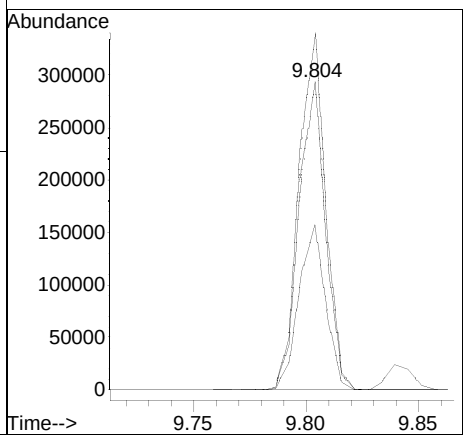


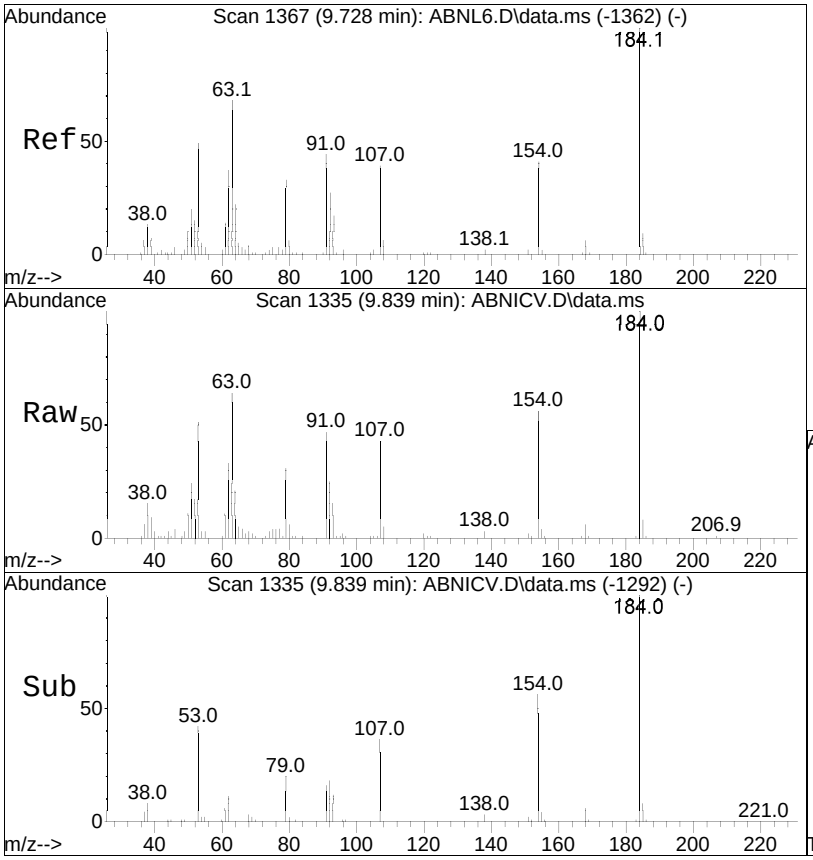


#65
Acenaphthene
Concen: 5.14 ug/ml
RT: 9.804 min Scan# 1329
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:154 Resp: 240578

Ion	Ratio	Lower	Upper
154	100		
153	116.2	85.3	127.9
152	54.2	41.4	62.0

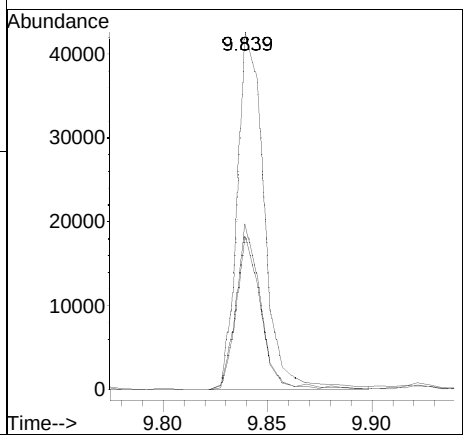


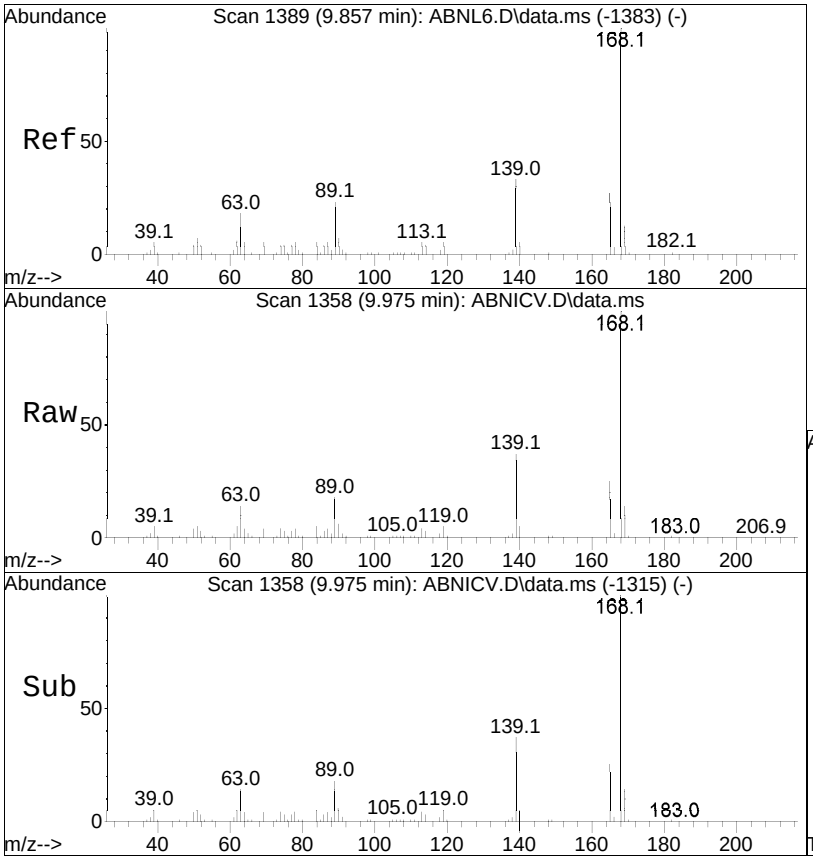


#66
2,4-Dinitrophenol
Concen: 4.89 ug/ml
RT: 9.839 min Scan# 1335
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:184 Resp: 38145

Ion	Ratio	Lower	Upper
184	100		
107	38.9	37.7	56.5
91	43.6	46.3	69.5#

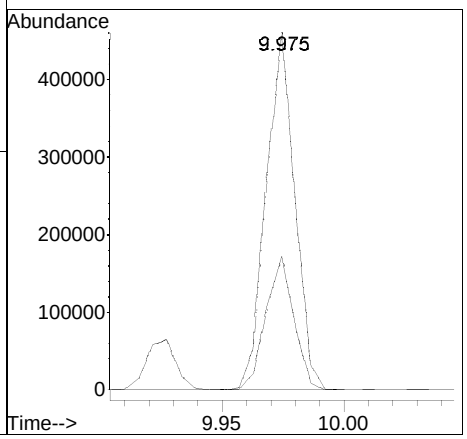


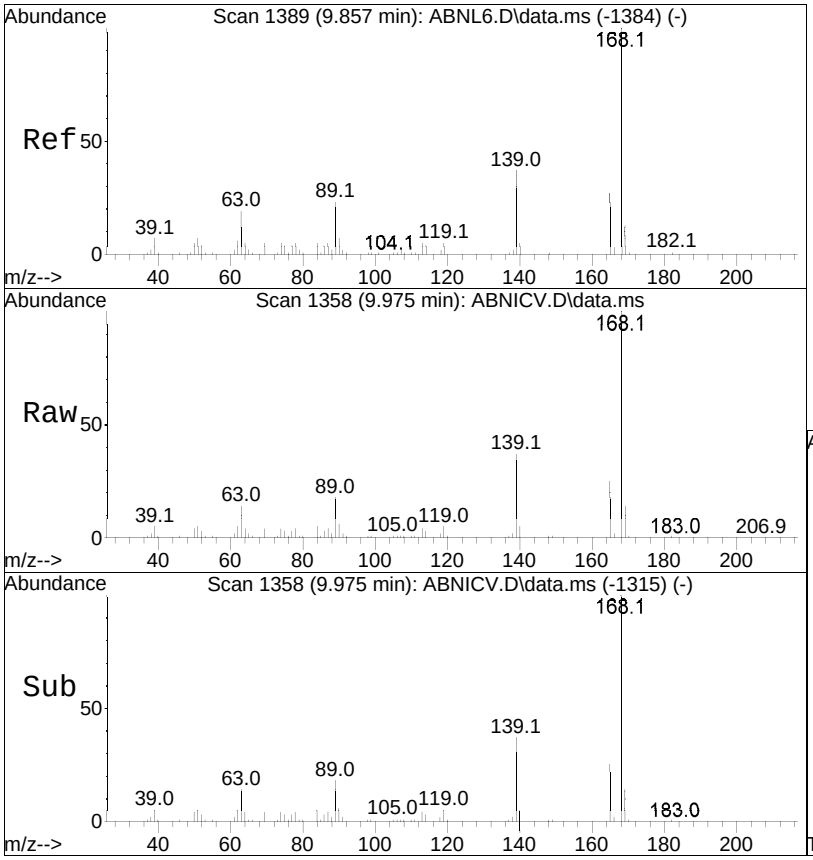


#67
Dibenzofuran
Concen: 4.92 ug/ml
RT: 9.975 min Scan# 1358
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 372461

Ion	Ratio	Lower	Upper
168	100		
139	36.8	31.4	47.2

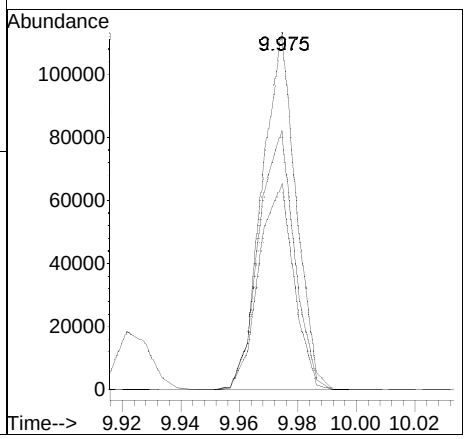


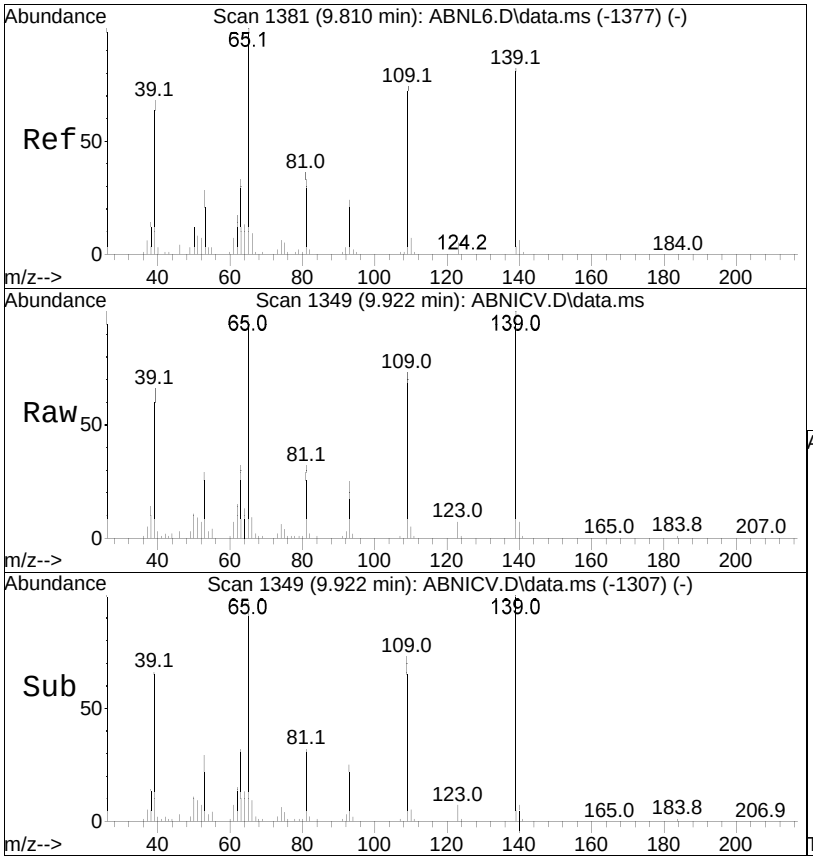


#68
2,4-Dinitrotoluene
Concen: 5.33 ug/ml
RT: 9.975 min Scan# 1358
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:165 Resp: 90317

Ion	Ratio	Lower	Upper
165	100		
89	75.8	72.0	108.0
63	60.3	52.7	79.1

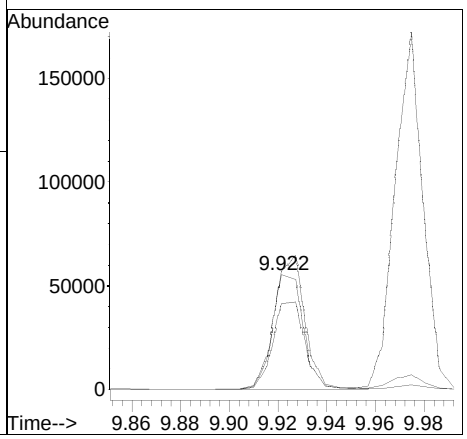


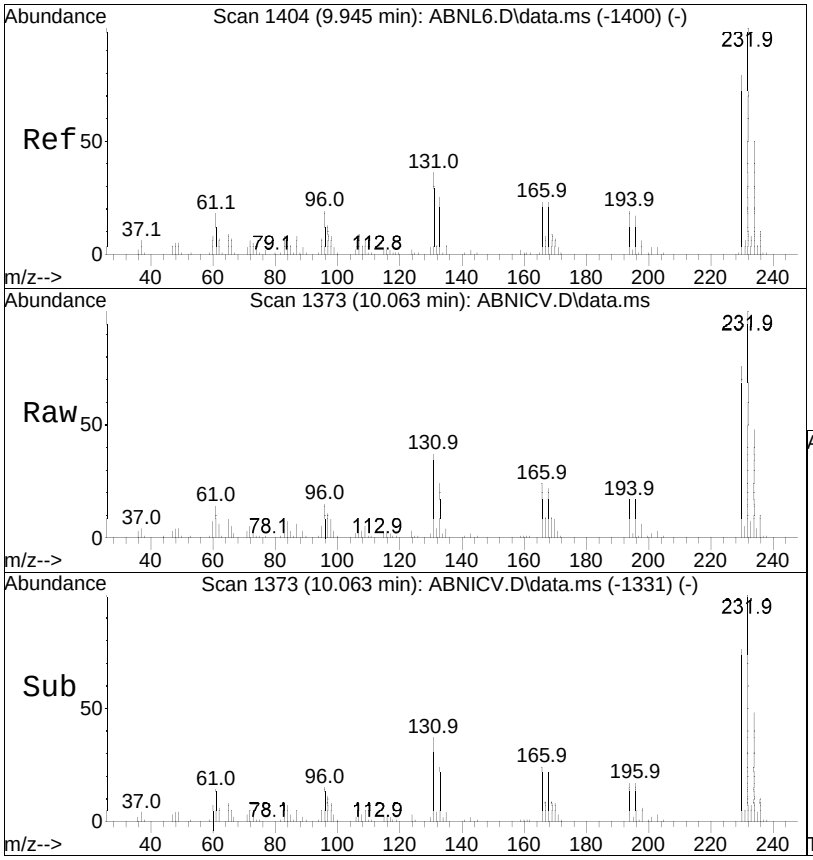


#69
4-Nitrophenol
Concen: 5.17 ug/ml
RT: 9.922 min Scan# 1349
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 65 Resp: 50008

Ion	Ratio	Lower	Upper
65	100		
109	77.7	47.4	71.2#
139	111.9	76.6	115.0

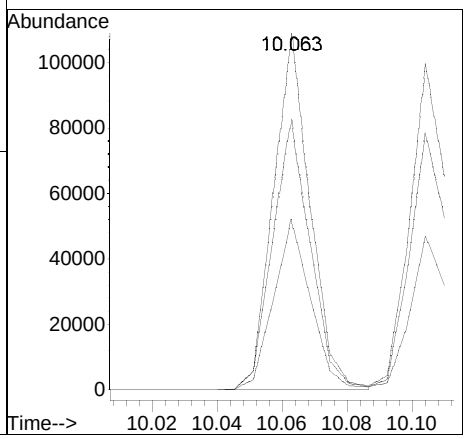


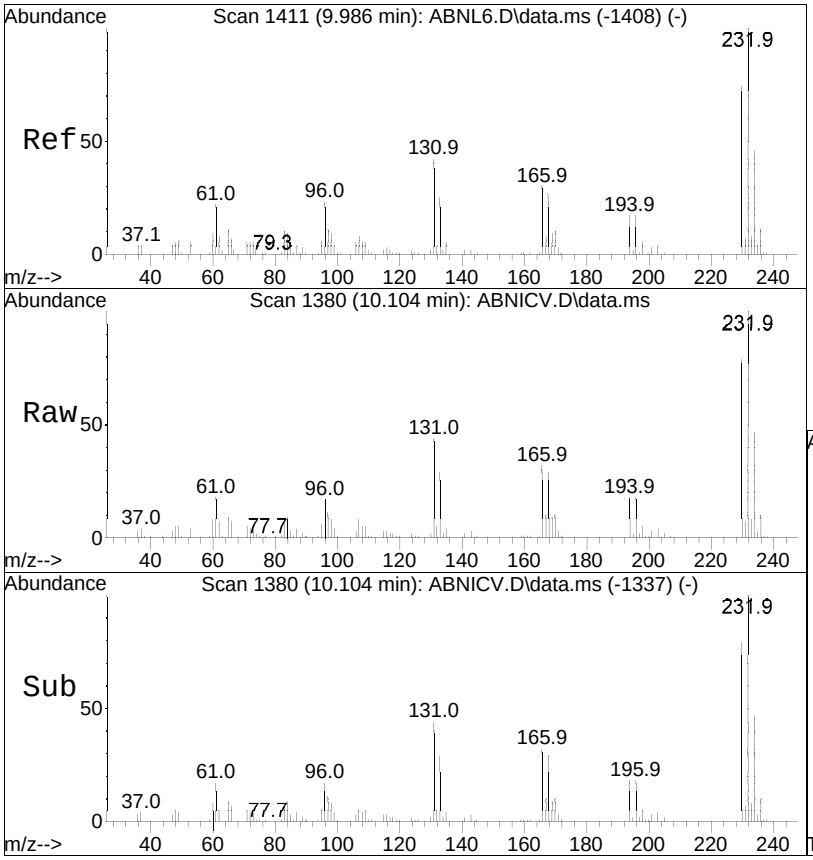


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.40 ug/ml
RT: 10.063 min Scan# 1373
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:232 Resp: 85379

Ion	Ratio	Lower	Upper
232	100		
230	78.0	64.2	96.4
234	48.4	38.1	57.1

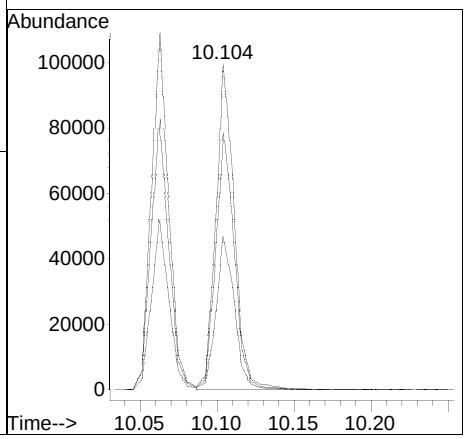


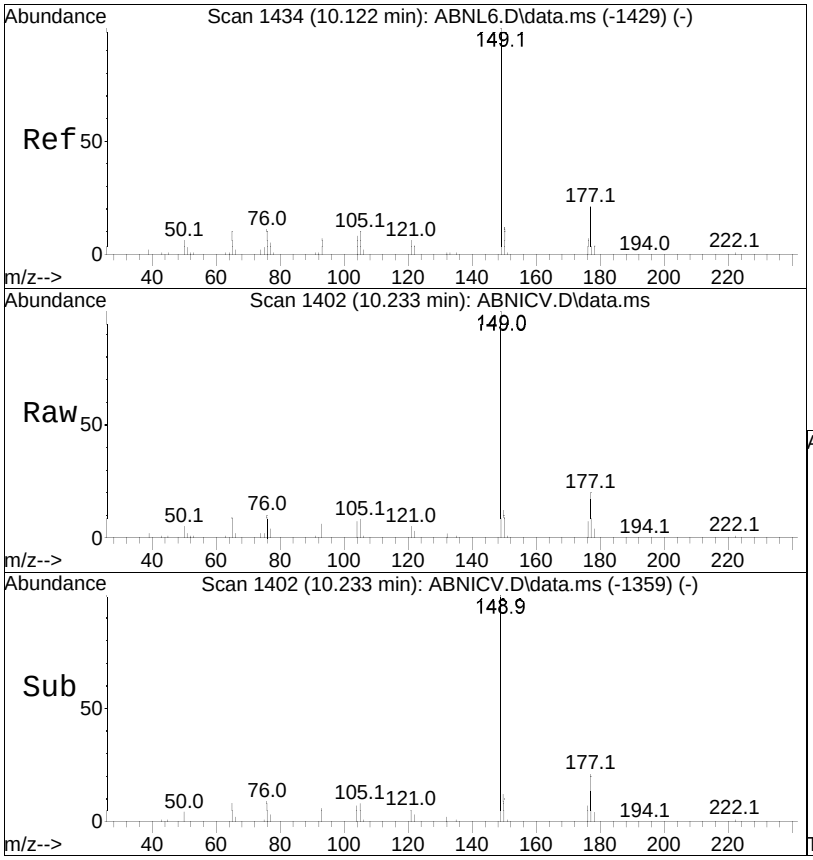


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.36 ug/ml
RT: 10.104 min Scan# 1380
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:232 Resp: 83604

Ion	Ratio	Lower	Upper
232	100		
230	80.2	61.8	92.8
234	47.1	36.2	54.2

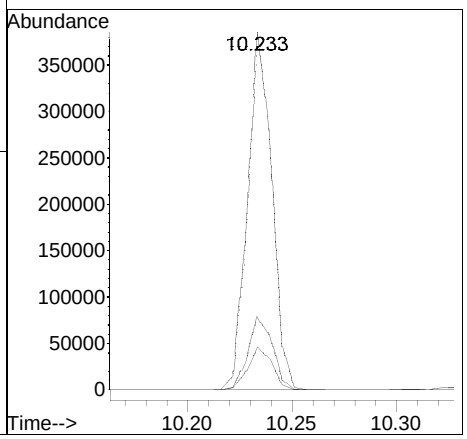


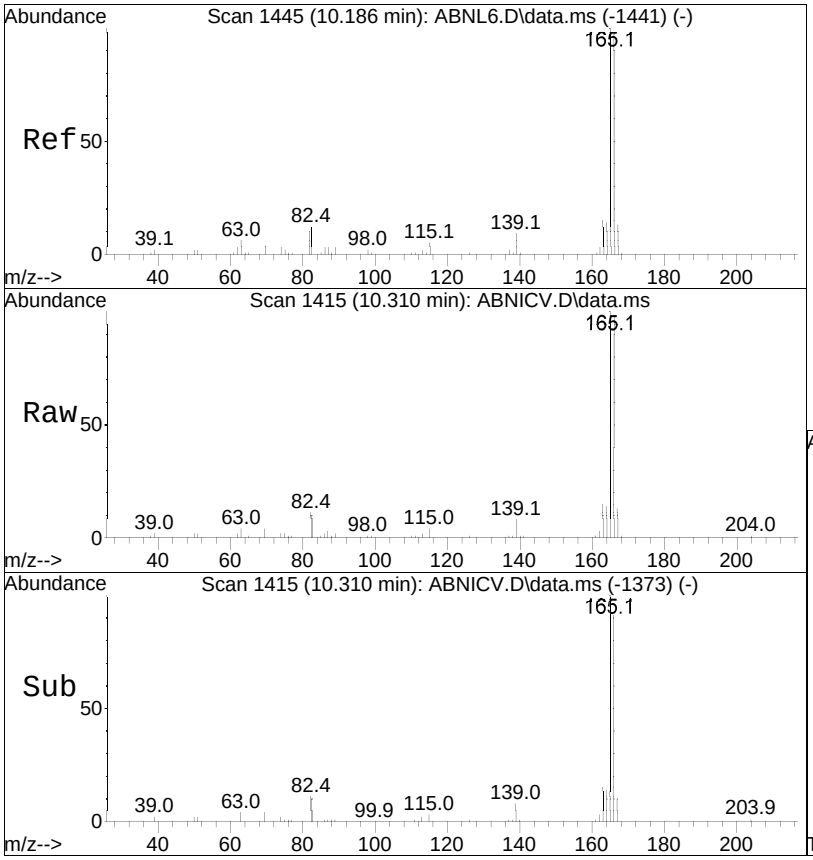


#72
Diethyl phthalate
Concen: 5.00 ug/ml
RT: 10.233 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 307265

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.1	24.1
150	12.1	9.4	14.2

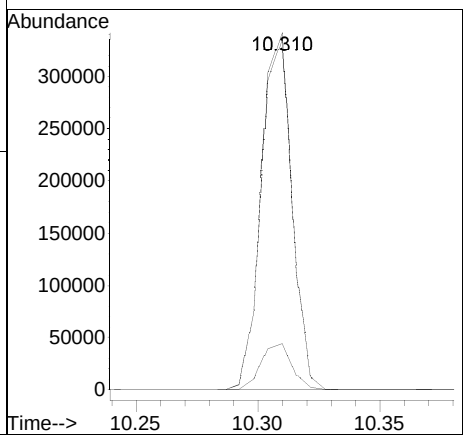


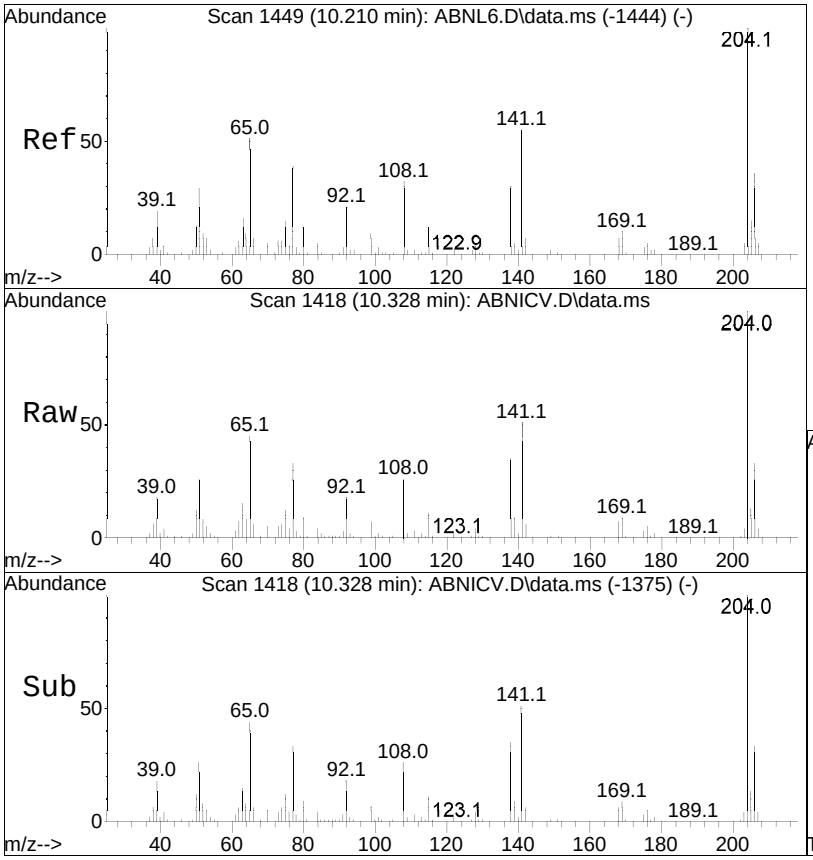


#73
Fluorene
Concen: 4.98 ug/ml
RT: 10.310 min Scan# 1415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:166 Resp: 294821

Ion	Ratio	Lower	Upper
166	100		
165	101.7	76.2	114.2
167	13.4	10.6	15.8

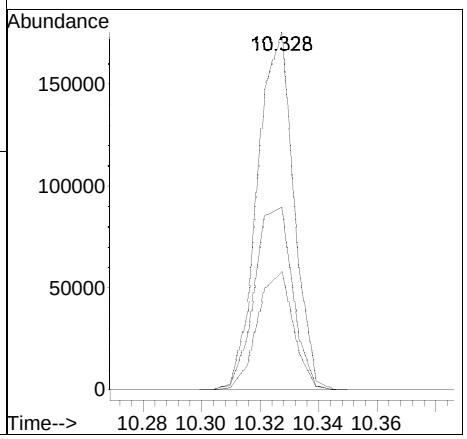


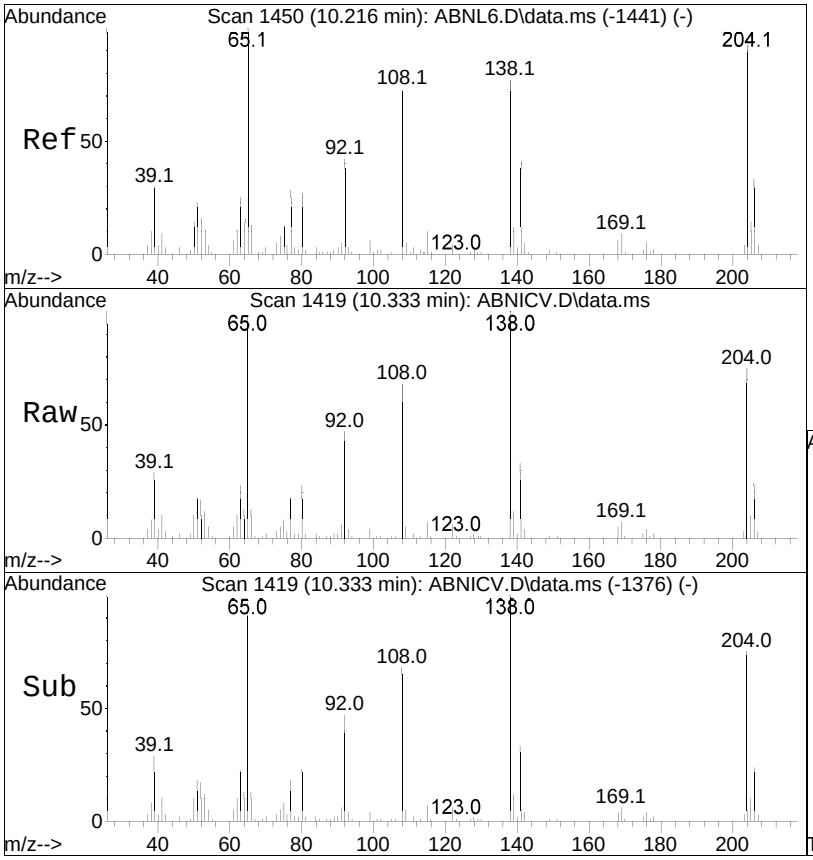


#74
4-Chlorophenyl phenyl ether
Concen: 4.94 ug/ml
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:204 Resp: 150045

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	54.0	53.6	80.4

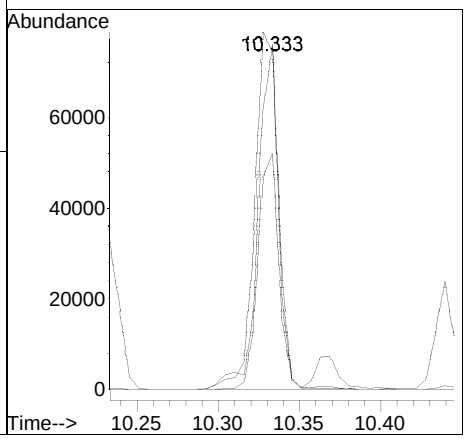


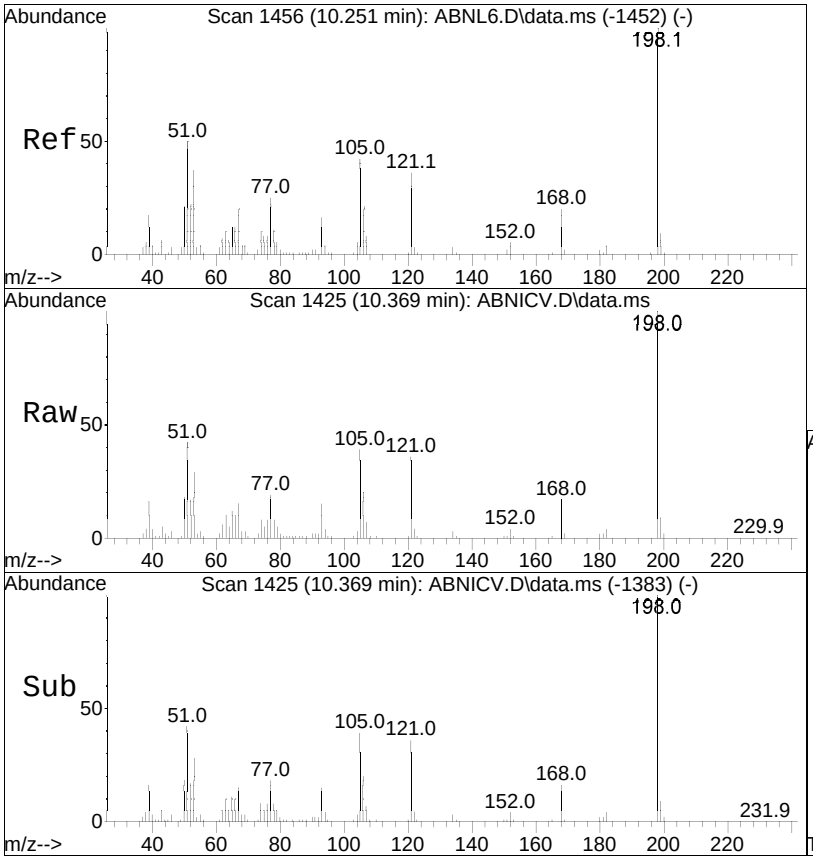


#75
4-Nitroaniline
Concen: 5.13 ug/ml
RT: 10.333 min Scan# 1419
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:138 Resp: 68272

Ion	Ratio	Lower	Upper
138	100		
108	68.0	52.1	78.1
65	112.7	115.0	172.6#

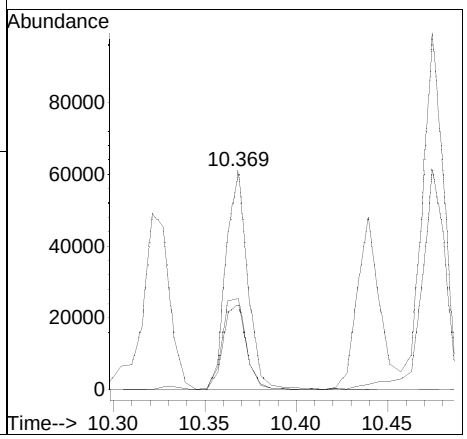


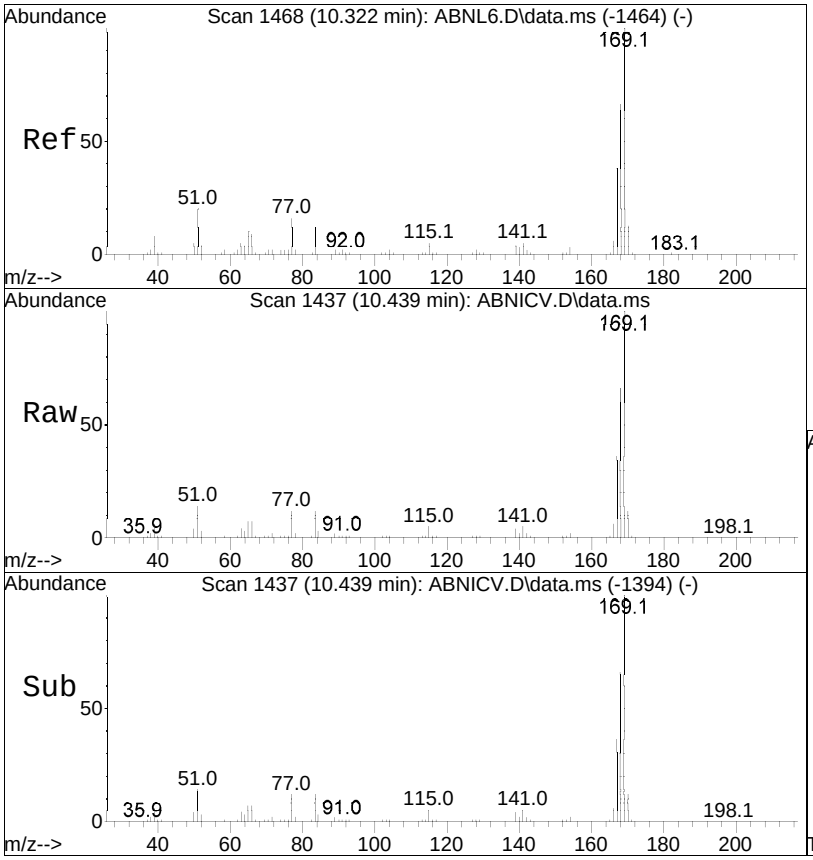


#76
4,6-Dinitro-o-cresol
Concen: 4.55 ug/ml
RT: 10.369 min Scan# 1425
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:198 Resp: 51882

Ion	Ratio	Lower	Upper
198	100		
51	44.5	76.0	114.0#
105	41.8	45.6	68.4#

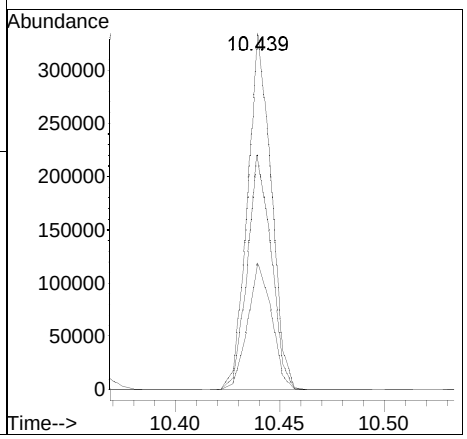


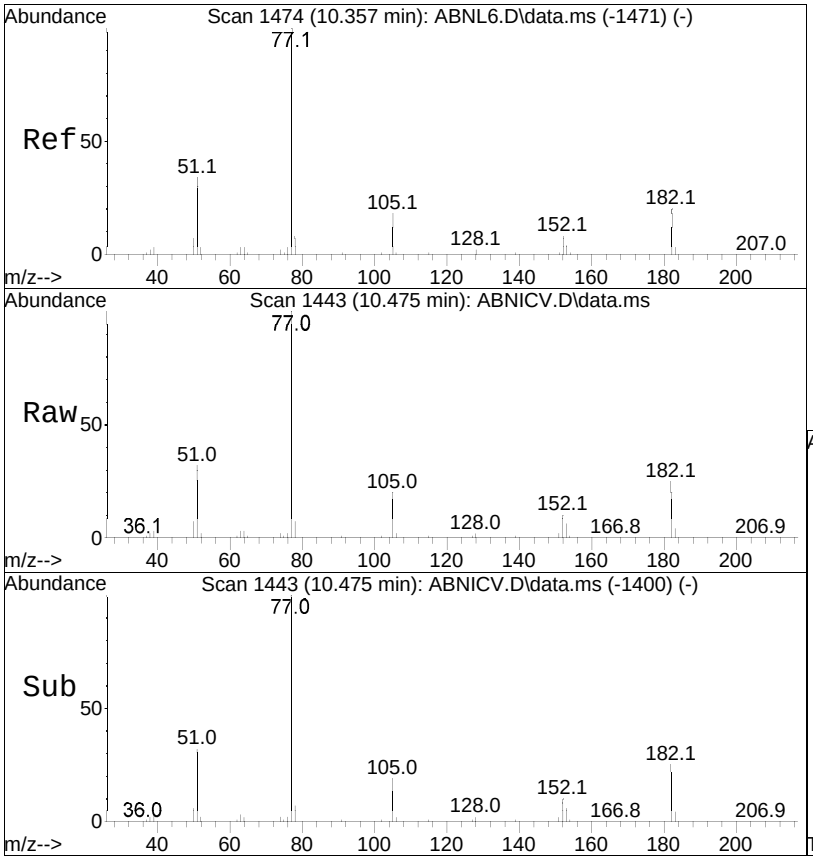


#77
NDPA/DPA
Concen: 5.18 ug/ml
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:169 Resp: 264255

Ion	Ratio	Lower	Upper
169	100		
168	66.4	54.0	81.0
167	36.1	28.6	42.8

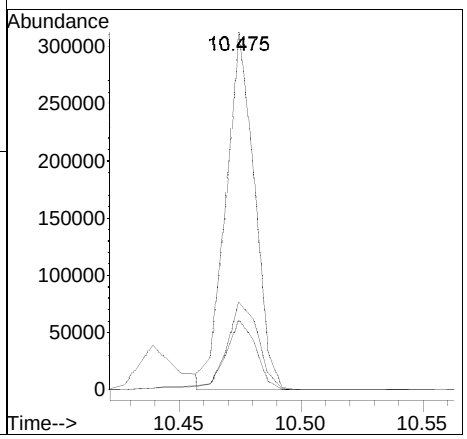


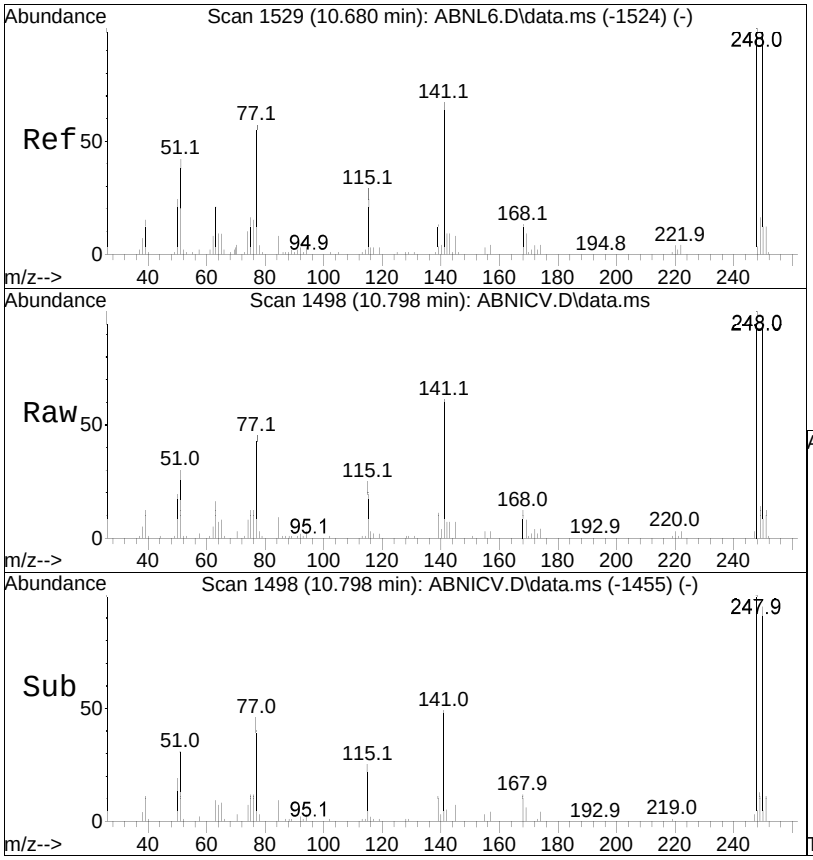


#78
Azobenzene
Concen: 5.06 ug/ml
RT: 10.475 min Scan# 1443
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 77 Resp: 252540

Ion	Ratio	Lower	Upper
77	100		
182	28.4	17.4	26.2#
105	22.1	15.4	23.2

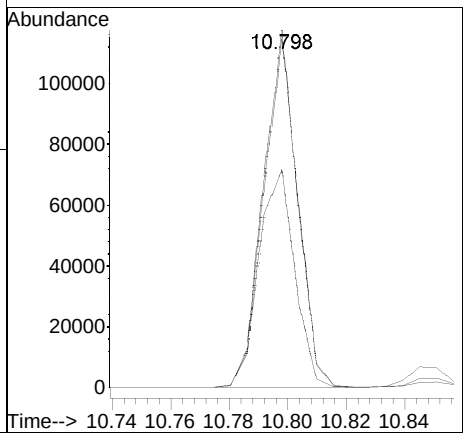


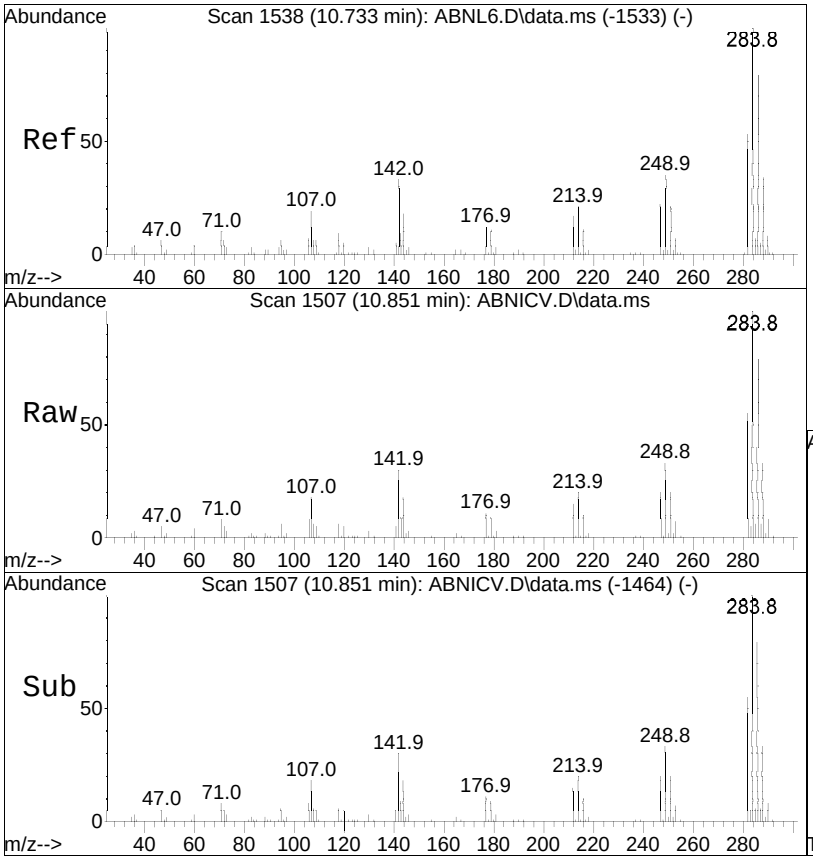


#80
4-Bromophenyl phenyl ether
Concen: 4.99 ug/ml
RT: 10.798 min Scan# 1498
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:248 Resp: 93831

Ion	Ratio	Lower	Upper
248	100		
141	64.5	76.6	114.8#
250	97.4	77.3	115.9

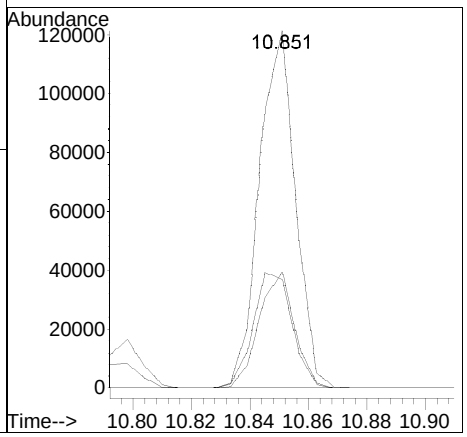


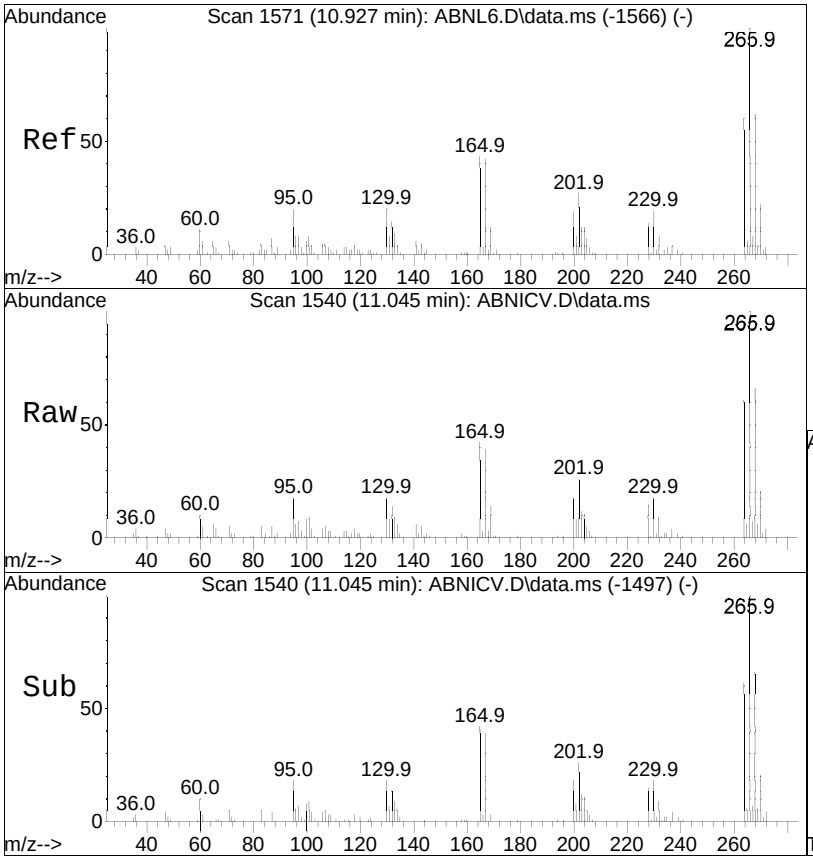


#81
Hexachlorobenzene
Concen: 4.86 ug/ml
RT: 10.851 min Scan# 1507
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:284 Resp: 103516

Ion	Ratio	Lower	Upper
284	100		
142	35.1	41.9	62.9#
249	32.1	24.1	36.1

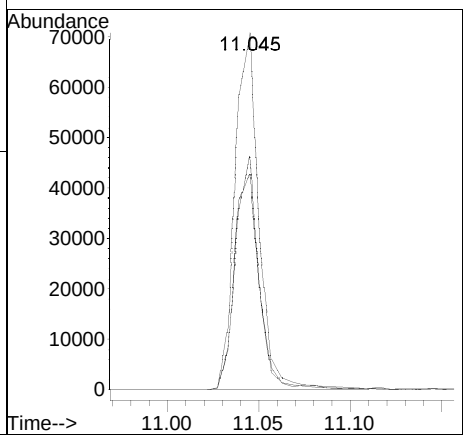


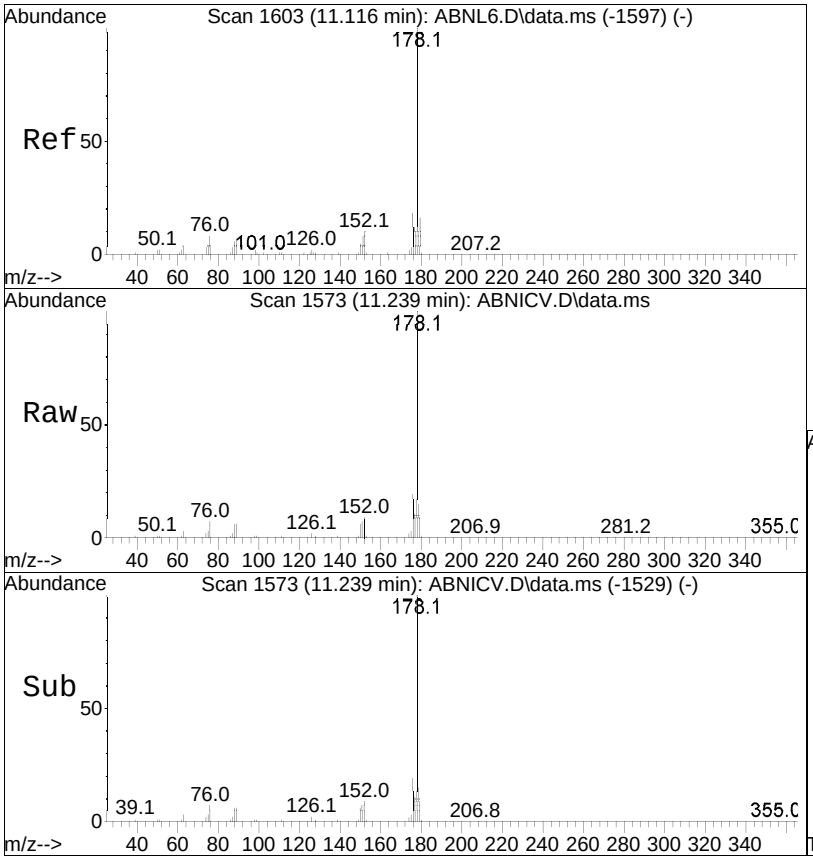


#82
Pentachlorophenol
Concen: 5.02 ug/ml
RT: 11.045 min Scan# 1540
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:266 Resp: 64691

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.7	74.5
268	64.2	50.5	75.7

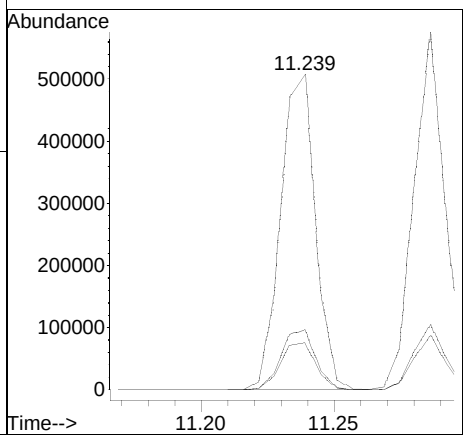


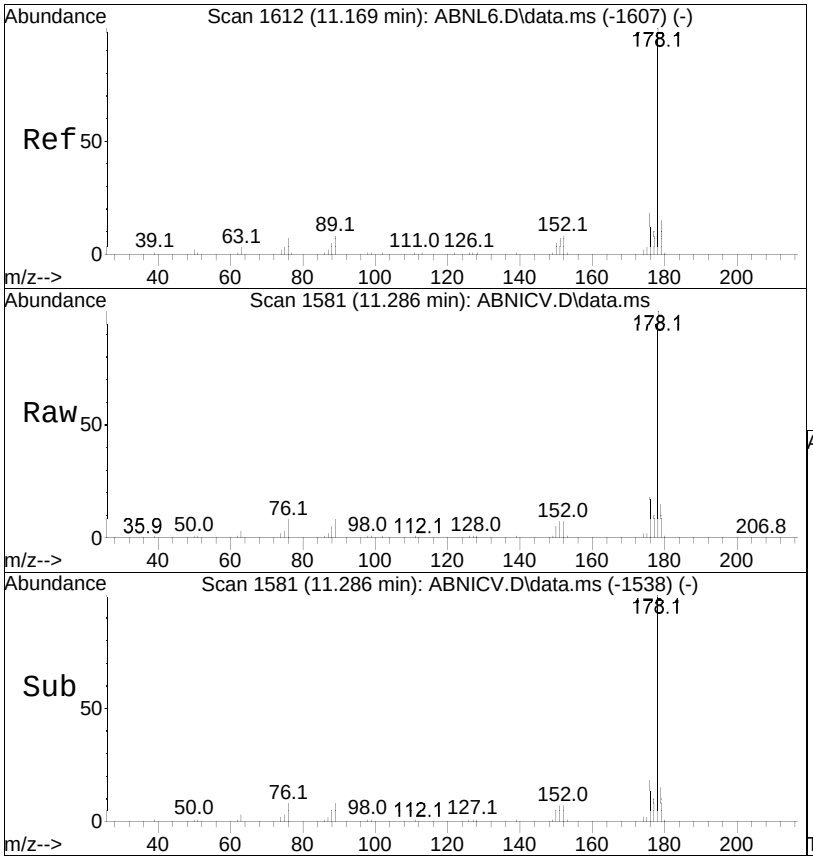


#89
Phenanthrene
Concen: 4.98 ug/ml
RT: 11.239 min Scan# 1573
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:178 Resp: 462471

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.9	15.4	23.2

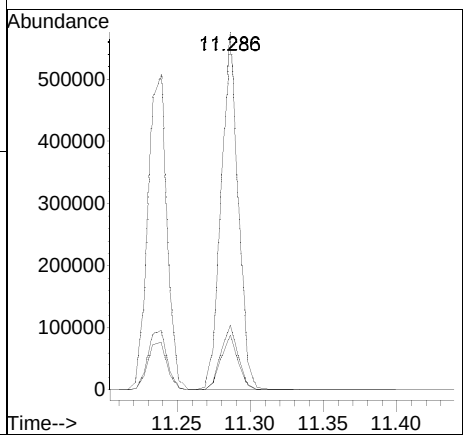


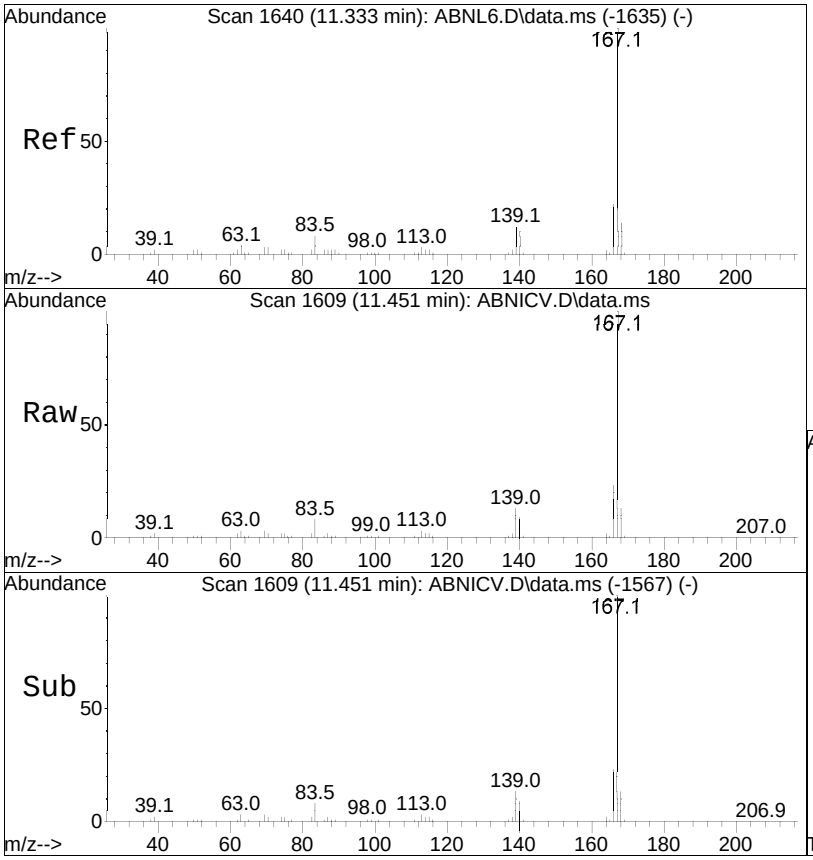


#90
Anthracene
Concen: 5.03 ug/ml
RT: 11.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:178 Resp: 465973

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	18.4	14.6	22.0

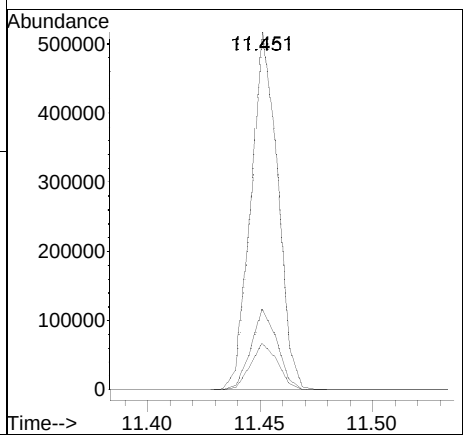


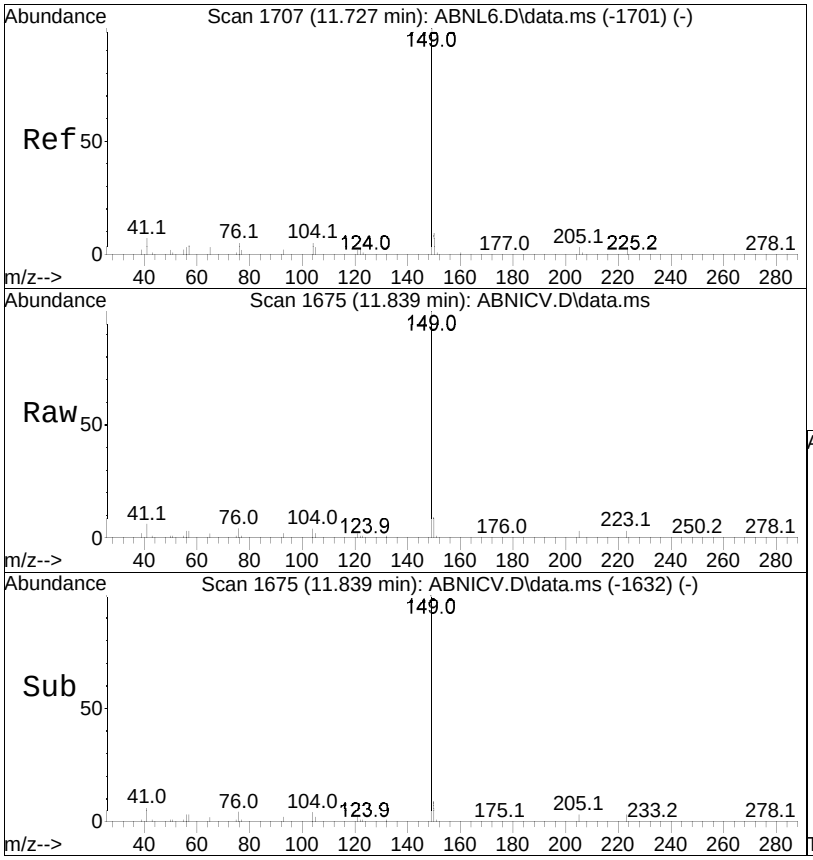


#91
Carbazole
Concen: 5.07 ug/ml
RT: 11.451 min Scan# 1609
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:167 Resp: 423253

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	22.2	17.4	26.0

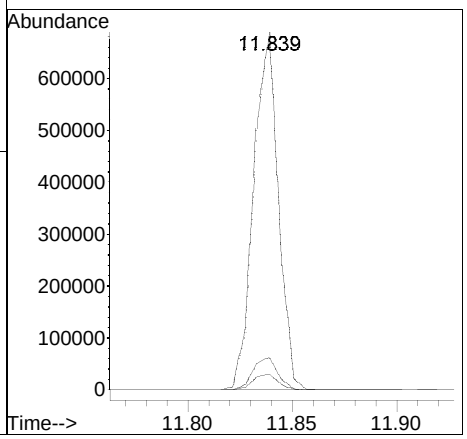


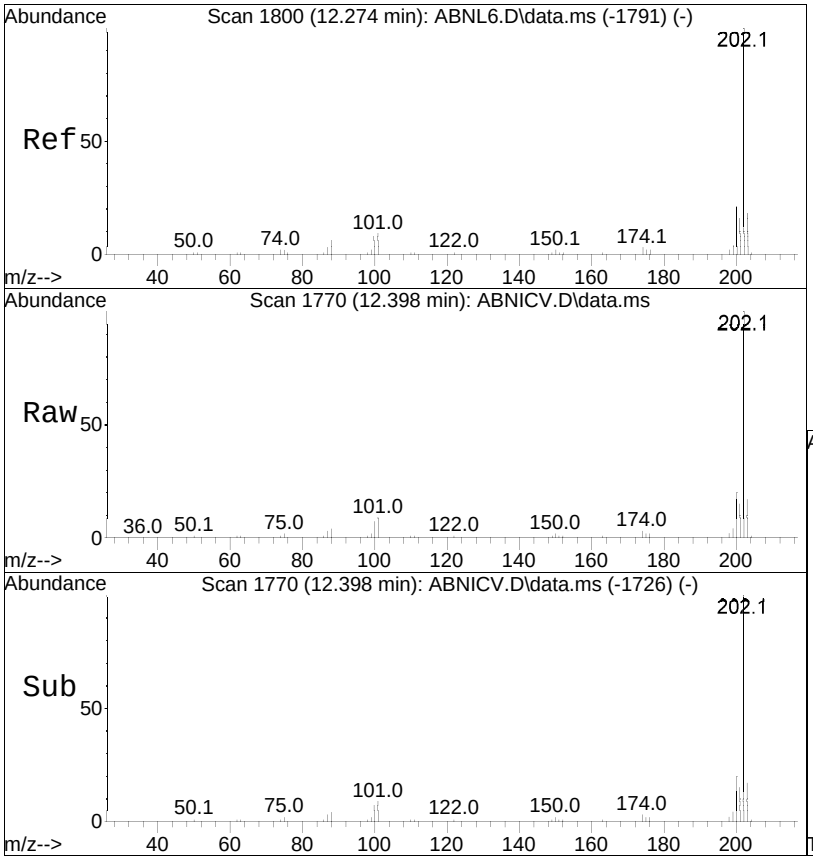


#92
Di-n-butylphthalate
Concen: 5.33 ug/ml
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 556869

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.6	4.5	6.7

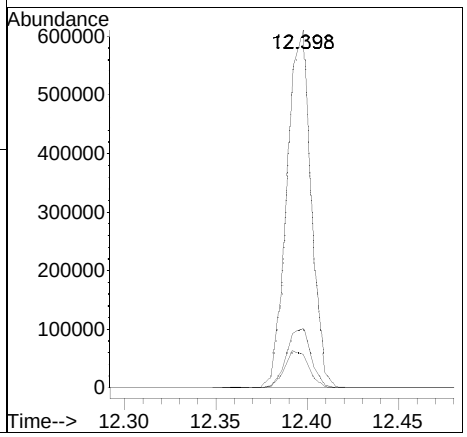


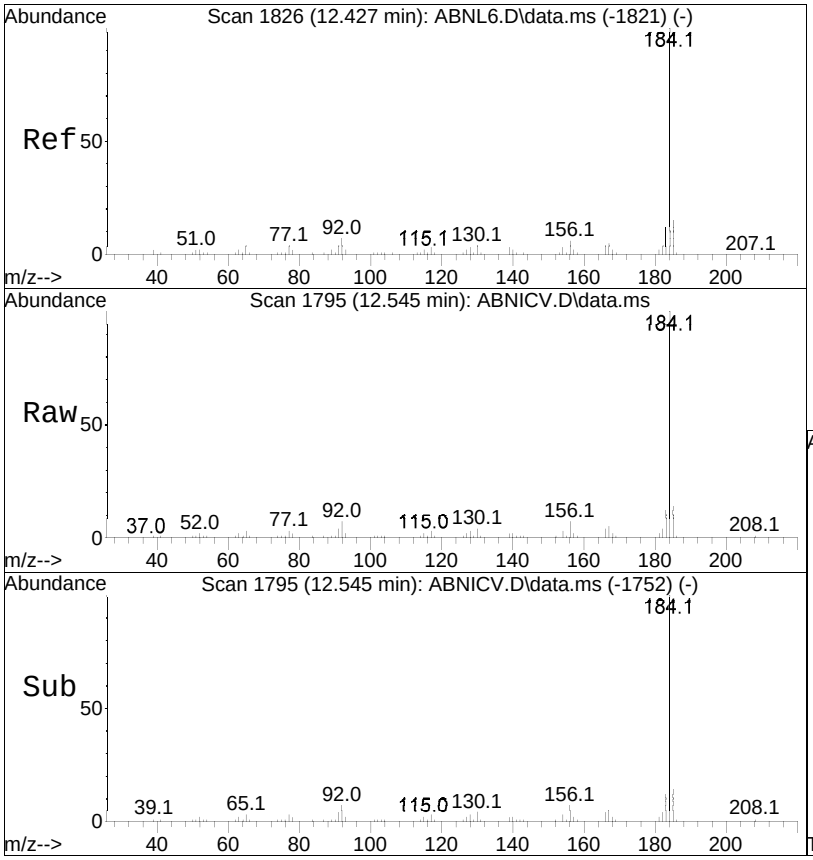


#93
Fluoranthene
Concen: 5.20 ug/ml
RT: 12.398 min Scan# 1770
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:202 Resp: 557525

Ion	Ratio	Lower	Upper
202	100		
101	10.5	13.5	20.3#
203	17.2	13.6	20.4

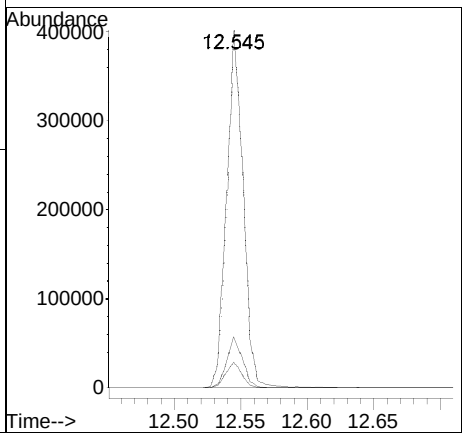


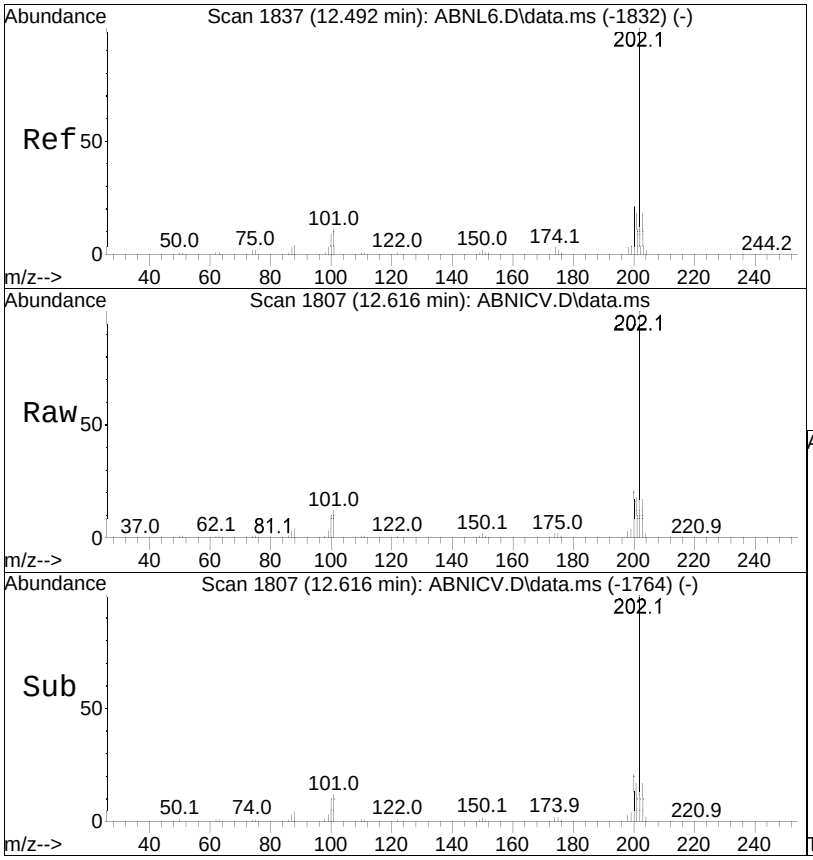


#94
Benzidine
Concen: 5.53 ug/ml
RT: 12.545 min Scan# 1795
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:184 Resp: 339703

Ion	Ratio	Lower	Upper
184	100		
92	7.2	9.1	13.7#
185	14.0	11.1	16.7

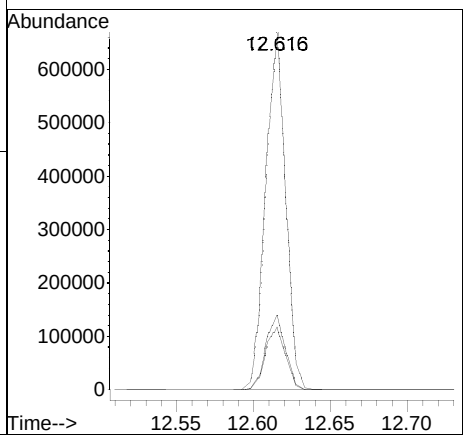


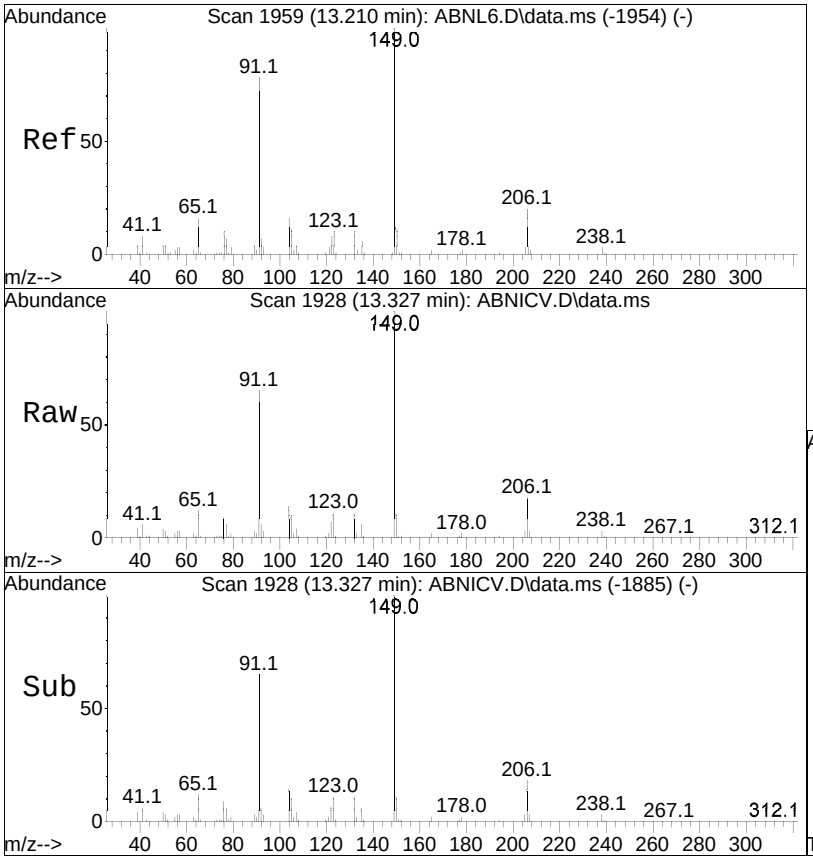


#95
Pyrene
Concen: 5.25 ug/ml
RT: 12.616 min Scan# 1807
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:202 Resp: 593234

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.9	14.2	21.4

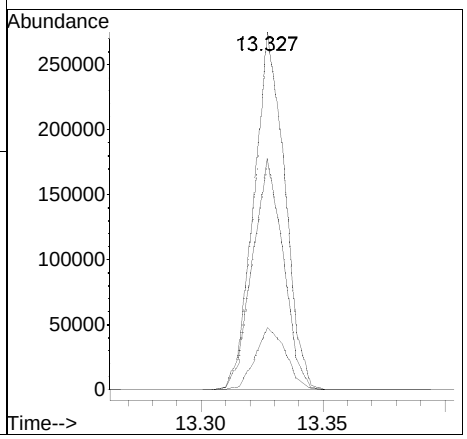


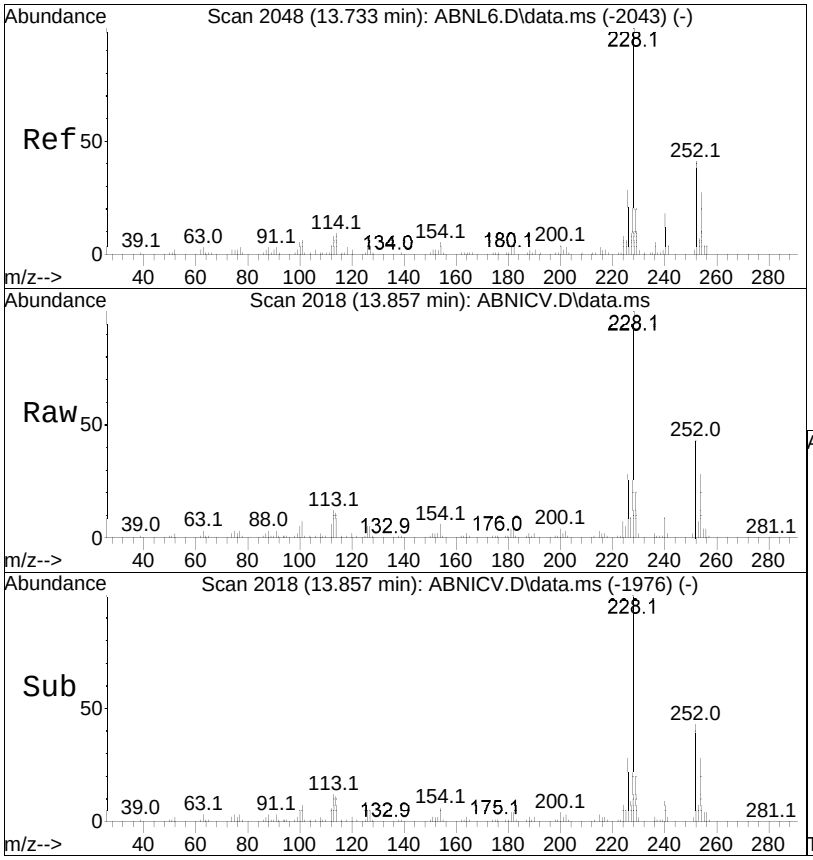


#97
Butyl benzyl phthalate
Concen: 5.44 ug/ml
RT: 13.327 min Scan# 1928
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 238944

Ion	Ratio	Lower	Upper
149	100		
91	65.0	63.3	94.9
206	17.5	13.9	20.9

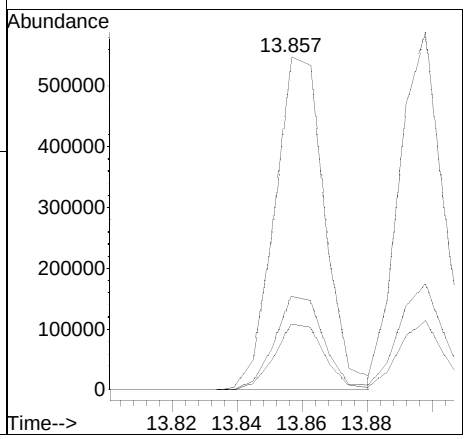


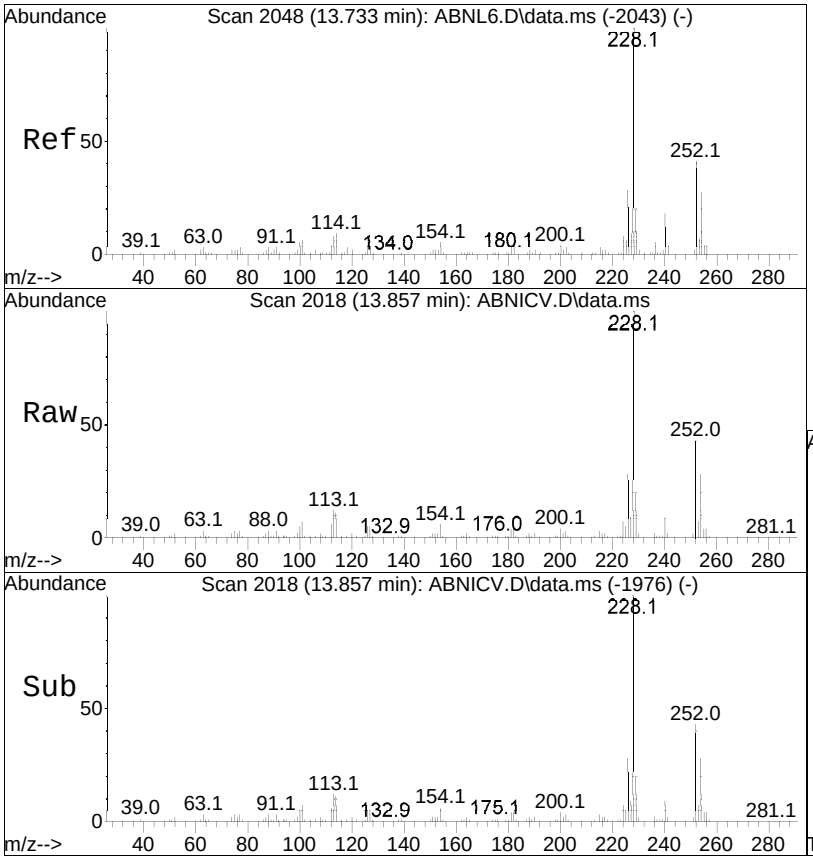


#105
Benzo(a)anthracene
Concen: 4.90 ug/ml
RT: 13.857 min Scan# 2018
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:228 Resp: 586338

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.8	15.6	23.4

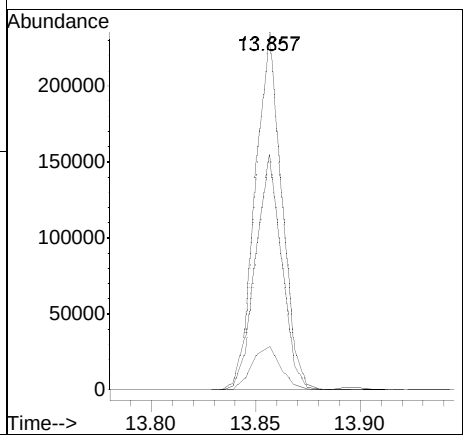


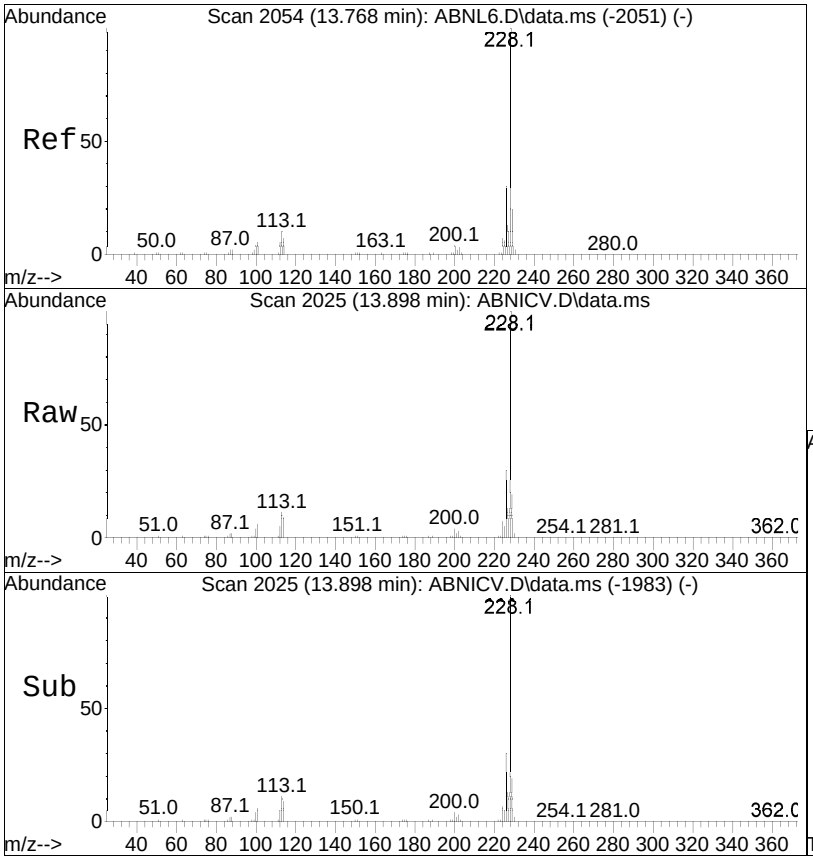


#106
3,3'-Dichlorobenzidine
Concen: 5.26 ug/ml
RT: 13.857 min Scan# 2018
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 206912

Ion	Ratio	Lower	Upper
252	100		
126	13.5	14.5	21.7#
254	65.1	51.2	76.8

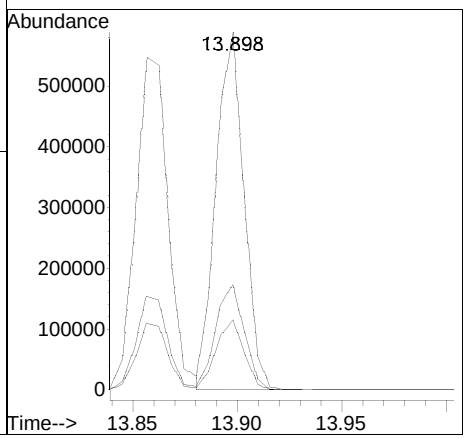


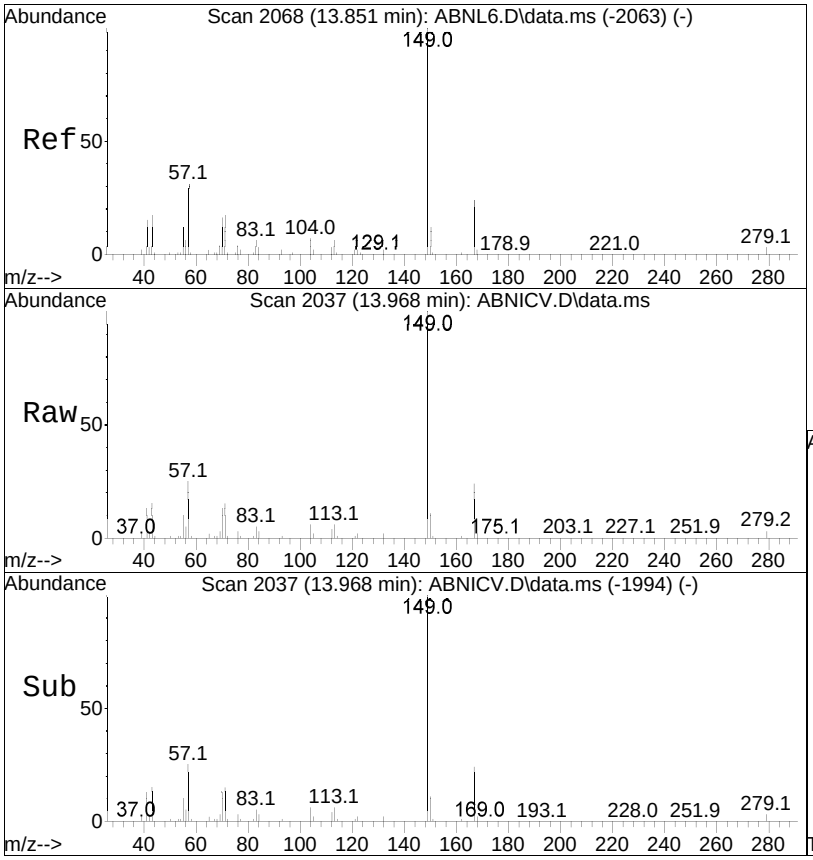


#107
Chrysene
Concen: 4.78 ug/ml
RT: 13.898 min Scan# 2025
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:228 Resp: 549197

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.4	15.8	23.8

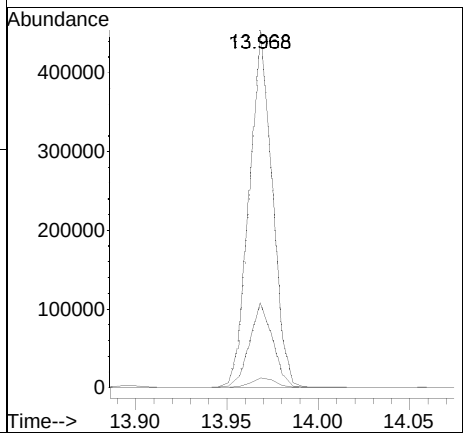


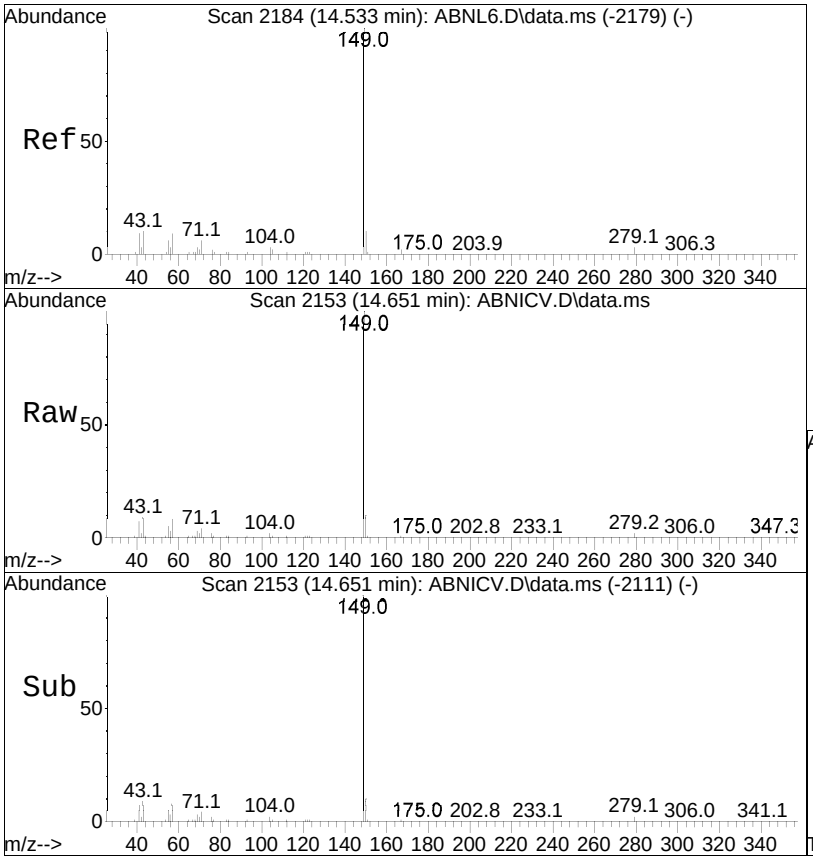


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.48 ug/ml
RT: 13.968 min Scan# 2037
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 394308

Ion	Ratio	Lower	Upper
149	100		
167	23.8	22.1	33.1
279	2.6	3.0	4.4#

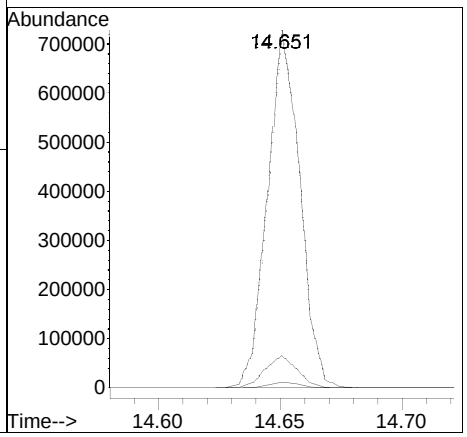


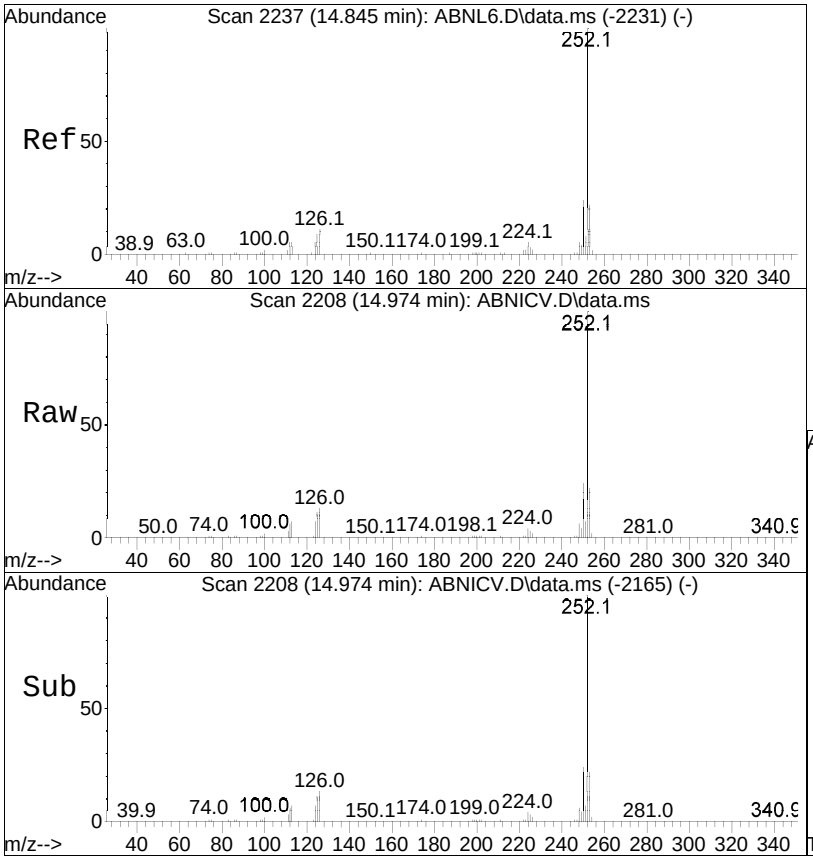


#109
Di-n-octylphthalate
Concen: 5.54 ug/ml
RT: 14.651 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 660821

Ion	Ratio	Lower	Upper
149	100		
43	9.2	18.8	28.2#
167	1.4	1.3	1.9

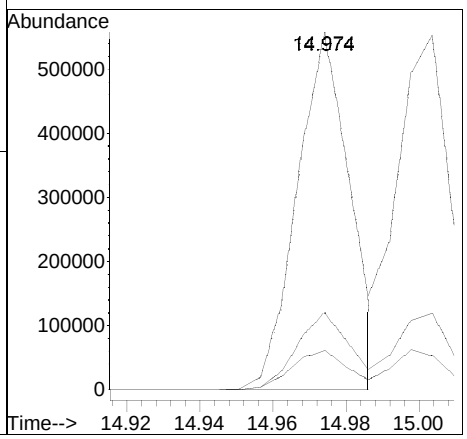


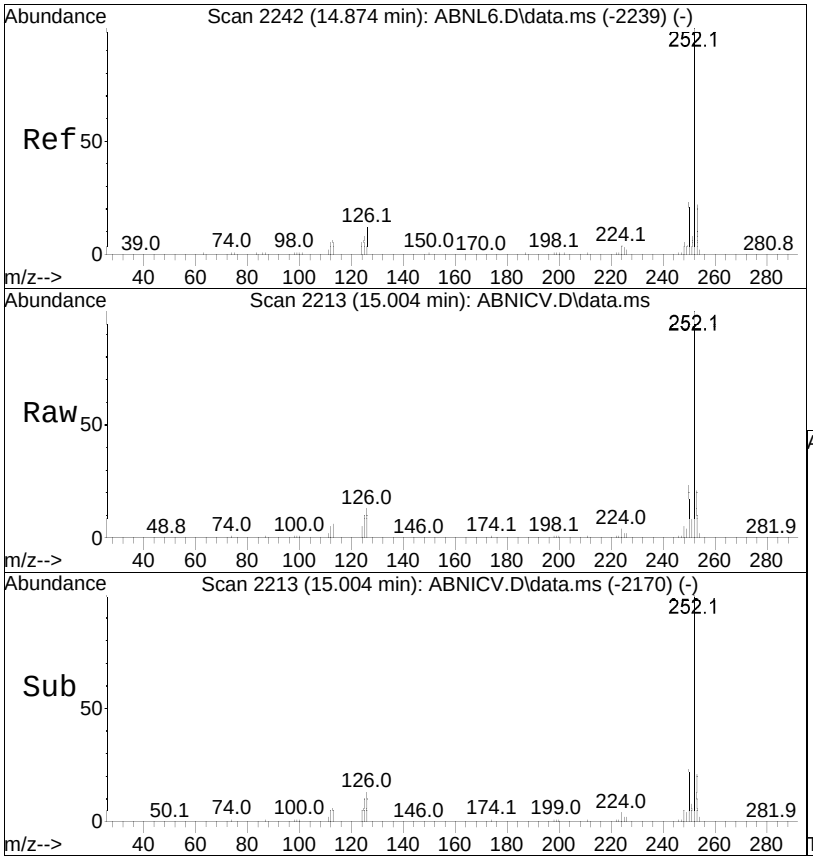


#110
Benzo(b)fluoranthene
Concen: 4.89 ug/ml
RT: 14.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 564800

Ion	Ratio	Lower	Upper
252	100		
125	11.9	13.3	19.9#
253	21.7	17.1	25.7

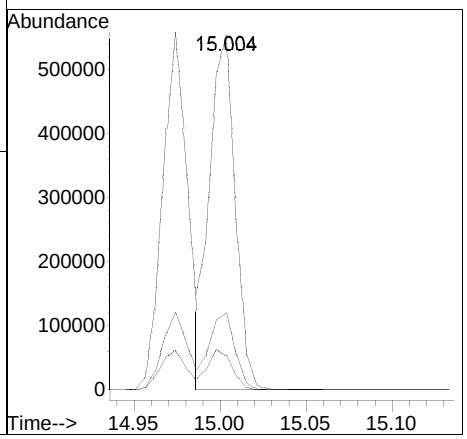


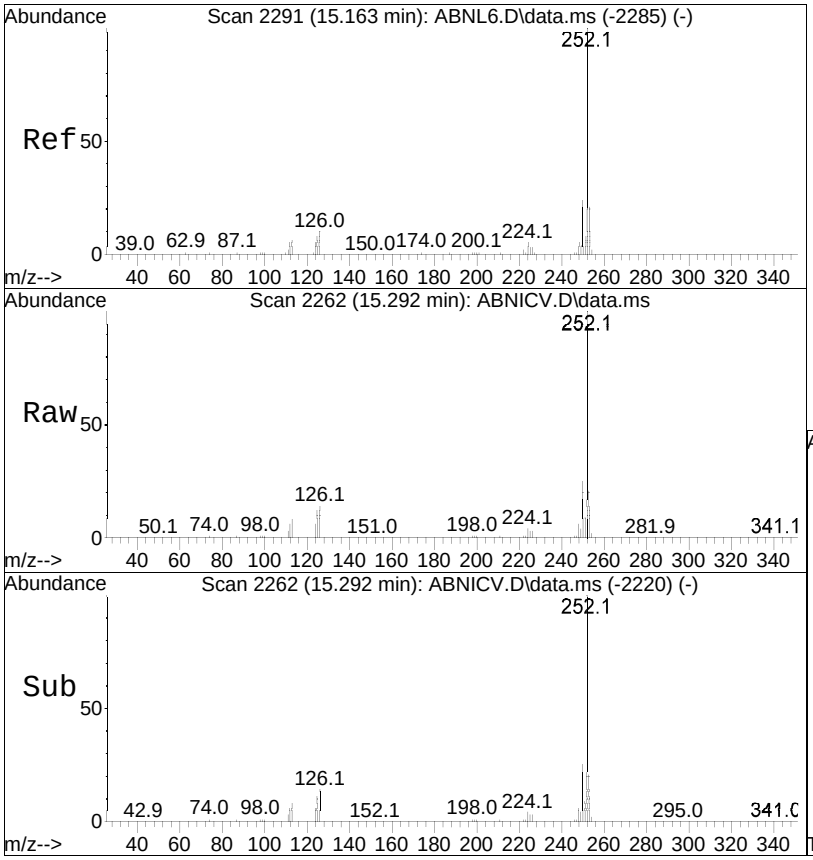


#111
Benzo(k)fluoranthene
Concen: 5.27 ug/ml
RT: 15.004 min Scan# 2213
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 567319

Ion	Ratio	Lower	Upper
252	100		
125	11.0	13.0	19.6#
253	21.8	16.8	25.2

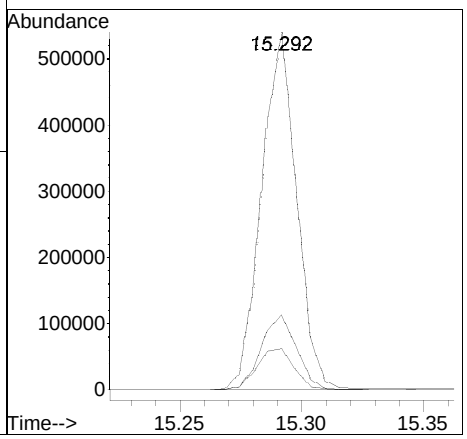


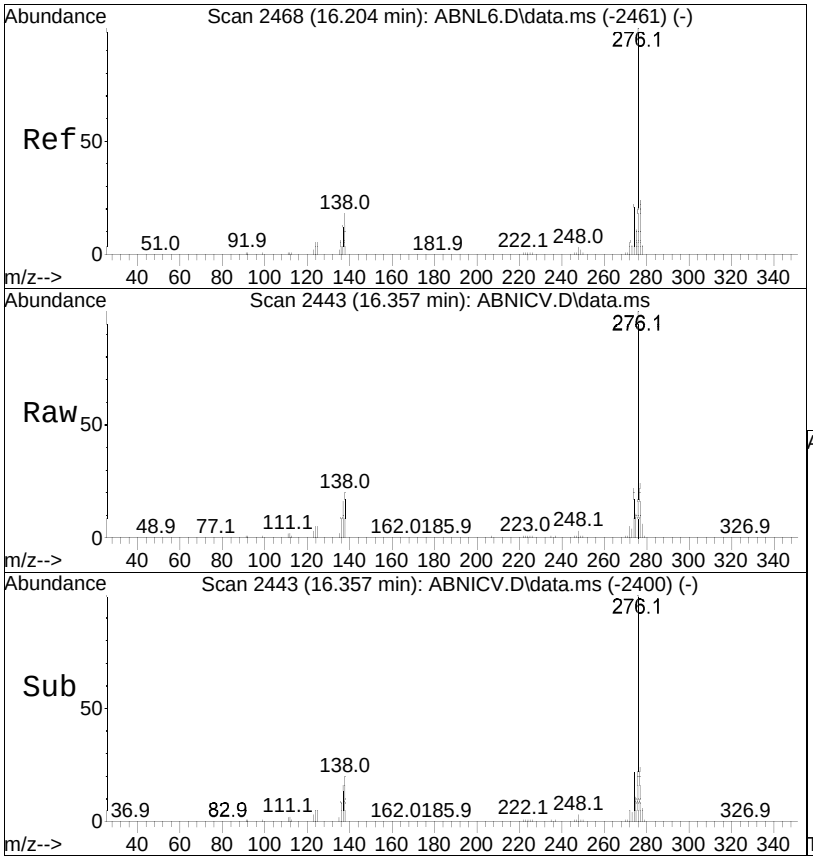


#112
Benzo(a)pyrene
Concen: 5.36 ug/ml
RT: 15.292 min Scan# 2262
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 537065

Ion	Ratio	Lower	Upper
252	100		
125	12.5	14.2	21.2#
253	21.4	16.9	25.3

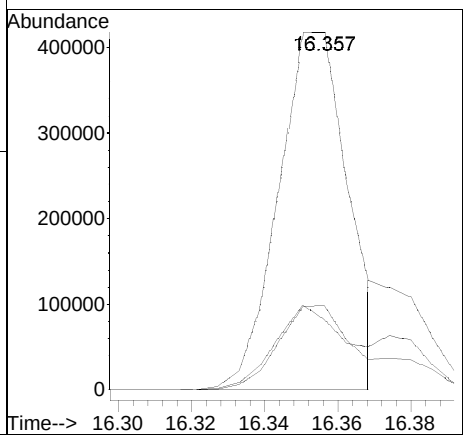


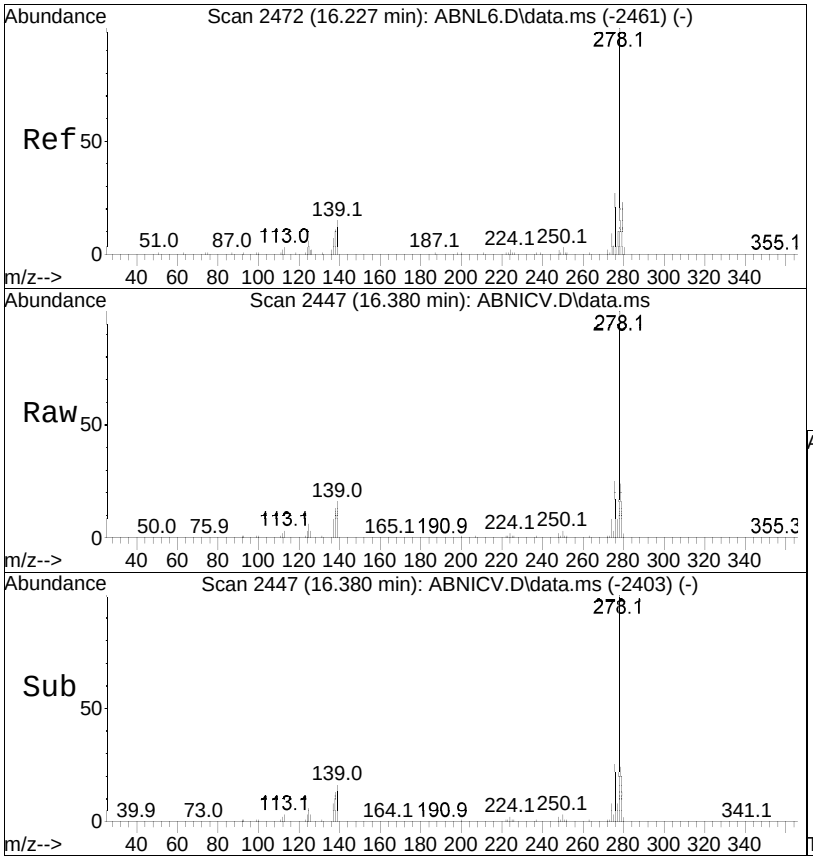


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.01 ug/mL M6
RT: 16.357 min Scan# 2443
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:276 Resp: 557701

Ion	Ratio	Lower	Upper
276	100		
138	24.8	25.1	37.7#
277	30.8	18.6	28.0#

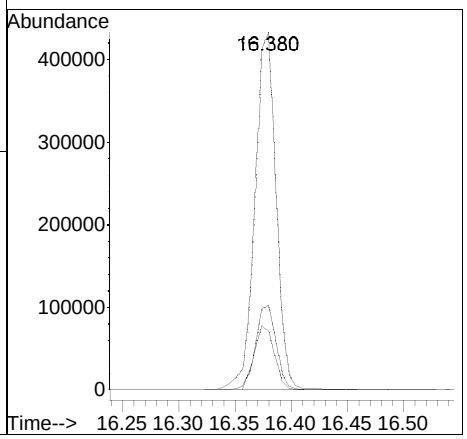


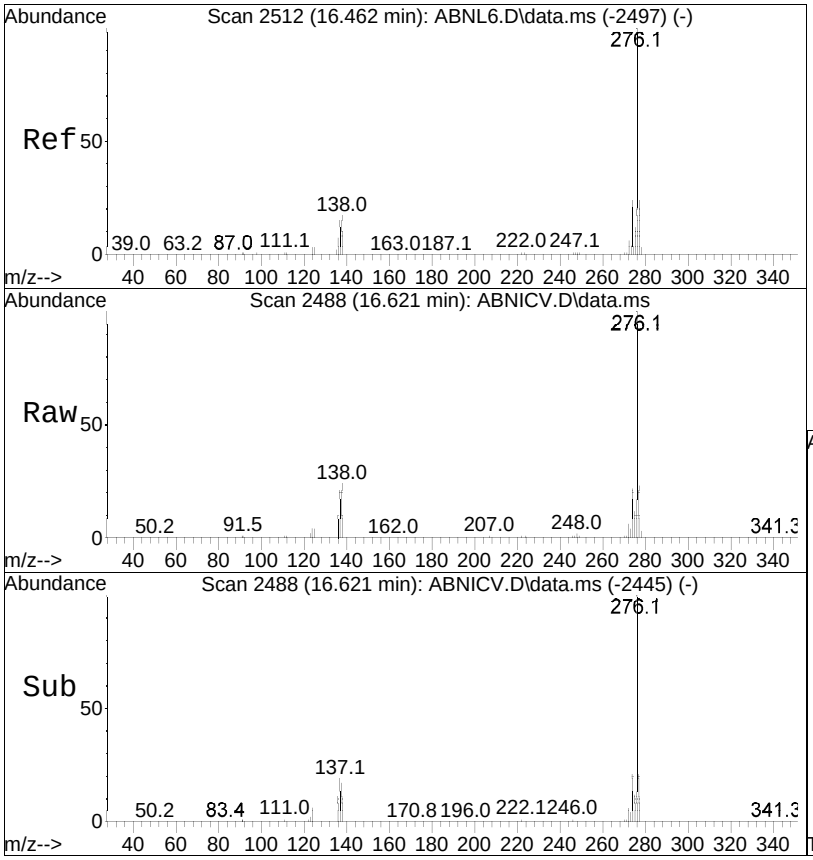


#115
Dibenzo(a,h)anthracene
Concen: 5.29 ug/ml
RT: 16.380 min Scan# 2447
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:278 Resp: 559514

Ion	Ratio	Lower	Upper
278	100		
139	17.3	20.8	31.2#
279	23.3	18.3	27.5

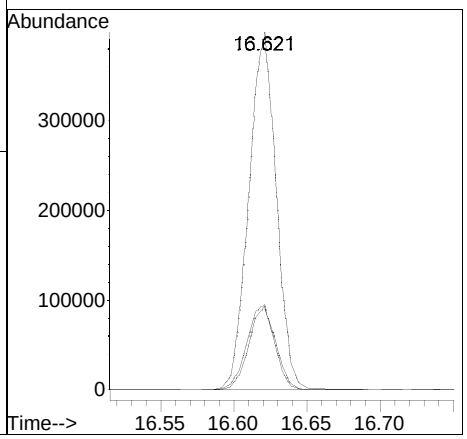




#116
Benzo(ghi)perylene
Concen: 5.18 ug/ml
RT: 16.621 min Scan# 2488
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:276 Resp: 513605

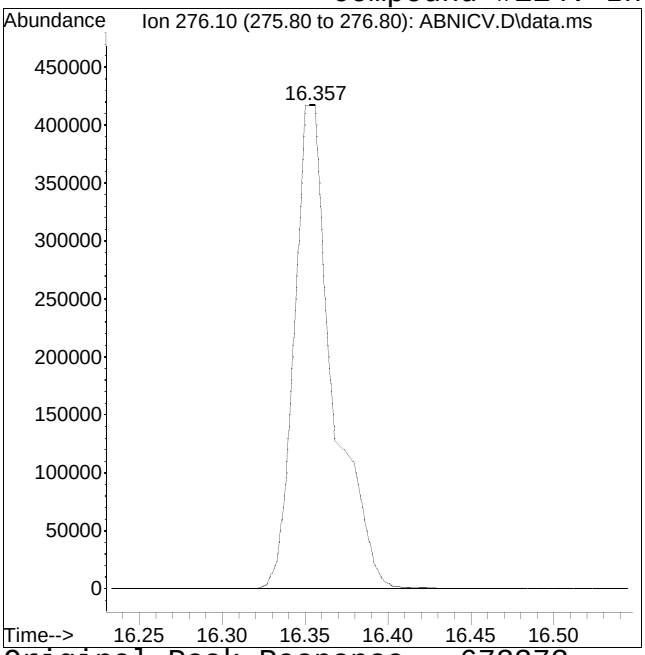
Ion	Ratio	Lower	Upper
276	100		
138	24.1	29.2	43.8#
277	23.2	18.8	28.2



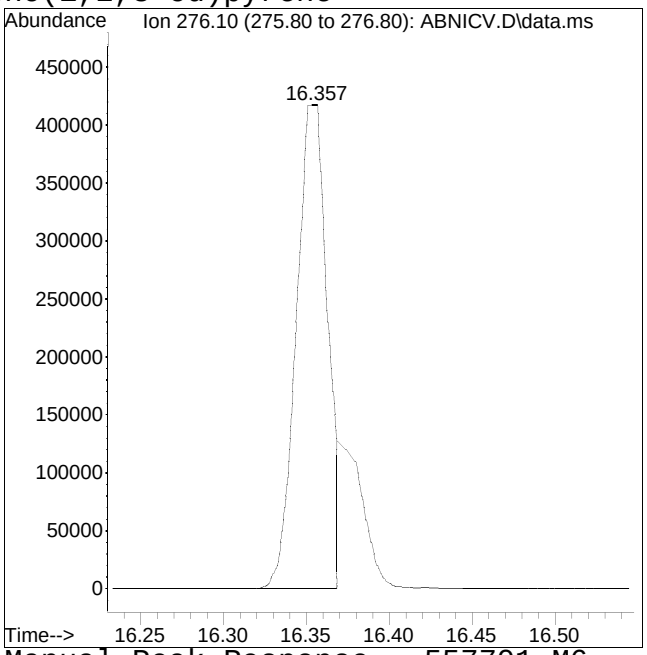
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNICV.D Operator : SV106:HNY
Date Inj'd : 10/10/2024 3:13 am Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 110Quant Date : 10/16/2024 5:40 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 673373



Manual Peak Response = 557701 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9ICV.D
Acq On : 10 Oct 2024 3:37 am
Operator : SV106:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11032
Misc : WG1984388
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 12:12:14 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 12:10:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
28	T	Benzaldehyde	0.948	1.108	-16.9	116	0.00
29	T	Acetophenone	1.829	1.945	-6.3	110	0.00
30	T	m-Toluidine	1.612	1.865	-15.7	117	0.00
31	T	2-Chloroaniline	1.609	1.740	-8.1	107	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	102	0.00
56	T	a-Terpineol	0.282	0.298	-5.7	109	0.00
57	T	3-Chloroaniline	0.132	0.150	-13.6	109	0.00
58	T	2,6-Dichlorophenol	0.300	0.327	-9.0	108	0.00
59	T	1-chloro-2-nitrobenzene	0.145	0.158	-9.0	110	0.00
60	T	Caprolactam	0.147	0.159	-8.2	108	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.402	0.422	-5.0	108	0.00
62	T	Biphenyl	0.907	0.959	-5.7	106	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
84	T	Dichloran	0.181	0.188	-3.9	109	0.00
85	T	Pentachloronitrobenzene	0.193	0.202	-4.7	105	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	100	0.00
99	T	Diphenamid	0.505	0.546	-8.1	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9ICV.D
Acq On : 10 Oct 2024 3:37 am
Operator : SV106:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11032
Misc : WG1984388
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 12:12:14 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 12:10:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.604	152	69862	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery =	101.87%		
55) IS2_Naphthalene-d8	8.010	136	266878	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery =	102.21%		
83) IS2_Acenaphthene-d10	9.769	164	159521	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery =	103.60%		
98) IS2_Phenanthrene-d10	11.216	188	324327	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery =	100.04%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	96802	5.849	ug/ml	95
29) Acetophenone	7.087	105	169891	5.319	ug/ml#	80
30) m-Toluidine	7.187	106	162885	5.784	ug/ml	95
31) 2-Chloroaniline	7.587	127	151975	5.407	ug/ml#	92
56) a-Terpineol	8.075	59	99379	5.279	ug/ml#	83
57) 3-Chloroaniline	8.092	65	49908	5.646	ug/ml	97
58) 2,6-Dichlorophenol	8.122	162	109210	5.457	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.387	111	52627	5.425	ug/ml#	1
60) Caprolactam	8.422	55	53050	5.421	ug/ml#	67
61) 1,2,4,5-Tetrachloroben...	8.922	216	140652	5.246	ug/ml	97
62) Biphenyl	9.222	154	320073	5.290	ug/ml	99
84) Dichloran	10.904	206	37449	5.186	ug/ml#	70
85) Pentachloronitrobenzene	11.057	237	40333	5.233	ug/ml#	80
99) Diphenamid	12.116	167	221467	5.410	ug/ml#	79

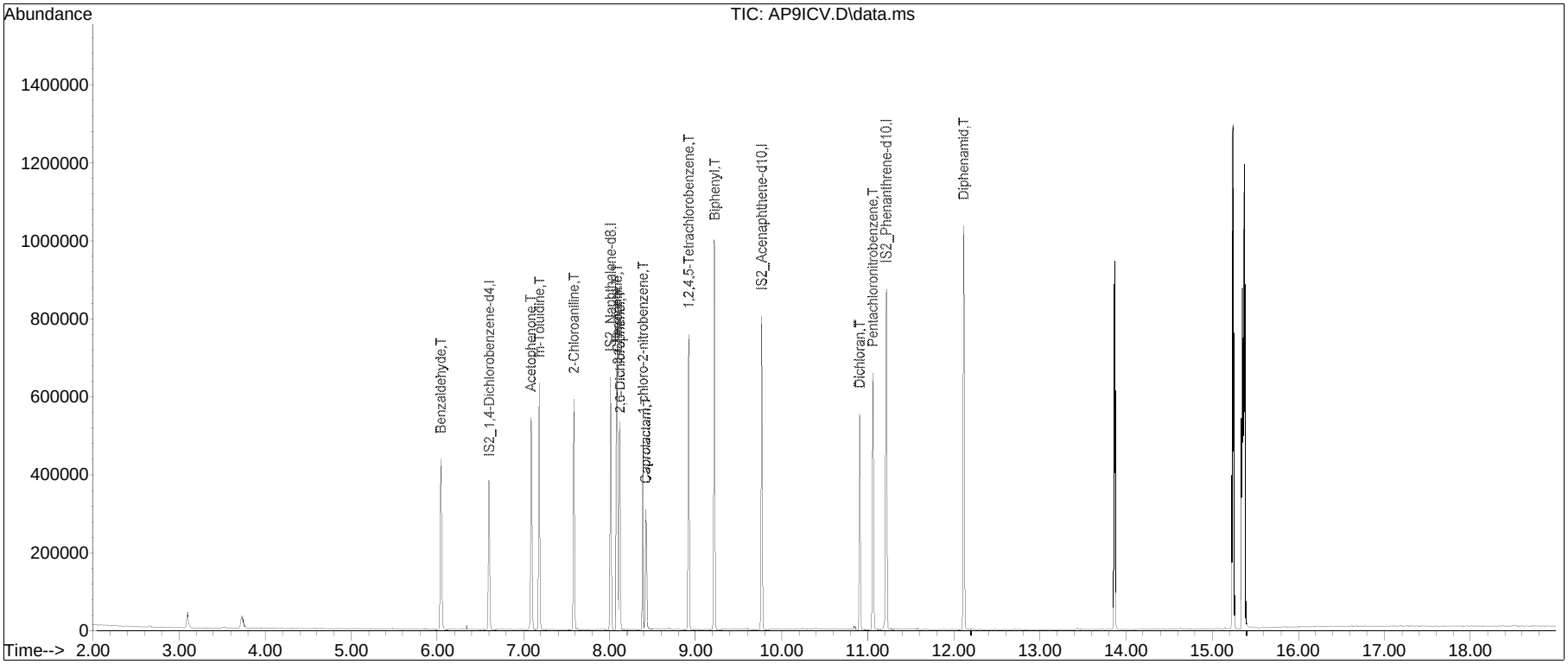
(#) = qualifier out of range (m) = manual integration (+) = signals summed

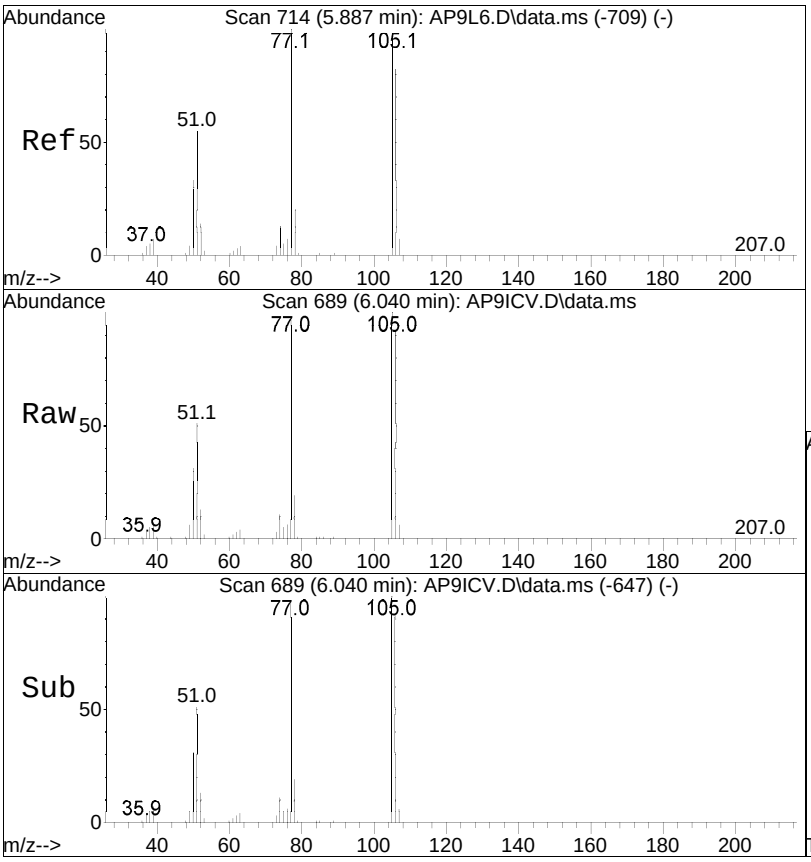
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9ICV.D
Acq On : 10 Oct 2024 3:37 am
Operator : SV106:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11032
Misc : WG1984388
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 12:12:14 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 12:10:20 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

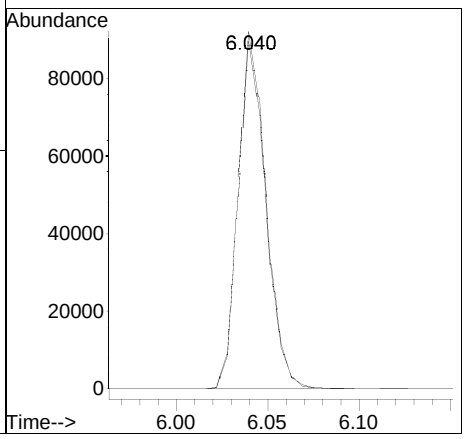


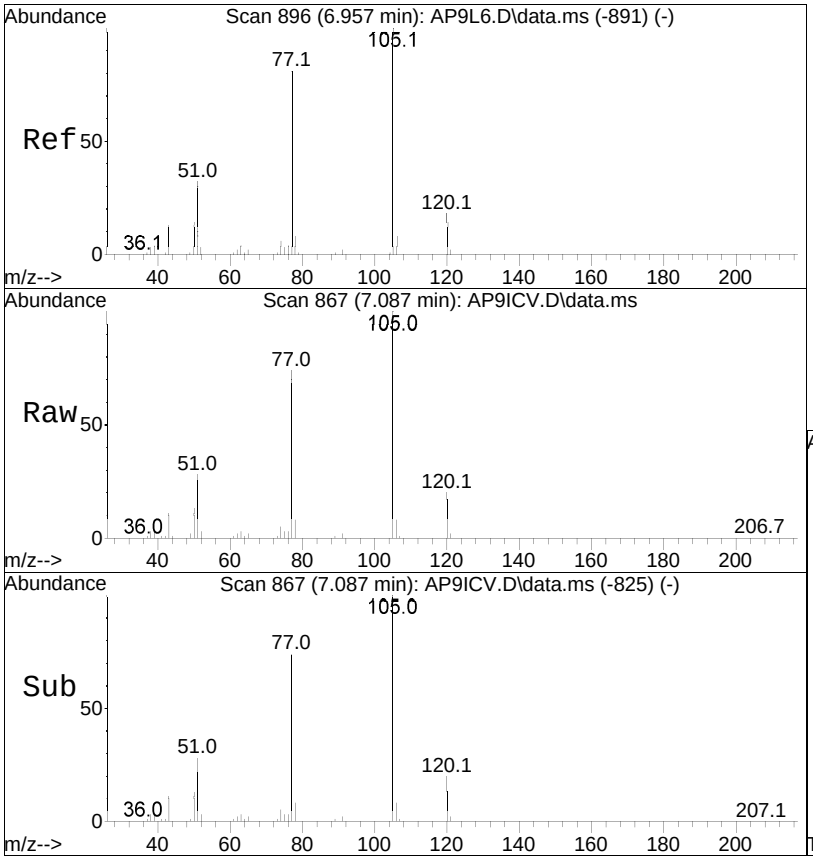


#28
Benzaldehyde
Concen: 5.85 ug/ml
RT: 6.040 min Scan# 689
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:105 Resp: 96802

Ion	Ratio	Lower	Upper
105	100		
77	97.3	82.2	123.4

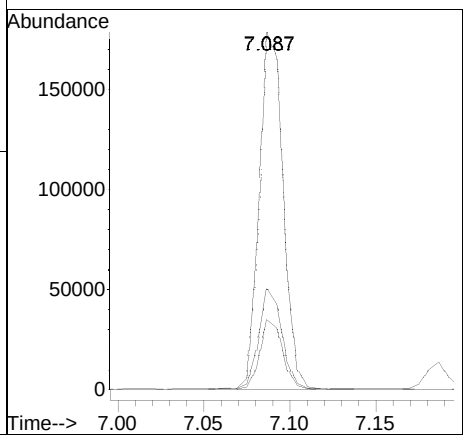


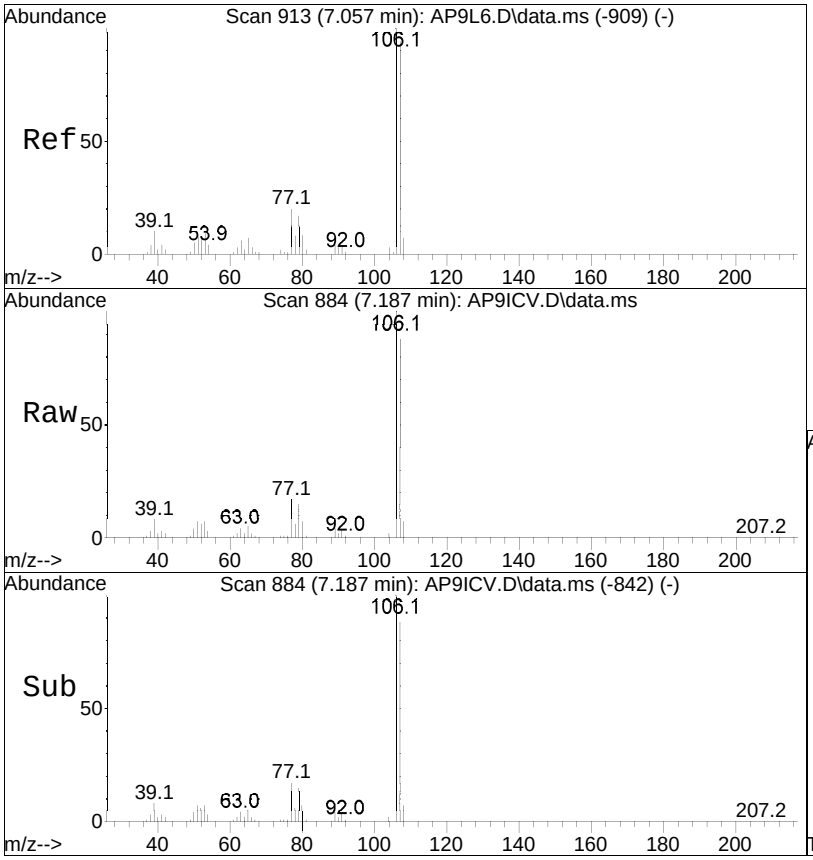


#29
Acetophenone
Concen: 5.32 ug/ml
RT: 7.087 min Scan# 867
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:105 Resp: 169891

Ion	Ratio	Lower	Upper
105	100		
120	18.9	20.5	30.7#
51	27.6	34.9	52.3#

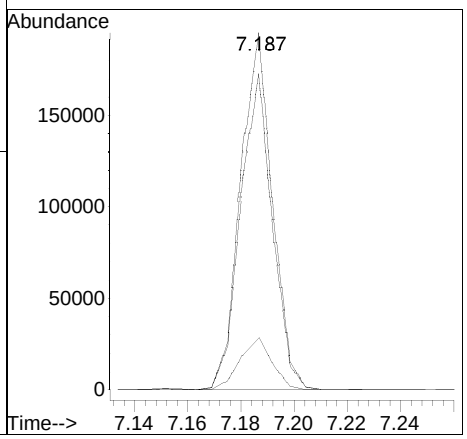


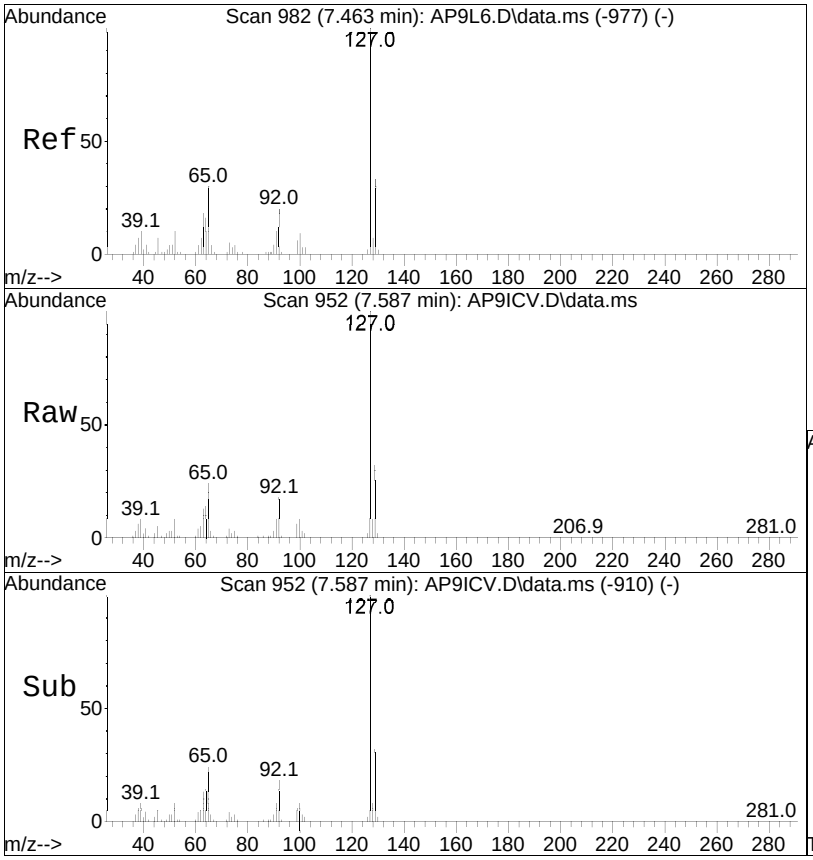


#30
m-Toluidine
Concen: 5.78 ug/ml
RT: 7.187 min Scan# 884
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:106 Resp: 162885

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	14.8	11.8	17.8

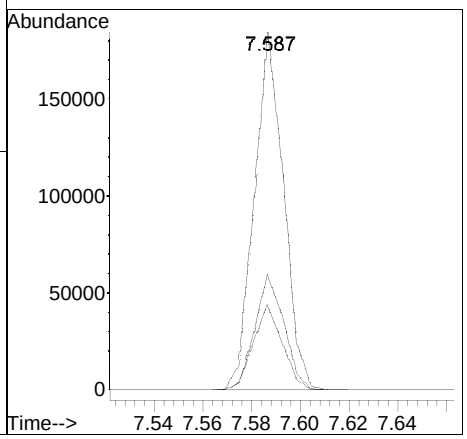


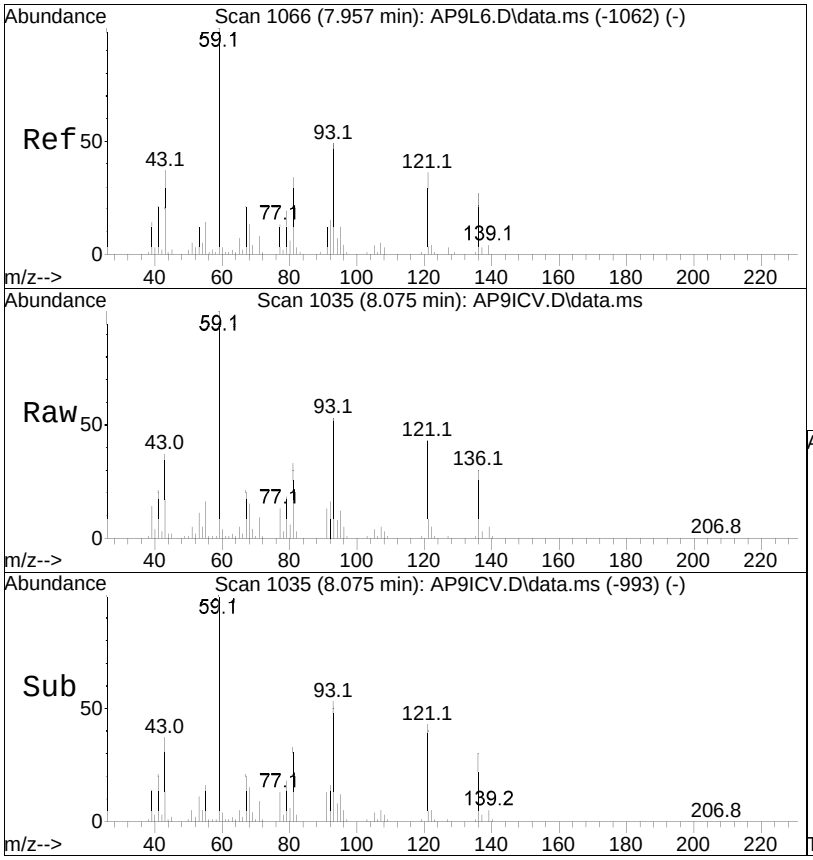


#31
2-Chloroaniline
Concen: 5.41 ug/ml
RT: 7.587 min Scan# 952
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:127 Resp: 151975

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	23.8	26.3	39.5#

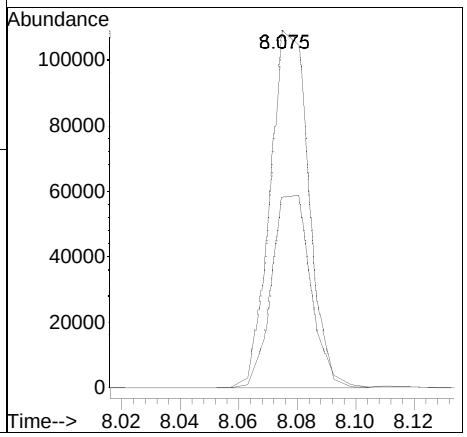


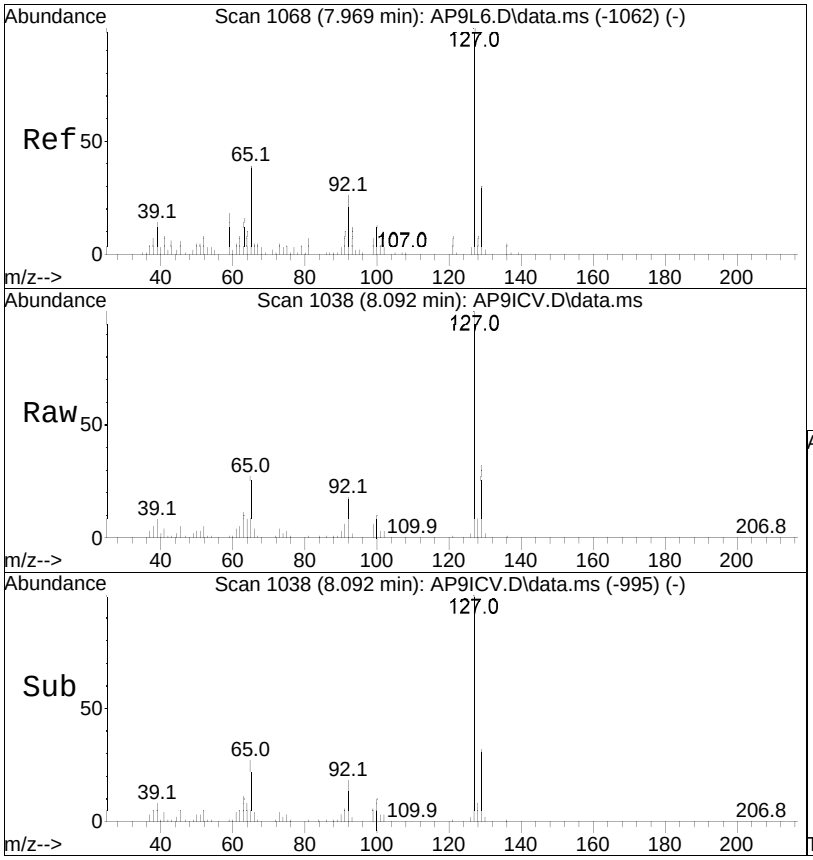


#56
a-Terpineol
Concen: 5.28 ug/ml
RT: 8.075 min Scan# 1035
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion: 59 Resp: 99379

Ion	Ratio	Lower	Upper
59	100		
93	55.7	35.6	53.4#

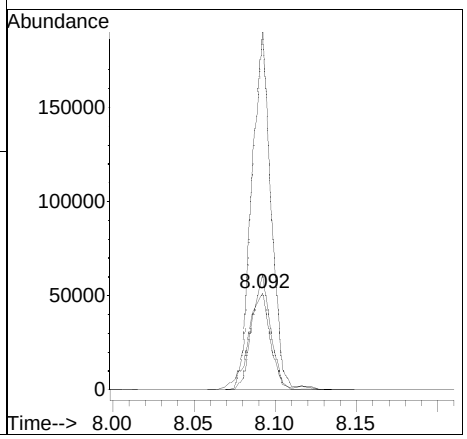


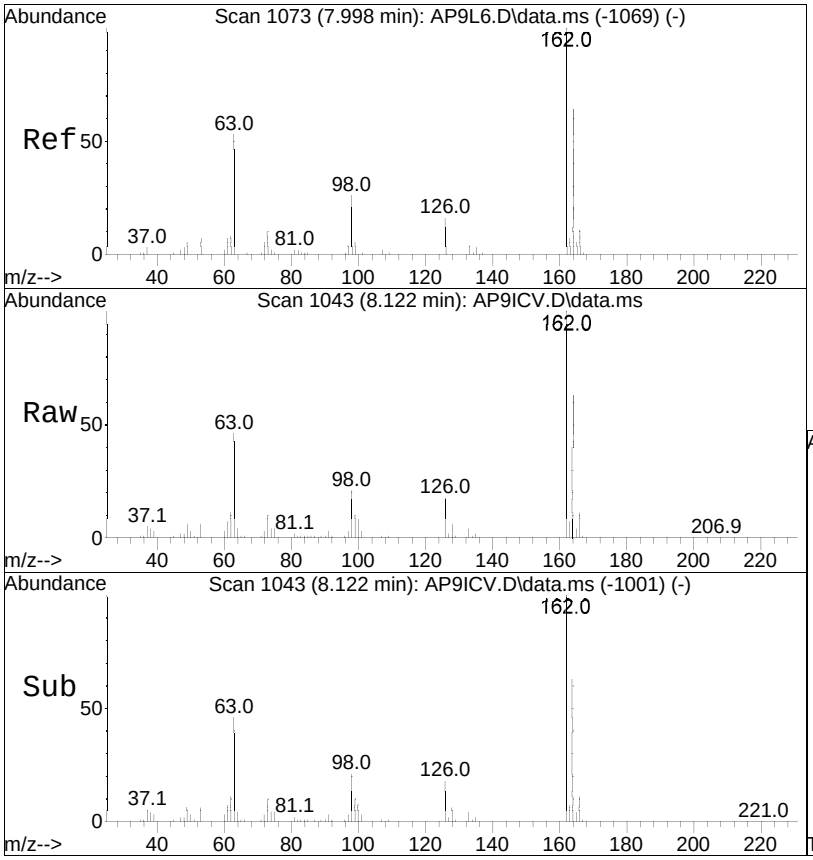


#57
3-Chloroaniline
Concen: 5.65 ug/ml
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion: 65 Resp: 49908

Ion	Ratio	Lower	Upper
65	100		
127	310.5	243.2	364.8
129	98.1	78.8	118.2

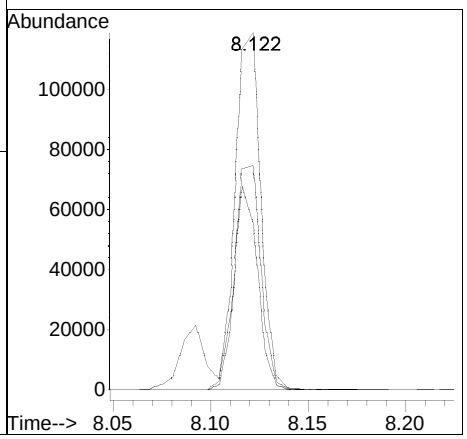


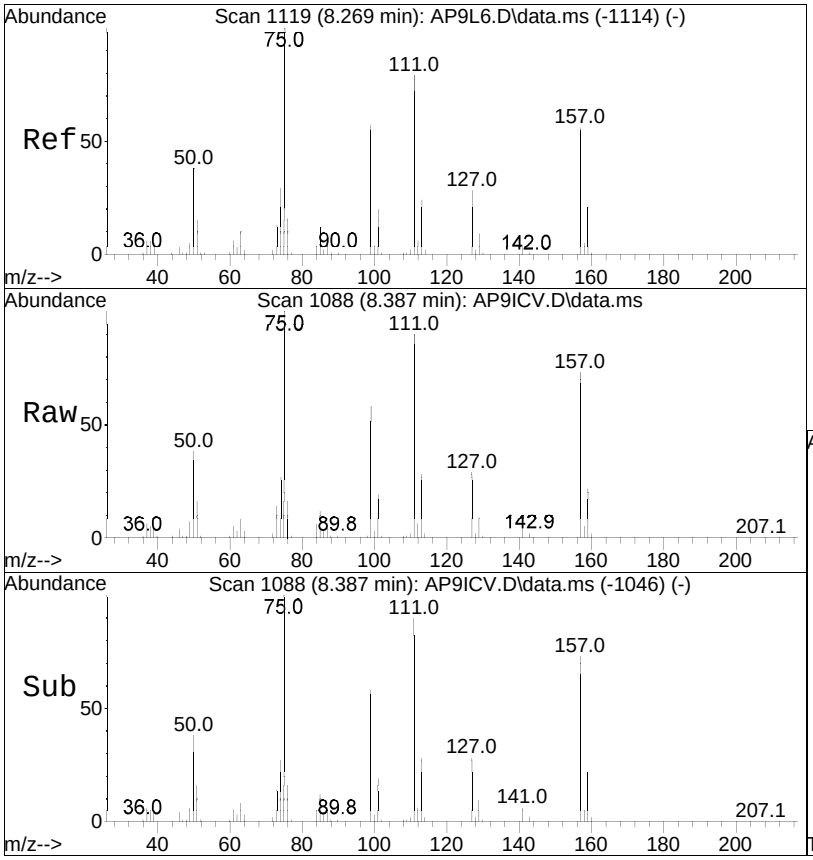


#58
2,6-Dichlorophenol
Concen: 5.46 ug/ml
RT: 8.122 min Scan# 1043
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:162 Resp: 109210

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.1	76.7
63	52.7	60.8	91.2#

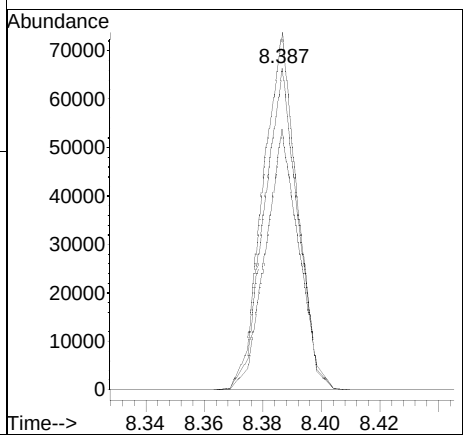


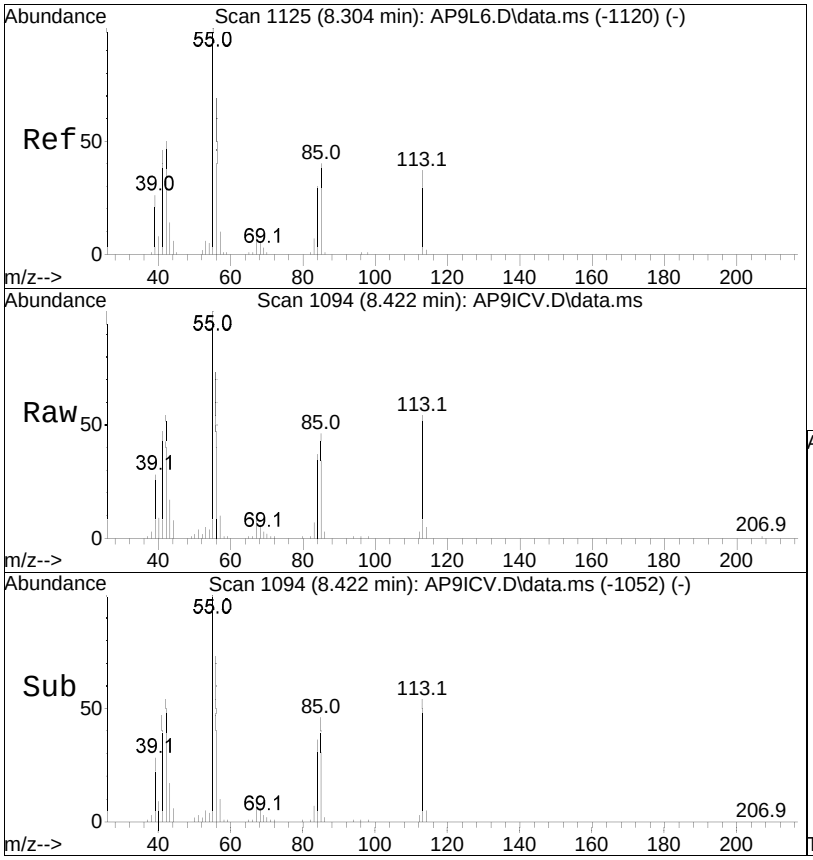


#59
1-chloro-2-nitrobenzene
Concen: 5.42 ug/ml
RT: 8.387 min Scan# 1088
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:111 Resp: 52627

Ion	Ratio	Lower	Upper
111	100		
157	80.3	0.0	0.0#
75	112.7	28.2	42.2#

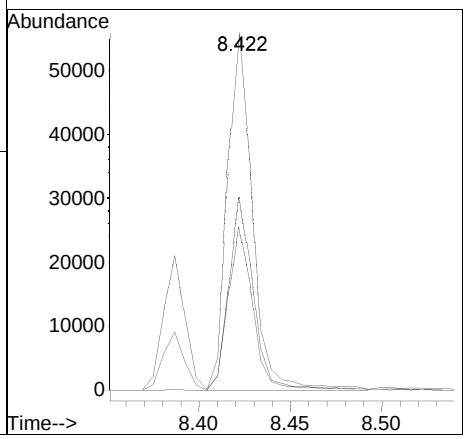


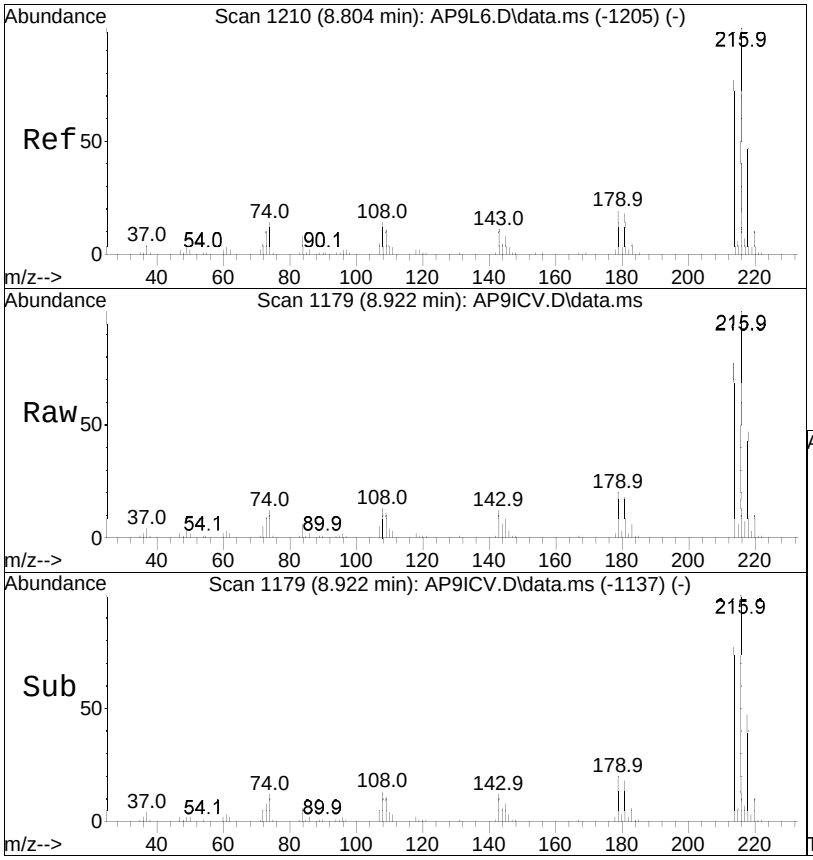


#60
Caprolactam
Concen: 5.42 ug/ml
RT: 8.422 min Scan# 1094
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion: 55 Resp: 53050

Ion	Ratio	Lower	Upper
55	100		
85	45.3	19.8	29.6#
113	53.3	29.6	44.4#

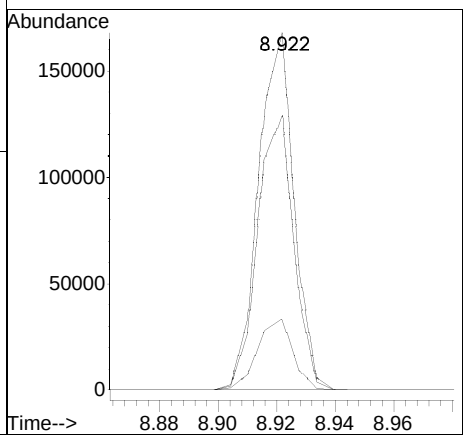


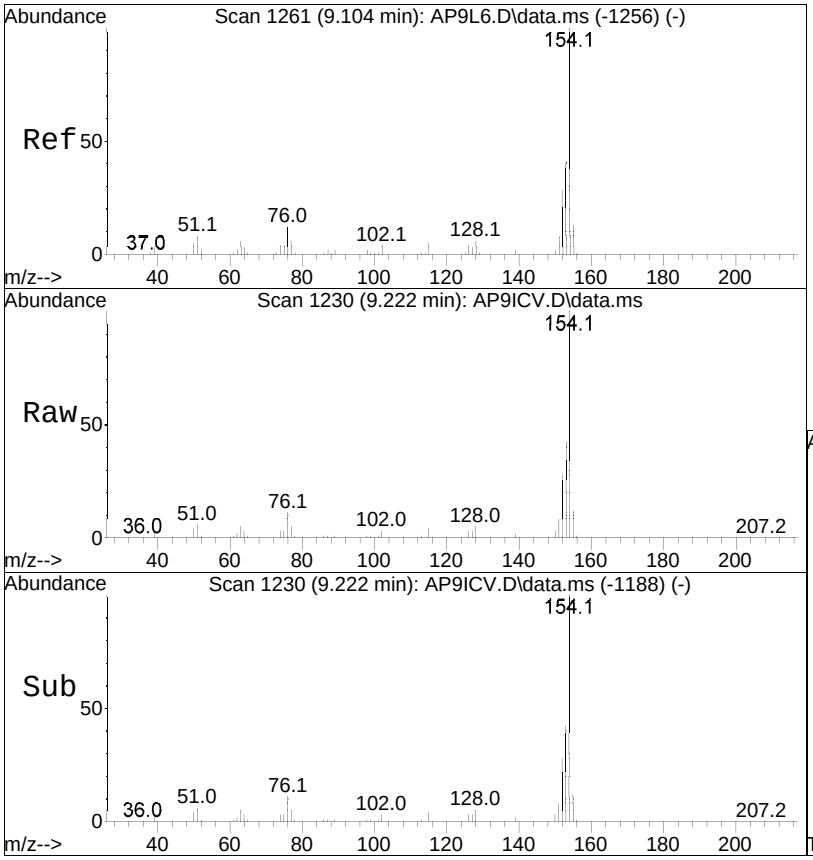


#61
1,2,4,5-Tetrachlorobenzene
Concen: 5.25 ug/ml
RT: 8.922 min Scan# 1179
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:216 Resp: 140652

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.7	95.5
179	20.0	19.0	28.6

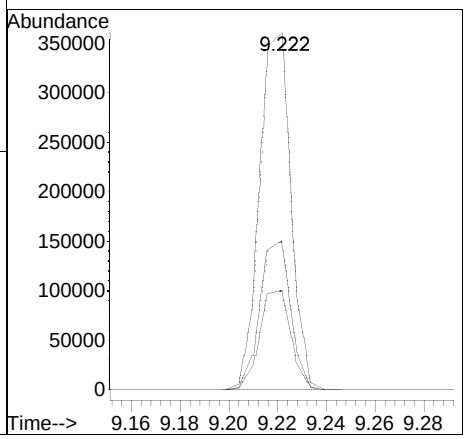


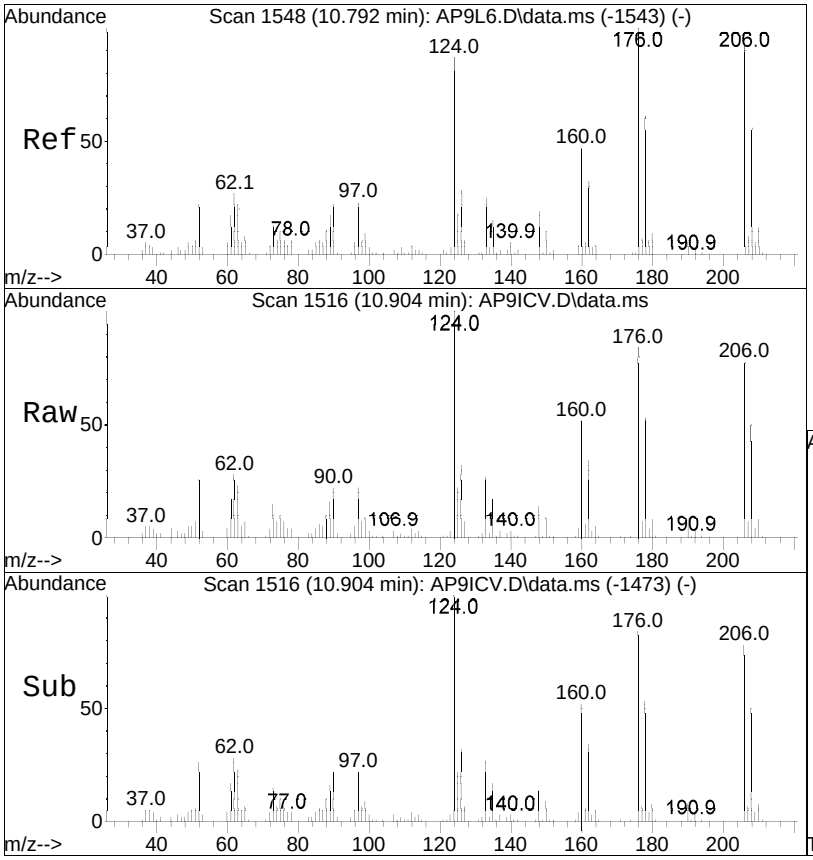


#62
Biphenyl
Concen: 5.29 ug/ml
RT: 9.222 min Scan# 1230
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:154 Resp: 320073

Ion	Ratio	Lower	Upper
154	100		
153	41.1	32.3	48.5
152	28.1	22.5	33.7

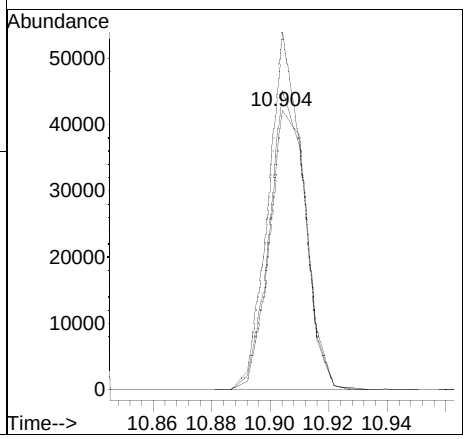


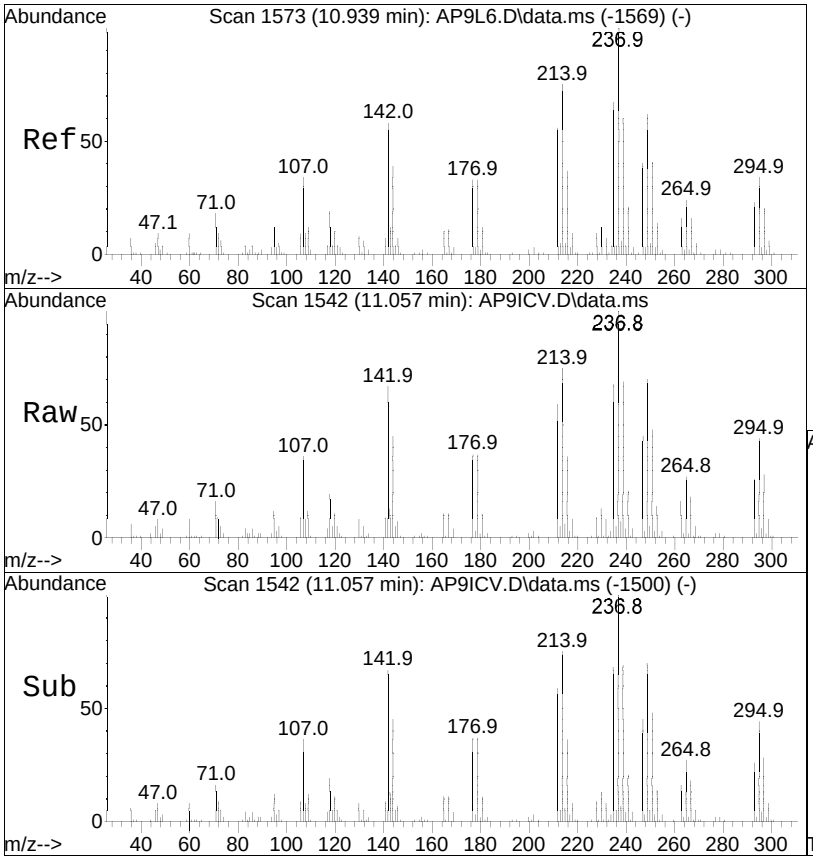


#84
Dichloran
Concen: 5.19 ug/ml
RT: 10.904 min Scan# 1516
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:206 Resp: 37449

Ion	Ratio	Lower	Upper
206	100		
176	103.2	104.6	157.0#
124	116.2	130.5	195.7#

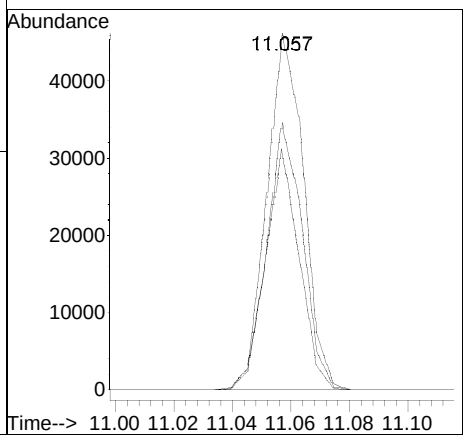


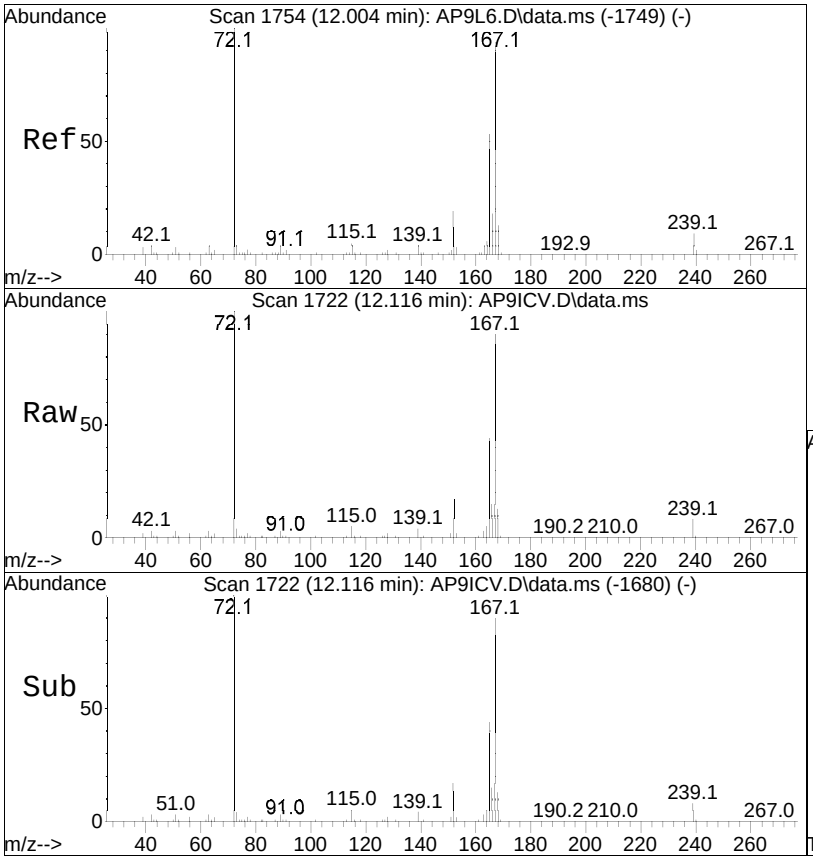


#85
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 11.057 min Scan# 1542
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:237 Resp: 40333

Ion	Ratio	Lower	Upper
237	100		
142	62.1	77.0	115.4#
214	72.7	58.2	87.4

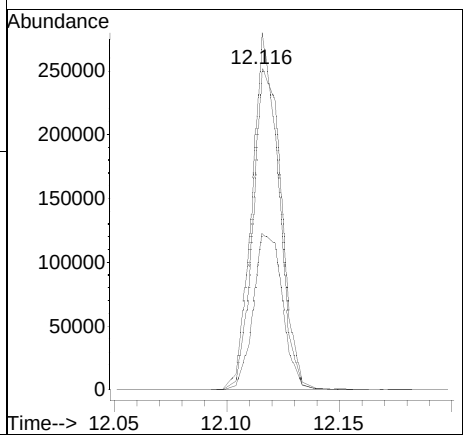




#99
Diphenamid
Concen: 5.41 ug/ml
RT: 12.116 min Scan# 1722
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:167 Resp: 221467

Ion	Ratio	Lower	Upper
167	100		
72	103.0	109.7	164.5#
165	50.2	41.8	62.6



Manual Integration Report

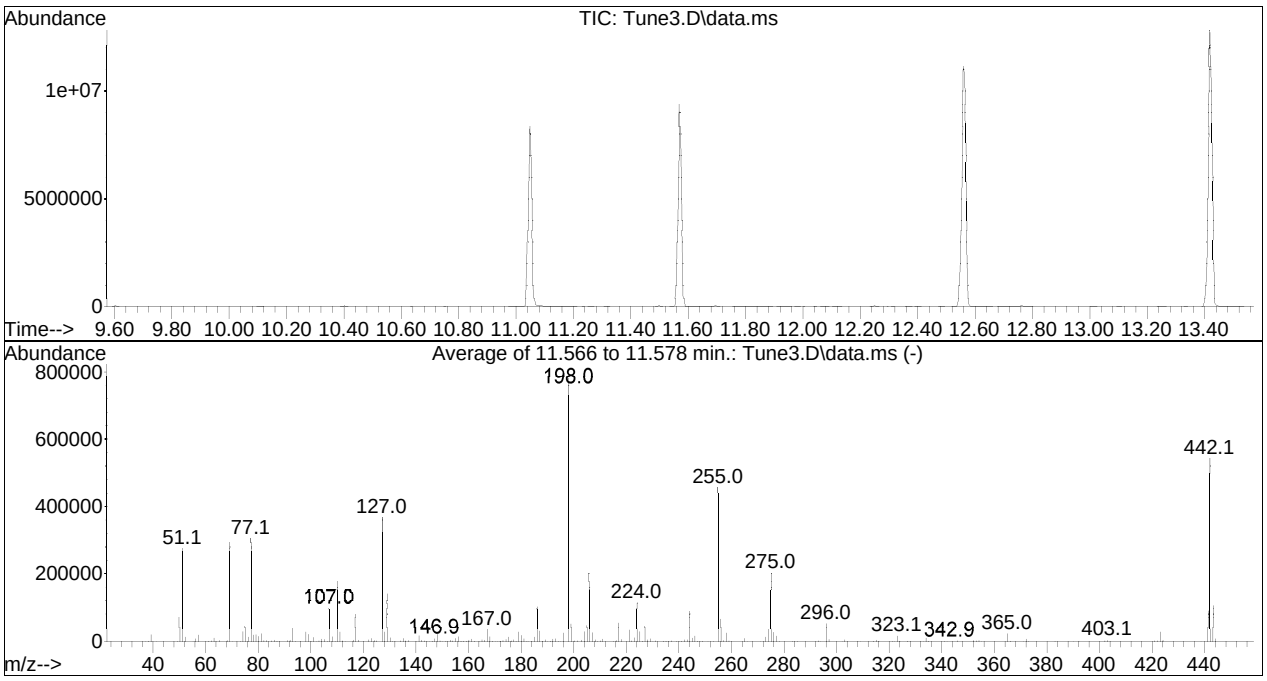
Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9ICV.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 3:37 am	Instrument	: SV 106
Sample	: CQICV2,32,,AP9ICV Lot# 110	Quant Date	: 10/11/2024 12:13 pm

There are no manual integrations or false positives in this file.

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Oct 11 18:38:05 2024



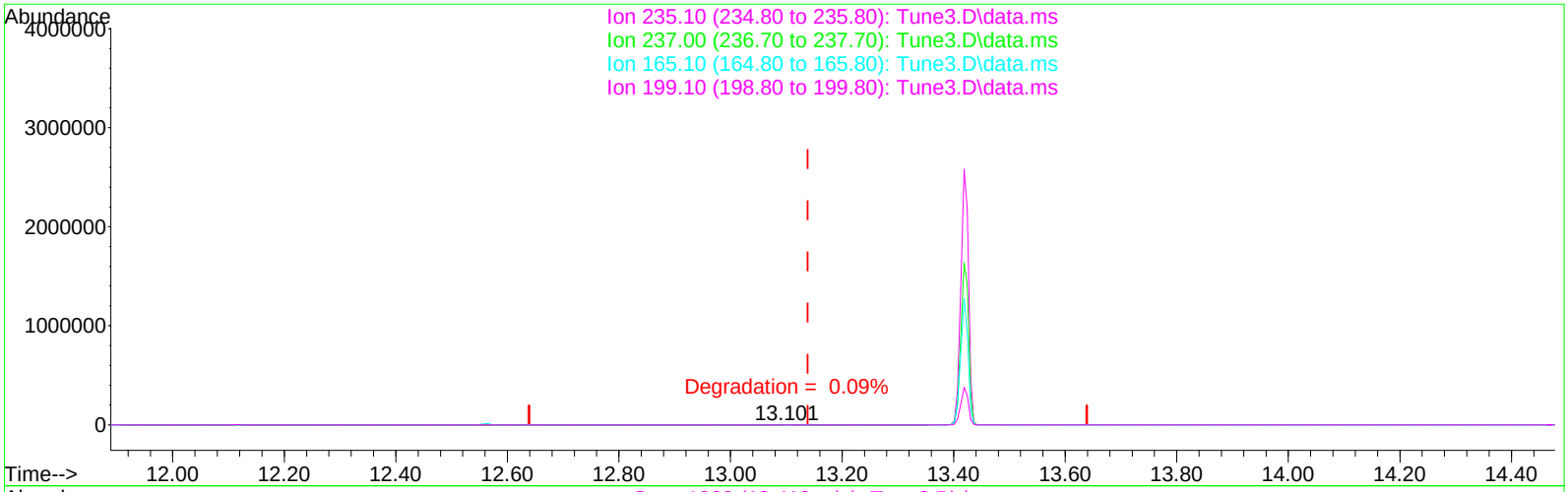
Spectrum Information: Average of 11.566 to 11.578 min.

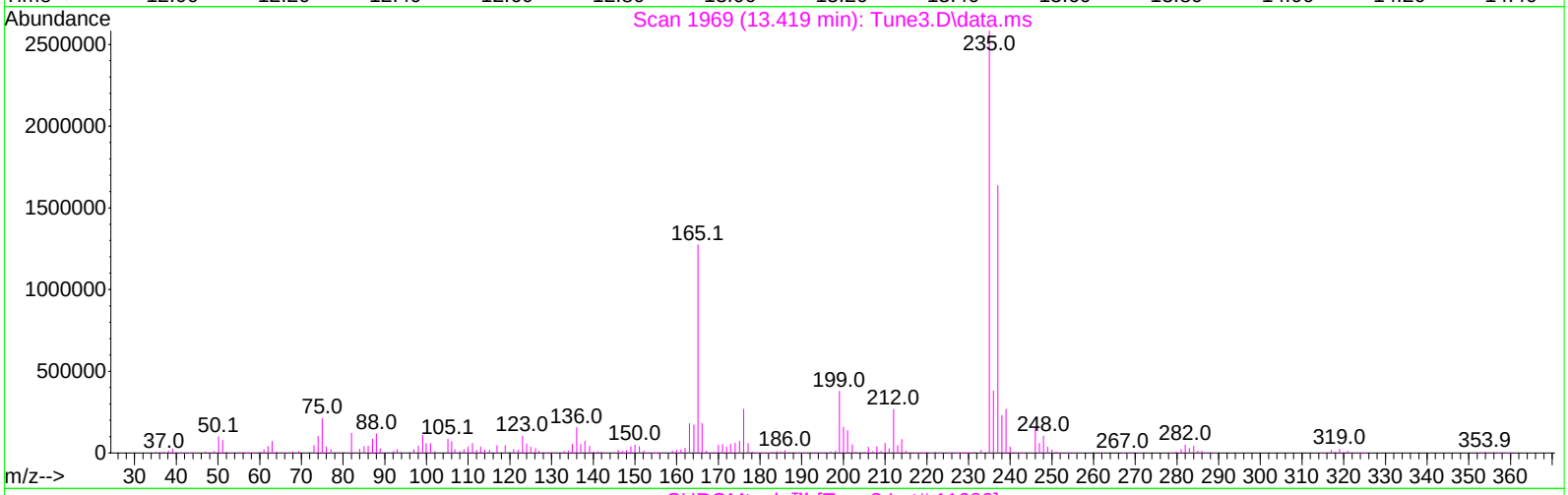
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.1	274715	PASS
68	69	0.00	2	1.6	4747	PASS
69	69	100	100	100.0	292965	PASS
70	69	0.00	2	0.5	1381	PASS
127	198	10	80	46.8	365867	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	782443	PASS
199	198	5	9	6.7	52056	PASS
275	198	10	60	25.8	202091	PASS
365	198	1	100	2.9	22768	PASS
441	442	0.01	24	16.5	89168	PASS
442	198	50	100	69.1	541013	PASS
443	442	15	24	19.3	104563	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 11 17:51:31 2024
Quant Method : I:\8270\SV106\241011RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 17:52:57 2024
Response via : Initial Calibration





CHROMtools™ [Tune3 Lot# 11080]

(6) DDT (T)

13.419min (+ 0.280) 405.47

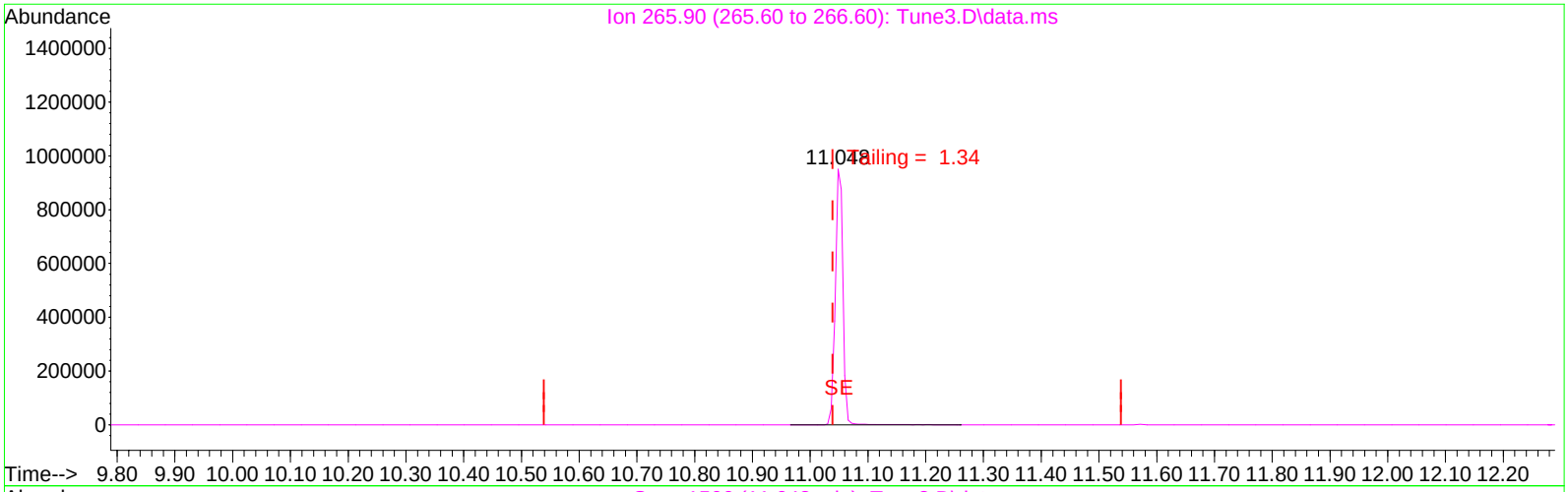
response 2471615

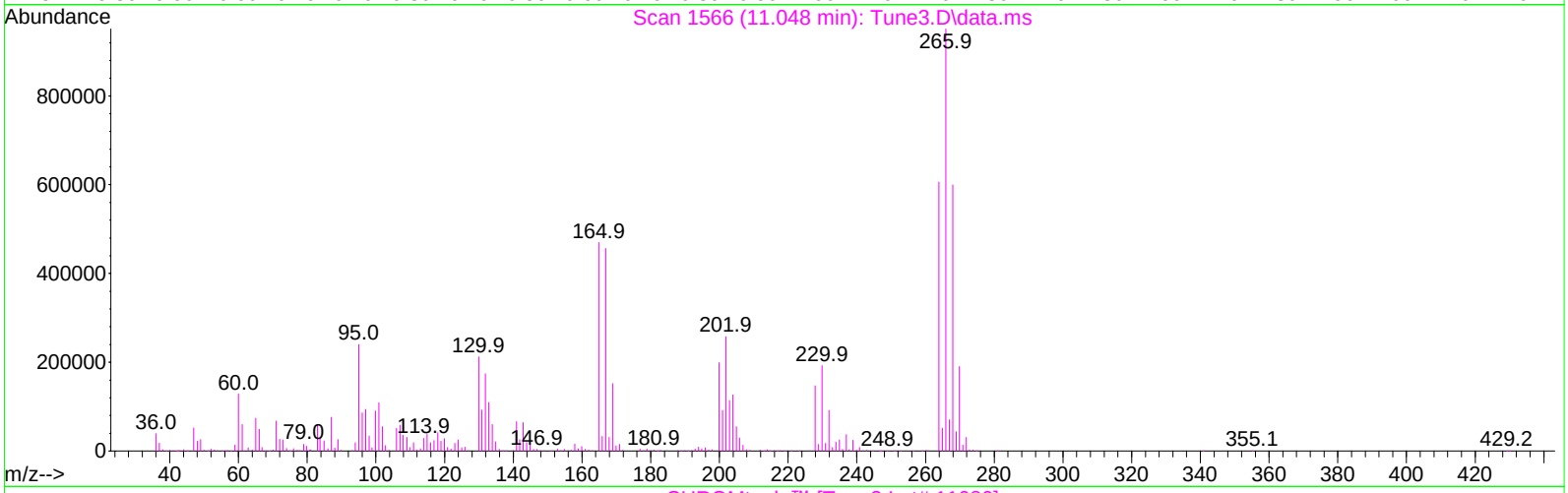
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	63.99
165.10	44.50	47.29
199.10	14.80	14.26

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 11 17:51:31 2024
Quant Method : I:\8270\SV106\241011RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 17:52:57 2024
Response via : Initial Calibration





CHROMtools™ [Tune3 Lot# 11080]

(1) Pentachlorophenol (T)

11.048min (+ 0.009) 420.41

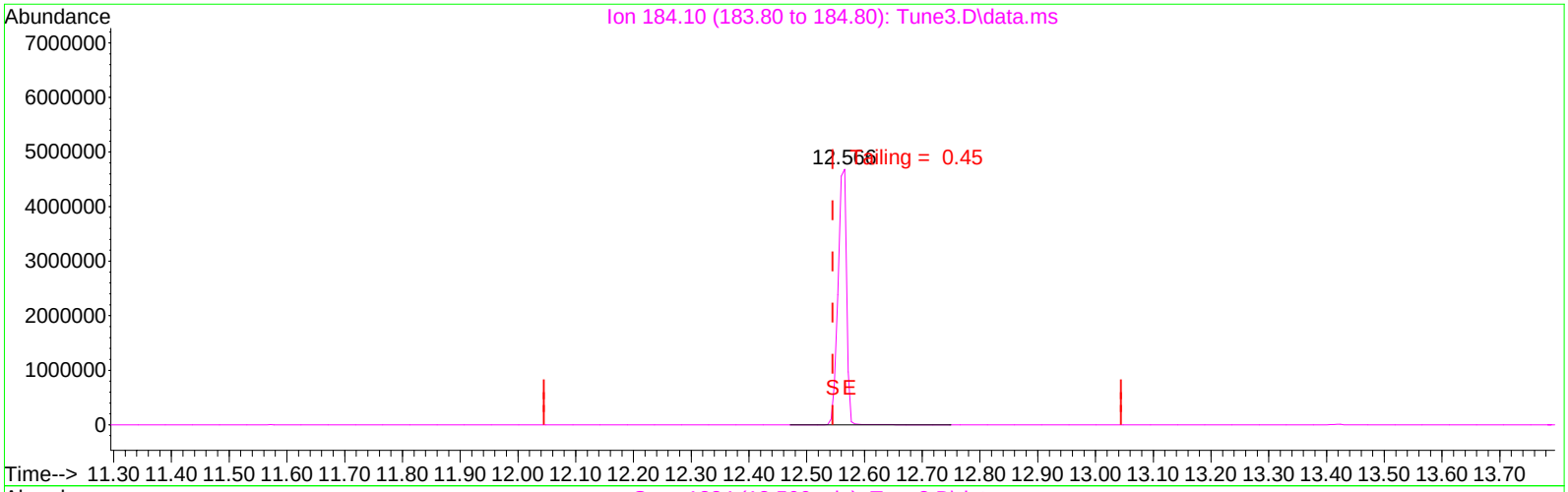
response 883002

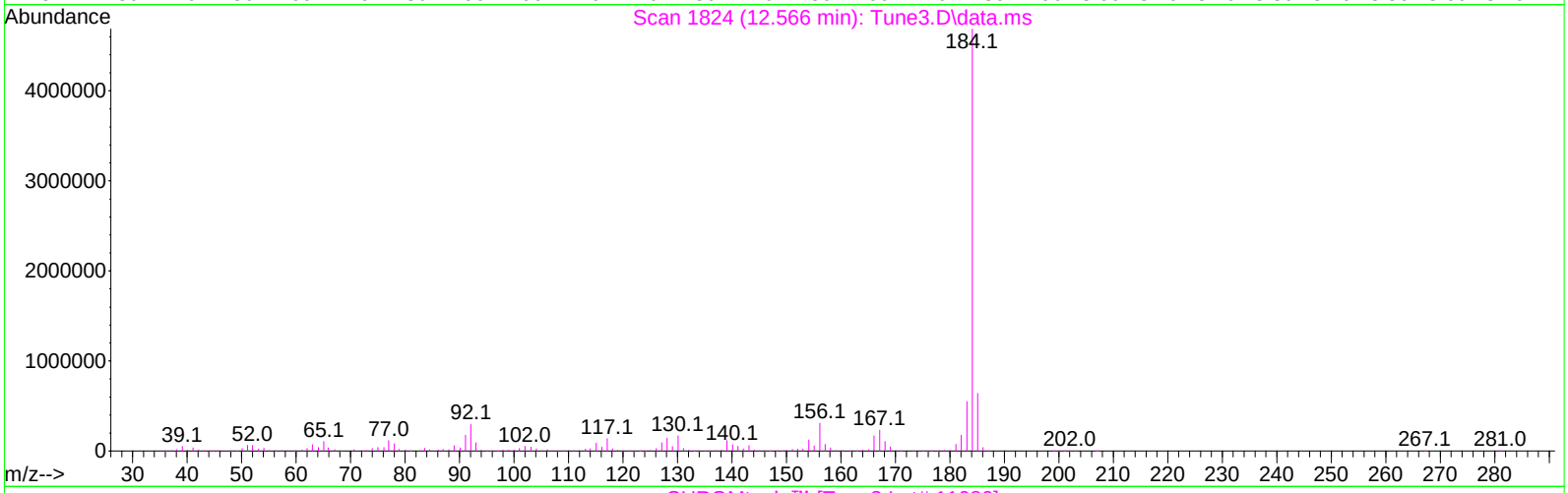
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 11 17:51:31 2024
Quant Method : I:\8270\SV106\241011RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 17:52:57 2024
Response via : Initial Calibration





CHROMtools™ [Tune3 Lot# 11080]

(3) Benzidine (T)

12.566min (+ 0.021) 470.83

response 4793063

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL9.D
Acq On : 11 Oct 2024 12:44 pm
Operator : SV106:HNY
Sample : IL2,32,,ADPL50 Lot# 11022
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 18:38:42 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	77314	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	92.07%		
86) IS3_Acenaphthene-d10	9.772	164	172330	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	97.09%		
100) IS3_Phenanthrene-d10	11.213	188	347488	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	98.21%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.008	88	449898	47.947	ug/ml#	74
34) n-Decane	6.490	57	1465533	51.028	ug/ml#	42
87) Atrazine	10.989	200	995667	55.687	ug/ml	95
101) n-Octadecane	11.183	57	2256366	53.507	ug/ml#	1
102) Parathion	12.007	109	681058	49.562	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.307	212	4168031	58.458	ug/ml	99

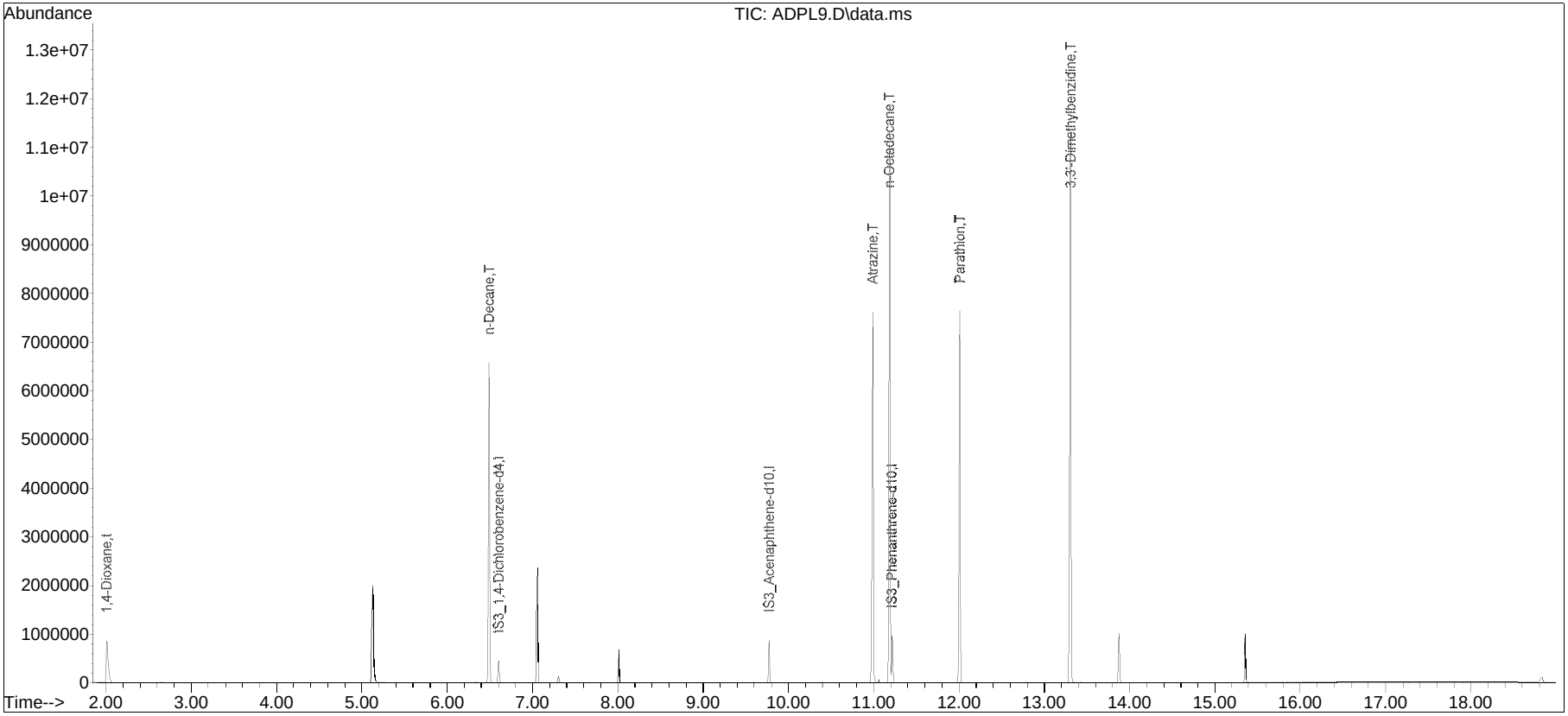
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL9.D
Acq On : 11 Oct 2024 12:44 pm
Operator : SV106:HNY
Sample : IL2,32,,ADPL50 Lot# 11022
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 18:38:42 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL9.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 12:44 pm	Instrument	: SV 106
Sample	: IL2,32,,ADPL50 Lot# 11022	Quant Date	: 10/11/2024 6:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL8.D
Acq On : 11 Oct 2024 1:07 pm
Operator : SV106:HNY
Sample : IL3,32,,ADPL25 Lot# 11023
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:38:31 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	79483	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	94.65%		
86) IS3_Acenaphthene-d10	9.772	164	171838	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	96.81%		
100) IS3_Phenanthrene-d10	11.213	188	349936	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	98.90%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.013	88	226490	23.479	ug/ml#	75
34) n-Decane	6.489	57	729617	24.711	ug/ml#	42
87) Atrazine	10.983	200	485050	27.206	ug/ml	96
101) n-Octadecane	11.183	57	1120938	26.396	ug/ml#	1
102) Parathion	12.001	109	317731	26.192	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.301	212	2096004	29.191	ug/ml	99

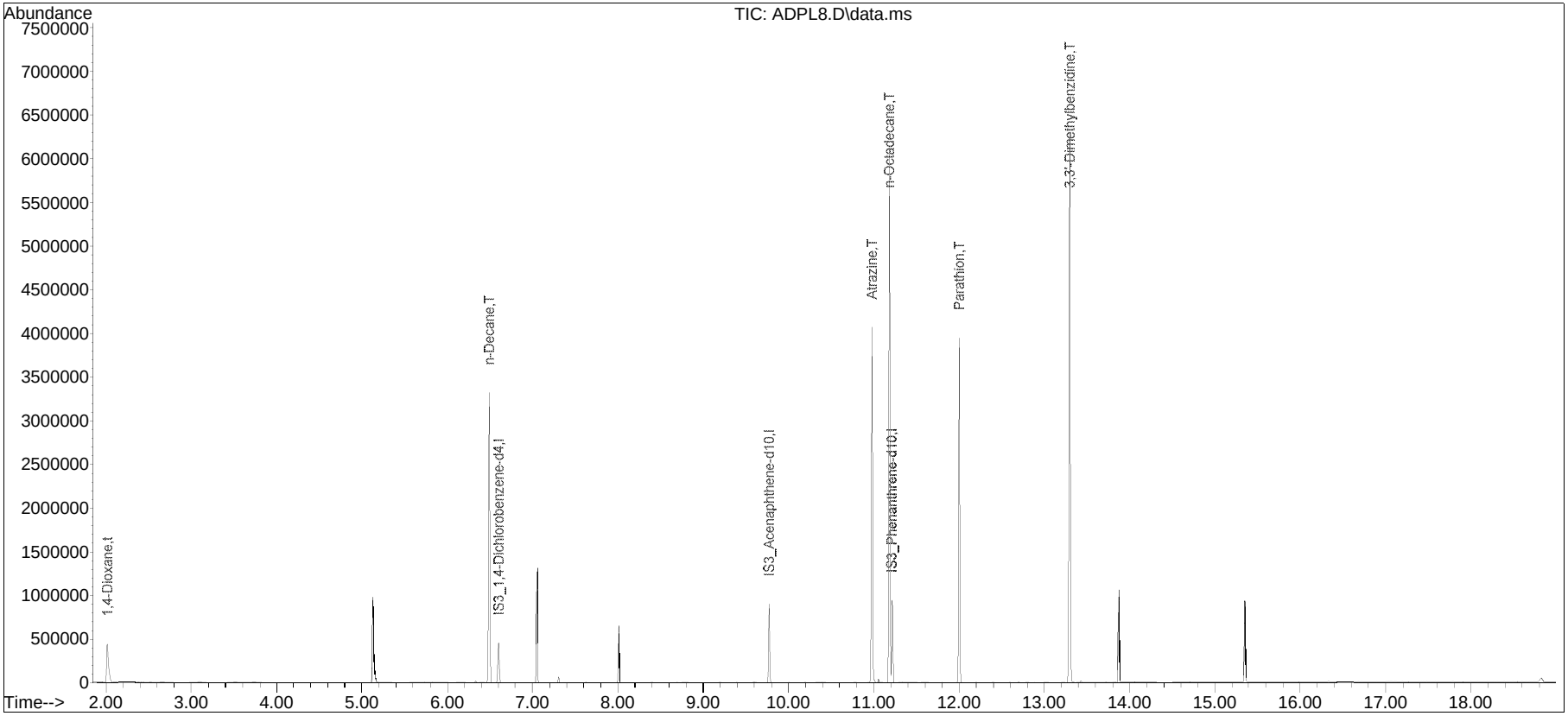
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL8.D
Acq On : 11 Oct 2024 1:07 pm
Operator : SV106:HNY
Sample : IL3,32,,ADPL25 Lot# 11023
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:38:31 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL8.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 1:07 pm	Instrument	: SV 106
Sample	: IL3,32,,ADPL25 Lot# 11023	Quant Date	: 10/11/2024 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL7.D
Acq On : 11 Oct 2024 1:31 pm
Operator : SV106:HNY
Sample : IL4,32,,ADPL10 Lot# 11024
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 18:38:20 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	79632	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 94.83%			
86) IS3_Acenaphthene-d10	9.772	164	168371	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 94.86%			
100) IS3_Phenanthrene-d10	11.213	188	340889	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 96.34%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.013	88	91898	9.509	ug/ml#	76
34) n-Decane	6.489	57	296110	10.010	ug/ml#	42
87) Atrazine	10.977	200	177424	10.156	ug/ml	95
101) n-Octadecane	11.183	57	427042	10.323	ug/ml#	1
102) Parathion	12.001	109	106886	10.070	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.295	212	763576	10.917	ug/ml	99

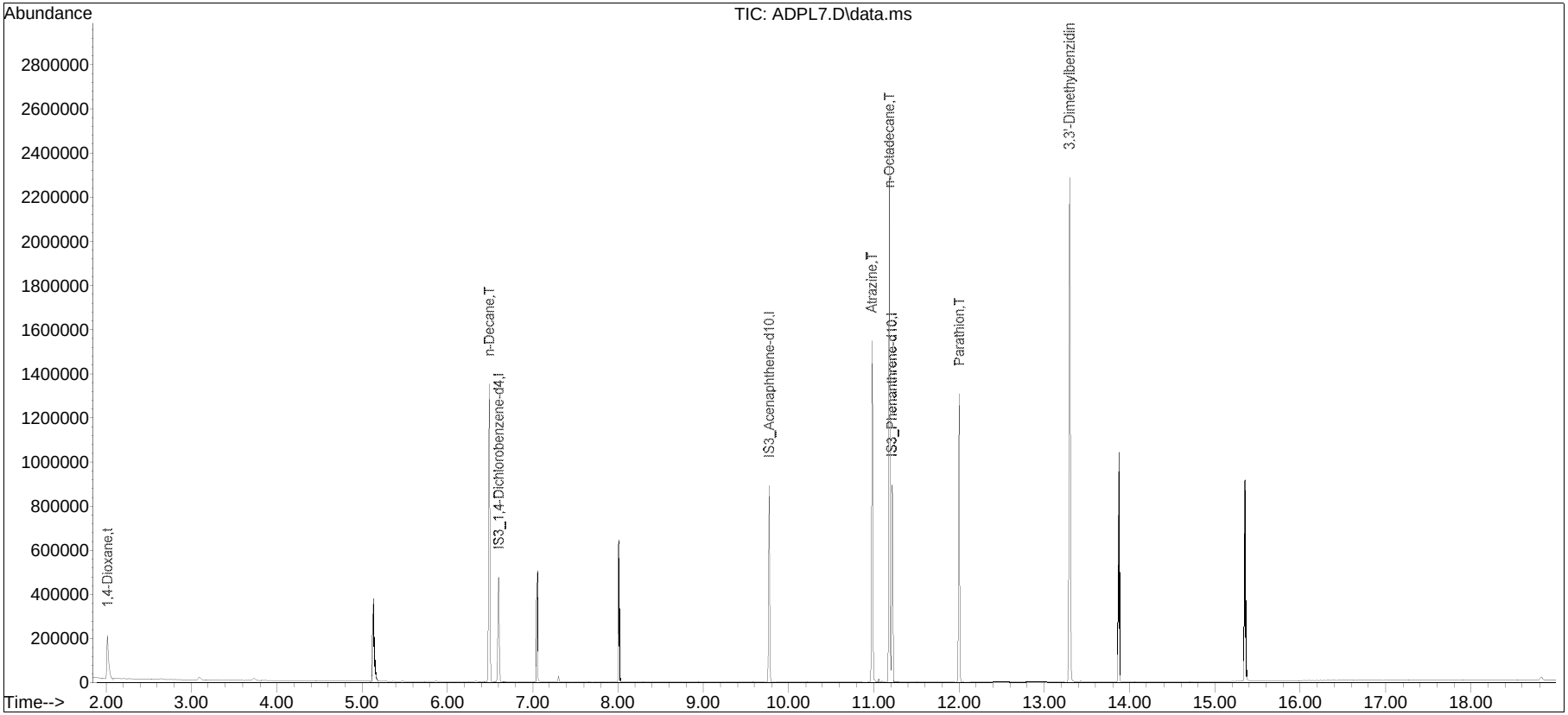
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL7.D
Acq On : 11 Oct 2024 1:31 pm
Operator : SV106:HNY
Sample : IL4,32,,ADPL10 Lot# 11024
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 18:38:20 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



FS241009SV106.m Tue Oct 15 09:32:27 2024 Page: 2

Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL7.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 1:31 pm	Instrument	: SV 106
Sample	: IL4,32,,ADPL10 Lot# 11024	Quant Date	: 10/11/2024 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL6.D
Acq On : 11 Oct 2024 1:55 pm
Operator : SV106:HNY
Sample : IL5,32,,ADPL5 Lot# 11025
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 18:38:09 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	83977	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	9.772	164	177498	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	11.213	188	353826	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.013	88	41456	4.068	ug/ml#	73
34) n-Decane	6.490	57	133134	4.268	ug/ml#	42
87) Atrazine	10.978	200	87448	4.748	ug/ml	95
101) n-Octadecane	11.183	57	213685	4.976	ug/ml#	1
102) Parathion	11.995	109	45931	4.395	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.295	212	330565	4.553	ug/ml	99

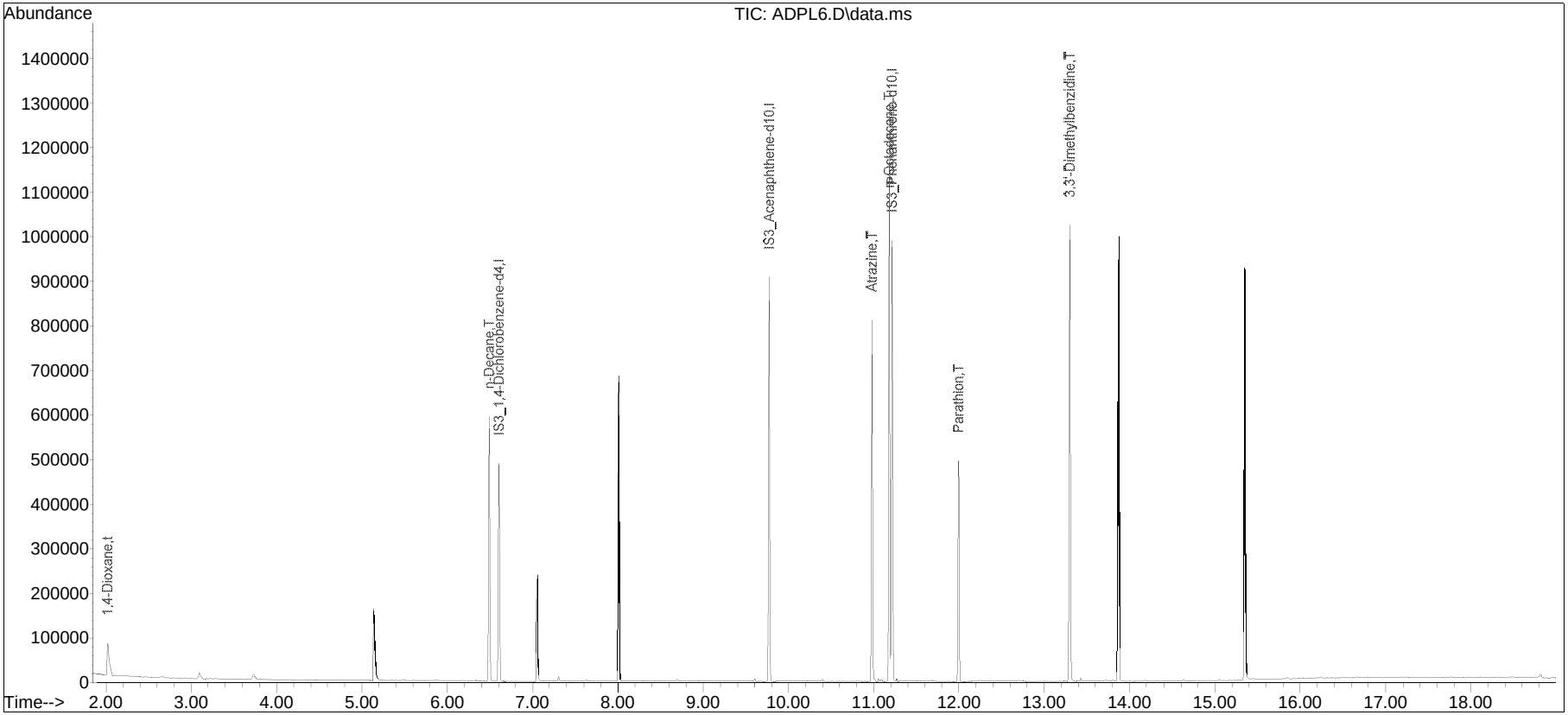
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL6.D
Acq On : 11 Oct 2024 1:55 pm
Operator : SV106:HNY
Sample : IL5,32,,ADPL5 Lot# 11025
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 18:38:09 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL6.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 1:55 pm	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 11025	Quant Date	: 10/11/2024 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL5.D
Acq On : 11 Oct 2024 2:18 pm
Operator : SV106:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11026
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 18:37:58 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	81139	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 96.62%			
86) IS3_Acenaphthene-d10	9.772	164	168837	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 95.12%			
100) IS3_Phenanthrene-d10	11.213	188	341165	4.000	ug/ml	# 0.00
Standard Area 1 = 353826			Recovery = 96.42%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.025	88	22249	2.259	ug/ml#	76
34) n-Decane	6.490	57	71357	2.367	ug/ml#	43
87) Atrazine	10.977	200	42829	2.445	ug/ml	95
101) n-Octadecane	11.183	57	102021	2.464	ug/ml#	1
102) Parathion	11.995	109	20596	2.136	ug/ml	95
103) 3,3'-Dimethylbenzidine	13.295	212	149664	2.138	ug/ml	99

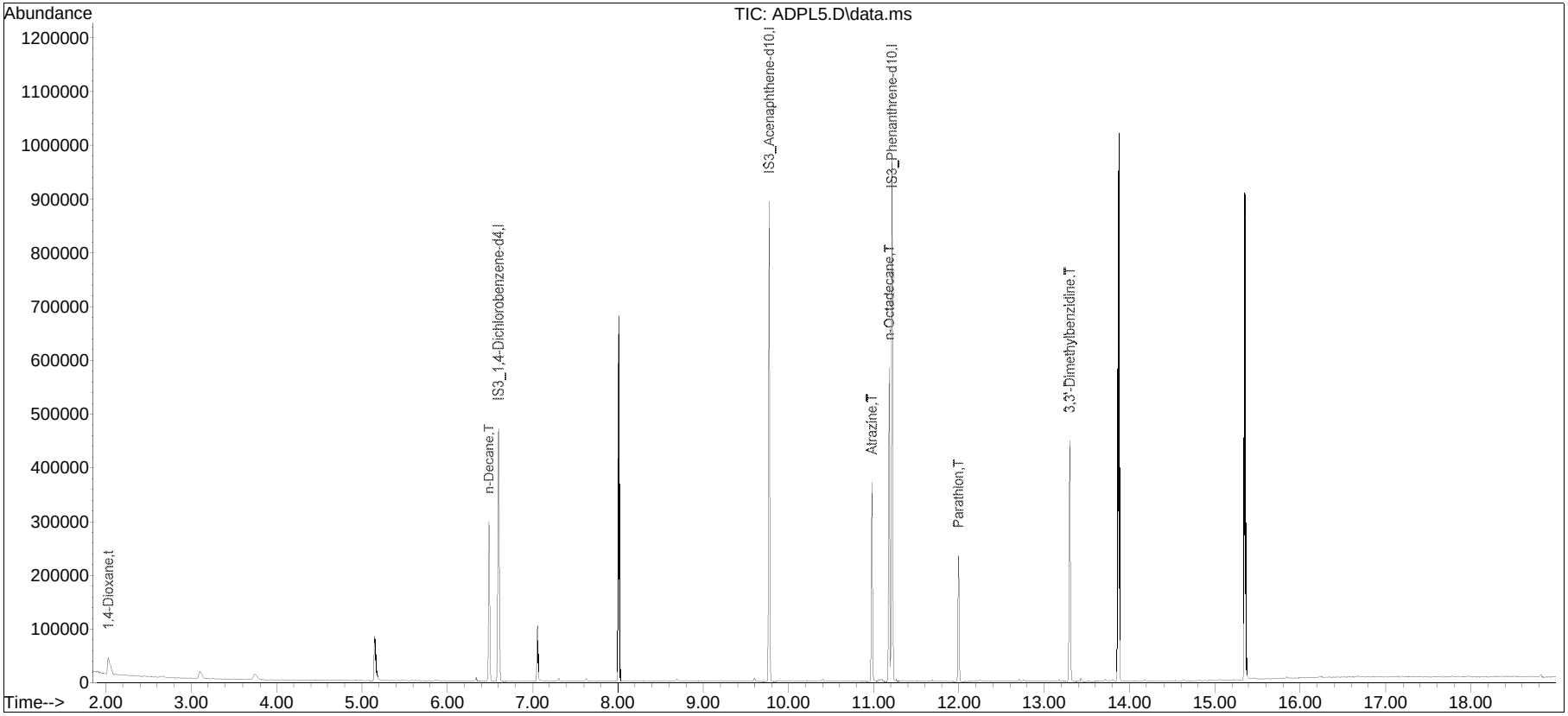
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL5.D
Acq On : 11 Oct 2024 2:18 pm
Operator : SV106:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11026
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 18:37:58 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL5.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 2:18 pm	Instrument	: SV 106
Sample	: IL6,32,,ADPL2.5 Lot# 11026	Quant Date	: 10/11/2024 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL4.D
Acq On : 11 Oct 2024 2:42 pm
Operator : SV106:HNY
Sample : IL7,32,,ADPL1 Lot# 11027
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 18:37:47 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
32) IS3_1,4-Dichlorobenzen...	6.601	152	84735	4.000 ug/ml	0.00
Standard Area 1 = 83977			Recovery = 100.90%		
86) IS3_Acenaphthene-d10	9.772	164	180291	4.000 ug/ml	0.00
Standard Area 1 = 177498			Recovery = 101.57%		
100) IS3_Phenanthrene-d10	11.213	188	366685	4.000 ug/ml	0.00
Standard Area 1 = 353826			Recovery = 103.63%		
System Monitoring Compounds					
Target Compounds					Qvalue
33) 1,4-Dioxane	2.019	88	12868	1.251 ug/ml#	78
34) n-Decane	6.489	57	40689	1.293 ug/ml#	42
87) Atrazine	10.977	200	21547	1.152 ug/ml	92
101) n-Octadecane	11.183	57	52423	1.178 ug/ml#	1
102) Parathion	11.995	109	10400	1.071 ug/ml	98
103) 3,3'-Dimethylbenzidine	13.295	212	73345	0.975 ug/ml	99

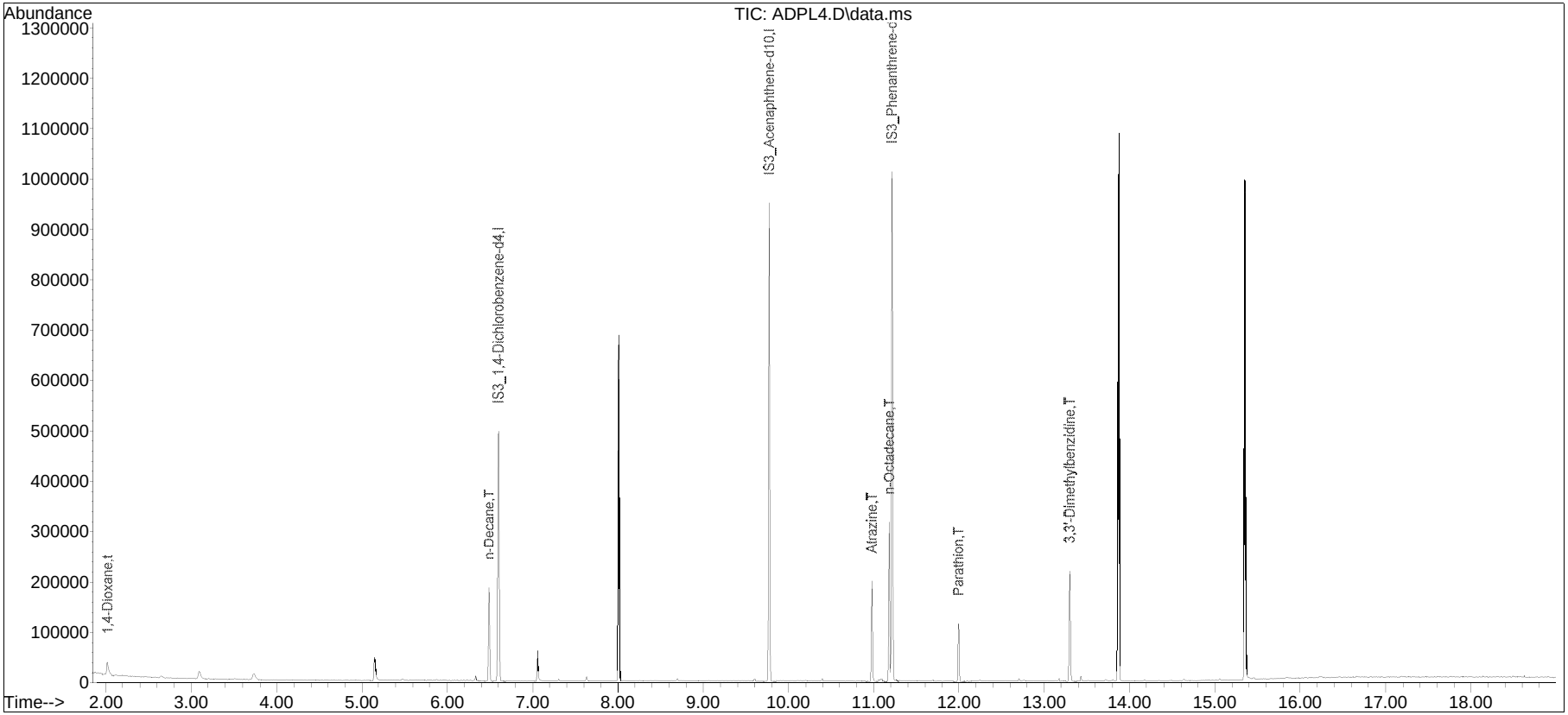
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL4.D
Acq On : 11 Oct 2024 2:42 pm
Operator : SV106:HNY
Sample : IL7,32,,ADPL1 Lot# 11027
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 18:37:47 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL4.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 2:42 pm	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 11027	Quant Date	: 10/11/2024 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL3.D
Acq On : 11 Oct 2024 3:06 pm
Operator : SV106:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11028
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 18:37:37 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	91857	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	109.38%		
86) IS3_Acenaphthene-d10	9.772	164	194378	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	109.51%		
100) IS3_Phenanthrene-d10	11.213	188	393088	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	111.10%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.025	88	5172	0.464	ug/ml#	75
34) n-Decane	6.490	57	15097	0.442	ug/ml#	41
87) Atrazine	10.977	200	8023	0.398	ug/ml#	90
101) n-Octadecane	11.183	57	18924	0.397	ug/ml#	1
102) Parathion	11.995	109	3743	0.437	ug/ml	89
103) 3,3'-Dimethylbenzidine	13.295	212	21912	0.272	ug/ml	98

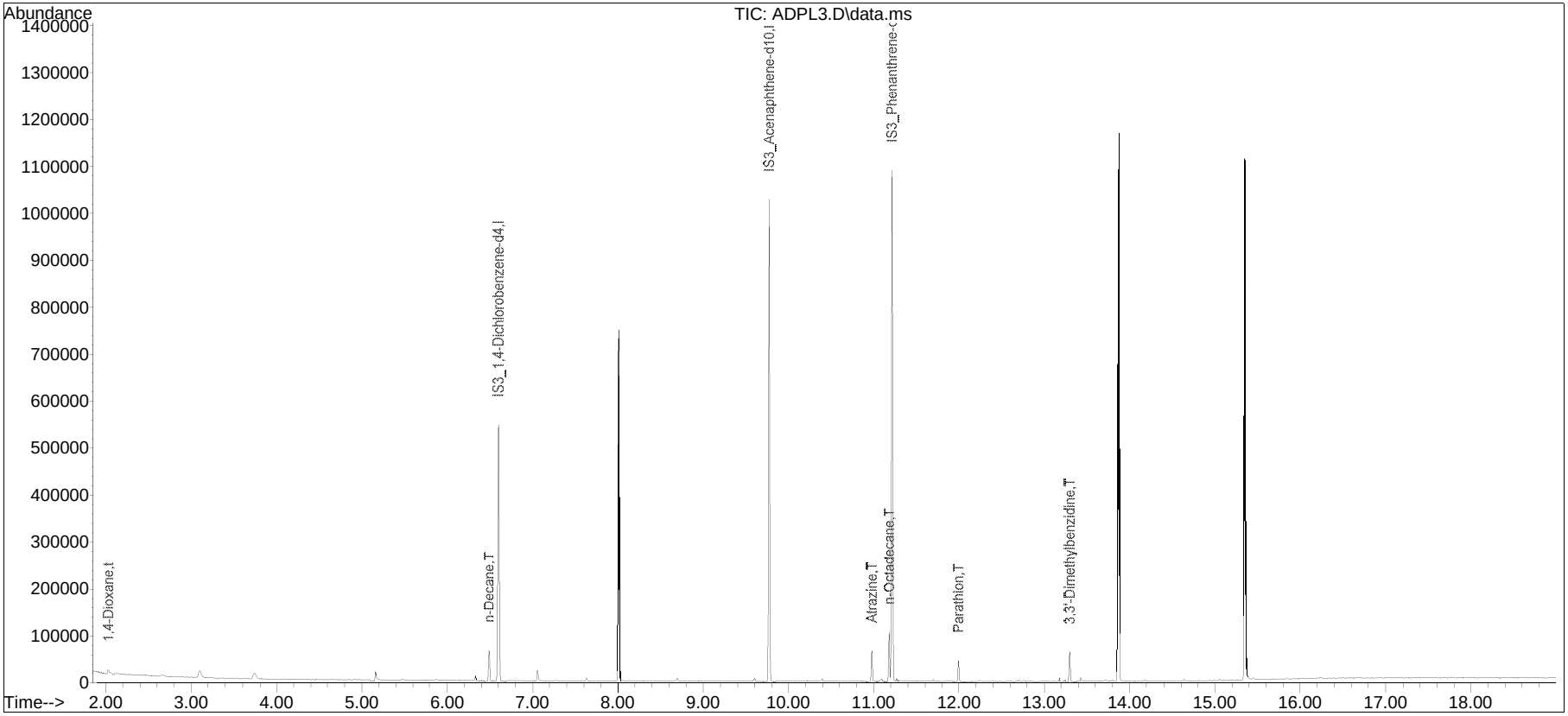
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL3.D
Acq On : 11 Oct 2024 3:06 pm
Operator : SV106:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11028
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 18:37:37 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL3.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 3:06 pm	Instrument	: SV 106
Sample	: IL8,32,,ADPL0.5 Lot# 11028	Quant Date	: 10/11/2024 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL2.D
Acq On : 11 Oct 2024 3:29 pm
Operator : SV106:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11029
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 18:37:27 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	78513	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 93.49%			
86) IS3_Acenaphthene-d10	9.772	164	165260	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 93.11%			
100) IS3_Phenanthrene-d10	11.213	188	331195	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 93.60%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.025	88	2391	0.251	ug/ml#	86
34) n-Decane	6.489	57	5903	0.202	ug/ml#	40
87) Atrazine	10.977	200	3111	0.181	ug/ml	92
101) n-Octadecane	11.183	57	7149	0.178	ug/ml#	1
102) Parathion	11.995	109	1374	0.255	ug/ml	86
103) 3,3'-Dimethylbenzidine	13.295	212	7380	0.109	ug/ml	98

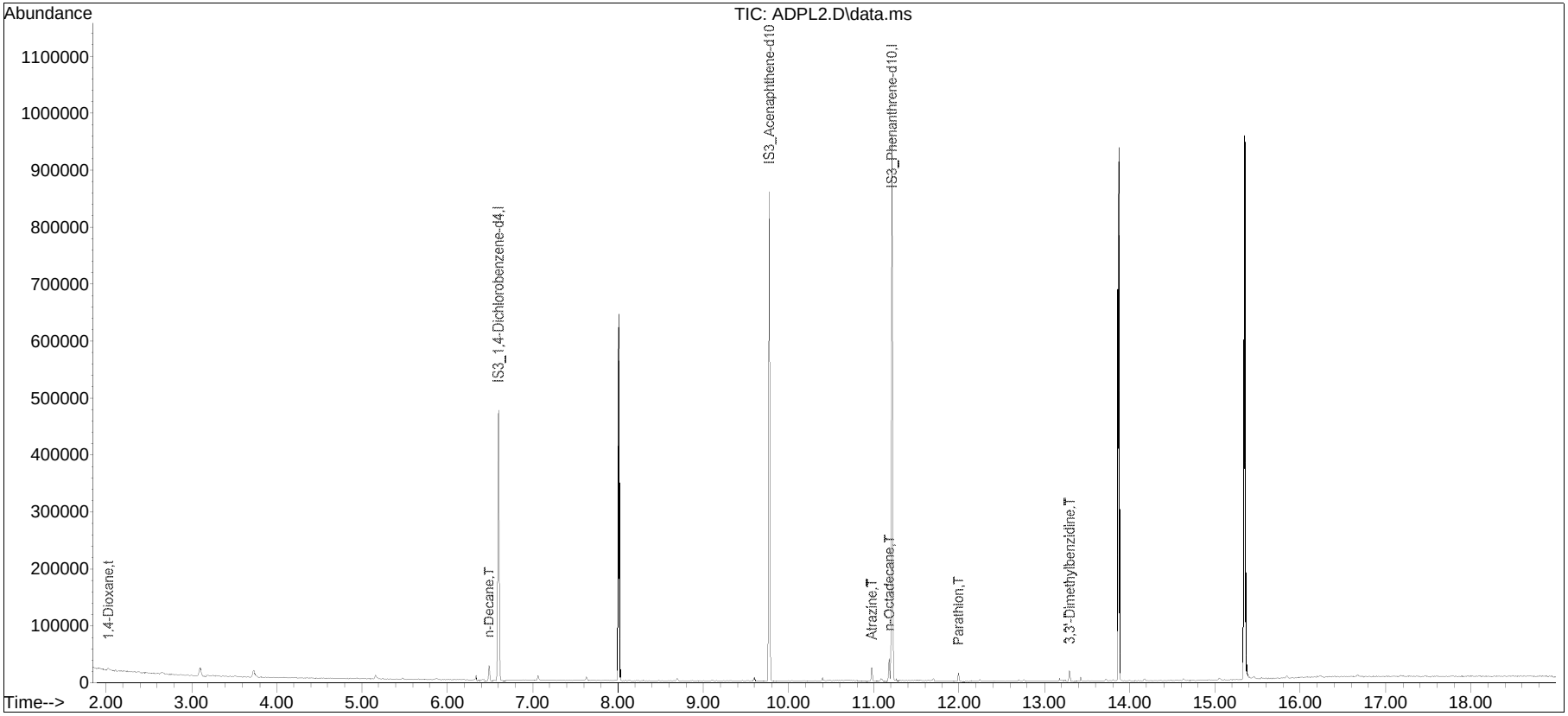
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL2.D
Acq On : 11 Oct 2024 3:29 pm
Operator : SV106:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11029
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 18:37:27 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL2.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 3:29 pm	Instrument	: SV 106
Sample	: IL9,32,,ADPL0.2 Lot# 11029	Quant Date	: 10/11/2024 6:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL1.D
Acq On : 11 Oct 2024 3:53 pm
Operator : SV106:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11030
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 18:37:16 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	79565	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 94.75%			
86) IS3_Acenaphthene-d10	9.772	164	172907	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 97.41%			
100) IS3_Phenanthrene-d10	11.213	188	339068	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 95.83%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.019	88	2741	0.284	ug/ml	96
34) n-Decane	6.490	57	6338	0.214	ug/ml#	41
87) Atrazine	10.977	200	2926	0.163	ug/ml	97
101) n-Octadecane	11.183	57	6808	0.165	ug/ml#	1
102) Parathion	11.995	109	1594	0.274	ug/ml#	84
103) 3,3'-Dimethylbenzidine	13.289	212	7116	0.102	ug/ml	99

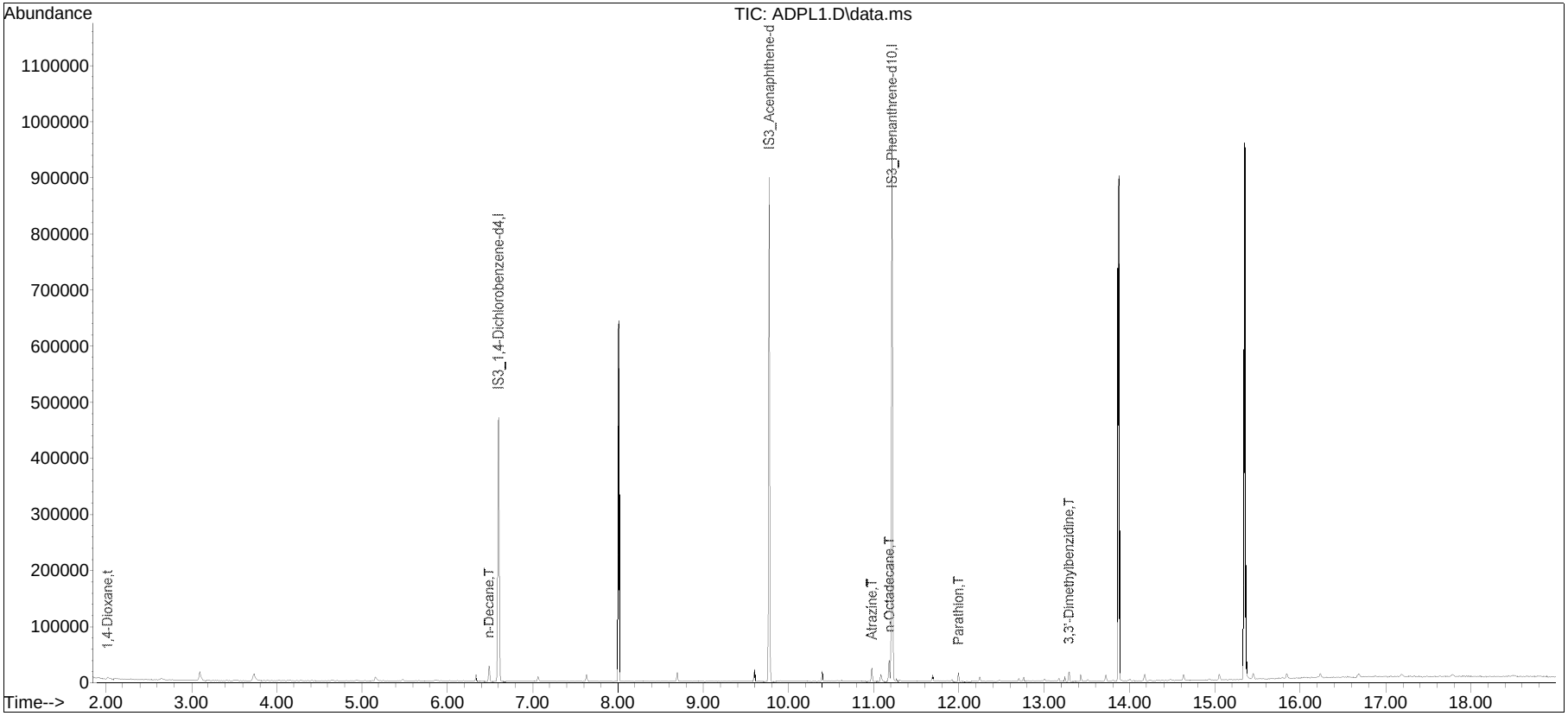
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL1.D
Acq On : 11 Oct 2024 3:53 pm
Operator : SV106:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11030
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 18:37:16 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL1.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 3:53 pm	Instrument	: SV 106
Sample	: IL10,32,,ADPL0.1 Lot# 1103	Quant Date	: 10/11/2024 6:38 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPICV.D
Acq On : 11 Oct 2024 4:16 pm
Operator : SV106:HNY
Sample : CQICV3,32,,ADPICV Lot# 11033
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 18:37:07 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	83	0.00
33	t	1,4-Dioxane		0.485	0.475	2.1	100	0.00
34	T	n-Decane		1.486	1.563	-5.2	102	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	85	0.00
87	T	Atrazine		0.415	0.328	21.0#	71	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	81	0.00
101	T	n-Octadecane		0.485	0.485	0.0	82	0.00
102	T	Parathion	*	5.000	3.976	20.5	73	0.00
103	T	3,3'-Dimethylbenzidine		0.821	0.594	27.6#	65	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPICV.D
Acq On : 11 Oct 2024 4:16 pm
Operator : SV106:HNY
Sample : CQICV3,32,,ADPICV Lot# 11033
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 18:37:07 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	69792	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 83.11%			
86) IS3_Acenaphthene-d10	9.772	164	150496	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 84.79%			
100) IS3_Phenanthrene-d10	11.213	188	287401	4.000	ug/ml	# 0.00
Standard Area 1 = 353826			Recovery = 81.23%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.008	88	41435	4.892	ug/ml#	75
34) n-Decane	6.490	57	136314	5.258	ug/ml#	43
87) Atrazine	10.978	200	61696	3.951	ug/ml	96
101) n-Octadecane	11.183	57	174193	4.994	ug/ml#	1
102) Parathion	11.995	109	33558	3.976	ug/ml	97
103) 3,3'-Dimethylbenzidine	13.295	212	213312	3.617	ug/ml	99

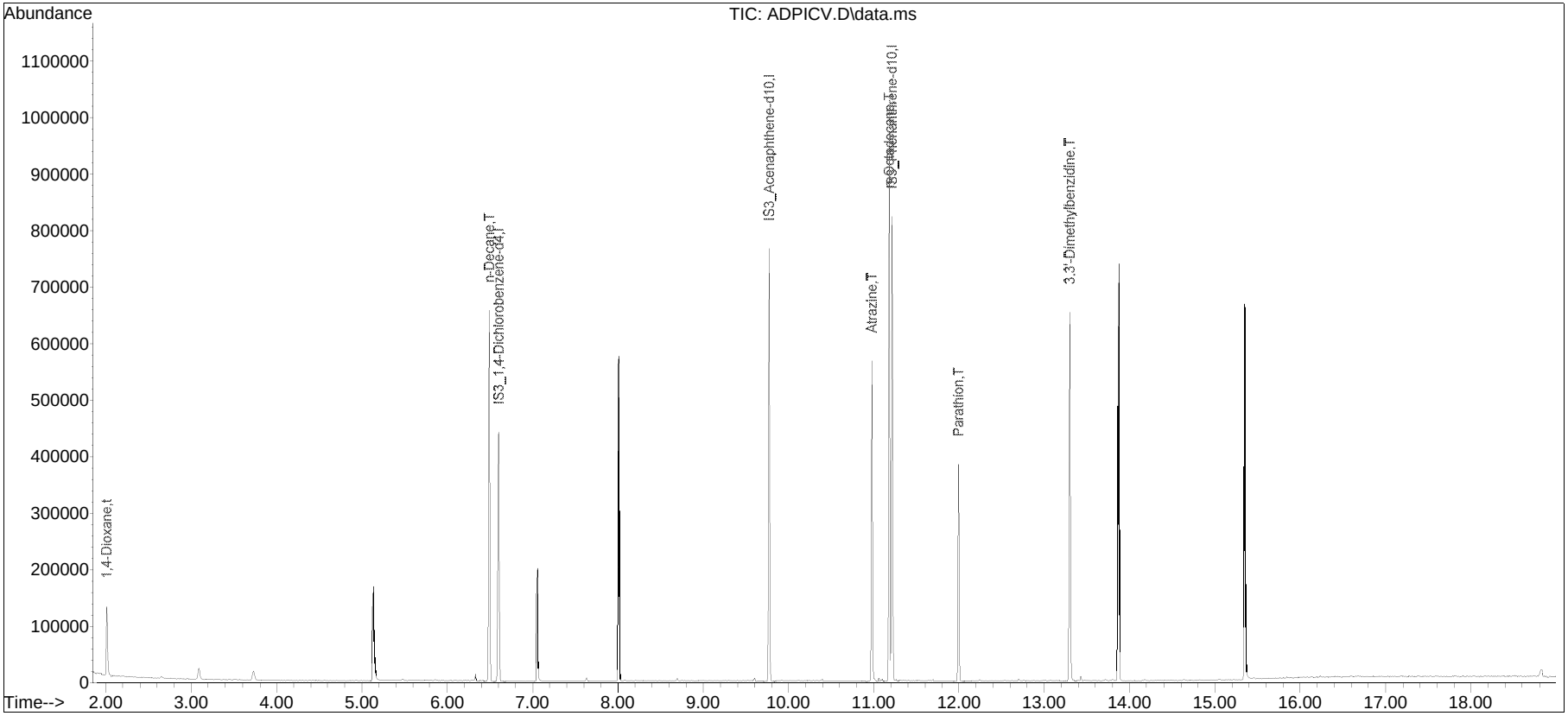
(#) = qualifier out of range (m) = manual integration (+) = signals summed

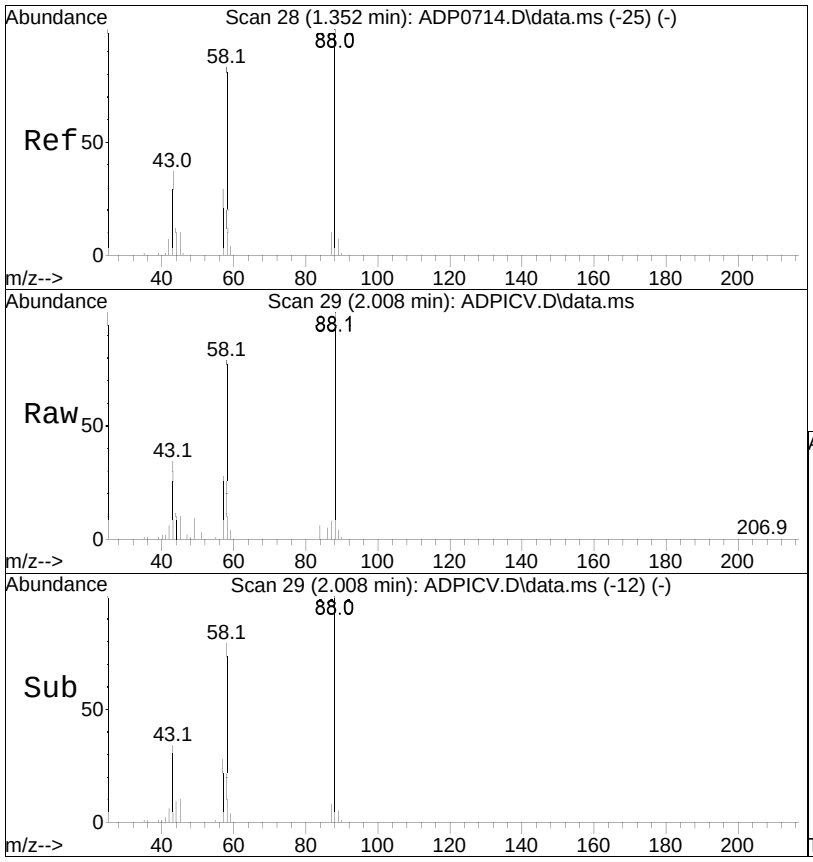
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPICV.D
Acq On : 11 Oct 2024 4:16 pm
Operator : SV106:HNY
Sample : CQICV3,32,,ADPICV Lot# 11033
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 18:37:07 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

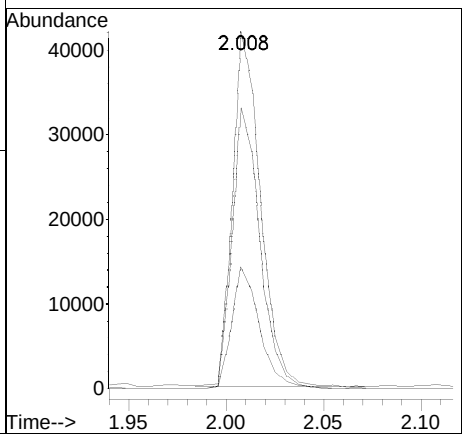


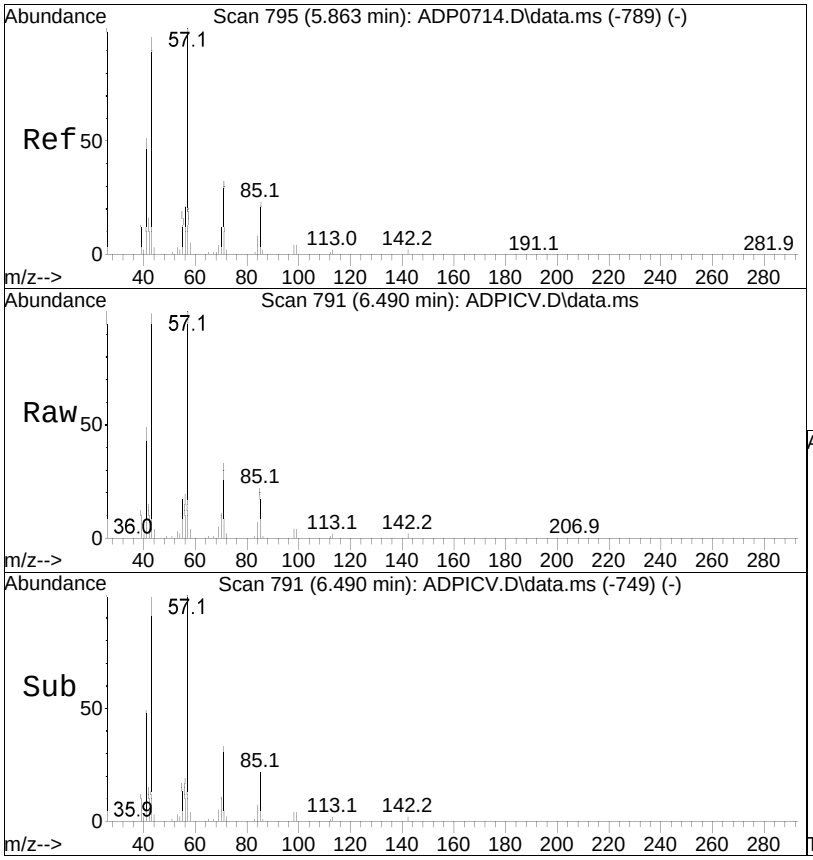


#33
1,4-Dioxane
Concen: 4.89 ug/ml
RT: 2.008 min Scan# 29
Delta R.T. -0.002 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion: 88 Resp: 41435

Ion	Ratio	Lower	Upper
88	100		
58	78.7	44.8	67.2#
43	34.3	22.4	33.6#

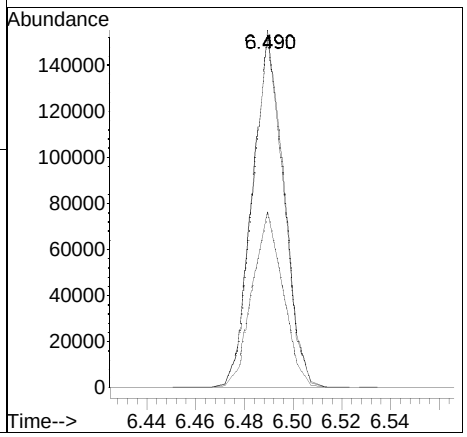


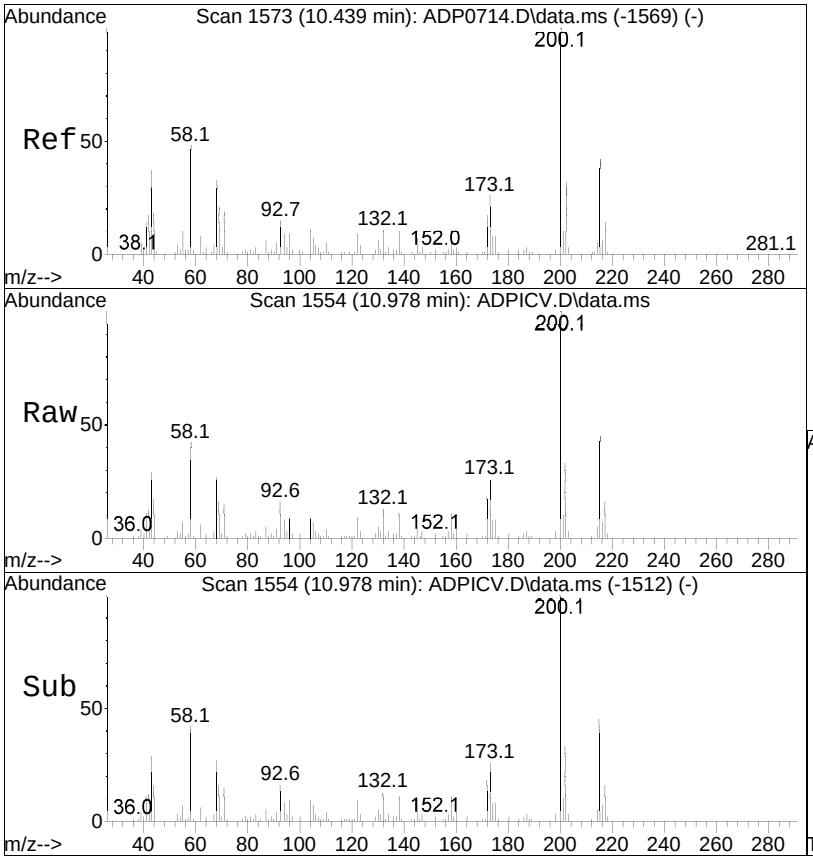


#34
n-Decane
Concen: 5.26 ug/ml
RT: 6.490 min Scan# 791
Delta R.T. -0.002 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion: 57 Resp: 136314

Ion	Ratio	Lower	Upper
57	100		
43	98.8	0.2	0.2#
41	48.9	0.2	0.2#

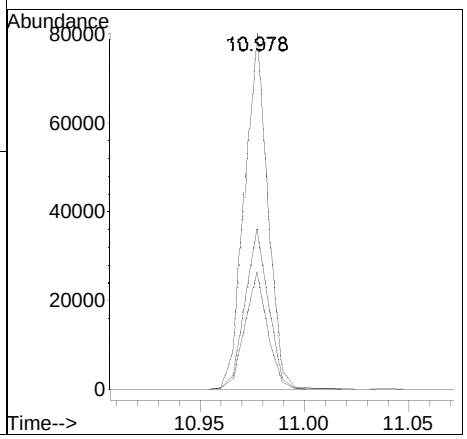


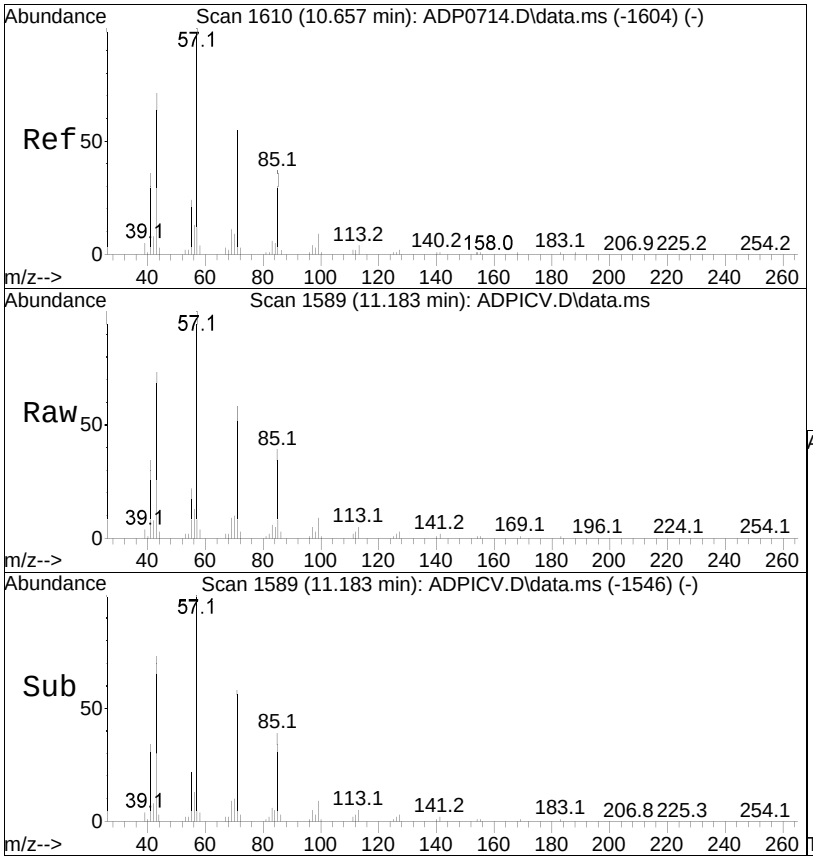


#87
Atrazine
Concen: 3.95 ug/ml
RT: 10.978 min Scan# 1554
Delta R.T. -0.002 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion:200 Resp: 61696

Ion	Ratio	Lower	Upper
200	100		
202	32.3	25.8	38.6
215	45.6	40.2	60.4

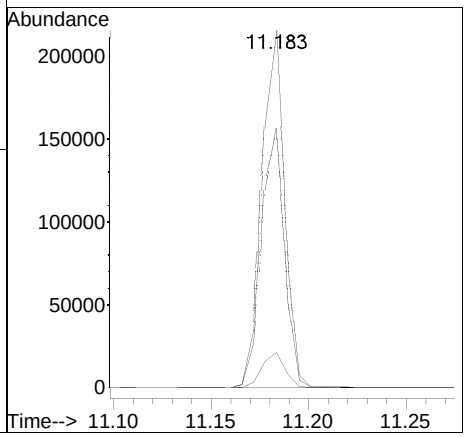


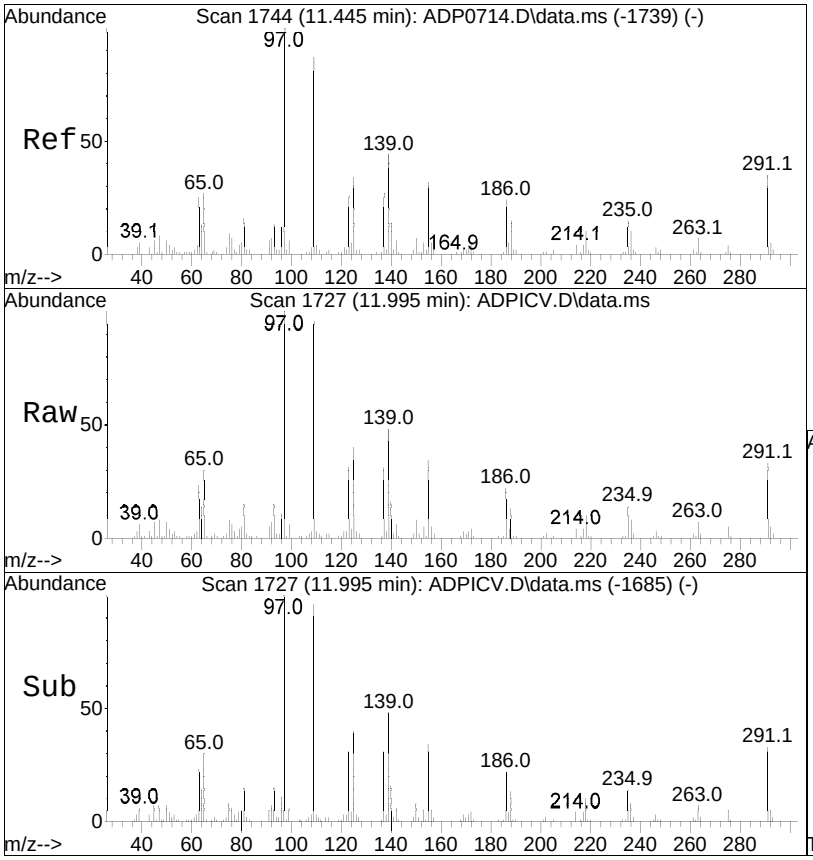


#101
n-Octadecane
Concen: 4.99 ug/ml
RT: 11.183 min Scan# 1589
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion: 57 Resp: 174193

Ion	Ratio	Lower	Upper
57	100		
43	73.9	9.0	13.6#
70	9.9	0.2	0.2#

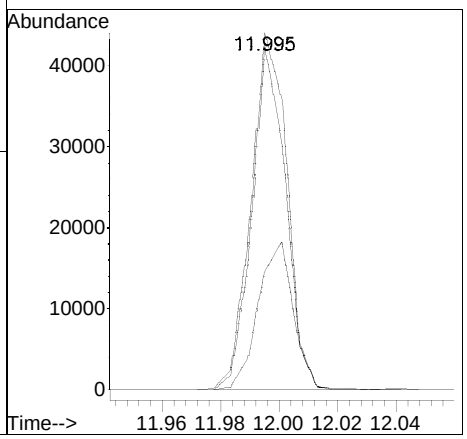


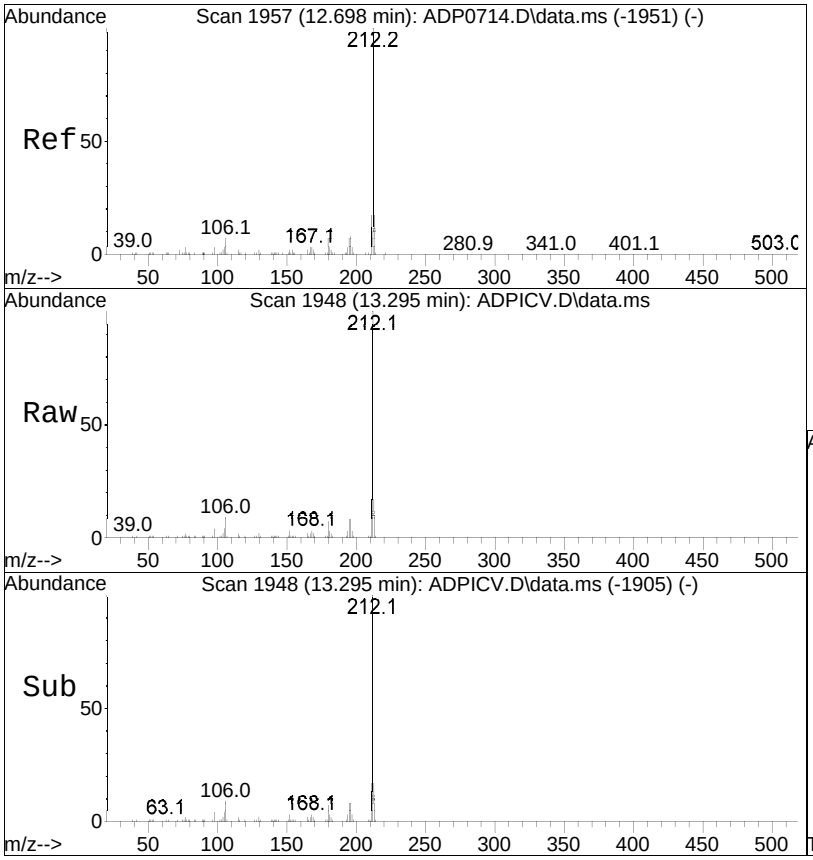


#102
Parathion
Concen: 3.98 ug/ml
RT: 11.995 min Scan# 1727
Delta R.T. -0.003 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion:109 Resp: 33558

Ion	Ratio	Lower	Upper
109	100		
97	111.6	87.4	131.2
291	45.0	34.2	51.2

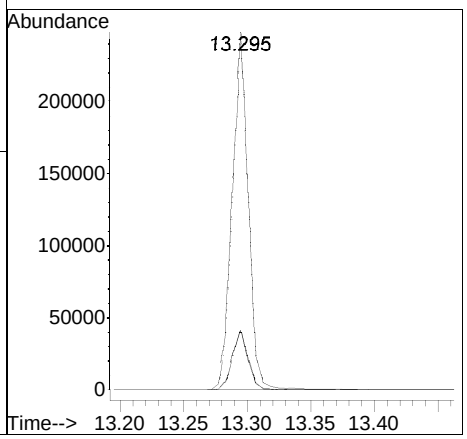




#103
3,3'-Dimethylbenzidine
Concen: 3.62 ug/ml
RT: 13.295 min Scan# 1948
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion:212 Resp: 213312

Ion	Ratio	Lower	Upper
212	100		
211	16.7	12.9	19.3
213	16.5	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPICV.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 4:16 pm	Instrument	: SV 106
Sample	: CQICV3,32,,ADPICV Lot# 110	Quant Date	: 10/11/2024 6:38 pm

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.924	-1.5	2.50	2.638	5.5
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	5.071	1.4	2.50	2.574	3.0
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.663	-6.7	0.50	0.618	23.6
102	T Parathion	Q	ug/ml	5.0	4.395	-12.1	0.20	0.255	27.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.999398	0.000000	0.293627	-0.0949847
66	T 2,4-Dinitrophenol	Linear	0.999957	0.000000	0.255049	-0.0761305
76	T 4,6-Dinitro-o-cresol	Linear	0.998192	0.000000	0.304418	-0.0260477
102	T Parathion	Quadratic	0.997945	0.003299	0.117574	-0.00336064

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth...		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro...	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68
37)	I	IS1_Naphthalene-d8	----------ISTD----------										
38)	T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39)	T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40)	T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41)	T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42)	T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43)	T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44)	T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45)	T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47)	T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48)	S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49)	T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50)	T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51)	T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52)	T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53)	T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54)	T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55)	T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56)	T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57)	I	IS2_Naphthalene-d8	ISTD										
58)	T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59)	T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60)	T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61)	T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62)	T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63)	T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64)	T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65)	I	IS1_Acenaphthene-d10	ISTD										
66)	T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67)	T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68)	T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69)	T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70)	T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71)	T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72)	T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51
85)	I	IS2_Acenaphthene-d10	ISTD										
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74
88)	I	IS3_Acenaphthene-d10	ISTD										
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90
90)	I	IS1_Phenanthrene-d10	ISTD										

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34
100)	I	IS2_Phenanthrene-d10	----------ISTD----------										
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13
102)	I	IS3_Phenanthrene-d10	----------ISTD----------										
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115	*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870	*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------										
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

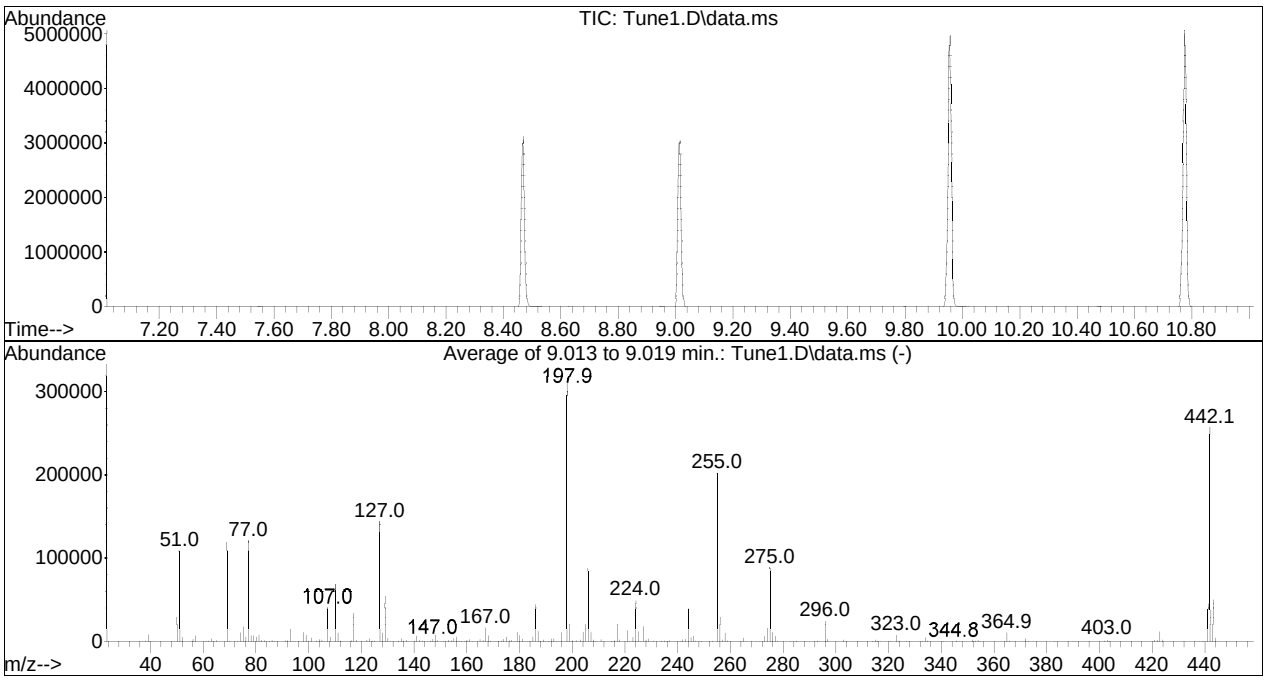
(#) = Out of Range

DFTPP

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



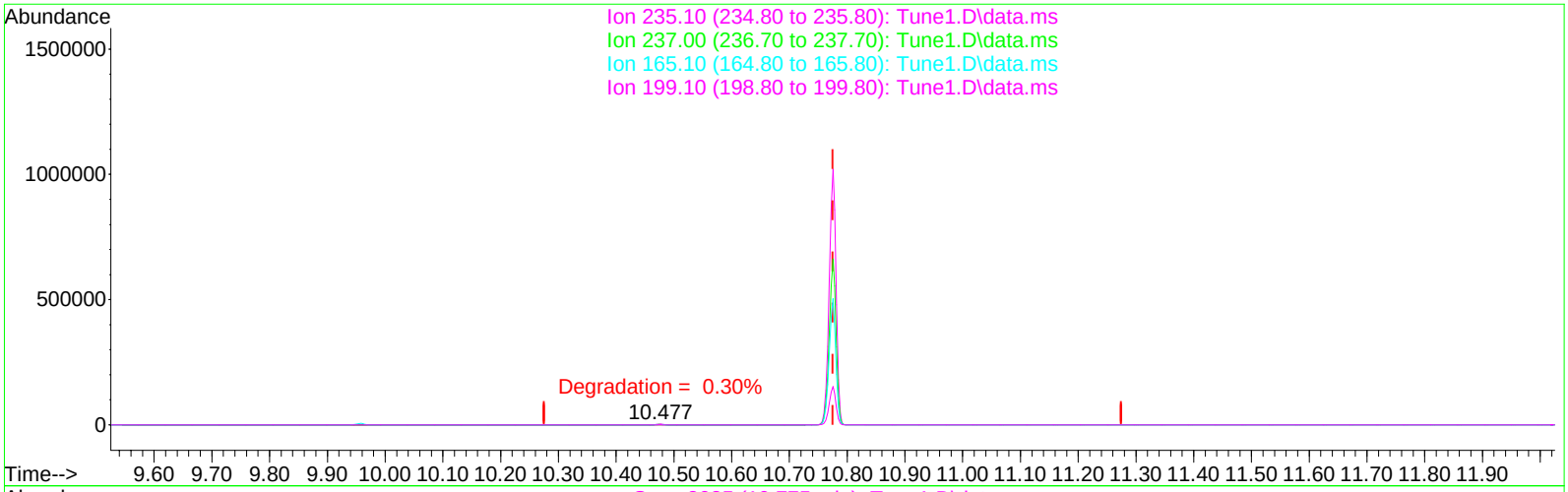
Spectrum Information: Average of 9.013 to 9.019 min.

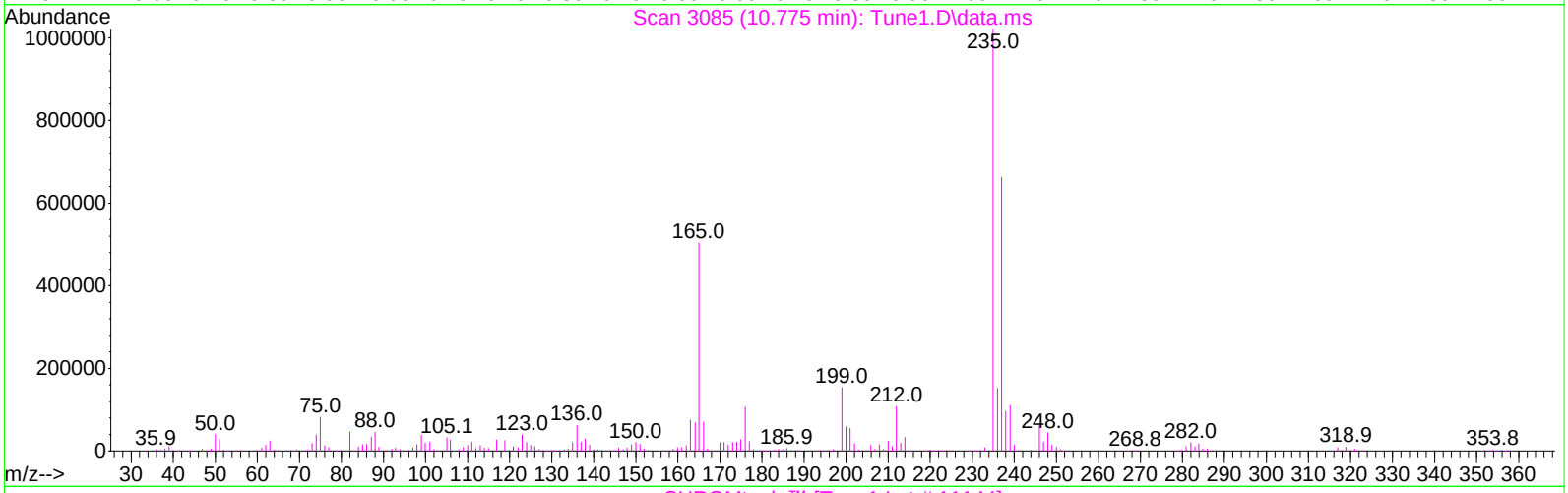
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	108867	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	118323	PASS
70	69	0.00	2	0.6	688	PASS
127	198	10	80	45.2	143328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	316843	PASS
199	198	5	9	6.5	20619	PASS
275	198	10	60	27.8	88232	PASS
365	198	1	100	3.3	10554	PASS
441	442	0.01	24	17.4	44621	PASS
442	198	50	100	80.8	256128	PASS
443	442	15	24	19.7	50387	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(6) DDT (T)

10.775min (+ 0.000) 139.61

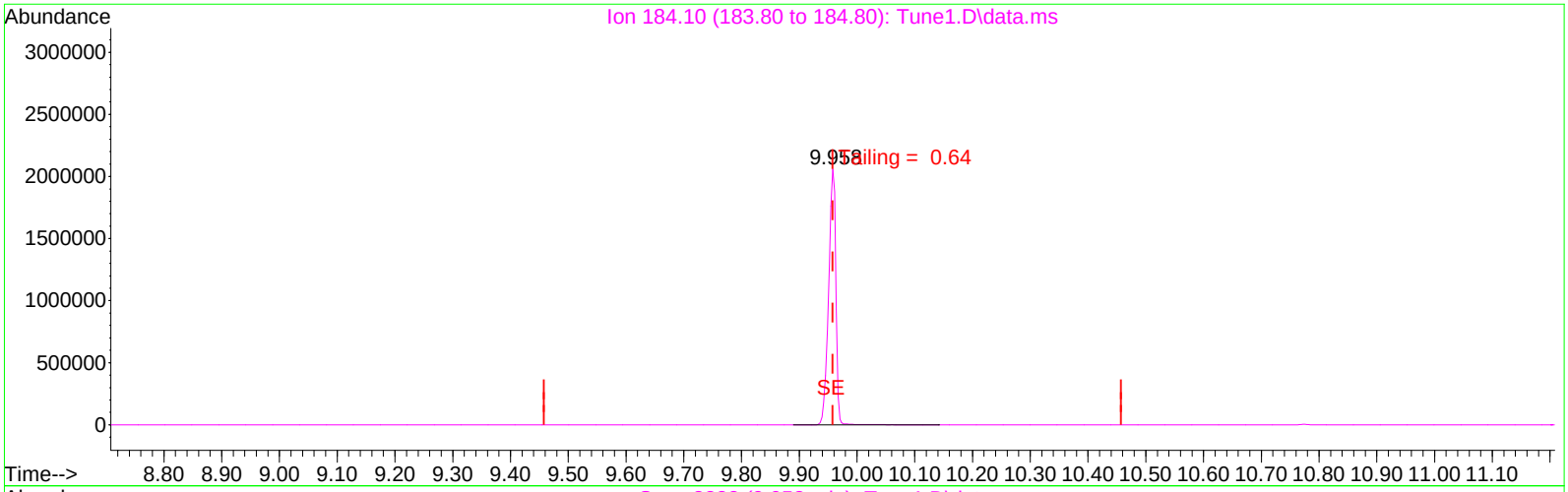
response 851056

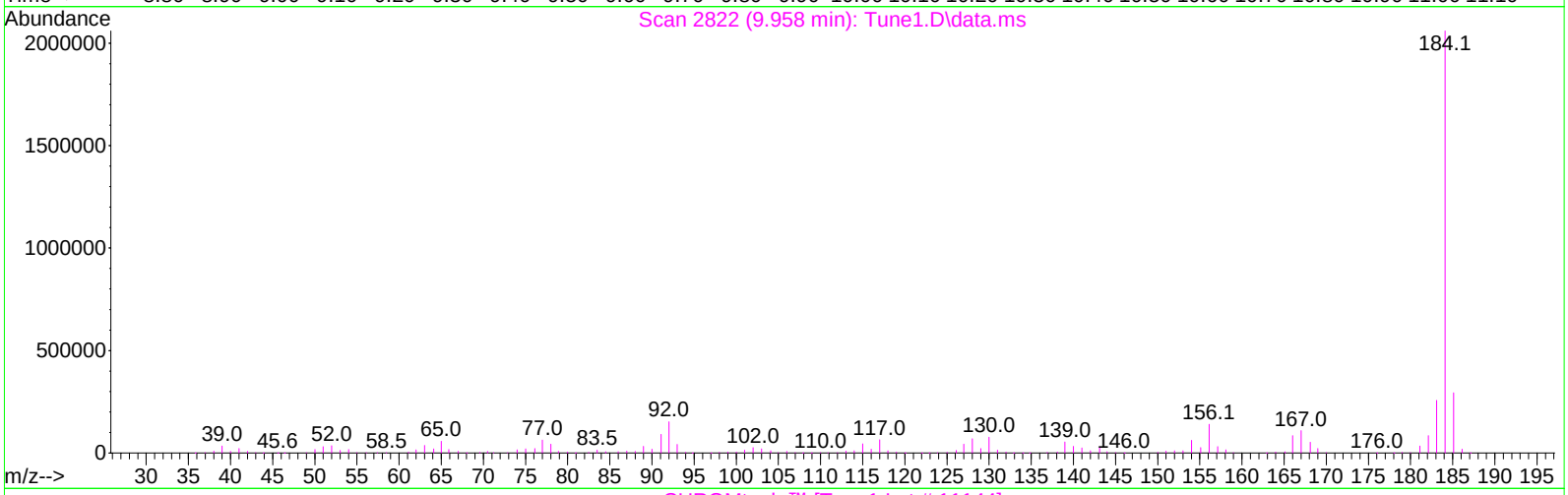
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.29
165.10	48.70	47.50
199.10	15.80	14.59

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(3) Benzidine (T)

9.958min (+ 0.000) 176.60

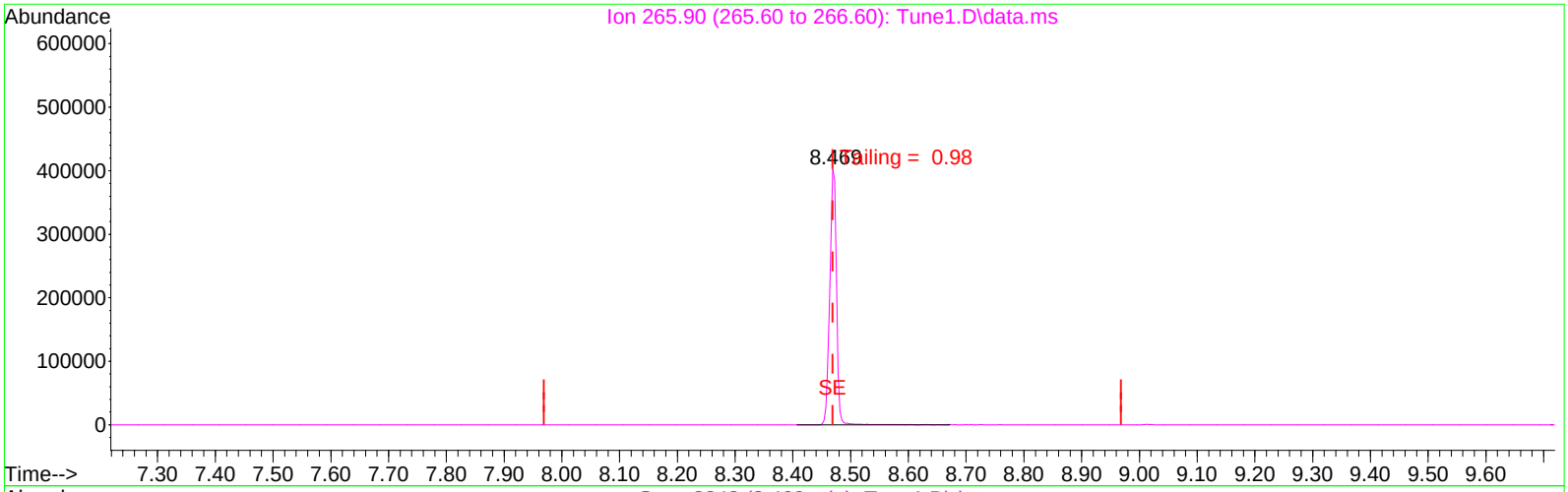
response 1797793

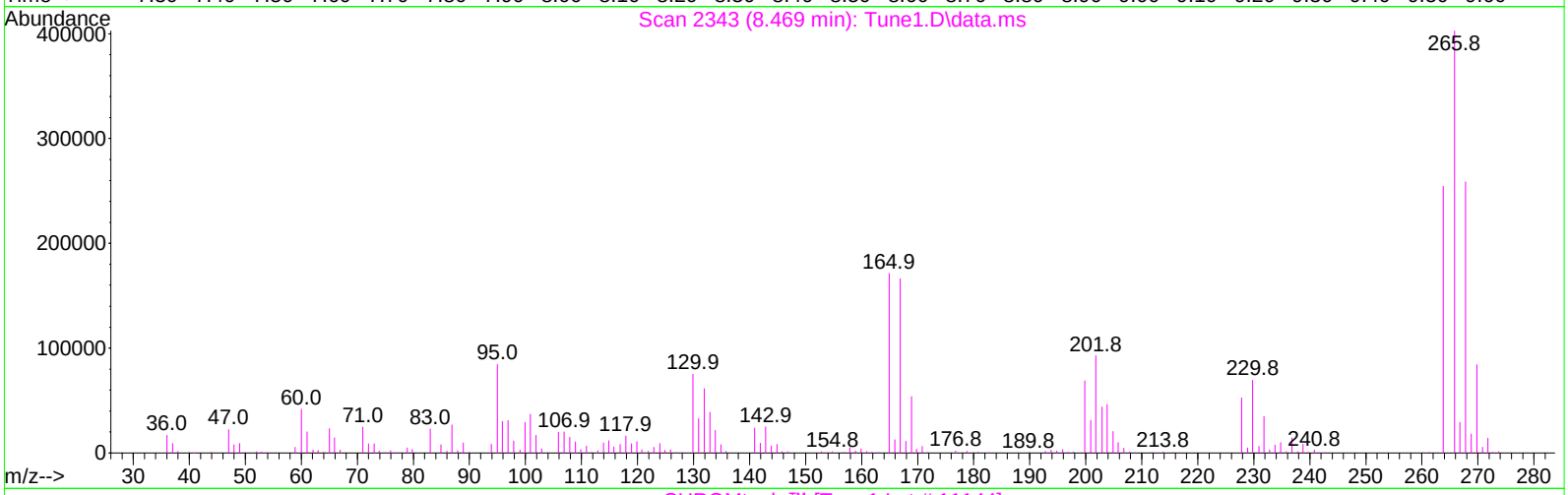
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 155.17

response 325922

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	30652	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 105.84%		
37) IS1_Naphthalene-d8	5.523	136	115575	4.000 ug/ml #	0.00
Standard Area 1 = 107558			Recovery = 107.45%		
65) IS1_Acenaphthene-d10	7.217	164	76687	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 110.26%		
90) IS1_Phenanthrene-d10	8.628	188	166987	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 111.46%		
106) IS1_Chrysene-d12	11.204	240	194641	4.000 ug/ml	0.01
Standard Area 1 = 173036			Recovery = 112.49%		
115) IS1_Perylene-d12	12.615	264	225226	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 110.75%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	426850	59.194 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2959.70%#		
7) Phenol-d6	3.997	99	522918	56.419 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2820.95%#		
19) Nitrobenzene-d5	4.836	82	509012	60.281 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 6028.10%#		
48) 2-Fluorobiphenyl	6.598	172	1397973	47.353 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4735.30%#		
81) 2,4,6-Tribromophenol	7.978	330	318182	63.648 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3182.40%#		
98) 4-Terphenyl-d14	10.197	244	2326146	51.642 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5164.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	259400	52.853 ug/ml#	81
3) Pyridine	1.628	79	428290M4	55.731 ug/ml	
5) Aniline	3.972	93	640203	53.323 ug/ml	97
6) 2-Chlorophenol	4.084	128	503520	57.731 ug/ml#	89
8) Phenol	4.009	94	570150	52.586 ug/ml	95
9) Bis(2-chloroethyl)ether	4.062	93	397399	51.752 ug/ml	97
10) 1,3-Dichlorobenzene	4.227	146	613947	47.830 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	625718	49.989 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	606587	50.459 ug/ml	94
13) Benzyl alcohol	4.457	79	404093	59.695 ug/ml	99
14) Bis(2-chloroisopropyl)...	4.593	45	686842	43.928 ug/ml#	58

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	432836	56.676	ug/ml	99
16) Hexachloroethane	4.774	117	235552	51.801	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.730	70	348350	54.578	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.758	108	474628	58.576	ug/ml	98
20) Nitrobenzene	4.855	77	508075	56.813	ug/ml	99
21) Isophorone	5.103	82	932214	56.512	ug/ml	95
22) 2-Nitrophenol	5.168	139	276353	73.081	ug/ml#	86
23) 2,4-Dimethylphenol	5.265	107	455183	59.441	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.346	93	555844	53.062	ug/ml#	95
25) 2,4-Dichlorophenol	5.414	162	535919	56.225	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.482	180	617065	49.088	ug/ml	96
38) Naphthalene	5.545	128	1563409	50.438	ug/ml	99
39) Benzoic Acid	5.448	105	403452	57.603	ug/ml	94
40) 4-Chloroaniline	5.625	65	180490	44.567	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	390074	48.367	ug/ml	99
42) p-Chloro-m-cresol	6.132	107	455050	56.560	ug/ml	90
43) 2-Methylnaphthalene	6.222	142	1101989	50.436	ug/ml	95
44) 1-Methylnaphthalene	6.312	115	355748	49.874	ug/ml	94
45) Hexachlorocyclopentadiene	6.390	237	448866	57.912	ug/ml	98
46) 2,4,6-Trichlorophenol	6.514	196	461815	54.022	ug/ml	99
47) 2,4,5-Trichlorophenol	6.542	196	501540	53.375	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	1232869	48.247	ug/ml	93
50) 2-Nitroaniline	6.806	138	375805	64.681	ug/ml#	76
51) 1,4-Dinitrobenzene	6.940	168	176371	60.844	ug/ml	79
52) 1,3-Dinitrobenzene	7.015	168	197913	57.416	ug/ml#	1
53) Dimethyl phthalate	7.021	163	1441304	47.423	ug/ml#	97
54) Acenaphthylene	7.077	152	1857454	49.980	ug/ml	98
55) 2,6-Dinitrotoluene	7.055	165	311315	60.836	ug/ml#	75
56) 1,2-Dinitrobenzene	7.099	168	114969	57.322	ug/ml	96
66) 3-Nitroaniline	7.207	138	334091	65.269	ug/ml#	84
67) Acenaphthene	7.248	154	1075382	50.509	ug/ml	89
68) 2,4-Dinitrophenol	7.307	184	216833	65.280	ug/ml#	81
69) Dibenzofuran	7.419	168	1807087	49.044	ug/ml#	81
70) 2,4-Dinitrotoluene	7.437	165	444663	62.937	ug/ml#	75
71) 4-Nitrophenol	7.413	65	261902	64.521	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.512	232	460699	61.758	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.552	232	441598	60.168	ug/ml	98
74) Diethyl phthalate	7.702	149	1504708	51.958	ug/ml	98
75) Fluorene	7.745	166	1436151	49.717	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.767	204	730405	48.977	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.801	138	342396	60.275	ug/ml#	69
78)	4,6-Dinitro-o-cresol	7.829	198	287986	56.625	ug/ml#	56
79)	NDPA/DPA	7.891	169	1246099	49.971	ug/ml	93
80)	Azobenzene	7.919	77	1244414	53.600	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.233	248	495260M3	52.189	ug/ml	
83)	Hexachlorobenzene	8.277	284	628621	52.365	ug/ml#	80
84)	Pentachlorophenol	8.472	266	435993	66.782	ug/ml	99
91)	Phenanthrene	8.653	178	2336584	49.387	ug/ml	99
92)	Anthracene	8.702	178	2406283	51.441	ug/ml	98
93)	Carbazole	8.876	167	2253274	51.023	ug/ml	97
94)	Di-n-butylphthalate	9.277	149	2732871	56.111	ug/ml#	98
95)	Fluoranthene	9.793	202	2867925	48.973	ug/ml#	92
96)	Benzidine	9.955	184	1878693	56.269	ug/ml#	94
97)	Pyrene	10.002	202	3038413	48.767	ug/ml	98
99)	Butyl benzyl phthalate	10.716	149	1326004	63.789	ug/ml#	82
107)	Benzo(a)anthracene	11.195	228	3166019	49.297	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.208	252	1342833	57.018	ug/ml#	96
109)	Chrysene	11.236	228	3040984	49.111	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.341	149	2080032	61.018	ug/ml#	89
111)	Di-n-octylphthalate	12.003	149	3584357	63.929	ug/ml#	72
112)	Benzo(b)fluoranthene	12.270	252	3497162	53.103	ug/ml#	93
113)	Benzo(k)fluoranthene	12.302	252	3427673M3	52.799	ug/ml	
114)	Benzo(a)pyrene	12.575	252	3281306M2	54.636	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.570	276	3906250	56.698	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.595	278	3606363	53.295	ug/ml#	89
118)	Benzo(ghi)perylene	13.784	276	3474271	53.027	ug/ml#	86

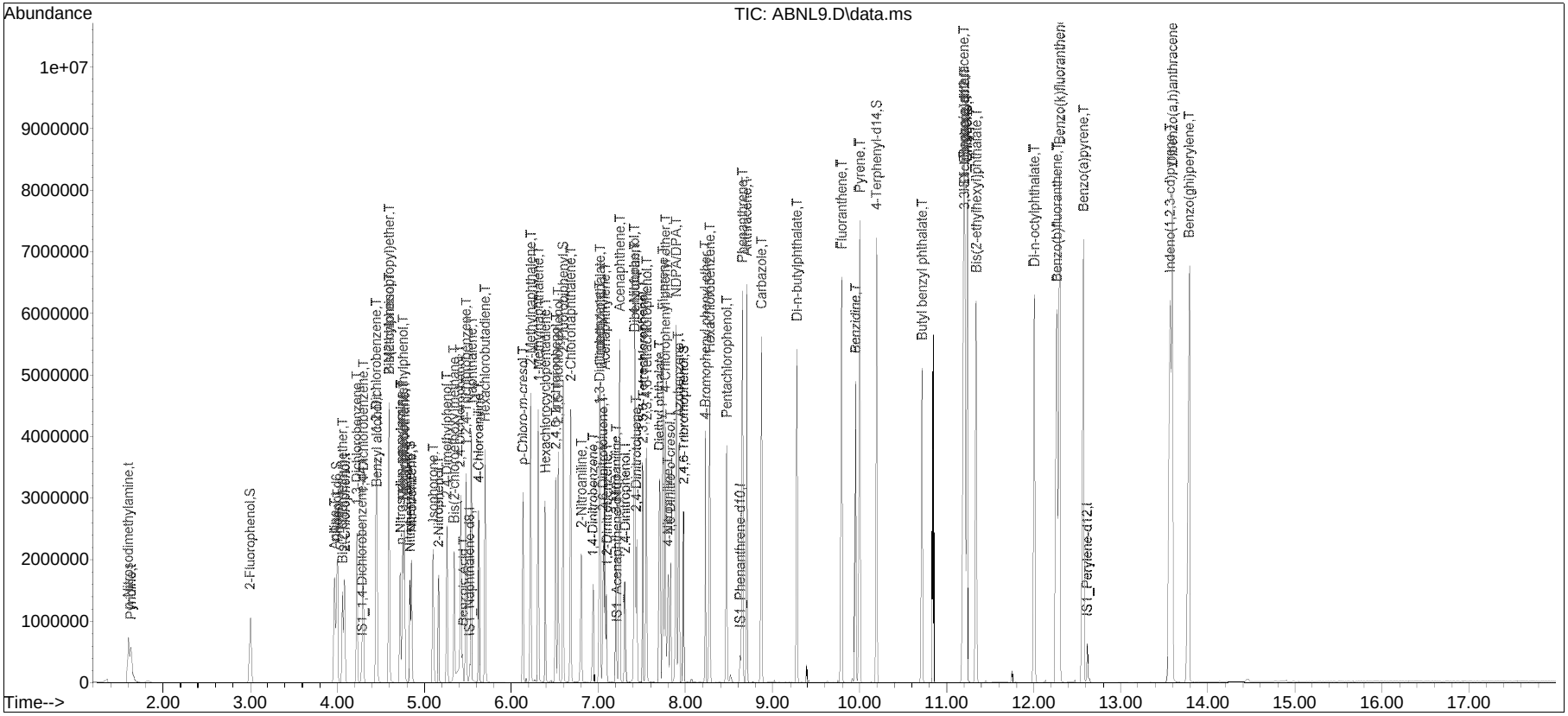
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

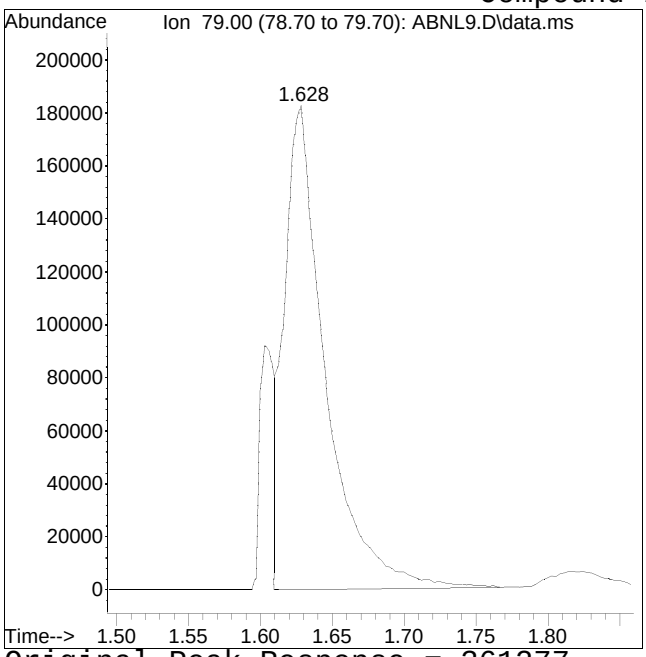
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



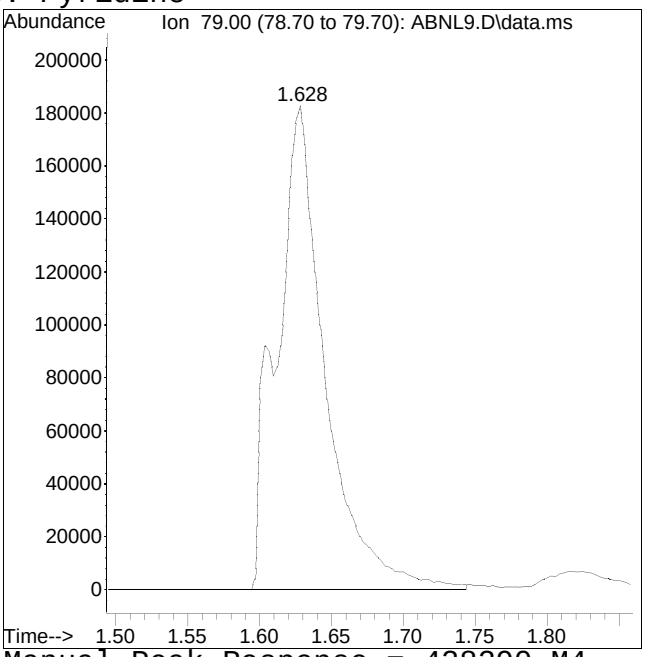
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL9.D
Date Inj'd : 11/5/2024 4:59 pm
Sample : IL2,32,,ABNL50 Lot# 11111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #3: Pyridine



Original Peak Response = 361277



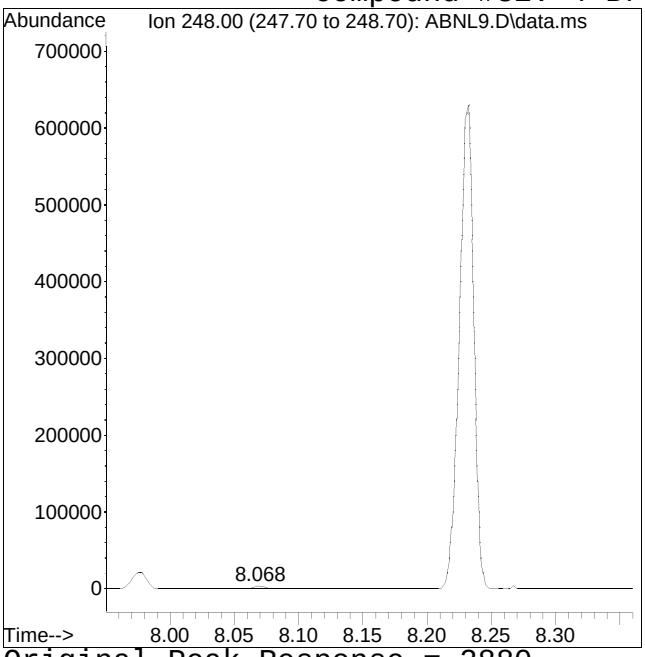
Manual Peak Response = 428290 M4

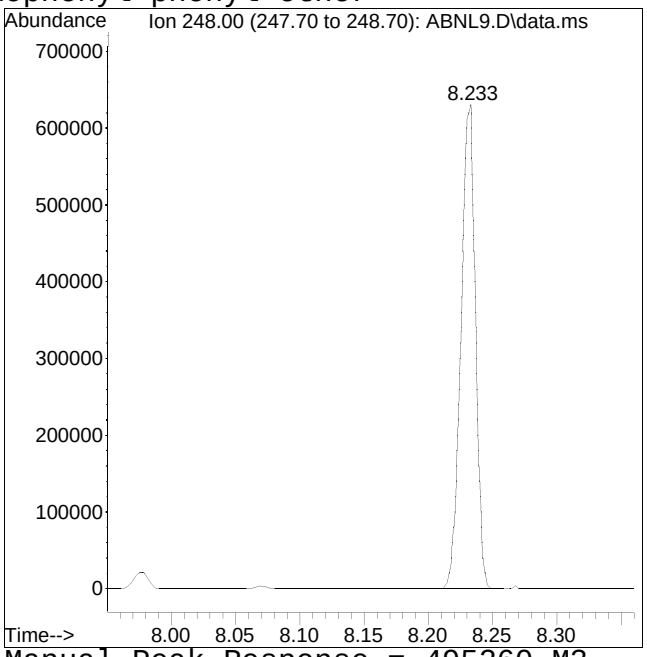
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #82: 4-Bromophenyl phenyl ether



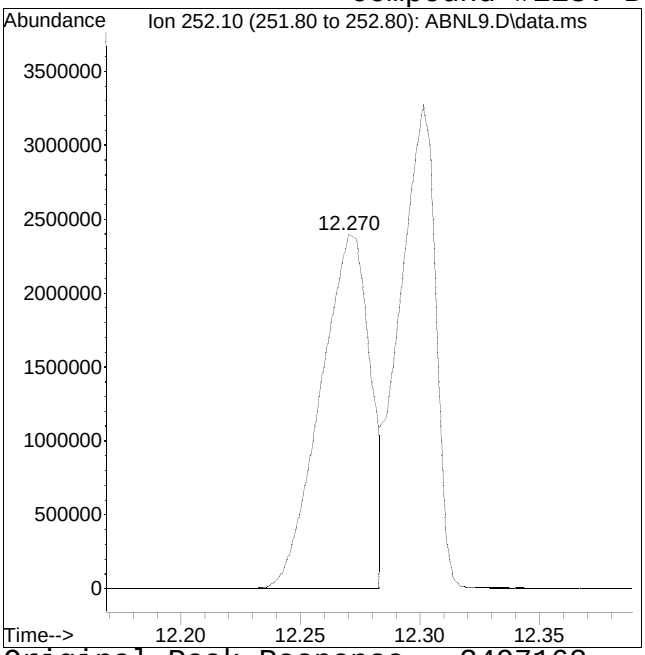


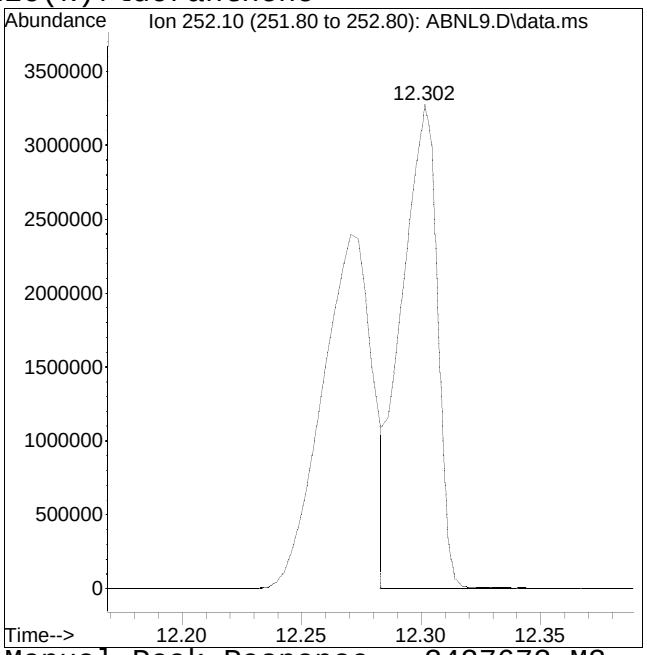
Original Peak Response = 2880 Manual Peak Response = 495260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #113: Benzo(k)fluoranthene



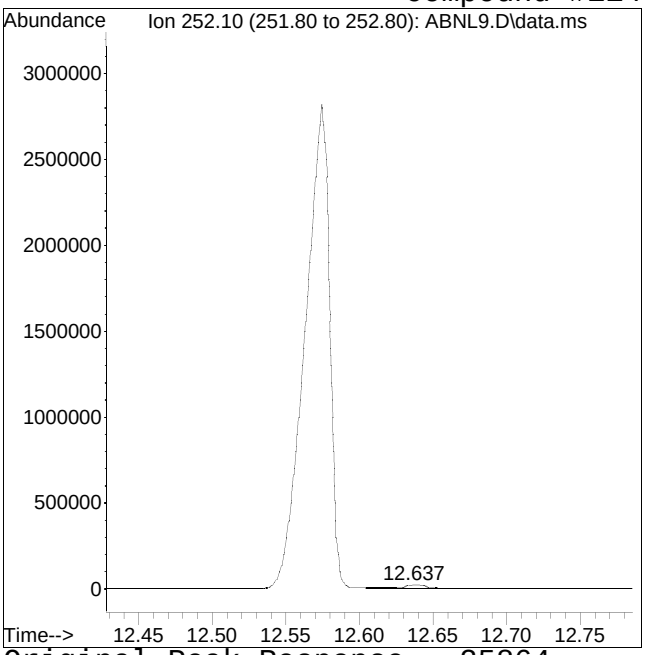


Original Peak Response = 3497162 Manual Peak Response = 3427673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

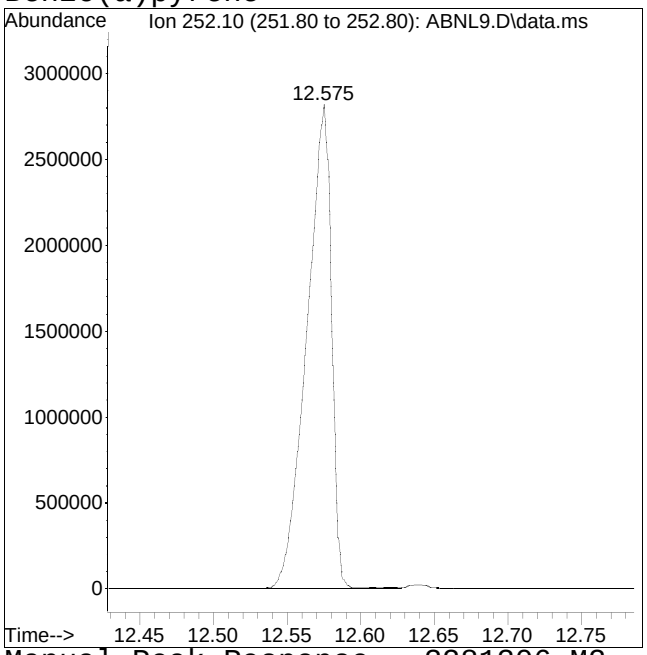
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 25864



Manual Peak Response = 3281306 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.286	152	32882	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 113.54%			
37) IS1_Naphthalene-d8	5.523	136	122219	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 113.63%			
65) IS1_Acenaphthene-d10	7.213	164	80019	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 115.05%			
90) IS1_Phenanthrene-d10	8.625	188	170526	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 113.83%			
106) IS1_Chrysene-d12	11.198	240	195039	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 112.72%			
115) IS1_Perylene-d12	12.612	264	222671	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 109.50%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	212455	27.464	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1373.20%#			
7) Phenol-d6	3.990	99	268911	27.046	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1352.30%#			
19) Nitrobenzene-d5	4.833	82	254511	28.097	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2809.70%#			
48) 2-Fluorobiphenyl	6.595	172	702587	22.505	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2250.50%#			
81) 2,4,6-Tribromophenol	7.972	330	149763	28.710	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1435.50%#			
98) 4-Terphenyl-d14	10.194	244	1156113	25.134	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2513.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.603	74	130982	24.878	ug/ml#	80
3) Pyridine	1.631	79	210509	25.535	ug/ml#	60
5) Aniline	3.969	93	320735	24.903	ug/ml	97
6) 2-Chlorophenol	4.081	128	255159	27.271	ug/ml#	88
8) Phenol	4.003	94	287124	24.686	ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	204030	24.768	ug/ml	98
10) 1,3-Dichlorobenzene	4.227	146	310564	22.554	ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	314288	23.406	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	305963	23.725	ug/ml	94
13) Benzyl alcohol	4.454	79	204562	28.170	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	355071	21.169	ug/ml#	60

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	218784	26.705	ug/ml	98
16) Hexachloroethane	4.774	117	117262	24.038	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.724	70	178039	26.002	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.752	108	239554	27.559	ug/ml	99
20) Nitrobenzene	4.851	77	257804	26.872	ug/ml	99
21) Isophorone	5.097	82	475439	26.867	ug/ml	95
22) 2-Nitrophenol	5.168	139	138413	34.121	ug/ml#	86
23) 2,4-Dimethylphenol	5.259	107	227762	27.726	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.342	93	287885	25.618	ug/ml#	95
25) 2,4-Dichlorophenol	5.411	162	268517	26.260	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.482	180	311284	23.084	ug/ml	96
38) Naphthalene	5.541	128	793205	24.199	ug/ml	99
39) Benzoic Acid	5.408	105	196632	27.424	ug/ml	94
40) 4-Chloroaniline	5.622	65	90913	21.228	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	194721	22.832	ug/ml	99
42) p-Chloro-m-cresol	6.129	107	227472	26.736	ug/ml	90
43) 2-Methylnaphthalene	6.219	142	556861	24.101	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	176736	23.431	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	222494	27.145	ug/ml	100
46) 2,4,6-Trichlorophenol	6.511	196	228866	25.317	ug/ml	97
47) 2,4,5-Trichlorophenol	6.539	196	248308	24.989	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	619402	22.922	ug/ml	93
50) 2-Nitroaniline	6.800	138	185396	30.174	ug/ml#	77
51) 1,4-Dinitrobenzene	6.934	168	86479	28.212	ug/ml	81
52) 1,3-Dinitrobenzene	7.008	168	98273M3	26.960	ug/ml	
53) Dimethyl phthalate	7.011	163	727981	22.651	ug/ml#	97
54) Acenaphthylene	7.071	152	939390	23.903	ug/ml	99
55) 2,6-Dinitrotoluene	7.049	165	153890	28.438	ug/ml#	75
56) 1,2-Dinitrobenzene	7.089	168	55846	26.330	ug/ml#	85
66) 3-Nitroaniline	7.201	138	166040	31.088	ug/ml#	84
67) Acenaphthene	7.245	154	538516	24.240	ug/ml	88
68) 2,4-Dinitrophenol	7.297	184	103900	29.978	ug/ml#	82
69) Dibenzofuran	7.412	168	916582	23.840	ug/ml#	84
70) 2,4-Dinitrotoluene	7.431	165	216744	29.400	ug/ml#	77
71) 4-Nitrophenol	7.403	65	127663	30.141	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	227154	29.182	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.549	232	216190	28.230	ug/ml	98
74) Diethyl phthalate	7.698	149	744890	24.650	ug/ml	99
75) Fluorene	7.739	166	719758	23.879	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	367884	23.641	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.789	138	168641	28.451	ug/ml#	77
78)	4,6-Dinitro-o-cresol	7.820	198	138975	26.395	ug/ml#	56
79)	NDPA/DPA	7.885	169	622751	23.934	ug/ml	92
80)	Azobenzene	7.916	77	627012	25.882	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	242429	24.482	ug/ml#	81
83)	Hexachlorobenzene	8.273	284	302652	24.162	ug/ml#	80
84)	Pentachlorophenol	8.469	266	205928	30.229	ug/ml	98
91)	Phenanthrene	8.649	178	1171950	24.257	ug/ml	99
92)	Anthracene	8.699	178	1188072	24.871	ug/ml	98
93)	Carbazole	8.873	167	1104845	24.499	ug/ml	98
94)	Di-n-butylphthalate	9.274	149	1359271	27.329	ug/ml#	98
95)	Fluoranthene	9.787	202	1432553	23.955	ug/ml#	92
96)	Benzidine	9.952	184	909574	26.677	ug/ml#	94
97)	Pyrene	9.995	202	1520824	23.903	ug/ml	99
99)	Butyl benzyl phthalate	10.710	149	633434	29.840	ug/ml#	82
107)	Benzo(a)anthracene	11.189	228	1557344	24.199	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.201	252	649490	27.522	ug/ml#	96
109)	Chrysene	11.226	228	1498919	24.158	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.338	149	1001664	29.324	ug/ml#	89
111)	Di-n-octylphthalate	11.997	149	1719798	30.611	ug/ml#	72
112)	Benzo(b)fluoranthene	12.261	252	1643646	24.907	ug/ml#	93
113)	Benzo(k)fluoranthene	12.289	252	1666923	25.624	ug/ml#	93
114)	Benzo(a)pyrene	12.563	252	1571883M2	26.120	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.557	276	1785537	26.214	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.582	278	1693306	25.311	ug/ml#	89
118)	Benzo(ghi)perylene	13.769	276	1629094	25.150	ug/ml#	86

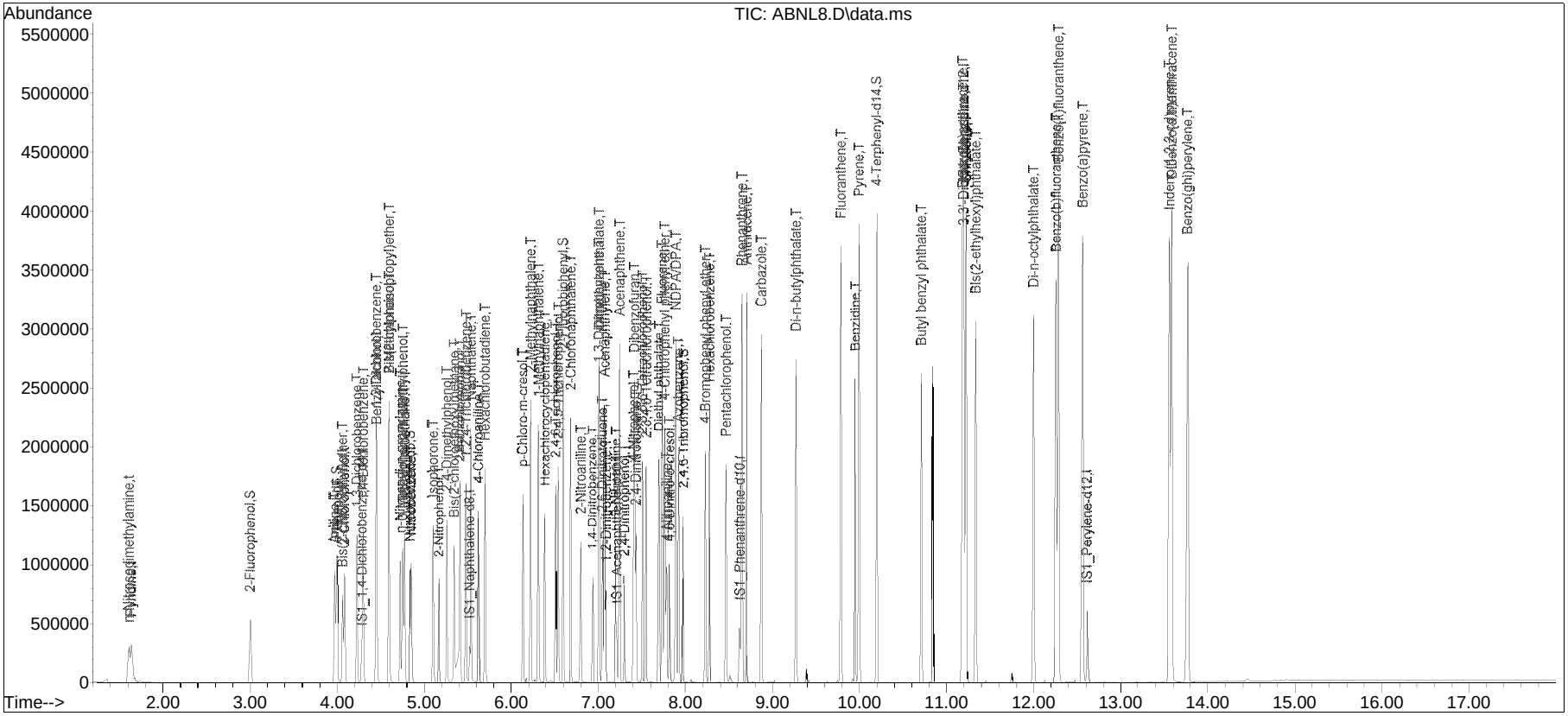
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

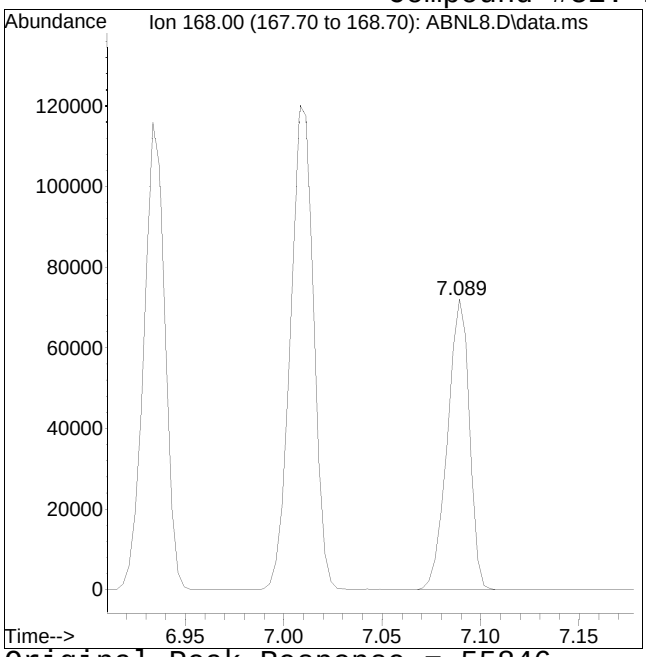
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

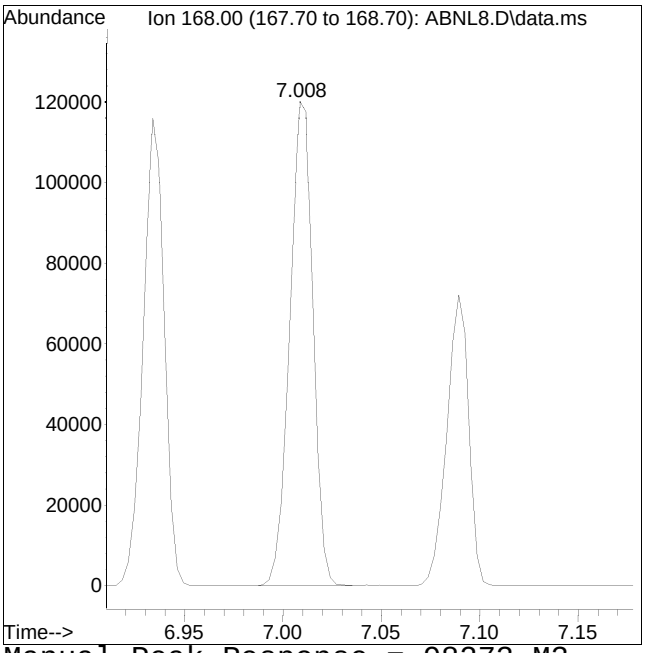


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL8.D
Date Inj'd : 11/5/2024 5:23 pm
Sample : IL3,32,,ABNL25 Lot# 11112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #52: 1,3-Dinitrobenzene





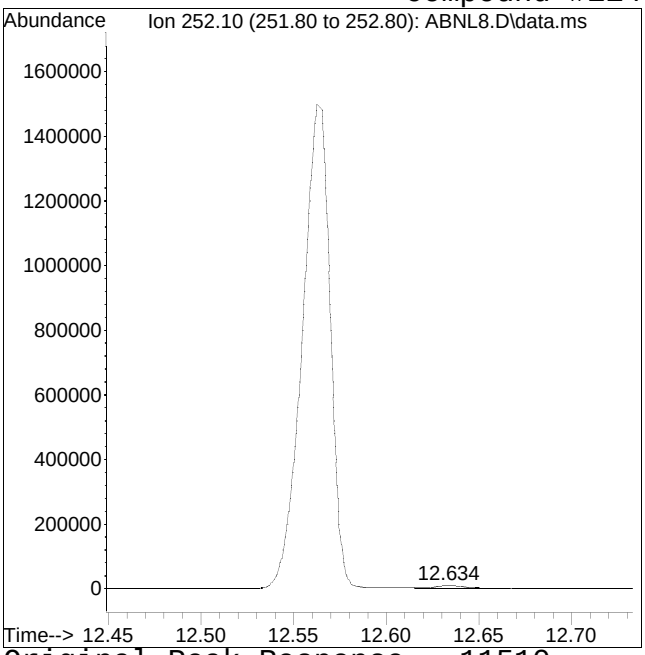
Original Peak Response = 55846 Manual Peak Response = 98273 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

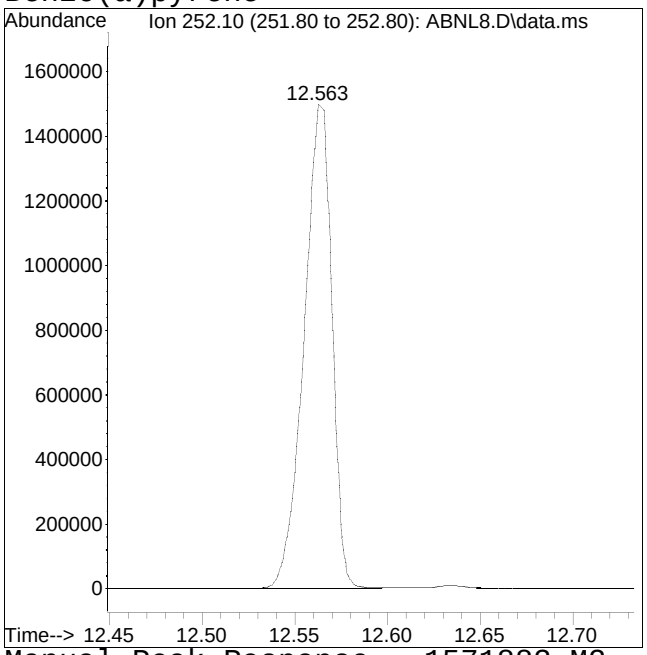
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL8.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 5:23 pm Instrument : Dakota
Sample : IL3,32,,ABNL25 Lot# 11112 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 11510



Manual Peak Response = 1571883 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	30017	4.000	ug/ml	# 0.00
Standard Area 1 = 28960			Recovery = 103.65%			
37) IS1_Naphthalene-d8	5.520	136	110693	4.000	ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 102.91%			
65) IS1_Acenaphthene-d10	7.210	164	71339	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 102.57%			
90) IS1_Phenanthrene-d10	8.625	188	152962	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 102.10%			
106) IS1_Chrysene-d12	11.192	240	173819	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.45%			
115) IS1_Perylene-d12	12.609	264	202944	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 99.80%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	75910	10.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 537.50%#			
7) Phenol-d6	3.987	99	95741	10.548	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 527.40%#			
19) Nitrobenzene-d5	4.833	82	89064	10.771	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1077.10%#			
48) 2-Fluorobiphenyl	6.592	172	249603	8.828	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 882.80%#			
81) 2,4,6-Tribromophenol	7.969	330	49268	10.594	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.70%#			
98) 4-Terphenyl-d14	10.191	244	402353	9.752	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 975.20%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.597	74	46870	9.752	ug/ml#	80
3) Pyridine	1.628	79	77978	10.362	ug/ml#	59
5) Aniline	3.966	93	113575	9.660	ug/ml	96
6) 2-Chlorophenol	4.077	128	91502	10.713	ug/ml#	88
8) Phenol	4.000	94	103024	9.703	ug/ml	95
9) Bis(2-chloroethyl)ether	4.056	93	74057	9.848	ug/ml	96
10) 1,3-Dichlorobenzene	4.224	146	112322	8.936	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	113494	9.259	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	108571	9.223	ug/ml	93
13) Benzyl alcohol	4.450	79	69764	10.524	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	128127	8.368	ug/ml#	60

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	78768	10.532	ug/ml	100
16) Hexachloroethane	4.771	117	41863	9.401	ug/ml#	51
17) n-Nitrosodi-n-propylamine	4.721	70	62227	9.956	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	83179	10.483	ug/ml	98
20) Nitrobenzene	4.848	77	90914	10.381	ug/ml	97
21) Isophorone	5.094	82	163635	10.130	ug/ml	94
22) 2-Nitrophenol	5.165	139	46777	12.632	ug/ml#	87
23) 2,4-Dimethylphenol	5.259	107	80631	10.752	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	101509	9.895	ug/ml#	97
25) 2,4-Dichlorophenol	5.408	162	93402	10.006	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	110668	8.990	ug/ml	96
38) Naphthalene	5.538	128	279417	9.412	ug/ml	99
39) Benzoic Acid	5.367	105	62503	10.680	ug/ml	91
40) 4-Chloroaniline	5.619	65	31494	8.120	ug/ml#	65
41) Hexachlorobutadiene	5.697	225	68910	8.921	ug/ml	100
42) p-Chloro-m-cresol	6.126	107	76197	9.889	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	195484	9.341	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	62192	9.104	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	75925	10.228	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	78117	9.541	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	86553	9.617	ug/ml	97
49) 2-Chloronaphthalene	6.679	162	214208	8.752	ug/ml	93
50) 2-Nitroaniline	6.797	138	61633	11.076	ug/ml#	78
51) 1,4-Dinitrobenzene	6.931	168	28021	10.093	ug/ml	80
52) 1,3-Dinitrobenzene	7.005	168	32467	9.834	ug/ml#	1
53) Dimethyl phthalate	7.005	163	252504	8.675	ug/ml#	98
54) Acenaphthylene	7.071	152	326834	9.182	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	51689	10.546	ug/ml#	75
56) 1,2-Dinitrobenzene	7.083	168	19215	10.003	ug/ml#	1
66) 3-Nitroaniline	7.195	138	57722	12.122	ug/ml#	82
67) Acenaphthene	7.242	154	187097	9.447	ug/ml	88
68) 2,4-Dinitrophenol	7.294	184	32967	10.669	ug/ml#	82
69) Dibenzofuran	7.409	168	323476	9.437	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	73085	11.120	ug/ml#	76
71) 4-Nitrophenol	7.397	65	42265	11.193	ug/ml#	27
72) 2,3,5,6-Tetrachlorophenol	7.506	232	76542	11.030	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.546	232	75038	10.990	ug/ml	99
74) Diethyl phthalate	7.692	149	257720	9.566	ug/ml	98
75) Fluorene	7.736	166	249496	9.285	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	127708	9.205	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.776	138	56545	10.700	ug/ml#	78
78)	4,6-Dinitro-o-cresol	7.810	198	44733	9.776	ug/ml#	57
79)	NDPA/DPA	7.882	169	214404	9.243	ug/ml	92
80)	Azobenzene	7.913	77	215745	9.989	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	84538	9.576	ug/ml#	80
83)	Hexachlorobenzene	8.270	284	103252	9.246	ug/ml#	79
84)	Pentachlorophenol	8.466	266	67607	11.132	ug/ml	99
91)	Phenanthrene	8.646	178	409956	9.459	ug/ml	99
92)	Anthracene	8.693	178	407125	9.501	ug/ml	98
93)	Carbazole	8.867	167	382642	9.459	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	460432	10.320	ug/ml#	98
95)	Fluoranthene	9.784	202	502795	9.373	ug/ml#	92
96)	Benzidine	9.946	184	312907	10.231	ug/ml#	94
97)	Pyrene	9.992	202	534393	9.364	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	207056	10.874	ug/ml#	82
107)	Benzo(a)anthracene	11.186	228	548250	9.559	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.198	252	225540	10.724	ug/ml#	97
109)	Chrysene	11.220	228	521142	9.424	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.338	149	336797	11.063	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	571767	11.419	ug/ml#	72
112)	Benzo(b)fluoranthene	12.255	252	579285	9.850	ug/ml#	93
113)	Benzo(k)fluoranthene	12.283	252	591670	10.206	ug/ml#	93
114)	Benzo(a)pyrene	12.556	252	548576	10.228	ug/ml#	93
116)	Indeno(1,2,3-cd)pyrene	13.548	276	610183	9.829	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.573	278	601923	9.872	ug/ml#	89
118)	Benzo(ghi)perylene	13.759	276	576728	9.769	ug/ml#	86

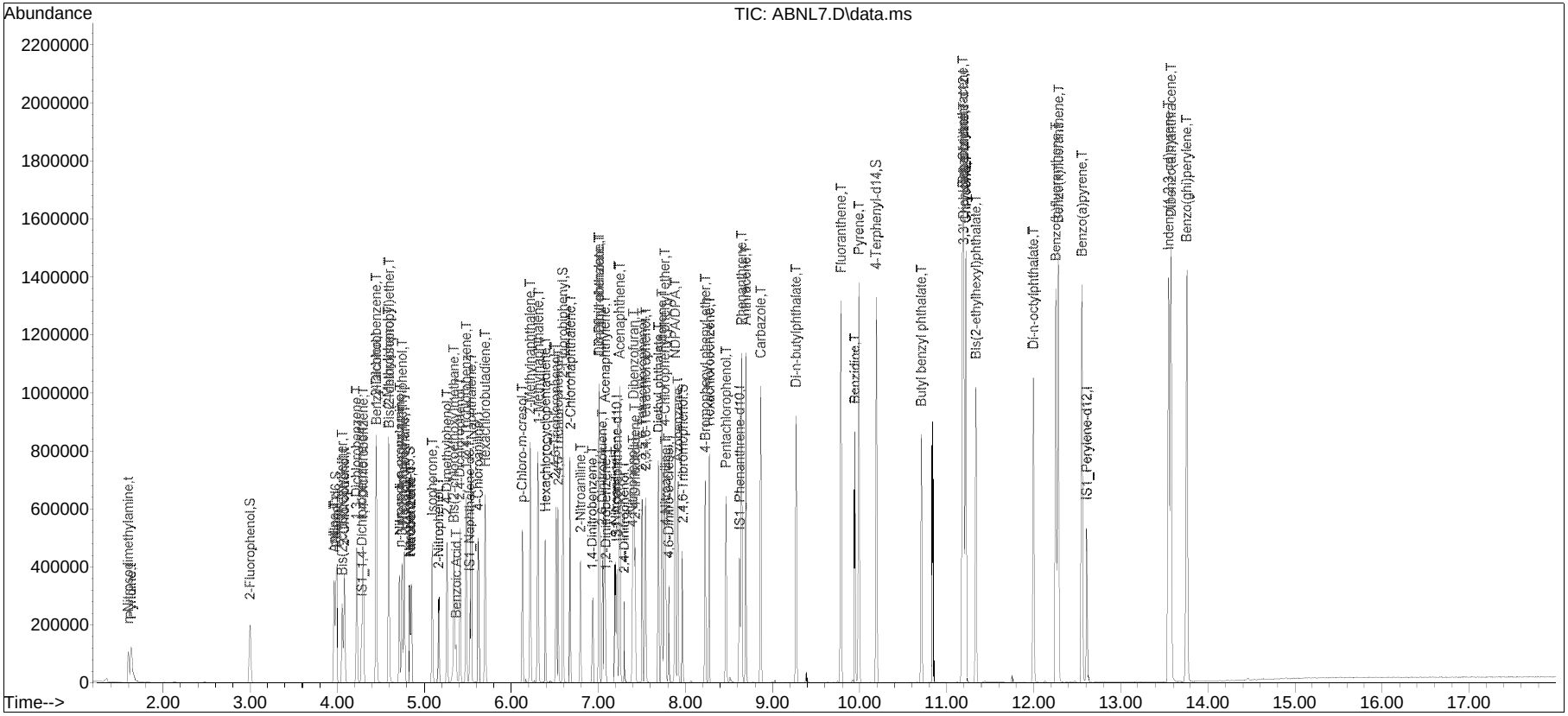
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 5:46 pm	Instrument	: Dakota
Sample	: IL4,32,,ABNL10 Lot# 11113	Quant Date	: 11/6/2024 8:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	28960	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 100.00%		
37) IS1_Naphthalene-d8	5.520	136	107558	4.000 ug/ml #	0.00
Standard Area 1 = 107558			Recovery = 100.00%		
65) IS1_Acenaphthene-d10	7.210	164	69553	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 100.00%		
90) IS1_Phenanthrene-d10	8.625	188	149813	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.00%		
106) IS1_Chrysene-d12	11.192	240	173036	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.00%		
115) IS1_Perylene-d12	12.609	264	203359	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	36379	5.340 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 267.00%#		
7) Phenol-d6	3.984	99	46206	5.277 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 263.85%#		
19) Nitrobenzene-d5	4.833	82	42587	5.338 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 533.80%#		
48) 2-Fluorobiphenyl	6.592	172	122549	4.460 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 446.00%#		
81) 2,4,6-Tribromophenol	7.969	330	23686	5.224 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 261.20%#		
98) 4-Terphenyl-d14	10.191	244	199652	4.941 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 494.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	22399	4.830 ug/ml	82
3) Pyridine	1.634	79	36774	5.065 ug/ml#	62
5) Aniline	3.969	93	55552	4.897 ug/ml	96
6) 2-Chlorophenol	4.077	128	43820	5.318 ug/ml#	88
8) Phenol	3.997	94	50251	4.906 ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	35511	4.895 ug/ml	100
10) 1,3-Dichlorobenzene	4.223	146	54655	4.507 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	55620	4.703 ug/ml	95
12) 1,2-Dichlorobenzene	4.447	146	53065	4.672 ug/ml	93
13) Benzyl alcohol	4.450	79	33022	5.163 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	61759	4.181 ug/ml#	61

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	36689	5.085	ug/ml	99
16) Hexachloroethane	4.774	117	19654	4.575	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	29429	4.880	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	40096	5.238	ug/ml	98
20) Nitrobenzene	4.848	77	43553	5.155	ug/ml	95
21) Isophorone	5.094	82	78642	5.046	ug/ml	95
22) 2-Nitrophenol	5.165	139	21659	6.062	ug/ml#	85
23) 2,4-Dimethylphenol	5.255	107	38443	5.313	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	48954	4.946	ug/ml	97
25) 2,4-Dichlorophenol	5.408	162	45088	5.007	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.479	180	53442	4.500	ug/ml	96
38) Naphthalene	5.538	128	137444	4.765	ug/ml	99
39) Benzoic Acid	5.346	105	27655	5.748	ug/ml	91
40) 4-Chloroaniline	5.622	65	15918	4.223	ug/ml#	74
41) Hexachlorobutadiene	5.697	225	33657	4.484	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	37630	5.026	ug/ml	90
43) 2-Methylnaphthalene	6.216	142	94136	4.630	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	31140	4.691	ug/ml	96
45) Hexachlorocyclopentadiene	6.390	237	36194	5.018	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	37386	4.699	ug/ml	96
47) 2,4,5-Trichlorophenol	6.539	196	40448	4.625	ug/ml	99
49) 2-Chloronaphthalene	6.679	162	107403	4.516	ug/ml#	91
50) 2-Nitroaniline	6.797	138	29098	5.381	ug/ml#	76
51) 1,4-Dinitrobenzene	6.931	168	12684	4.702	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	15384	4.796	ug/ml#	1
53) Dimethyl phthalate	7.002	163	124096	4.387	ug/ml#	98
54) Acenaphthylene	7.067	152	159055	4.599	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	25000	5.250	ug/ml#	75
56) 1,2-Dinitrobenzene	7.080	168	9417	5.045	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26990	5.814	ug/ml#	85
67) Acenaphthene	7.241	154	92335	4.782	ug/ml	89
68) 2,4-Dinitrophenol	7.291	184	14980	4.972	ug/ml#	84
69) Dibenzofuran	7.409	168	158615	4.746	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	34950	5.454	ug/ml	86
71) 4-Nitrophenol	7.397	65	20265	5.504	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	36982	5.466	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.546	232	35881	5.390	ug/ml	98
74) Diethyl phthalate	7.689	149	124775	4.750	ug/ml	98
75) Fluorene	7.736	166	123482	4.713	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	62734	4.638	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77)	4-Nitroaniline	7.773	138	27164	5.272	ug/ml	#	79
78)	4,6-Dinitro-o-cresol	7.807	198	21012	4.910	ug/ml	#	57
79)	NDPA/DPA	7.879	169	106063	4.690	ug/ml		93
80)	Azobenzene	7.910	77	105738	5.022	ug/ml		98
82)	4-Bromophenyl phenyl e...	8.227	248	41201	4.787	ug/ml	#	80
83)	Hexachlorobenzene	8.267	284	50912	4.676	ug/ml	#	80
84)	Pentachlorophenol	8.463	266	31065	5.246	ug/ml		97
91)	Phenanthrene	8.646	178	203180	4.787	ug/ml		100
92)	Anthracene	8.693	178	202631	4.828	ug/ml		99
93)	Carbazole	8.867	167	191087	4.823	ug/ml		99
94)	Di-n-butylphthalate	9.271	149	221941	5.079	ug/ml	#	98
95)	Fluoranthene	9.784	202	247376	4.709	ug/ml	#	92
96)	Benzidine	9.945	184	150013	5.008	ug/ml	#	94
97)	Pyrene	9.989	202	267661	4.788	ug/ml		99
99)	Butyl benzyl phthalate	10.707	149	97439	5.225	ug/ml	#	82
107)	Benzo(a)anthracene	11.183	228	270494	4.738	ug/ml		99
108)	3,3'-Dichlorobenzidine	11.195	252	108876	5.200	ug/ml	#	96
109)	Chrysene	11.217	228	264748	4.809	ug/ml		99
110)	Bis(2-ethylhexyl)phtha...	11.335	149	158349	5.225	ug/ml	#	89
111)	Di-n-octylphthalate	11.994	149	263131	5.279	ug/ml	#	71
112)	Benzo(b)fluoranthene	12.252	252	283903	4.849	ug/ml	#	94
113)	Benzo(k)fluoranthene	12.280	252	293103	5.079	ug/ml	#	92
114)	Benzo(a)pyrene	12.553	252	266408	4.990	ug/ml	#	93
116)	Indeno(1,2,3-cd)pyrene	13.545	276	297219	4.778	ug/mL	#	88
117)	Dibenzo(a,h)anthracene	13.570	278	297184	4.864	ug/ml	#	89
118)	Benzo(ghi)perylene	13.753	276	284158	4.803	ug/ml	#	86

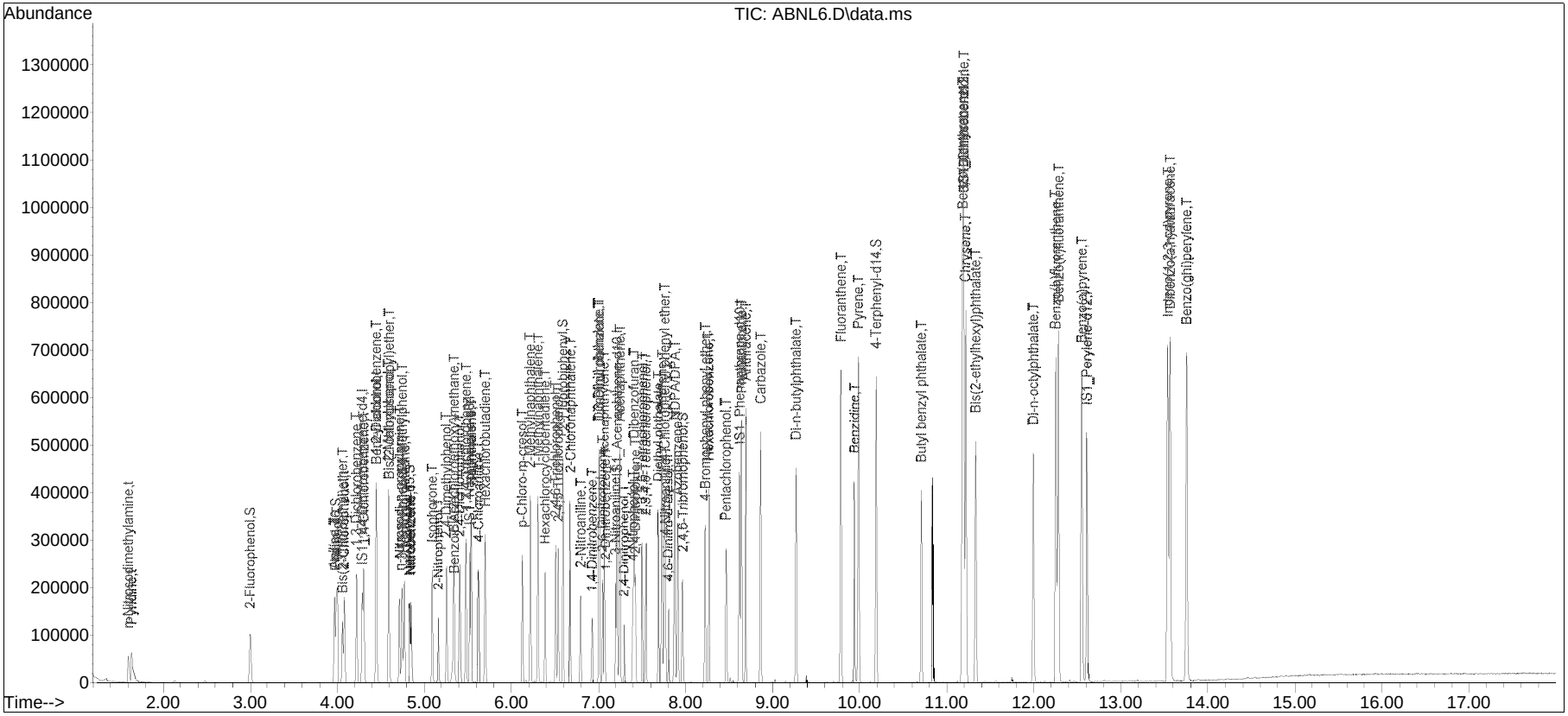
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 6:09 pm	Instrument	: Dakota
Sample	: IL5,32,,ABNL5 Lot# 11114	Quant Date	: 11/6/2024 8:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29578	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.13%		
37) IS1_Naphthalene-d8	5.520	136	108514	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.89%		
65) IS1_Acenaphthene-d10	7.210	164	69464	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 99.87%		
90) IS1_Phenanthrene-d10	8.622	188	149902	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.06%		
106) IS1_Chrysene-d12	11.192	240	171800	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 99.29%		
115) IS1_Perylene-d12	12.609	264	200787	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 98.74%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	16767	2.410 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 120.50%#		
7) Phenol-d6	3.984	99	20488	2.291 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 114.55%#		
19) Nitrobenzene-d5	4.833	82	19806	2.431 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 243.10%#		
48) 2-Fluorobiphenyl	6.592	172	57800	2.085 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 208.50%#		
81) 2,4,6-Tribromophenol	7.969	330	10800	2.385 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 119.25%#		
98) 4-Terphenyl-d14	10.191	244	94387	2.334 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 233.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.607	74	10936	2.309 ug/ml#	79
3) Pyridine	1.647	79	17761	2.395 ug/ml#	57
5) Aniline	3.969	93	26004	2.245 ug/ml	97
6) 2-Chlorophenol	4.081	128	20780	2.469 ug/ml#	87
8) Phenol	3.997	94	23244	2.222 ug/ml	95
9) Bis(2-chloroethyl)ether	4.059	93	17155	2.315 ug/ml	95
10) 1,3-Dichlorobenzene	4.224	146	25363	2.048 ug/ml	93
11) 1,4-Dichlorobenzene	4.298	146	26480	2.192 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	25558	2.203 ug/ml	93
13) Benzyl alcohol	4.450	79	15128	2.316 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	29769	1.973 ug/ml#	63

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	17543	2.380	ug/ml	99
16) Hexachloroethane	4.771	117	9381	2.138	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	13382	2.173	ug/ml#	89
18) 3-Methylphenol/4-Methy...	4.749	108	18226	2.331	ug/ml	94
20) Nitrobenzene	4.851	77	19986	2.316	ug/ml	97
21) Isophorone	5.097	82	35708	2.243	ug/ml	94
22) 2-Nitrophenol	5.165	139	9948	2.726	ug/ml#	87
23) 2,4-Dimethylphenol	5.255	107	17802	2.409	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.339	93	22852	2.261	ug/ml#	96
25) 2,4-Dichlorophenol	5.408	162	20663	2.247	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	24934	2.056	ug/ml	97
38) Naphthalene	5.538	128	65418	2.248	ug/ml	99
39) Benzoic Acid	5.330	105	11562	3.334	ug/ml	92
40) 4-Chloroaniline	5.622	65	7308	1.922	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	15656	2.068	ug/ml	98
42) p-Chloro-m-cresol	6.126	107	16669	2.207	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	44702	2.179	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	14070	2.101	ug/ml	91
45) Hexachlorocyclopentadiene	6.390	237	16271	2.236	ug/ml	98
46) 2,4,6-Trichlorophenol	6.508	196	16943	2.111	ug/ml	97
47) 2,4,5-Trichlorophenol	6.536	196	18833	2.135	ug/ml	100
49) 2-Chloronaphthalene	6.676	162	49375	2.058	ug/ml#	93
50) 2-Nitroaniline	6.794	138	12454	2.283	ug/ml#	80
51) 1,4-Dinitrobenzene	6.931	168	5829M3	2.142	ug/ml	
52) 1,3-Dinitrobenzene	7.002	168	6632	2.049	ug/ml#	1
53) Dimethyl phthalate	7.002	163	58737	2.058	ug/ml#	98
54) Acenaphthylene	7.067	152	74072	2.123	ug/ml	99
55) 2,6-Dinitrotoluene	7.040	165	11316	2.355	ug/ml#	73
56) 1,2-Dinitrobenzene	7.080	168	4222	2.242	ug/ml#	1
66) 3-Nitroaniline	7.192	138	12311	2.655	ug/ml	87
67) Acenaphthene	7.238	154	43594	2.260	ug/ml	90
68) 2,4-Dinitrophenol	7.294	184	6486	2.156	ug/ml#	81
69) Dibenzofuran	7.409	168	75940	2.275	ug/ml	89
70) 2,4-Dinitrotoluene	7.422	165	15676	2.449	ug/ml	89
71) 4-Nitrophenol	7.394	65	9042	2.459	ug/ml#	30
72) 2,3,5,6-Tetrachlorophenol	7.503	232	16922	2.504	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.543	232	16643	2.503	ug/ml	97
74) Diethyl phthalate	7.689	149	59292	2.260	ug/ml	97
75) Fluorene	7.736	166	56914	2.175	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	29670	2.196	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	11929	2.318	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.807	198	9125	2.353	ug/ml#	58
79)	NDPA/DPA	7.879	169	49243	2.180	ug/ml	93
80)	Azobenzene	7.910	77	48438	2.303	ug/ml	99
82)	4-Bromophenyl phenyl e...	8.224	248	19203	2.234	ug/ml#	78
83)	Hexachlorobenzene	8.267	284	24775	2.278	ug/ml#	79
84)	Pentachlorophenol	8.463	266	13677	2.313	ug/ml	99
91)	Phenanthrene	8.643	178	95445	2.247	ug/ml	100
92)	Anthracene	8.693	178	95270	2.269	ug/ml	99
93)	Carbazole	8.867	167	89548	2.259	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	99712	2.281	ug/ml#	98
95)	Fluoranthene	9.781	202	117123	2.228	ug/ml#	91
96)	Benzidine	9.946	184	66293	2.212	ug/ml#	94
97)	Pyrene	9.989	202	126787	2.267	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	42406	2.272	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	124996	2.205	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	48853	2.350	ug/ml#	97
109)	Chrysene	11.217	228	124749	2.283	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	67600	2.247	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	110289	2.229	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	137623	2.368	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	129836	2.266	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	121012	2.283	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	132618	2.159	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.567	278	135000	2.238	ug/ml#	89
118)	Benzo(ghi)perylene	13.753	276	128448	2.199	ug/ml#	85

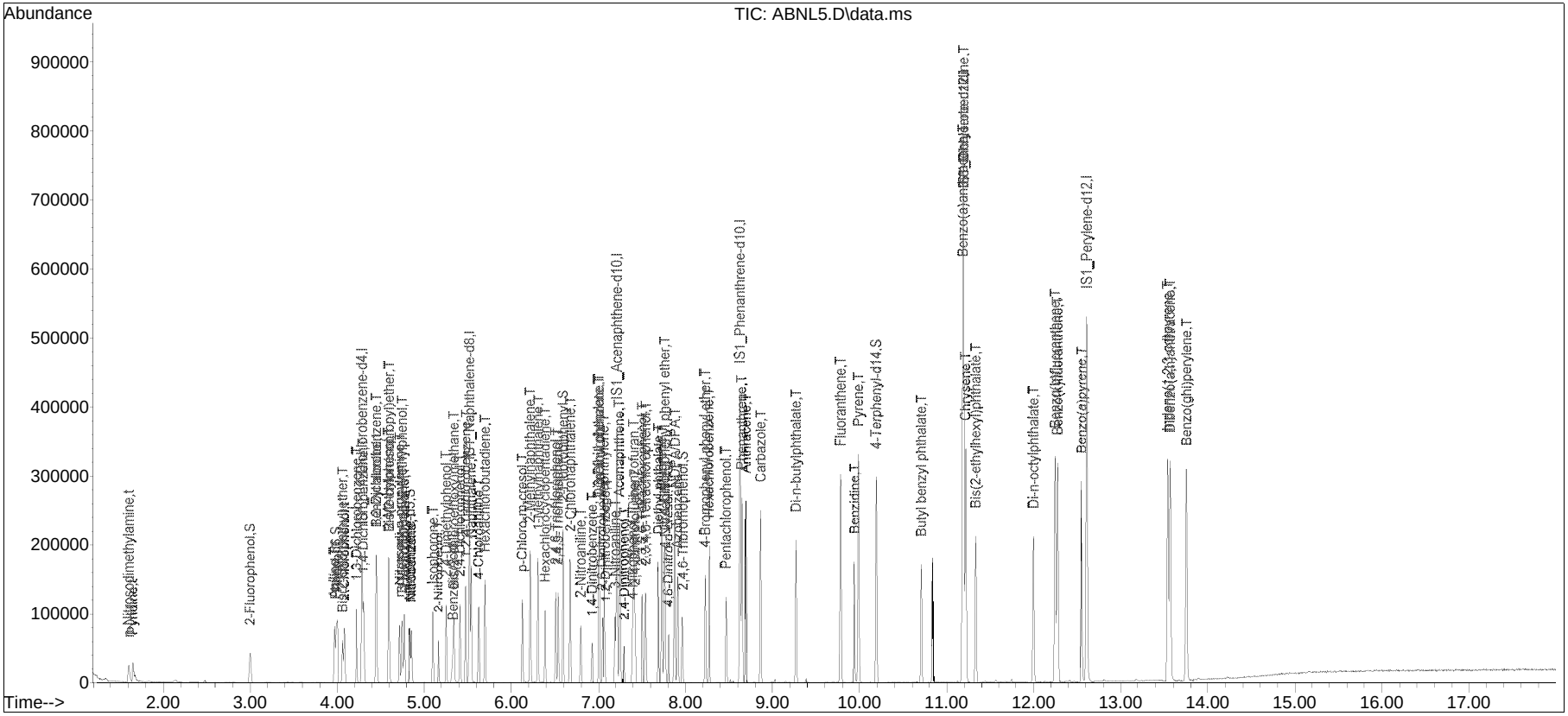
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

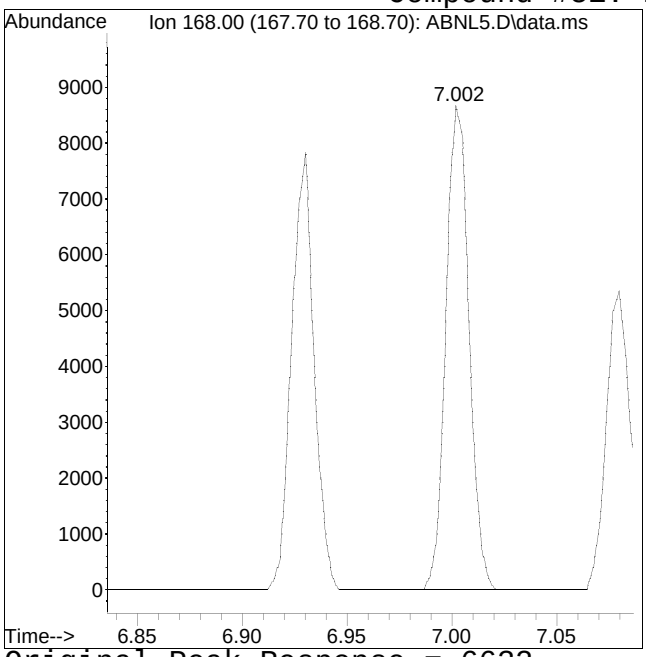
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

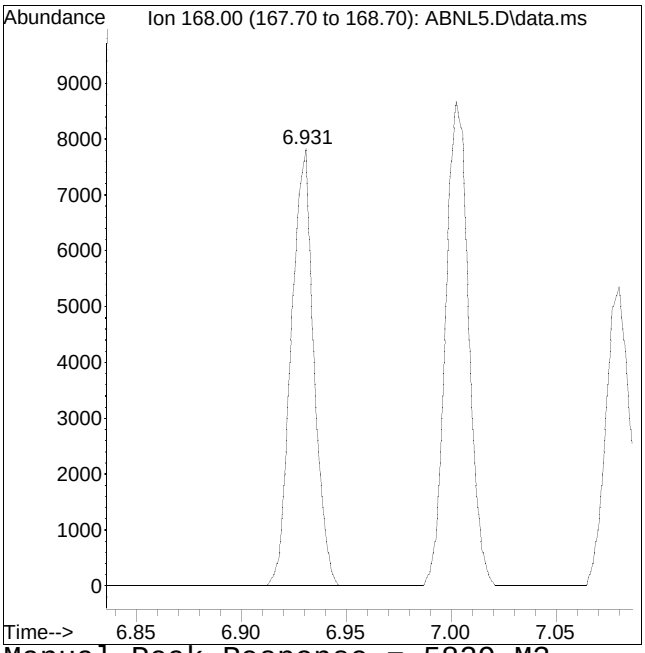


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL5.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 6:33 pm Instrument : Dakota
Sample : IL6,32,,ABNL2.5 Lot# 11115Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





Original Peak Response = 6632 Manual Peak Response = 5829 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	29645	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.37%		
37) IS1_Naphthalene-d8	5.520	136	107897	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.32%		
65) IS1_Acenaphthene-d10	7.210	164	70461	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 101.31%		
90) IS1_Phenanthrene-d10	8.621	188	156225	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 104.28%		
106) IS1_Chrysene-d12	11.189	240	175608	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 101.49%		
115) IS1_Perylene-d12	12.609	264	207118	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 101.85%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	7494	1.075 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.75%		
7) Phenol-d6	3.987	99	9495	1.059 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.95%		
19) Nitrobenzene-d5	4.833	82	8830	1.081 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 108.10%		
48) 2-Fluorobiphenyl	6.592	172	25387	0.921 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 92.10%		
81) 2,4,6-Tribromophenol	7.966	330	4669	1.016 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.80%		
98) 4-Terphenyl-d14	10.191	244	42632	1.012 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 101.20%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.613	74	4871	1.026 ug/ml#	81
3) Pyridine	1.662	79	7733M1	1.040 ug/ml	
5) Aniline	3.969	93	11096	0.956 ug/ml	97
6) 2-Chlorophenol	4.081	128	8901	1.055 ug/ml#	89
8) Phenol	4.000	94	10249	0.977 ug/ml	92
9) Bis(2-chloroethyl)ether	4.062	93	7130	0.960 ug/ml	94
10) 1,3-Dichlorobenzene	4.227	146	11504	0.927 ug/ml	95
11) 1,4-Dichlorobenzene	4.301	146	11645	0.962 ug/ml	97
12) 1,2-Dichlorobenzene	4.447	146	11305	0.972 ug/ml	93
13) Benzyl alcohol	4.450	79	6639	1.014 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	13142	0.869 ug/ml#	65

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	7654	1.036	ug/ml	98
16) Hexachloroethane	4.774	117	4414	1.004	ug/ml#	58
17) n-Nitrosodi-n-propylamine	4.721	70	6013	0.974	ug/ml#	84
18) 3-Methylphenol/4-Methy...	4.749	108	8547	1.091	ug/ml	99
20) Nitrobenzene	4.851	77	8609	0.995	ug/ml	97
21) Isophorone	5.097	82	15106	0.947	ug/ml	98
22) 2-Nitrophenol	5.168	139	4182	1.143	ug/ml#	84
23) 2,4-Dimethylphenol	5.255	107	7792	1.052	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.339	93	9871	0.974	ug/ml#	94
25) 2,4-Dichlorophenol	5.408	162	8821	0.957	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	11026	0.907	ug/ml	97
38) Naphthalene	5.538	128	28272	0.977	ug/ml	99
39) Benzoic Acid	5.321	105	4647	2.316	ug/ml	95
40) 4-Chloroaniline	5.622	65	3160	0.836	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	6855	0.910	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	7198	0.958	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	19005	0.932	ug/ml	94
44) 1-Methylnaphthalene	6.309	115	6294	0.945	ug/ml	92
45) Hexachlorocyclopentadiene	6.390	237	7064	0.976	ug/ml	95
46) 2,4,6-Trichlorophenol	6.508	196	7192	0.901	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	8343	0.951	ug/ml	94
49) 2-Chloronaphthalene	6.679	162	21923	0.919	ug/ml	93
50) 2-Nitroaniline	6.797	138	5587	1.030	ug/ml#	74
51) 1,4-Dinitrobenzene	6.928	168	2433	0.899	ug/ml	87
52) 1,3-Dinitrobenzene	7.005	168	2825	0.878	ug/ml#	1
53) Dimethyl phthalate	7.002	163	25243	0.890	ug/ml#	98
54) Acenaphthylene	7.067	152	32446	0.935	ug/ml	100
55) 2,6-Dinitrotoluene	7.039	165	4692	0.982	ug/ml#	77
56) 1,2-Dinitrobenzene	7.080	168	1810	0.967	ug/ml#	1
66) 3-Nitroaniline	7.192	138	5066	1.077	ug/ml#	88
67) Acenaphthene	7.238	154	19239	0.983	ug/ml	85
68) 2,4-Dinitrophenol	7.291	184	2292	0.751	ug/ml#	84
69) Dibenzofuran	7.409	168	34238	1.011	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	6155	0.948	ug/ml#	88
71) 4-Nitrophenol	7.394	65	3892	1.044	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	7152	1.043	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.546	232	7236	1.073	ug/ml	98
74) Diethyl phthalate	7.689	149	25683	0.965	ug/ml	97
75) Fluorene	7.736	166	26341	0.992	ug/ml	94
76) 4-Chlorophenyl phenyl ...	7.764	204	13510	0.986	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	5206	0.997	ug/ml	81
78)	4,6-Dinitro-o-cresol	7.807	198	3785	1.190	ug/ml#	56
79)	NDPA/DPA	7.879	169	22405	0.978	ug/ml	95
80)	Azobenzene	7.910	77	21474	1.007	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	8392	0.962	ug/ml#	80
83)	Hexachlorobenzene	8.267	284	10855	0.984	ug/ml#	81
84)	Pentachlorophenol	8.463	266	5643	0.941	ug/ml	96
91)	Phenanthrene	8.643	178	44283	1.000	ug/ml	99
92)	Anthracene	8.693	178	42879	0.980	ug/ml	99
93)	Carbazole	8.867	167	39554	0.957	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	43140	0.947	ug/ml	98
95)	Fluoranthene	9.781	202	52758	0.963	ug/ml#	92
96)	Benzidine	9.946	184	27185	0.870	ug/ml#	94
97)	Pyrene	9.989	202	57764	0.991	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	17465	0.898	ug/ml#	80
107)	Benzo(a)anthracene	11.183	228	56317	0.972	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	20507	0.965	ug/ml#	97
109)	Chrysene	11.217	228	56651	1.014	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	27758	0.903	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	44645	0.883	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	60227	1.014	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	57698	0.985	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	52945	0.977	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	56228	0.887	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	59013	0.948	ug/ml#	90
118)	Benzo(ghi)perylene	13.750	276	56806	0.943	ug/ml#	87

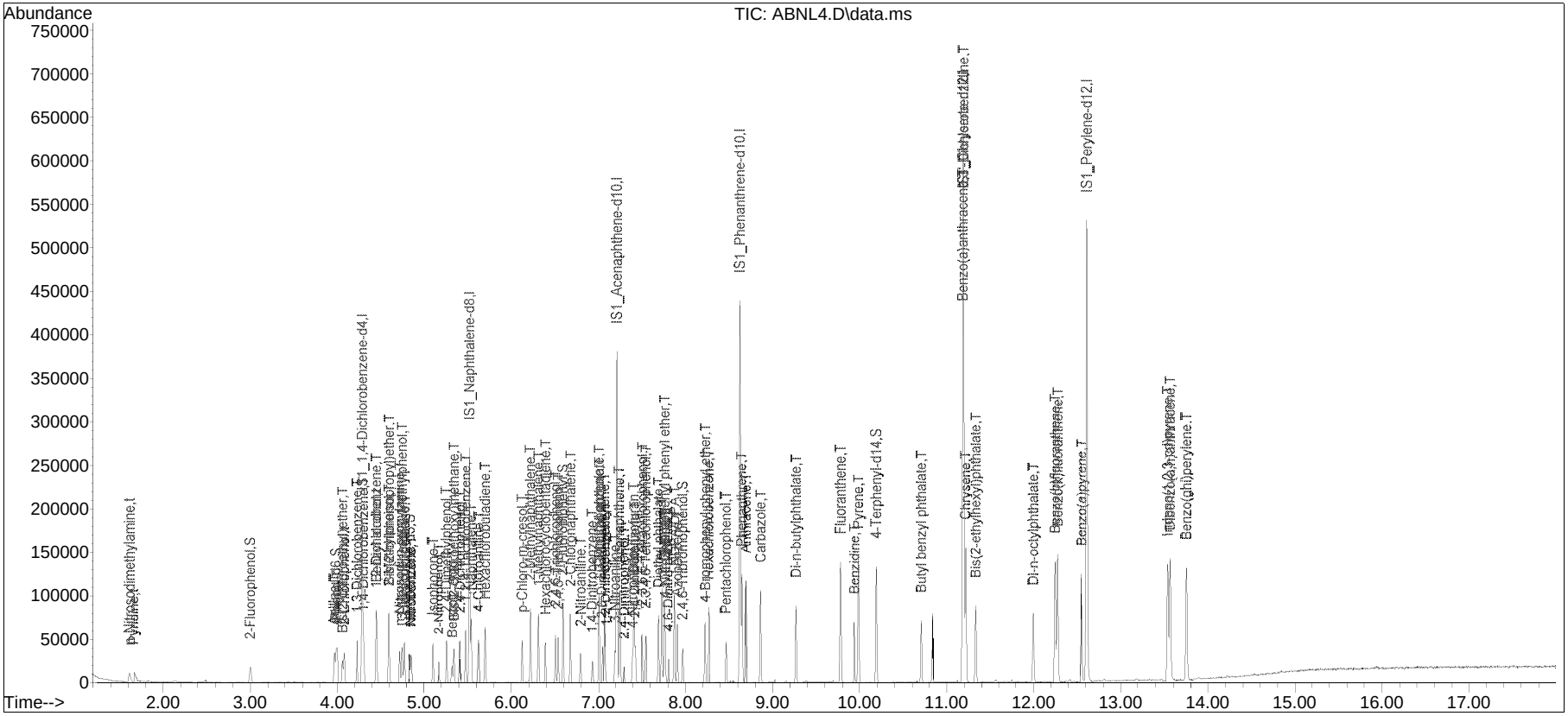
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

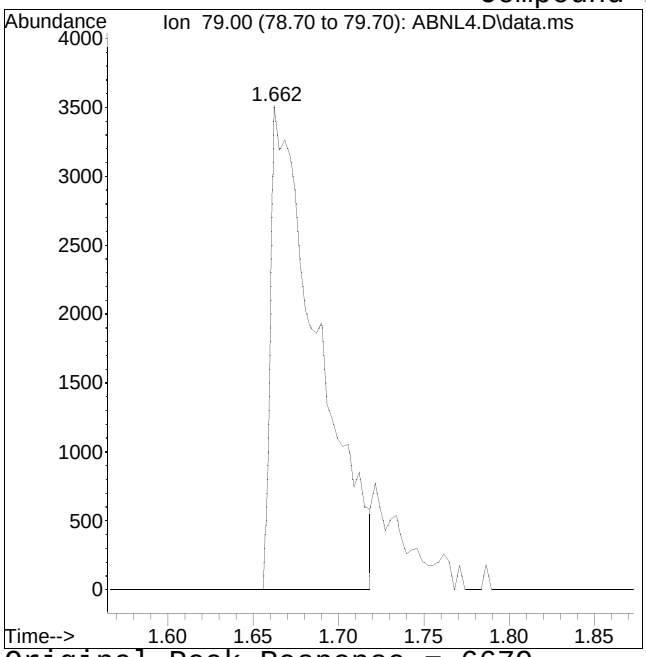
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

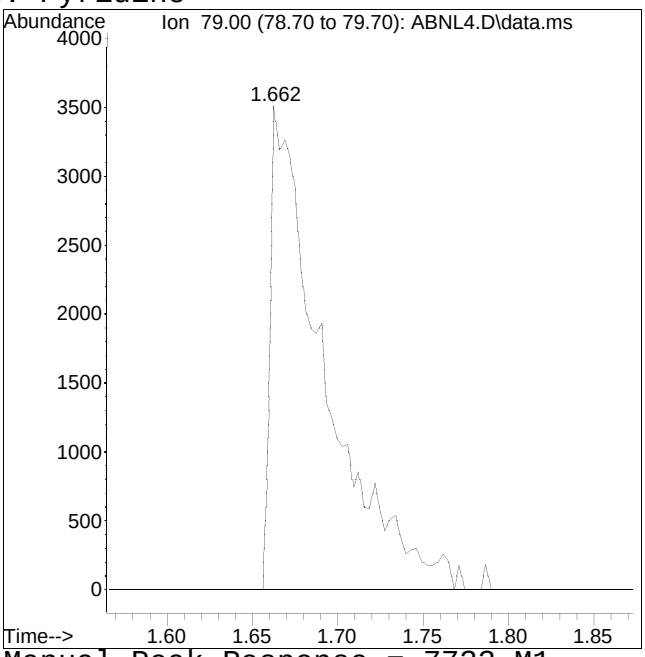


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL4.D
Date Inj'd : 11/5/2024 6:56 pm
Sample : IL7,32,,ABNL1 Lot# 11116
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine





Original Peak Response = 6679 Manual Peak Response = 7733 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29418	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 101.58%		
37) IS1_Naphthalene-d8	5.520	136	107040	4.000 ug/ml #	0.00
Standard Area 1 = 107558			Recovery = 99.52%		
65) IS1_Acenaphthene-d10	7.210	164	69588	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 100.05%		
90) IS1_Phenanthrene-d10	8.625	188	154469	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 103.11%		
106) IS1_Chrysene-d12	11.189	240	171586	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 99.16%		
115) IS1_Perylene-d12	12.609	264	198191	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 97.46%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	4114	0.594 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.70%		
7) Phenol-d6	3.984	99	5099	0.573 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.65%		
19) Nitrobenzene-d5	4.833	82	4322	0.533 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.30%		
48) 2-Fluorobiphenyl	6.592	172	14074	0.515 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 51.50%		
81) 2,4,6-Tribromophenol	7.969	330	2419	0.533 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.65%		
98) 4-Terphenyl-d14	10.191	244	23205	0.557 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.70%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.616	74	2320	0.493 ug/ml#	84
3) Pyridine	1.678	79	3401	0.461 ug/ml#	52
5) Aniline	3.969	93	6141	0.533 ug/ml#	95
6) 2-Chlorophenol	4.081	128	4589	0.548 ug/ml	91
8) Phenol	3.997	94	5365	0.516 ug/ml	98
9) Bis(2-chloroethyl)ether	4.062	93	3944	0.535 ug/ml#	73
10) 1,3-Dichlorobenzene	4.224	146	6253	0.508 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	5896	0.491 ug/ml	96
12) 1,2-Dichlorobenzene	4.447	146	6085	0.527 ug/ml	93
13) Benzyl alcohol	4.450	79	3277	0.504 ug/ml	92
14) Bis(2-chloroisopropyl)...	4.596	45	6779	0.452 ug/ml#	57

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	4182	0.571	ug/ml	98
16) Hexachloroethane	4.774	117	2279	0.522	ug/ml#	55
17) n-Nitrosodi-n-propylamine	4.724	70	3148	0.514	ug/ml#	83
18) 3-Methylphenol/4-Methy...	4.749	108	4315	0.555	ug/ml#	96
20) Nitrobenzene	4.851	77	4733	0.551	ug/ml	92
21) Isophorone	5.097	82	8339	0.527	ug/ml#	94
22) 2-Nitrophenol	5.168	139	2238	0.617	ug/ml#	83
23) 2,4-Dimethylphenol	5.255	107	3990	0.543	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.342	93	5699	0.567	ug/ml#	88
25) 2,4-Dichlorophenol	5.408	162	4928	0.539	ug/ml#	90
26) 1,2,4-Trichlorobenzene	5.479	180	5828	0.483	ug/ml#	93
38) Naphthalene	5.538	128	15620	0.544	ug/ml	99
39) Benzoic Acid	5.314	105	2055	1.933	ug/ml	93
40) 4-Chloroaniline	5.619	65	1649	0.440	ug/ml#	73
41) Hexachlorobutadiene	5.697	225	3809	0.510	ug/ml	97
42) p-Chloro-m-cresol	6.126	107	4123	0.553	ug/ml	94
43) 2-Methylnaphthalene	6.216	142	10794	0.533	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	3402	0.515	ug/ml	90
45) Hexachlorocyclopentadiene	6.390	237	3753	0.523	ug/ml#	92
46) 2,4,6-Trichlorophenol	6.508	196	3730	0.471	ug/ml	96
47) 2,4,5-Trichlorophenol	6.536	196	4171	0.479	ug/ml	94
49) 2-Chloronaphthalene	6.676	162	11828	0.500	ug/ml#	92
50) 2-Nitroaniline	6.797	138	2840	0.528	ug/ml#	79
51) 1,4-Dinitrobenzene	6.928	168	1198	0.446	ug/ml	98
52) 1,3-Dinitrobenzene	7.002	168	1608	0.504	ug/ml#	1
53) Dimethyl phthalate	7.002	163	13663	0.485	ug/ml#	93
54) Acenaphthylene	7.067	152	17423	0.506	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	2472	0.522	ug/ml#	72
56) 1,2-Dinitrobenzene	7.077	168	869	0.468	ug/ml#	1
66) 3-Nitroaniline	7.192	138	2555	0.550	ug/ml#	87
67) Acenaphthene	7.238	154	10391	0.538	ug/ml	86
68) 2,4-Dinitrophenol	7.294	184	1122	0.372	ug/ml#	60
69) Dibenzofuran	7.409	168	18140	0.543	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	3188	0.497	ug/ml#	87
71) 4-Nitrophenol	7.397	65	1815	0.493	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	3995	0.590	ug/ml	95
73) 2,3,4,6-Tetrachlorophenol	7.546	232	3636	0.546	ug/ml	95
74) Diethyl phthalate	7.686	149	14100	0.537	ug/ml	97
75) Fluorene	7.736	166	13902	0.530	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	7123	0.526	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	2602	0.505	ug/ml	82
78)	4,6-Dinitro-o-cresol	7.807	198	1926	0.800	ug/ml#	53
79)	NDPA/DPA	7.879	169	12162	0.537	ug/ml	95
80)	Azobenzene	7.910	77	11871	0.563	ug/ml	97
82)	4-Bromophenyl phenyl e...	8.227	248	4868	0.565	ug/ml#	77
83)	Hexachlorobenzene	8.270	284	5936	0.545	ug/ml#	81
84)	Pentachlorophenol	8.463	266	2717	0.459	ug/ml	95
91)	Phenanthrene	8.643	178	23436	0.535	ug/ml	96
92)	Anthracene	8.693	178	22990	0.531	ug/ml	98
93)	Carbazole	8.867	167	21414	0.524	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	23305	0.517	ug/ml#	98
95)	Fluoranthene	9.781	202	28196	0.521	ug/ml#	91
96)	Benzidine	9.946	184	13470	0.436	ug/ml#	94
97)	Pyrene	9.989	202	30155	0.523	ug/ml	98
99)	Butyl benzyl phthalate	10.707	149	9250	0.481	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	30189	0.533	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	10487	0.505	ug/ml#	97
109)	Chrysene	11.217	228	31185	0.571	ug/ml	99
110)	Bis(2-ethylhexyl)phtha...	11.335	149	14256	0.474	ug/ml#	89
111)	Di-n-octylphthalate	11.991	149	22394	0.453	ug/ml#	74
112)	Benzo(b)fluoranthene	12.252	252	31504	0.543	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	30567	0.534	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	26723	0.505	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	29560	0.488	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.567	278	30045	0.505	ug/ml#	89
118)	Benzo(ghi)perylene	13.750	276	30478	0.529	ug/ml#	84

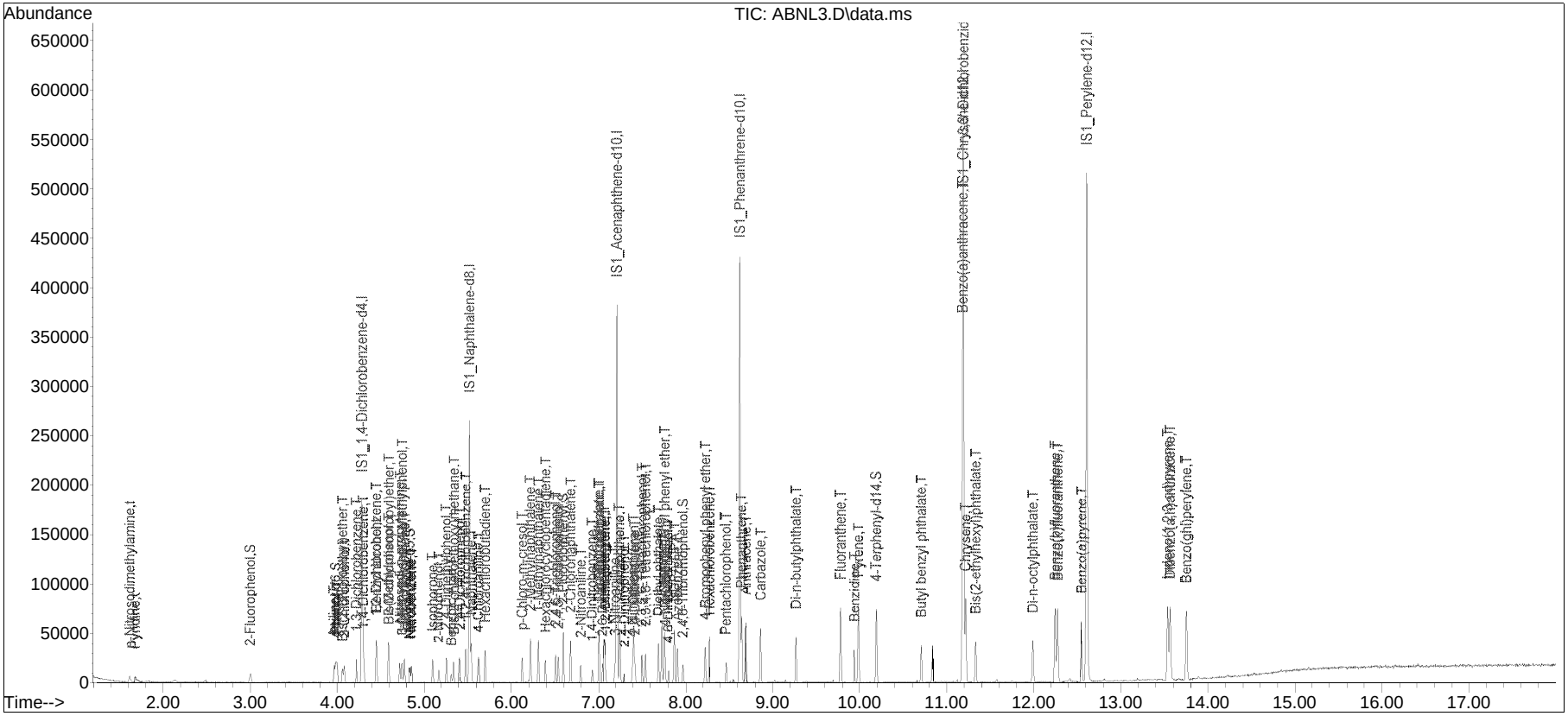
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 7:19 pm	Instrument	: Dakota
Sample	: IL8,32,,ABNL0.5 Lot# 11117	Quant Date	: 11/6/2024 8:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	26744	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 92.35%			
37) IS1_Naphthalene-d8	5.520	136	97597	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 90.74%			
65) IS1_Acenaphthene-d10	7.210	164	61798	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 88.85%			
90) IS1_Phenanthrene-d10	8.621	188	140419	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 93.73%			
106) IS1_Chrysene-d12	11.189	240	157363	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 90.94%			
115) IS1_Perylene-d12	12.609	264	178706	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 87.88%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.002	112	1343	0.213	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#			
7) Phenol-d6	3.984	99	1724	0.213	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#			
19) Nitrobenzene-d5	4.836	82	1535	0.208	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.80%#			
48) 2-Fluorobiphenyl	6.592	172	4771	0.191	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.10%#			
81) 2,4,6-Tribromophenol	7.969	330	885	0.220	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#			
98) 4-Terphenyl-d14	10.188	244	7997	0.211	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.619	74	731	0.171	ug/ml#	88
3) Pyridine	1.703	79	992	0.148	ug/ml#	1
5) Aniline	3.972	93	1909	0.182	ug/ml#	77
6) 2-Chlorophenol	4.077	128	1411	0.185	ug/ml#	71
8) Phenol	4.000	94	1770	0.187	ug/ml#	73
9) Bis(2-chloroethyl)ether	4.062	93	1212	0.181	ug/ml#	73
10) 1,3-Dichlorobenzene	4.227	146	1946M3	0.174	ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	2074	0.190	ug/ml	93
12) 1,2-Dichlorobenzene	4.450	146	2094	0.200	ug/ml	92
13) Benzyl alcohol	4.453	79	1147	0.194	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	2334	0.171	ug/ml#	51

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	1387	0.208	ug/ml#	89
16) Hexachloroethane	4.774	117	675	0.170	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.724	70	1115	0.200	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.749	108	1604	0.227	ug/ml#	96
20) Nitrobenzene	4.854	77	1500	0.192	ug/ml#	85
21) Isophorone	5.100	82	2890	0.201	ug/ml#	65
22) 2-Nitrophenol	5.165	139	785	0.238	ug/ml#	31
23) 2,4-Dimethylphenol	5.255	107	1345	0.201	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.339	93	1764	0.193	ug/ml#	89
25) 2,4-Dichlorophenol	5.408	162	1570	0.189	ug/ml#	75
26) 1,2,4-Trichlorobenzene	5.479	180	2035	0.186	ug/ml	88
38) Naphthalene	5.538	128	5444	0.208	ug/ml	99
39) Benzoic Acid	5.311	105	305M2	1.675	ug/ml	
40) 4-Chloroaniline	5.622	65	556	0.163	ug/ml#	56
41) Hexachlorobutadiene	5.697	225	1142	0.168	ug/ml	96
42) p-Chloro-m-cresol	6.126	107	1357	0.200	ug/ml#	82
43) 2-Methylnaphthalene	6.219	142	3600	0.195	ug/ml	95
44) 1-Methylnaphthalene	6.306	115	1113M3	0.185	ug/ml	
45) Hexachlorocyclopentadiene	6.390	237	1098	0.168	ug/ml#	87
46) 2,4,6-Trichlorophenol	6.508	196	1360	0.188	ug/ml#	83
47) 2,4,5-Trichlorophenol	6.539	196	1464	0.185	ug/ml#	83
49) 2-Chloronaphthalene	6.679	162	4378	0.203	ug/ml#	91
50) 2-Nitroaniline	6.794	138	967	0.197	ug/ml#	44
51) 1,4-Dinitrobenzene	6.928	168	309M2	0.126	ug/ml	
52) 1,3-Dinitrobenzene	7.005	168	453M2	0.156	ug/ml	
53) Dimethyl phthalate	7.002	163	4834	0.188	ug/ml#	77
54) Acenaphthylene	7.067	152	5876	0.187	ug/ml	100
55) 2,6-Dinitrotoluene	7.043	165	768	0.178	ug/ml#	50
56) 1,2-Dinitrobenzene	7.083	168	212M2	0.125	ug/ml	
66) 3-Nitroaniline	7.192	138	892	0.216	ug/ml#	67
67) Acenaphthene	7.238	154	3717	0.217	ug/ml	91
68) 2,4-Dinitrophenol	7.291	184	291M2	0.109	ug/ml	
69) Dibenzofuran	7.409	168	6564	0.221	ug/ml	96
70) 2,4-Dinitrotoluene	7.422	165	1006	0.177	ug/ml#	60
71) 4-Nitrophenol	7.394	65	638	0.195	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	1294	0.215	ug/ml	87
73) 2,3,4,6-Tetrachlorophenol	7.546	232	1161	0.196	ug/ml	92
74) Diethyl phthalate	7.686	149	4946	0.212	ug/ml	96
75) Fluorene	7.736	166	4961	0.213	ug/ml	87
76) 4-Chlorophenyl phenyl ...	7.761	204	2543	0.212	ug/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	798	0.174	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.810	198	460M2	0.497	ug/ml	
79)	NDPA/DPA	7.879	169	4188	0.208	ug/ml	88
80)	Azobenzene	7.910	77	4014	0.215	ug/ml#	95
82)	4-Bromophenyl phenyl e...	8.227	248	1681	0.220	ug/ml#	82
83)	Hexachlorobenzene	8.267	284	2219	0.229	ug/ml#	76
84)	Pentachlorophenol	8.466	266	864	0.164	ug/ml	98
91)	Phenanthrene	8.643	178	8748	0.220	ug/ml	98
92)	Anthracene	8.690	178	8056	0.205	ug/ml	99
93)	Carbazole	8.864	167	7288	0.196	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	7684	0.188	ug/ml#	93
95)	Fluoranthene	9.781	202	10128	0.206	ug/ml#	92
96)	Benzidine	9.945	184	4612	0.164	ug/ml#	86
97)	Pyrene	9.989	202	10851	0.207	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	2914	0.167	ug/ml#	82
107)	Benzo(a)anthracene	11.179	228	10880	0.210	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	3454	0.181	ug/ml	98
109)	Chrysene	11.217	228	10803	0.216	ug/ml	96
110)	Bis(2-ethylhexyl)phtha...	11.335	149	4698	0.170	ug/ml#	85
111)	Di-n-octylphthalate	11.994	149	8032	0.177	ug/ml#	73
112)	Benzo(b)fluoranthene	12.252	252	11034	0.207	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	9946	0.189	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	9411	0.194	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.538	276	10109	0.185	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	10097	0.188	ug/ml#	90
118)	Benzo(ghi)perylene	13.747	276	10475	0.201	ug/ml#	84

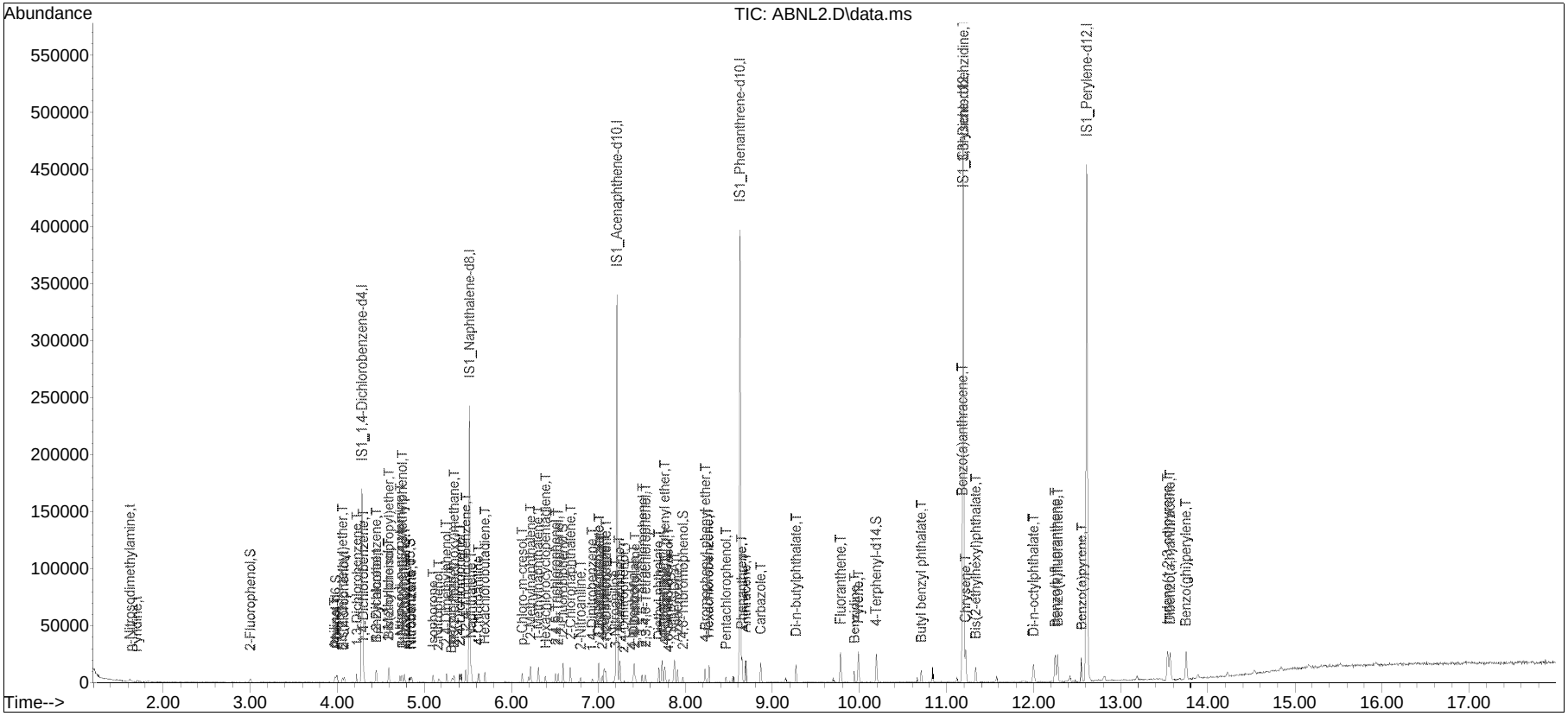
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

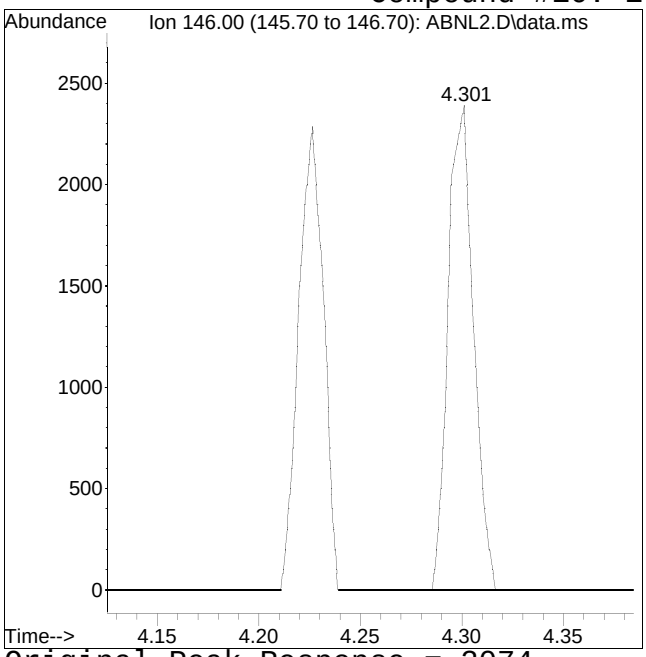
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

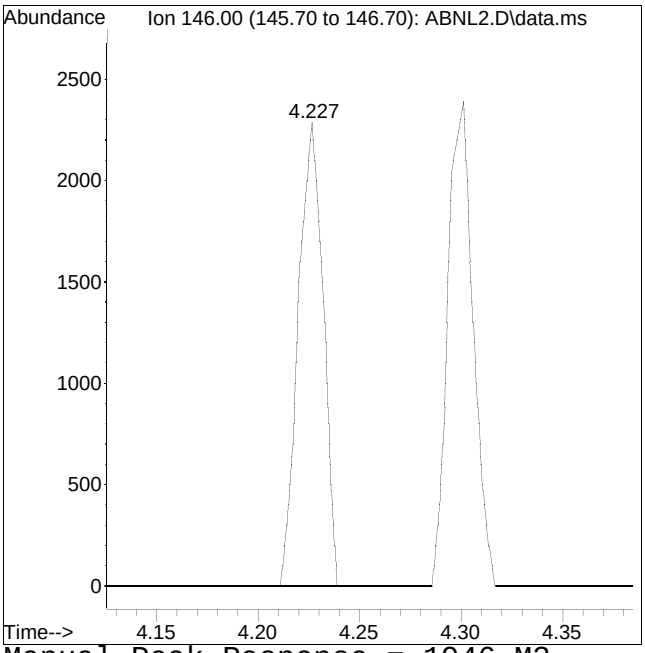


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





Original Peak Response = 2074 Manual Peak Response = 1946 M3

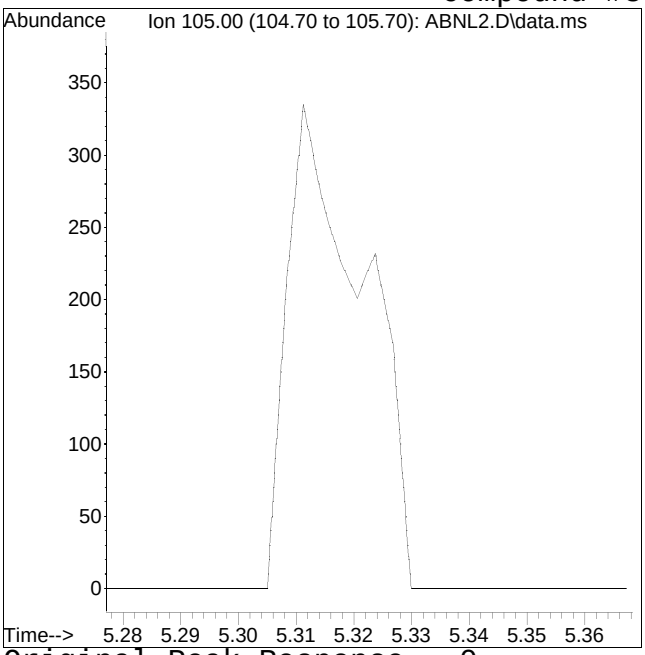
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

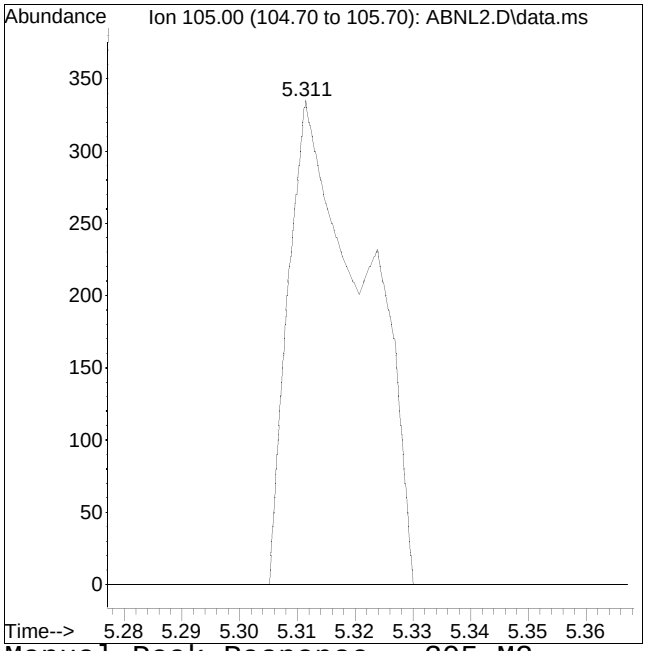
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



Manual Peak Response = 305 M2

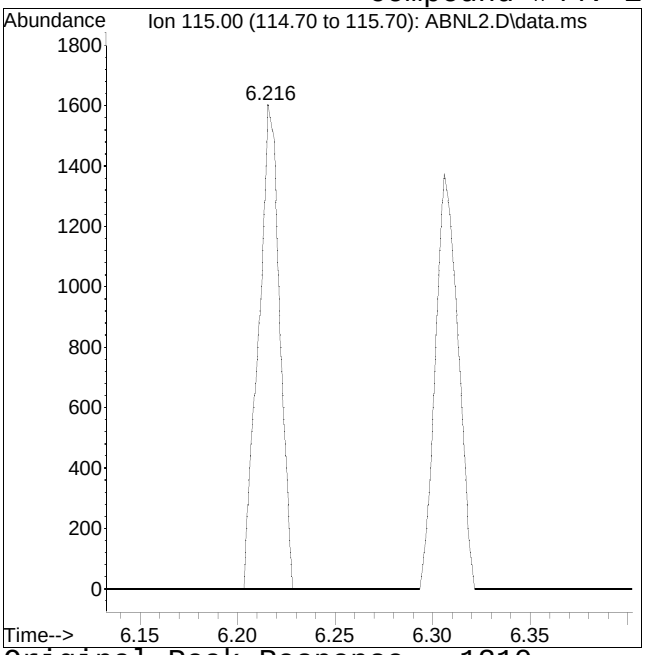
M2 = Peak not found by automatic integration algorithm.

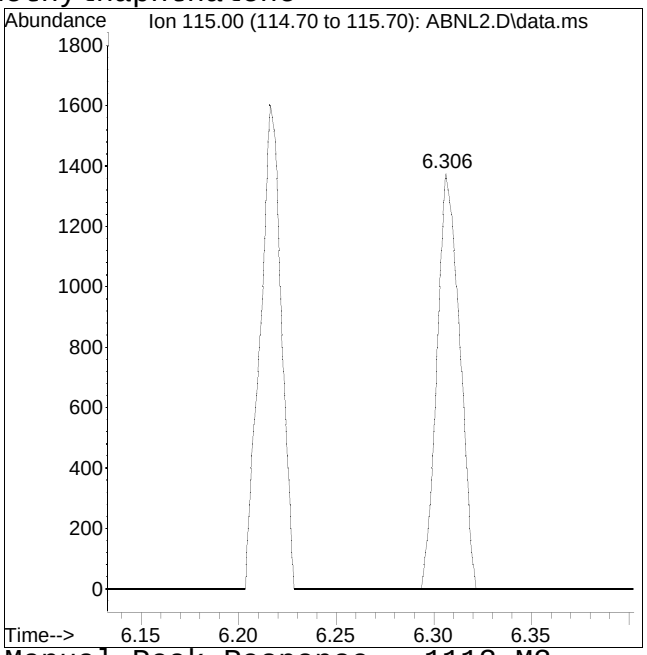
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #44: 1-Methylnaphthalene





Original Peak Response = 1210 Manual Peak Response = 1113 M3

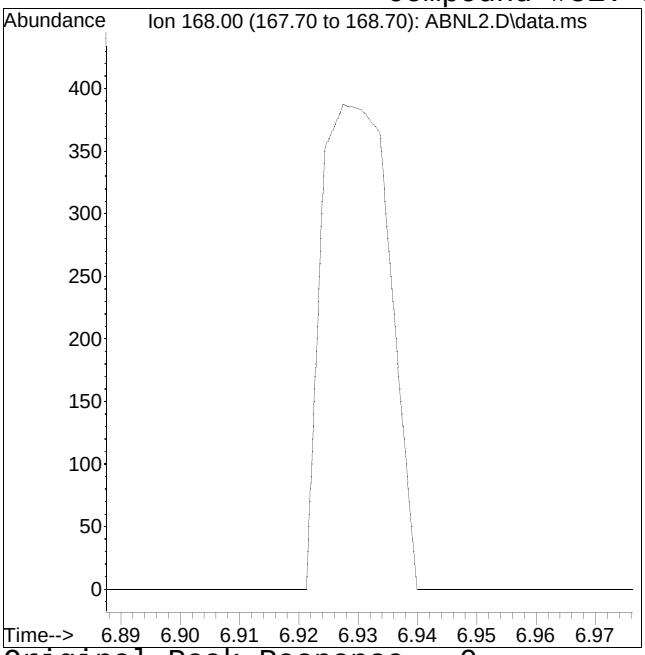
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

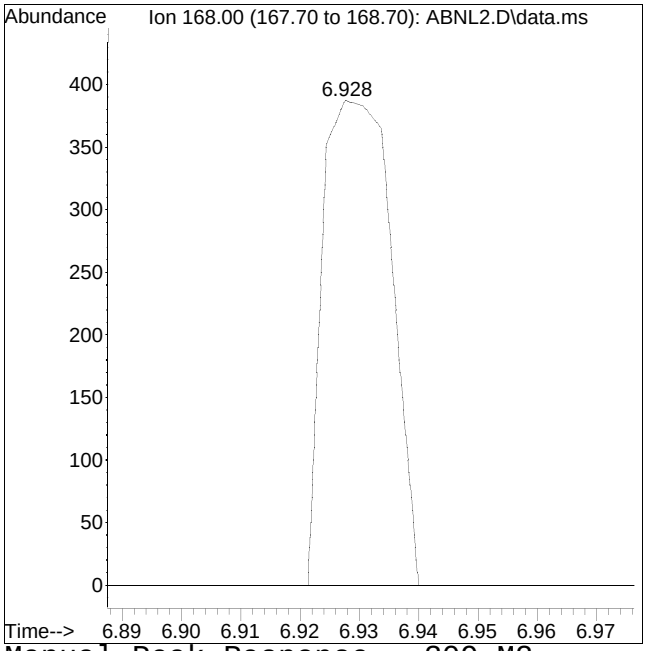
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





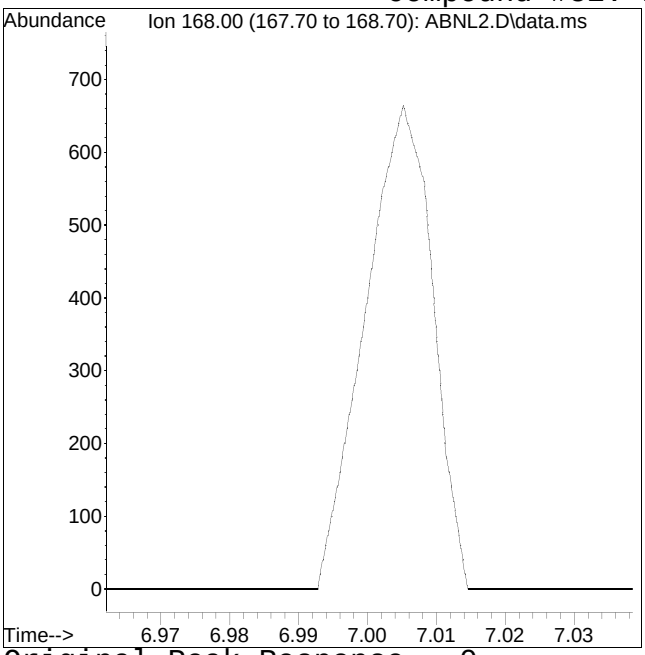
Original Peak Response = 0
Manual Peak Response = 309 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

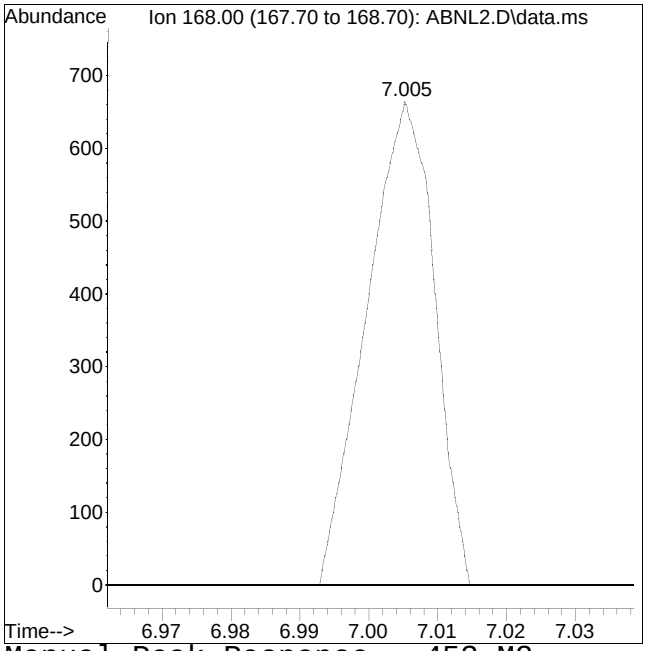
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 453 M2

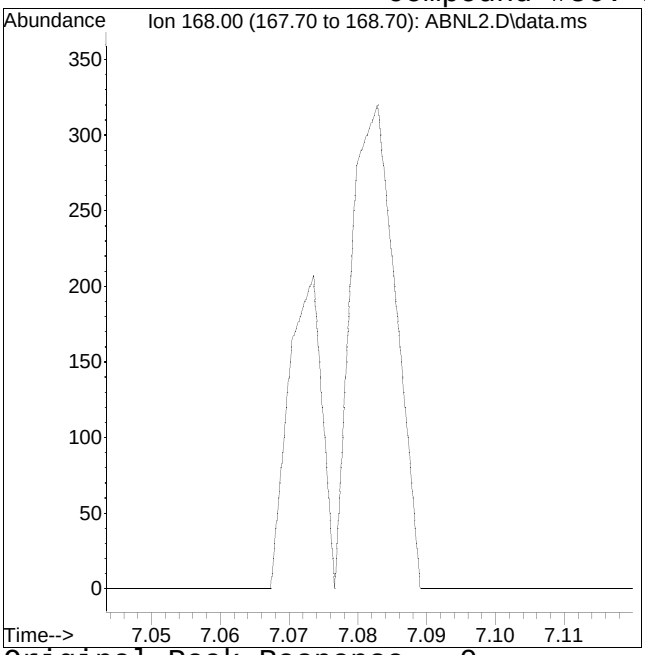
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

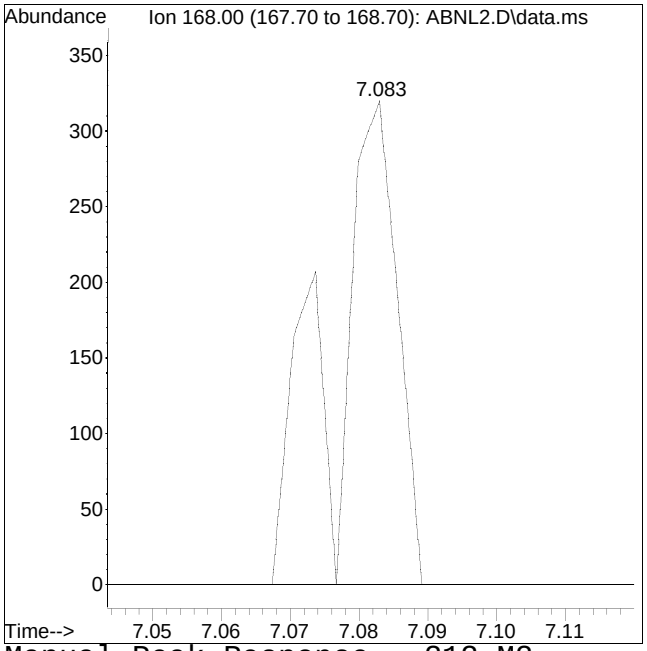
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 212 M2

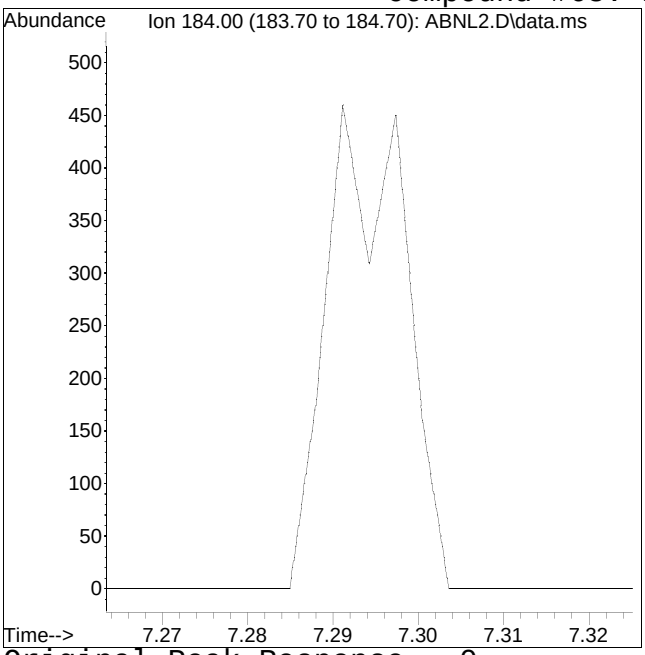
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

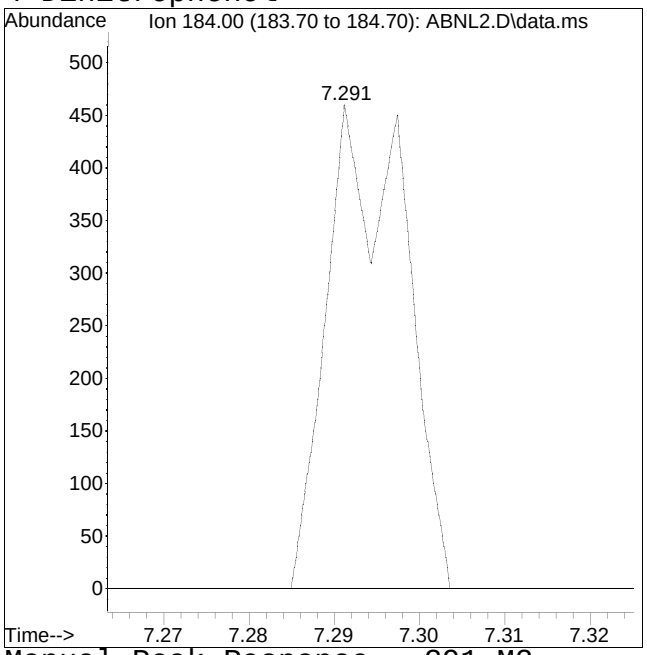
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



Original Peak Response = 0



Manual Peak Response = 291 M2

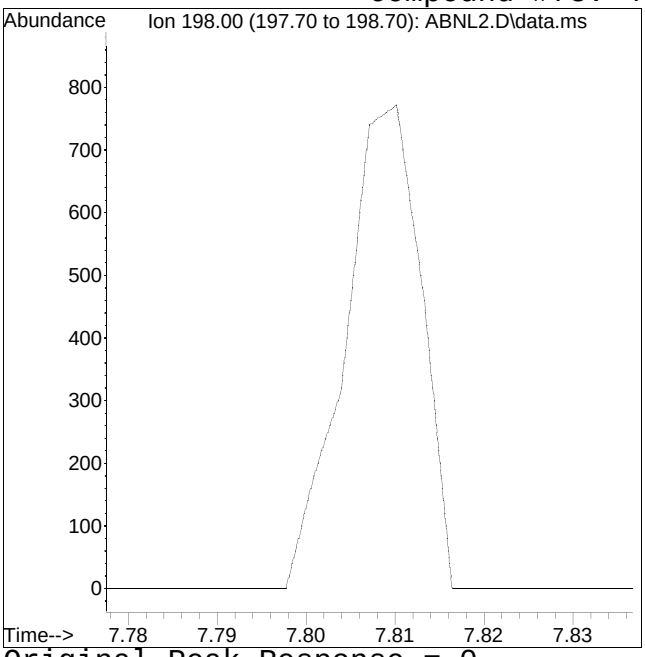
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

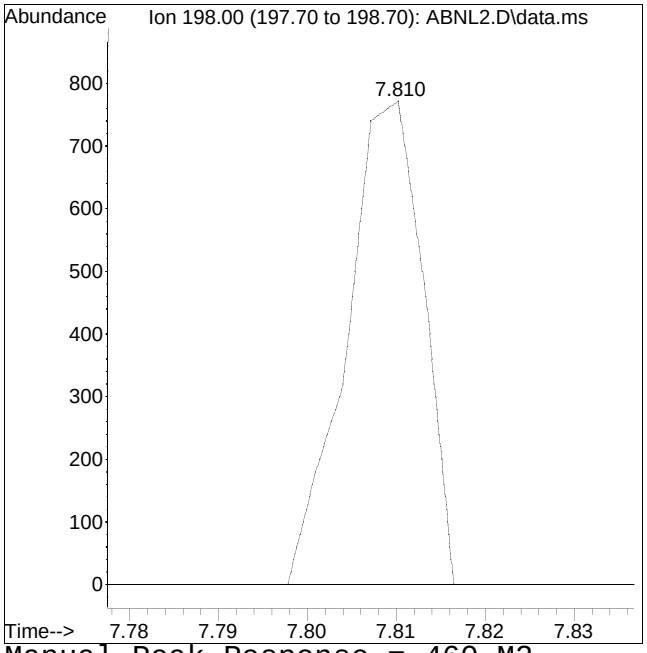
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 460 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	27369	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery =	94.51%	
37) IS1_Naphthalene-d8	5.520	136	99976	4.000 ug/ml	0.00
Standard Area 1 = 107558			Recovery =	92.95%	
65) IS1_Acenaphthene-d10	7.210	164	64152	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery =	92.23%	
90) IS1_Phenanthrene-d10	8.621	188	144467	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery =	96.43%	
106) IS1_Chrysene-d12	11.189	240	161244	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery =	93.19%	
115) IS1_Perylene-d12	12.609	264	182414	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery =	89.70%	
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	718	0.112 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	5.60%#	
7) Phenol-d6	3.987	99	1069	0.129 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	6.45%#	
19) Nitrobenzene-d5	4.836	82	848	0.112 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	11.20%#	
48) 2-Fluorobiphenyl	6.592	172	3465	0.136 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	13.60%#	
81) 2,4,6-Tribromophenol	7.966	330	505	0.121 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	6.05%#	
98) 4-Terphenyl-d14	10.191	244	5994	0.154 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	15.40%#	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.619	74	471M2	0.107 ug/ml	
3) Pyridine	1.721	79	491M2	0.072 ug/ml	
5) Aniline	3.972	93	1245	0.116 ug/ml#	83
6) 2-Chlorophenol	4.081	128	966	0.124 ug/ml#	30
8) Phenol	4.000	94	1175	0.121 ug/ml#	74
9) Bis(2-chloroethyl)ether	4.065	93	882	0.129 ug/ml#	65
10) 1,3-Dichlorobenzene	4.227	146	1361M3	0.119 ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	1449	0.130 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	1160M3	0.108 ug/ml	
13) Benzyl alcohol	4.457	79	695	0.115 ug/ml#	87
14) Bis(2-chloroisopropyl)...	4.596	45	1532	0.110 ug/ml#	48

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	890	0.131	ug/ml#	87
16) Hexachloroethane	4.774	117	541	0.133	ug/ml#	53
17) n-Nitrosodi-n-propylamine	4.727	70	767	0.135	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.752	108	1033	0.143	ug/ml#	87
20) Nitrobenzene	4.851	77	926	0.116	ug/ml#	39
21) Isophorone	5.100	82	1864	0.127	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.255	107	936	0.137	ug/ml#	64
24) Bis(2-chloroethoxy)met...	5.342	93	1098	0.117	ug/ml#	50
25) 2,4-Dichlorophenol	5.408	162	1059	0.124	ug/ml#	73
26) 1,2,4-Trichlorobenzene	5.479	180	1353	0.121	ug/ml#	82
38) Naphthalene	5.538	128	3631	0.135	ug/ml#	52
39) Benzoic Acid	5.314	105	144M2	1.648	ug/ml	
40) 4-Chloroaniline	5.625	65	375M2	0.107	ug/ml	
41) Hexachlorobutadiene	5.697	225	744	0.107	ug/ml#	53
42) p-Chloro-m-cresol	6.129	107	854	0.123	ug/ml#	77
43) 2-Methylnaphthalene	6.216	142	2612	0.138	ug/ml	98
44) 1-Methylnaphthalene	6.309	115	803	0.130	ug/ml	84
45) Hexachlorocyclopentadiene	6.390	237	743	0.111	ug/ml#	27
46) 2,4,6-Trichlorophenol	6.511	196	814	0.110	ug/ml#	79
47) 2,4,5-Trichlorophenol	6.536	196	998	0.123	ug/ml#	81
49) 2-Chloronaphthalene	6.679	162	2781	0.126	ug/ml#	89
50) 2-Nitroaniline	6.797	138	550	0.109	ug/ml#	60
51) 1,4-Dinitrobenzene	6.928	168	232M2	0.093	ug/ml	
52) 1,3-Dinitrobenzene	6.999	168	271M2	0.091	ug/ml	
53) Dimethyl phthalate	7.002	163	3294	0.125	ug/ml#	77
54) Acenaphthylene	7.067	152	3963	0.123	ug/ml#	84
55) 2,6-Dinitrotoluene	7.039	165	480M3	0.108	ug/ml	
56) 1,2-Dinitrobenzene	7.083	168	66M2	0.038	ug/ml	
66) 3-Nitroaniline	7.192	138	500	0.117	ug/ml#	34
67) Acenaphthene	7.238	154	2671	0.150	ug/ml	94
68) 2,4-Dinitrophenol	7.294	184	194M2	0.070	ug/ml	
69) Dibenzofuran	7.409	168	4484	0.145	ug/ml	95
70) 2,4-Dinitrotoluene	7.422	165	598	0.101	ug/ml#	62
71) 4-Nitrophenol	7.397	65	368M3	0.108	ug/ml	
72) 2,3,5,6-Tetrachlorophenol	7.506	232	745	0.119	ug/ml#	73
73) 2,3,4,6-Tetrachlorophenol	7.543	232	860	0.140	ug/ml#	68
74) Diethyl phthalate	7.689	149	3507	0.145	ug/ml#	85
75) Fluorene	7.736	166	3304	0.137	ug/ml#	85
76) 4-Chlorophenyl phenyl ...	7.764	204	1762	0.141	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.773	138	378M2	0.080	ug/ml	
78)	4,6-Dinitro-o-cresol	7.810	198	385M2	0.476	ug/ml	
79)	NDPA/DPA	7.879	169	3050	0.146	ug/ml	97
80)	Azobenzene	7.910	77	2486	0.128	ug/ml#	80
82)	4-Bromophenyl phenyl e...	8.227	248	1158	0.146	ug/ml#	76
83)	Hexachlorobenzene	8.267	284	1435	0.143	ug/ml#	33
84)	Pentachlorophenol	8.466	266	597	0.109	ug/ml#	19
91)	Phenanthrene	8.646	178	5979	0.146	ug/ml	99
92)	Anthracene	8.693	178	5679	0.140	ug/ml	97
93)	Carbazole	8.864	167	4793	0.125	ug/ml	96
94)	Di-n-butylphthalate	9.271	149	5118	0.121	ug/ml#	79
95)	Fluoranthene	9.781	202	7016	0.138	ug/ml#	92
96)	Benzidine	9.946	184	2944	0.102	ug/ml#	68
97)	Pyrene	9.989	202	7325	0.136	ug/ml	96
99)	Butyl benzyl phthalate	10.704	149	2048	0.114	ug/ml#	83
107)	Benzo(a)anthracene	11.179	228	7534	0.142	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.195	252	2367	0.121	ug/ml#	86
109)	Chrysene	11.217	228	7896	0.154	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.332	149	3348	0.119	ug/ml#	88
111)	Di-n-octylphthalate	11.994	149	5561	0.120	ug/ml#	55
112)	Benzo(b)fluoranthene	12.252	252	7346	0.135	ug/ml#	95
113)	Benzo(k)fluoranthene	12.277	252	7028	0.131	ug/ml#	92
114)	Benzo(a)pyrene	12.553	252	6027	0.121	ug/ml#	94
116)	Indeno(1,2,3-cd)pyrene	13.542	276	7287	0.131	ug/mL#	90
117)	Dibenzo(a,h)anthracene	13.566	278	6856	0.125	ug/ml#	92
118)	Benzo(ghi)perylene	13.747	276	7053	0.133	ug/ml#	88

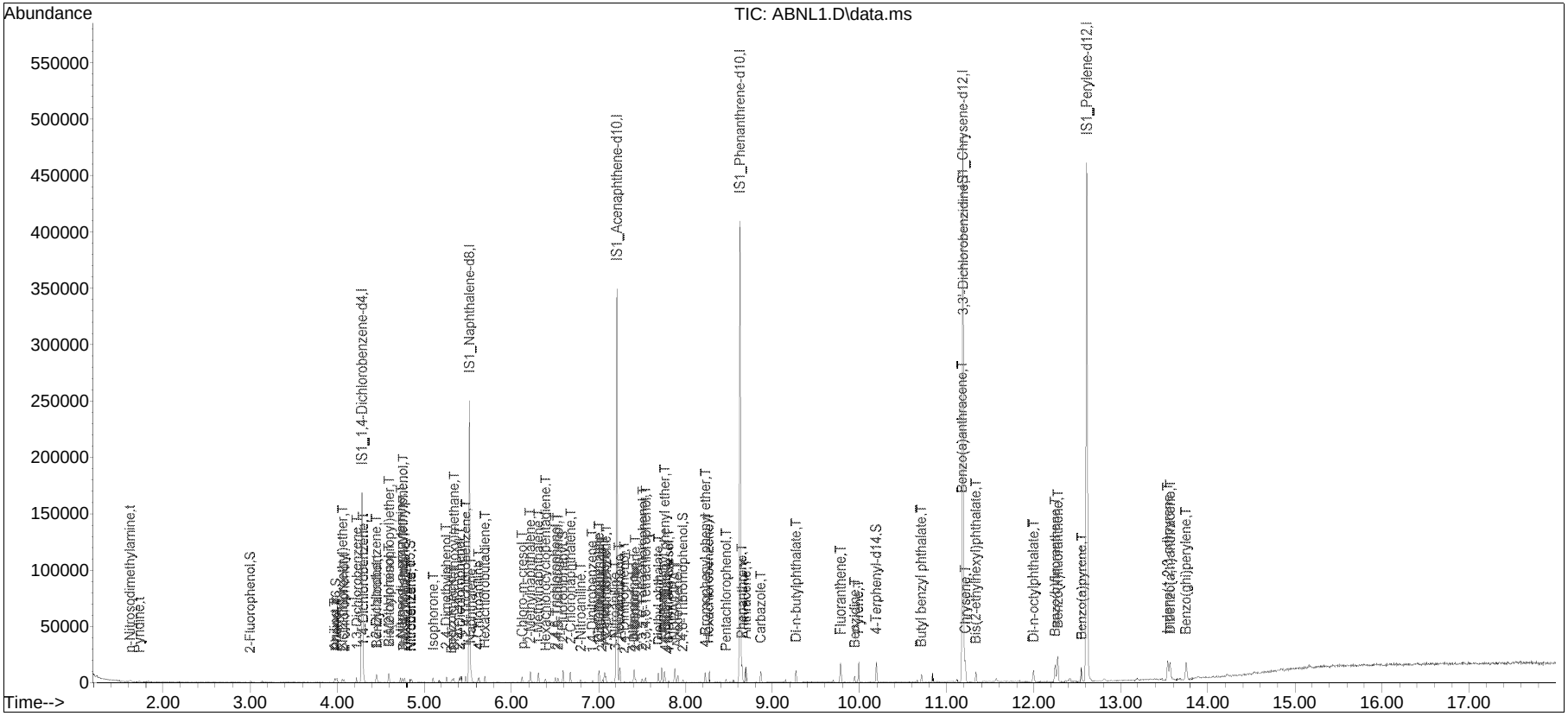
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

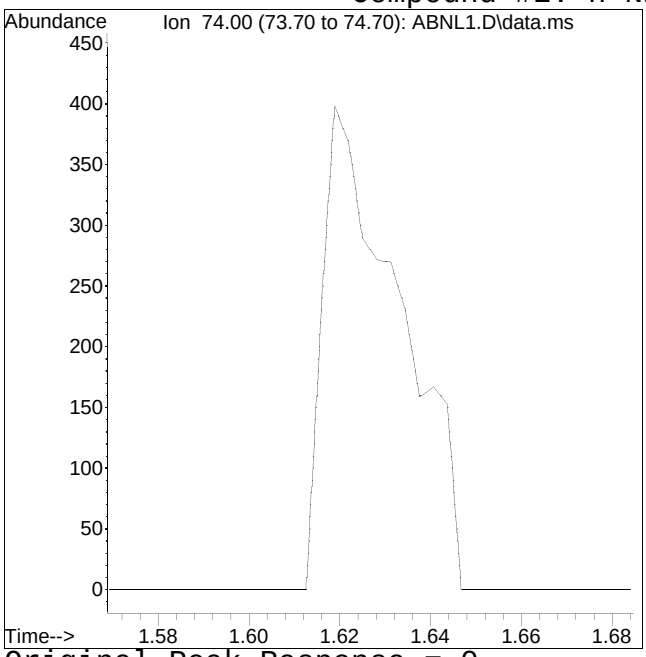
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

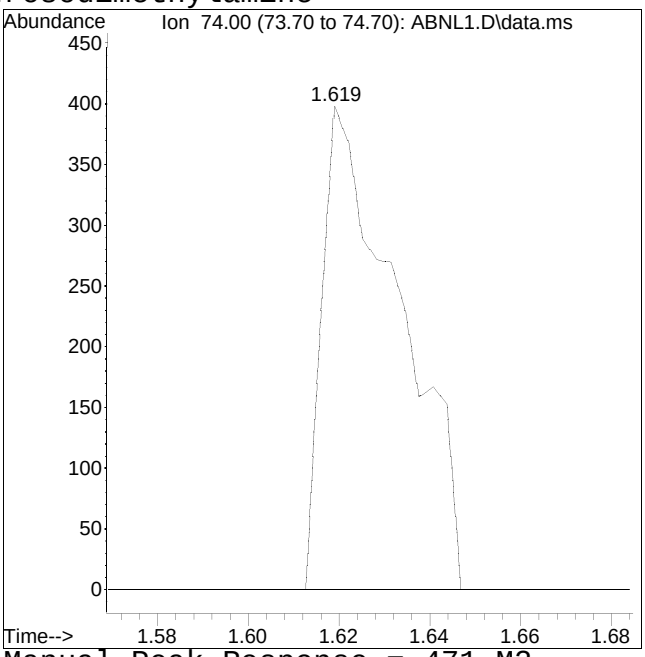


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #2: n-Nitrosodimethylamine



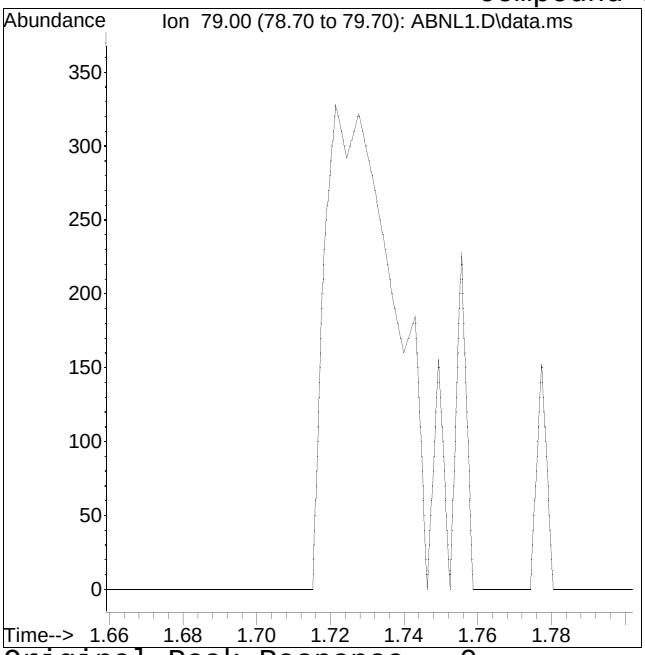


Original Peak Response = 0 Manual Peak Response = 471 M2
M2 = Peak not found by automatic integration algorithm.

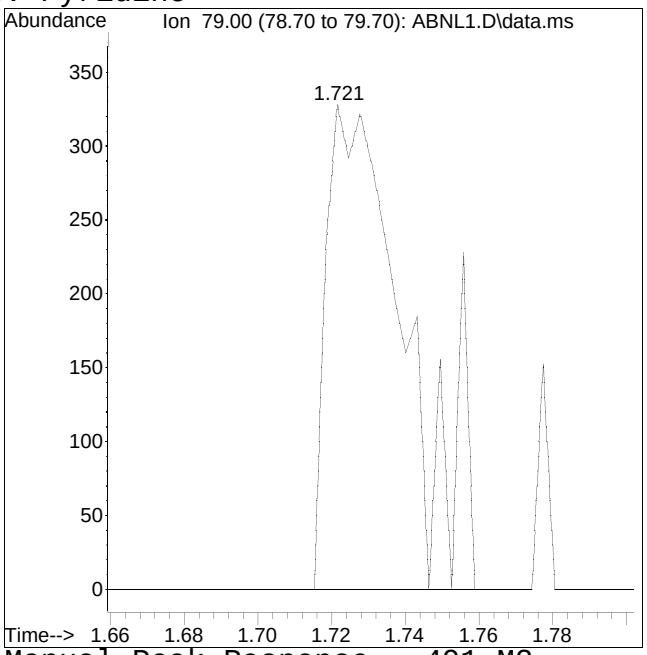
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine



Original Peak Response = 0



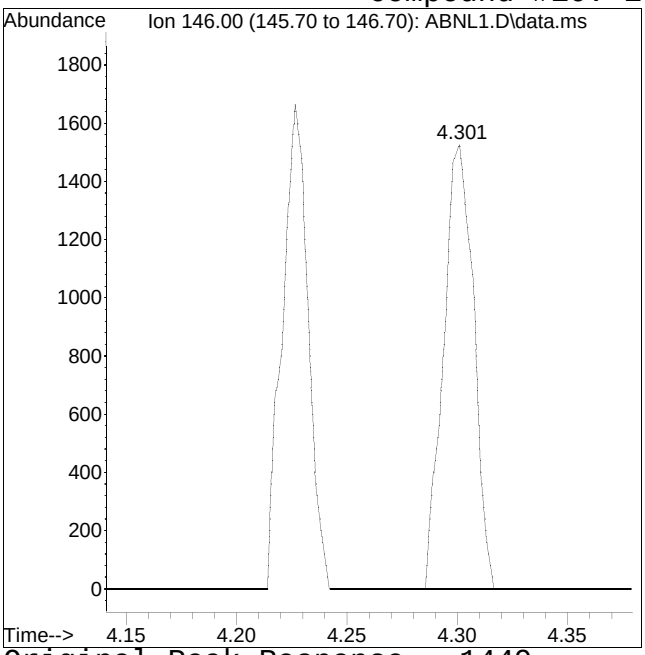
Manual Peak Response = 491 M2

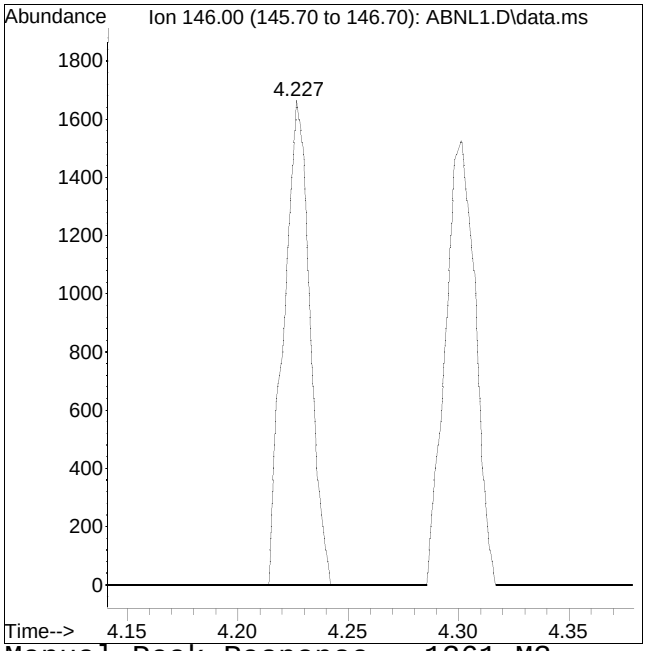
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





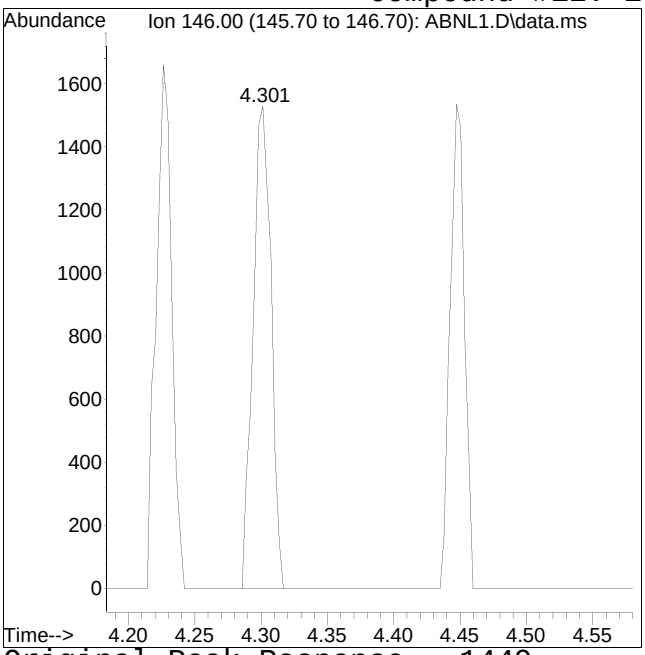
Original Peak Response = 1449 Manual Peak Response = 1361 M3

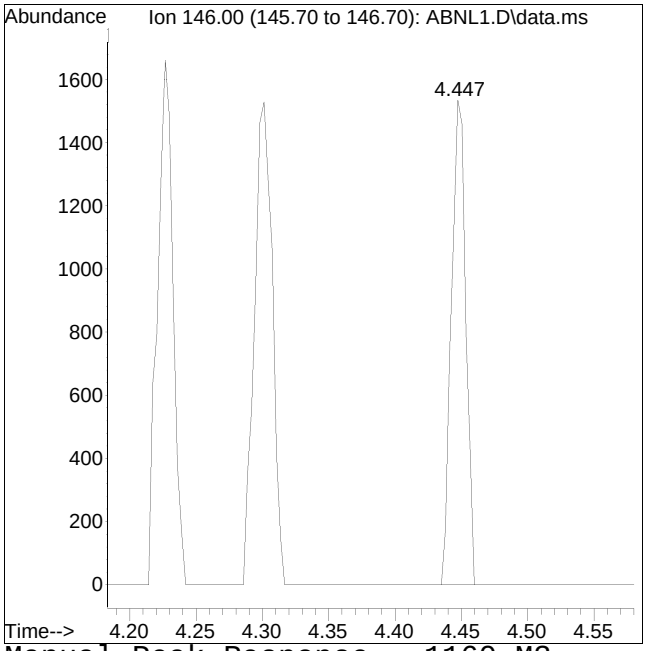
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #12: 1,2-Dichlorobenzene





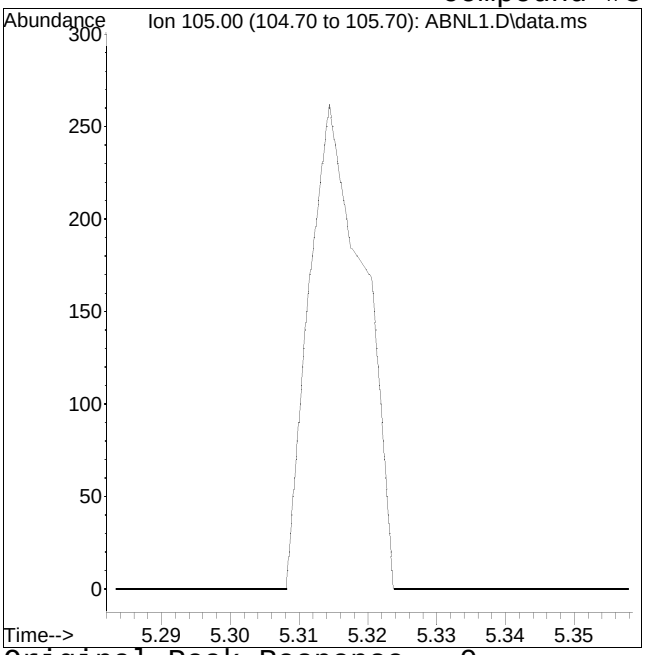
Original Peak Response = 1449 Manual Peak Response = 1160 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

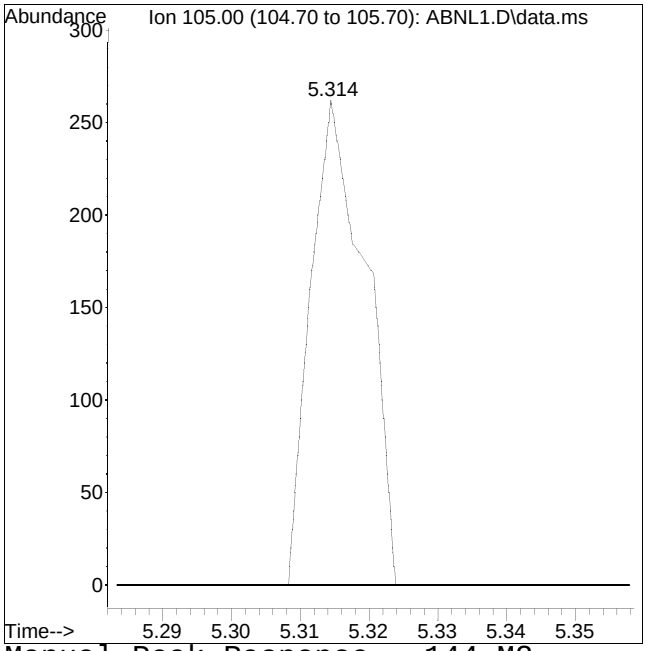
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



Manual Peak Response = 144 M2

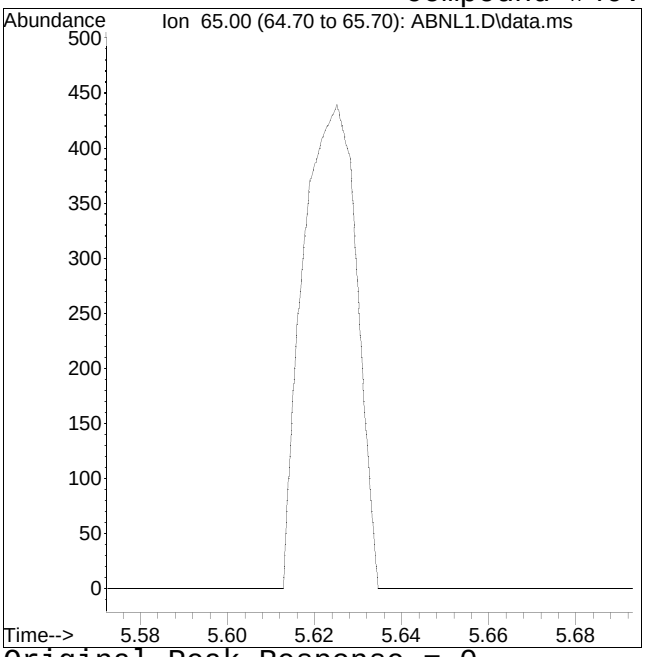
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

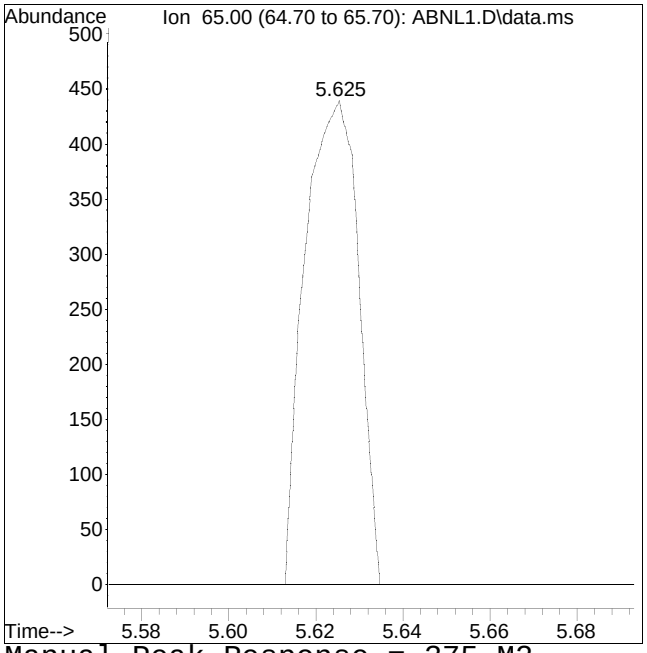
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #40: 4-Chloroaniline



Original Peak Response = 0



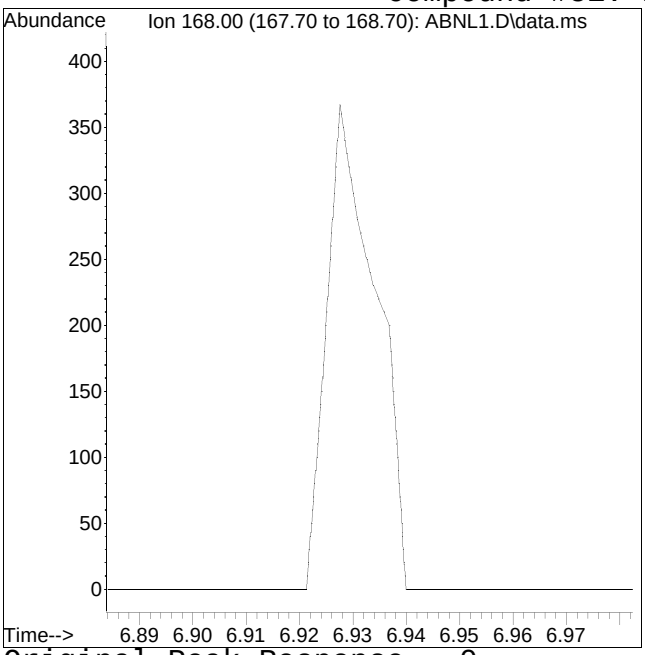
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

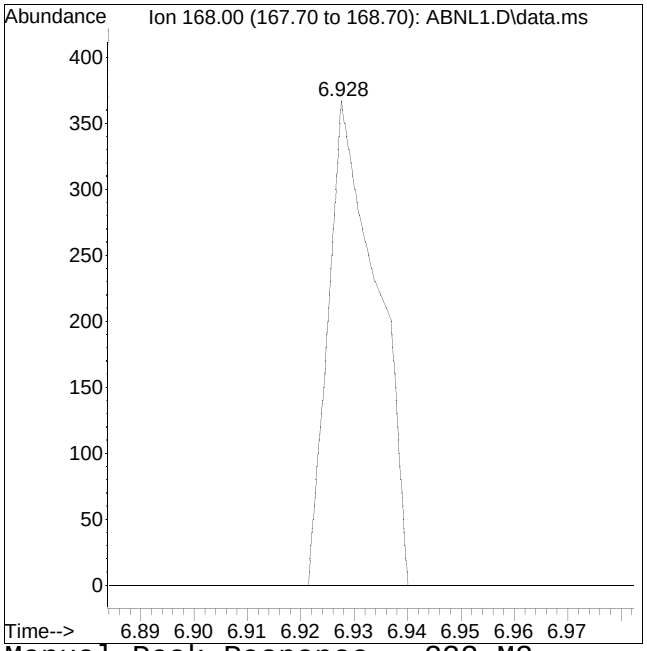
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 0



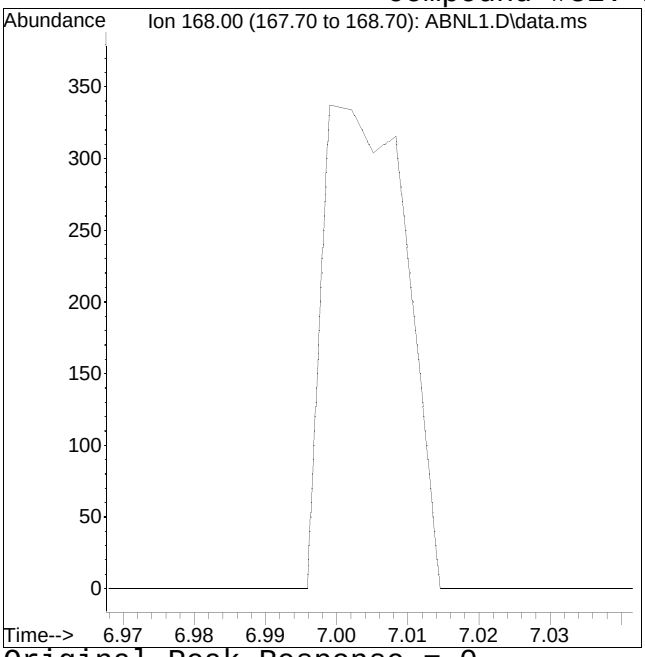
Manual Peak Response = 232 M2

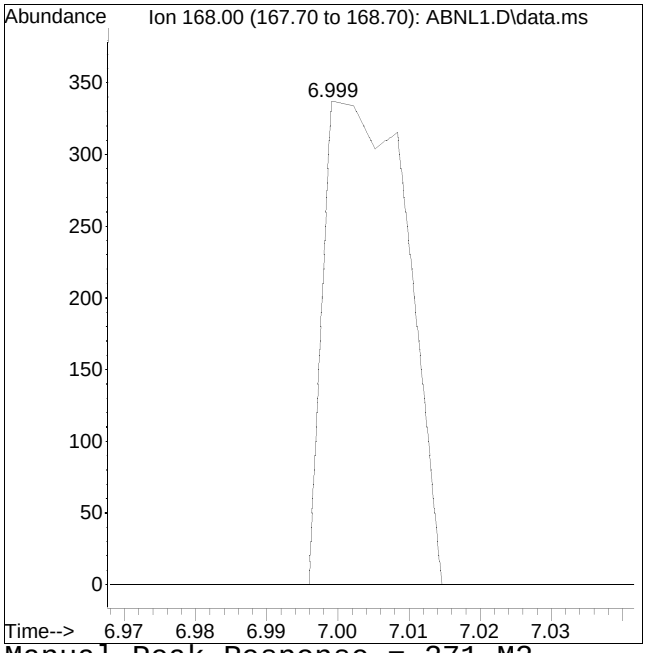
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



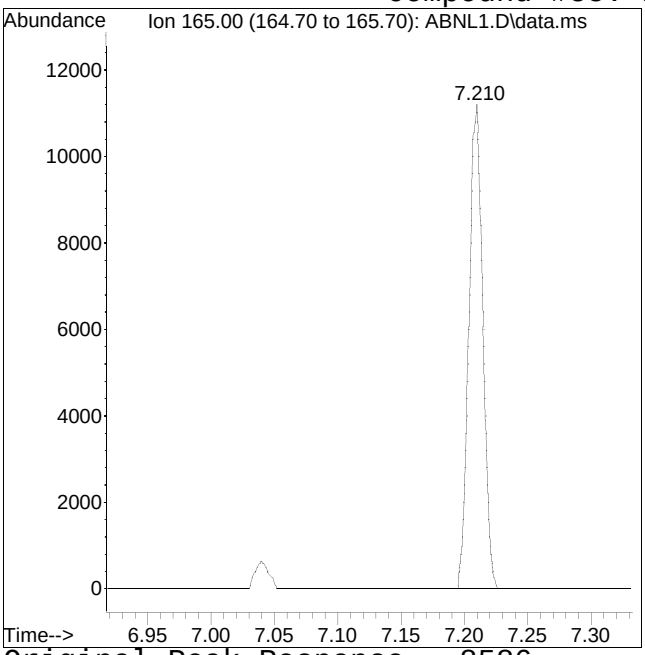


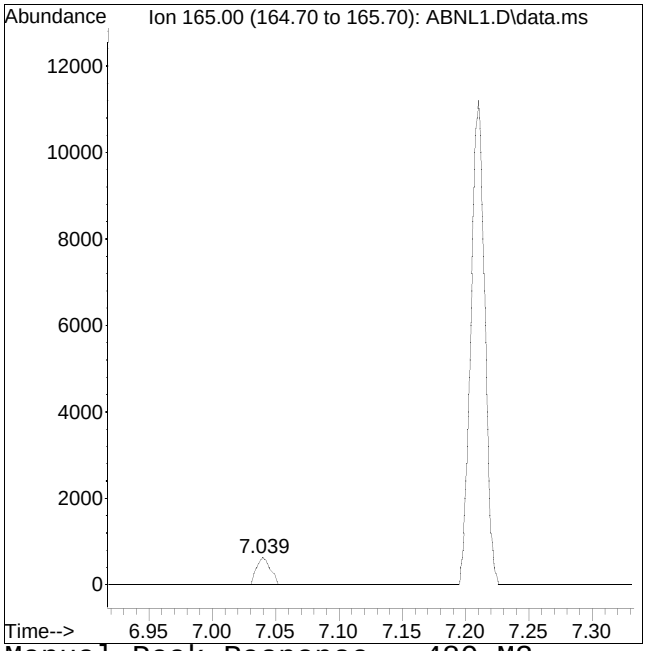
Original Peak Response = 0 Manual Peak Response = 271 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #55: 2,6-Dinitrotoluene





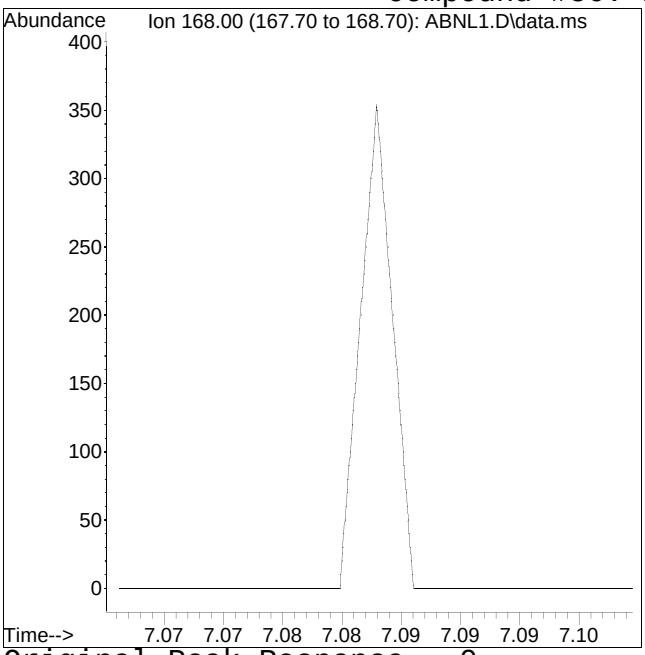
Original Peak Response = 8586 Manual Peak Response = 480 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

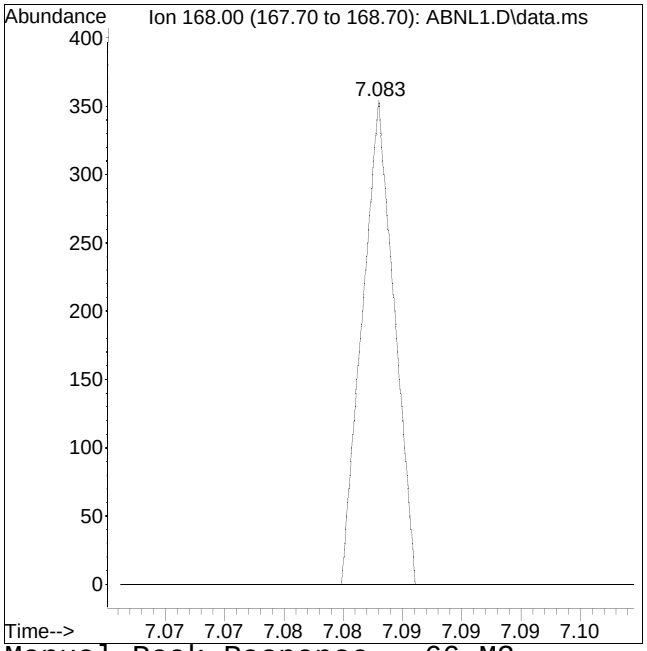
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 66 M2

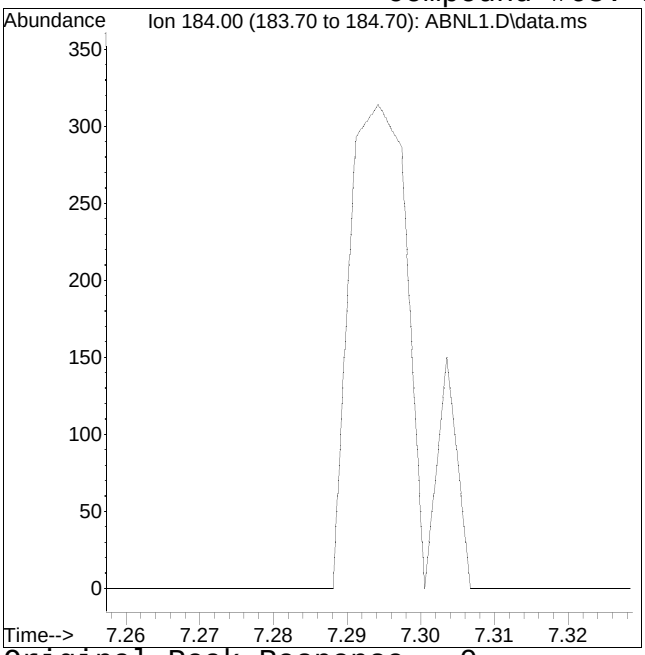
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

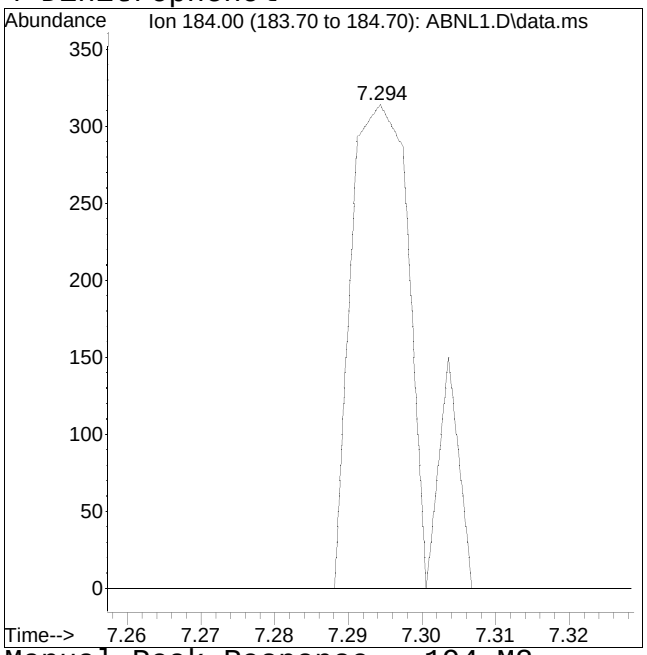
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



Original Peak Response = 0



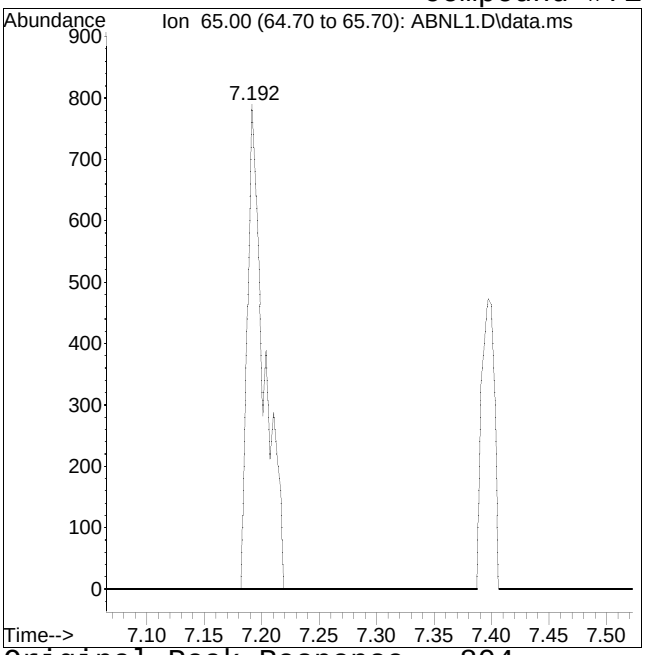
Manual Peak Response = 194 M2

M2 = Peak not found by automatic integration algorithm.

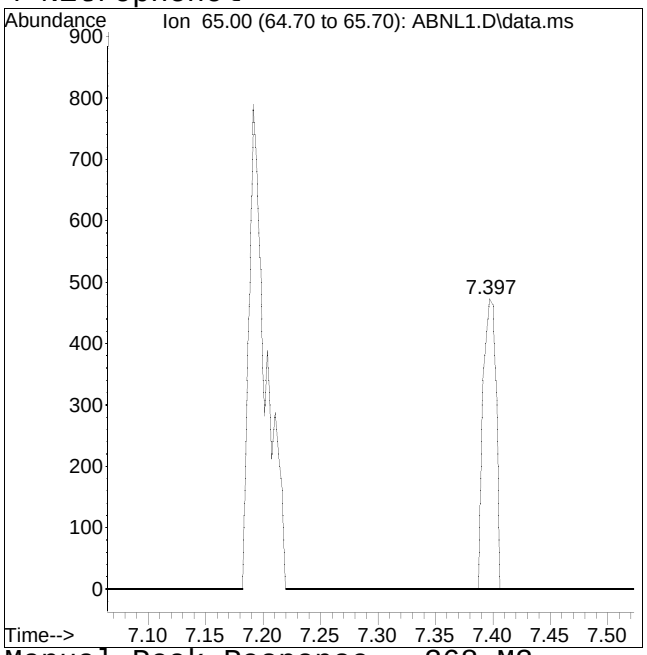
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #71: 4-Nitrophenol



Original Peak Response = 804



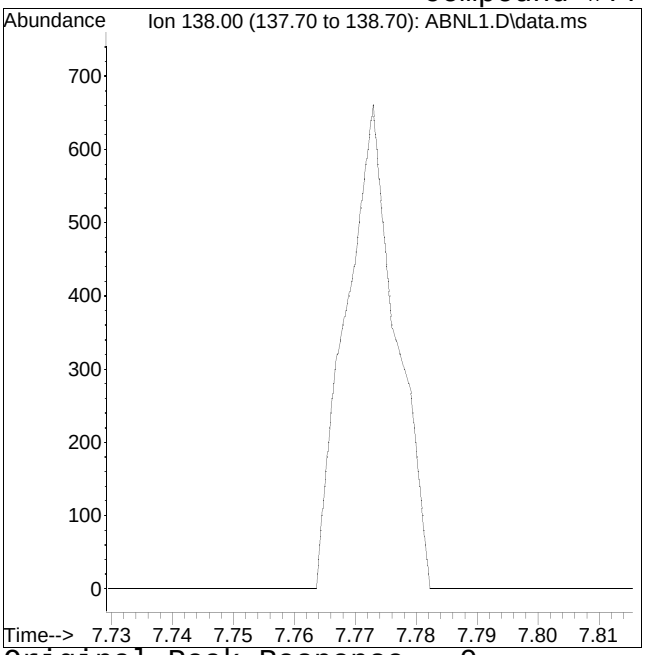
Manual Peak Response = 368 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

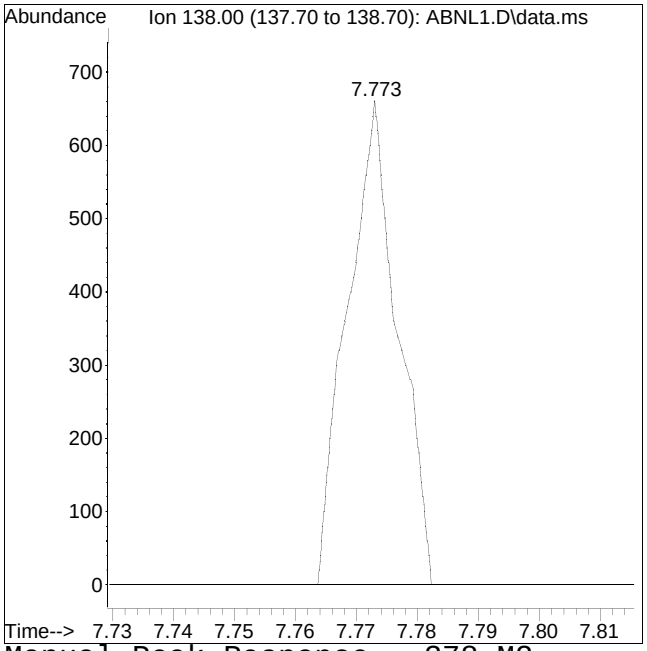
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #77: 4-Nitroaniline



Original Peak Response = 0



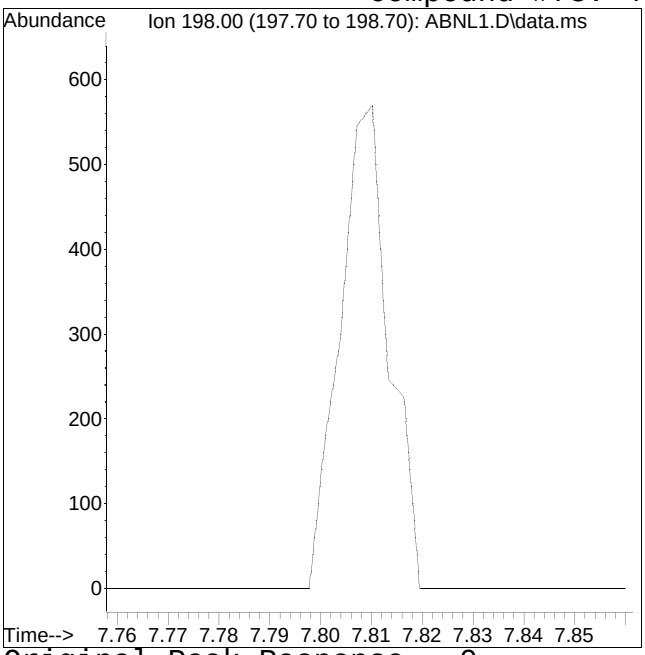
Manual Peak Response = 378 M2

M2 = Peak not found by automatic integration algorithm.

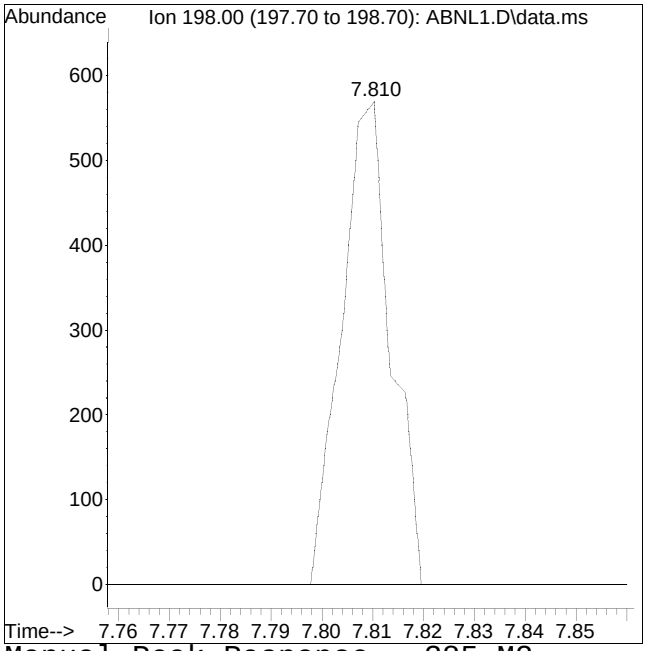
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 385 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.286	152	30987	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	109.33%			
57)	IS2_Naphthalene-d8	5.520	136	111920	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	113.57%			
85)	IS2_Acenaphthene-d10	7.210	164	71063	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	110.41%			
100)	IS2_Phenanthrene-d10	8.625	188	160716	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	112.79%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	304408	47.565	ug/ml		97
29)	Acetophenone	4.696	105	601234	50.020	ug/ml	#	80
30)	m-Toluidine	4.780	106	545570	50.658	ug/ml		95
31)	2-Chloroaniline	5.137	127	584754	51.772	ug/ml	#	91
58)	a-Terpineol	5.594	59	350560	49.690	ug/ml	#	80
59)	3-Chloroaniline	5.607	65	174464	46.089	ug/ml		90
60)	2,6-Dichlorophenol	5.632	162	460446	49.506	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.880	111	185947	55.337	ug/ml	#	1
62)	Caprolactam	5.945	55	199011	47.711	ug/ml	#	75
63)	1,2,4,5-Tetrachloroben...	6.390	216	599935	44.098	ug/ml		97
64)	Biphenyl	6.682	154	1225314	44.550	ug/ml		96
86)	Dichloran	8.339	206	192620	58.409	ug/ml	#	59
87)	Pentachloronitrobenzene	8.482	237	196056	47.568	ug/ml	#	76
101)	Diphenamid	9.545	167	952562	48.801	ug/ml	#	75

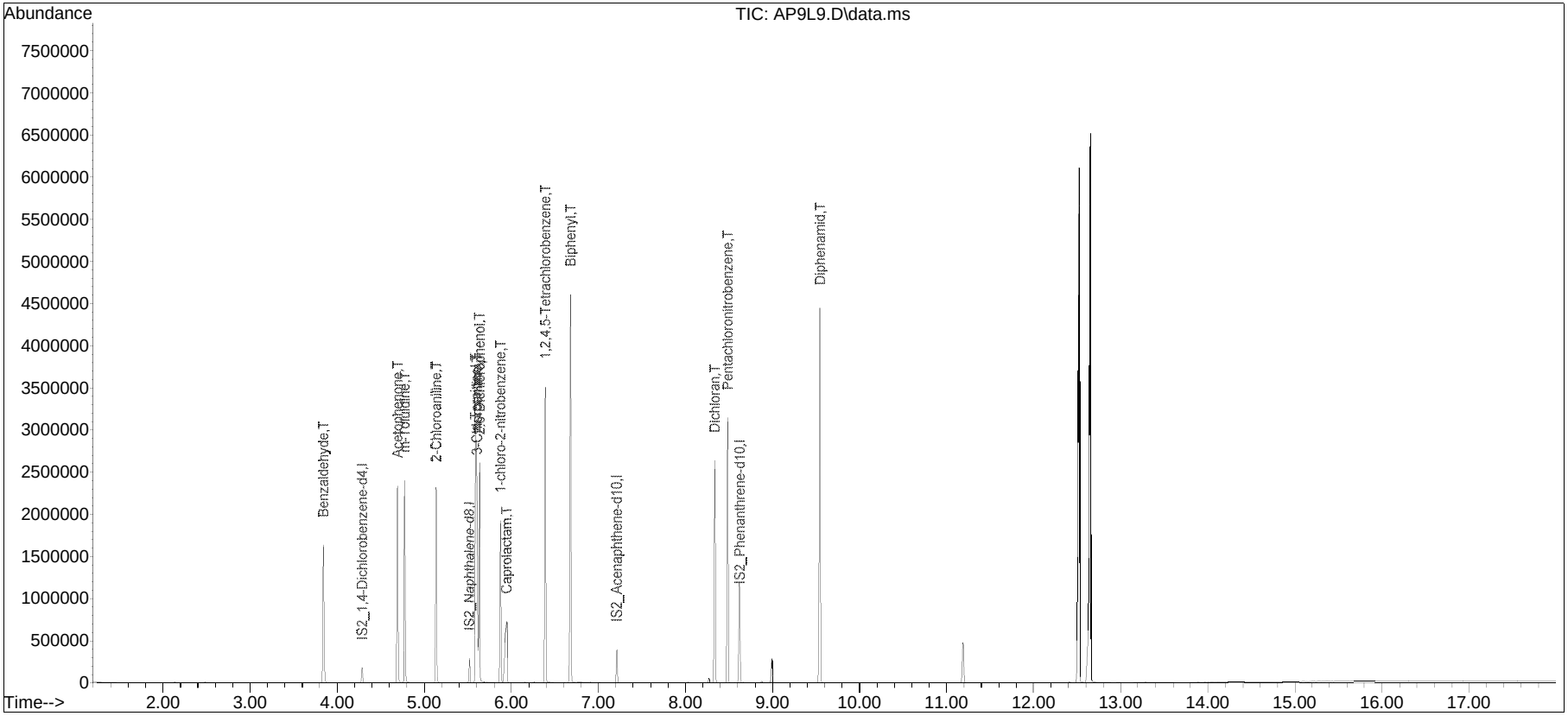
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:29 pm	Instrument	: Dakota
Sample	: IL2,32,,AP9L50 Lot# 11120	Quant Date	: 11/6/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.282	152	29753	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	104.98%			
57)	IS2_Naphthalene-d8	5.519	136	106459	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	108.03%			
85)	IS2_Acenaphthene-d10	7.210	164	68191	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	105.95%			
100)	IS2_Phenanthrene-d10	8.624	188	151604	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	106.39%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	151455	24.647	ug/ml		97
29)	Acetophenone	4.693	105	299052	25.912	ug/ml	#	79
30)	m-Toluidine	4.777	106	270898	26.197	ug/ml		95
31)	2-Chloroaniline	5.134	127	289933	26.734	ug/ml	#	91
58)	a-Terpineol	5.591	59	173589	25.867	ug/ml	#	81
59)	3-Chloroaniline	5.603	65	86165	23.930	ug/ml		94
60)	2,6-Dichlorophenol	5.628	162	225556	25.495	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.877	111	91193	28.531	ug/ml	#	1
62)	Caprolactam	5.933	55	97330	24.531	ug/ml	#	73
63)	1,2,4,5-Tetrachloroben...	6.387	216	299740	23.163	ug/ml	#	96
64)	Biphenyl	6.679	154	610900	23.350	ug/ml		97
86)	Dichloran	8.335	206	91383	28.878	ug/ml	#	58
87)	Pentachloronitrobenzene	8.482	237	93939	24.101	ug/ml	#	75
101)	Diphenamid	9.538	167	468543	25.447	ug/ml	#	75

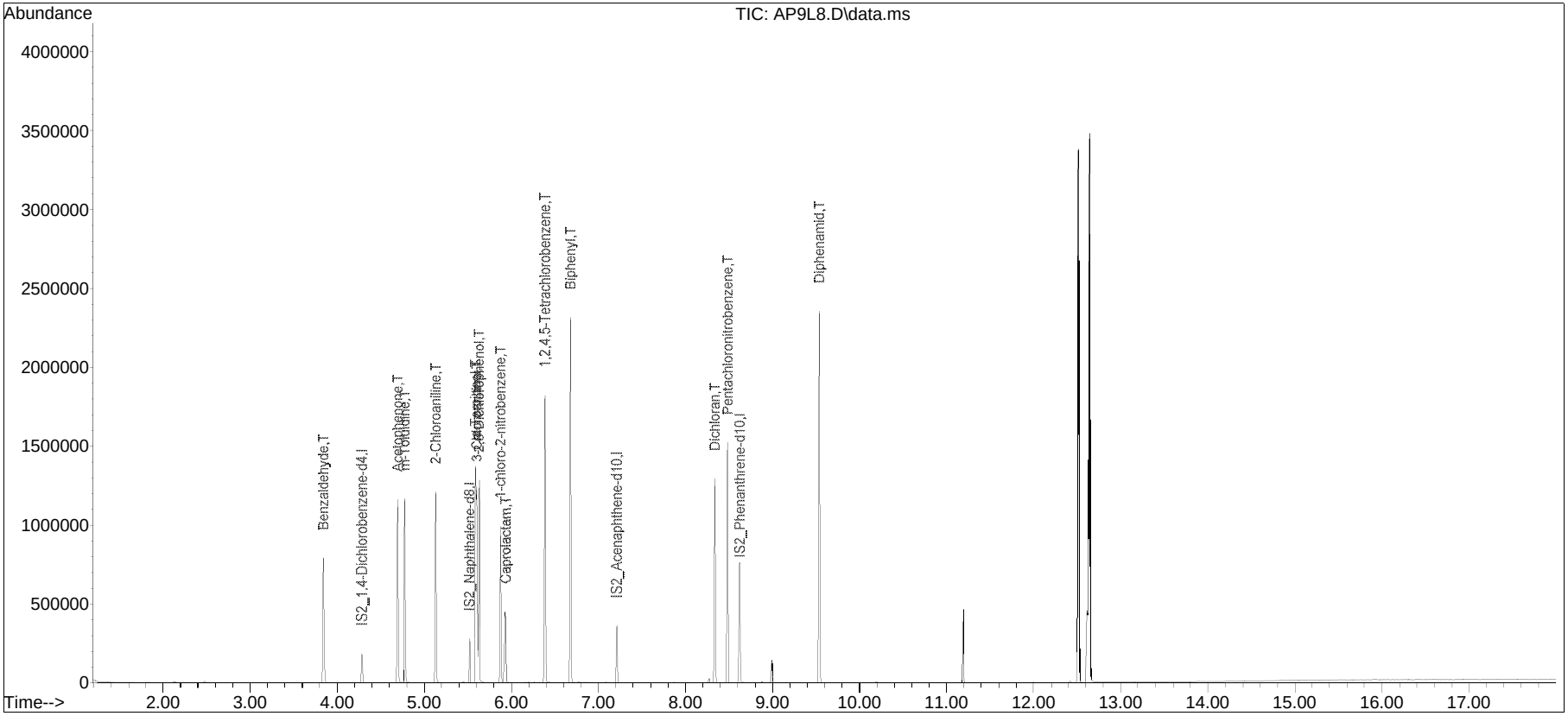
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:53 pm	Instrument	: Dakota
Sample	: IL3,32,,AP9L25 Lot# 11121	Quant Date	: 11/6/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28253	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	99.69%			
57)	IS2_Naphthalene-d8	5.520	136	102348	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	103.86%			
85)	IS2_Acenaphthene-d10	7.210	164	64900	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	100.84%			
100)	IS2_Phenanthrene-d10	8.622	188	142251	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	99.83%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	54373	9.318	ug/ml		97
29)	Acetophenone	4.693	105	107439	9.803	ug/ml	#	80
30)	m-Toluidine	4.777	106	98213	10.002	ug/ml		95
31)	2-Chloroaniline	5.134	127	103932	10.092	ug/ml	#	90
58)	a-Terpineol	5.588	59	61054	9.463	ug/ml	#	79
59)	3-Chloroaniline	5.600	65	30940	8.938	ug/ml		89
60)	2,6-Dichlorophenol	5.625	162	81177	9.544	ug/ml	#	81
61)	1-chloro-2-nitrobenzene	5.877	111	31835	10.360	ug/ml	#	1
62)	Caprolactam	5.921	55	33902	8.888	ug/ml	#	74
63)	1,2,4,5-Tetrachloroben...	6.387	216	106694	8.576	ug/ml	#	97
64)	Biphenyl	6.679	154	222491	8.846	ug/ml		97
86)	Dichloran	8.332	206	29962	9.948	ug/ml	#	58
87)	Pentachloronitrobenzene	8.479	237	30894	8.784	ug/ml	#	75
101)	Diphenamid	9.535	167	162112	9.383	ug/ml	#	75

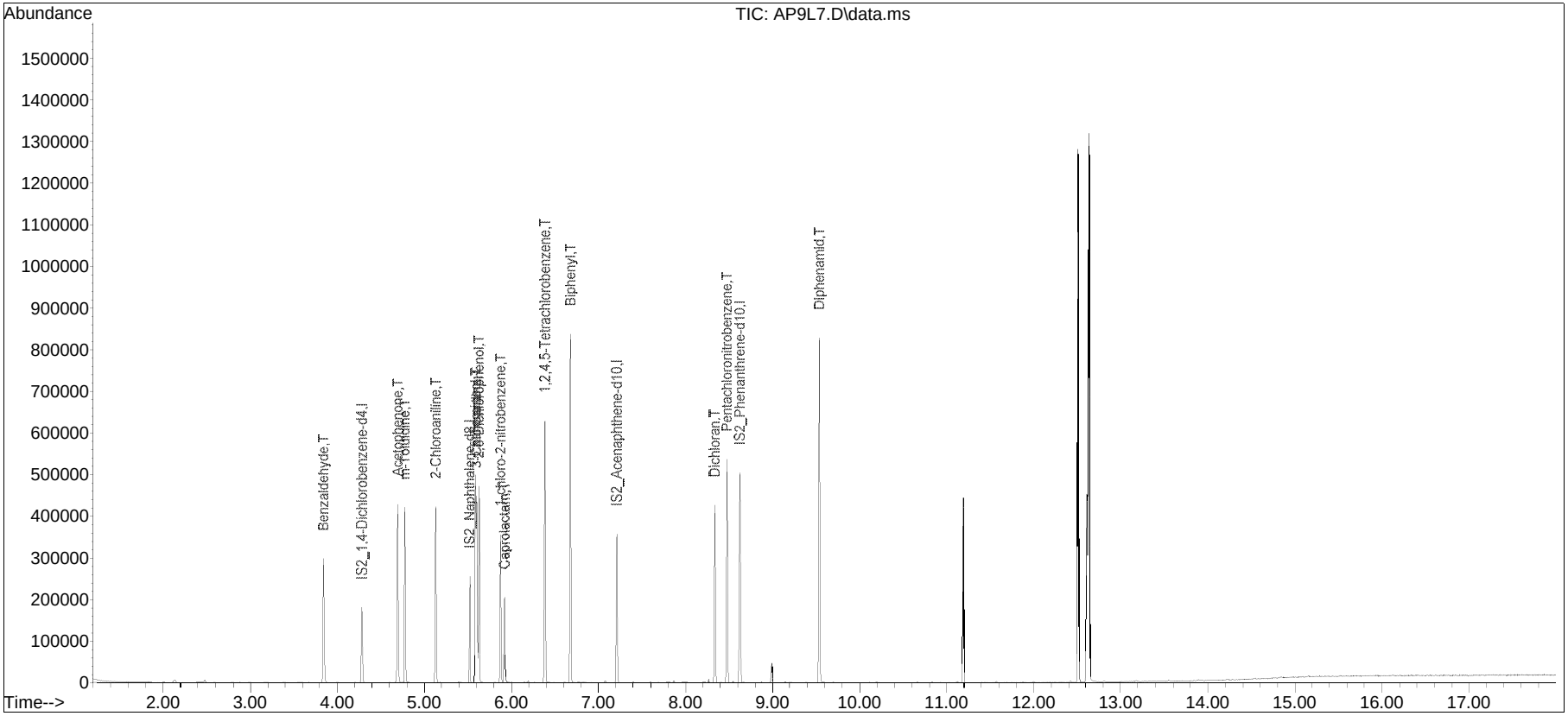
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:16 pm	Instrument	: Dakota
Sample	: IL4,32,,AP9L10 Lot# 11122	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28342	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	100.00%		
57) IS2_Naphthalene-d8	5.519	136	98544	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	100.00%		
85) IS2_Acenaphthene-d10	7.210	164	64361	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	100.00%		
100) IS2_Phenanthrene-d10	8.621	188	142493	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	26993	4.611	ug/ml	97
29) Acetophenone	4.696	105	51821	4.714	ug/ml#	79
30) m-Toluidine	4.776	106	46870	4.758	ug/ml	94
31) 2-Chloroaniline	5.134	127	50567	4.895	ug/ml#	90
58) a-Terpineol	5.588	59	28933	4.658	ug/ml#	77
59) 3-Chloroaniline	5.600	65	15441	4.633	ug/ml	94
60) 2,6-Dichlorophenol	5.625	162	39296	4.798	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.877	111	15544	5.254	ug/ml#	1
62) Caprolactam	5.914	55	15648	4.261	ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.386	216	53831	4.494	ug/ml#	95
64) Biphenyl	6.679	154	110500	4.563	ug/ml	98
86) Dichloran	8.332	206	13287	4.449	ug/ml#	60
87) Pentachloronitrobenzene	8.478	237	14522	4.530	ug/ml#	79
101) Diphenamid	9.535	167	77258	4.464	ug/ml#	75

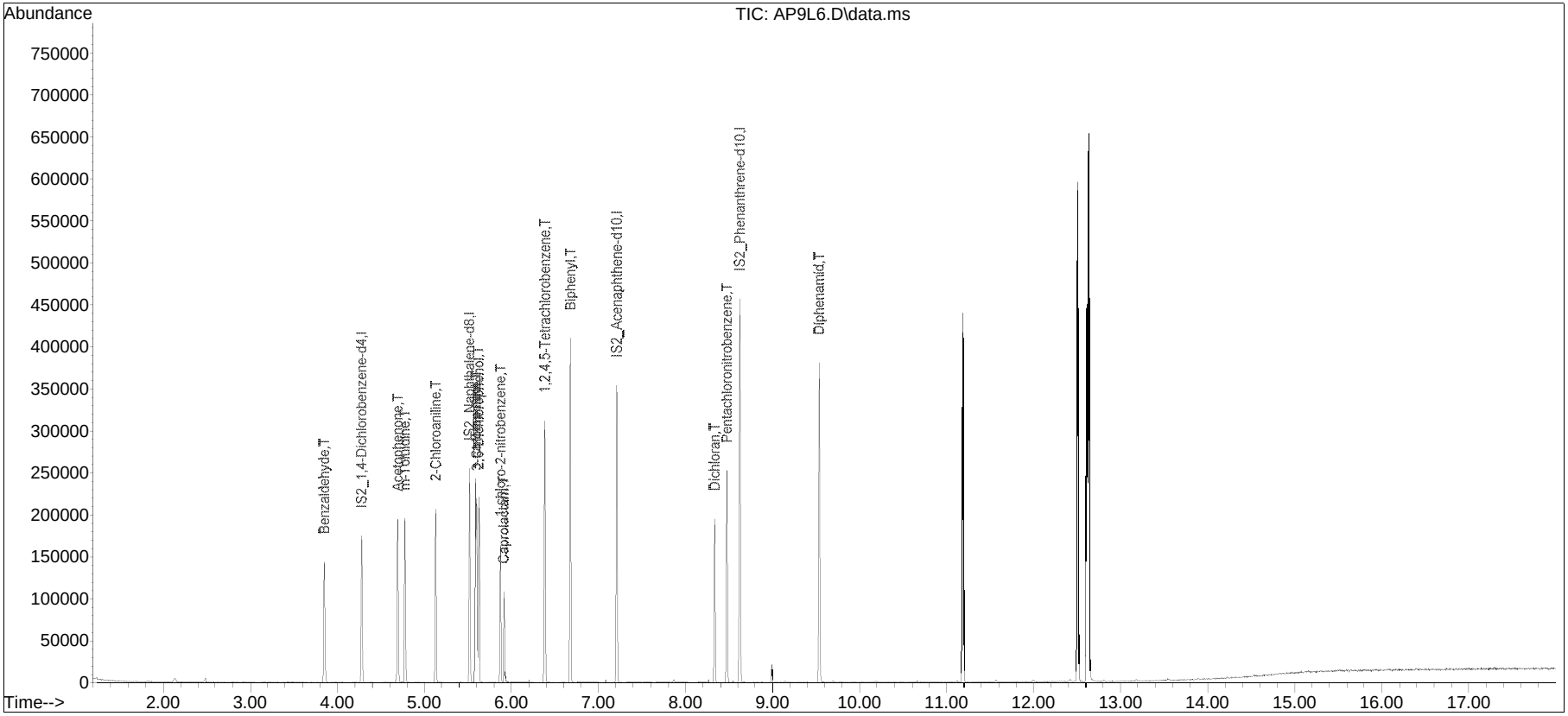
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:39 pm	Instrument	: Dakota
Sample	: IL5,32,,AP9L5 Lot# 11123	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28127	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 99.24%			
57)	IS2_Naphthalene-d8	5.520	136	101422	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 102.92%			
85)	IS2_Acenaphthene-d10	7.210	164	65158	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 101.24%			
100)	IS2_Phenanthrene-d10	8.622	188	143298	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 100.56%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.848	105	12268	2.112	ug/ml	99
29)	Acetophenone	4.696	105	23923	2.193	ug/ml#	81
30)	m-Toluidine	4.780	106	22093	2.260	ug/ml	93
31)	2-Chloroaniline	5.134	127	23952	2.336	ug/ml#	90
58)	a-Terpineol	5.588	59	13333	2.085	ug/ml#	75
59)	3-Chloroaniline	5.600	65	6723	1.960	ug/ml	84
60)	2,6-Dichlorophenol	5.625	162	18101	2.148	ug/ml#	79
61)	1-chloro-2-nitrobenzene	5.877	111	7212	2.368	ug/ml#	1
62)	Caprolactam	5.914	55	7181	1.900	ug/ml#	72
63)	1,2,4,5-Tetrachloroben...	6.387	216	25415	2.062	ug/ml#	96
64)	Biphenyl	6.679	154	52147	2.092	ug/ml	97
86)	Dichloran	8.332	206	5931	1.961	ug/ml#	62
87)	Pentachloronitrobenzene	8.479	237	6694	2.442	ug/ml#	77
101)	Diphenamid	9.535	167	34942	2.008	ug/ml#	74

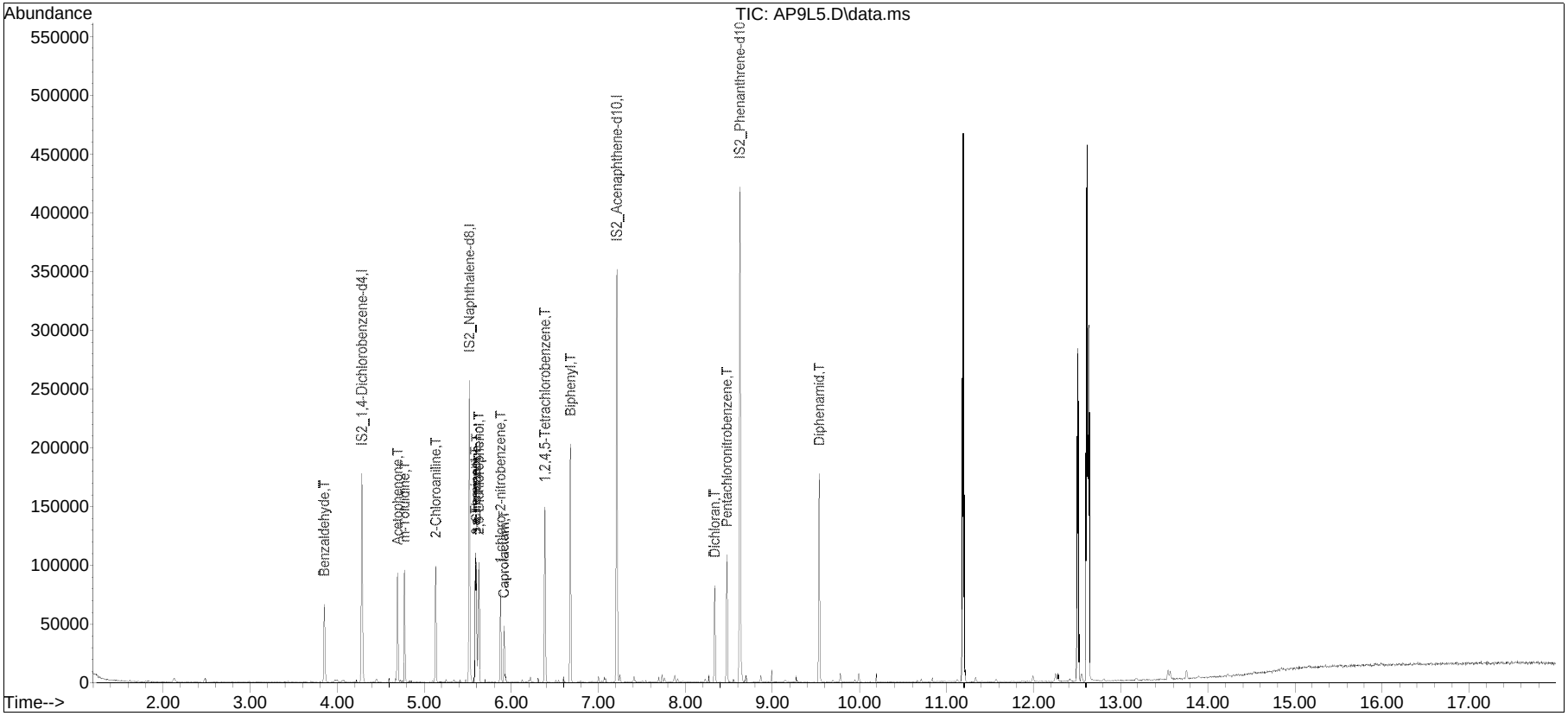
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:03 pm	Instrument	: Dakota
Sample	: IL6,32,,AP9L2.5 Lot# 11124	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28739	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.40%		
57) IS2_Naphthalene-d8	5.520	136	102925	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	104.45%		
85) IS2_Acenaphthene-d10	7.210	164	64341	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	99.97%		
100) IS2_Phenanthrene-d10	8.621	188	144463	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.38%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.850	105	5052	0.851	ug/ml	94
29) Acetophenone	4.699	105	9554	0.857	ug/ml#	80
30) m-Toluidine	4.780	106	7848	0.786	ug/ml	96
31) 2-Chloroaniline	5.134	127	9085	0.867	ug/ml#	91
58) a-Terpineol	5.588	59	5487	0.846	ug/ml#	84
59) 3-Chloroaniline	5.603	65	2869	0.824	ug/ml	93
60) 2,6-Dichlorophenol	5.625	162	7133	0.834	ug/ml#	81
61) 1-chloro-2-nitrobenzene	5.880	111	2926	0.947	ug/ml#	1
62) Caprolactam	5.914	55	2946	0.768	ug/ml#	87
63) 1,2,4,5-Tetrachloroben...	6.387	216	10121	0.809	ug/ml	98
64) Biphenyl	6.679	154	20682	0.818	ug/ml	95
86) Dichloran	8.332	206	2292	0.768	ug/ml#	57
87) Pentachloronitrobenzene	8.475	237	2782	1.432	ug/ml#	70
101) Diphenamid	9.535	167	13612	0.776	ug/ml#	72

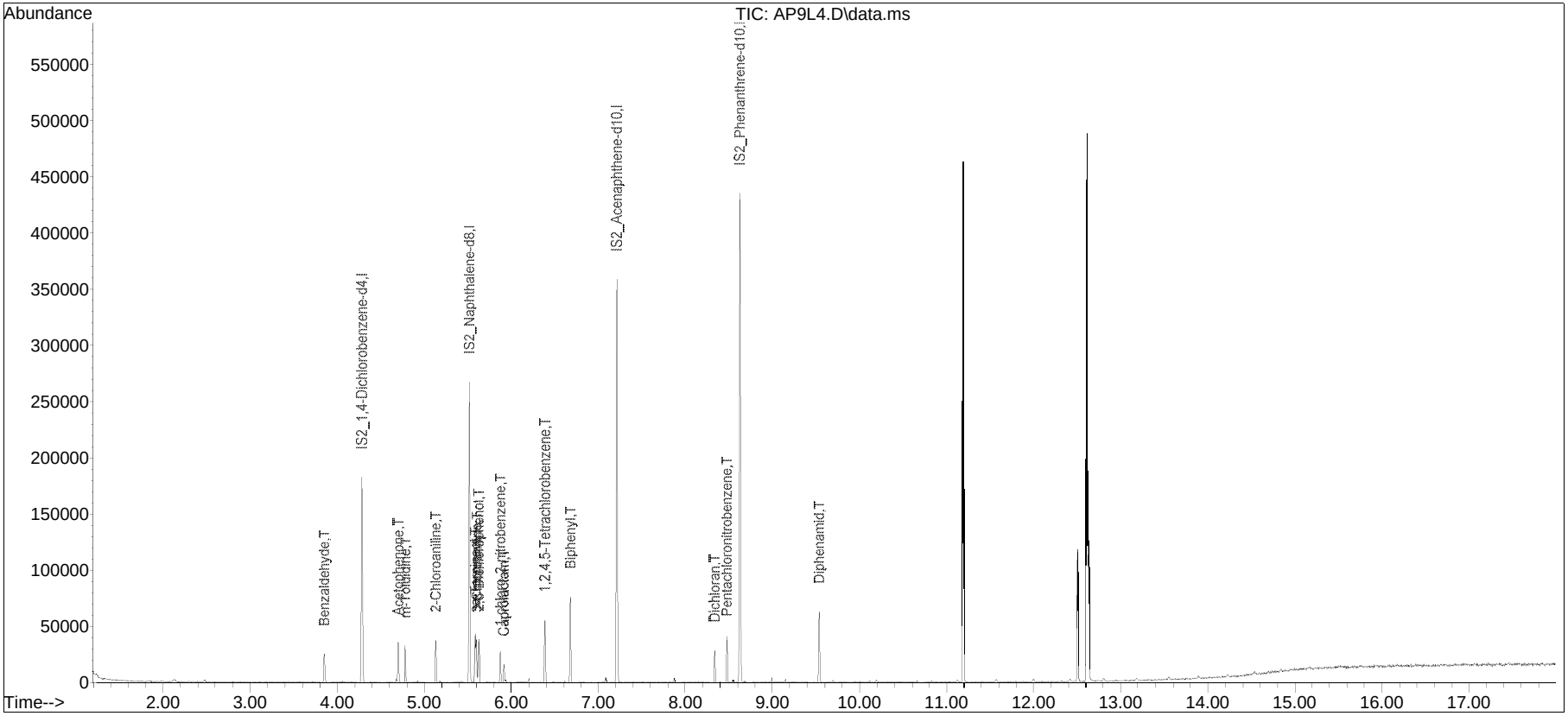
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L4.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:26 pm	Instrument	: Dakota
Sample	: IL7,32,,AP9L1 Lot# 11125	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27039	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 95.40%			
57)	IS2_Naphthalene-d8	5.519	136	97334	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 98.77%			
85)	IS2_Acenaphthene-d10	7.210	164	61265	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 95.19%			
100)	IS2_Phenanthrene-d10	8.621	188	138508	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 97.20%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.850	105	2360	0.423	ug/ml	98
29)	Acetophenone	4.696	105	4756	0.453	ug/ml#	77
30)	m-Toluidine	4.780	106	3649	0.388	ug/ml#	86
31)	2-Chloroaniline	5.134	127	4626	0.469	ug/ml#	88
58)	a-Terpineol	5.588	59	2579	0.420	ug/ml#	74
59)	3-Chloroaniline	5.600	65	1366	0.415	ug/ml	93
60)	2,6-Dichlorophenol	5.625	162	3612	0.447	ug/ml#	77
61)	1-chloro-2-nitrobenzene	5.877	111	1392	0.476	ug/ml#	1
62)	Caprolactam	5.917	55	1361	0.375	ug/ml#	82
63)	1,2,4,5-Tetrachloroben...	6.387	216	5052	0.427	ug/ml#	94
64)	Biphenyl	6.679	154	10707	0.448	ug/ml	96
86)	Dichloran	8.332	206	1010	0.355	ug/ml#	61
87)	Pentachloronitrobenzene	8.478	237	1199	1.030	ug/ml#	76
101)	Diphenamid	9.535	167	6787	0.403	ug/ml#	75

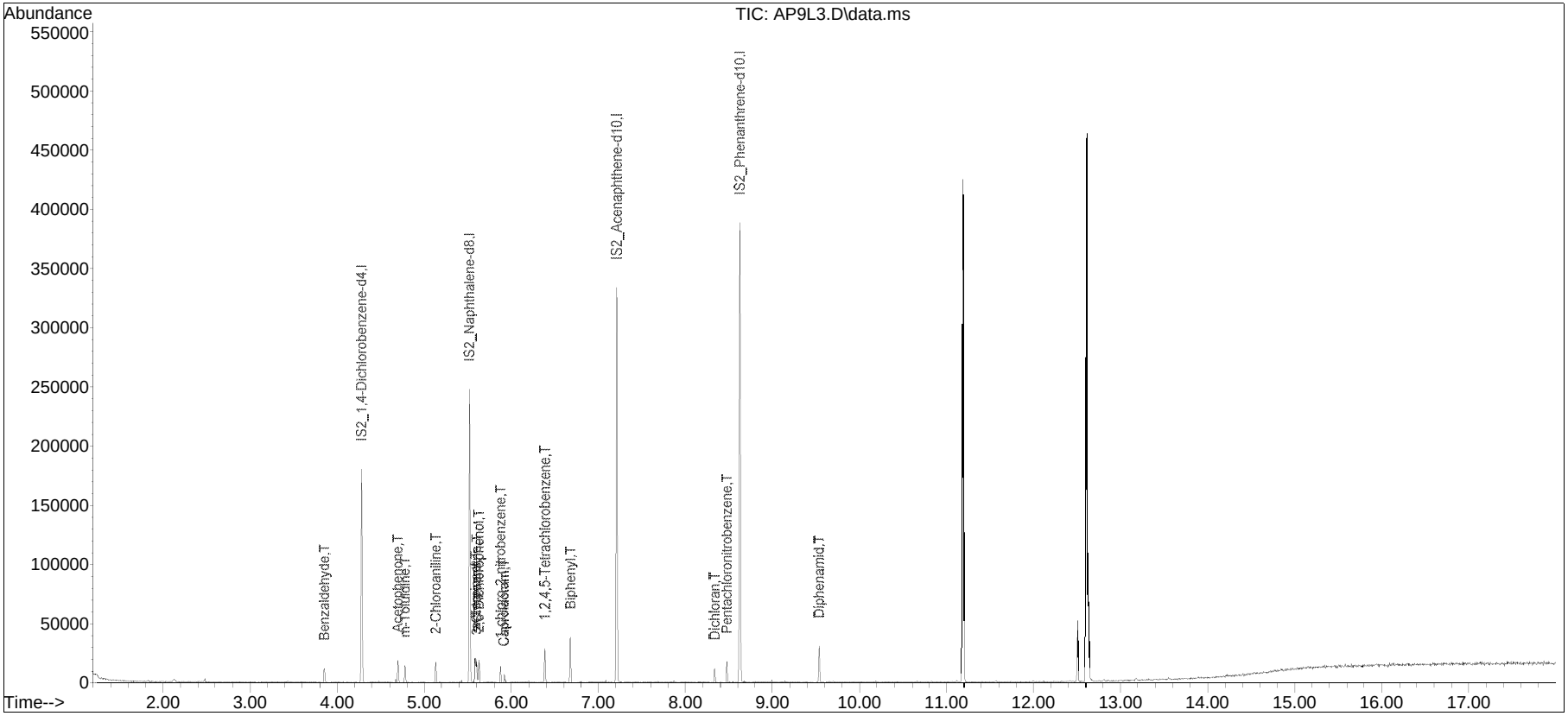
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:49 pm	Instrument	: Dakota
Sample	: IL8,32,,AP9L0.5 Lot# 11126	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27477	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery = 96.95%				
57)	IS2_Naphthalene-d8	5.519	136	98352	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery = 99.81%				
85)	IS2_Acenaphthene-d10	7.210	164	62816	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery = 97.60%				
100)	IS2_Phenanthrene-d10	8.621	188	141690	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery = 99.44%				
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.854	105	776	0.137	ug/ml		90
29)	Acetophenone	4.699	105	1761	0.165	ug/ml	#	39
30)	m-Toluidine	4.783	106	852	0.089	ug/ml	#	88
31)	2-Chloroaniline	5.134	127	1745	0.174	ug/ml	#	42
58)	a-Terpineol	5.591	59	1032	0.166	ug/ml	#	83
59)	3-Chloroaniline	5.600	65	425M2	0.128	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	1208	0.148	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.877	111	446M2	0.151	ug/ml		
62)	Caprolactam	5.930	55	508M2	0.139	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.383	216	2062	0.172	ug/ml	#	81
64)	Biphenyl	6.679	154	3880	0.161	ug/ml		93
86)	Dichloran	8.332	206	473M2	0.162	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	438M2	0.816	ug/ml		
101)	Diphenamid	9.535	167	2689	0.156	ug/ml	#	71

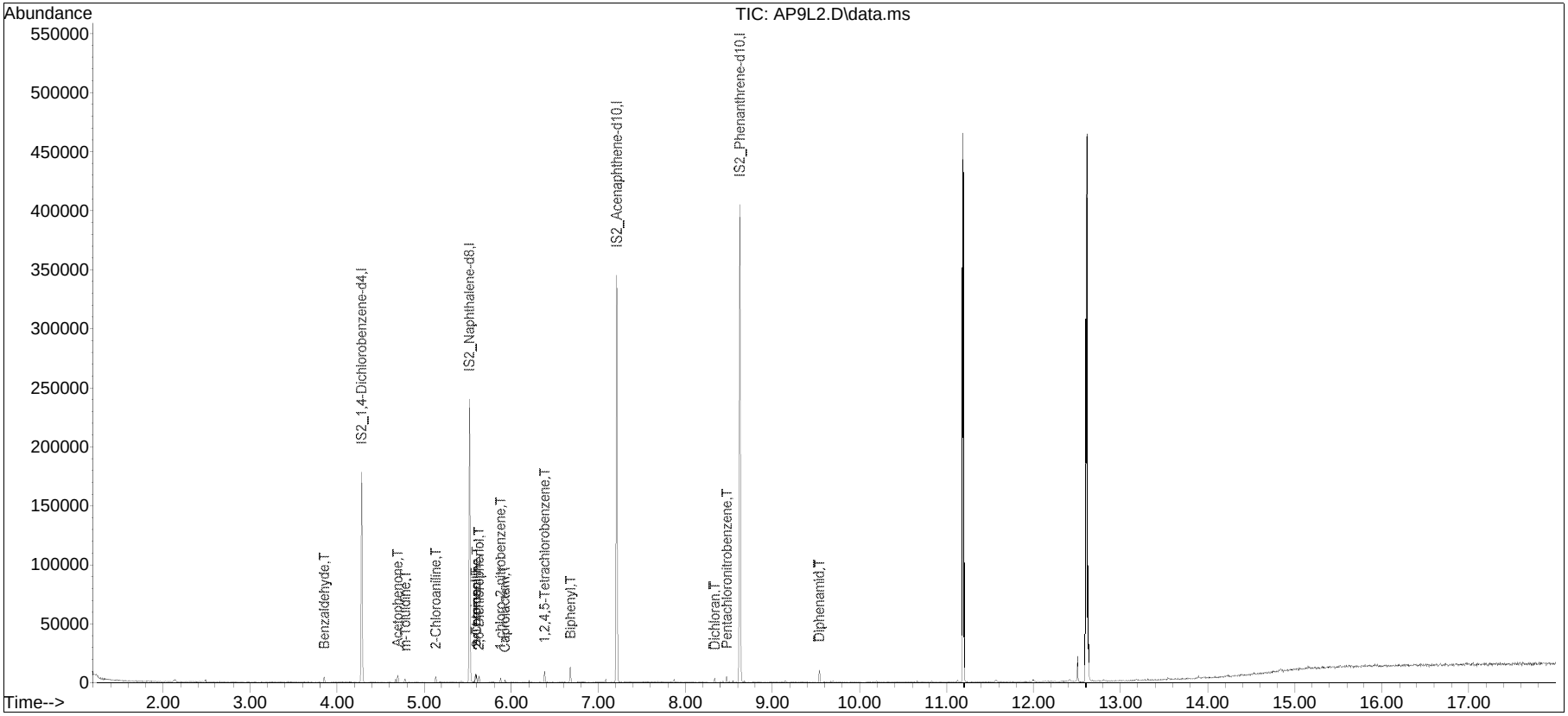
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

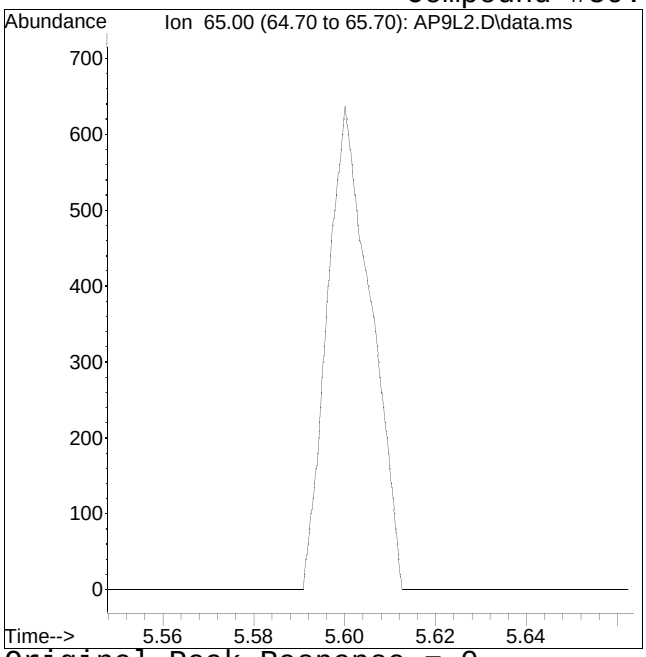
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

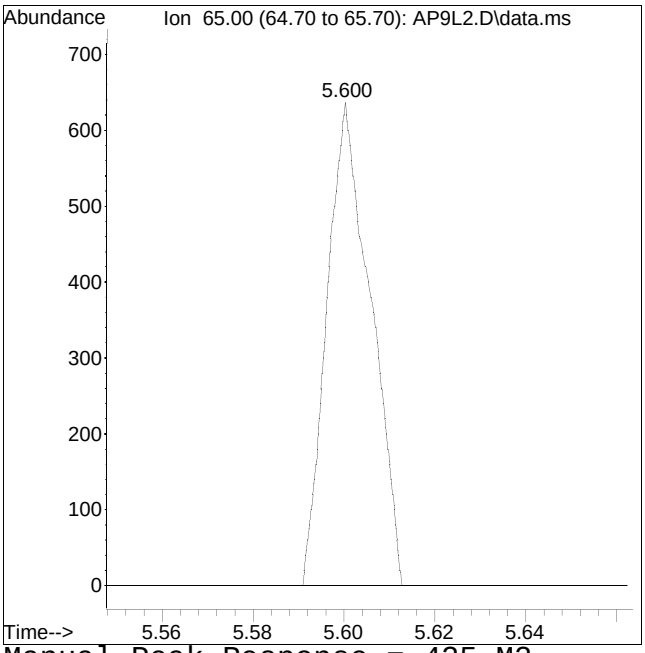


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



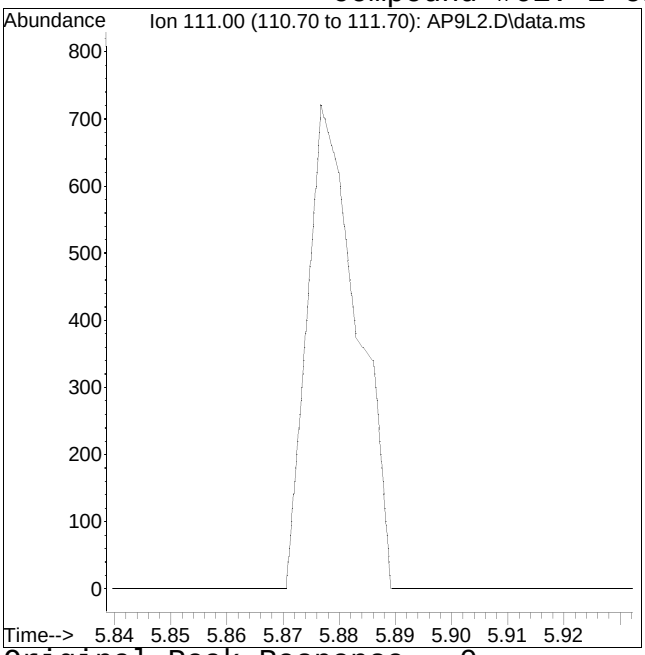


Original Peak Response = 0
Manual Peak Response = 425 M2
M2 = Peak not found by automatic integration algorithm.

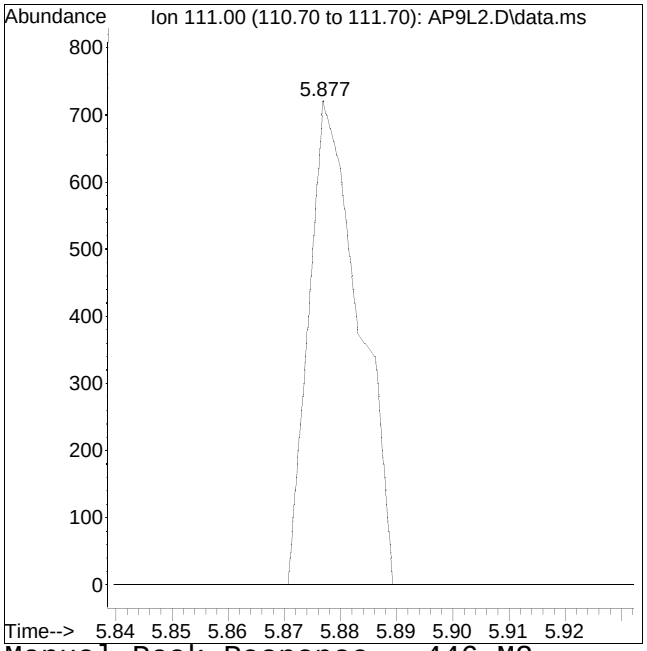
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



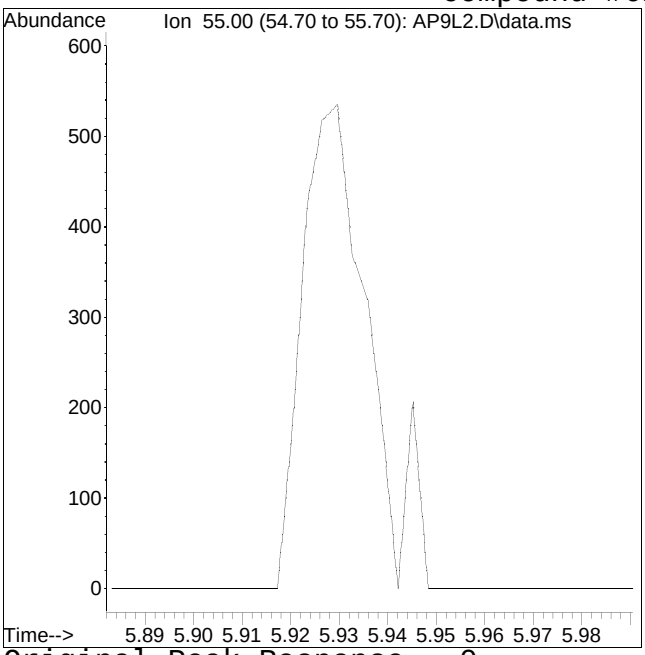
Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

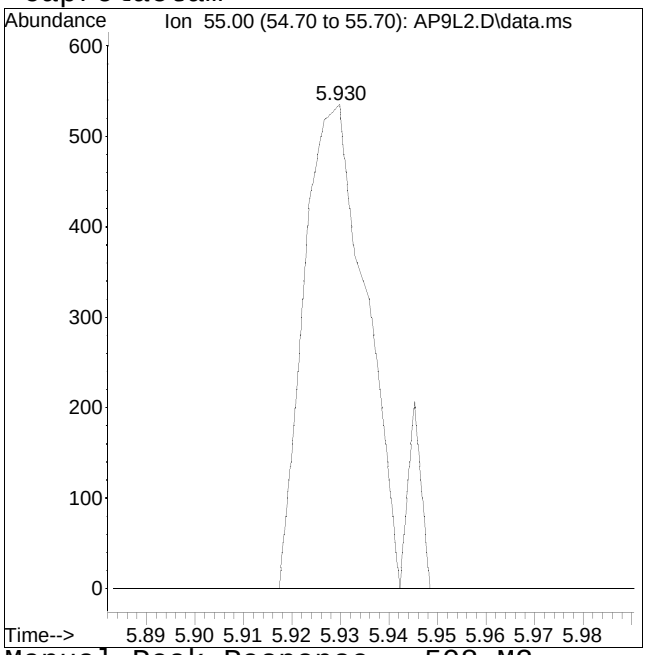
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



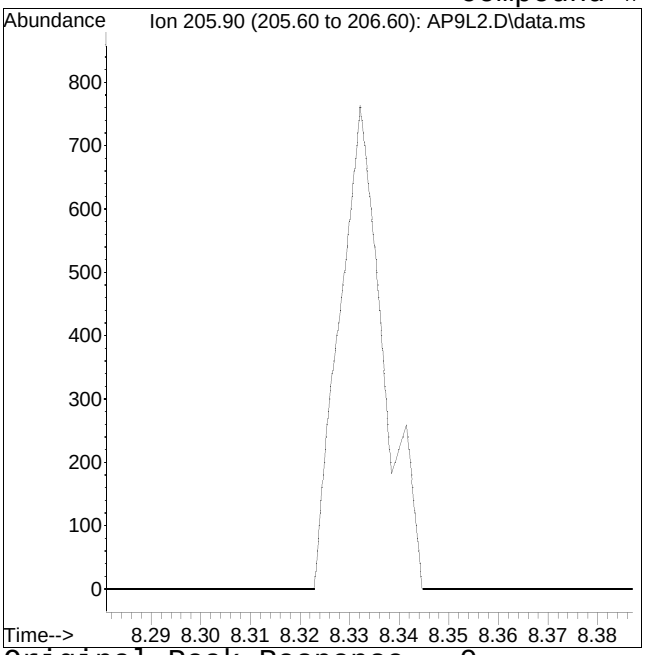
Manual Peak Response = 508 M2

M2 = Peak not found by automatic integration algorithm.

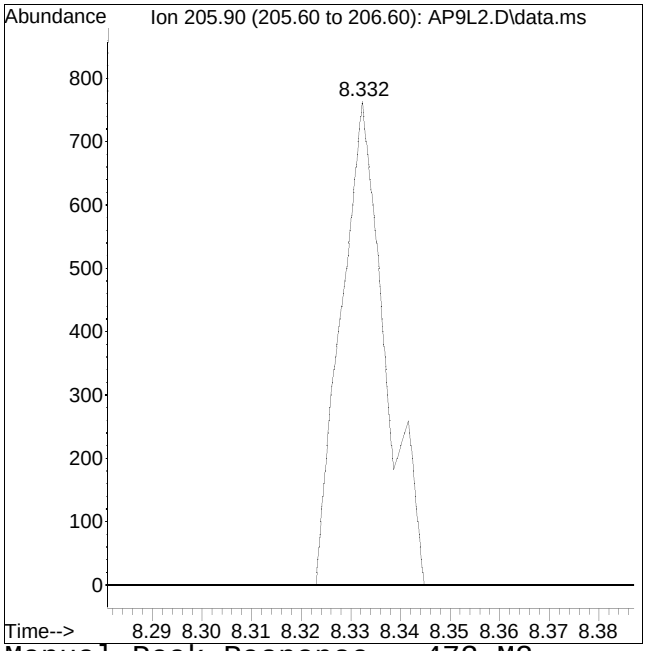
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



Original Peak Response = 0



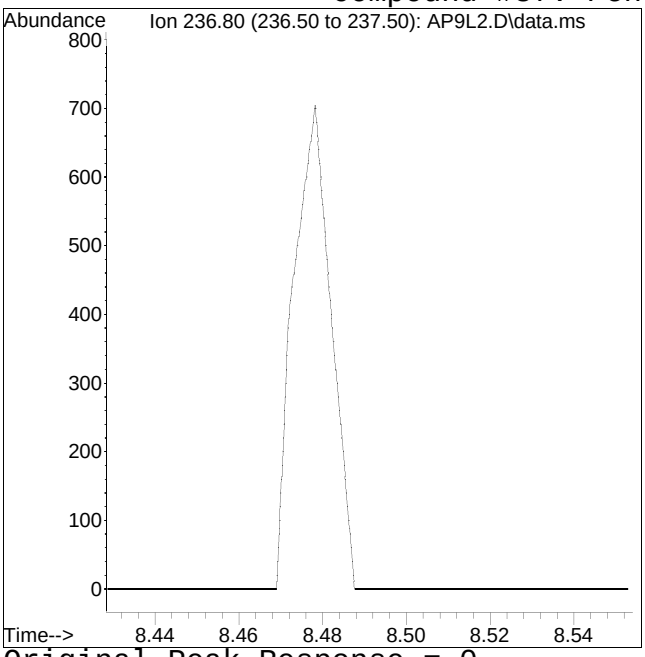
Manual Peak Response = 473 M2

M2 = Peak not found by automatic integration algorithm.

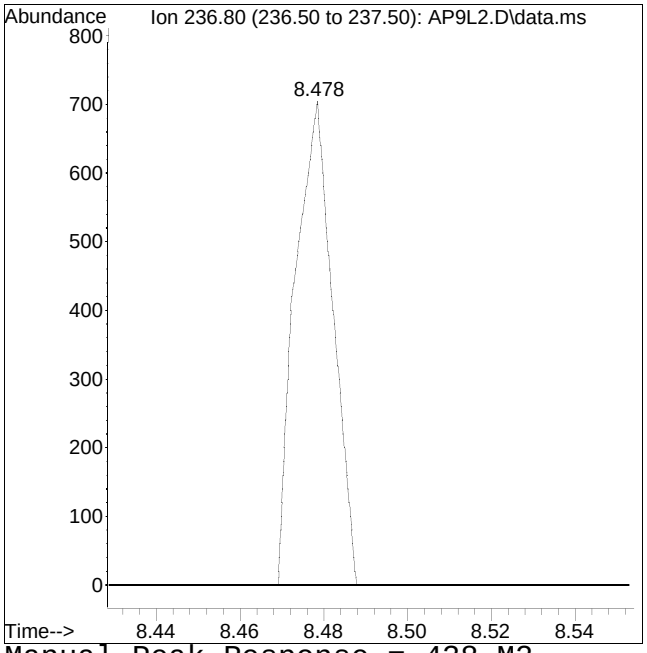
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 438 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.286	152	28042	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	98.94%			
57)	IS2_Naphthalene-d8	5.519	136	99051	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	100.51%			
85)	IS2_Acenaphthene-d10	7.210	164	62731	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	97.47%			
100)	IS2_Phenanthrene-d10	8.621	188	139376	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	97.81%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.850	105	375M2	0.065	ug/ml		
29)	Acetophenone	4.702	105	776M6	0.071	ug/ml		
30)	m-Toluidine	0.000		0	N.D.			
31)	2-Chloroaniline	5.134	127	756	0.074	ug/ml	#	42
58)	a-Terpineol	5.588	59	402M2	0.064	ug/ml		
59)	3-Chloroaniline	5.603	65	70M2	0.021	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	620	0.075	ug/ml	#	15
61)	1-chloro-2-nitrobenzene	5.880	111	168M2	0.056	ug/ml		
62)	Caprolactam	5.936	55	285M2	0.077	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.387	216	878	0.073	ug/ml	#	87
64)	Biphenyl	6.679	154	1780	0.073	ug/ml	#	92
86)	Dichloran	8.332	206	178M2	0.061	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	72M2	0.717	ug/ml		
101)	Diphenamid	9.538	167	1208	0.071	ug/ml	#	76

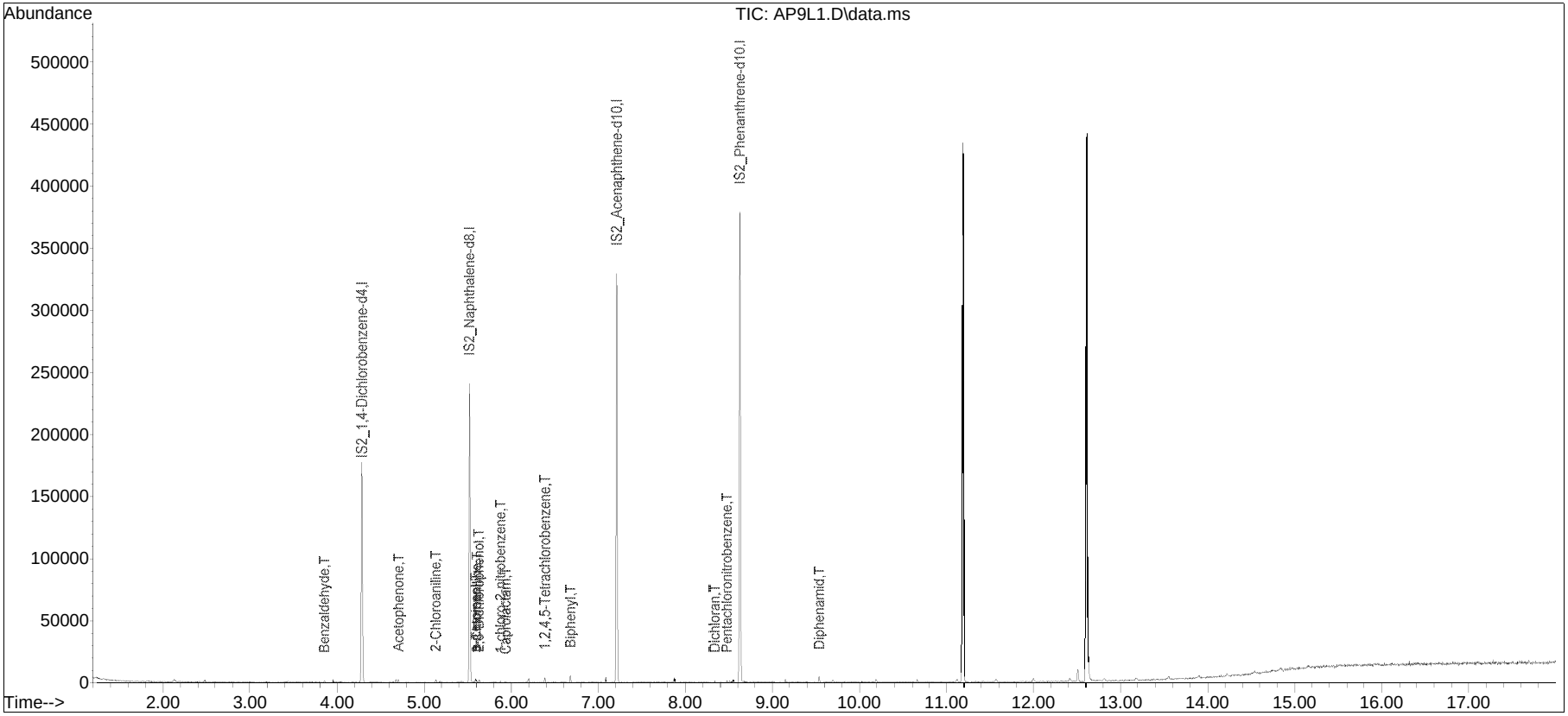
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

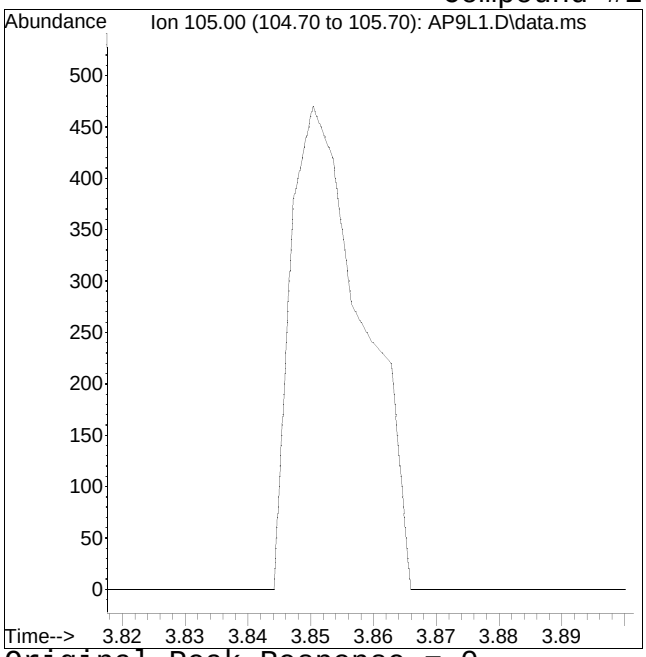
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



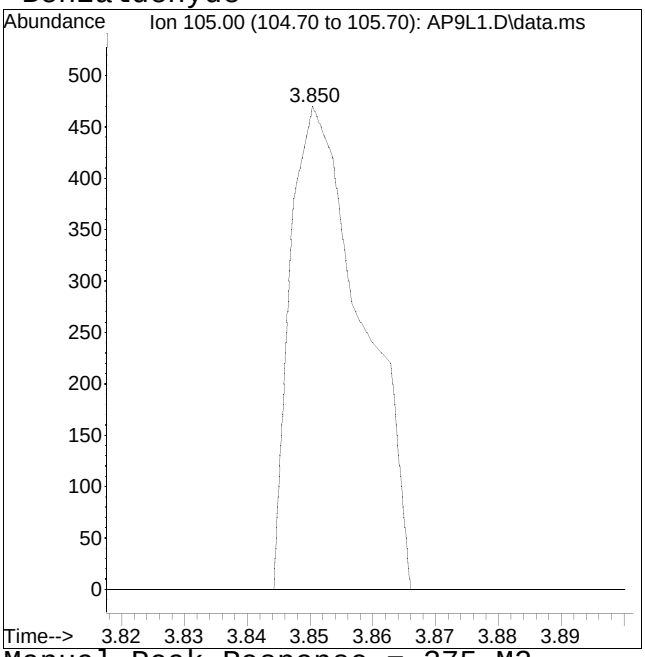
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #28: Benzaldehyde



Original Peak Response = 0



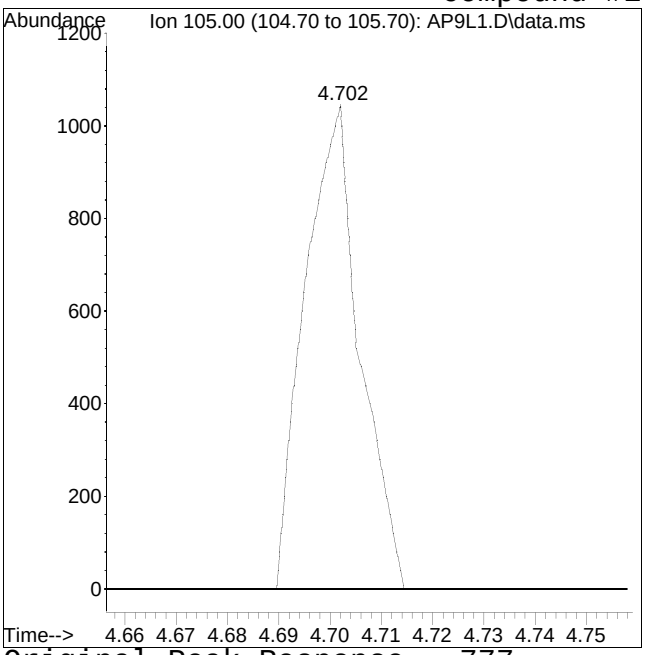
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

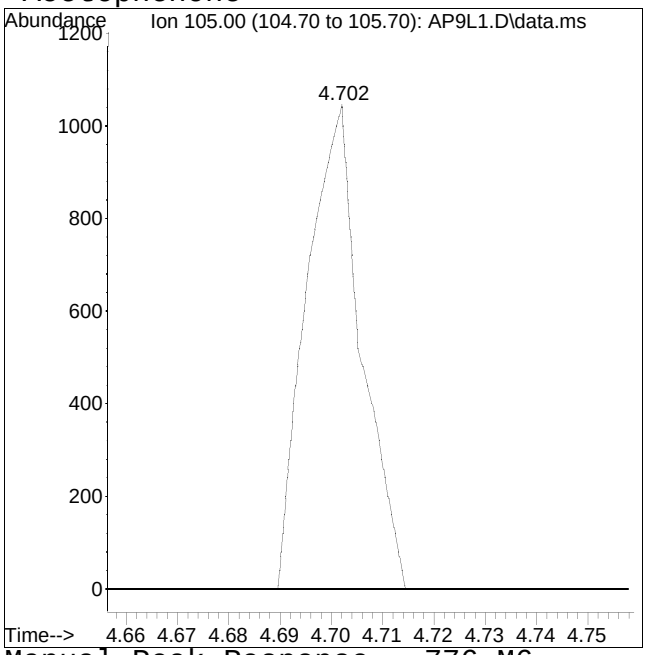
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #29: Acetophenone



Original Peak Response = 777



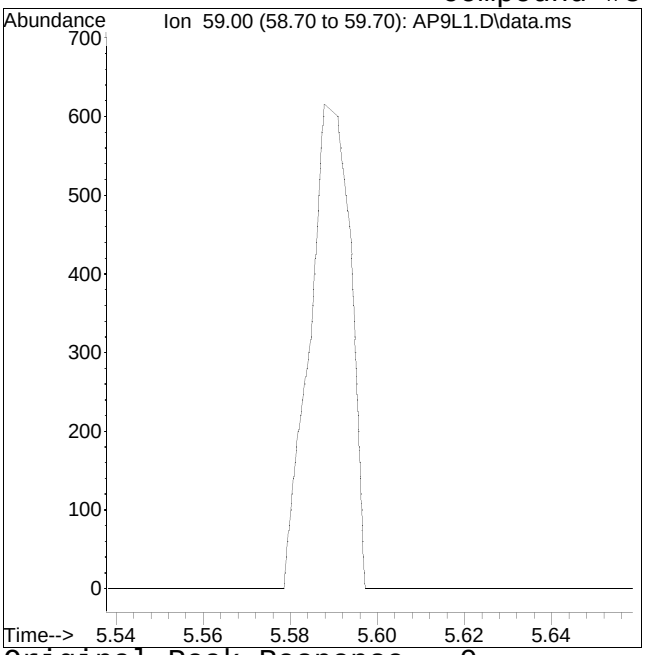
Manual Peak Response = 776 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

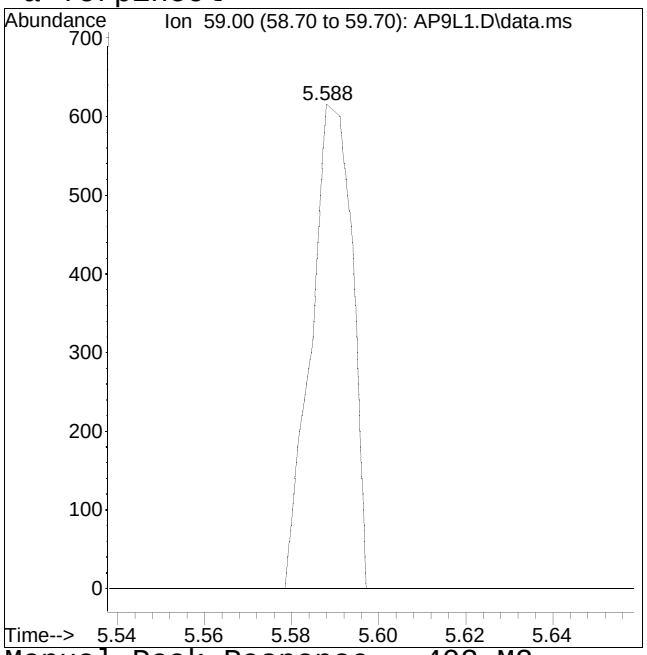
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:36 pm Instrument : Dakota
Sample : IL10,32,,AP9L0.1 Lot# 1112Quant Date : 11/6/2024 8:37 am

Compound #58: a-Terpineol



Original Peak Response = 0



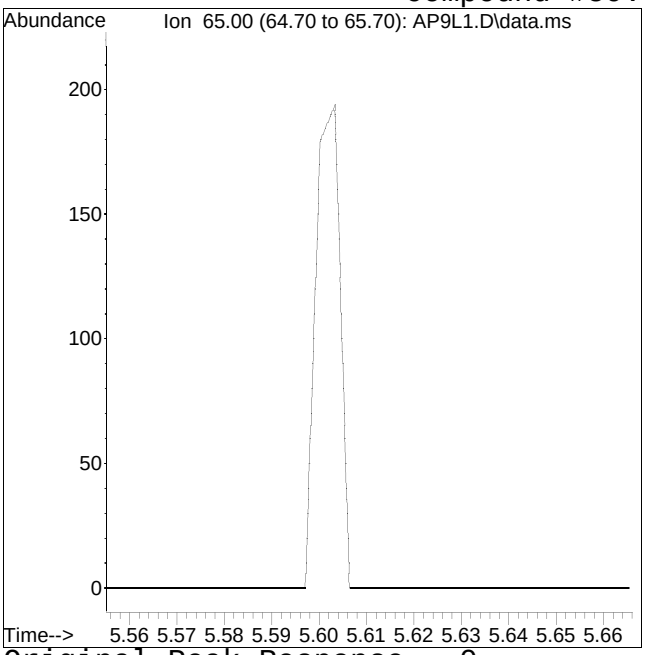
Manual Peak Response = 402 M2

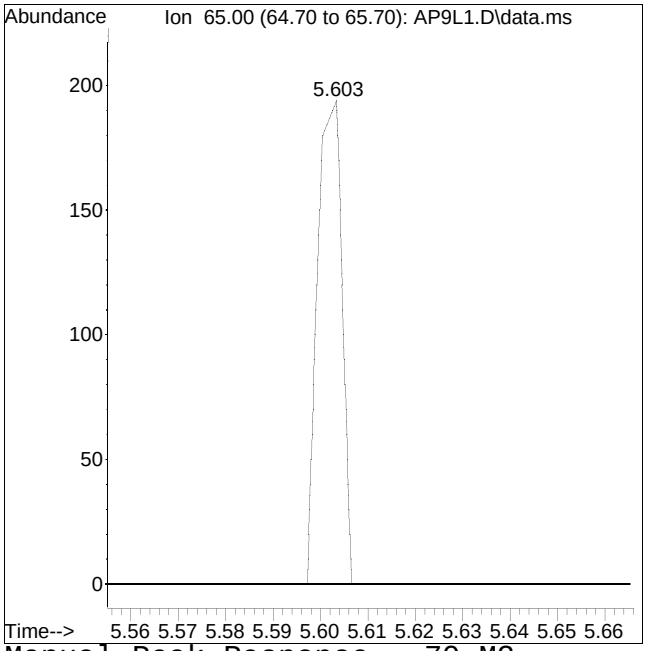
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



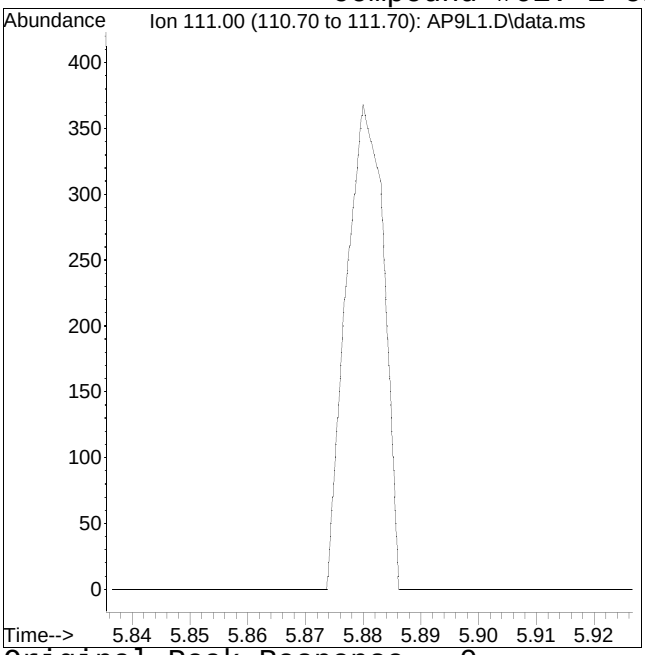


Original Peak Response = 0
Manual Peak Response = 70 M2
M2 = Peak not found by automatic integration algorithm.

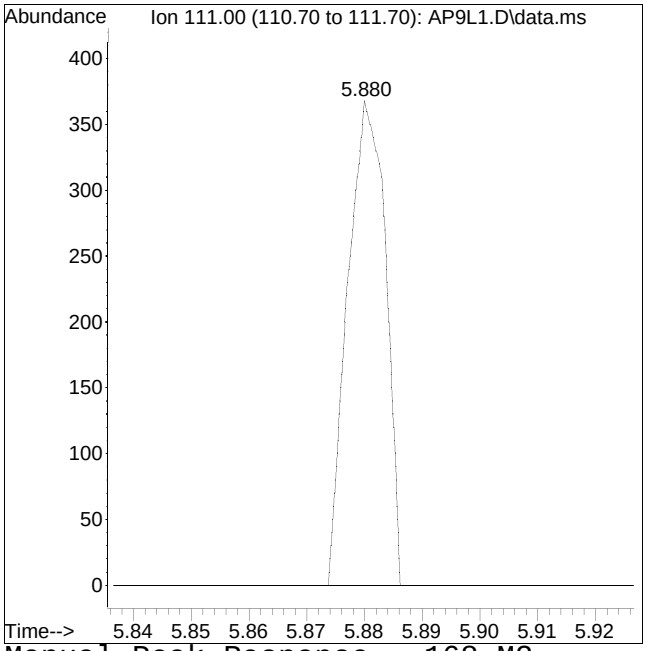
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



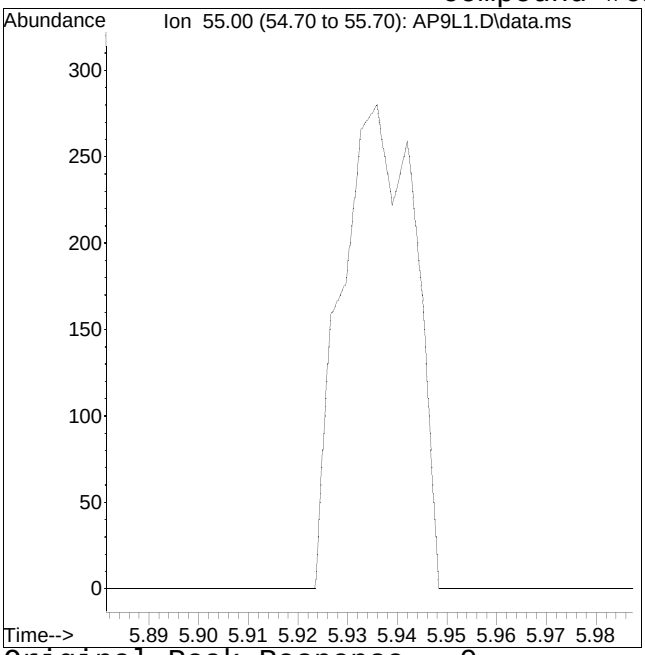
Manual Peak Response = 168 M2

M2 = Peak not found by automatic integration algorithm.

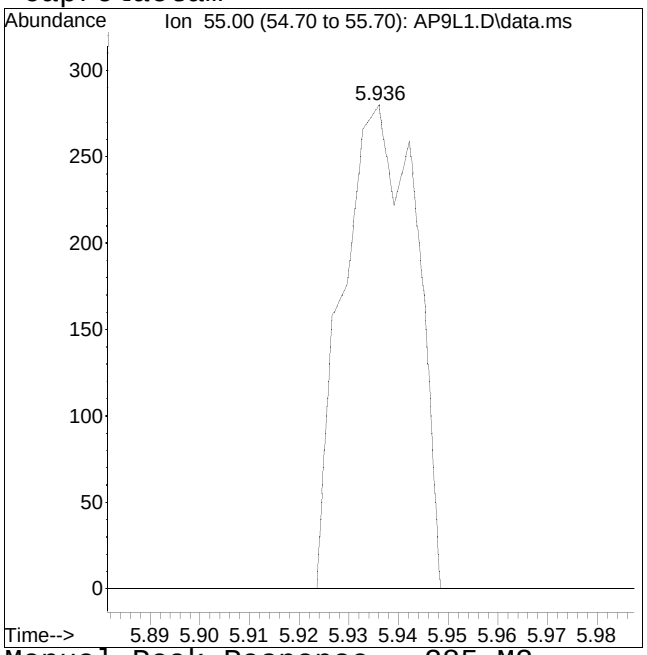
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



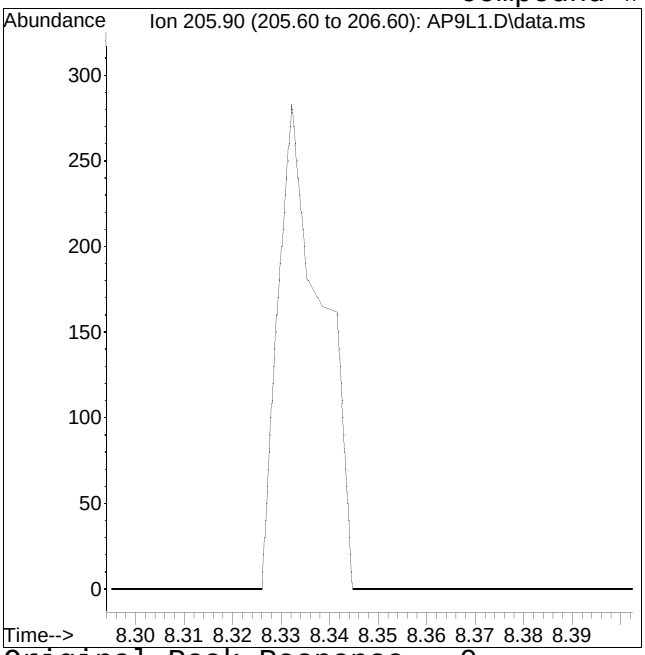
Manual Peak Response = 285 M2

M2 = Peak not found by automatic integration algorithm.

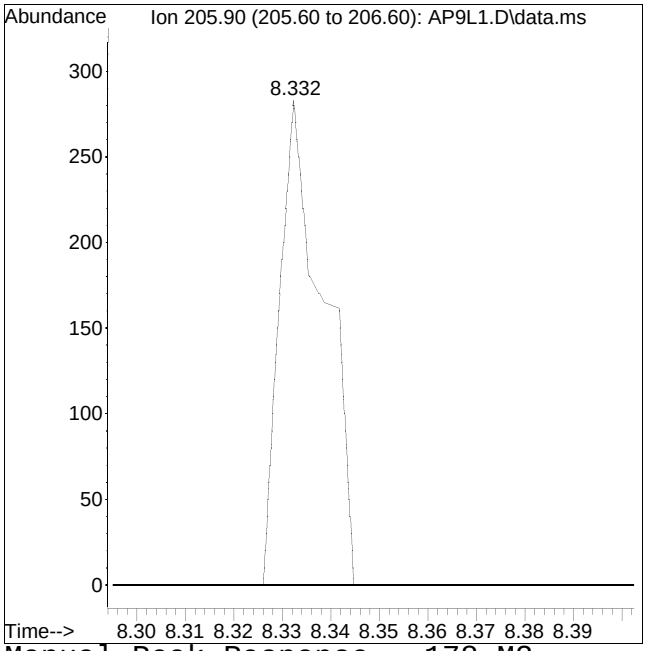
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



Original Peak Response = 0



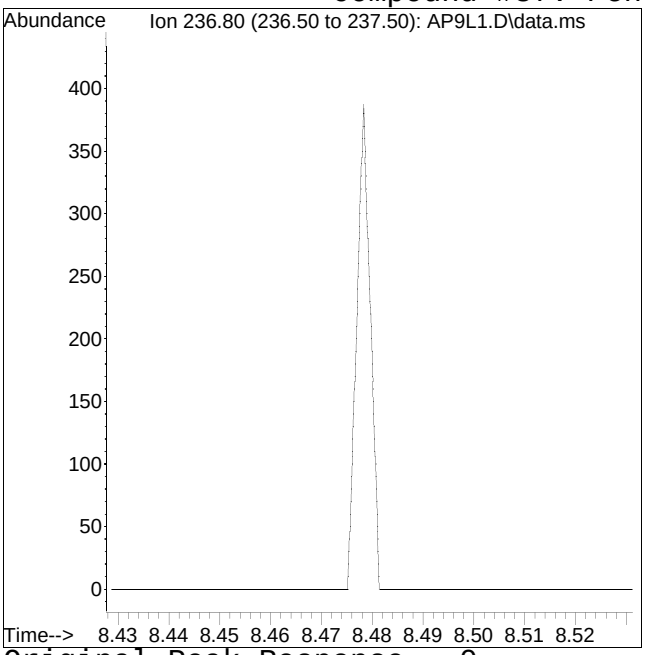
Manual Peak Response = 178 M2

M2 = Peak not found by automatic integration algorithm.

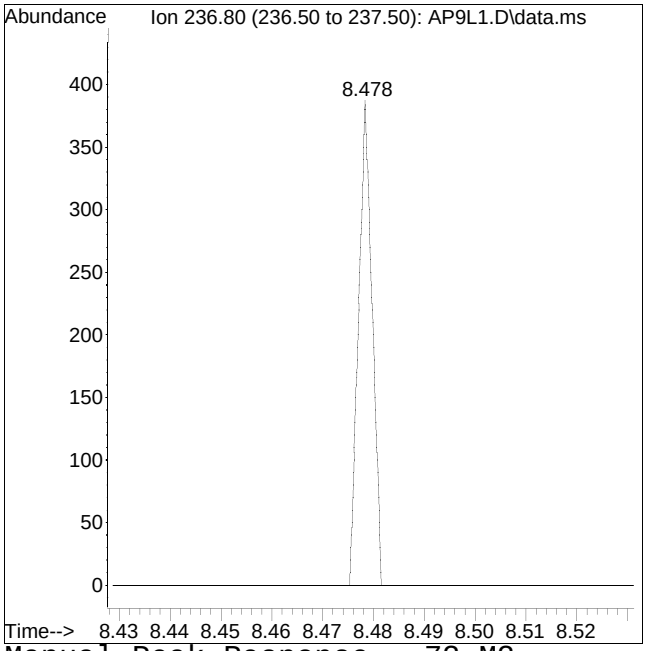
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 72 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	t	n-Nitrosodimethylamine	0.630	0.605	4.0	101	0.00
3	t	Pyridine	0.954	0.757	20.6#	77	0.00
4	S	2-Fluorophenol	1.028	0.968	5.8	100	0.00
5	T	Aniline	1.567	1.337	14.7	90	0.00
6	t	2-Chlorophenol	1.225	1.160	5.3	99	0.00
7	S	Phenol-d6	1.317	1.189	9.7	96	0.00
8	T	Phenol	1.421	1.295	8.9	96	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.962	5.4	101	0.00
10	T	1,3-Dichlorobenzene	1.577	1.429	9.4	98	0.00
11	T	1,4-Dichlorobenzene	1.610	1.474	8.4	99	0.00
12	T	1,2-Dichlorobenzene	1.534	1.411	8.0	100	0.00
13	t	Benzyl alcohol	0.930	0.869	6.6	99	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.670	6.9	101	0.00
15	T	2-Methylphenol	1.079	0.990	8.2	101	0.00
16	T	Hexachloroethane	0.589	0.529	10.2	101	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.773	10.4	98	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.061	10.2	99	0.00
19	S	Nitrobenzene-d5	1.195	1.112	6.9	98	0.00
20	T	Nitrobenzene	1.222	1.123	8.1	97	0.00
21	T	Isophorone	2.247	2.012	10.5	96	0.00
22	T	2-Nitrophenol	0.619	0.547	11.6	94	0.00
23	T	2,4-Dimethylphenol	1.101	0.834	24.3#	81	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.314	6.1	100	0.00
25	T	2,4-Dichlorophenol	1.285	1.170	8.9	97	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.418	8.8	99	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	104	0.00
38	T	Naphthalene	1.100	0.979	11.0	100	0.00
39	T	Benzoic Acid	0.228	0.175	23.2#	88	0.00
40	T	4-Chloroaniline	0.121	0.104	14.0	92	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	100	0.00
42	T	p-Chloro-m-cresol	0.290	0.261	10.0	97	0.00
43	T	2-Methylnaphthalene	0.761	0.690	9.3	102	0.00
44	T	1-Methylnaphthalene	0.242	0.219	9.5	98	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.211	22.4#	81	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.262	8.7	98	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.284	11.3	98	0.00
48	S	2-Fluorobiphenyl	0.990	0.872	11.9	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene		0.852	0.739	13.3	96	0.00
50	T	2-Nitroaniline		0.218	0.194	11.0	93	0.00
51	T	1,4-Dinitrobenzene		0.095	0.085	10.5	94	0.00
52	T	1,3-Dinitrobenzene		0.113	0.101	10.6	91	0.00
53	T	Dimethyl phthalate		0.991	0.879	11.3	99	0.00
54	T	Acenaphthylene		1.252	1.111	11.3	98	0.00
55	T	2,6-Dinitrotoluene		0.185	0.166	10.3	93	0.00
56	T	1,2-Dinitrobenzene		0.066	0.068	-3.0	101	0.00
65	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	103	0.00
66	T	3-Nitroaniline		0.309	0.291	5.8	97	0.00
67	T	Acenaphthene		1.163	0.993	14.6	97	0.00
68	T	2,4-Dinitrophenol	*	5.000	4.126	17.5	92	0.00
69	T	Dibenzofuran		2.006	1.787	10.9	101	0.00
70	T	2,4-Dinitrotoluene		0.387	0.375	3.1	96	0.00
71	T	4-Nitrophenol		0.230	0.215	6.5	95	0.00
72	T	2,3,5,6-Tetrachlorophenol		0.436	0.395	9.4	96	0.00
73	T	2,3,4,6-Tetrachlorophenol		0.428	0.396	7.5	99	0.00
74	T	Diethyl phthalate		1.575	1.380	12.4	99	0.00
75	T	Fluorene		1.536	1.359	11.5	99	0.00
76	T	4-Chlorophenyl phenyl ether		0.792	0.702	11.4	100	0.00
77	T	4-Nitroaniline		0.299	0.300	-0.3	99	0.00
78	T	4,6-Dinitro-o-cresol		0.234	0.216	7.7	92	0.00
79	T	NDPA/DPA		1.337	1.176	12.0	100	0.00
80	T	Azobenzene		1.281	1.179	8.0	100	0.00
81	S	2,4,6-Tribromophenol		0.286	0.269	5.9	102	0.00
82	T	4-Bromophenyl phenyl ether		0.522	0.455	12.8	99	0.00
83	T	Hexachlorobenzene		0.656	0.553	15.7	98	0.00
84	T	Pentachlorophenol		0.356	0.324	9.0	94	0.00
90	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	102	0.00
91	T	Phenanthrene		1.183	1.044	11.7	98	0.00
92	T	Anthracene		1.160	1.061	8.5	100	0.00
93	T	Carbazole		1.064	0.982	7.7	98	0.00
94	T	Di-n-butylphthalate		1.207	1.119	7.3	97	0.00
95	T	Fluoranthene		1.422	1.289	9.4	100	0.00
96	T	Benzidine		0.772	0.715	7.4	91	0.00
97	T	Pyrene		1.520	1.421	6.5	102	0.00
98	S	4-Terphenyl-d14		1.157	1.045	9.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.492	4.8	97	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	102	0.00
107	T	Benzo(a)anthracene	1.355	1.205	11.1	99	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.480	5.0	98	0.00
109	T	Chrysene	1.349	1.187	12.0	99	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.689	5.1	96	0.00
111	T	Di-n-octylphthalate	1.212	1.150	5.1	97	0.00
112	T	Benzo(b)fluoranthene	1.420	1.274	10.3	99	0.00
113	T	Benzo(k)fluoranthene	1.383	1.303	5.8	99	0.00
114	T	Benzo(a)pyrene	1.267	1.183	6.6	98	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	102	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.129	8.5	98	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.133	6.6	99	0.00
118	T	Benzo(ghi)perylene	1.192	1.061	11.0	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	29942	4.000	ug/ml	0.00
Standard Area 1 = 30017			Recovery = 99.75%			
37) IS1_Naphthalene-d8	5.520	136	111727	4.000	ug/ml	0.00
Standard Area 1 = 110693			Recovery = 100.93%			
65) IS1_Acenaphthene-d10	7.210	164	71834	4.000	ug/ml	0.00
Standard Area 1 = 71339			Recovery = 100.69%			
90) IS1_Phenanthrene-d10	8.625	188	153221	4.000	ug/ml	0.00
Standard Area 1 = 152962			Recovery = 100.17%			
106) IS1_Chrysene-d12	11.192	240	177321	4.000	ug/ml	0.00
Standard Area 1 = 173819			Recovery = 102.01%			
115) IS1_Perylene-d12	12.609	264	206959	4.000	ug/ml	0.00
Standard Area 1 = 202944			Recovery = 101.98%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.996	112	36238	4.708	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.40%#			
7) Phenol-d6	3.984	99	44501	4.514	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 225.70%#			
19) Nitrobenzene-d5	4.833	82	41614	4.652	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 465.20%#			
48) 2-Fluorobiphenyl	6.592	172	121772	4.404	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 440.40%#			
81) 2,4,6-Tribromophenol	7.969	330	24120	4.697	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.85%#			
98) 4-Terphenyl-d14	10.191	244	200195	4.515	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 451.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.600	74	22641	4.799	ug/ml#	79
3) Pyridine	1.641	79	28316M1	3.965	ug/ml	
5) Aniline	3.969	93	50034	4.266	ug/ml	95
6) 2-Chlorophenol	4.077	128	43409	4.734	ug/ml#	87
8) Phenol	3.997	94	48485	4.559	ug/ml	96
9) Bis(2-chloroethyl)ether	4.056	93	36003	4.728	ug/ml	99
10) 1,3-Dichlorobenzene	4.224	146	53479	4.532	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	55162	4.578	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	52815	4.599	ug/ml	94
13) Benzyl alcohol	4.450	79	32533	4.673	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	4.593	45	62522	4.656	ug/ml#	63
15) 2-Methylphenol	4.590	108	37053	4.586	ug/ml	100
16) Hexachloroethane	4.771	117	19810	4.490	ug/ml#	48
17) n-Nitrosodi-n-propylamine	4.721	70	28948	4.483	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.749	108	39726	4.488	ug/ml	100
20) Nitrobenzene	4.848	77	42031	4.594	ug/ml	97
21) Isophorone	5.094	82	75307	4.477	ug/ml	95
22) 2-Nitrophenol	5.165	139	20467	4.419	ug/ml#	86
23) 2,4-Dimethylphenol	5.255	107	31220	3.789	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	49166	4.692	ug/ml#	97
25) 2,4-Dichlorophenol	5.405	162	43788	4.552	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	53081	4.560	ug/ml	96
38) Naphthalene	5.538	128	136778	4.451	ug/ml	99
39) Benzoic Acid	5.346	105	24373	3.831	ug/ml	92
40) 4-Chloroaniline	5.622	65	14569	4.314	ug/ml#	63
41) Hexachlorobutadiene	5.697	225	33536	4.646	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	36518	4.511	ug/ml	91
43) 2-Methylnaphthalene	6.216	142	96343	4.531	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	30554	4.519	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	29425	3.870	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	36634	4.577	ug/ml	98
47) 2,4,5-Trichlorophenol	6.536	196	39640	4.429	ug/ml	99
49) 2-Chloronaphthalene	6.676	162	103138	4.332	ug/ml	93
50) 2-Nitroaniline	6.794	138	27096	4.447	ug/ml#	78
51) 1,4-Dinitrobenzene	6.928	168	11911	4.501	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	14057	4.435	ug/ml#	1
53) Dimethyl phthalate	7.005	163	122829	4.438	ug/ml#	98
54) Acenaphthylene	7.067	152	155180	4.438	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	23242	4.499	ug/ml#	79
56) 1,2-Dinitrobenzene	7.080	168	9499	5.134	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26098	4.705	ug/ml#	86
67) Acenaphthene	7.238	154	89205	4.270	ug/ml	87
68) 2,4-Dinitrophenol	7.291	184	13757	4.126	ug/ml#	80
69) Dibenzofuran	7.409	168	160445	4.454	ug/ml	90
70) 2,4-Dinitrotoluene	7.425	165	33658	4.841	ug/ml#	80
71) 4-Nitrophenol	7.394	65	19325	4.673	ug/ml#	28
72) 2,3,5,6-Tetrachlorophenol	7.506	232	35437	4.522	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.543	232	35578	4.631	ug/ml	98
74) Diethyl phthalate	7.689	149	123901	4.382	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluorene	7.736	166	122050	4.424	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	63042	4.434	ug/ml#	86
77) 4-Nitroaniline	7.773	138	26907	5.018	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.810	198	19382	4.612	ug/ml#	59
79) NDPA/DPA	7.879	169	105614	4.400	ug/ml	93
80) Azobenzene	7.910	77	105841	4.602	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	40811	4.357	ug/ml#	79
83) Hexachlorobenzene	8.267	284	49668	4.213	ug/ml#	80
84) Pentachlorophenol	8.463	266	29051	4.546	ug/ml	99
91) Phenanthrene	8.646	178	199979	4.414	ug/ml	99
92) Anthracene	8.693	178	203231	4.574	ug/ml	99
93) Carbazole	8.867	167	188138	4.614	ug/ml	98
94) Di-n-butylphthalate	9.271	149	214371	4.637	ug/ml#	98
95) Fluoranthene	9.781	202	246949	4.533	ug/ml#	91
96) Benzidine	9.946	184	136878	4.630	ug/ml#	95
97) Pyrene	9.989	202	272087	4.674	ug/ml	99
99) Butyl benzyl phthalate	10.707	149	94148	4.755	ug/ml#	83
107) Benzo(a)anthracene	11.183	228	267033	4.445	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.195	252	106445	4.756	ug/ml#	95
109) Chrysene	11.217	228	263085	4.399	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.335	149	152756	4.744	ug/ml#	89
111) Di-n-octylphthalate	11.994	149	254994	4.747	ug/ml#	72
112) Benzo(b)fluoranthene	12.252	252	282392	4.487	ug/ml#	94
113) Benzo(k)fluoranthene	12.280	252	288769	4.709	ug/ml#	93
114) Benzo(a)pyrene	12.553	252	262323	4.671	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.545	276	292191	4.576	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.570	278	293099	4.671	ug/ml#	89
118) Benzo(ghi)perylene	13.753	276	274527	4.451	ug/ml#	86

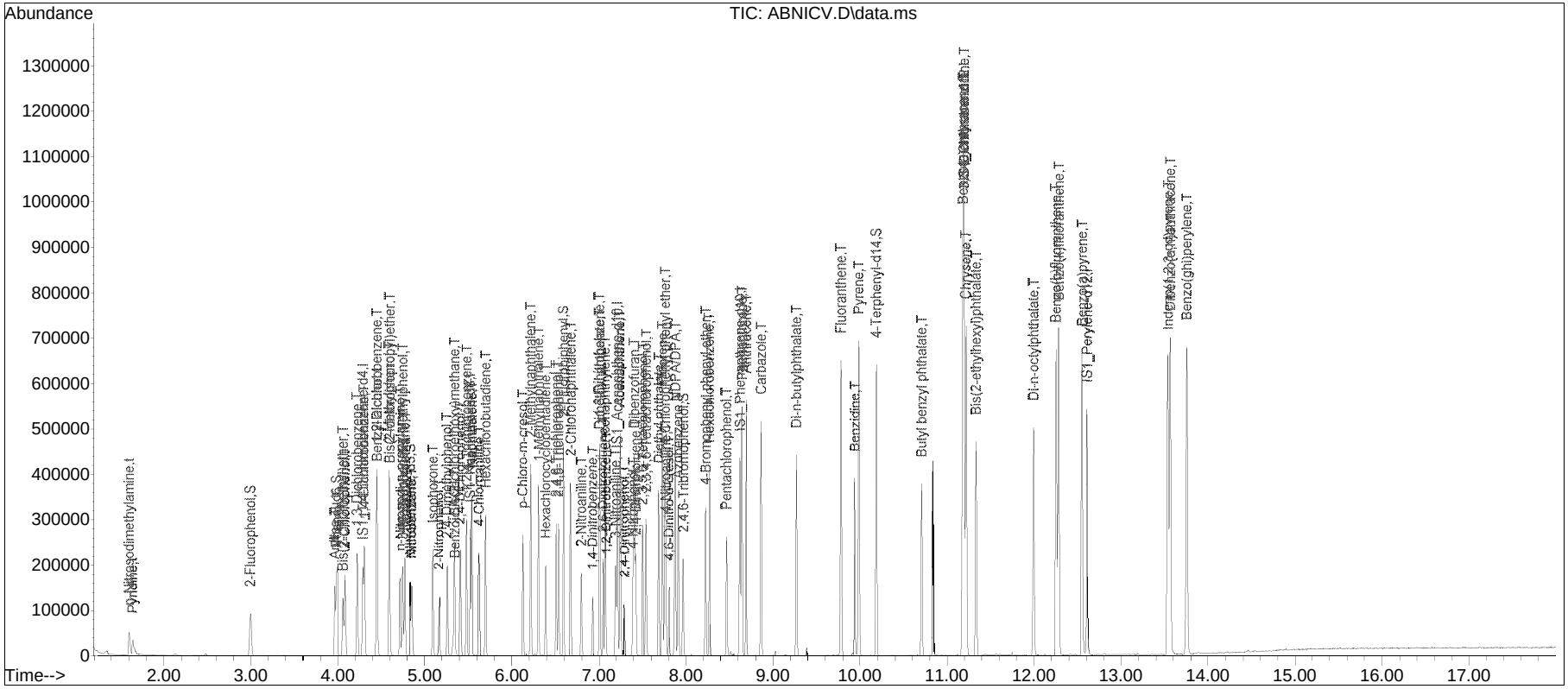
(#) = qualifier out of range (m) = manual integration (+) = signals summed

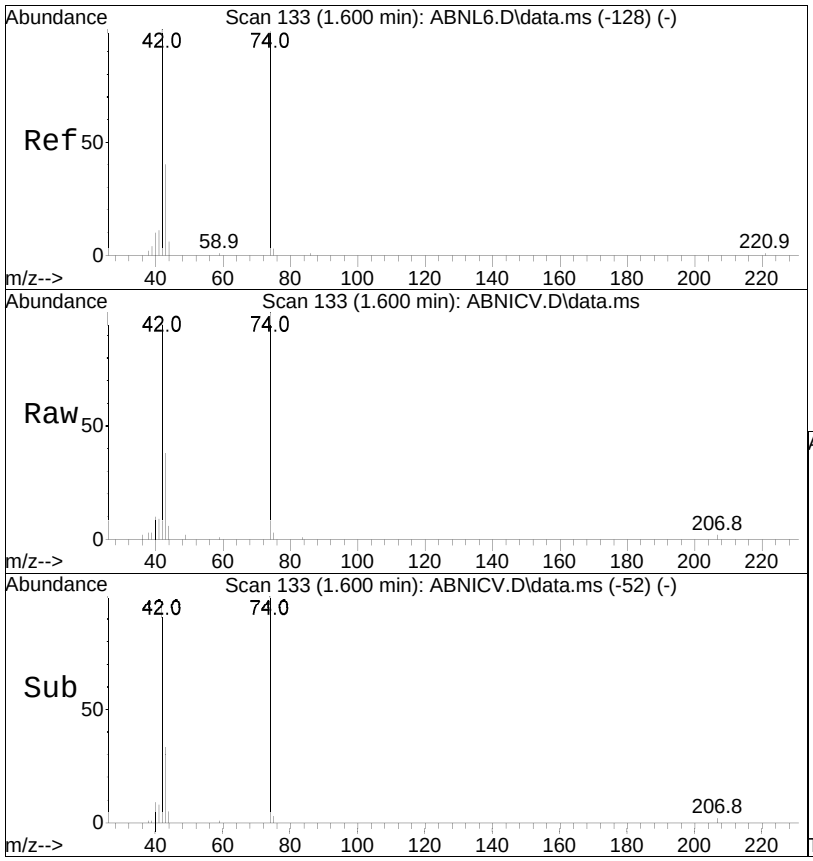
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ADPL7.D•

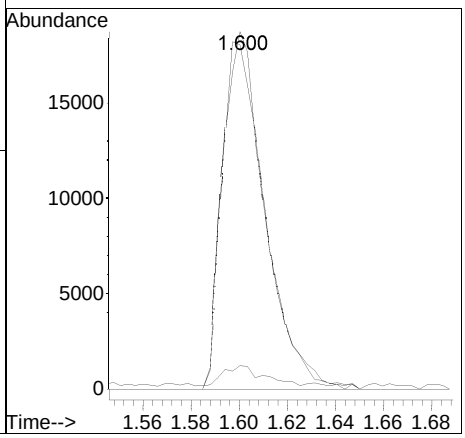


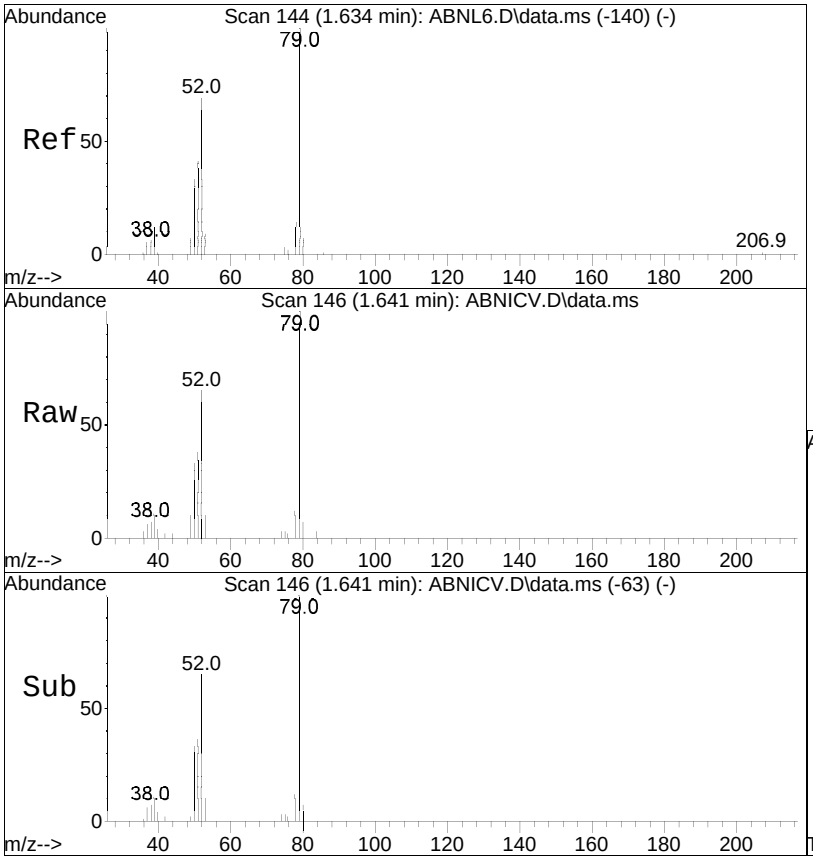


#2
n-Nitrosodimethylamine
Concen: 4.80 ug/ml
RT: 1.600 min Scan# 133
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 74 Resp: 22641

Ion	Ratio	Lower	Upper
74	100		
42	99.8	100.0	150.0#
44	5.3	6.7	10.1#

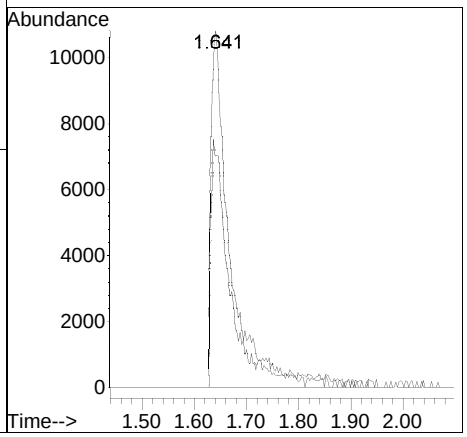


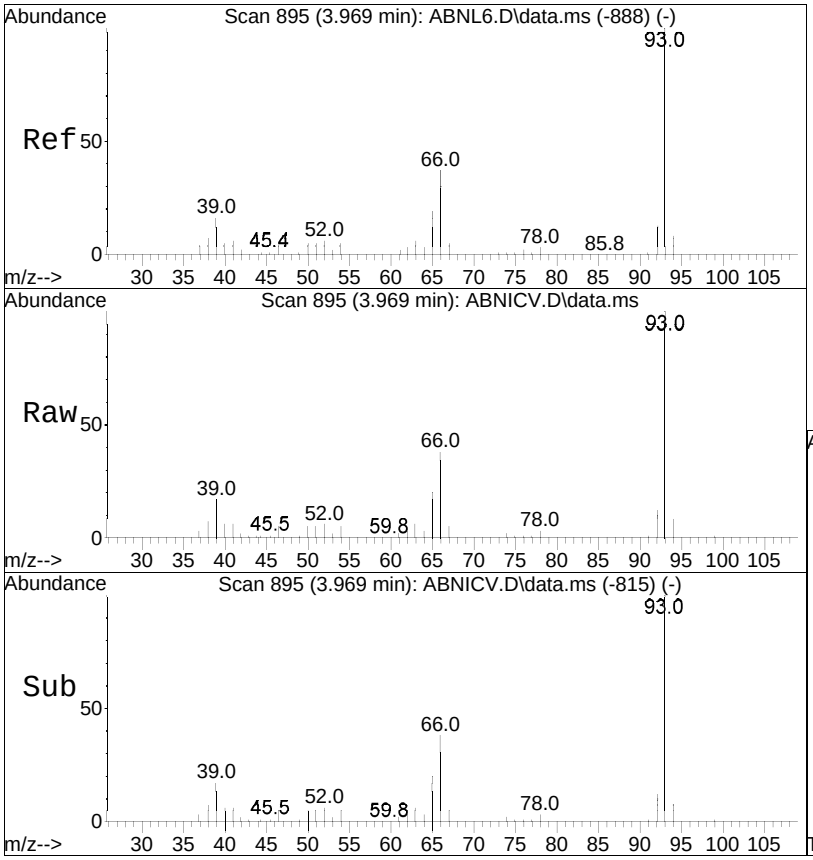


#3
Pyridine
Concen: 3.97 ug/ml M1
RT: 1.641 min Scan# 146
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 28316

Ion	Ratio	Lower	Upper
79	100		
52	57.6	93.1	139.7#

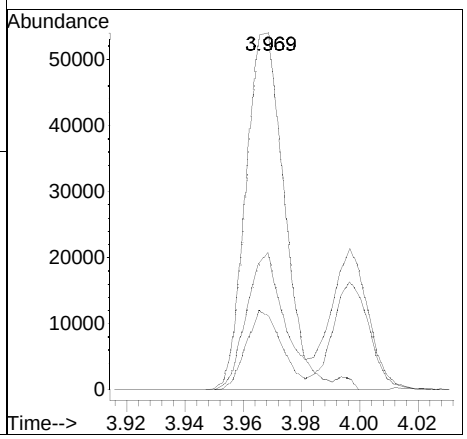


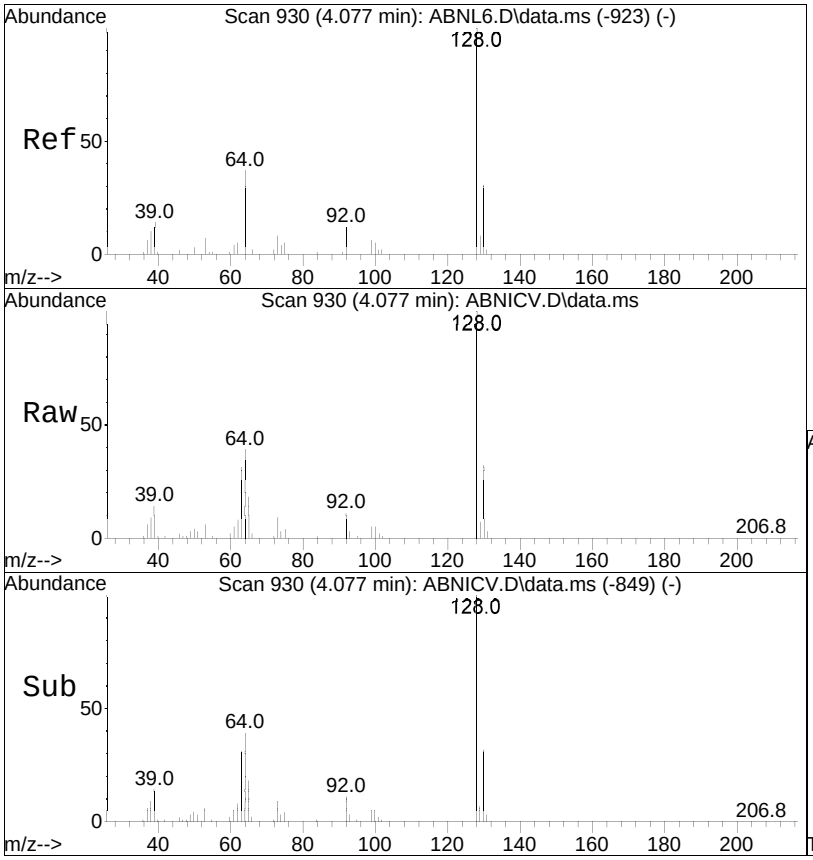


#5
Aniline
Concen: 4.27 ug/ml
RT: 3.969 min Scan# 895
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 50034

Ion	Ratio	Lower	Upper
93	100		
66	37.2	32.6	49.0
65	20.8	17.6	26.4

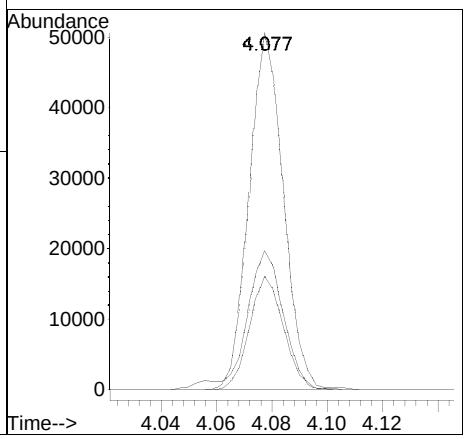


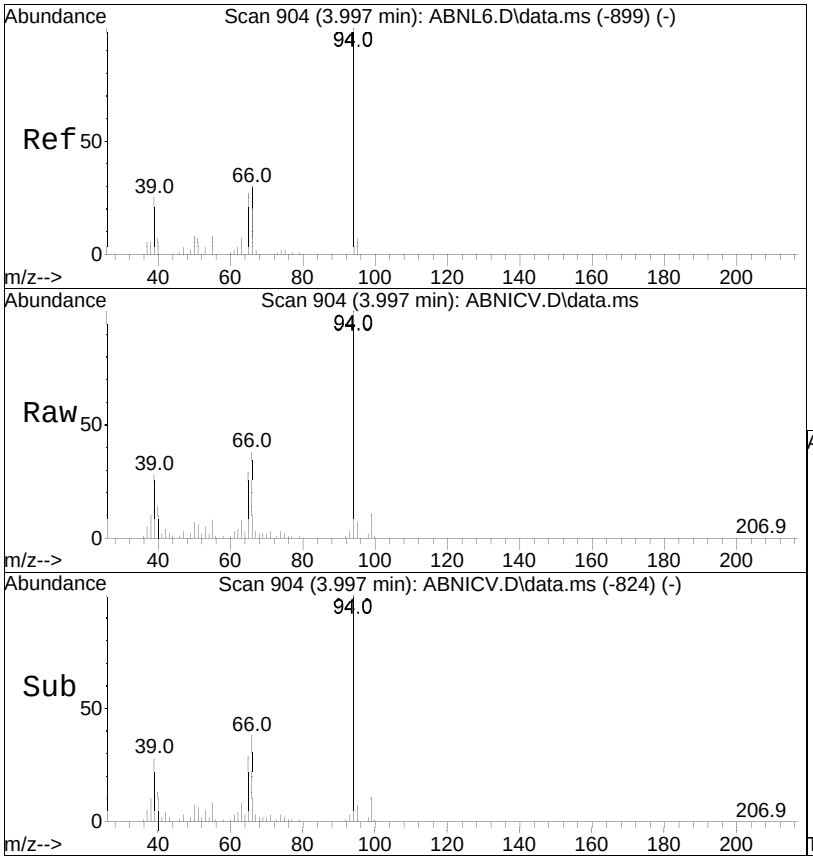


#6
2-Chlorophenol
Concen: 4.73 ug/ml
RT: 4.077 min Scan# 930
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 43409

Ion	Ratio	Lower	Upper
128	100		
64	42.2	45.1	67.7#
130	31.8	26.2	39.4

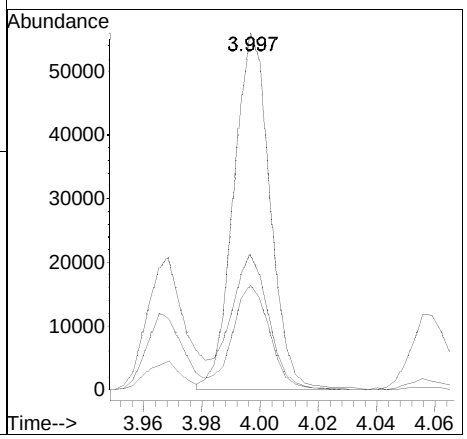


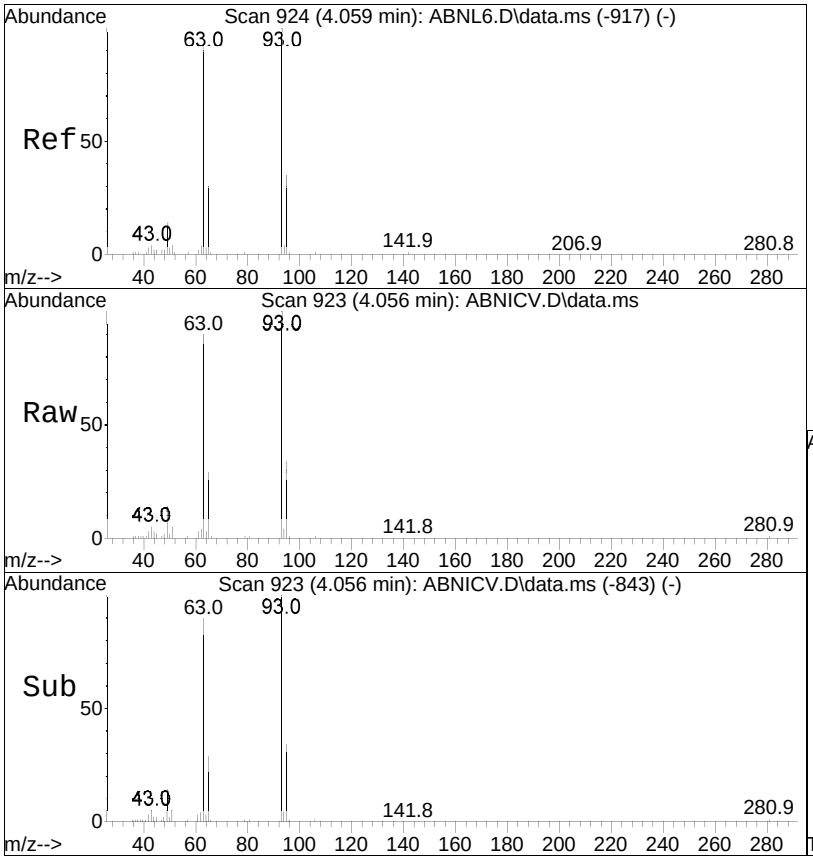


#8
Phenol
Concen: 4.56 ug/ml
RT: 3.997 min Scan# 904
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 94 Resp: 48485

Ion	Ratio	Lower	Upper
94	100		
65	30.1	26.0	39.0
66	40.2	33.8	50.8

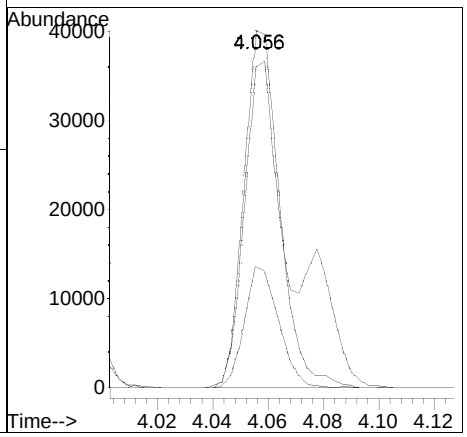


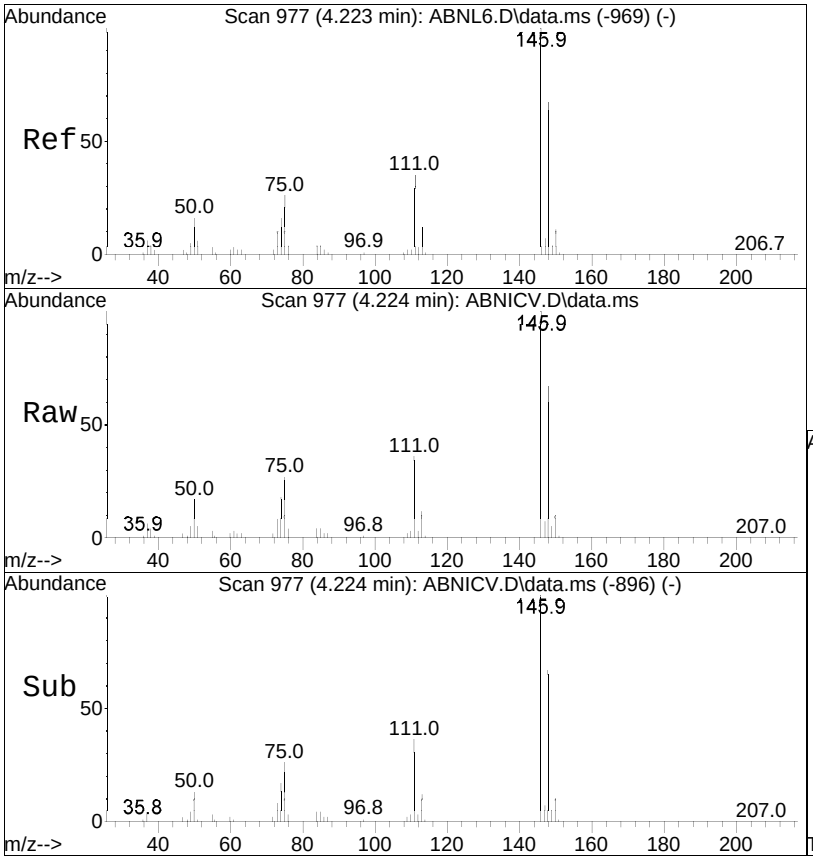


#9
Bis(2-chloroethyl)ether
Concen: 4.73 ug/ml
RT: 4.056 min Scan# 923
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 36003

Ion	Ratio	Lower	Upper
93	100		
63	91.9	74.6	111.8
95	32.5	25.9	38.9

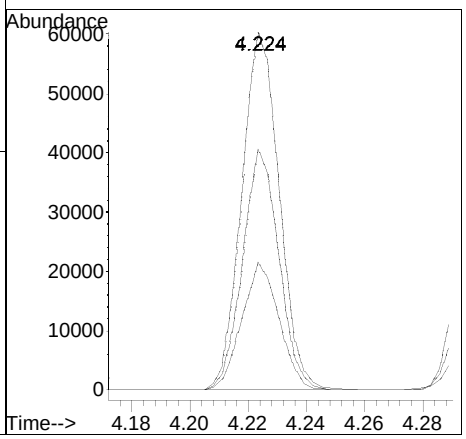


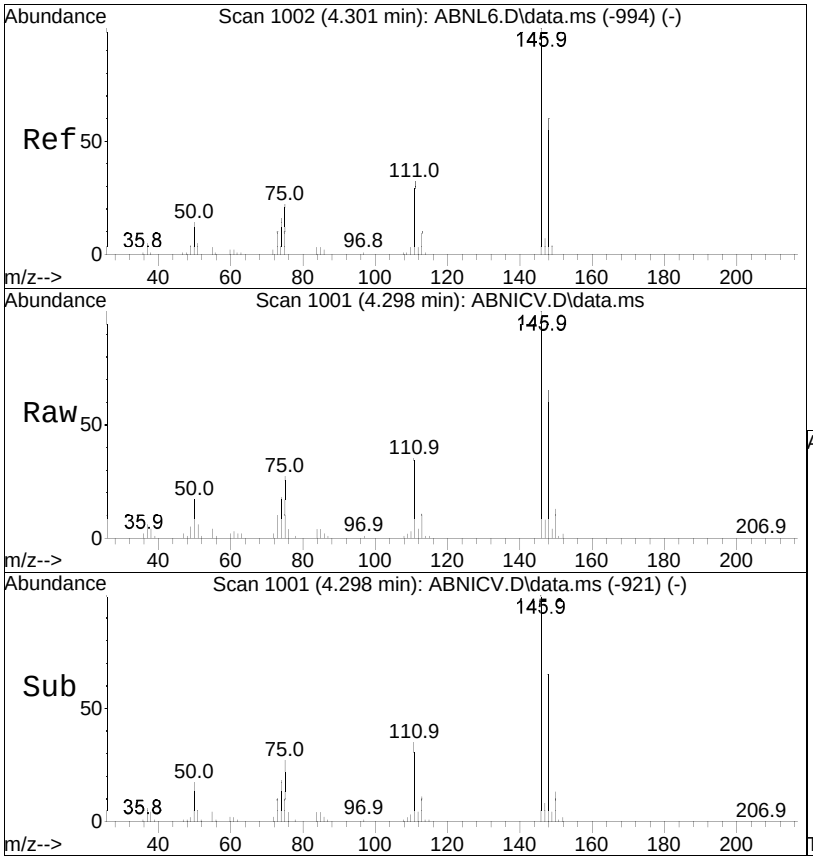


#10
1,3-Dichlorobenzene
Concen: 4.53 ug/ml
RT: 4.224 min Scan# 977
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 53479

Ion	Ratio	Lower	Upper
146	100		
111	35.5	34.3	51.5
148	65.0	50.8	76.2

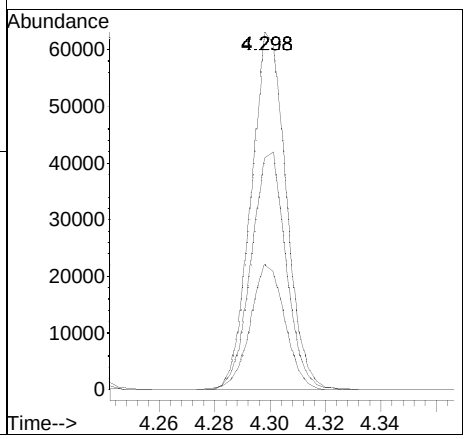


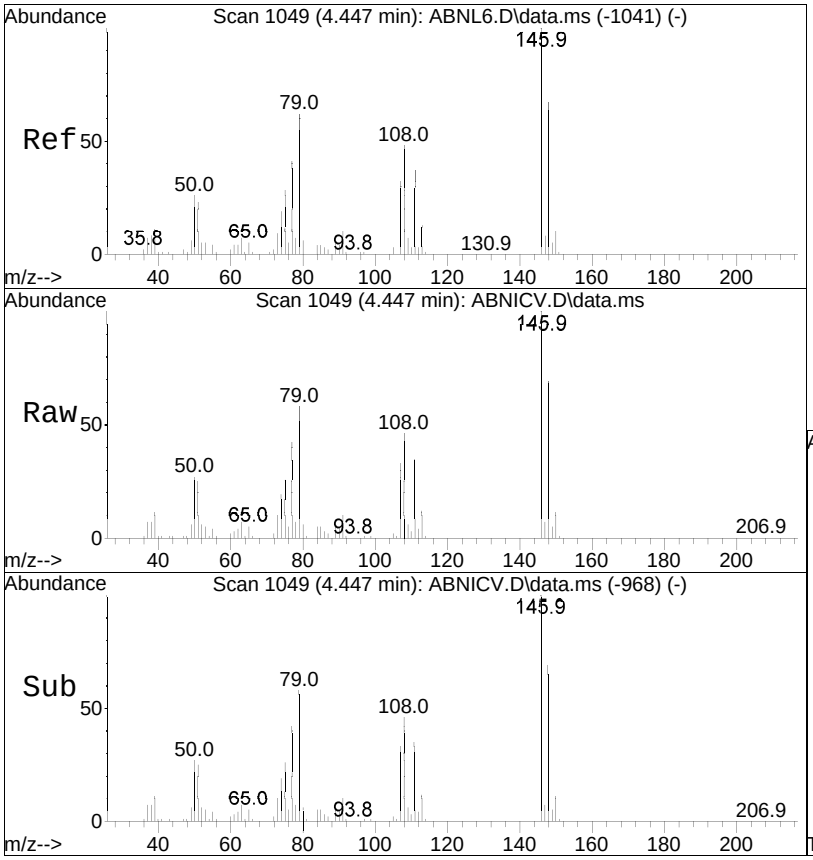


#11
1,4-Dichlorobenzene
Concen: 4.58 ug/ml
RT: 4.298 min Scan# 1001
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 55162

Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.7	76.1
111	34.8	33.4	50.0

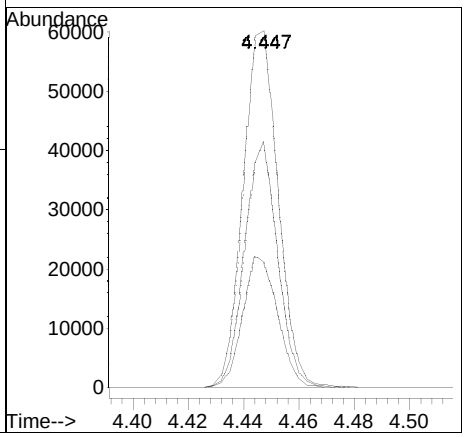


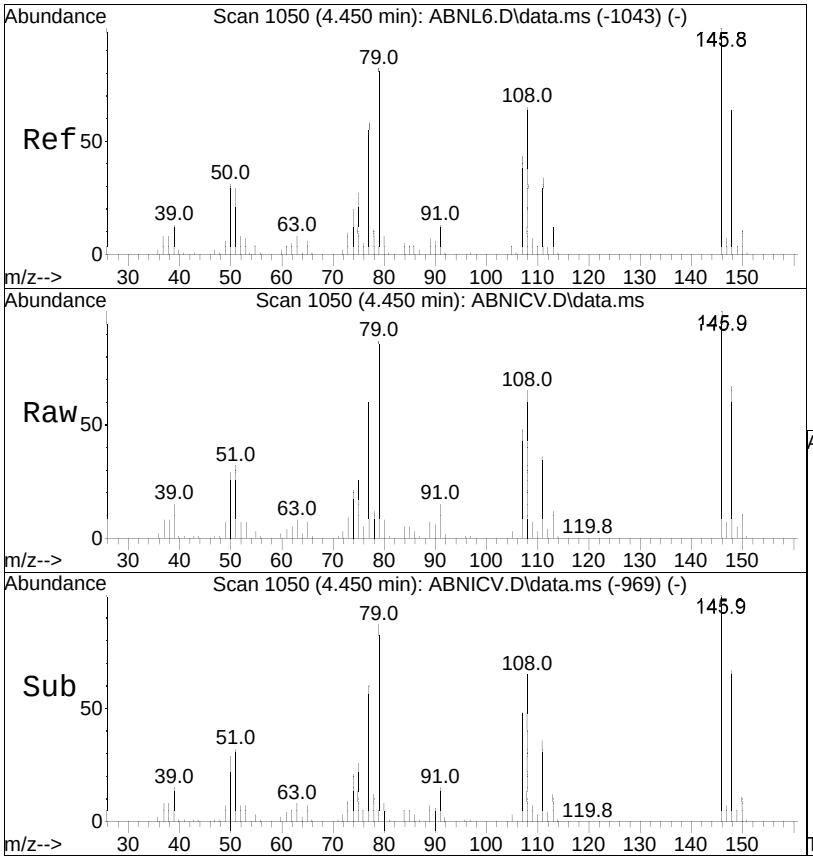


#12
1,2-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 4.447 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 52815

Ion	Ratio	Lower	Upper
146	100		
111	36.7	34.6	52.0
148	65.0	50.2	75.4

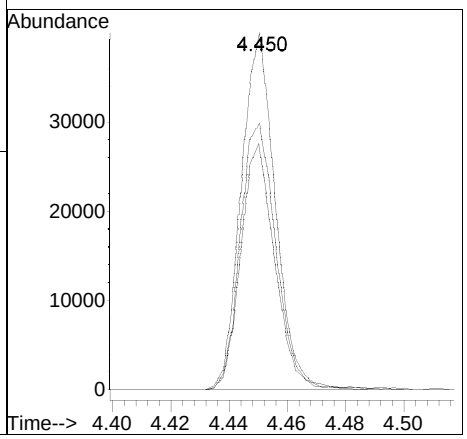


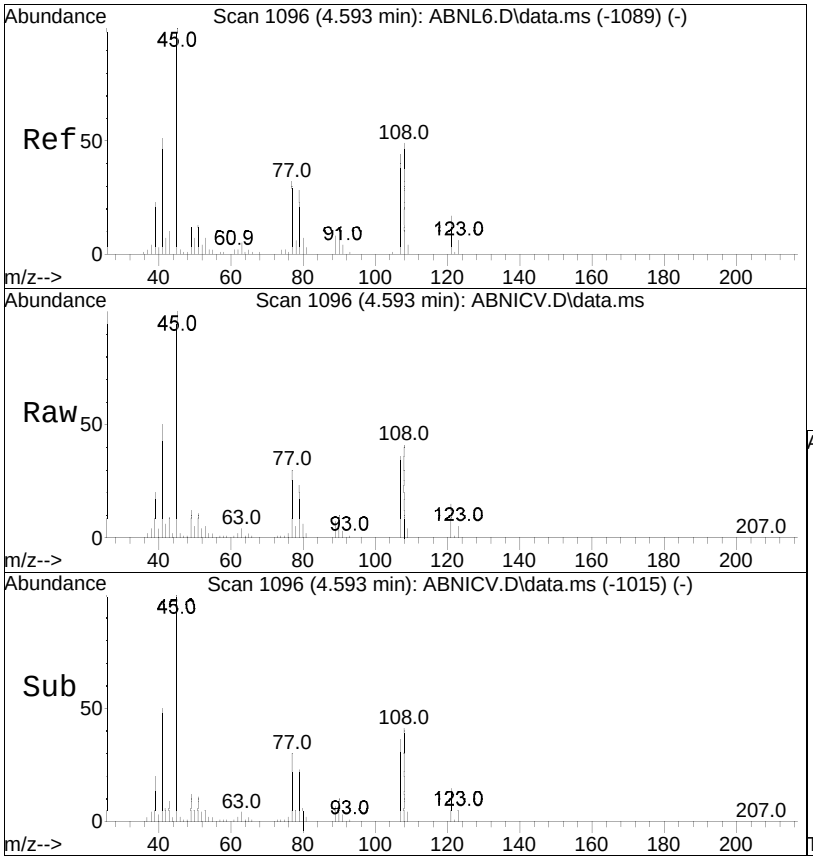


#13
Benzyl alcohol
Concen: 4.67 ug/ml
RT: 4.450 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 32533

Ion	Ratio	Lower	Upper
79	100		
77	69.3	54.9	82.3
108	77.6	63.1	94.7

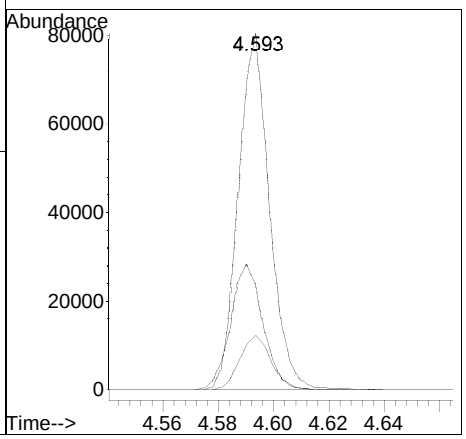


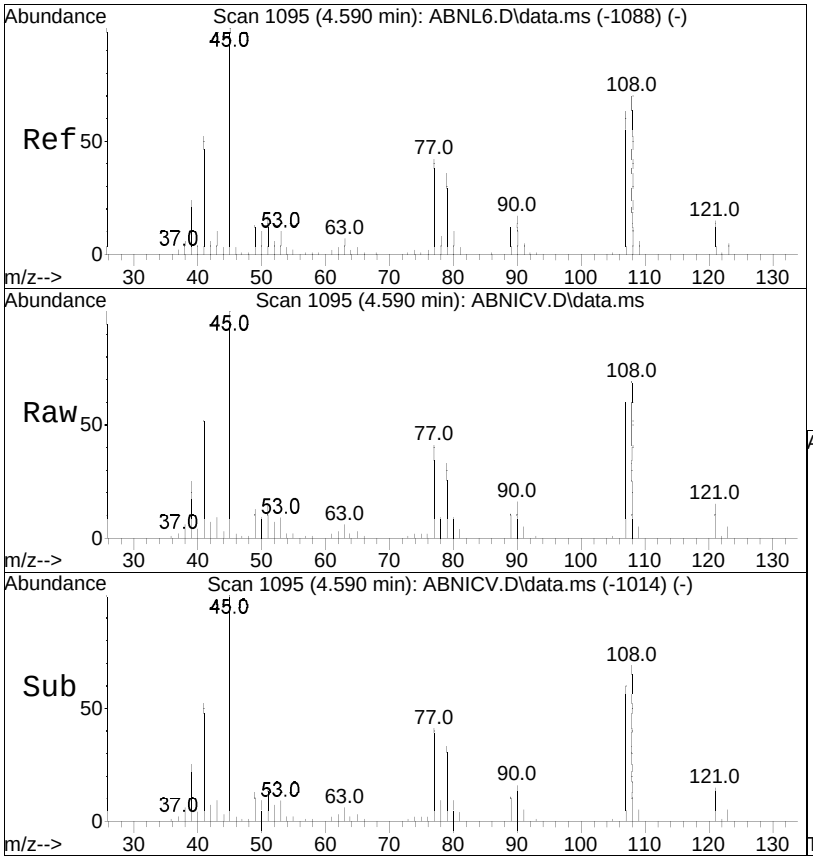


#14
Bis(2-chloroisopropyl)ether
Concen: 4.66 ug/ml
RT: 4.593 min Scan# 1096
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 45 Resp: 62522

Ion	Ratio	Lower	Upper
45	100		
121	15.5	9.8	14.6#
77	36.9	6.1	9.1#

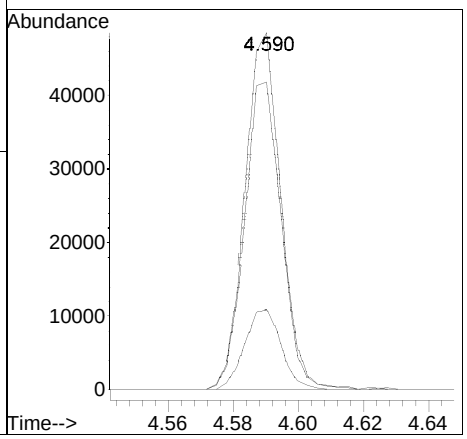


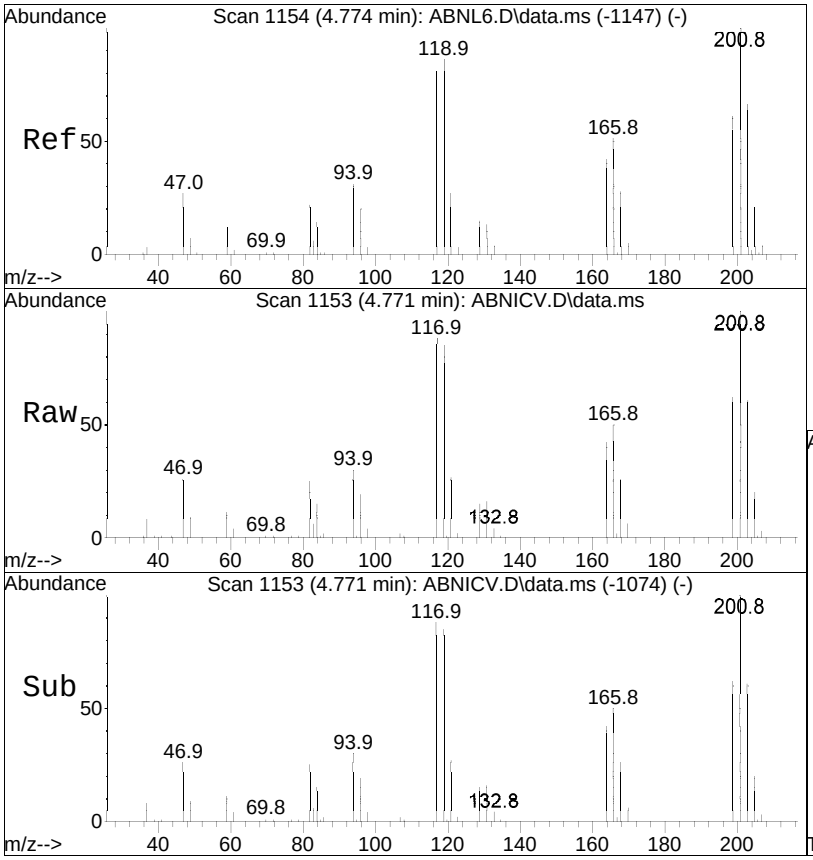


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 4.590 min Scan# 1095
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 37053

Ion	Ratio	Lower	Upper
108	100		
107	88.3	70.7	106.1
90	22.9	18.7	28.1

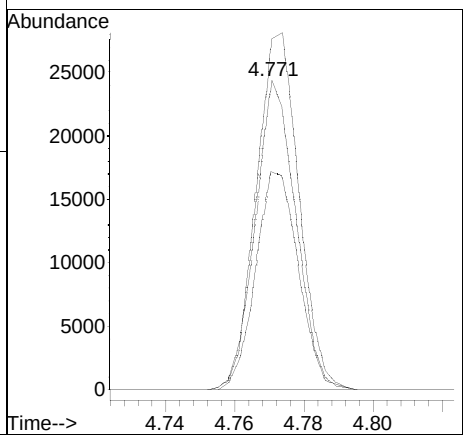


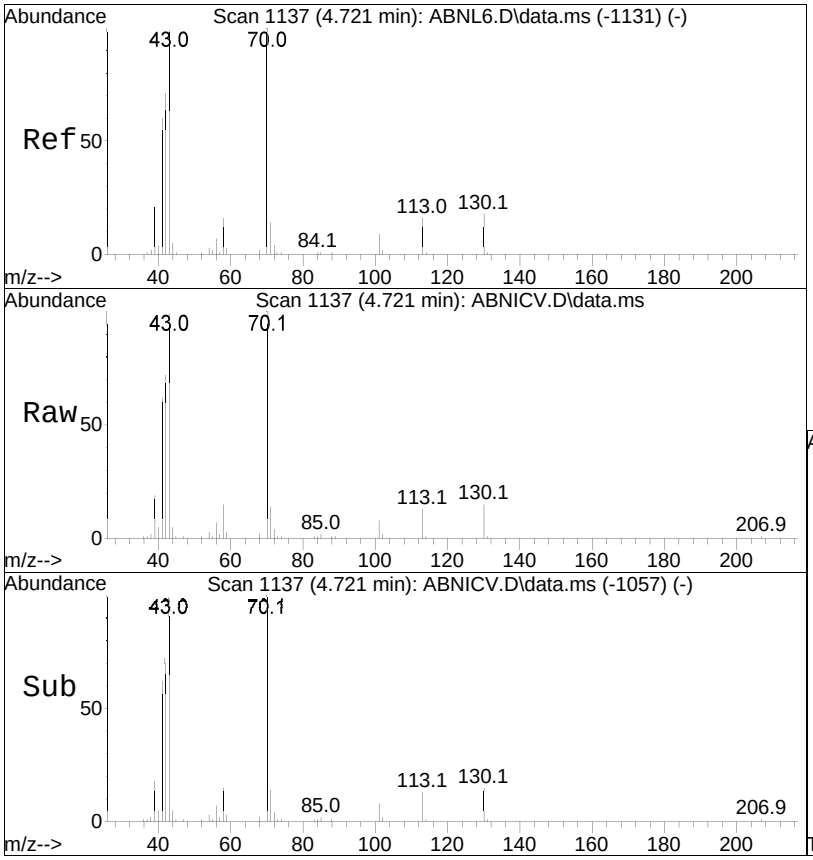


#16
Hexachloroethane
Concen: 4.49 ug/ml
RT: 4.771 min Scan# 1153
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:117 Resp: 19810

Ion	Ratio	Lower	Upper
117	100		
201	121.1	58.6	87.8#
199	74.6	36.9	55.3#

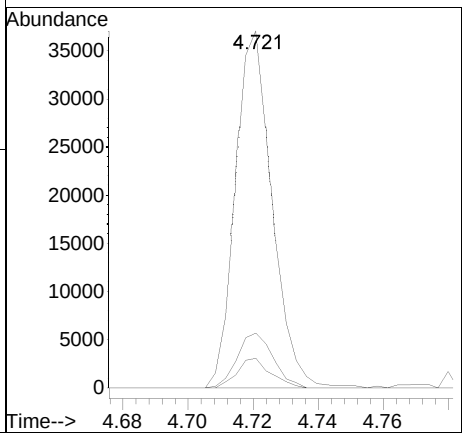


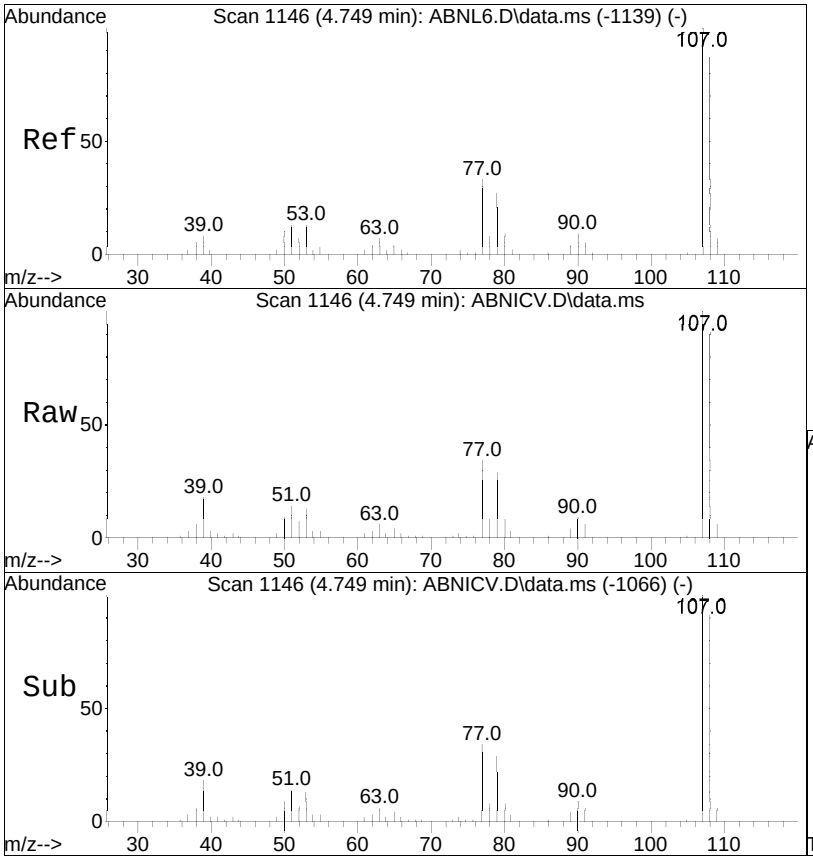


#17
n-Nitrosodi-n-propylamine
Concen: 4.48 ug/ml
RT: 4.721 min Scan# 1137
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 70 Resp: 28948

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	7.5	7.8	11.8#

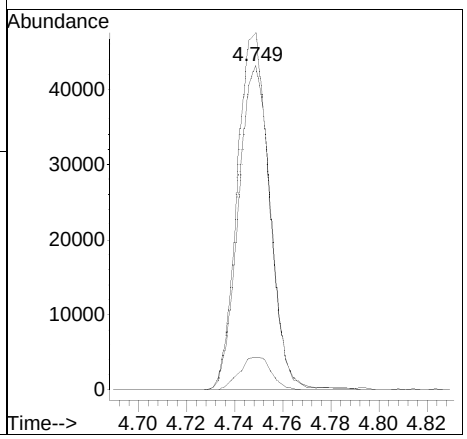


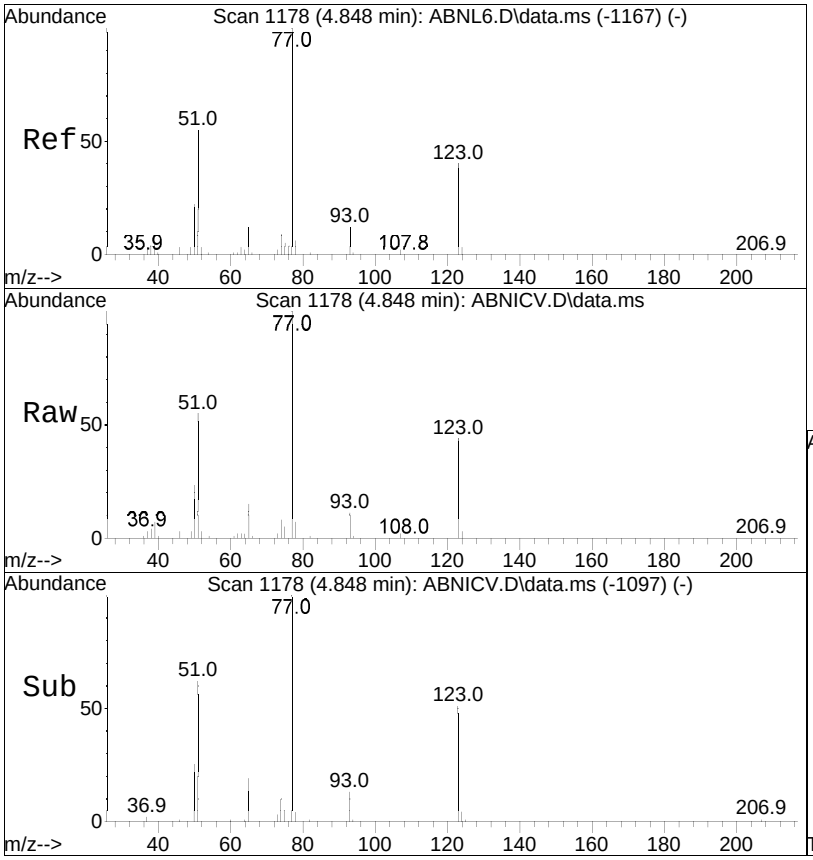


#18
3-Methylphenol/4-Methylphenol
Concen: 4.49 ug/ml
RT: 4.749 min Scan# 1146
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 39726

Ion	Ratio	Lower	Upper
108	100		
107	110.8	88.6	132.8
90	10.1	8.8	13.2

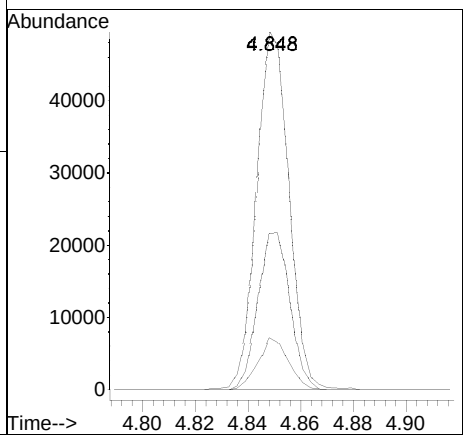


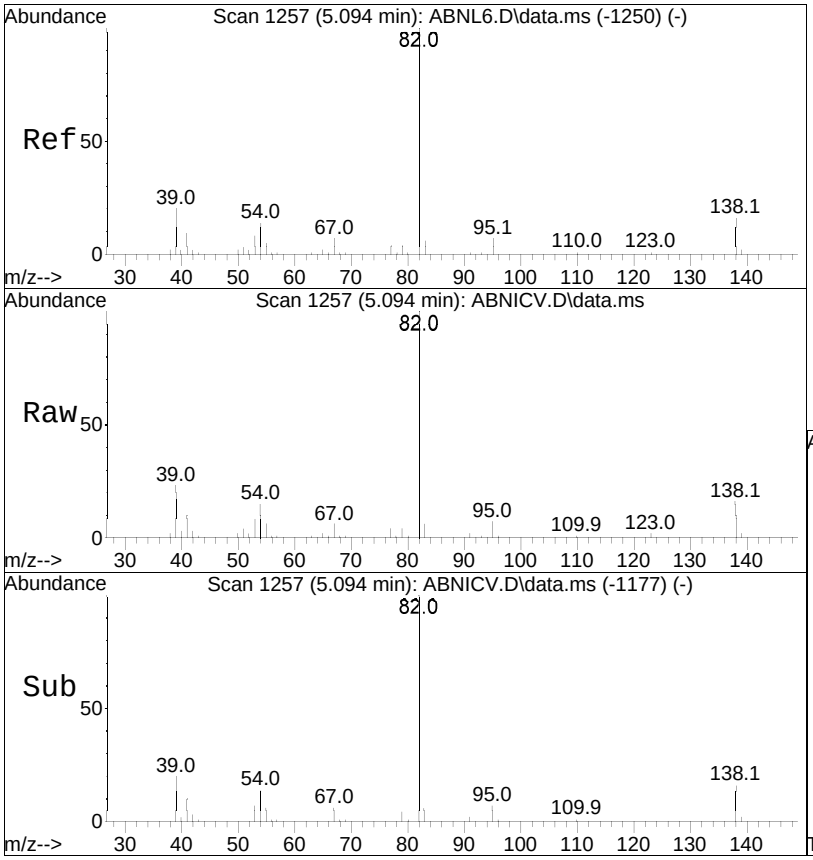


#20
Nitrobenzene
Concen: 4.59 ug/ml
RT: 4.848 min Scan# 1178
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 42031

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.3	54.5
65	13.7	11.6	17.4

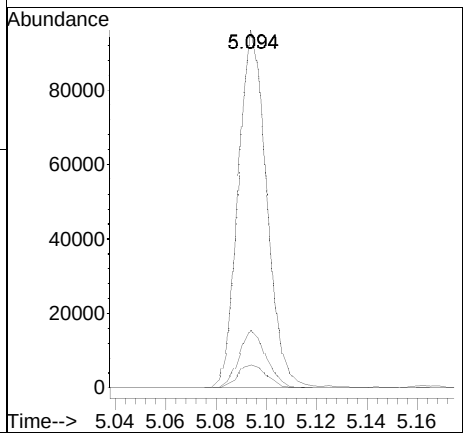


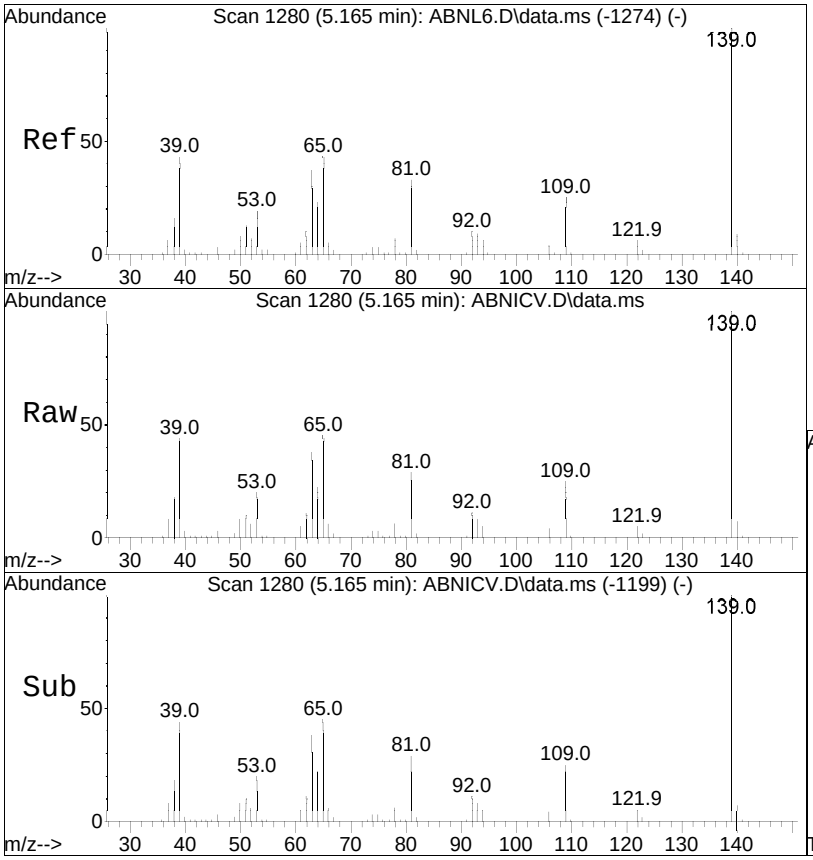


#21
Isophorone
Concen: 4.48 ug/ml
RT: 5.094 min Scan# 1257
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 82 Resp: 75307

Ion	Ratio	Lower	Upper
82	100		
138	15.4	14.7	22.1
95	6.7	5.2	7.8

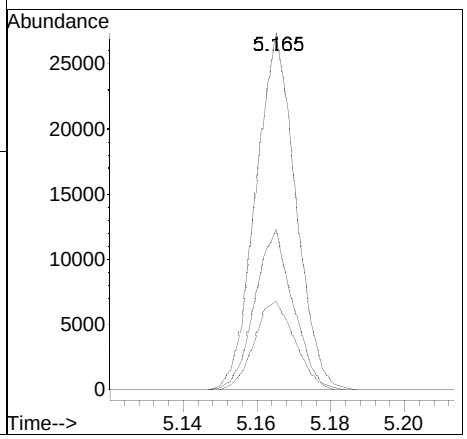


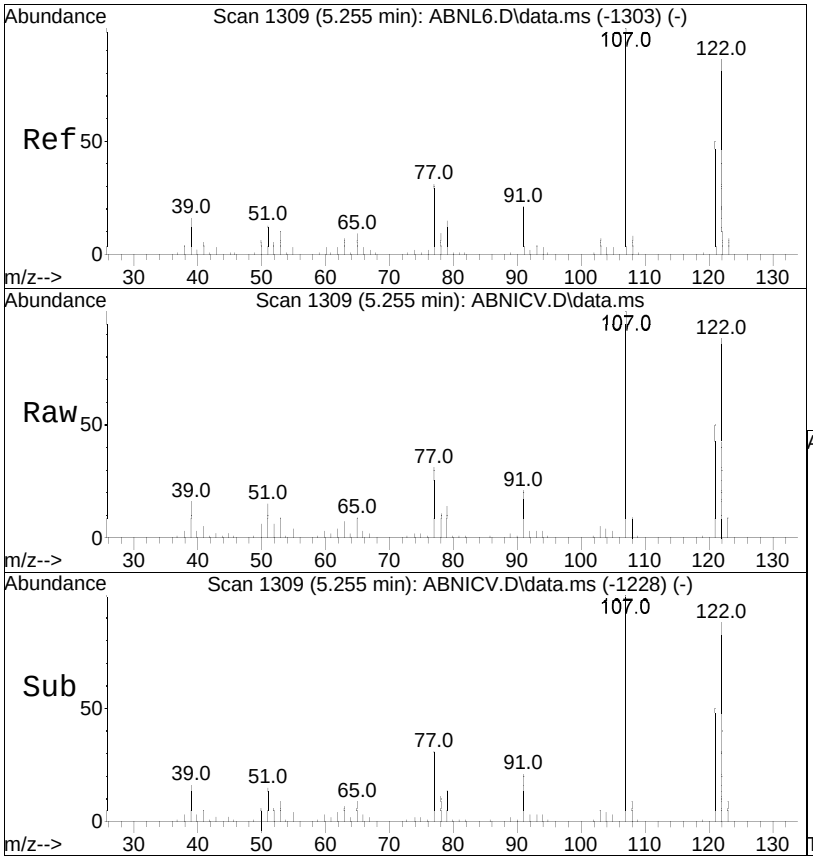


#22
2-Nitrophenol
Concen: 4.42 ug/ml
RT: 5.165 min Scan# 1280
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:139 Resp: 20467

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.4	29.0
65	43.3	46.1	69.1#

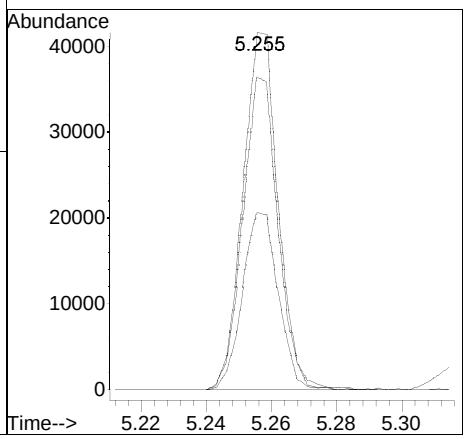


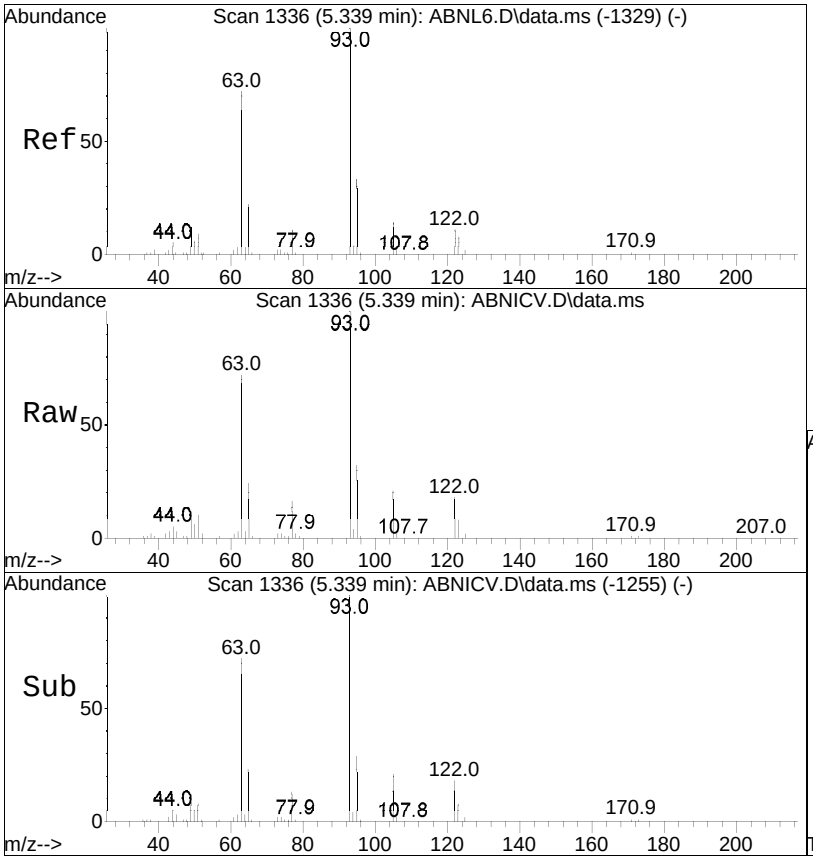


#23
2,4-Dimethylphenol
Concen: 3.79 ug/ml
RT: 5.255 min Scan# 1309
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 31220

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	87.0	70.2	105.4

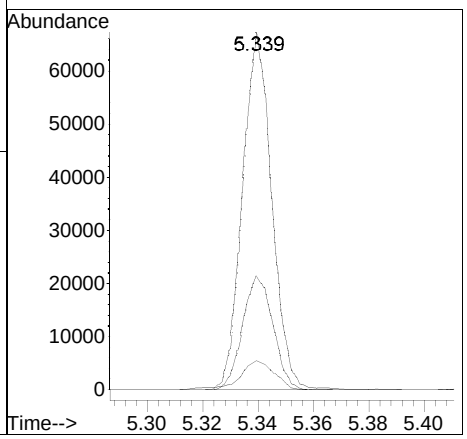


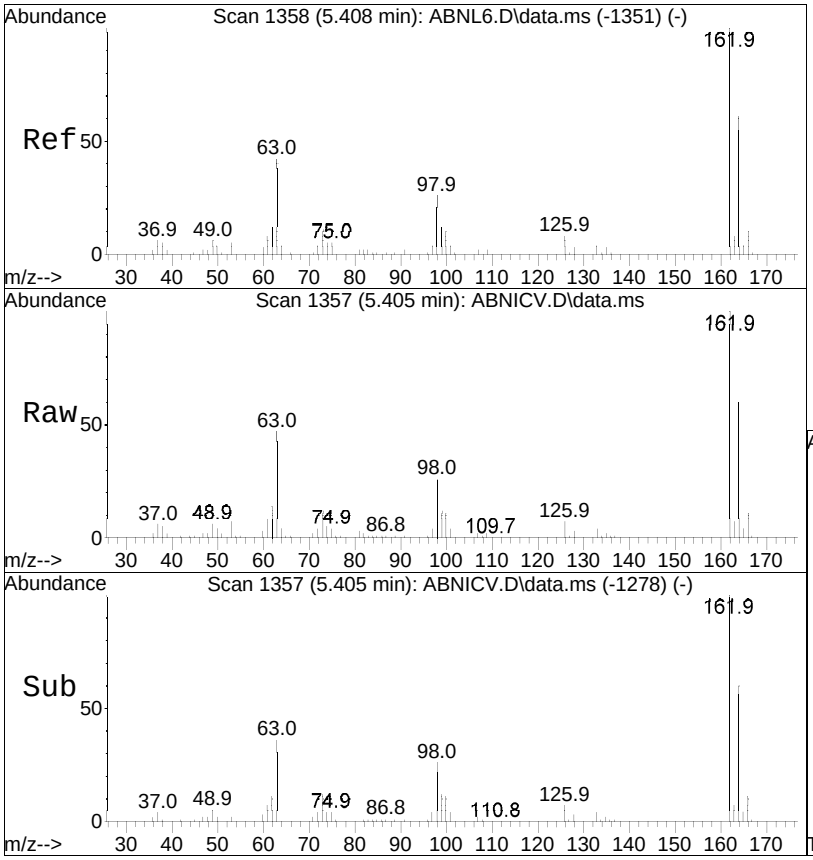


#24
Bis(2-chloroethoxy)methane
Concen: 4.69 ug/ml
RT: 5.339 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 49166

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	9.9	10.1	15.1#

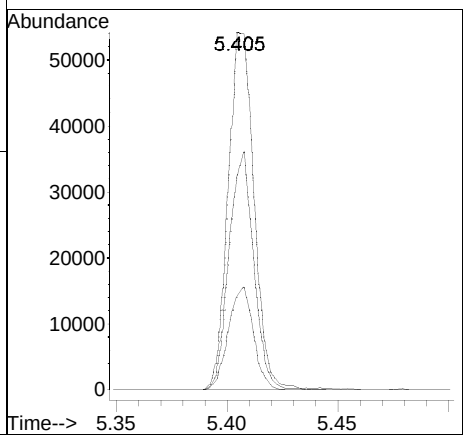


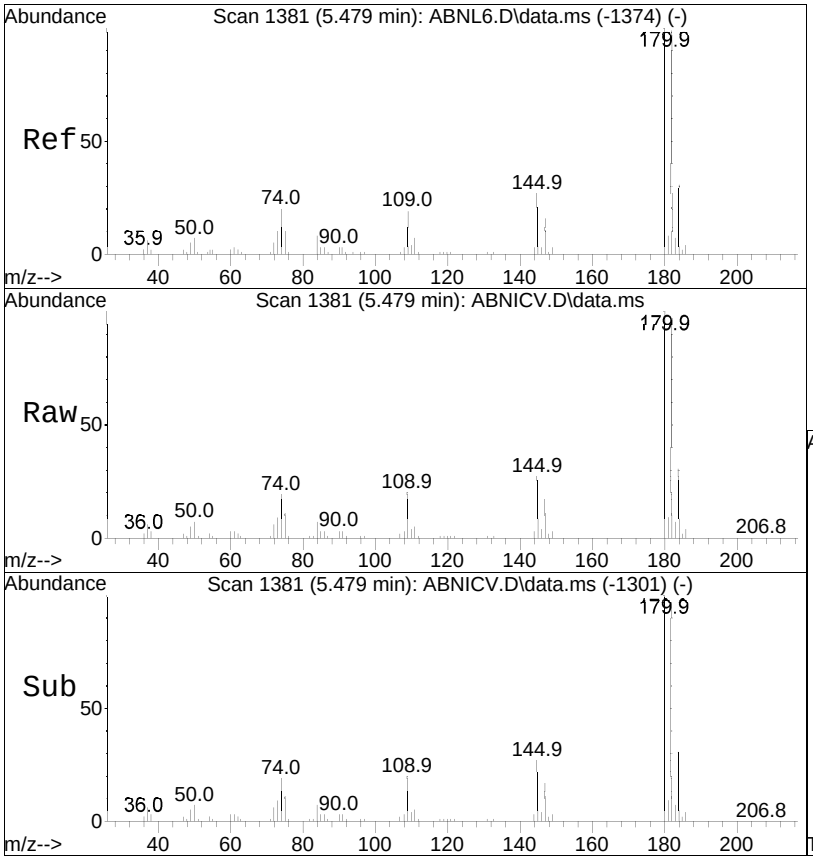


#25
2,4-Dichlorophenol
Concen: 4.55 ug/ml
RT: 5.405 min Scan# 1357
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 43788

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.0	76.4
98	27.9	32.2	48.2#

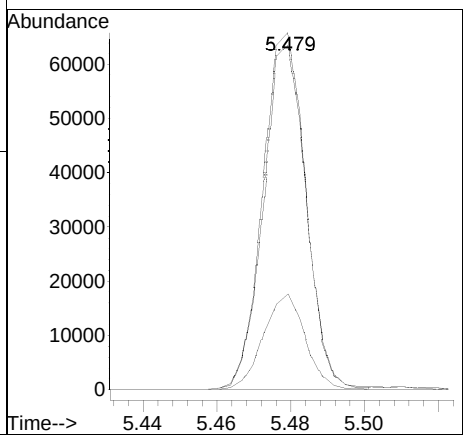


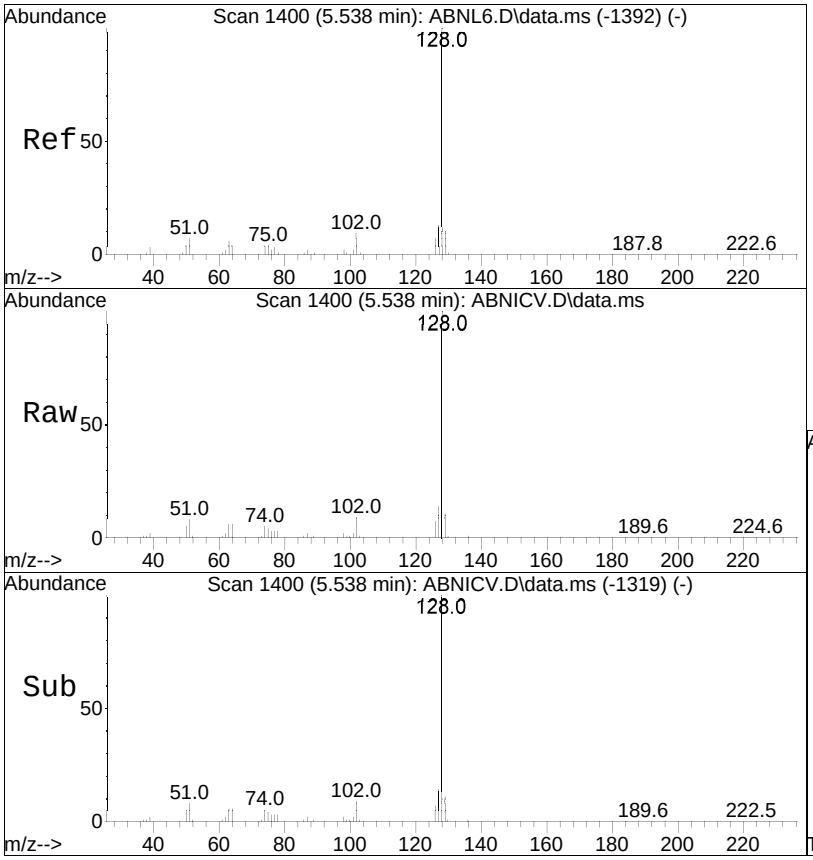


#26
1,2,4-Trichlorobenzene
Concen: 4.56 ug/ml
RT: 5.479 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:180 Resp: 53081

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	26.1	25.7	38.5

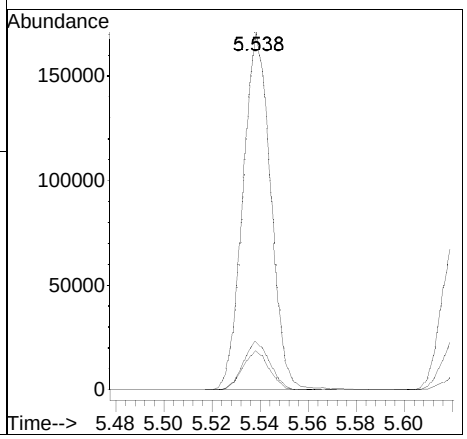


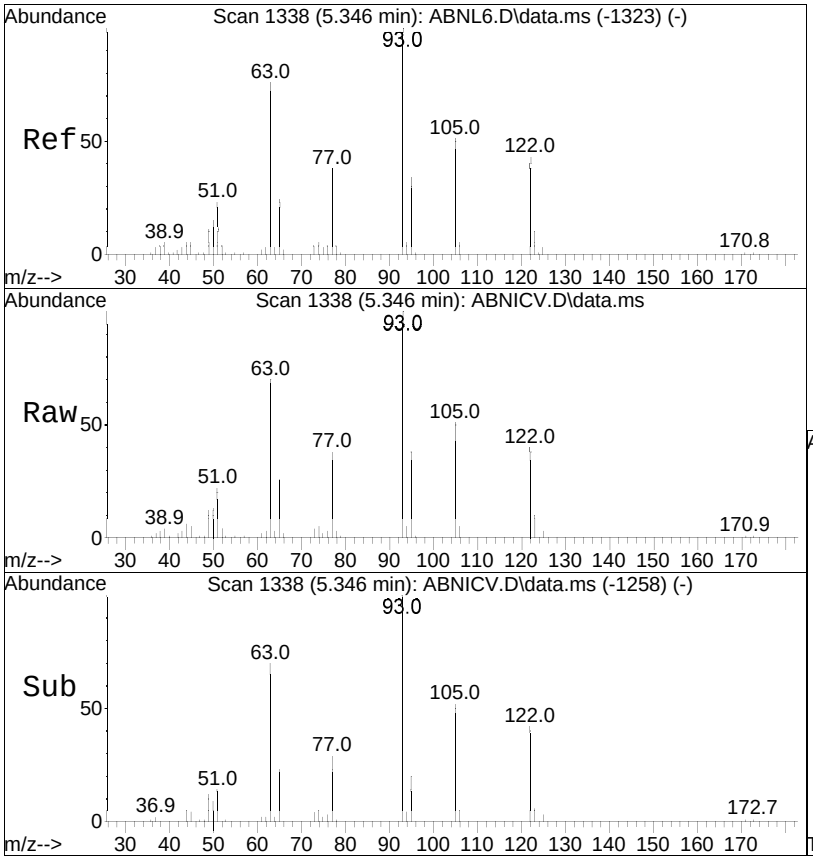


#38
Naphthalene
Concen: 4.45 ug/ml
RT: 5.538 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 136778

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.2	10.3	15.5

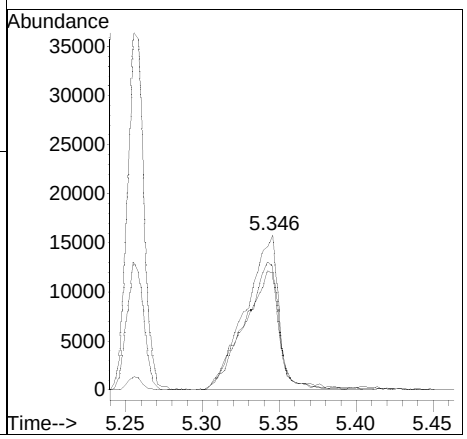


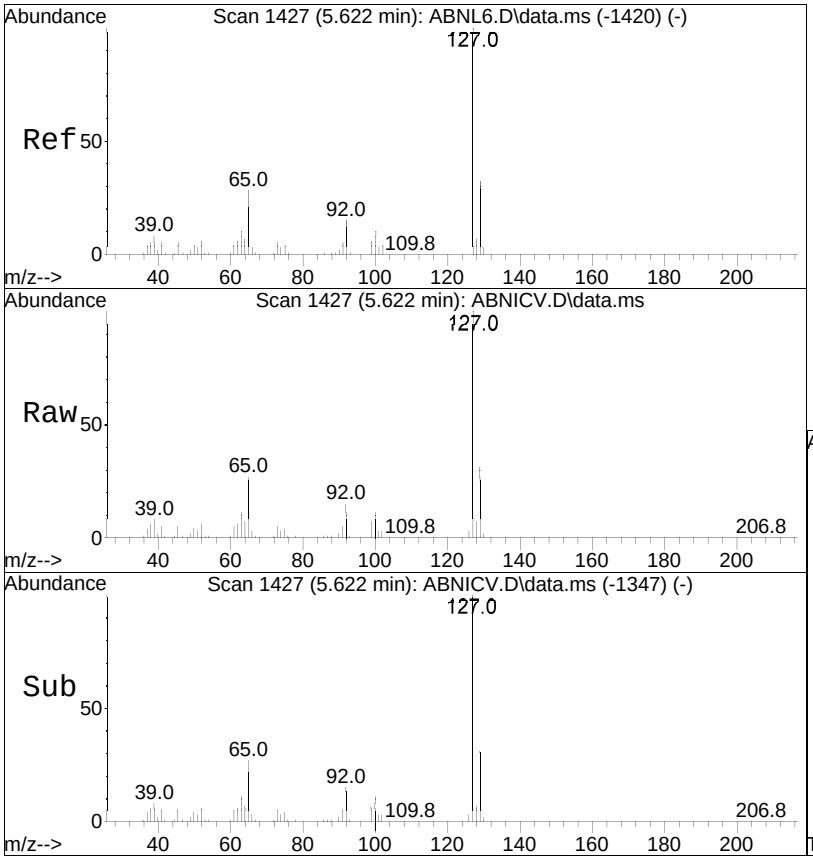


#39
Benzoic Acid
Concen: 3.83 ug/ml
RT: 5.346 min Scan# 1338
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:105 Resp: 24373

Ion	Ratio	Lower	Upper
105	100		
122	85.1	59.9	89.9
77	78.7	60.1	90.1

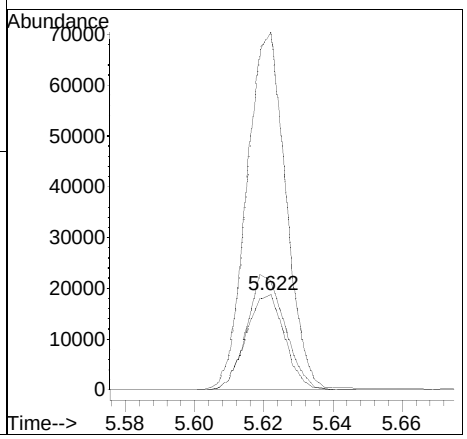


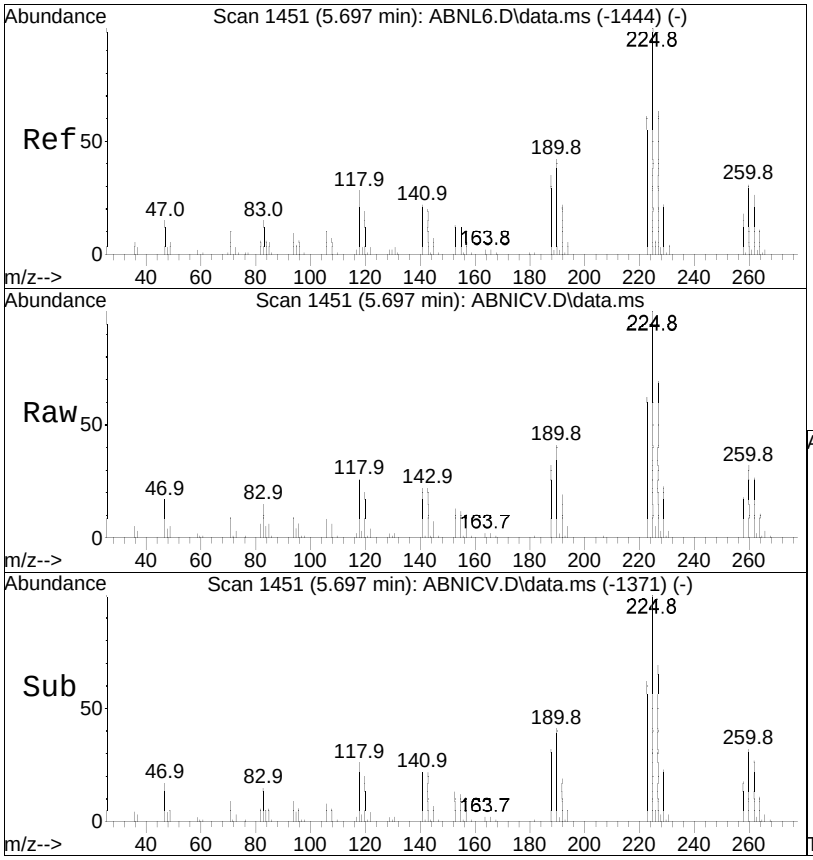


#40
4-Chloroaniline
Concen: 4.31 ug/ml
RT: 5.622 min Scan# 1427
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 14569

Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	118.8	76.3	114.5#

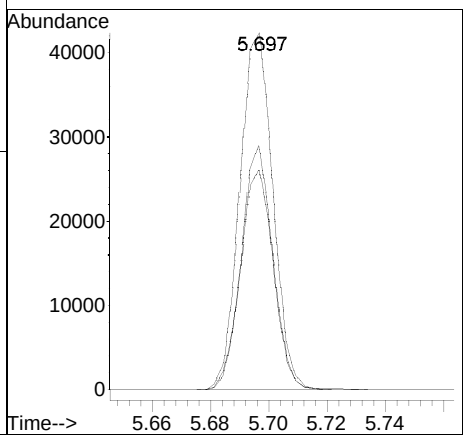


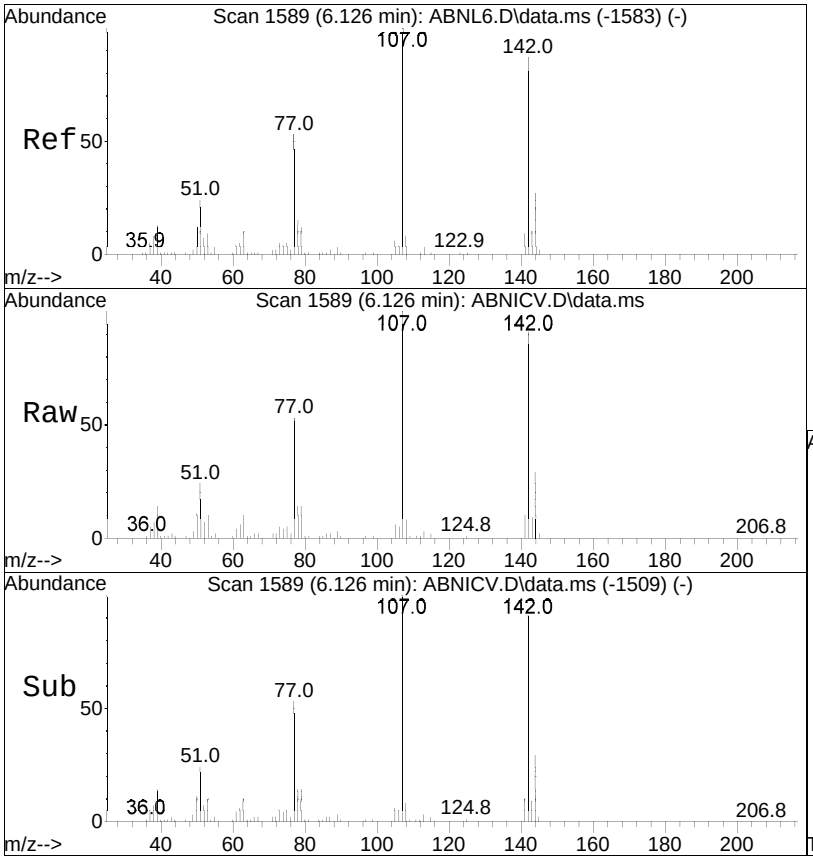


#41
Hexachlorobutadiene
Concen: 4.65 ug/ml
RT: 5.697 min Scan# 1451
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:225 Resp: 33536

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.3	75.5
227	65.3	52.2	78.2

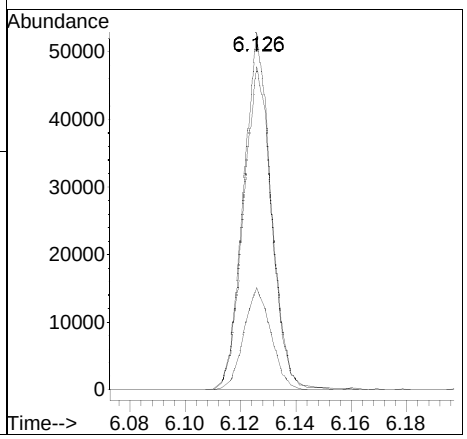


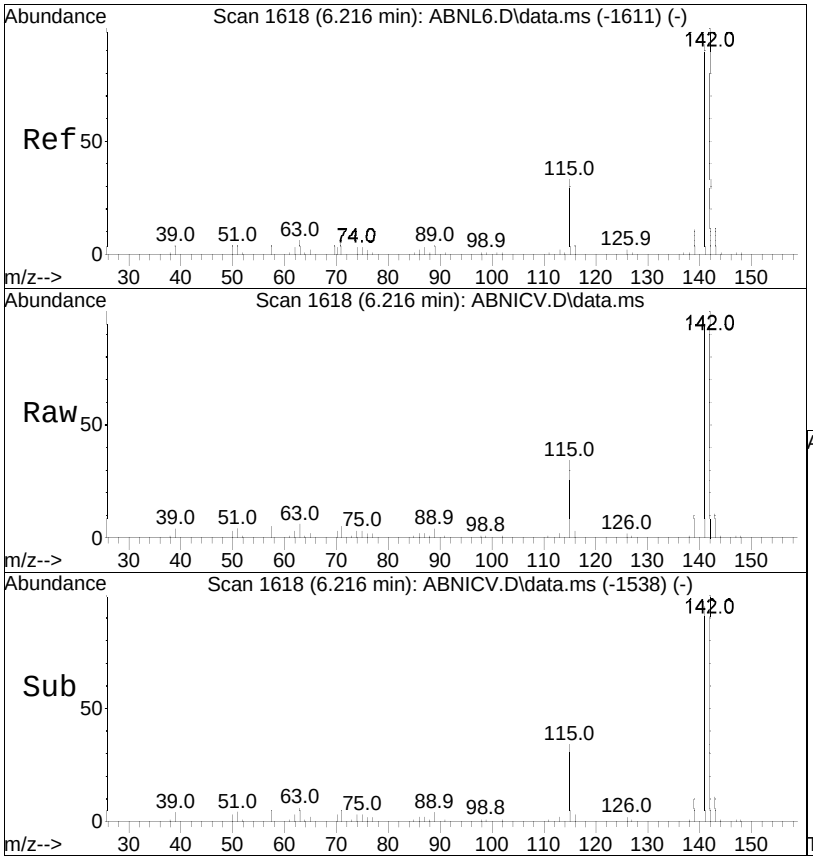


#42
p-Chloro-m-cresol
Concen: 4.51 ug/ml
RT: 6.126 min Scan# 1589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 36518

Ion	Ratio	Lower	Upper
107	100		
144	28.1	20.9	31.3
142	92.2	66.1	99.1

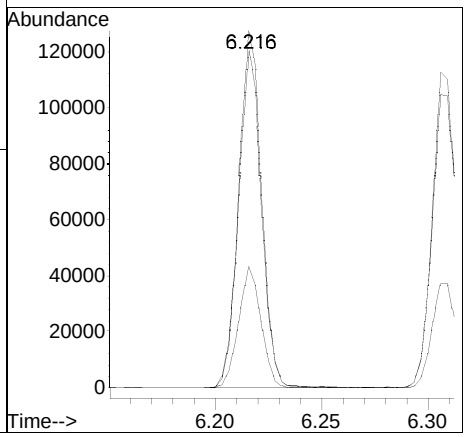


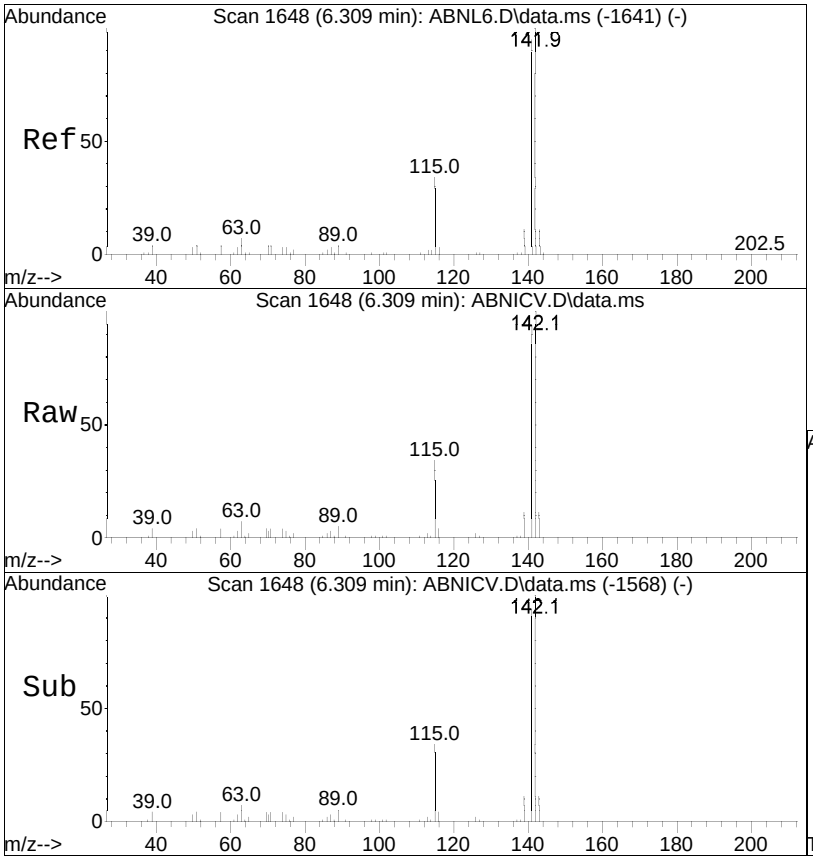


#43
2-Methylnaphthalene
Concen: 4.53 ug/ml
RT: 6.216 min Scan# 1618
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:142 Resp: 96343

Ion	Ratio	Lower	Upper
142	100		
141	93.0	69.6	104.4
115	33.1	26.6	40.0

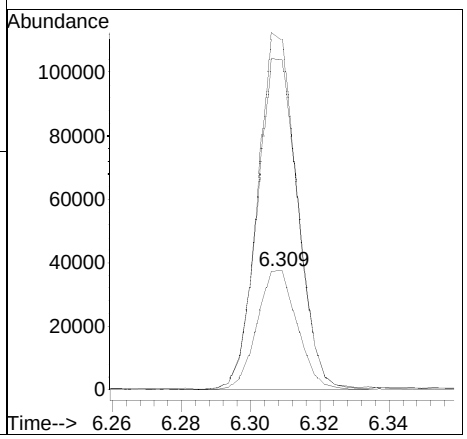


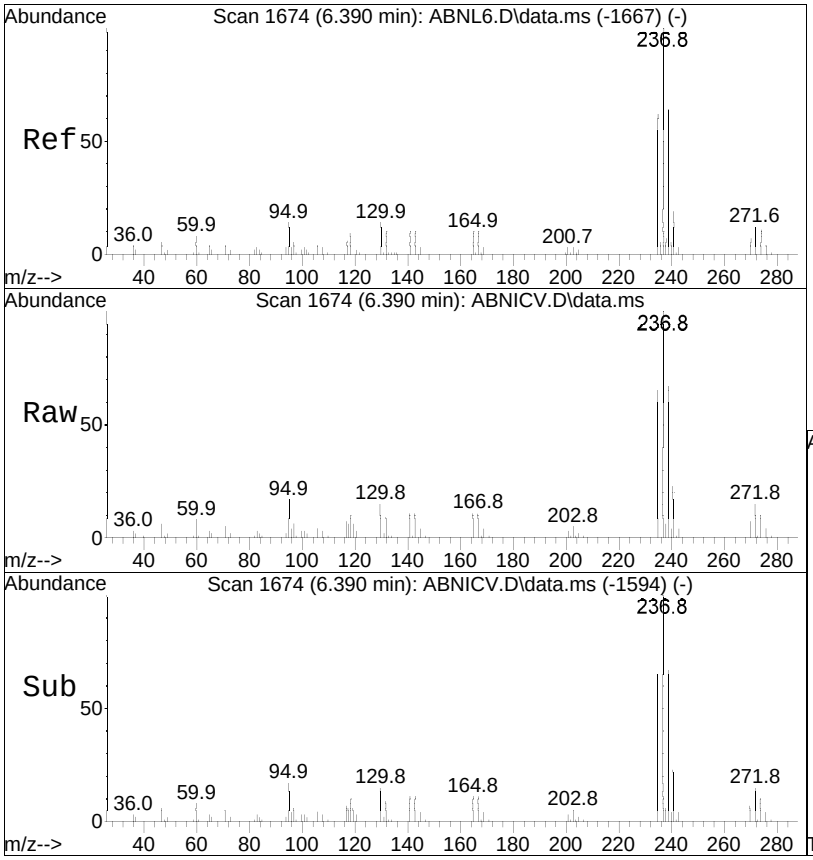


#44
1-Methylnaphthalene
Concen: 4.52 ug/ml
RT: 6.309 min Scan# 1648
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:115 Resp: 30554

Ion	Ratio	Lower	Upper
115	100		
141	278.0	207.8	311.6
142	291.9	226.8	340.2

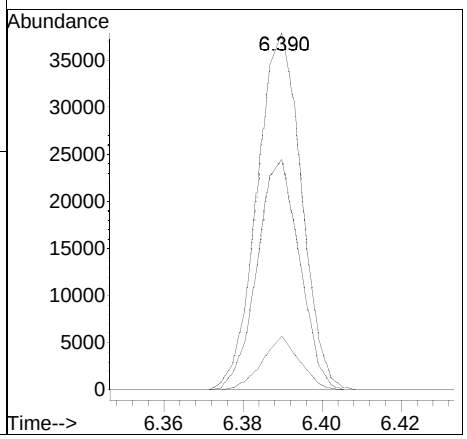


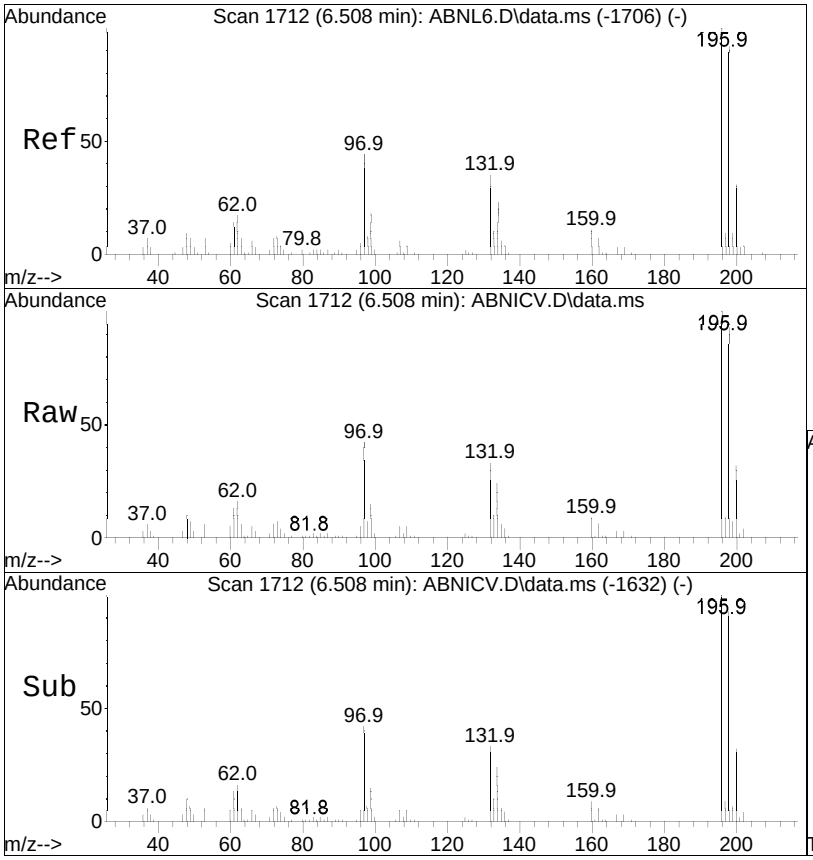


#45
Hexachlorocyclopentadiene
Concen: 3.87 ug/ml
RT: 6.390 min Scan# 1674
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:237 Resp: 29425

Ion	Ratio	Lower	Upper
237	100		
235	61.8	49.7	74.5
272	12.8	9.8	14.6

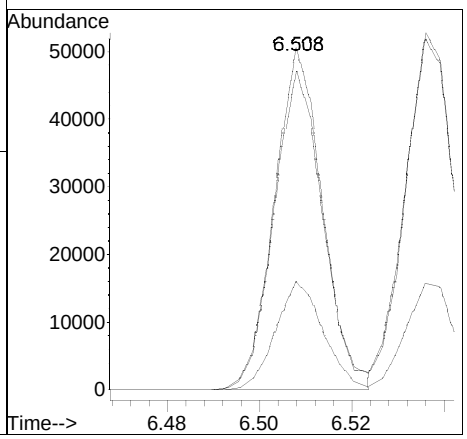


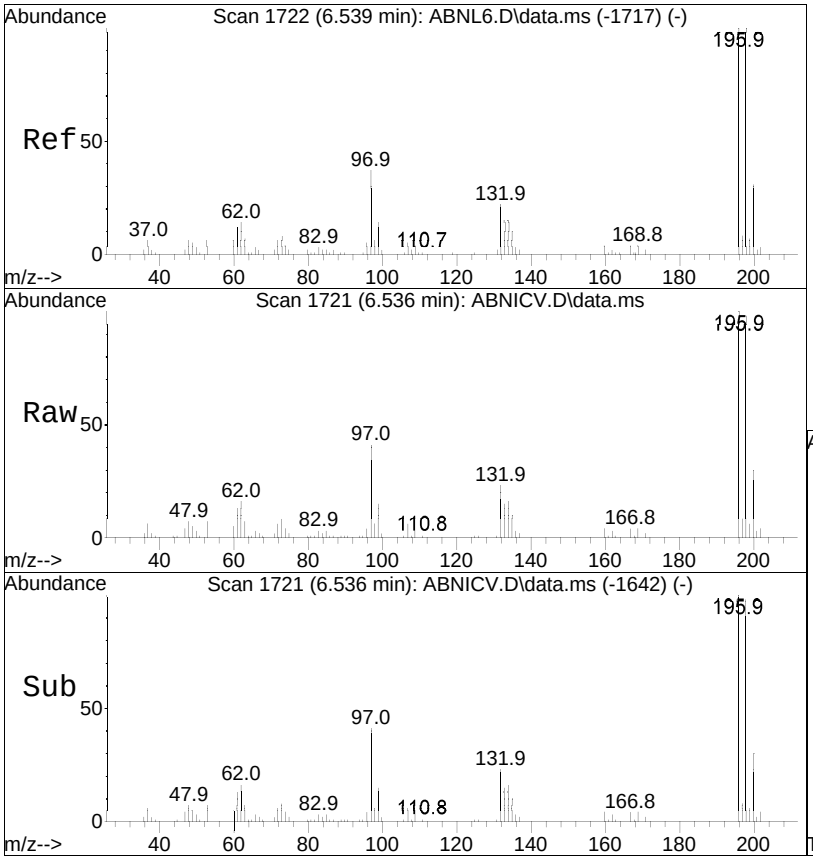


#46
2,4,6-Trichlorophenol
Concen: 4.58 ug/ml
RT: 6.508 min Scan# 1712
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 36634

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.5	116.3
200	31.6	23.8	35.6

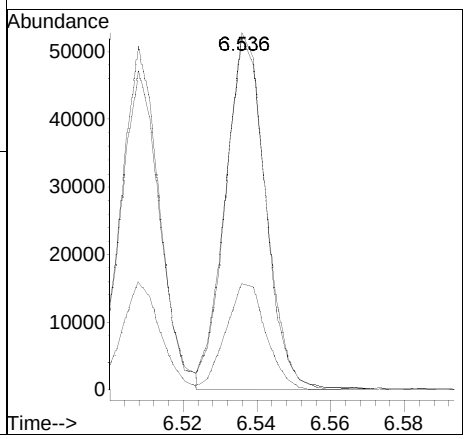


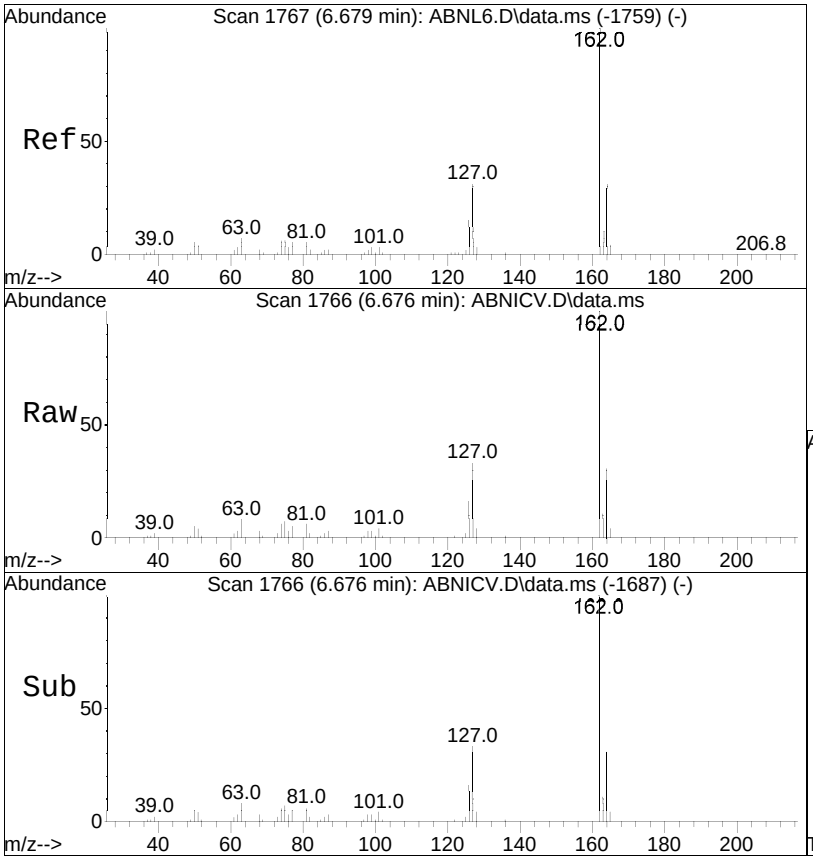


#47
2,4,5-Trichlorophenol
Concen: 4.43 ug/ml
RT: 6.536 min Scan# 1721
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 39640

Ion	Ratio	Lower	Upper
196	100		
200	30.1	25.4	38.0
198	98.2	78.0	117.0

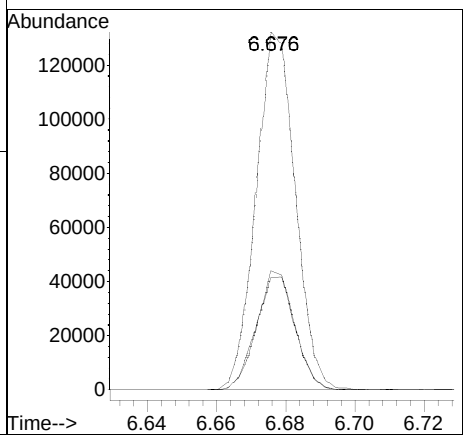


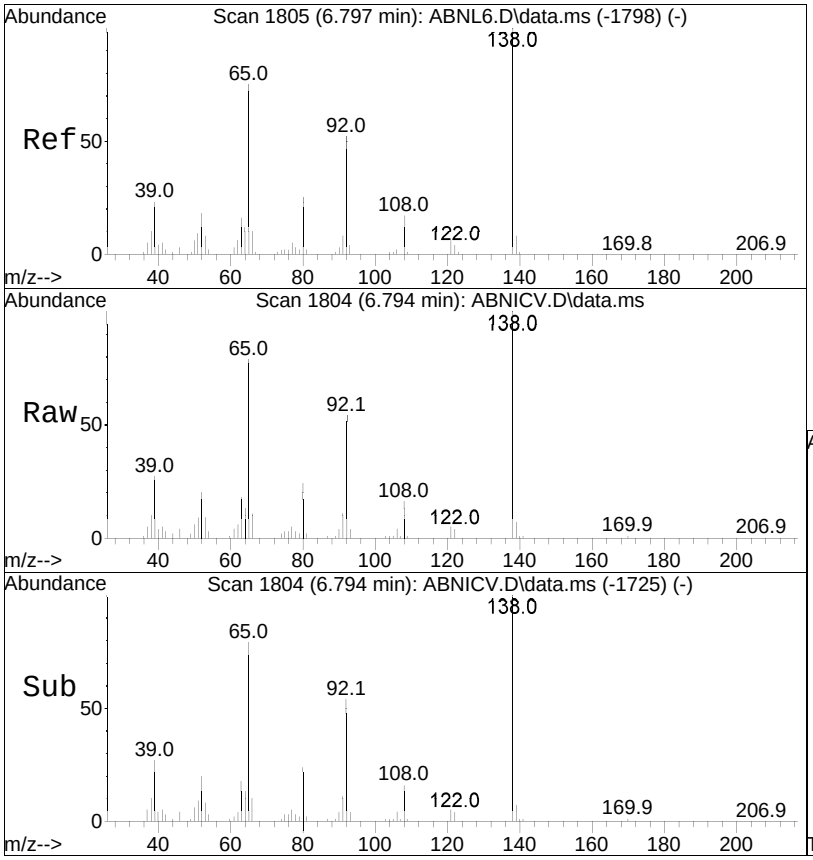


#49
2-Chloronaphthalene
Concen: 4.33 ug/ml
RT: 6.676 min Scan# 1766
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 103138

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	31.6	25.7	38.5

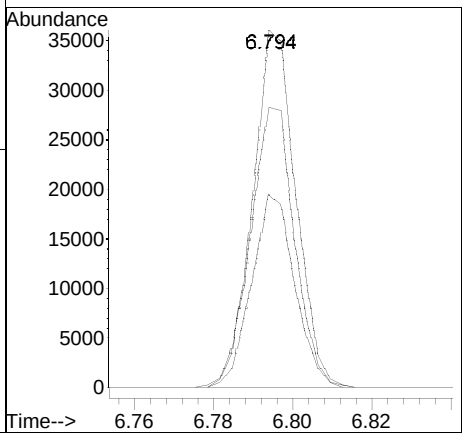


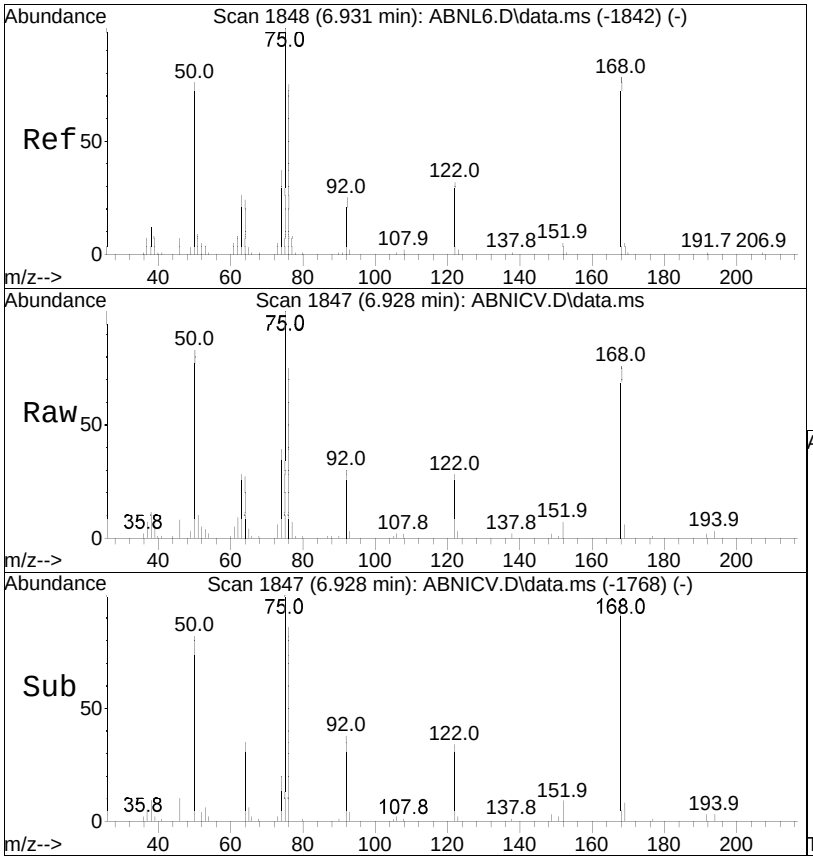


#50
2-Nitroaniline
Concen: 4.45 ug/ml
RT: 6.794 min Scan# 1804
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 27096

Ion	Ratio	Lower	Upper
138	100		
92	54.3	53.5	80.3
65	80.7	86.3	129.5#

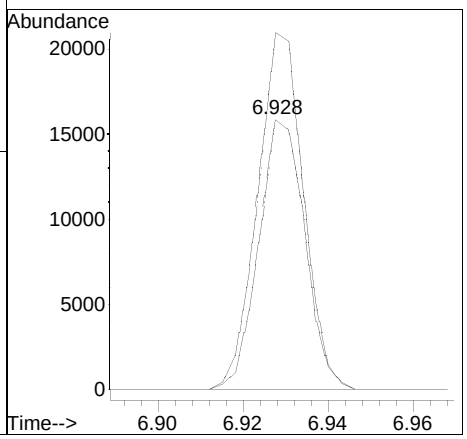


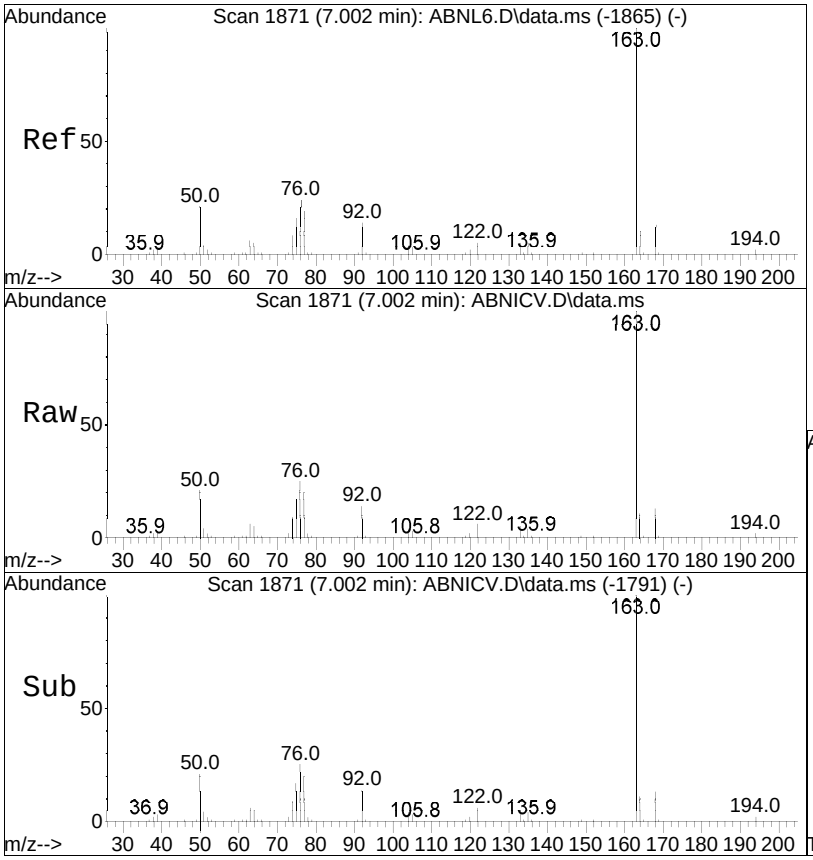


#51
1,4-Dinitrobenzene
Concen: 4.50 ug/ml
RT: 6.928 min Scan# 1847
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 11911

Ion	Ratio	Lower	Upper
168	100		
75	131.0	121.8	182.8

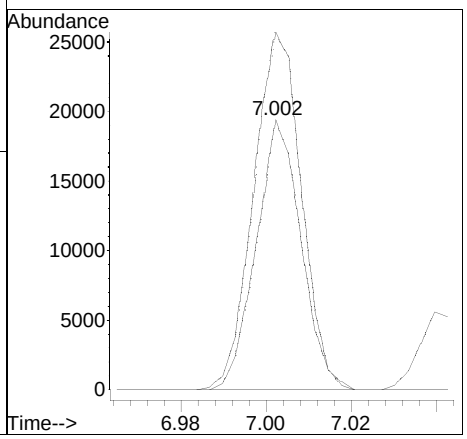


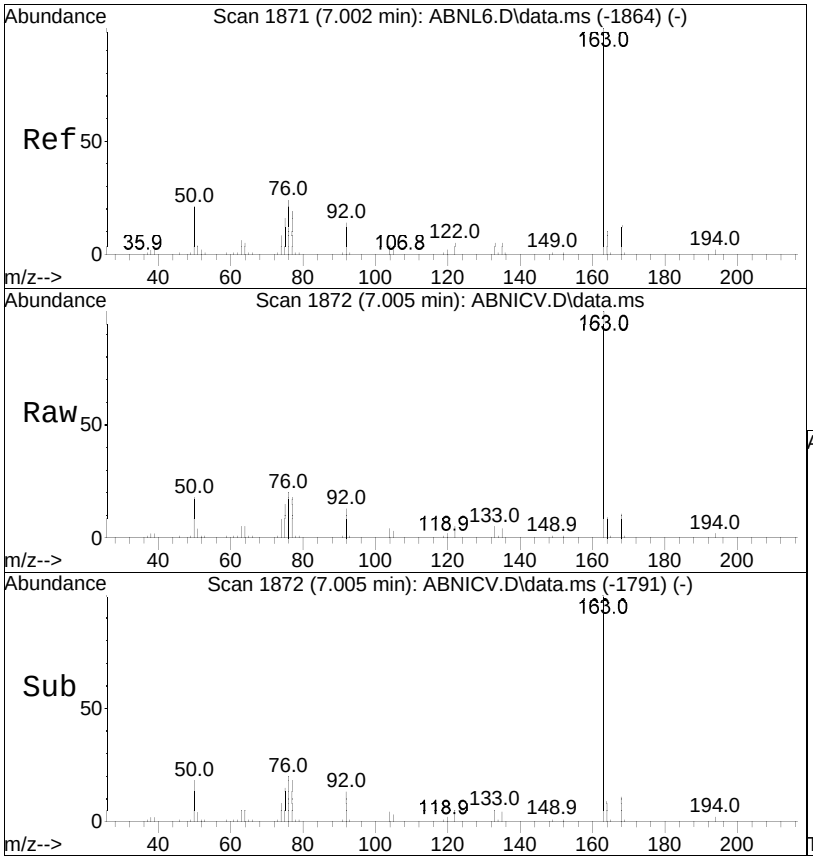


#52
1,3-Dinitrobenzene
Concen: 4.43 ug/ml
RT: 7.002 min Scan# 1871
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 14057

Ion	Ratio	Lower	Upper
168	100		
75	141.5	22.7	34.1#

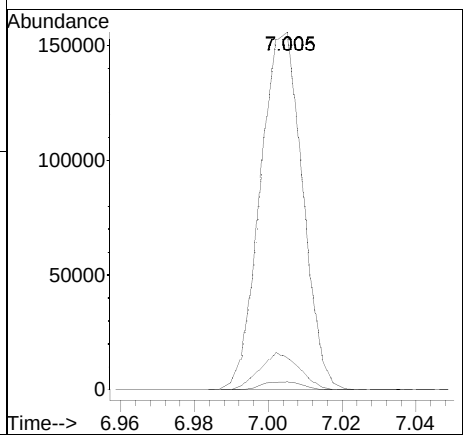


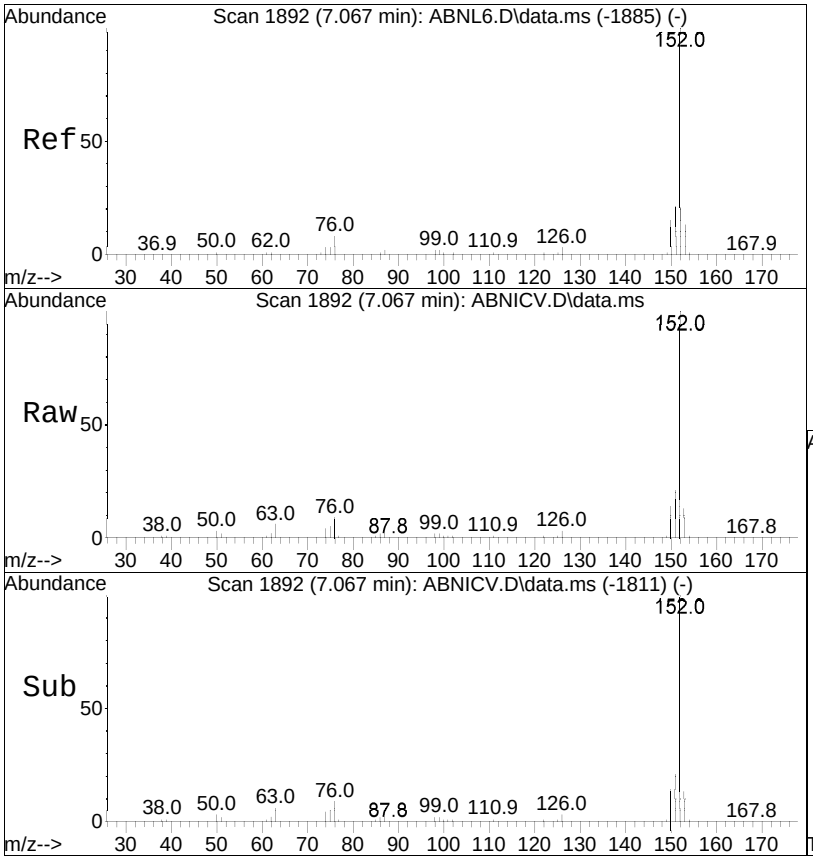


#53
Dimethyl phthalate
Concen: 4.44 ug/ml
RT: 7.005 min Scan# 1872
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:163 Resp: 122829

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	9.9	7.9	11.9

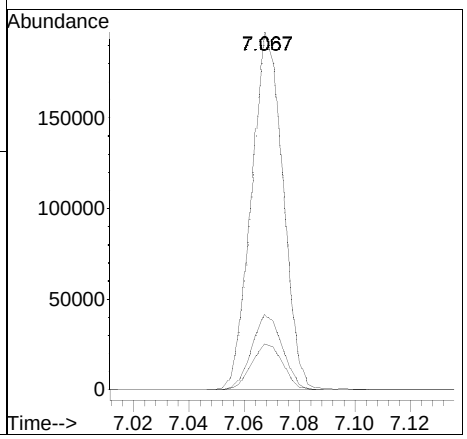


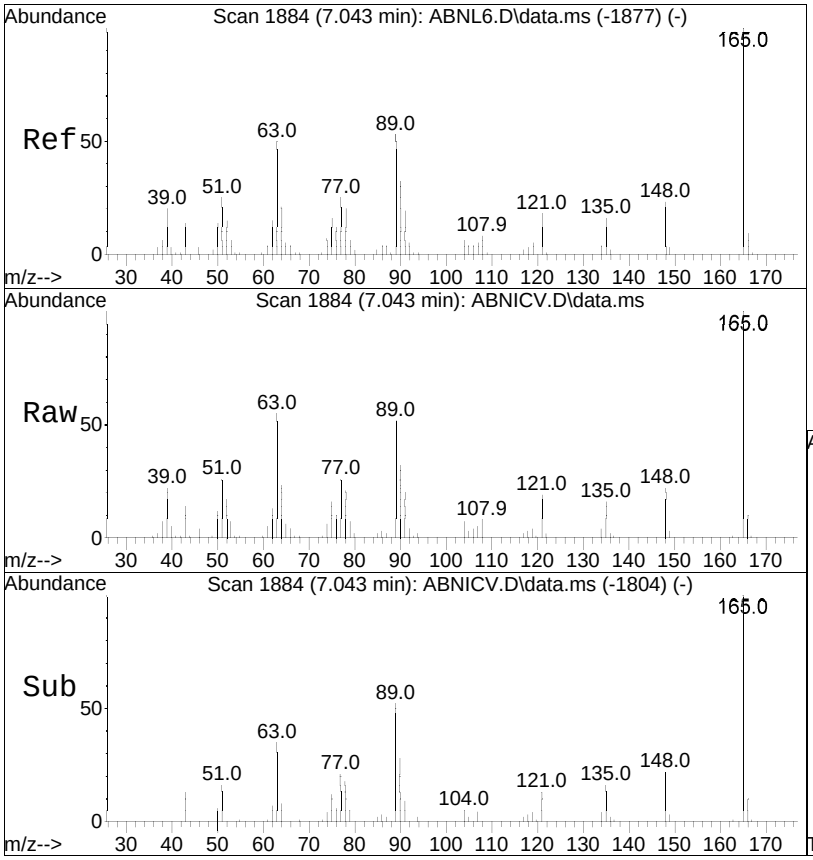


#54
Acenaphthylene
Concen: 4.44 ug/ml
RT: 7.067 min Scan# 1892
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:152 Resp: 155180

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.8	10.5	15.7

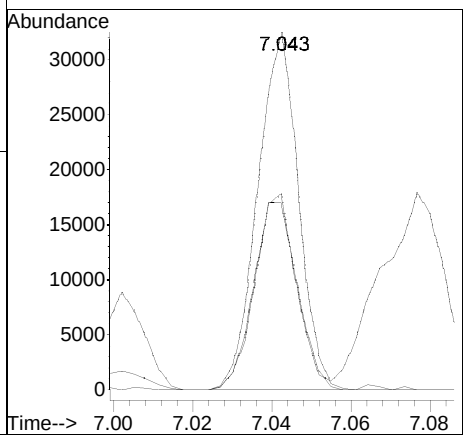


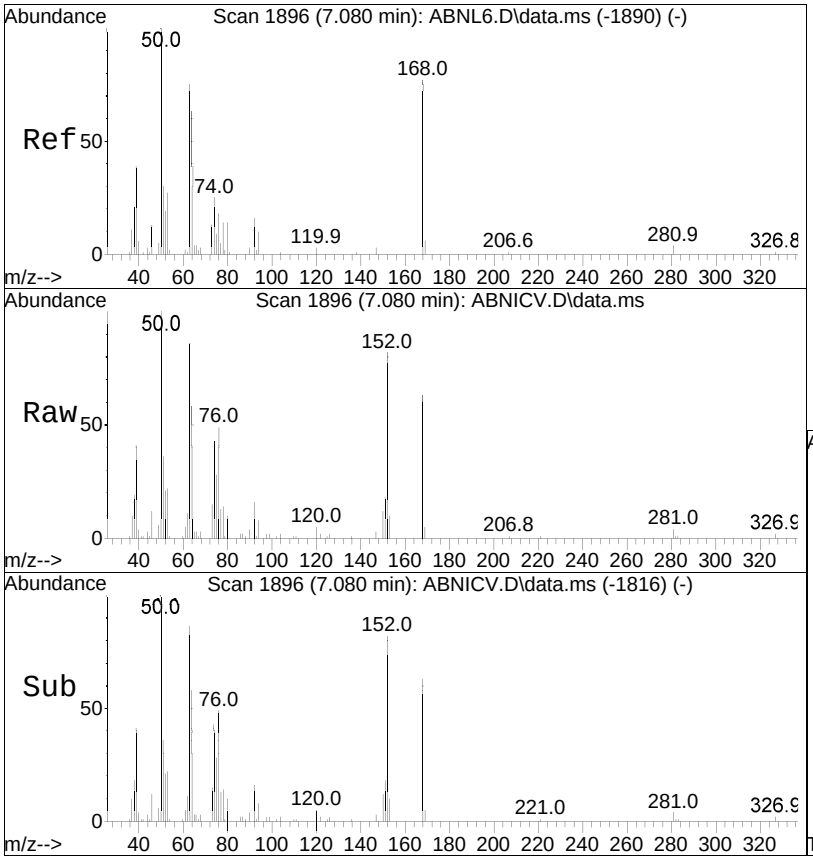


#55
2,6-Dinitrotoluene
Concen: 4.50 ug/ml
RT: 7.043 min Scan# 1884
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 23242

Ion	Ratio	Lower	Upper
165	100		
89	55.9	54.2	81.2
63	56.7	64.2	96.2#

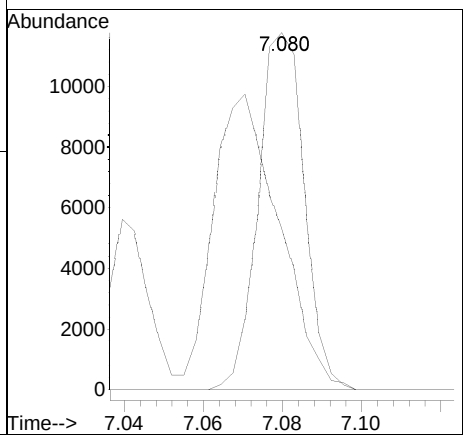


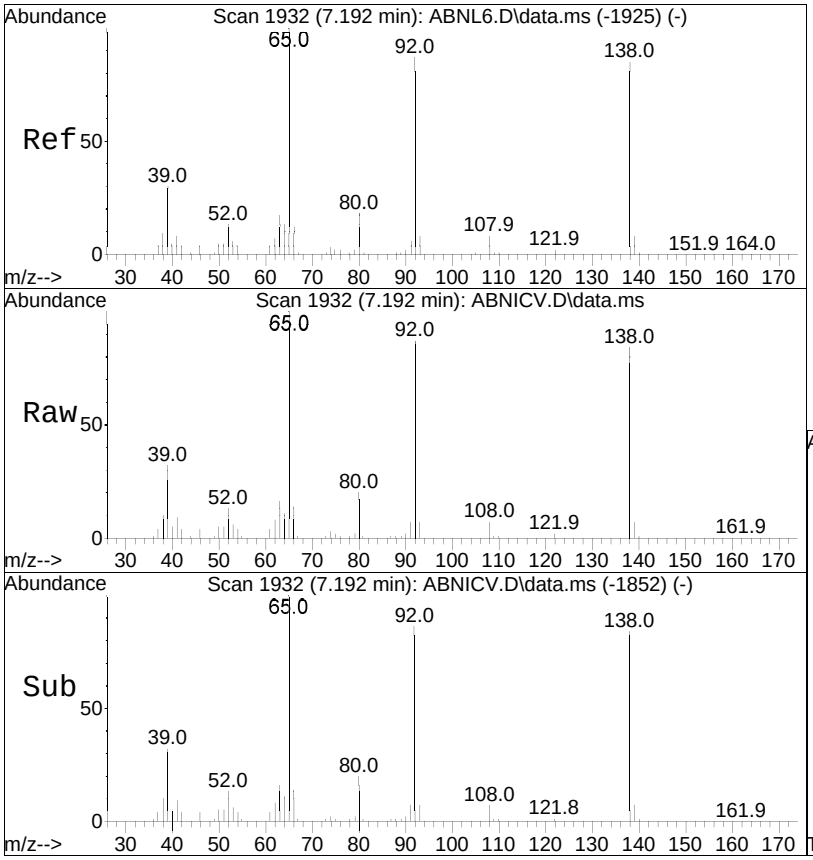


#56
1,2-Dinitrobenzene
Concen: 5.13 ug/ml
RT: 7.080 min Scan# 1896
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 9499

Ion	Ratio	Lower	Upper
168	100		
75	118.0	30.9	46.3#

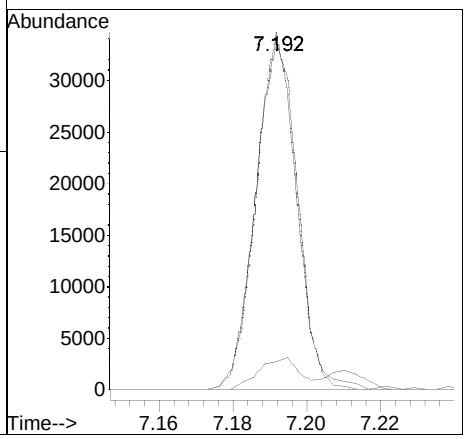


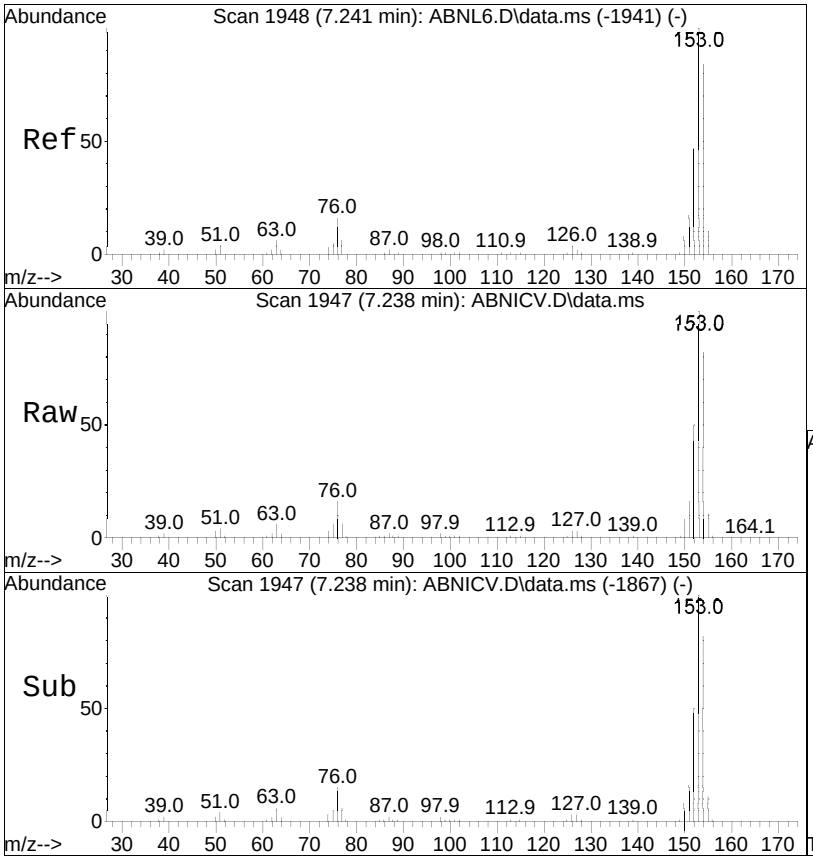


#66
3-Nitroaniline
Concen: 4.70 ug/ml
RT: 7.192 min Scan# 1932
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26098

Ion	Ratio	Lower	Upper
138	100		
92	100.6	93.4	140.2
108	9.1	9.5	14.3#

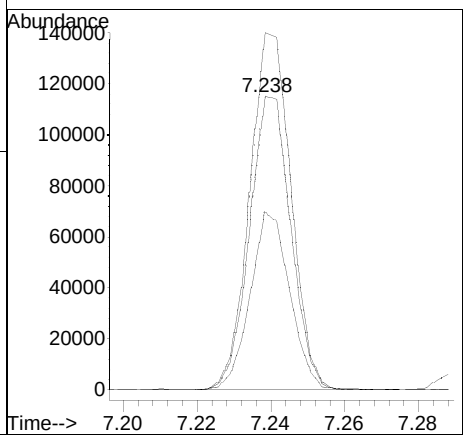


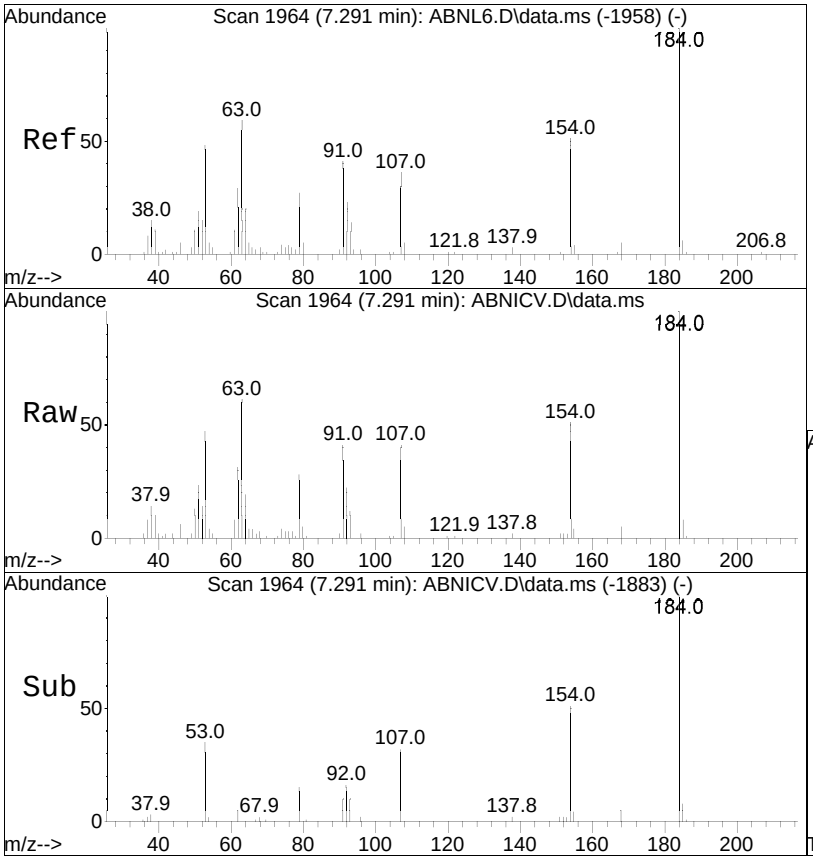


#67
Acenaphthene
Concen: 4.27 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:154 Resp: 89205

Ion	Ratio	Lower	Upper
154	100		
153	122.2	85.3	127.9
152	58.1	41.4	62.0

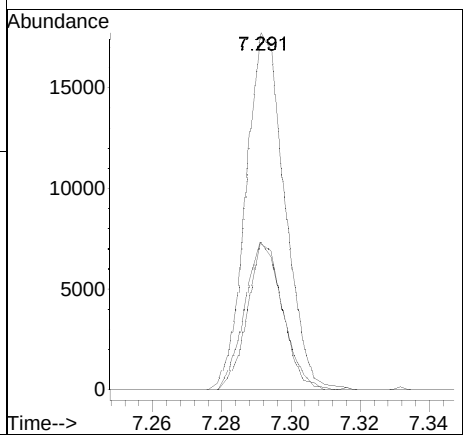


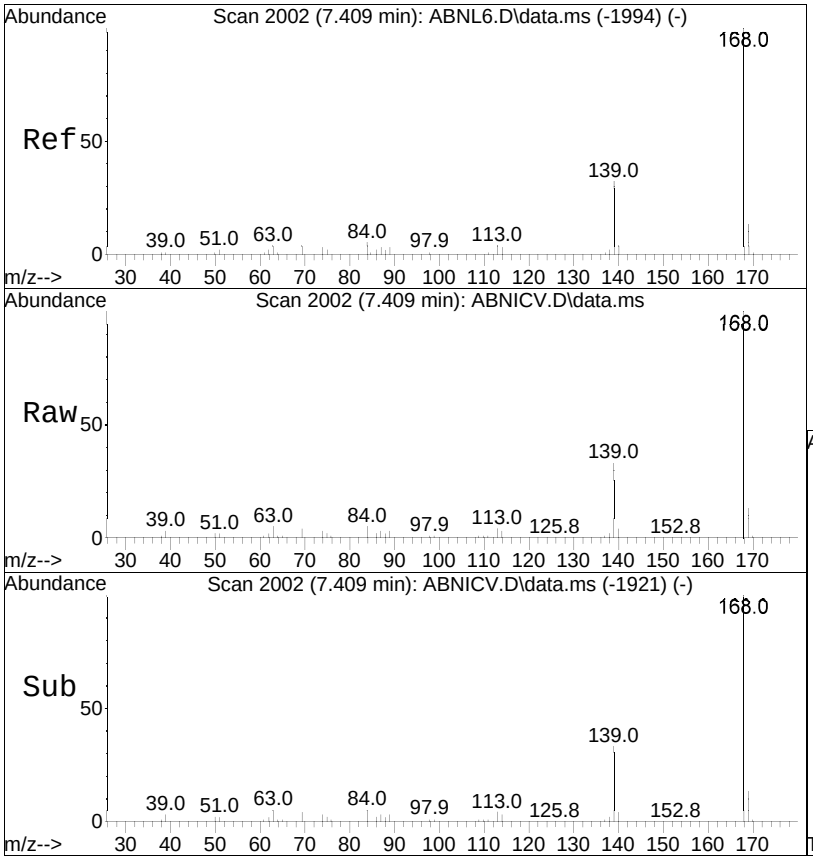


#68
2,4-Dinitrophenol
Concen: 4.13 ug/ml
RT: 7.291 min Scan# 1964
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 13757

Ion	Ratio	Lower	Upper
184	100		
107	38.0	37.7	56.5
91	39.9	46.3	69.5#

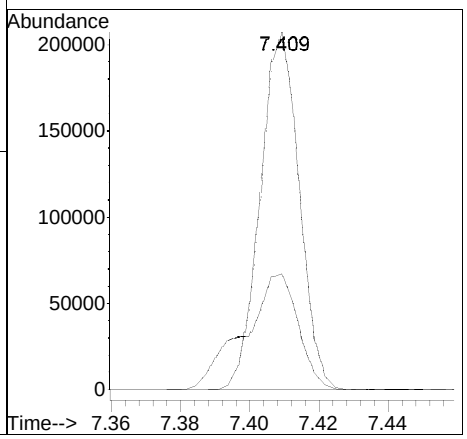


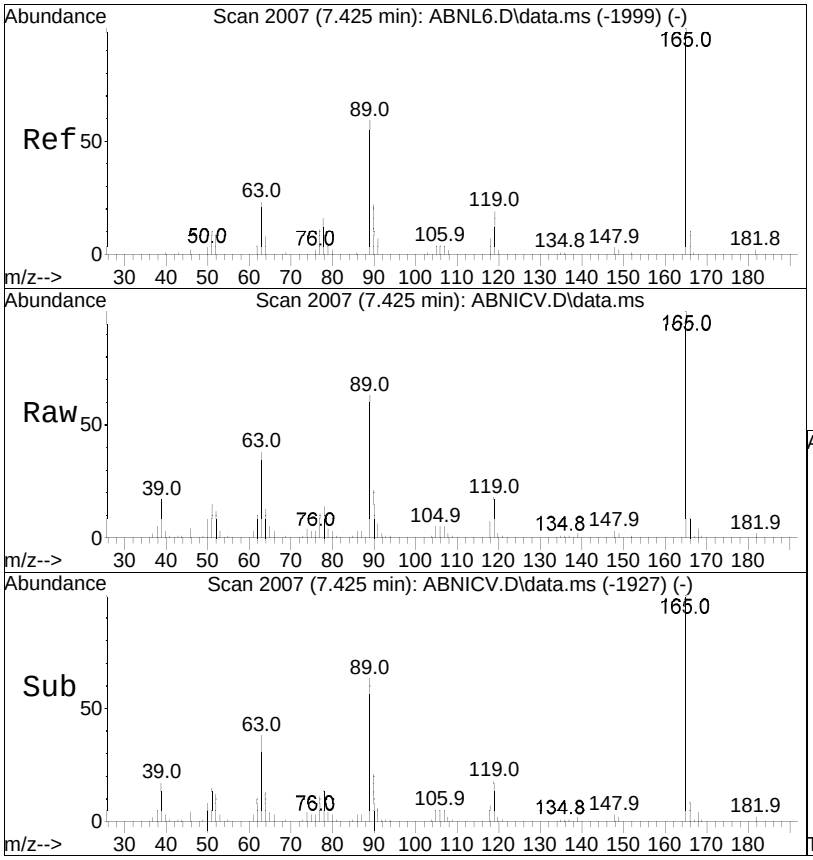


#69
Dibenzofuran
Concen: 4.45 ug/ml
RT: 7.409 min Scan# 2002
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 160445

Ion	Ratio	Lower	Upper
168	100		
139	45.7	31.4	47.2

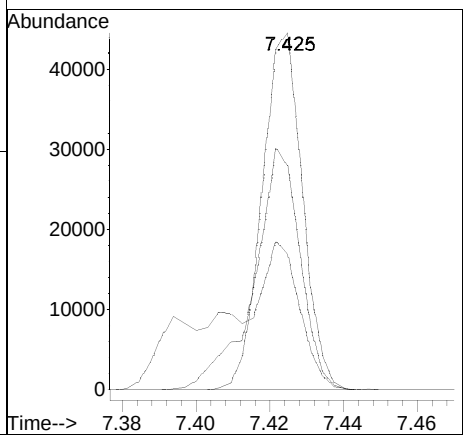


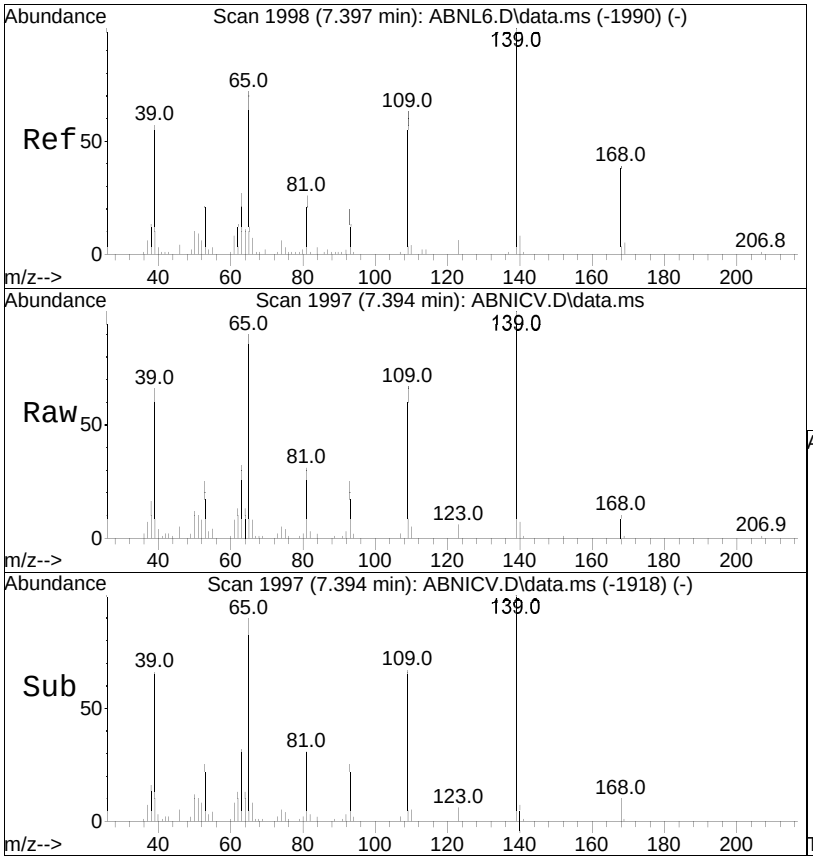


#70
2,4-Dinitrotoluene
Concen: 4.84 ug/ml
RT: 7.425 min Scan# 2007
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 33658

Ion	Ratio	Lower	Upper
165	100		
89	77.6	72.0	108.0
63	41.9	52.7	79.1#

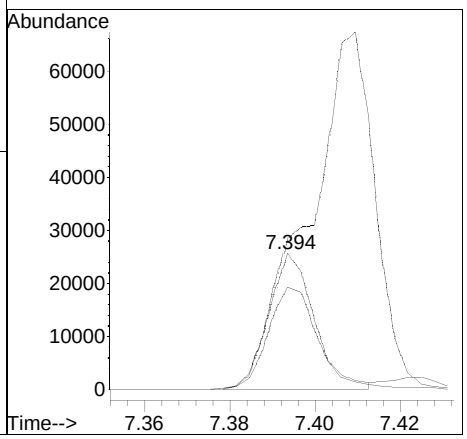


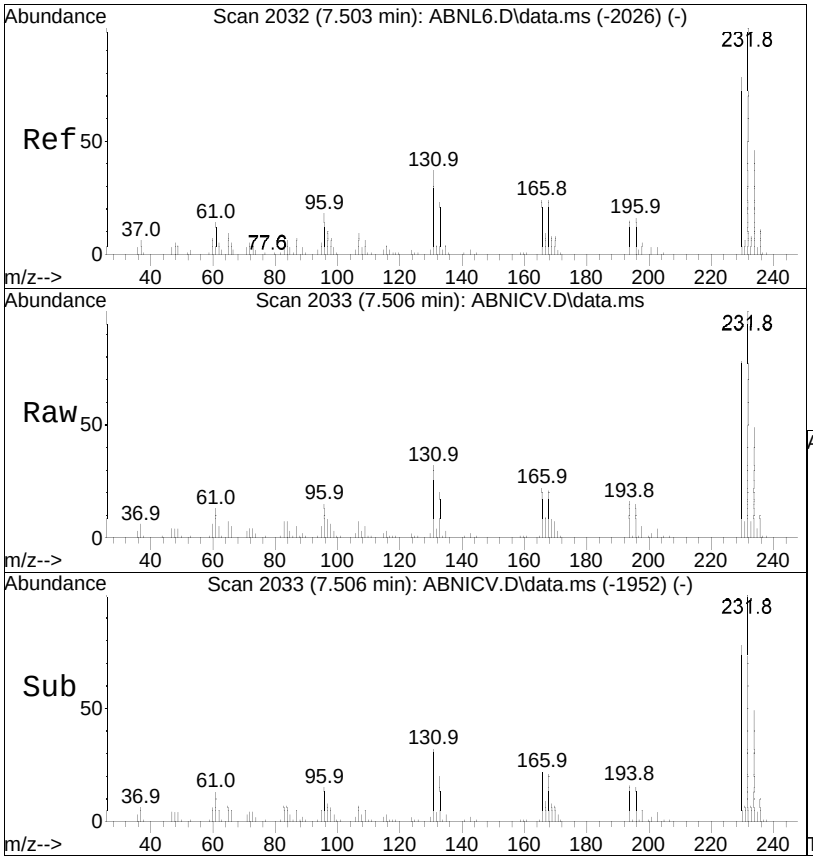


#71
4-Nitrophenol
Concen: 4.67 ug/ml
RT: 7.394 min Scan# 1997
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 19325

Ion	Ratio	Lower	Upper
65	100		
109	81.5	47.4	71.2#
139	0.0	76.6	115.0#

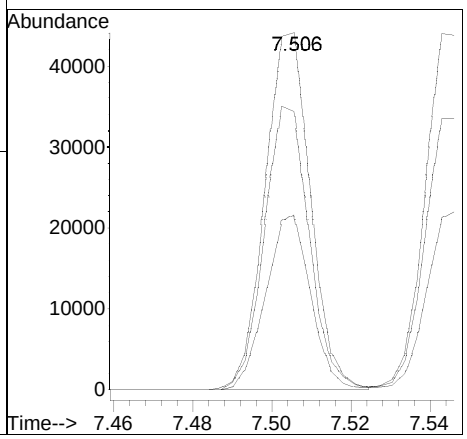


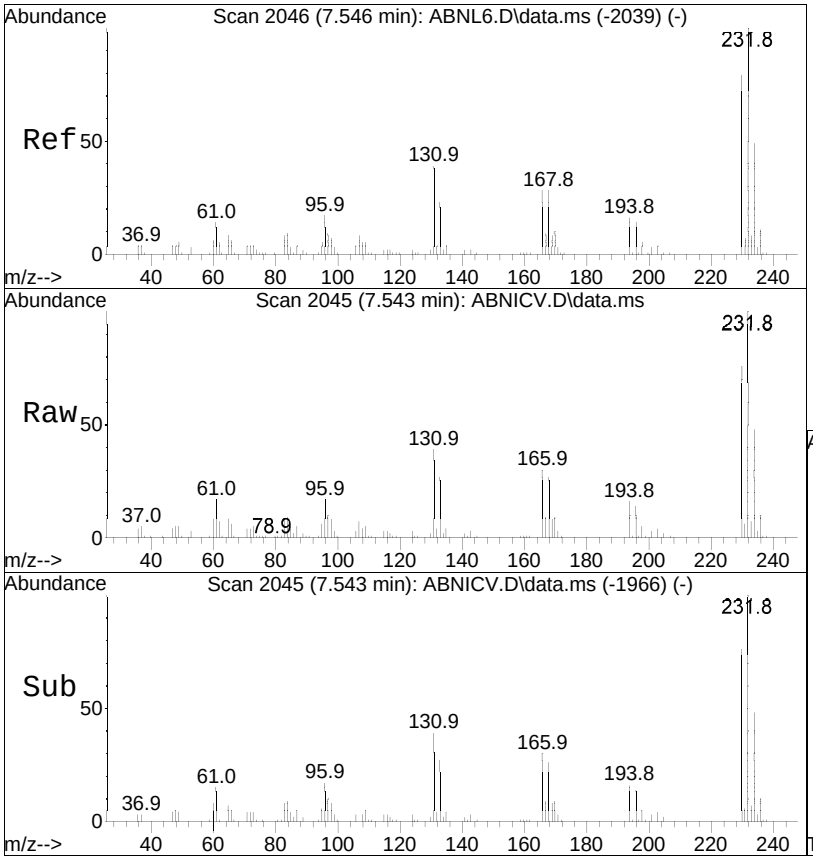


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.52 ug/ml
RT: 7.506 min Scan# 2033
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35437

Ion	Ratio	Lower	Upper
232	100		
230	78.3	64.2	96.4
234	48.2	38.1	57.1

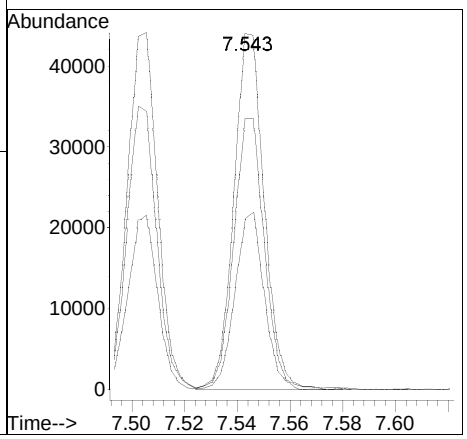


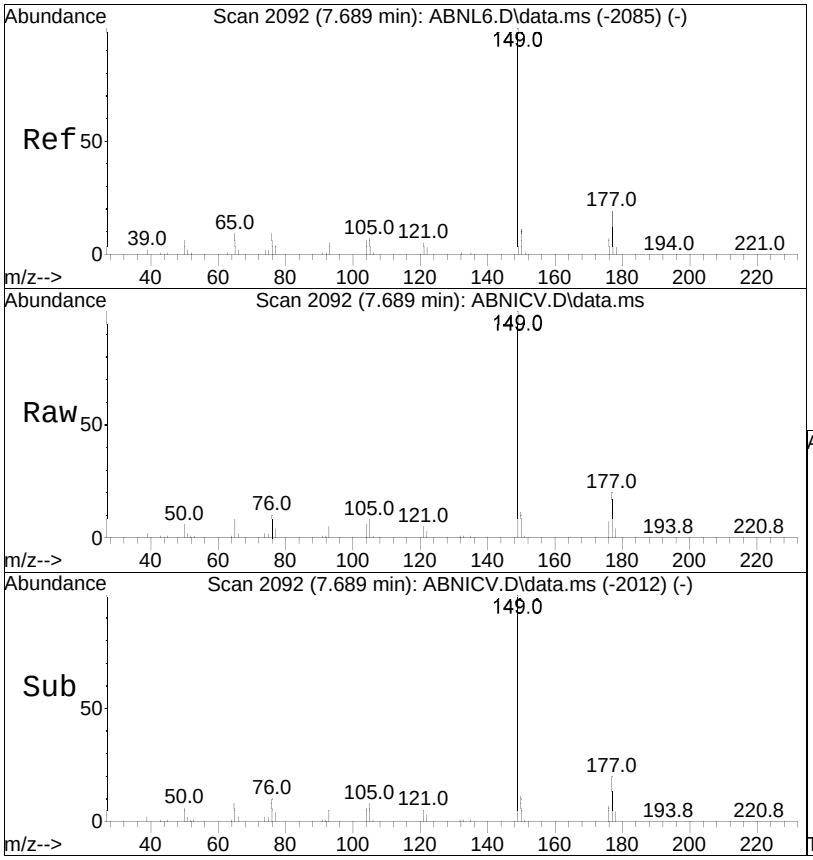


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.63 ug/ml
RT: 7.543 min Scan# 2045
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35578

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.2	36.2	54.2

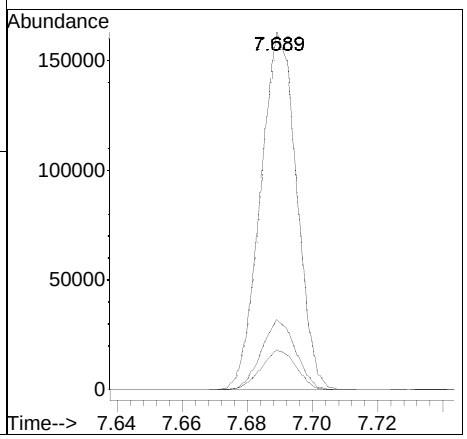


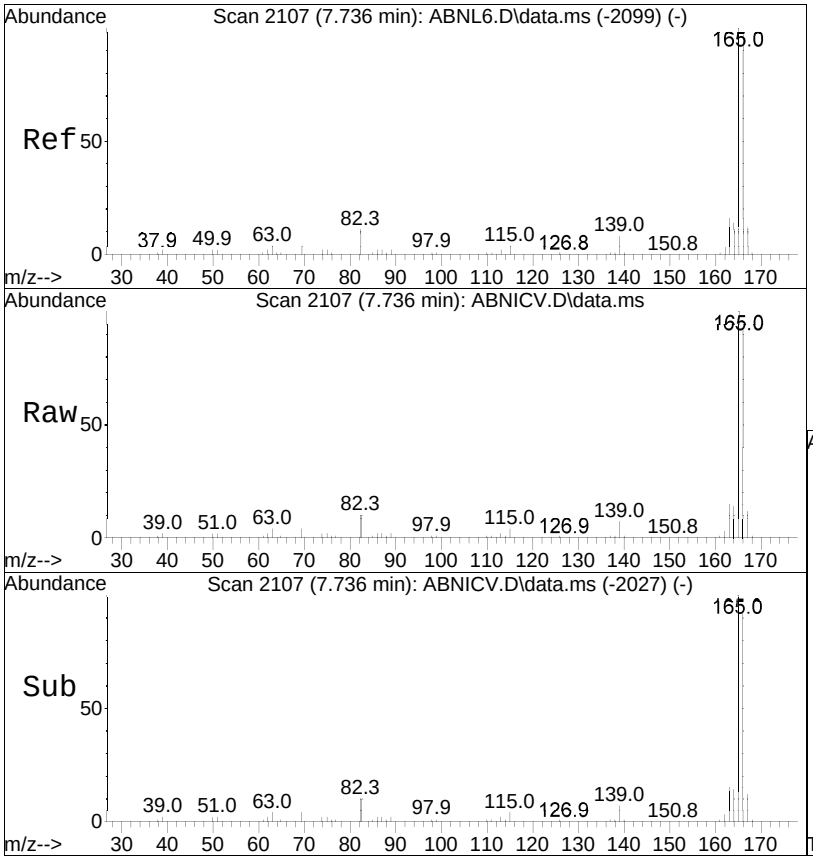


#74
Diethyl phthalate
Concen: 4.38 ug/ml
RT: 7.689 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 123901

Ion	Ratio	Lower	Upper
149	100		
177	18.9	16.1	24.1
150	11.2	9.4	14.2

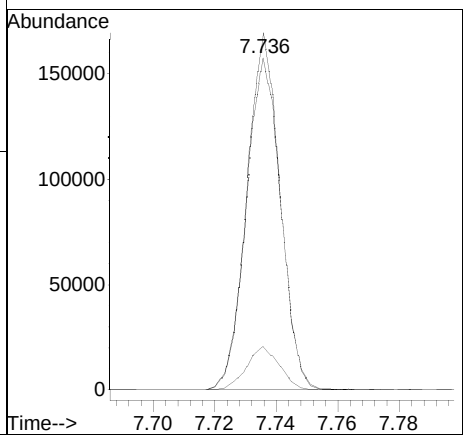


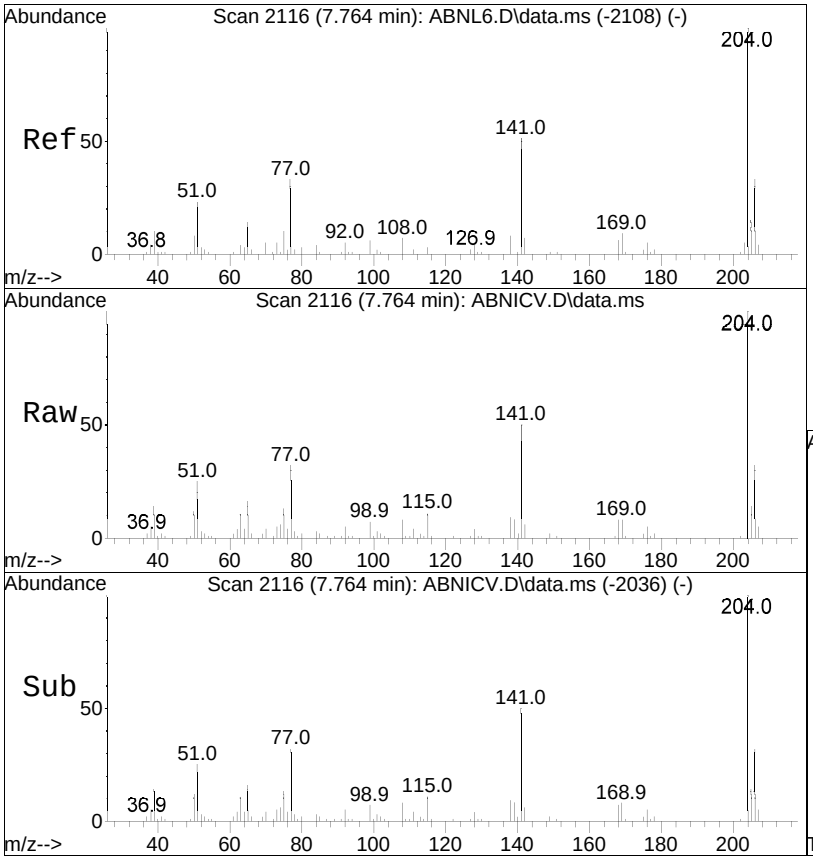


#75
Fluorene
Concen: 4.42 ug/ml
RT: 7.736 min Scan# 2107
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:166 Resp: 122050

Ion	Ratio	Lower	Upper
166	100		
165	104.2	76.2	114.2
167	12.5	10.6	15.8

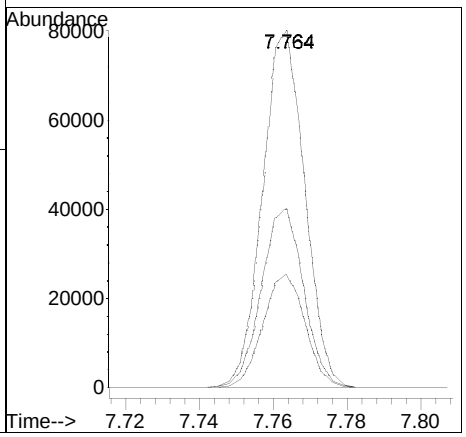


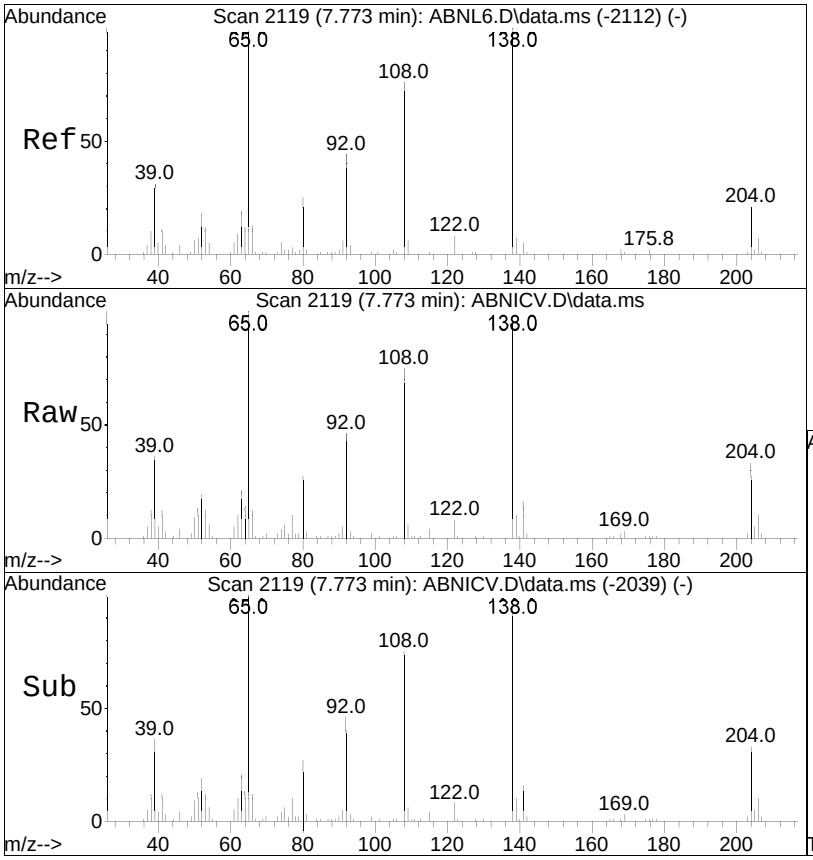


#76
4-Chlorophenyl phenyl ether
Concen: 4.43 ug/ml
RT: 7.764 min Scan# 2116
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:204 Resp: 63042

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	50.4	53.6	80.4#

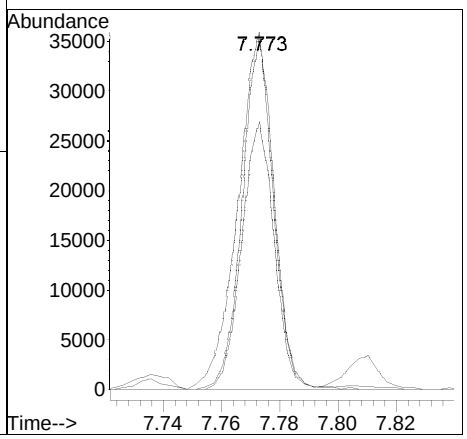


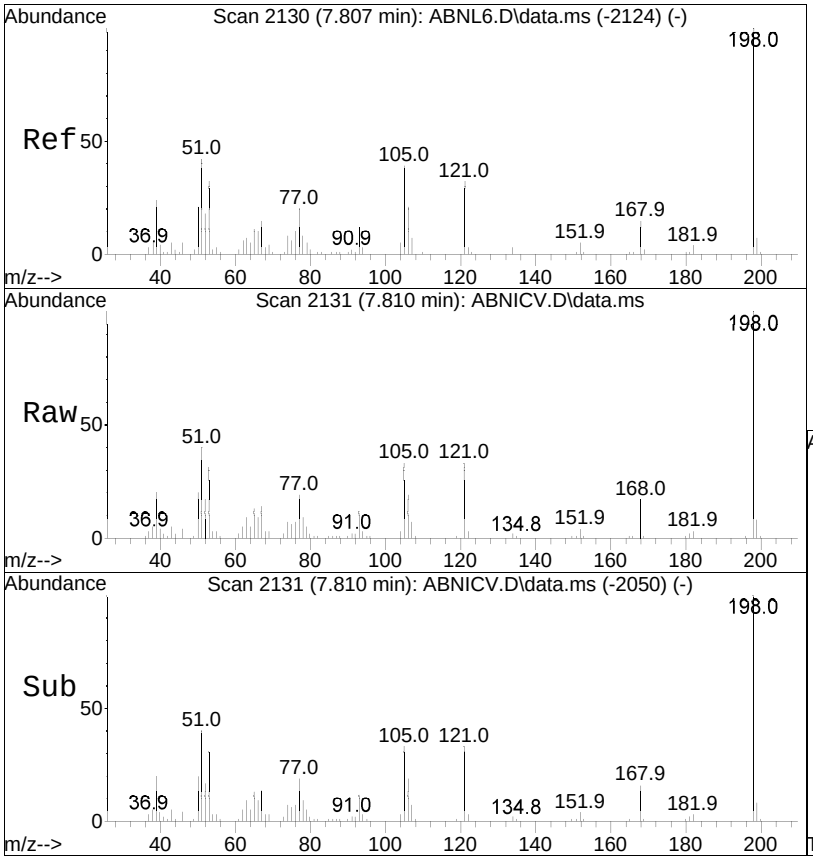


#77
4-Nitroaniline
Concen: 5.02 ug/ml
RT: 7.773 min Scan# 2119
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26907

Ion	Ratio	Lower	Upper
138	100		
108	77.2	52.1	78.1
65	111.2	115.0	172.6#

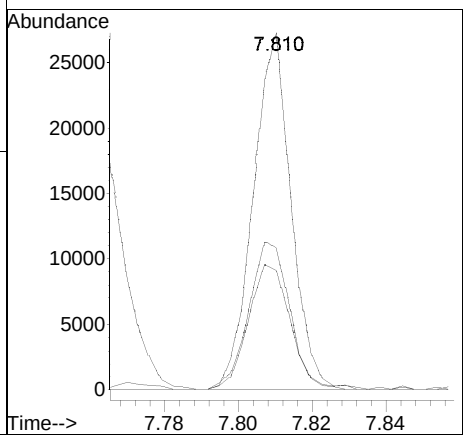


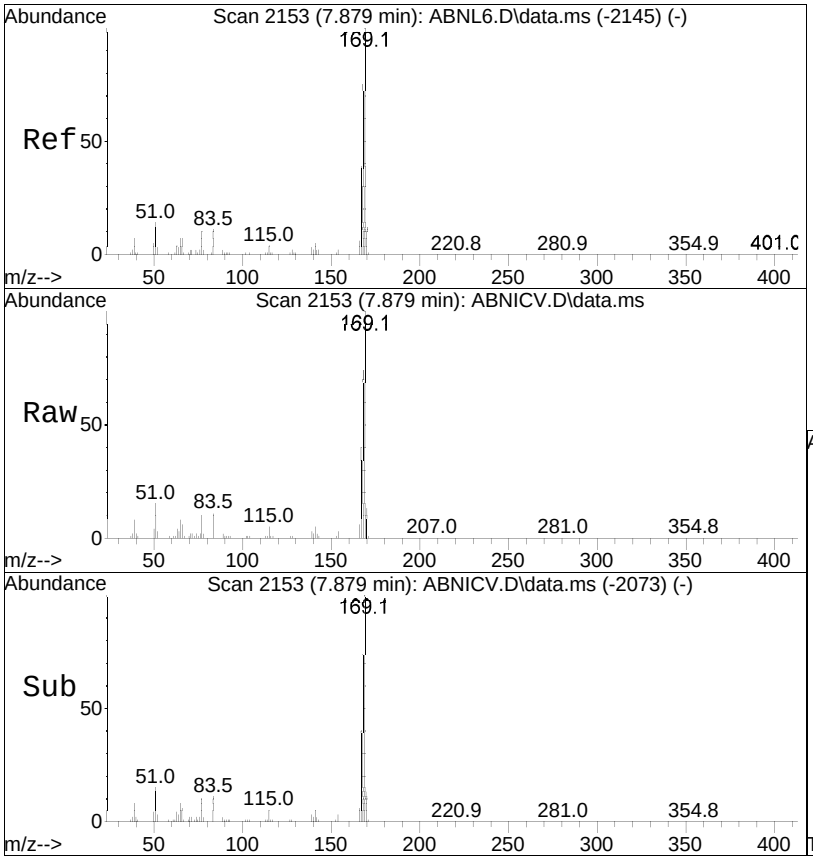


#78
4,6-Dinitro-o-cresol
Concen: 4.61 ug/ml
RT: 7.810 min Scan# 2131
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:198 Resp: 19382

Ion	Ratio	Lower	Upper
198	100		
51	45.2	76.0	114.0#
105	38.6	45.6	68.4#

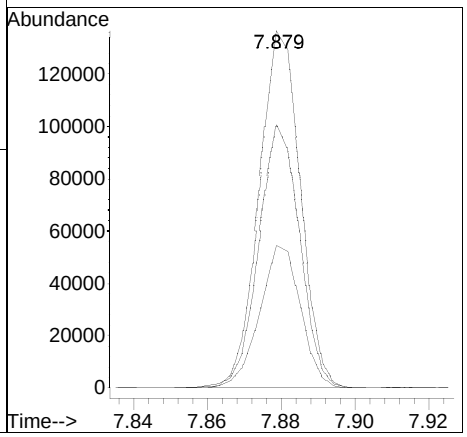


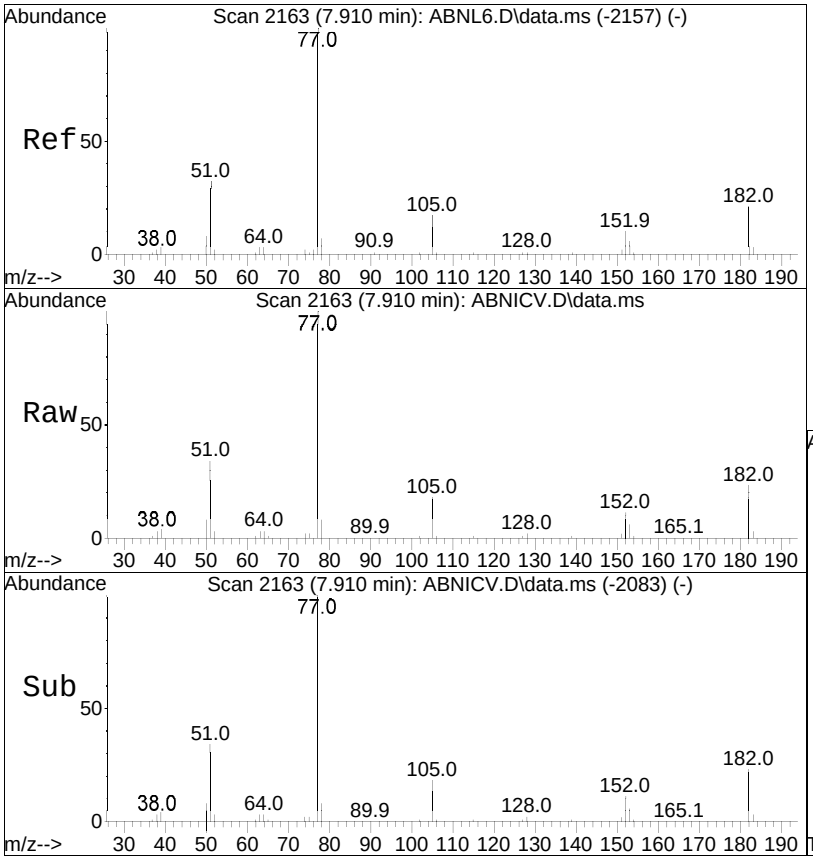


#79
NDPA/DPA
Concen: 4.40 ug/ml
RT: 7.879 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:169 Resp: 105614

Ion	Ratio	Lower	Upper
169	100		
168	73.5	54.0	81.0
167	39.9	28.6	42.8

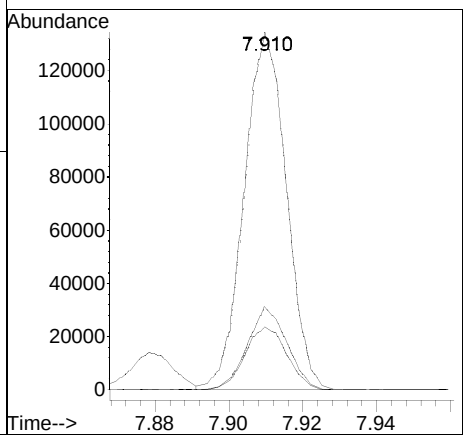


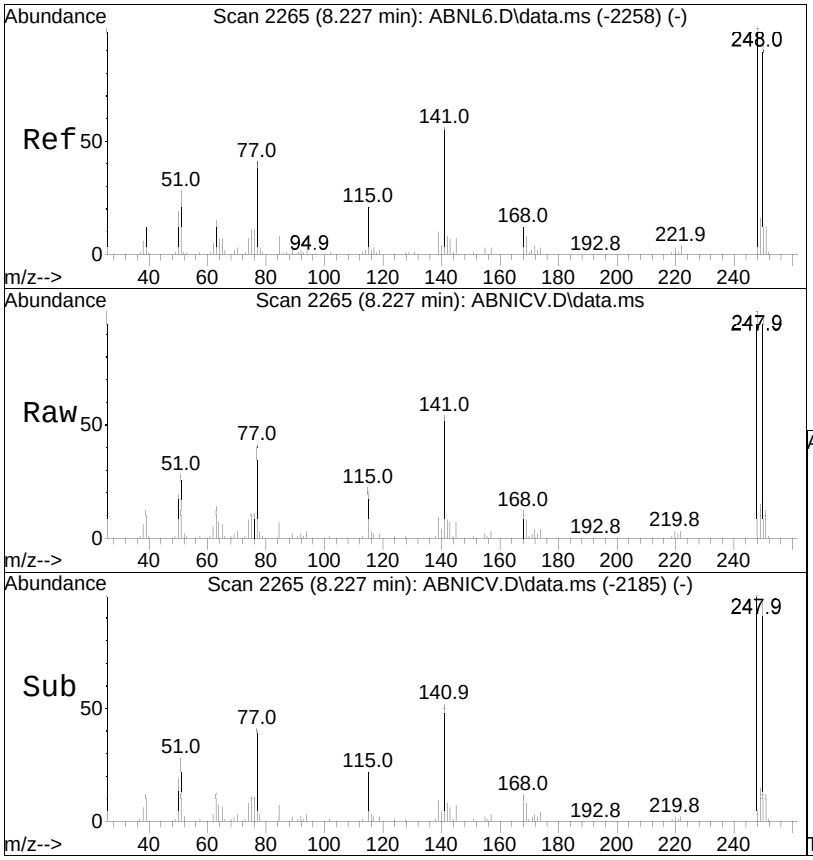


#80
Azobenzene
Concen: 4.60 ug/ml
RT: 7.910 min Scan# 2163
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 105841

Ion	Ratio	Lower	Upper
77	100		
182	21.9	17.4	26.2
105	17.7	15.4	23.2

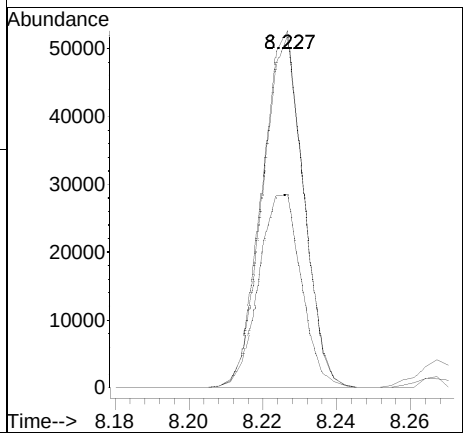


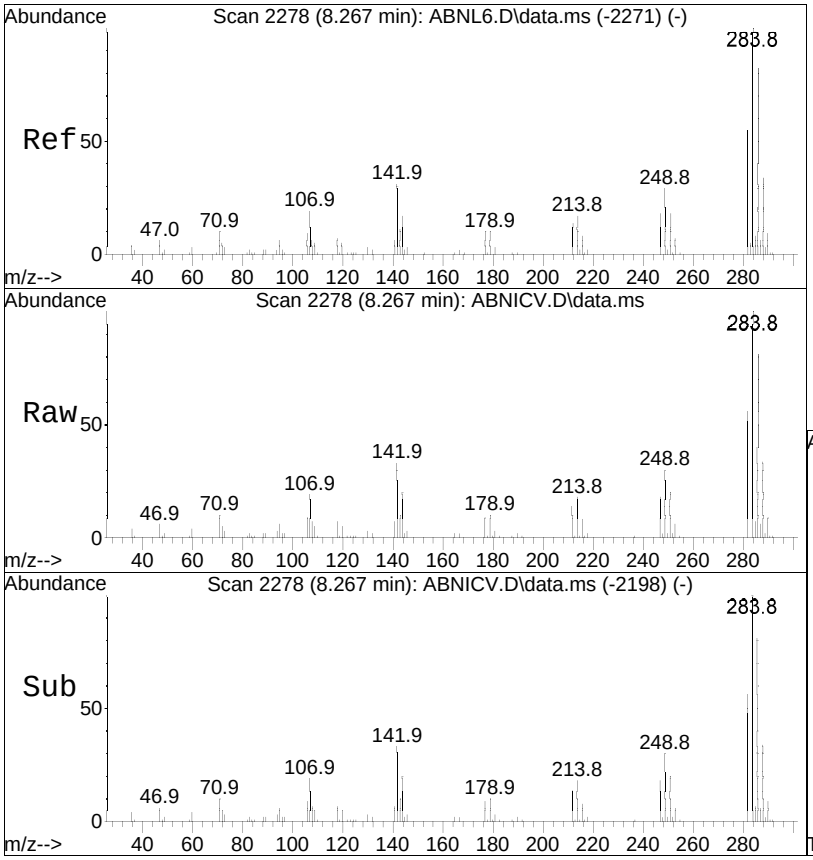


#82
4-Bromophenyl phenyl ether
Concen: 4.36 ug/ml
RT: 8.227 min Scan# 2265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:248 Resp: 40811

Ion	Ratio	Lower	Upper
248	100		
141	55.8	76.6	114.8#
250	97.2	77.3	115.9

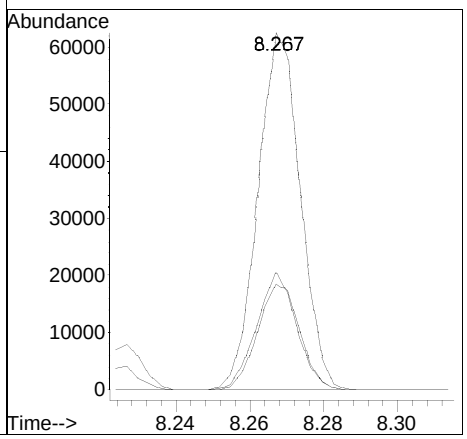


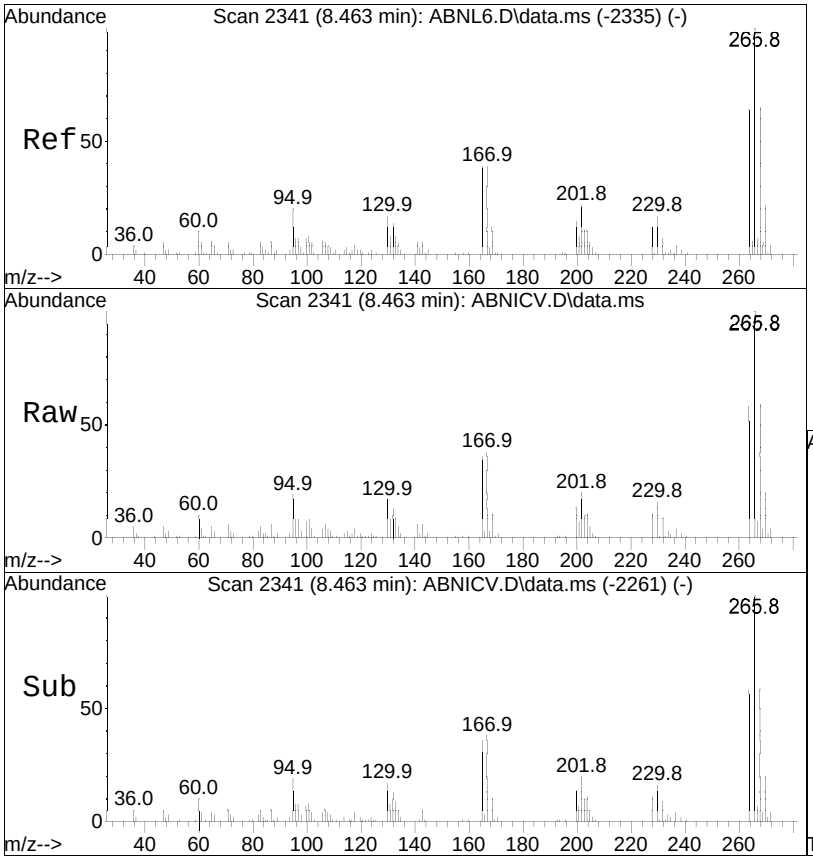


#83
Hexachlorobenzene
Concen: 4.21 ug/ml
RT: 8.267 min Scan# 2278
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:284 Resp: 49668

Ion	Ratio	Lower	Upper
284	100		
142	31.2	41.9	62.9#
249	29.5	24.1	36.1

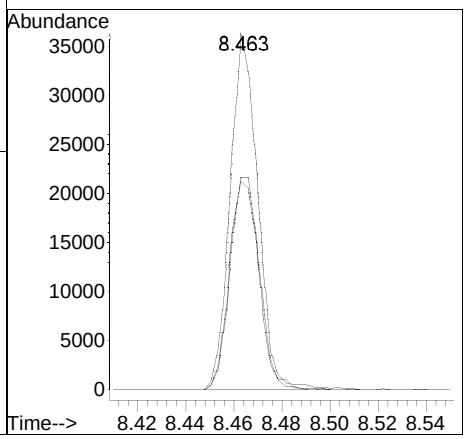


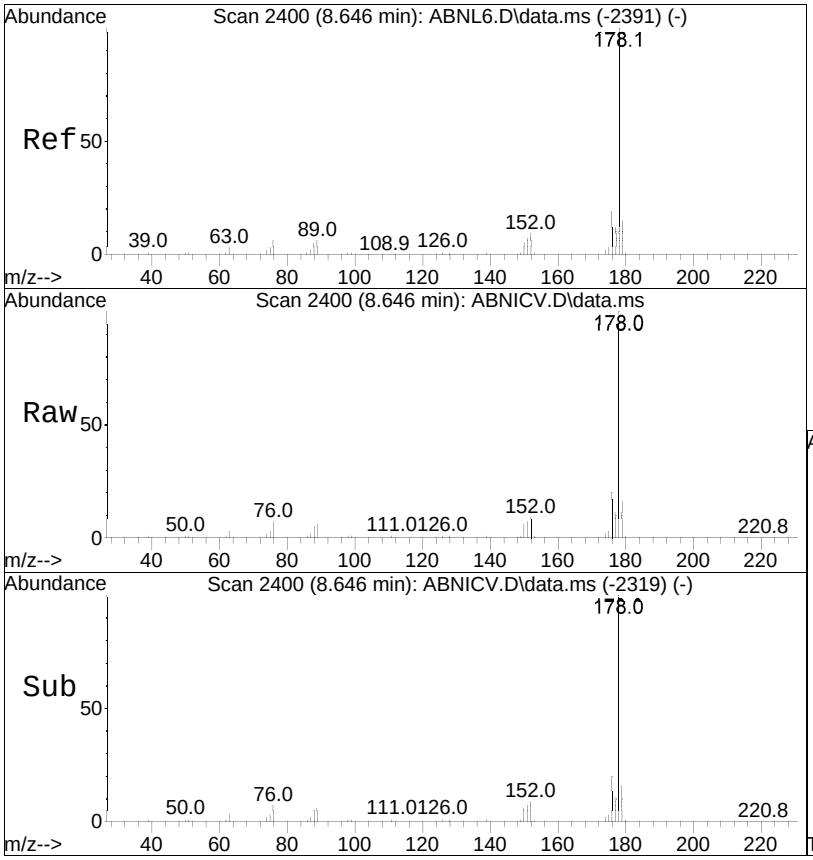


#84
Pentachlorophenol
Concen: 4.55 ug/ml
RT: 8.463 min Scan# 2341
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:266 Resp: 29051

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.7	74.5
268	63.9	50.5	75.7

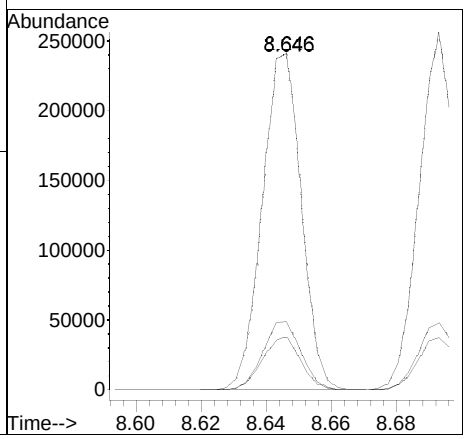


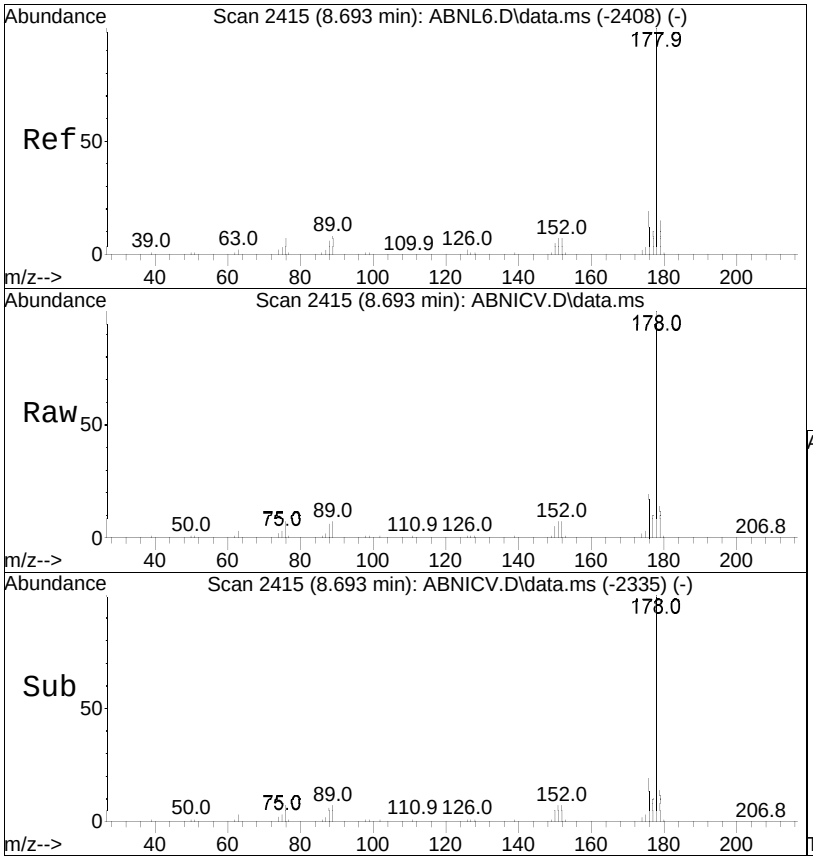


#91
Phenanthrene
Concen: 4.41 ug/ml
RT: 8.646 min Scan# 2400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 199979

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.8	15.4	23.2

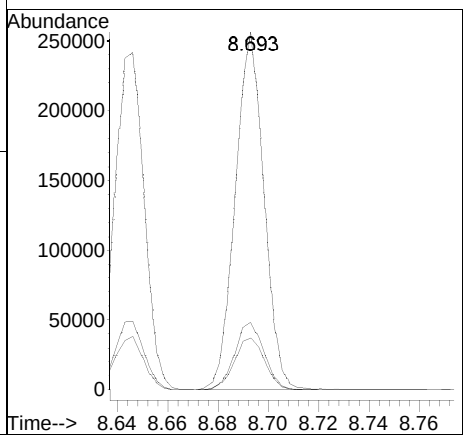


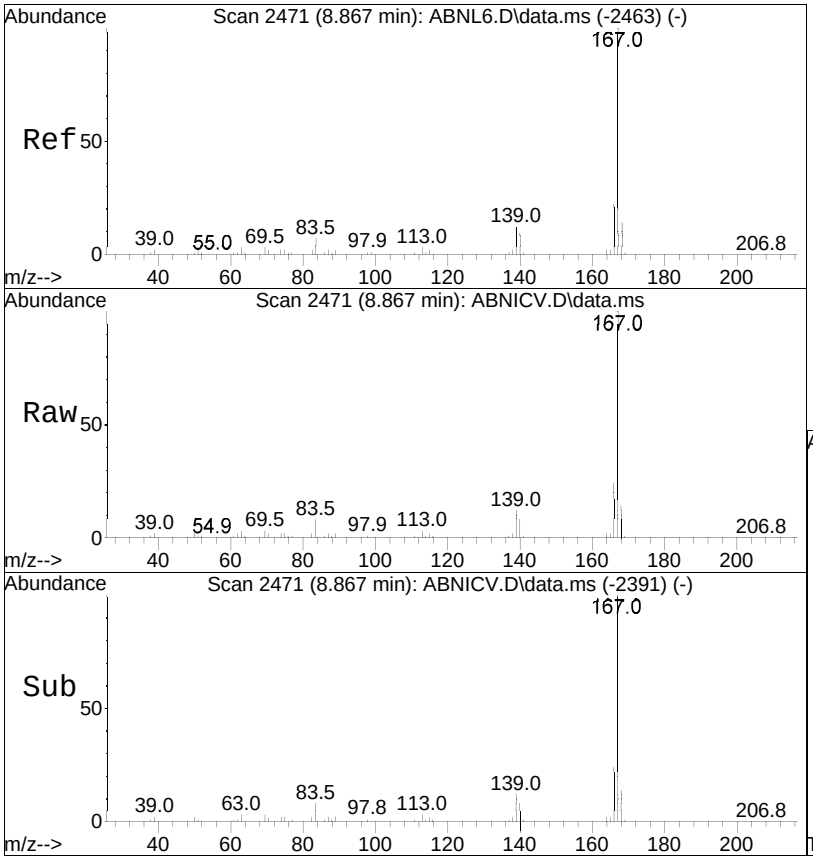


#92
Anthracene
Concen: 4.57 ug/ml
RT: 8.693 min Scan# 2415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 203231

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.2	14.6	22.0

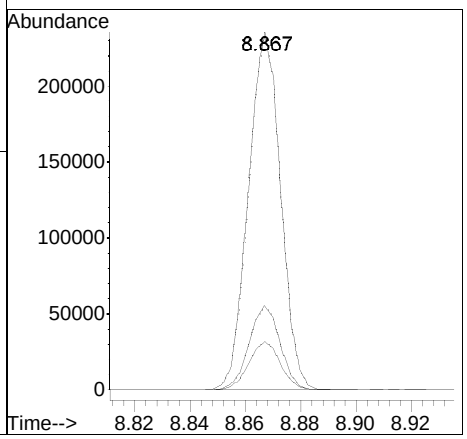


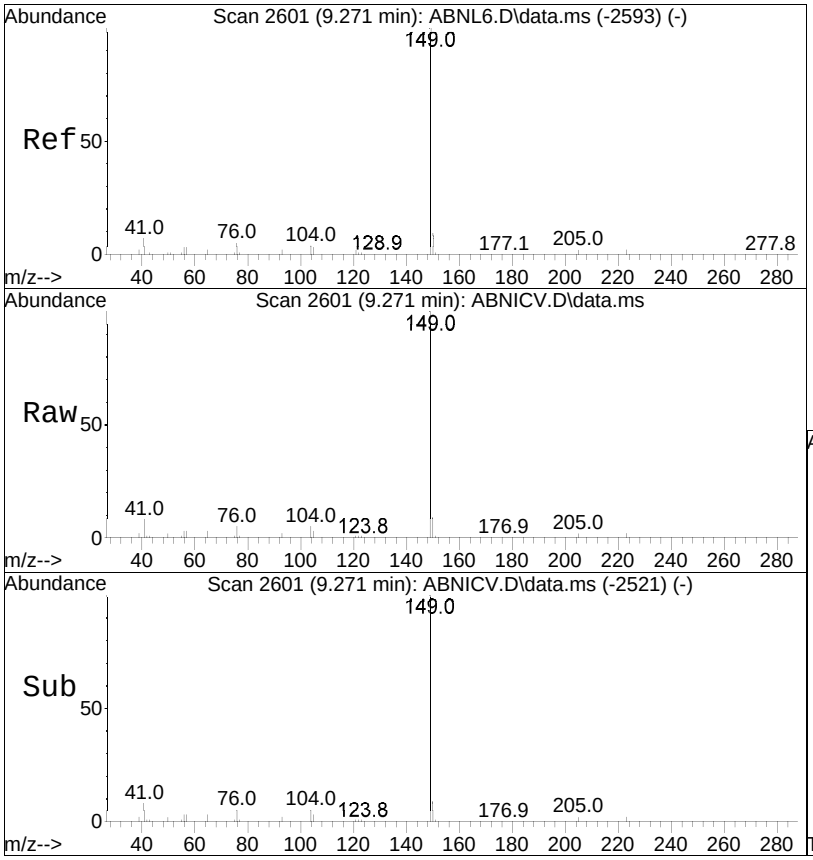


#93
Carbazole
Concen: 4.61 ug/ml
RT: 8.867 min Scan# 2471
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:167 Resp: 188138

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.9	17.4	26.0

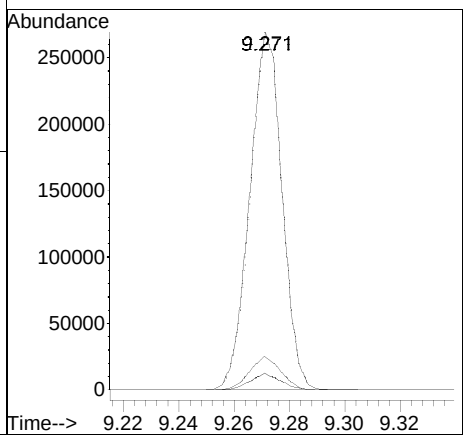


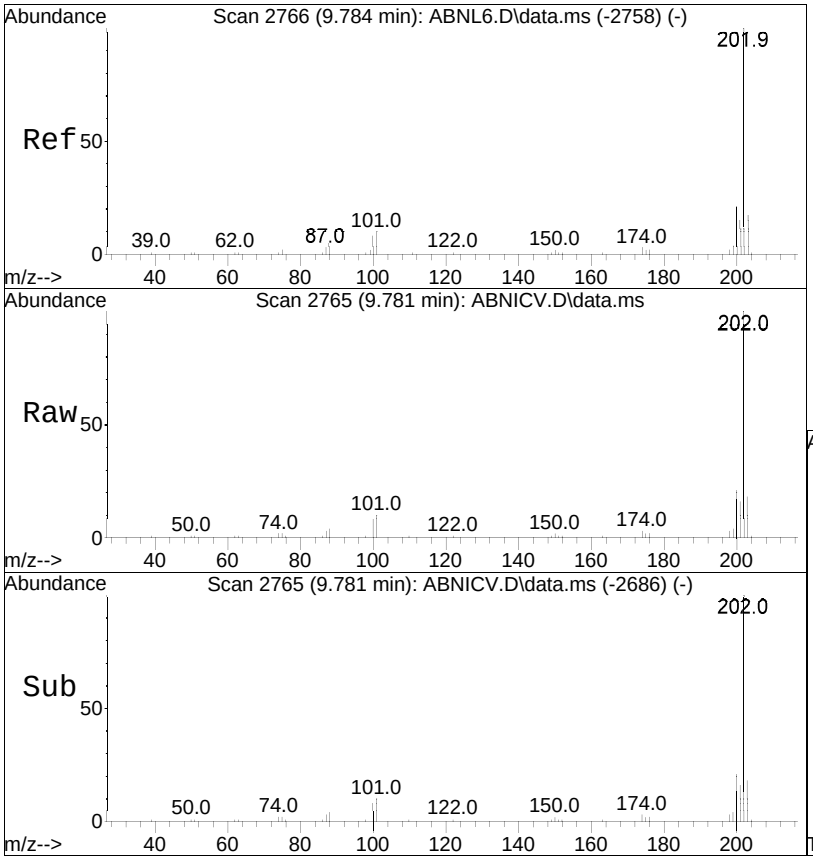


#94
Di-n-butylphthalate
Concen: 4.64 ug/ml
RT: 9.271 min Scan# 2601
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 214371

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.4	4.5	6.7#

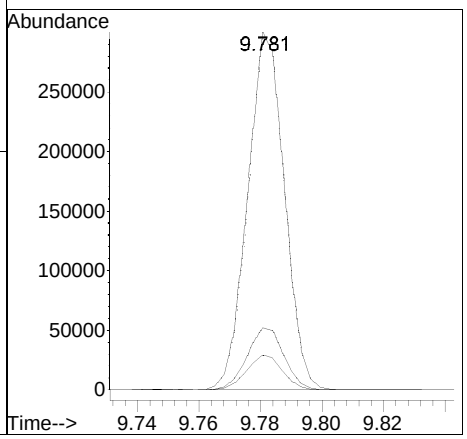


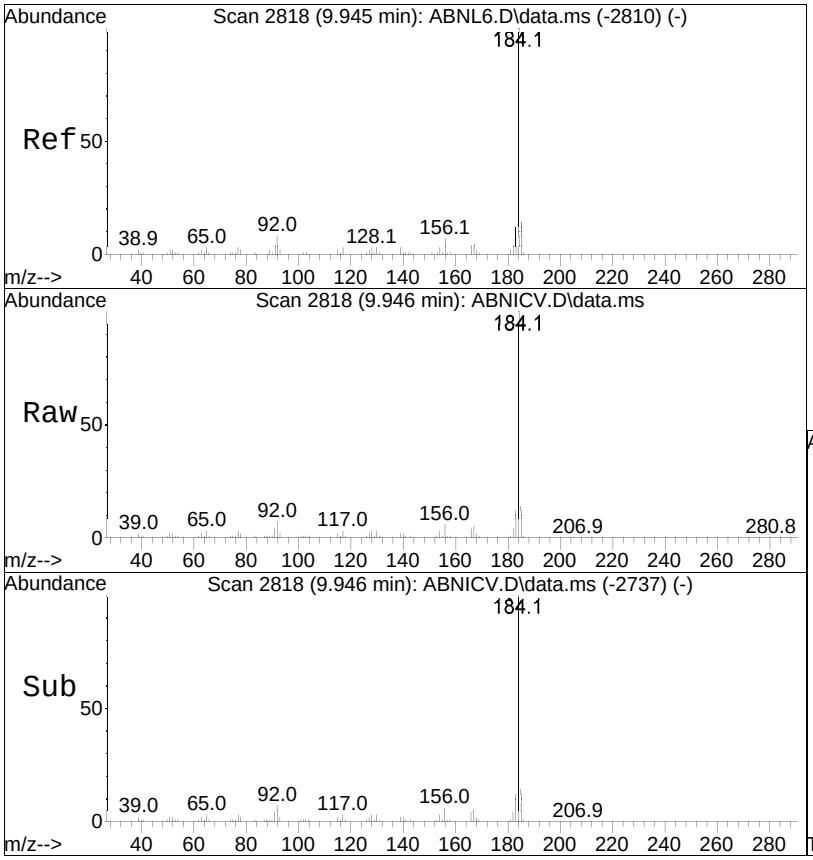


#95
Fluoranthene
Concen: 4.53 ug/ml
RT: 9.781 min Scan# 2765
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 246949

Ion	Ratio	Lower	Upper
202	100		
101	9.5	13.5	20.3#
203	17.5	13.6	20.4

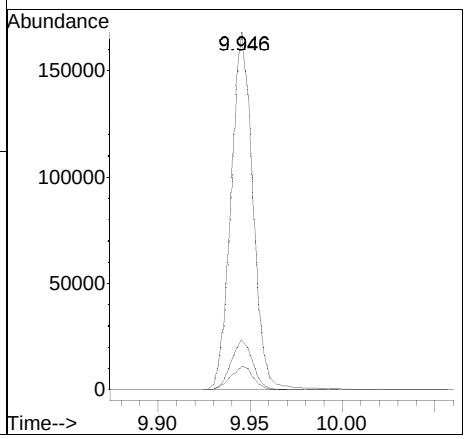


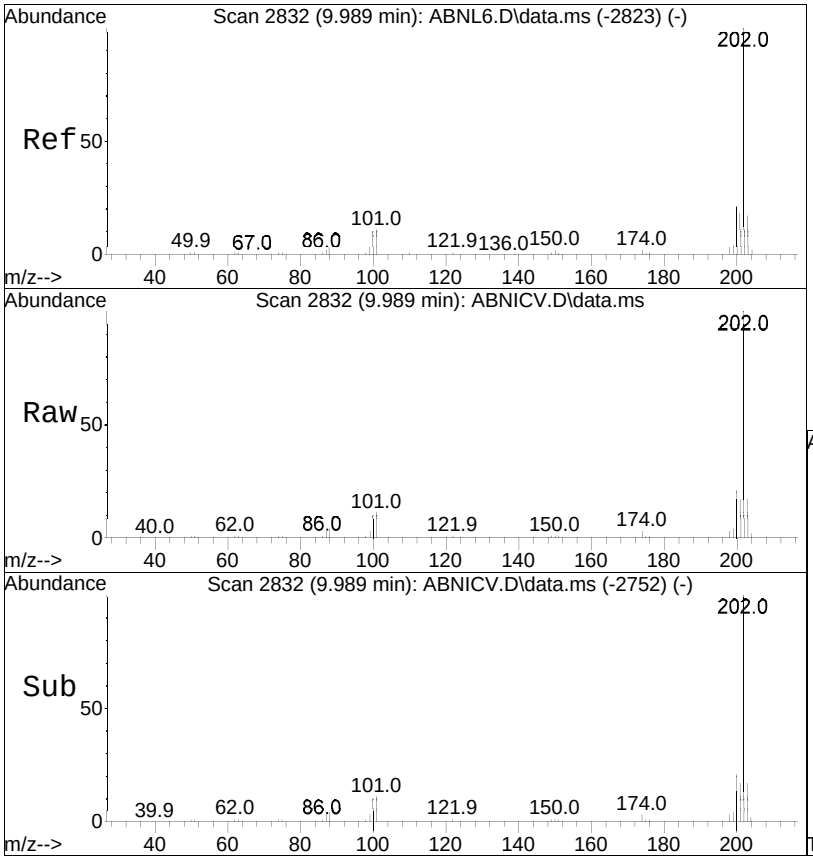


#96
Benzidine
Concen: 4.63 ug/ml
RT: 9.946 min Scan# 2818
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 136878

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	13.9	11.1	16.7

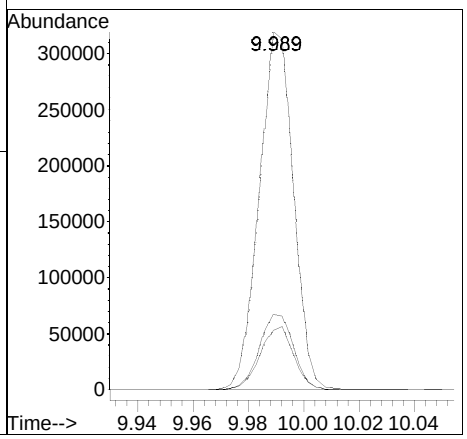


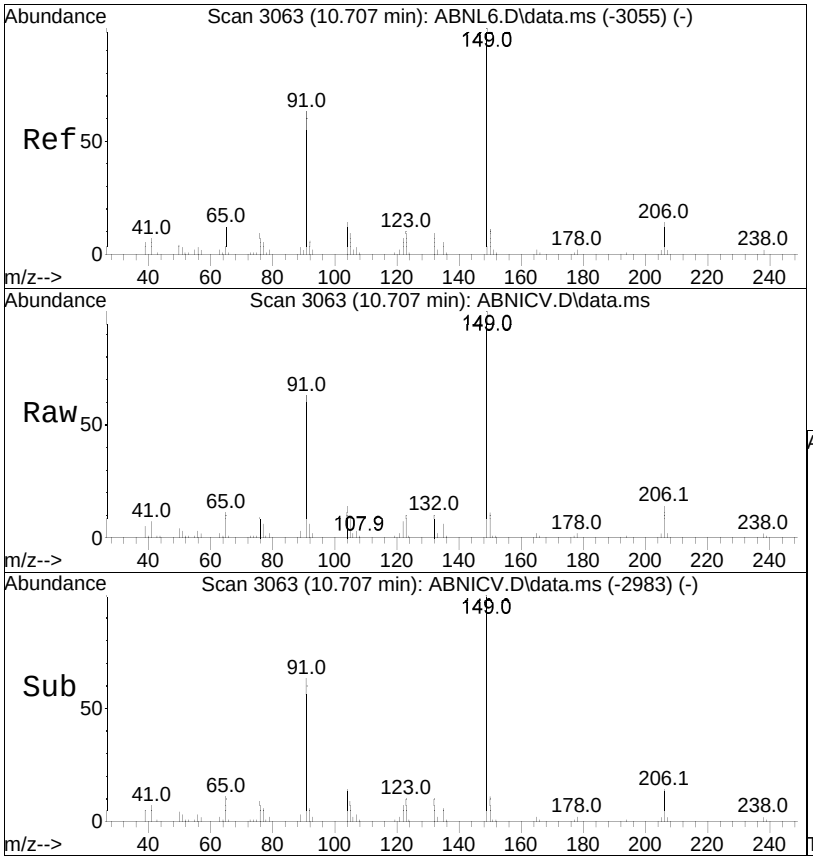


#97
Pyrene
Concen: 4.67 ug/ml
RT: 9.989 min Scan# 2832
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 272087

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

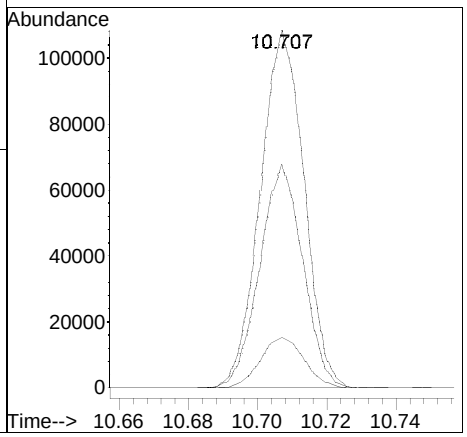


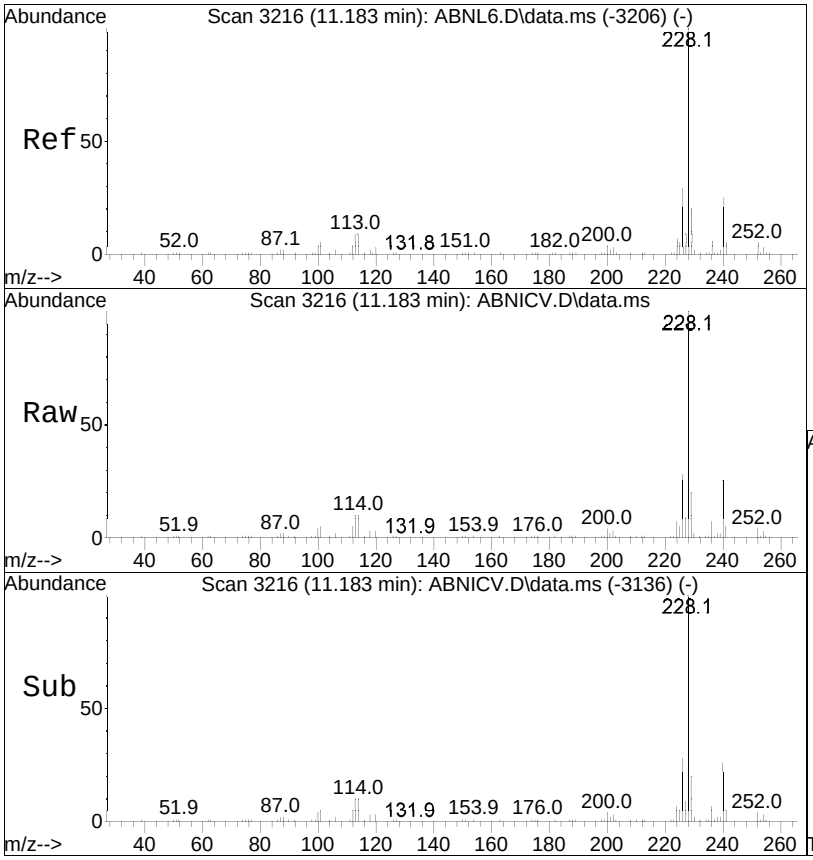


#99
Butyl benzyl phthalate
Concen: 4.75 ug/ml
RT: 10.707 min Scan# 3063
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 94148

Ion	Ratio	Lower	Upper
149	100		
91	61.9	63.3	94.9#
206	14.3	13.9	20.9

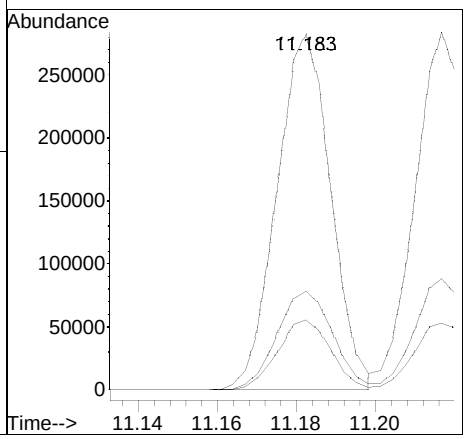


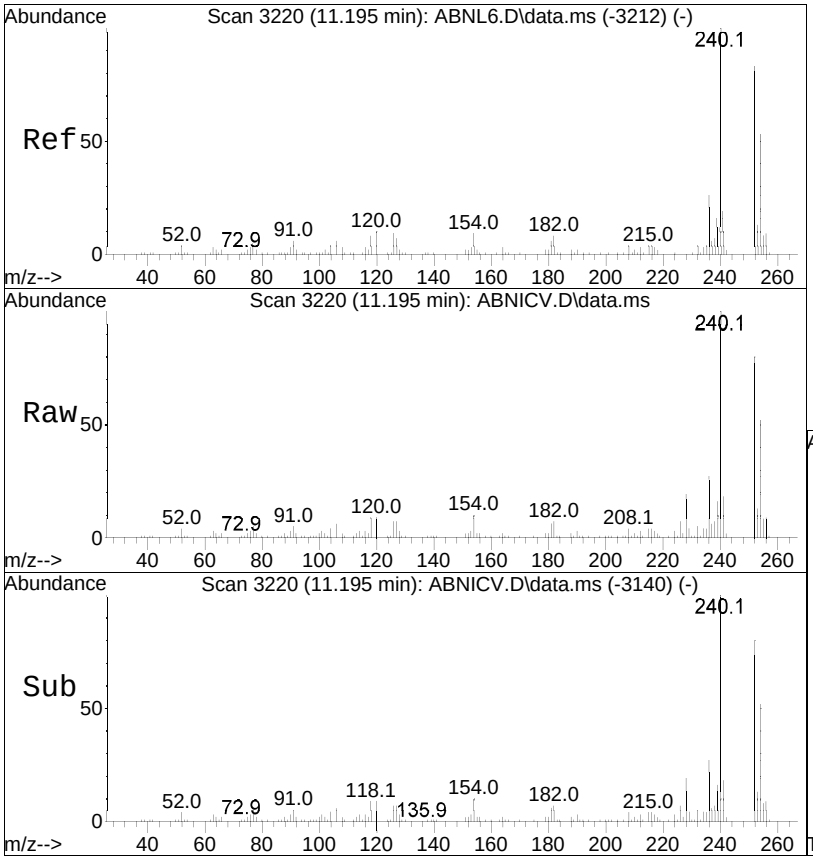


#107
Benzo(a)anthracene
Concen: 4.44 ug/ml
RT: 11.183 min Scan# 3216
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 267033

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	19.5	15.6	23.4

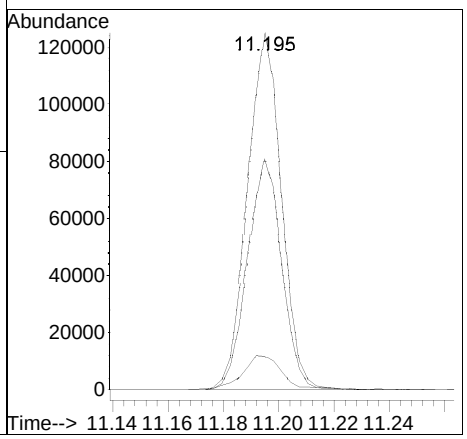


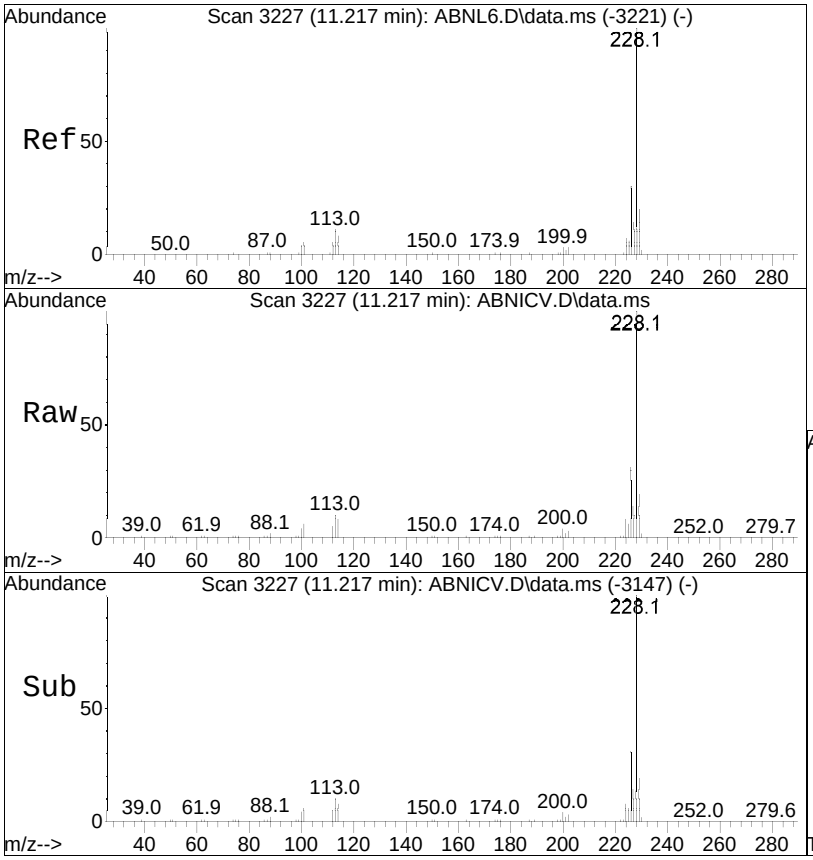


#108
3,3'-Dichlorobenzidine
Concen: 4.76 ug/ml
RT: 11.195 min Scan# 3220
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 106445

Ion	Ratio	Lower	Upper
252	100		
126	11.4	14.5	21.7#
254	65.3	51.2	76.8

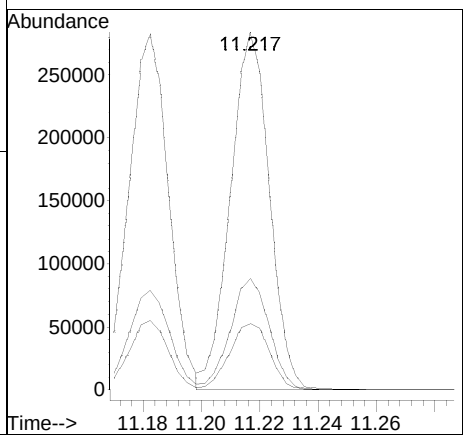


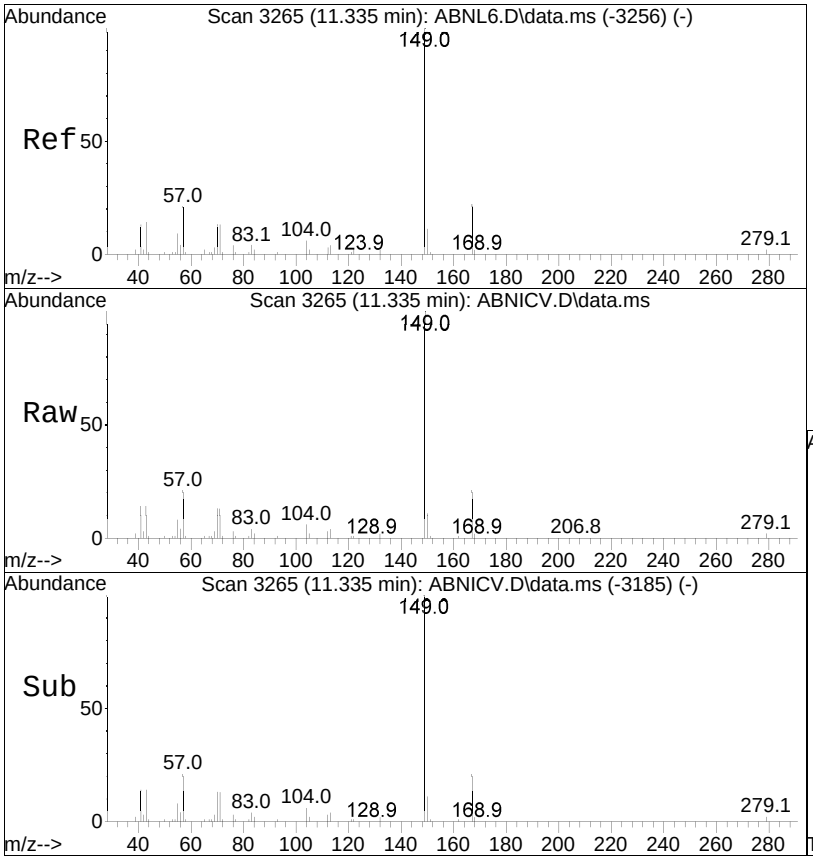


#109
Chrysene
Concen: 4.40 ug/ml
RT: 11.217 min Scan# 3227
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 263085

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	19.4	15.8	23.8

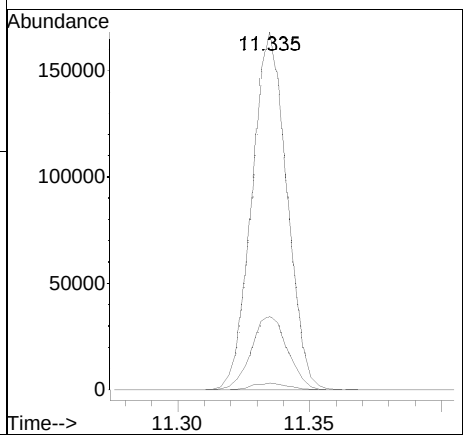


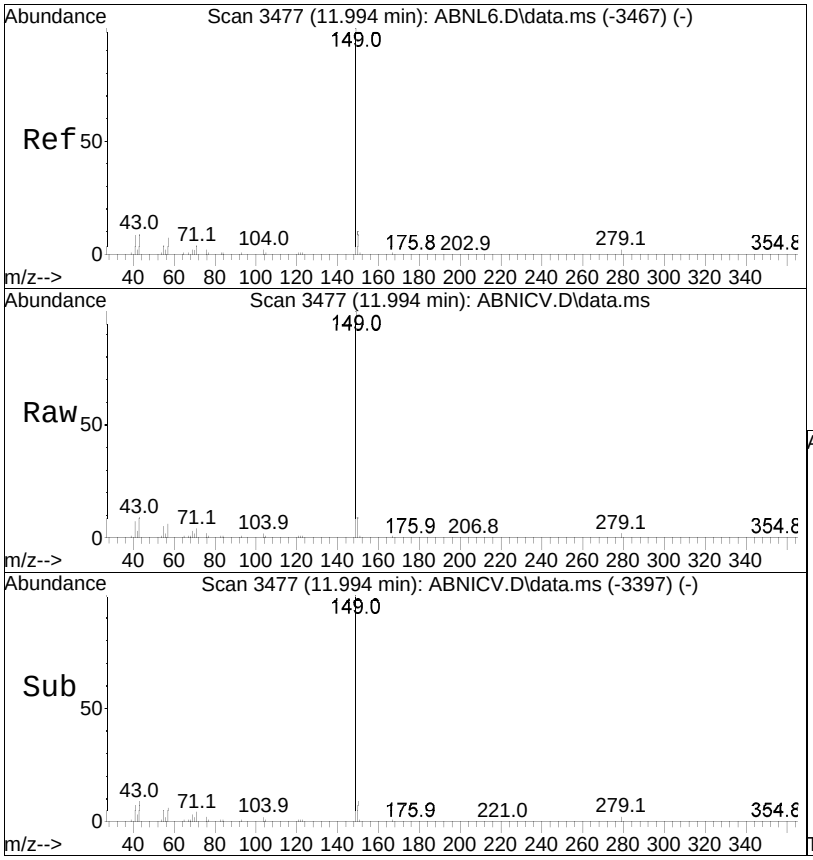


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 11.335 min Scan# 3265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 152756

Ion	Ratio	Lower	Upper
149	100		
167	21.5	22.1	33.1#
279	1.9	3.0	4.4#

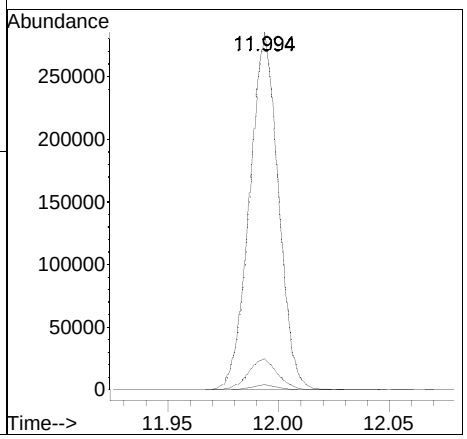


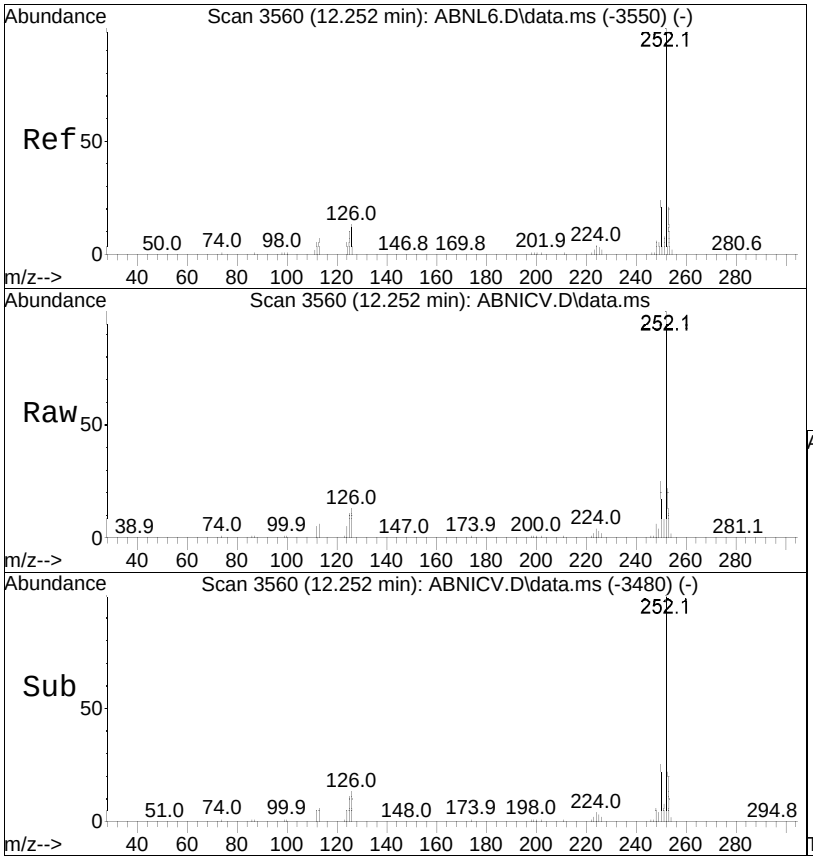


#111
Di-n-octylphthalate
Concen: 4.75 ug/ml
RT: 11.994 min Scan# 3477
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 254994

Ion	Ratio	Lower	Upper
149	100		
43	8.9	18.8	28.2#
167	1.2	1.3	1.9#

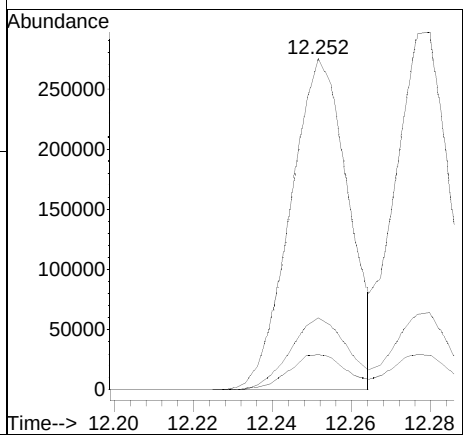


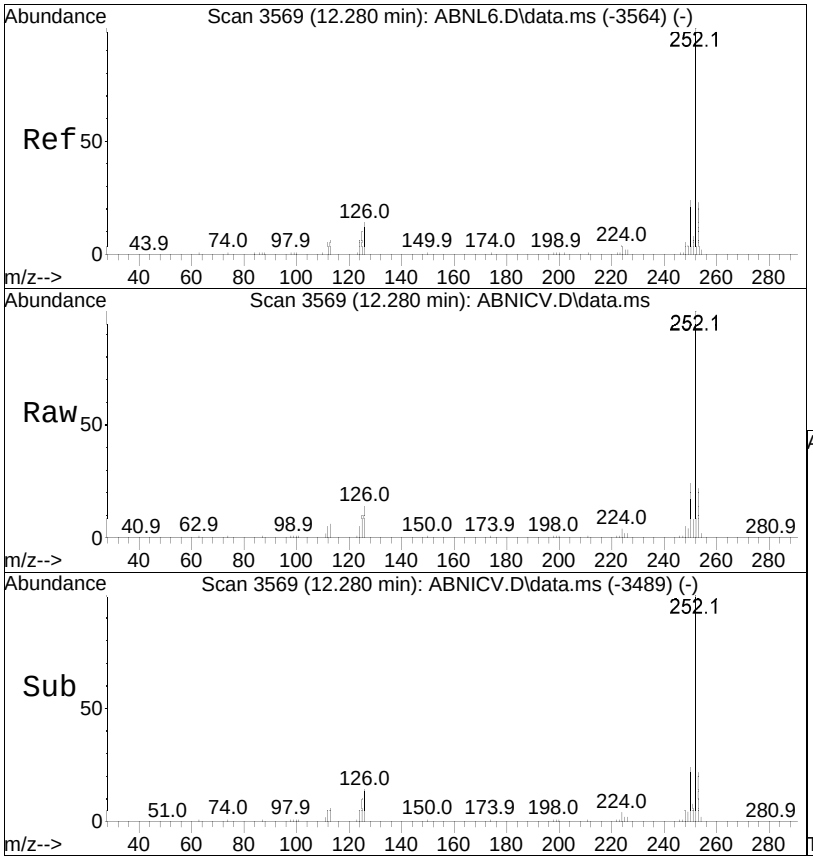


#112
Benzo(b)fluoranthene
Concen: 4.49 ug/ml
RT: 12.252 min Scan# 3560
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 282392

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.3	19.9#
253	21.6	17.1	25.7

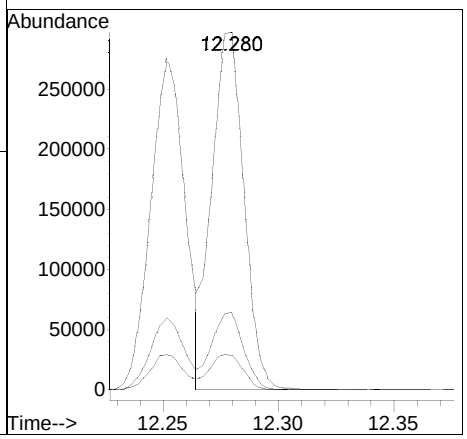


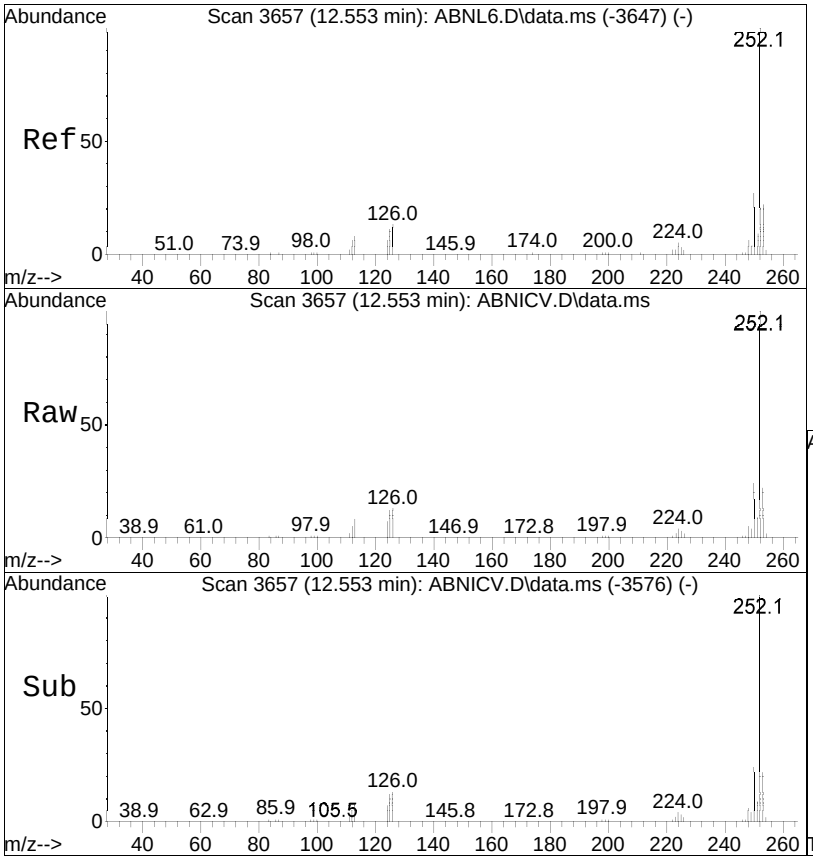


#113
Benzo(k)fluoranthene
Concen: 4.71 ug/ml
RT: 12.280 min Scan# 3569
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 288769

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.0	19.6#
253	21.4	16.8	25.2

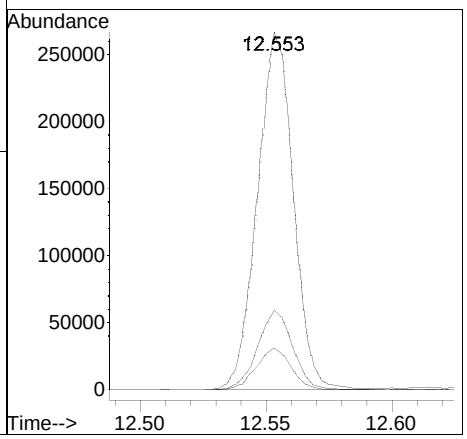


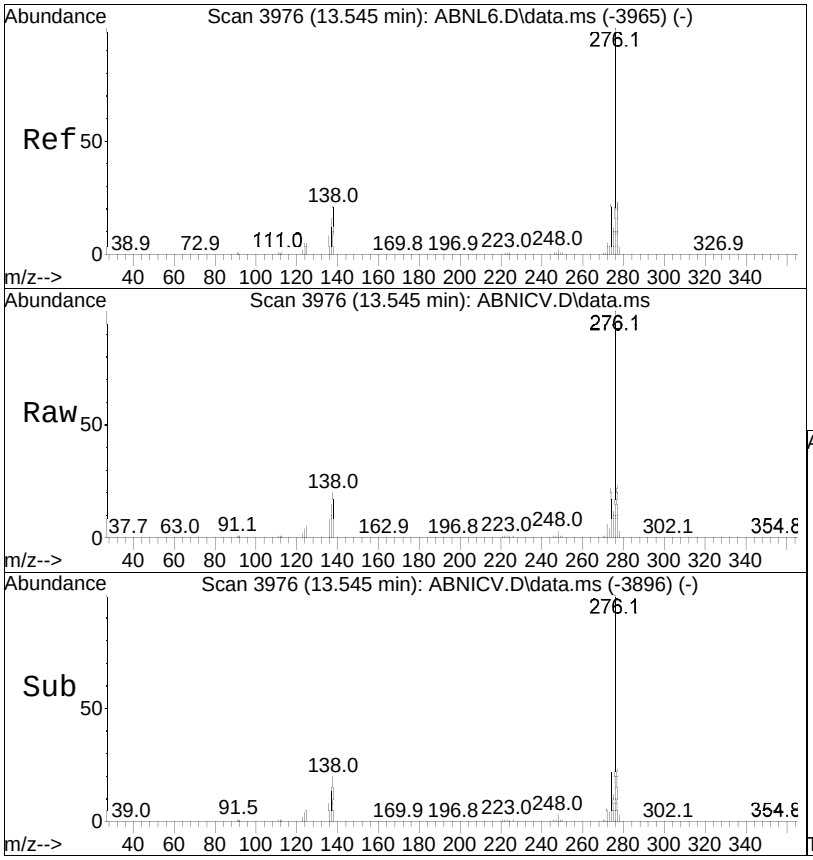


#114
Benzo(a)pyrene
Concen: 4.67 ug/ml
RT: 12.553 min Scan# 3657
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 262323

Ion	Ratio	Lower	Upper
252	100		
125	11.6	14.2	21.2#
253	21.9	16.9	25.3

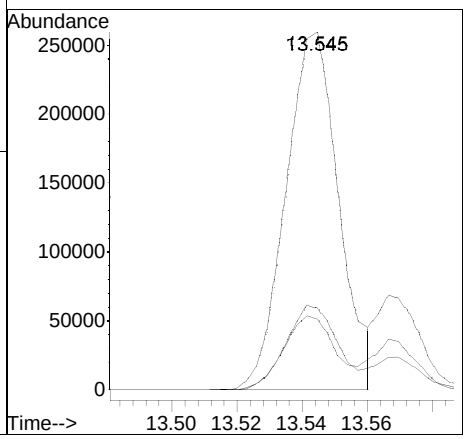


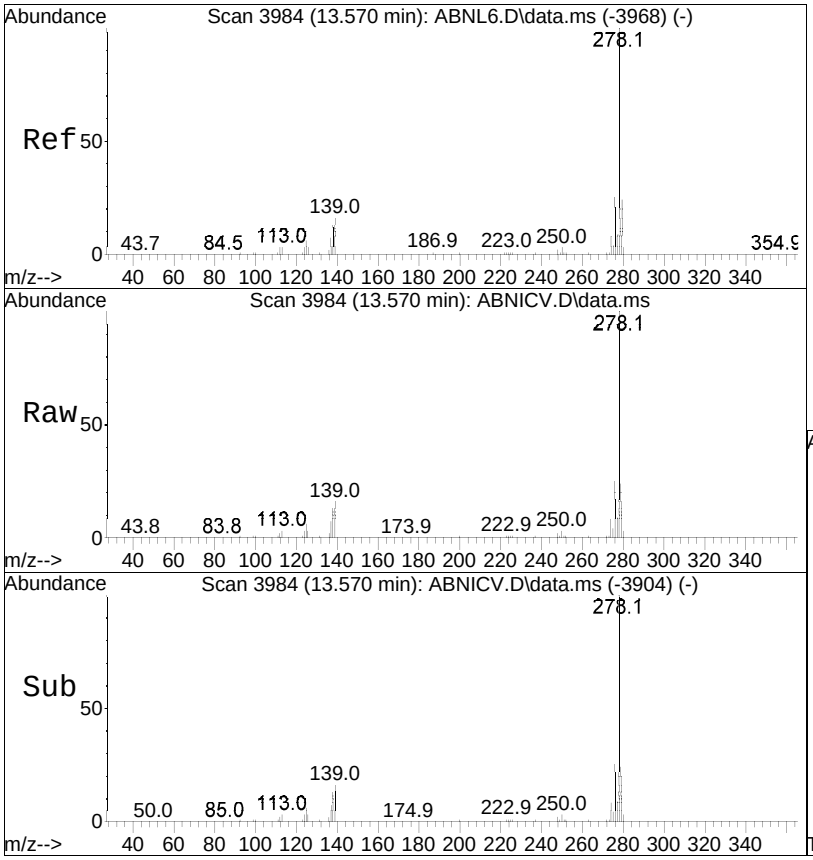


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.58 ug/mL
RT: 13.545 min Scan# 3976
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 292191

Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.1	37.7#
277	23.1	18.6	28.0

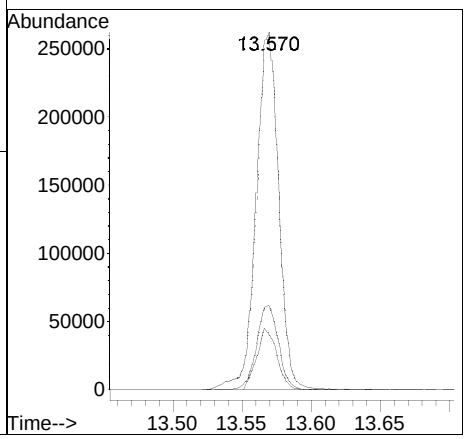


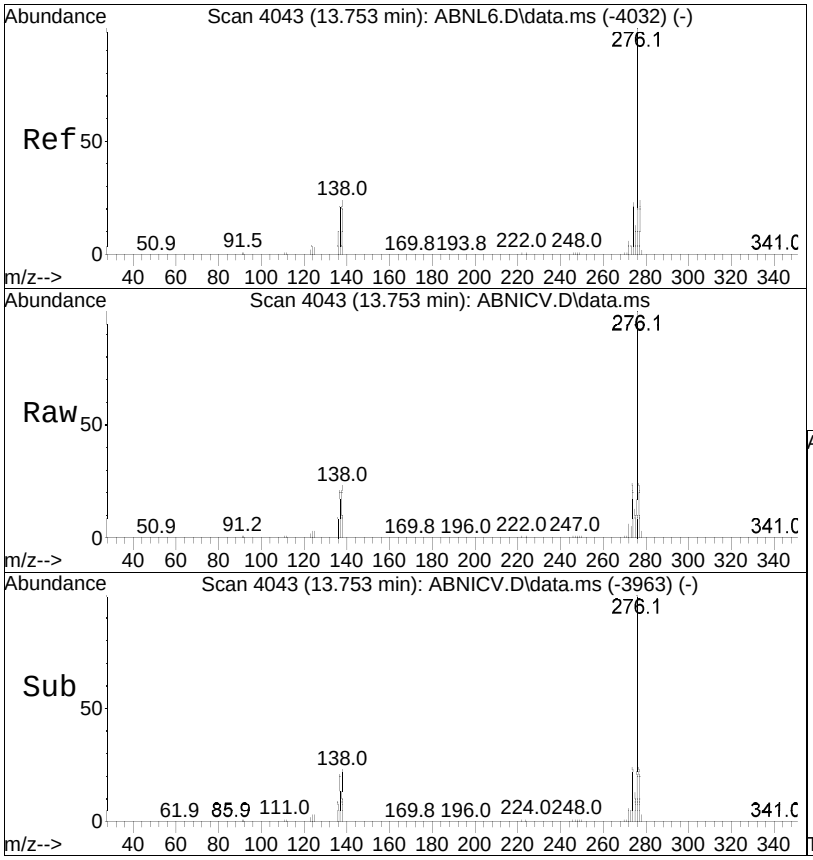


#117
Dibenzo(a,h)anthracene
Concen: 4.67 ug/ml
RT: 13.570 min Scan# 3984
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:278 Resp: 293099

Ion	Ratio	Lower	Upper
278	100		
139	15.6	20.8	31.2#
279	23.3	18.3	27.5

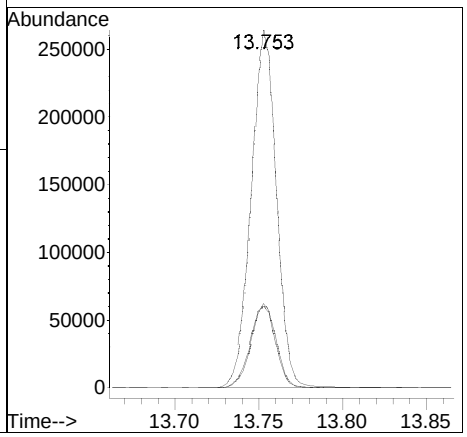




#118
Benzo(ghi)perylene
Concen: 4.45 ug/ml
RT: 13.753 min Scan# 4043
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 274527

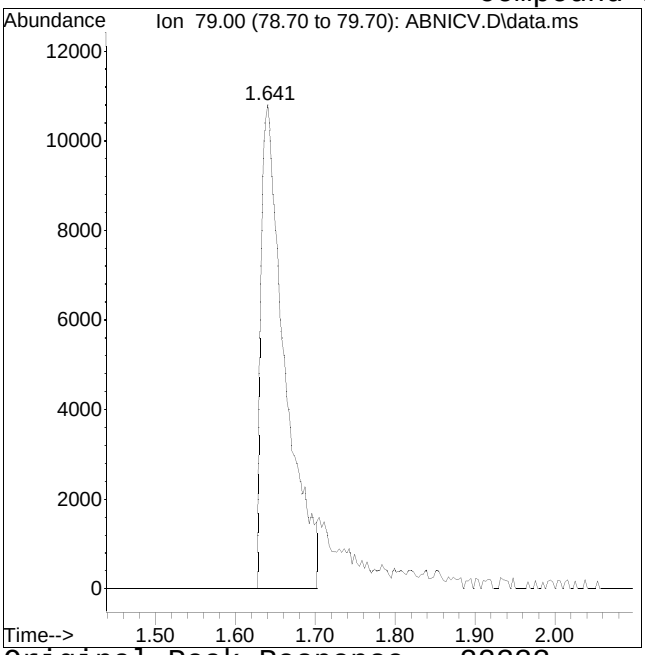
Ion	Ratio	Lower	Upper
276	100		
138	23.4	29.2	43.8#
277	23.6	18.8	28.2



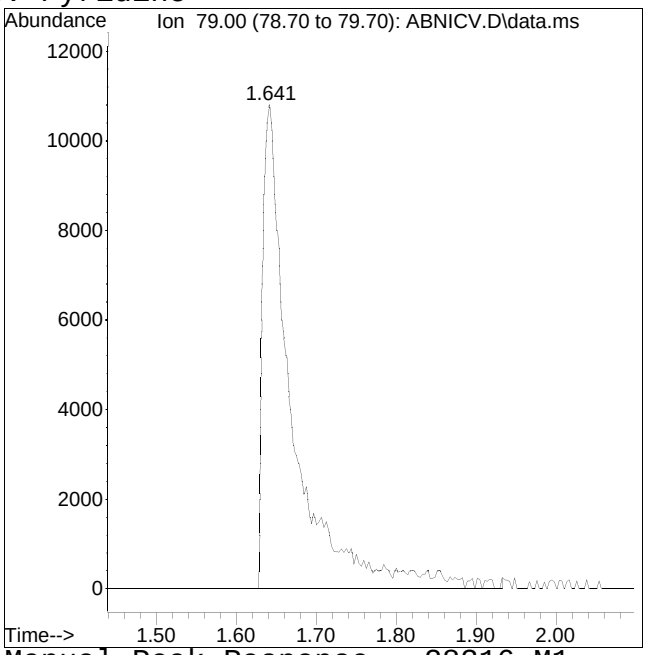
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNICV.D
Date Inj'd : 11/5/2024 11:59 pm
Sample : CQICV1,32,,ABNICV Lot# 111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/11/2024 3:35 pm

Compound #3: Pyridine



Original Peak Response = 22333



Manual Peak Response = 28316 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
28	T	Benzaldehyde	0.703	0.766	-9.0	102	0.00
29	T	Acetophenone	1.403	1.539	-9.7	107	0.00
30	T	m-Toluidine	1.287	1.347	-4.7	103	0.00
31	T	2-Chloroaniline	1.368	1.507	-10.2	107	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	105	0.00
58	T	a-Terpineol	0.221	0.239	-8.1	107	0.00
59	T	3-Chloroaniline	0.115	0.123	-7.0	103	0.00
60	T	2,6-Dichlorophenol	0.296	0.316	-6.8	104	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.122	-8.0	102	0.00
62	T	Caprolactam	0.123	0.131	-6.5	109	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.446	-8.0	108	0.00
64	T	Biphenyl	0.842	0.904	-7.4	106	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
86	T	Dichloran	0.169	0.181	-7.1	112	0.00
87	T	Pentachloronitrobenzene	0.187	0.195	-4.3	111	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101	T	Diphenamid	0.416	0.467	-12.3	110	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28764	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.49%		
57) IS2_Naphthalene-d8	5.519	136	103898	4.000	ug/ml	0.00
Standard Area 1 = 98544			Recovery =	105.43%		
85) IS2_Acenaphthene-d10	7.210	164	66081	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	102.67%		
100) IS2_Phenanthrene-d10	8.621	188	145261	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.94%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	27551	5.446	ug/ml	95
29) Acetophenone	4.693	105	55323	5.482	ug/ml#	80
30) m-Toluidine	4.780	106	48432	5.234	ug/ml	94
31) 2-Chloroaniline	5.134	127	54178	5.507	ug/ml#	90
58) a-Terpineol	5.588	59	30996	5.390	ug/ml#	78
59) 3-Chloroaniline	5.600	65	15940	5.355	ug/ml	85
60) 2,6-Dichlorophenol	5.625	162	41042	5.346	ug/ml#	83
61) 1-chloro-2-nitrobenzene	5.877	111	15818	5.368	ug/ml#	1
62) Caprolactam	5.914	55	17075	5.349	ug/ml#	71
63) 1,2,4,5-Tetrachloroben...	6.387	216	57983	5.406	ug/ml#	94
64) Biphenyl	6.679	154	117373	5.369	ug/ml	97
86) Dichloran	8.332	206	14931	5.349	ug/ml#	56
87) Pentachloronitrobenzene	8.478	237	16109	5.227	ug/ml#	75
101) Diphenamid	9.535	167	84796	5.614	ug/ml#	75

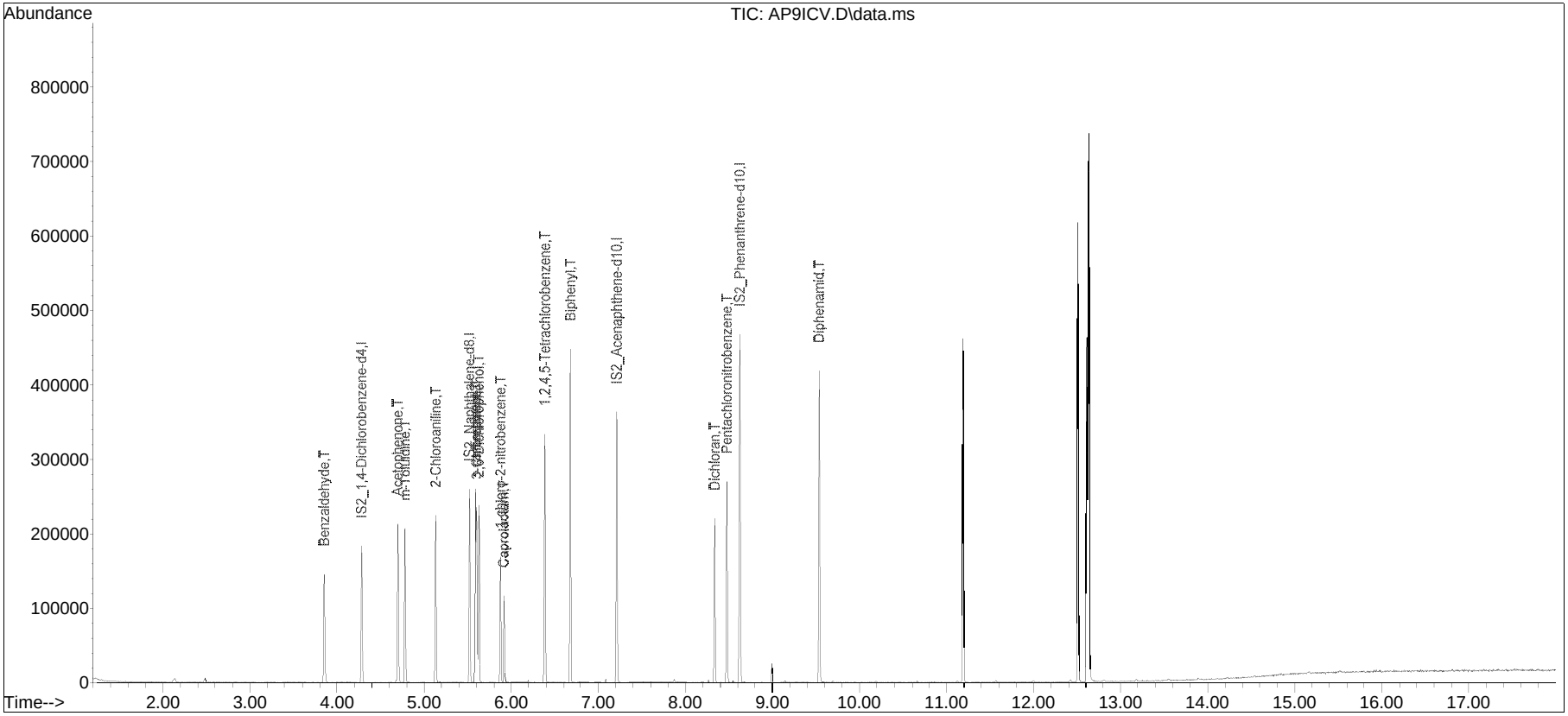
(#) = qualifier out of range (m) = manual integration (+) = signals summed

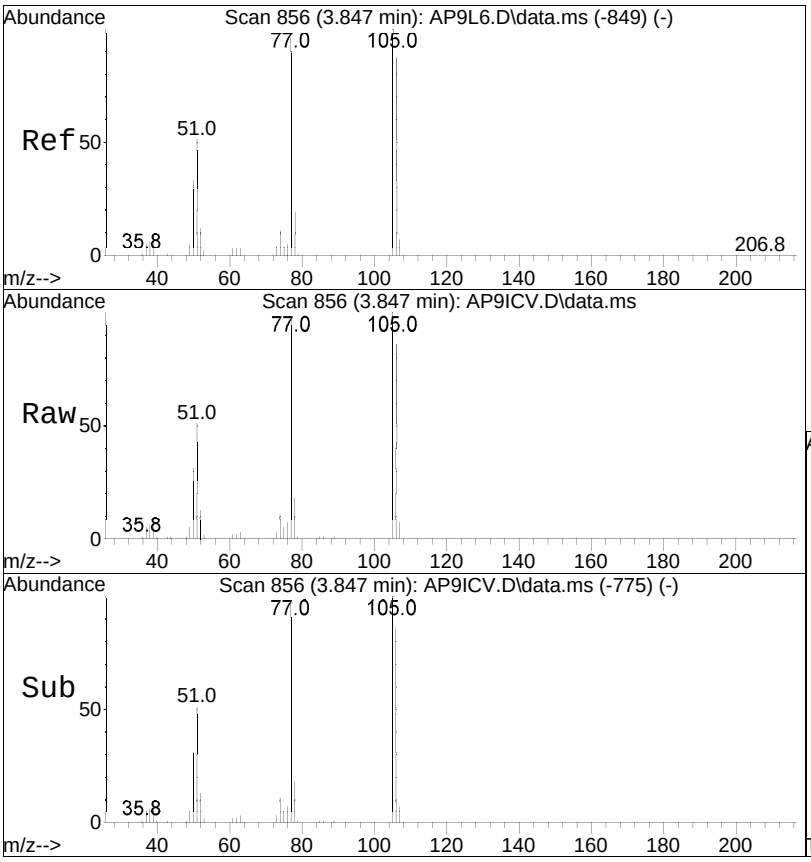
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

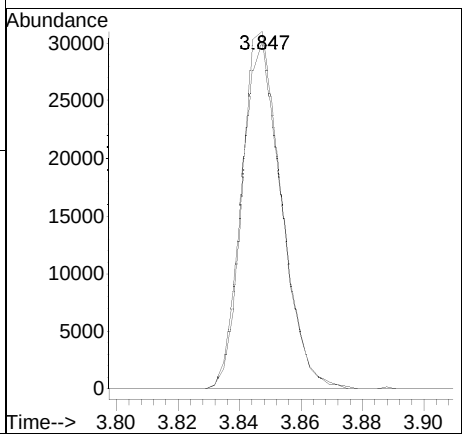


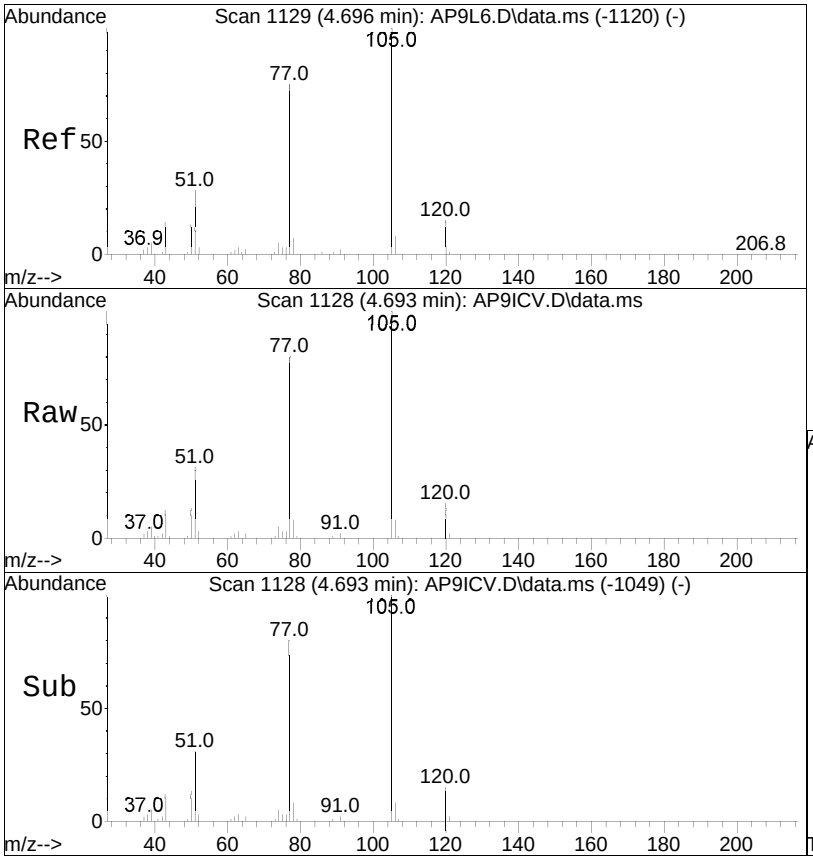


#28
Benzaldehyde
Concen: 5.45 ug/ml
RT: 3.847 min Scan# 856
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 27551

Ion	Ratio	Lower	Upper
105	100		
77	98.2	82.2	123.4

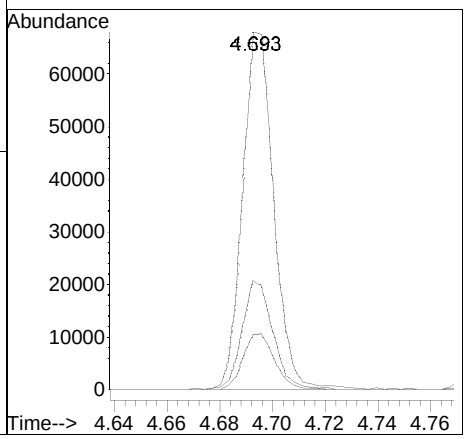


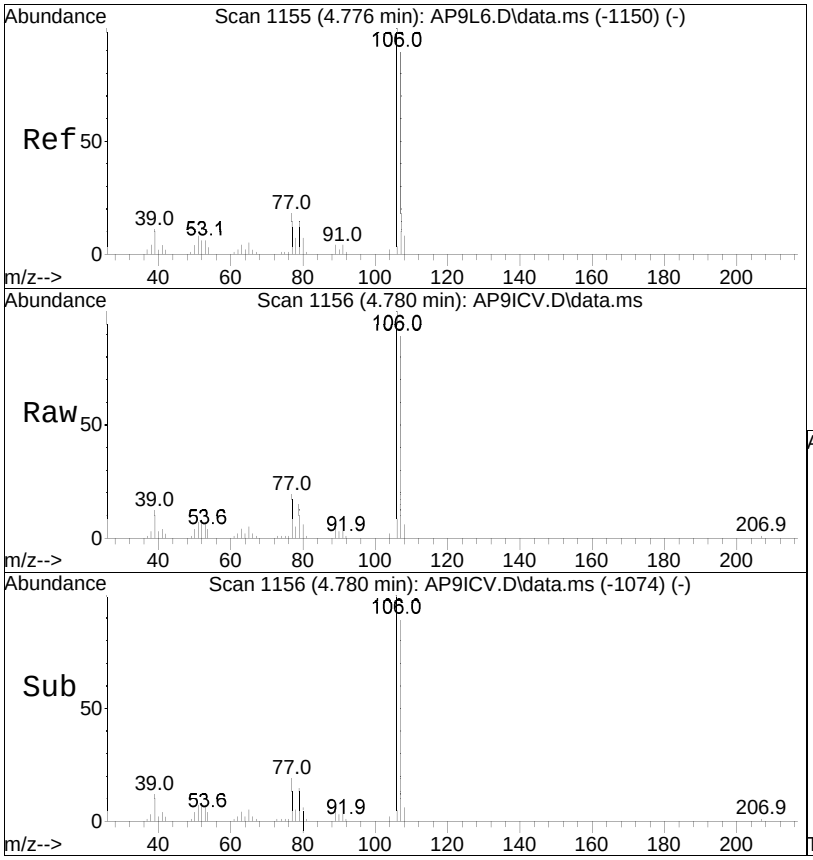


#29
Acetophenone
Concen: 5.48 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 55323

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	30.2	34.9	52.3#

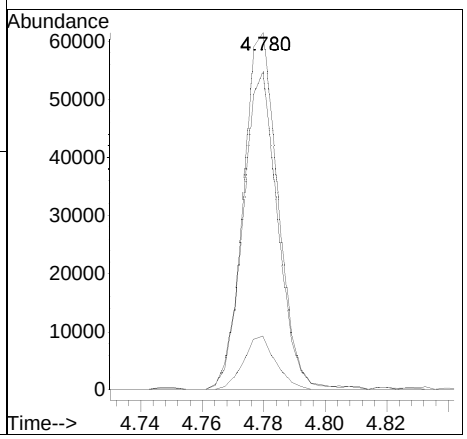


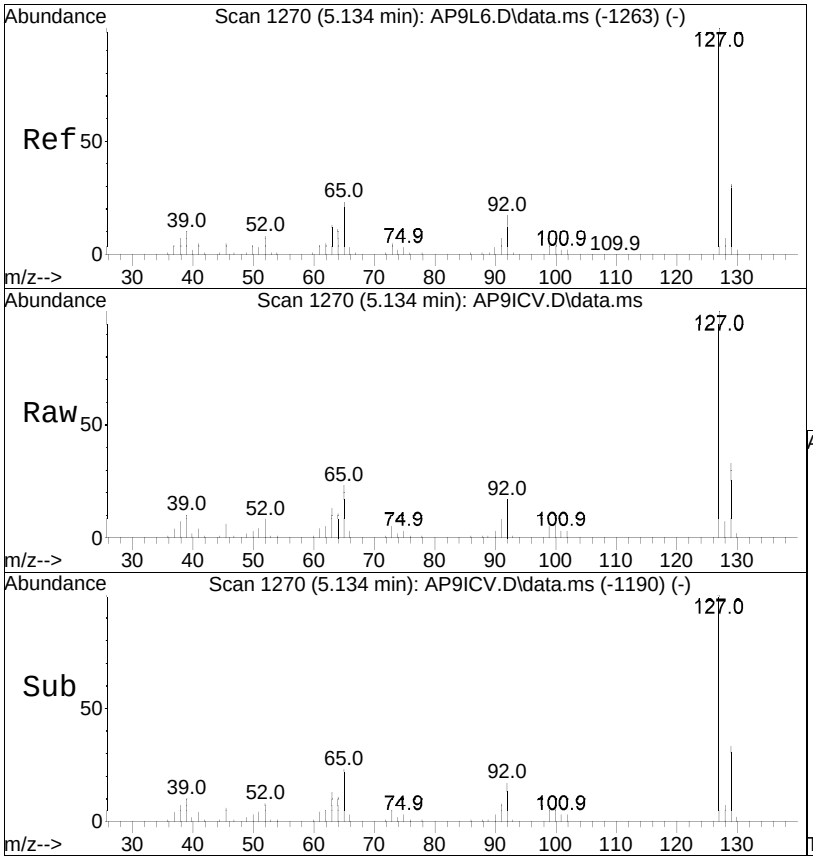


#30
m-Toluidine
Concen: 5.23 ug/ml
RT: 4.780 min Scan# 1156
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:106 Resp: 48432

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	13.8	11.8	17.8

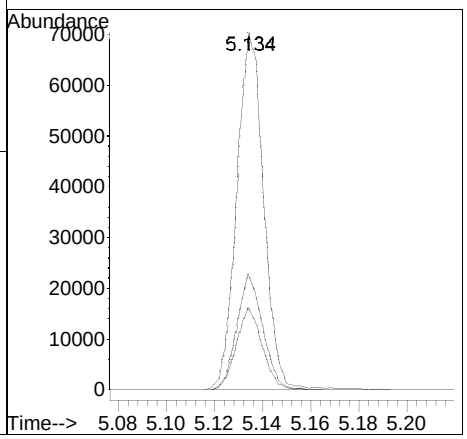


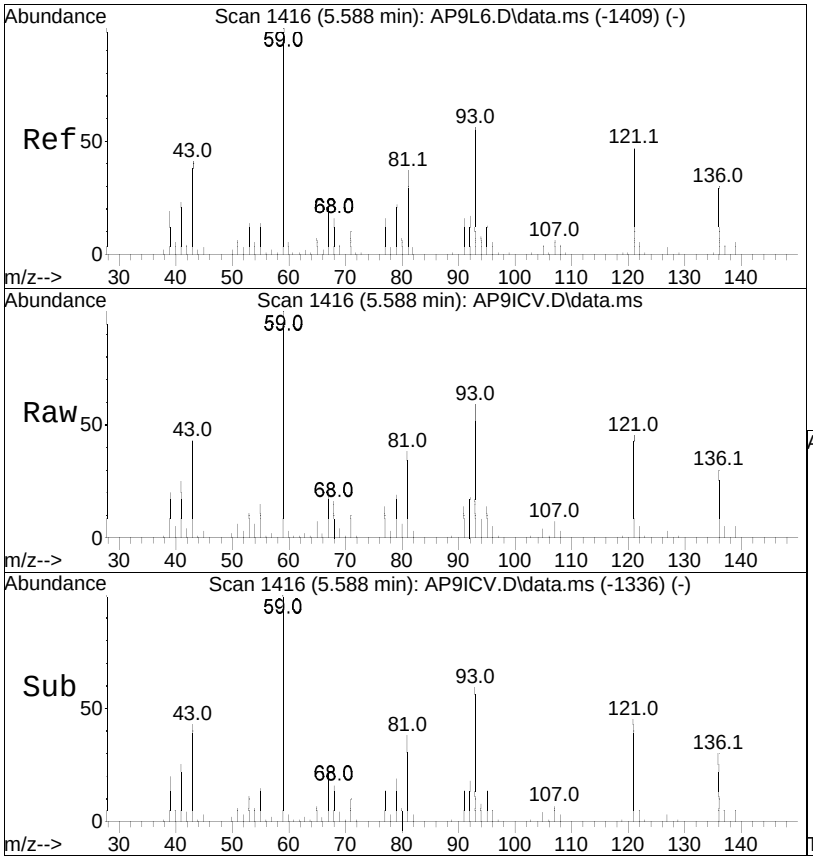


#31
2-Chloroaniline
Concen: 5.51 ug/ml
RT: 5.134 min Scan# 1270
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:127 Resp: 54178

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.9	38.9
65	22.2	26.3	39.5#

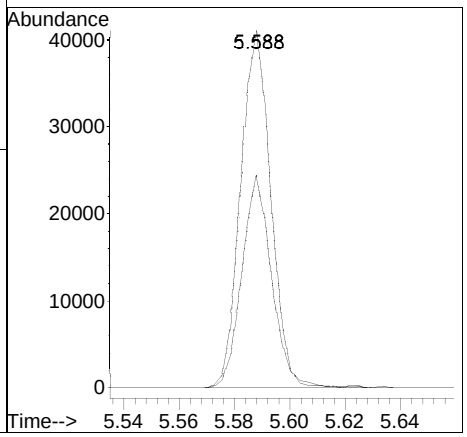


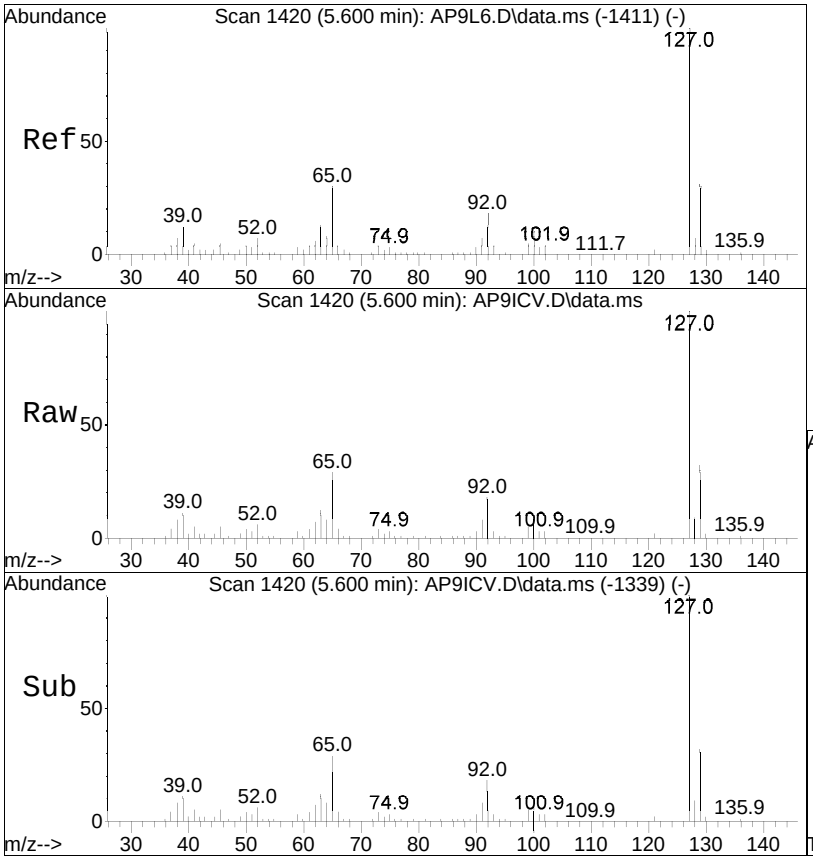


#58
a-Terpineol
Concen: 5.39 ug/ml
RT: 5.588 min Scan# 1416
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 59 Resp: 30996

Ion	Ratio	Lower	Upper
59	100		
93	58.9	35.6	53.4#

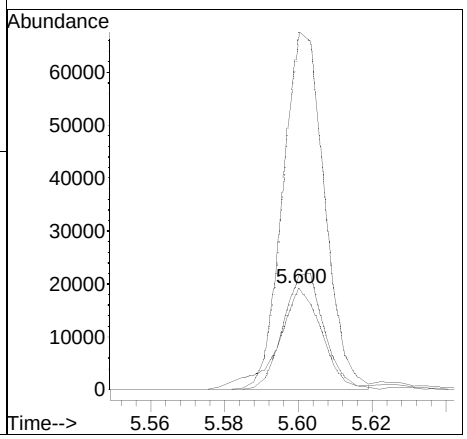


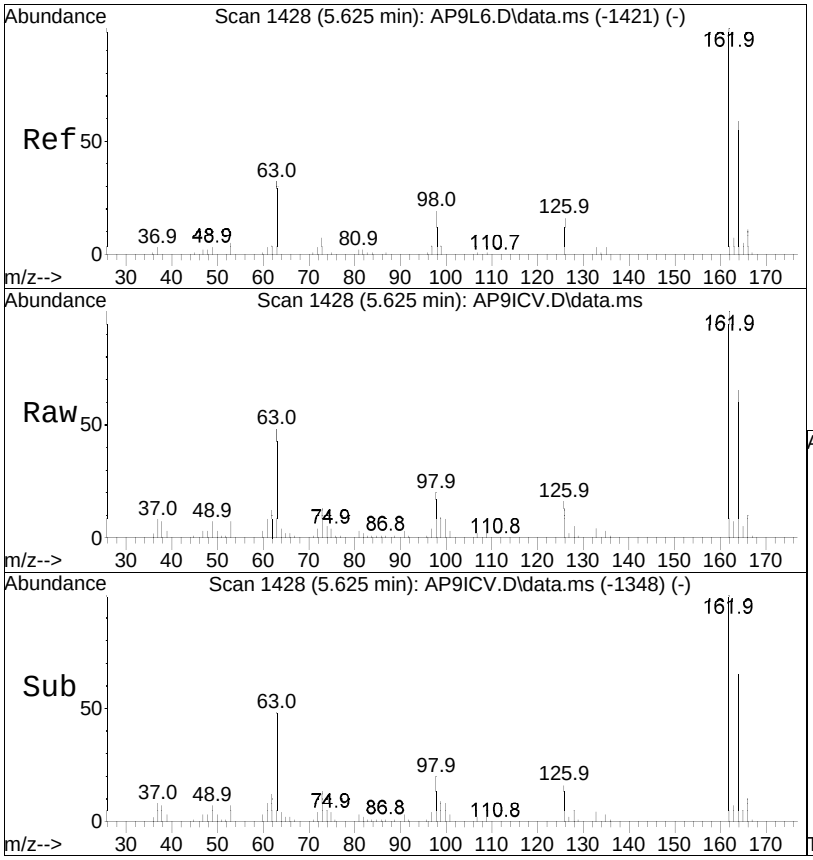


#59
3-Chloroaniline
Concen: 5.36 ug/ml
RT: 5.600 min Scan# 1420
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 65 Resp: 15940

Ion	Ratio	Lower	Upper
65	100		
127	337.6	243.2	364.8
129	105.3	78.8	118.2

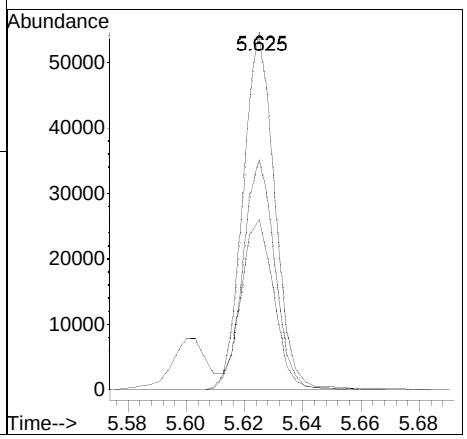


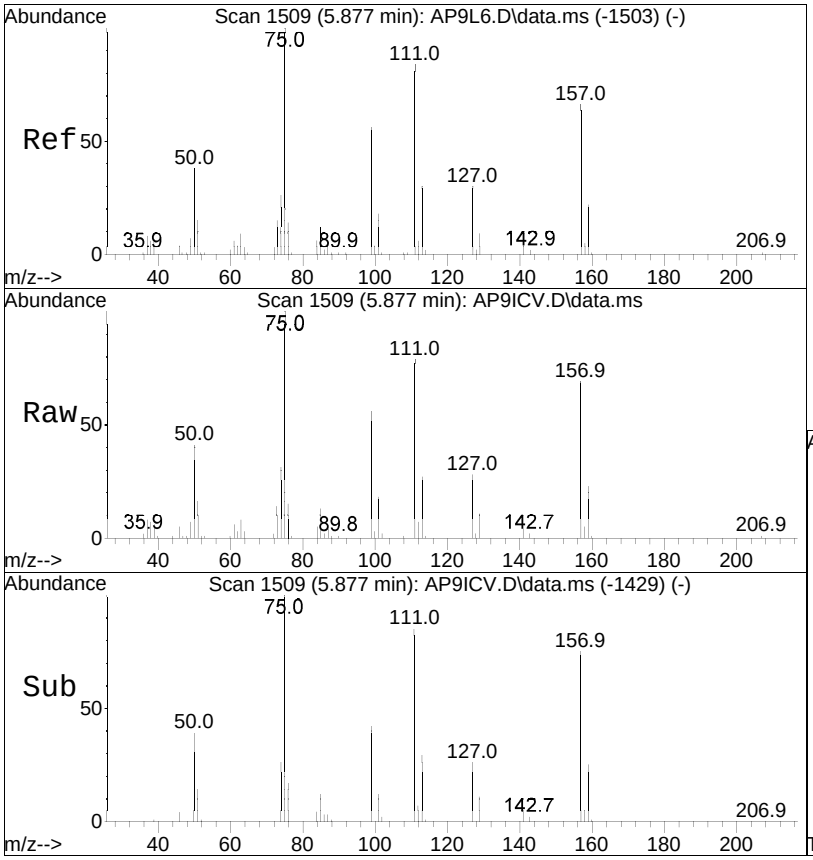


#60
2,6-Dichlorophenol
Concen: 5.35 ug/ml
RT: 5.625 min Scan# 1428
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:162 Resp: 41042

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.1	76.7
63	49.9	60.8	91.2#

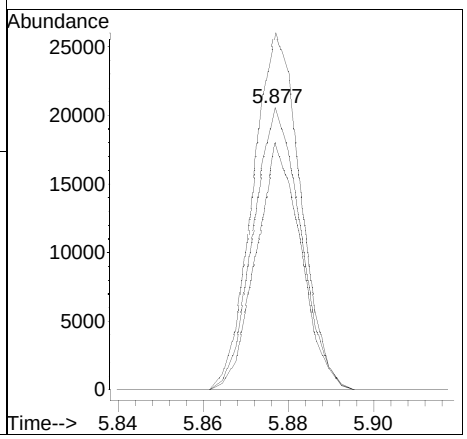


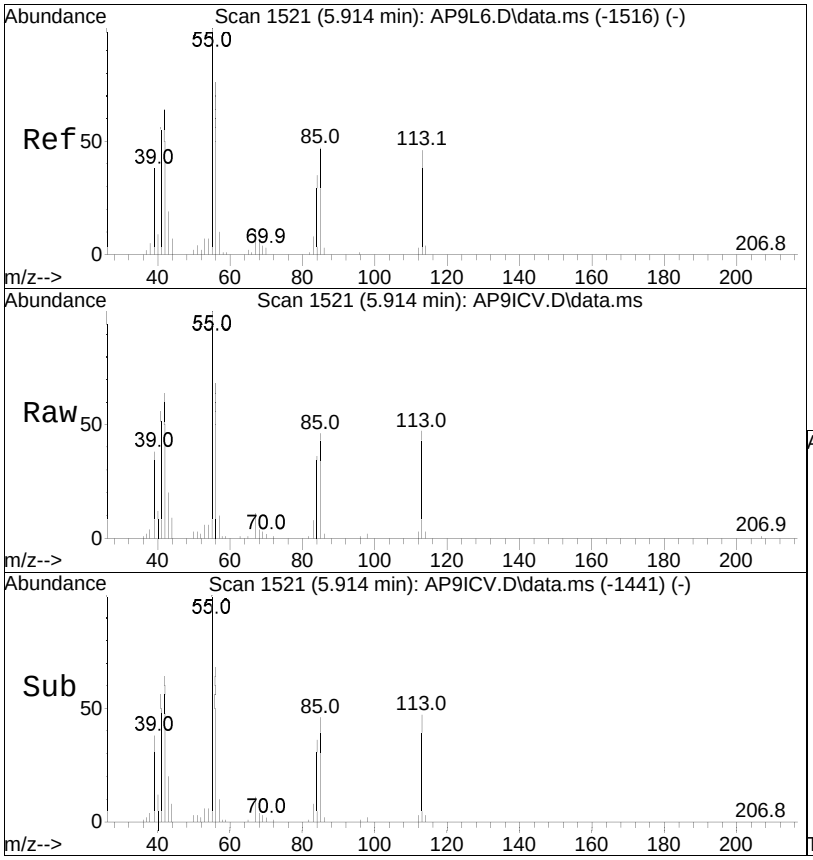


#61
1-chloro-2-nitrobenzene
Concen: 5.37 ug/ml
RT: 5.877 min Scan# 1509
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:111 Resp: 15818

Ion	Ratio	Lower	Upper
111	100		
157	83.1	0.0	0.0#
75	127.9	28.2	42.2#

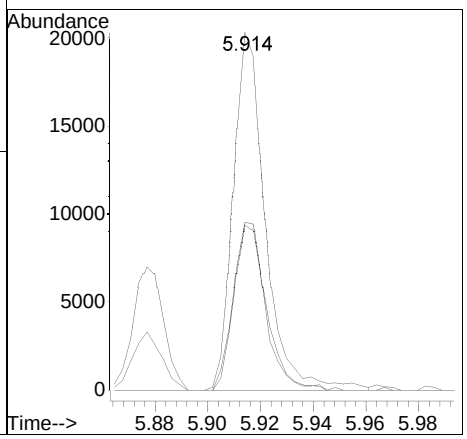


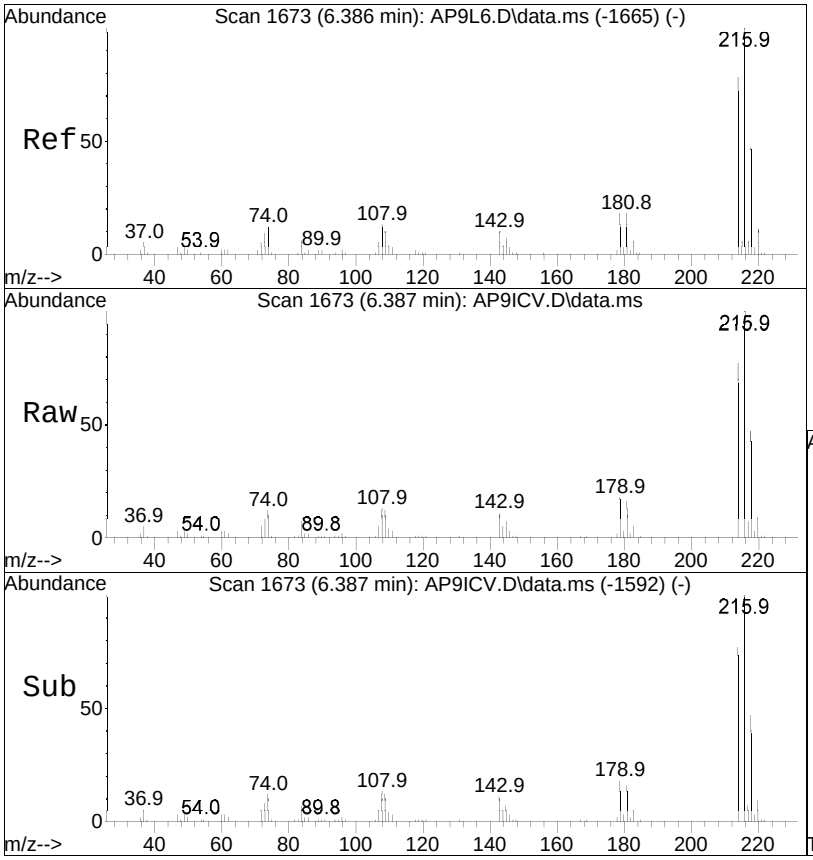


#62
Caprolactam
Concen: 5.35 ug/ml
RT: 5.914 min Scan# 1521
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 55 Resp: 17075

Ion	Ratio	Lower	Upper
55	100		
85	45.5	19.8	29.6#
113	48.9	29.6	44.4#

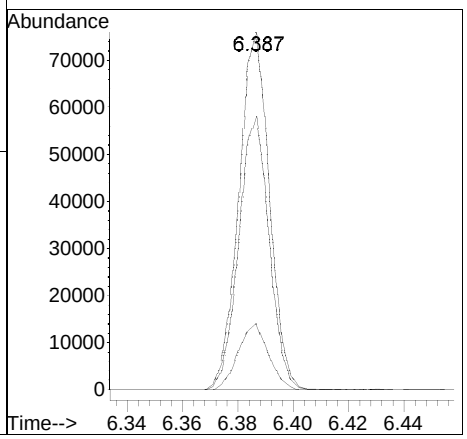


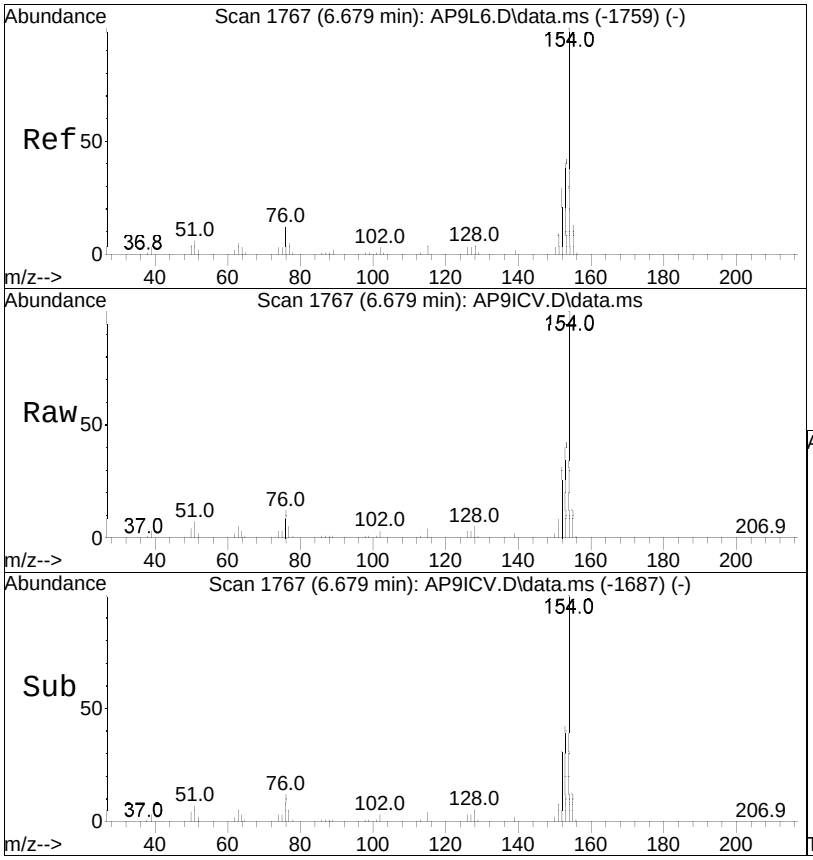


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.41 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:216 Resp: 57983

Ion	Ratio	Lower	Upper
216	100		
214	75.8	63.7	95.5
179	18.4	19.0	28.6#

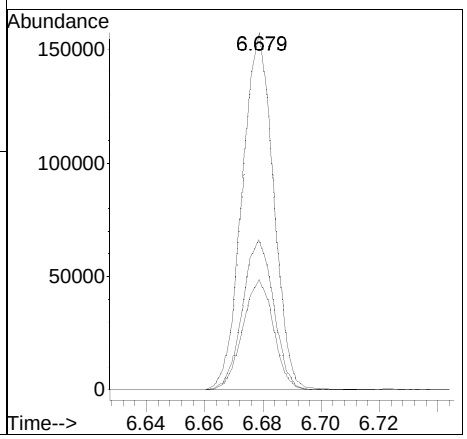


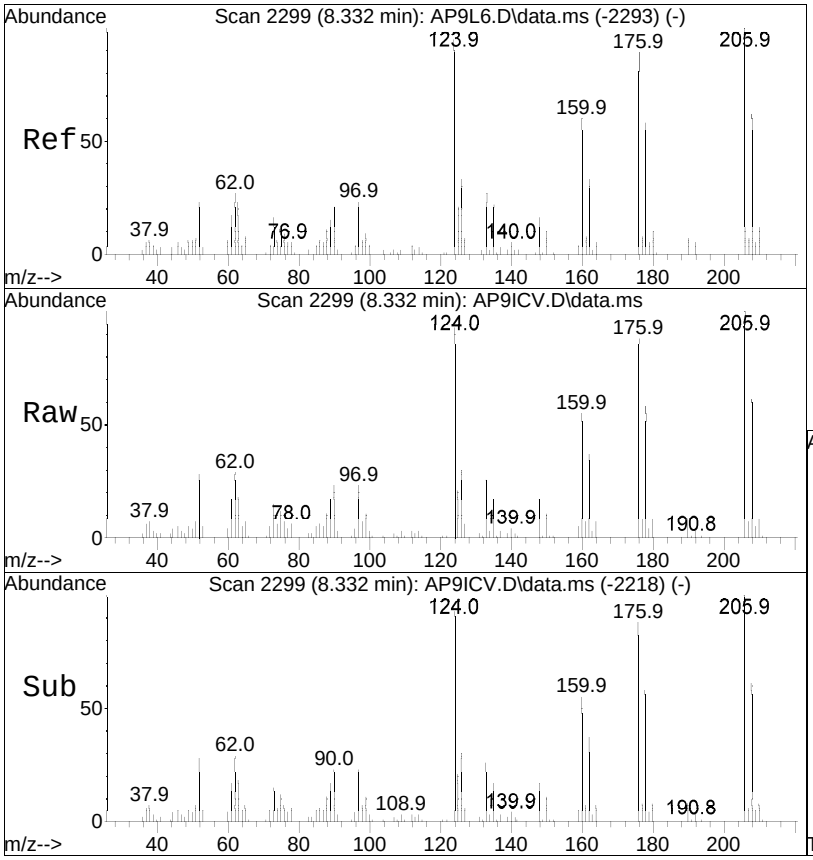


#64
Biphenyl
Concen: 5.37 ug/ml
RT: 6.679 min Scan# 1767
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:154 Resp: 117373

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	30.6	22.5	33.7

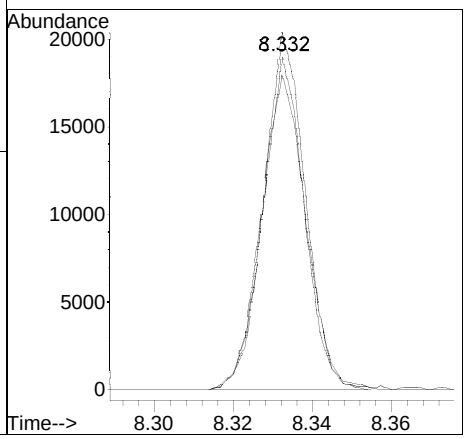


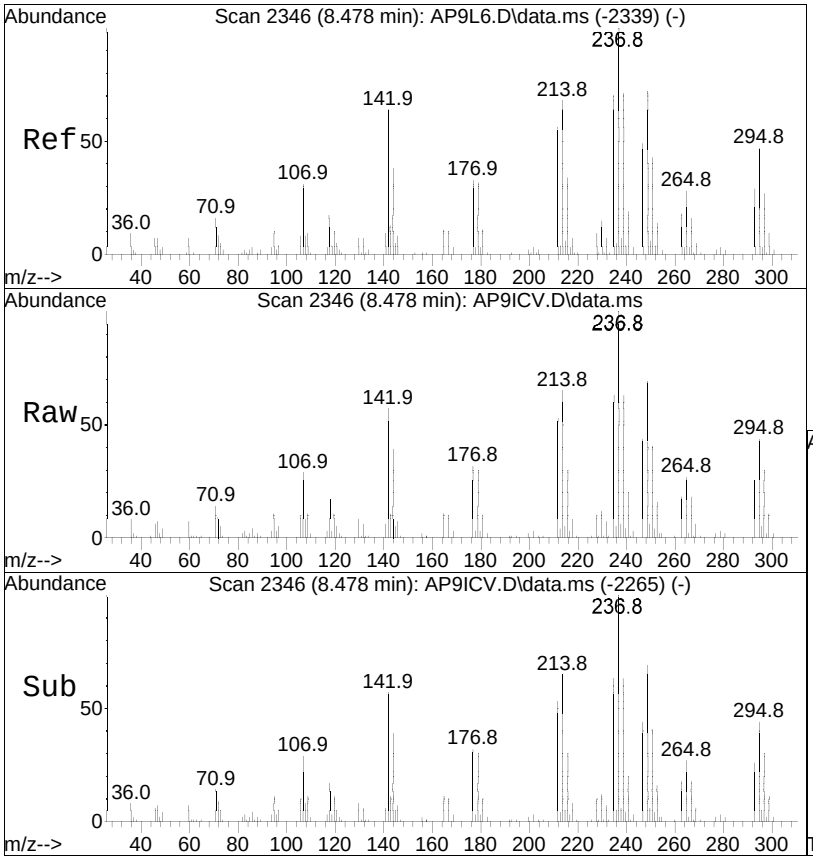


#86
Dichloran
Concen: 5.35 ug/ml
RT: 8.332 min Scan# 2299
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:206 Resp: 14931

Ion	Ratio	Lower	Upper
206	100		
176	92.1	104.6	157.0#
124	93.6	130.5	195.7#

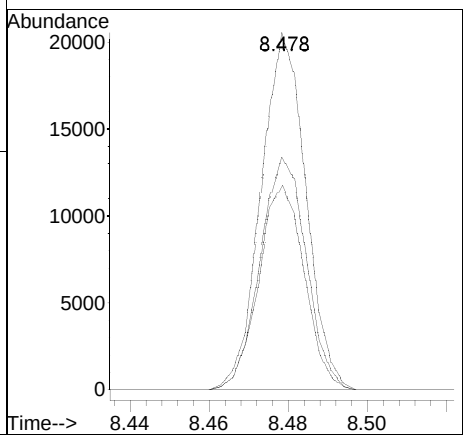


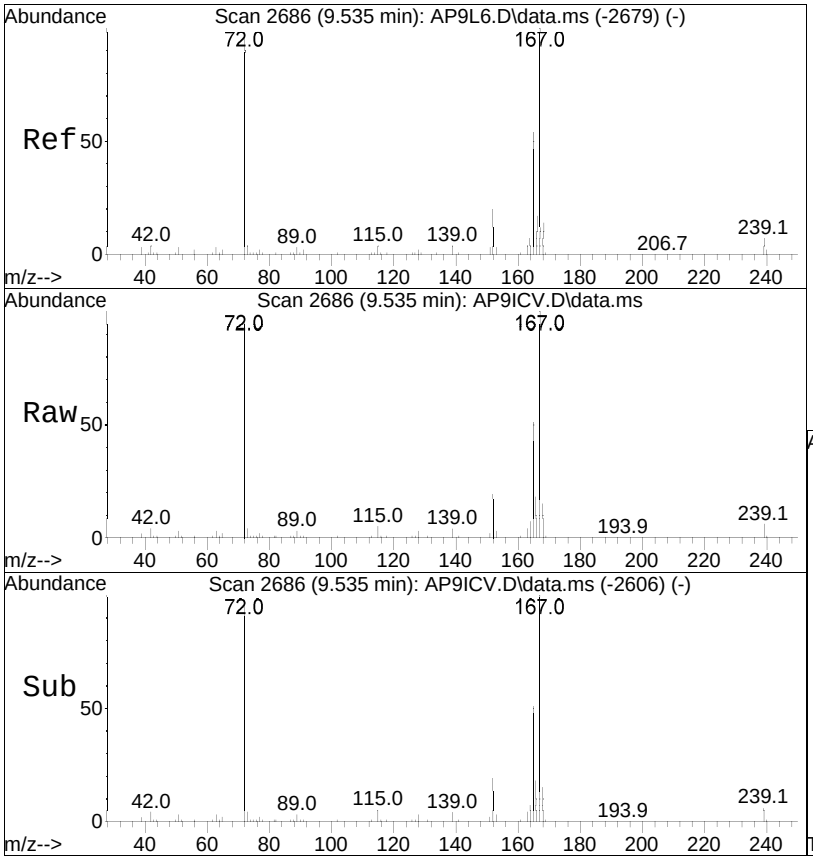


#87
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 8.478 min Scan# 2346
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:237 Resp: 16109

Ion	Ratio	Lower	Upper
237	100		
142	58.5	77.0	115.4#
214	67.2	58.2	87.4

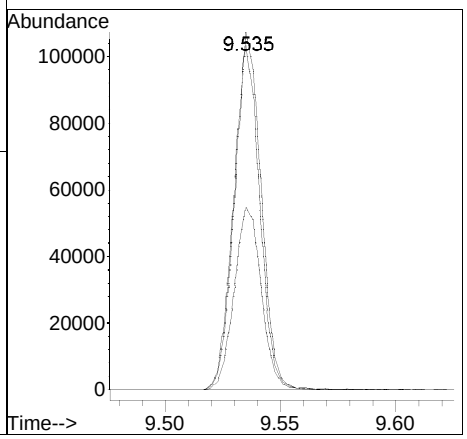




#101
Diphenamid
Concen: 5.61 ug/ml
RT: 9.535 min Scan# 2686
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:167 Resp: 84796

Ion	Ratio	Lower	Upper
167	100		
72	95.3	109.7	164.5#
165	52.6	41.8	62.6



Manual Integration Report

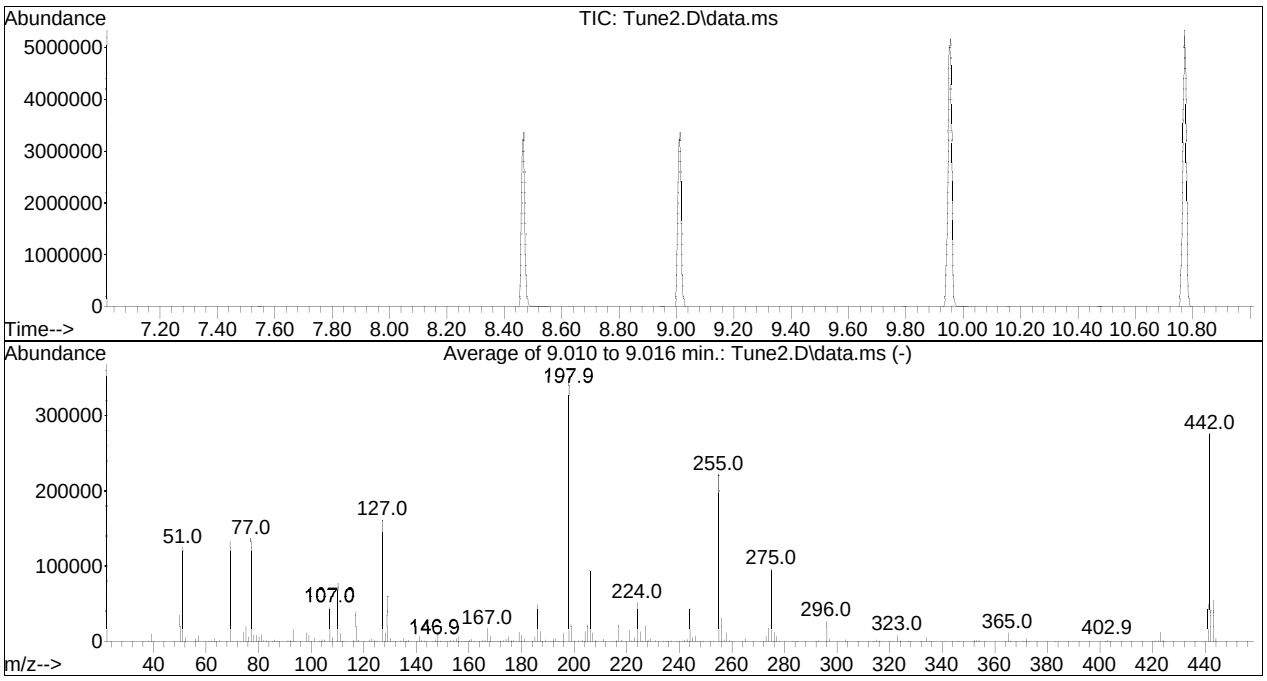
Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9ICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 12:23 am	Instrument	: Dakota
Sample	: CQICV2,32,,AP9ICV Lot# 111	Quant Date	: 11/6/2024 10:19 am

There are no manual integrations or false positives in this file.

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



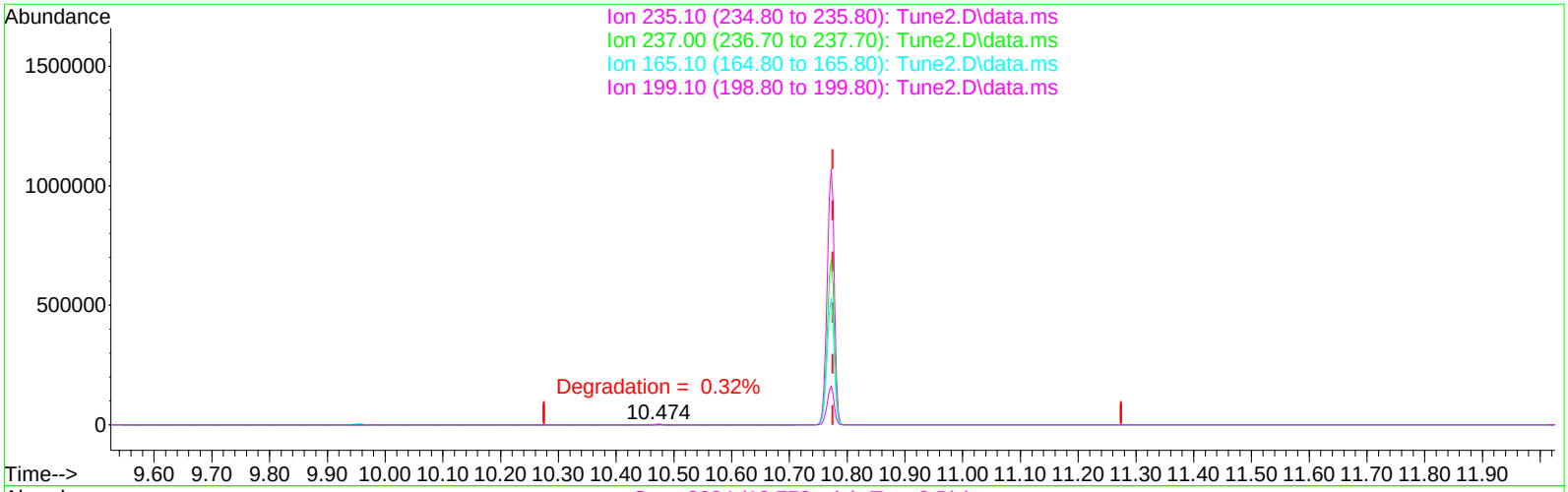
Spectrum Information: Average of 9.010 to 9.016 min.

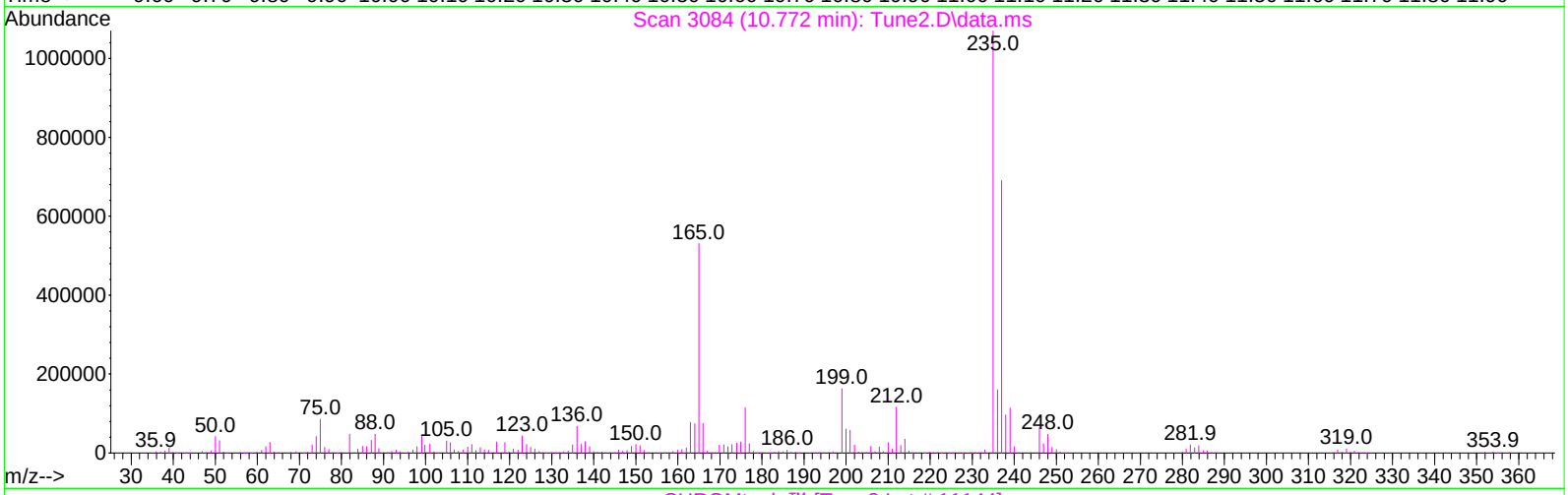
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	124264	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	132925	PASS
70	69	0.00	2	0.6	743	PASS
127	198	10	80	45.9	160797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	350613	PASS
199	198	5	9	6.6	23221	PASS
275	198	10	60	27.4	95952	PASS
365	198	1	100	3.3	11616	PASS
441	442	0.01	24	17.8	49075	PASS
442	198	50	100	78.8	276117	PASS
443	442	15	24	19.8	54664	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(6) DDT (T)

10.772min (-0.003) 153.25

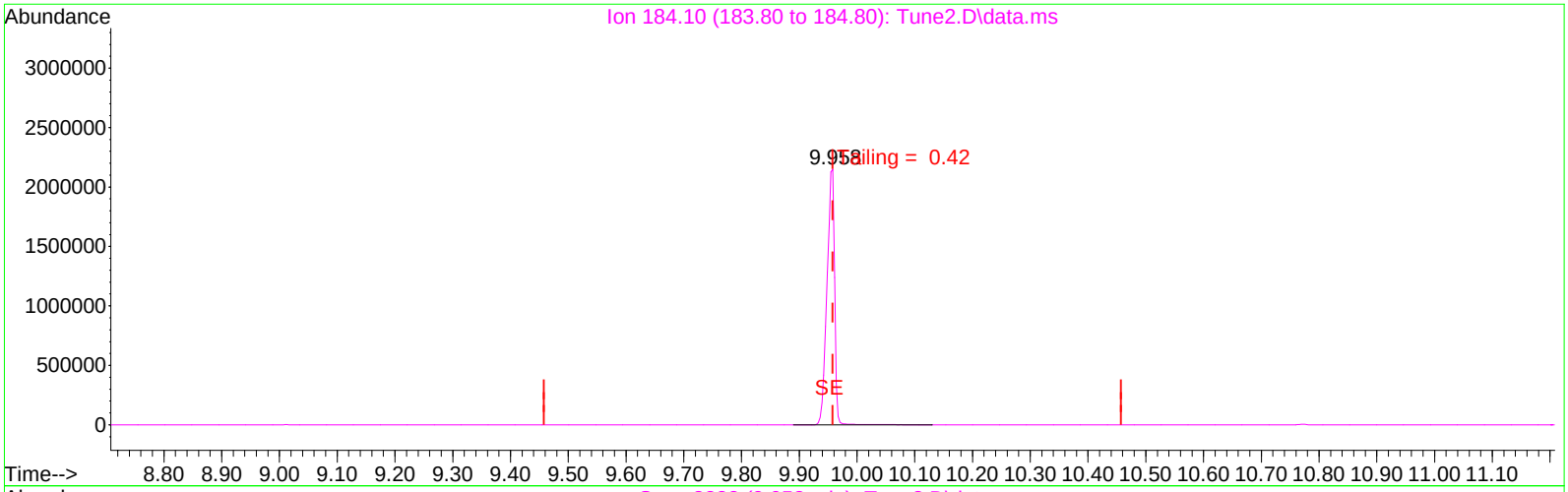
response 934167

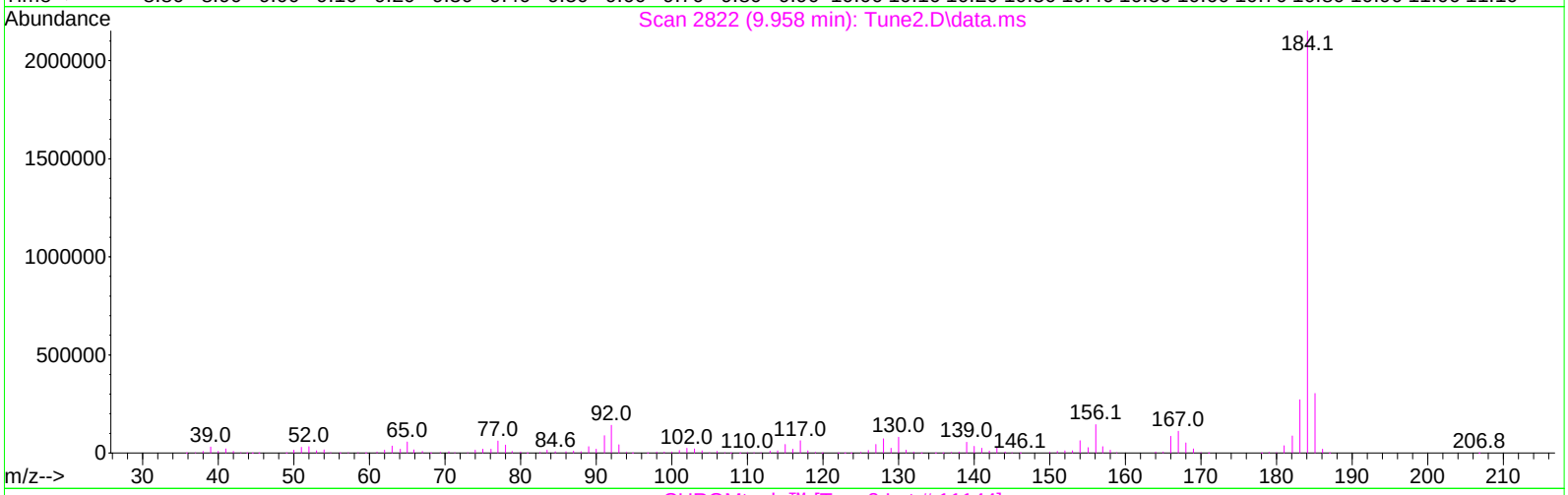
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.21
165.10	48.70	47.94
199.10	15.80	14.64

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(3) Benzidine (T)

9.958min (-0.000) 193.14

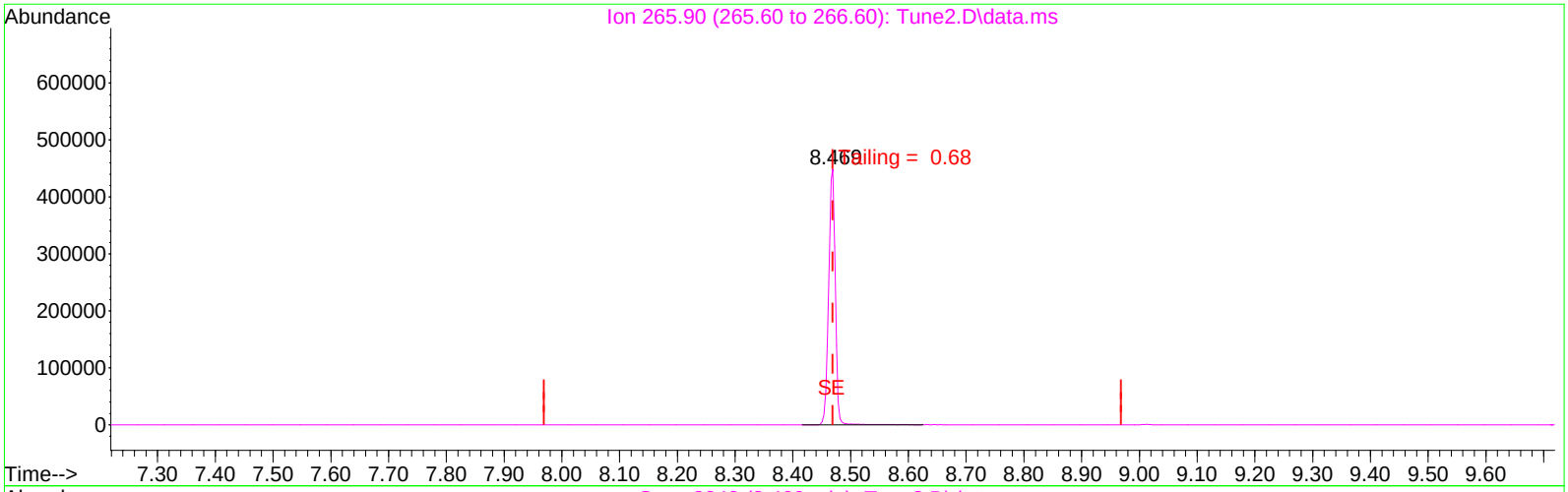
response 1966199

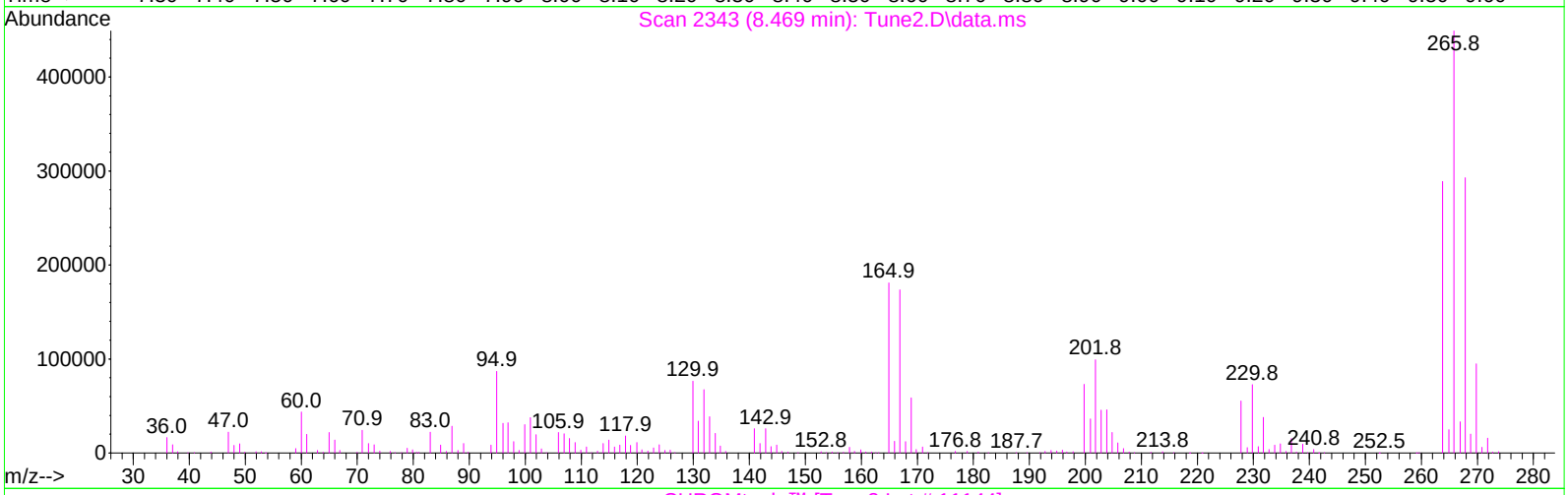
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 171.00

response 359167

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	28999	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	107.27%		
88) IS3_Acenaphthene-d10	7.210	164	65804	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	108.67%		
102) IS3_Phenanthrene-d10	8.622	188	145427	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	108.63%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.392	88	141959	49.972	ug/ml#	86
34) n-Nitrosodiethylamine	3.204	102	152387	54.276	ug/ml#	58
35) n-Decane	4.186	57	401118	48.893	ug/ml#	31
36) n-Nitrosopyrrolidine	4.668	100	194528	56.865	ug/ml#	76
89) Atrazine	8.432	200	329261	44.732	ug/ml	91
103) n-Octadecane	8.637	57	671578	53.256	ug/ml#	1
104) Parathion	9.423	109	209761	74.031	ug/ml	95
105) 3,3'-Dimethylbenzidine	10.670	212	1582279	46.887	ug/ml	99

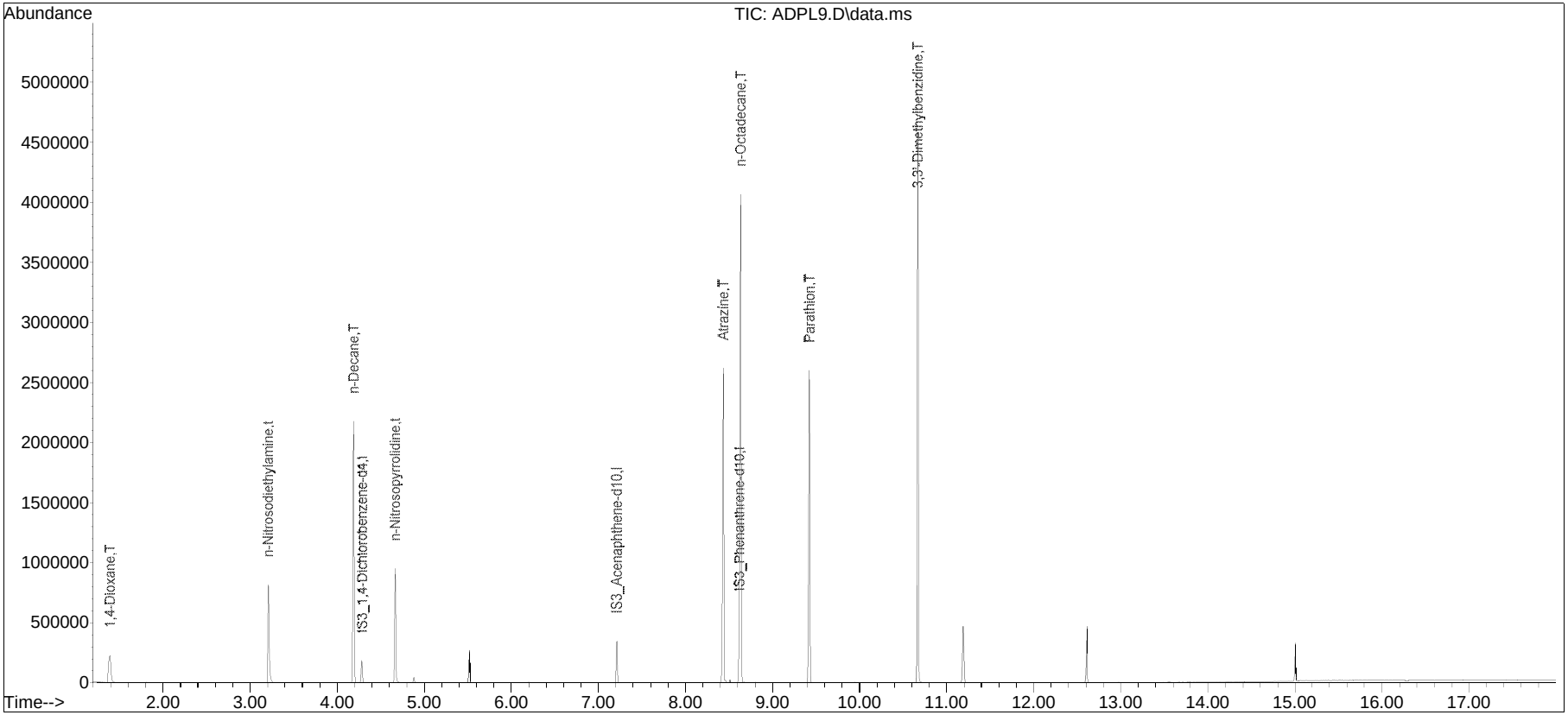
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:10 am	Instrument	: Dakota
Sample	: IL2,32,,ADPL50 Lot# 11129	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29582	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	109.43%		
88) IS3_Acenaphthene-d10	7.210	164	67966	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.24%		
102) IS3_Phenanthrene-d10	8.624	188	154856	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.67%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	75610	26.091	ug/ml#	85
34) n-Nitrosodiethylamine	3.207	102	80879	28.239	ug/ml#	59
35) n-Decane	4.186	57	214035	25.575	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	101610	29.118	ug/ml#	75
89) Atrazine	8.429	200	170370	22.409	ug/ml	91
103) n-Octadecane	8.637	57	356815	26.572	ug/ml#	1
104) Parathion	9.423	109	102258	33.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.666	212	818111	22.767	ug/ml	99

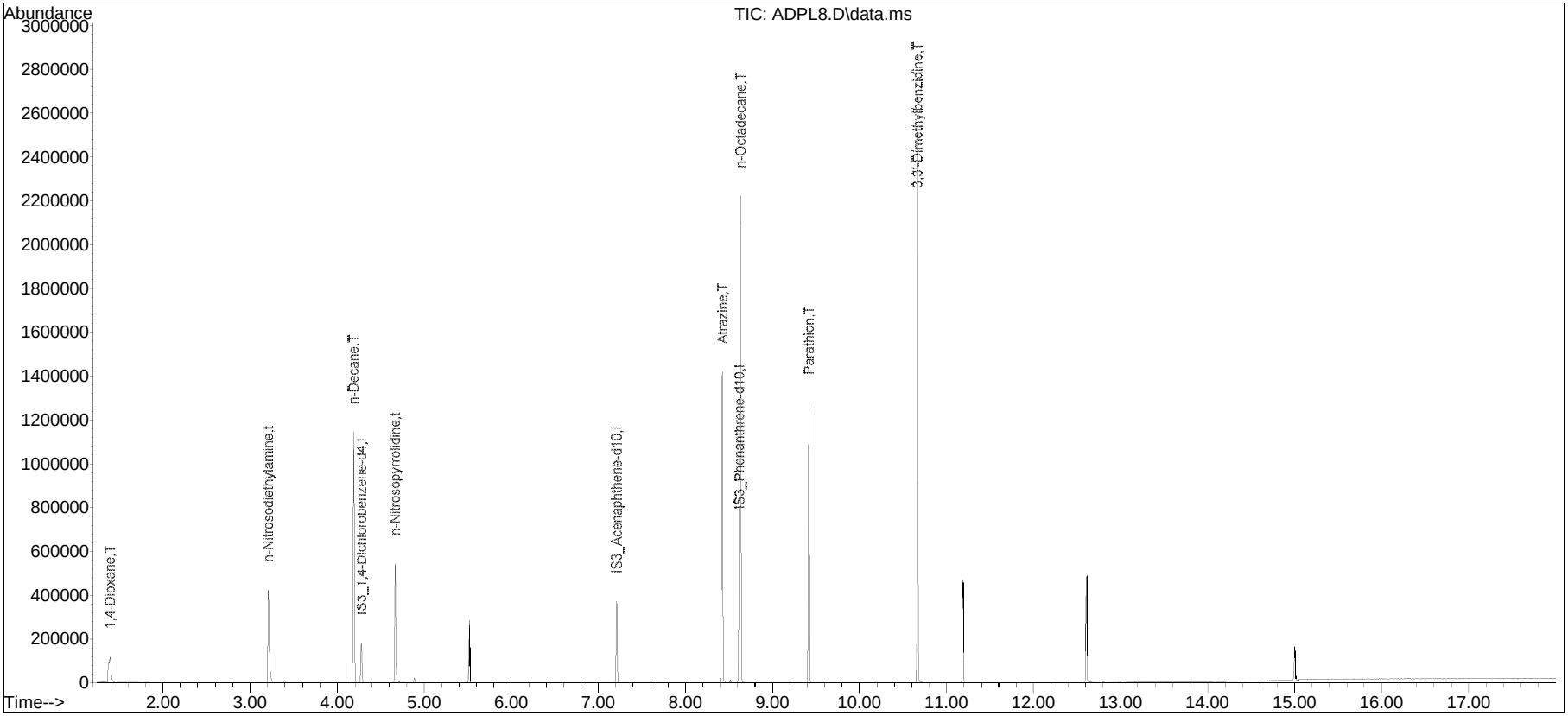
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:33 am	Instrument	: Dakota
Sample	: IL3,32,,ADPL25 Lot# 11130	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	28322	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	104.76%		
88) IS3_Acenaphthene-d10	7.210	164	67913	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.15%		
102) IS3_Phenanthrene-d10	8.621	188	151398	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.09%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	28296	10.199	ug/ml#	85
34) n-Nitrosodiethylamine	3.213	102	29305	10.687	ug/ml#	59
35) n-Decane	4.186	57	76941	9.603	ug/ml#	29
36) n-Nitrosopyrrolidine	4.665	100	36910	11.048	ug/ml#	74
89) Atrazine	8.422	200	59430	7.823	ug/ml	91
103) n-Octadecane	8.634	57	131320	10.003	ug/ml#	1
104) Parathion	9.420	109	32544	11.033	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.663	212	277721	7.905	ug/ml	99

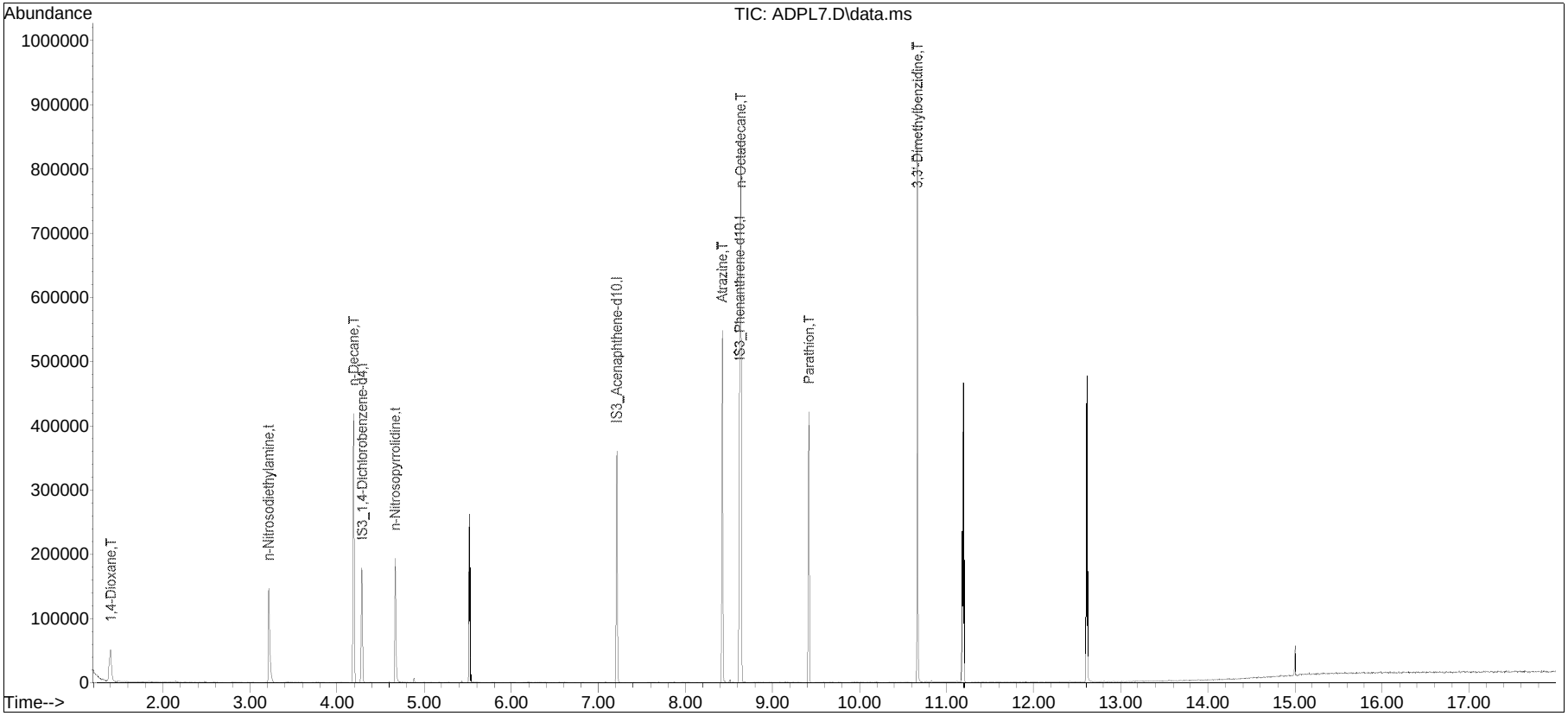
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:56 am	Instrument	: Dakota
Sample	: IL4,32,,ADPL10 Lot# 11131	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27034	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	100.00%		
88) IS3_Acenaphthene-d10	7.210	164	60553	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.00%		
102) IS3_Phenanthrene-d10	8.621	188	133879	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	13637	5.149	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	13557	5.180	ug/ml#	56
35) n-Decane	4.186	57	37066	4.846	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	16431	5.152	ug/ml#	69
89) Atrazine	8.422	200	25869	3.819	ug/ml	92
103) n-Octadecane	8.634	57	55610	4.790	ug/ml#	1
104) Parathion	9.417	109	12413	4.759	ug/ml	88
105) 3,3'-Dimethylbenzidine	10.660	212	108634	3.497	ug/ml	99

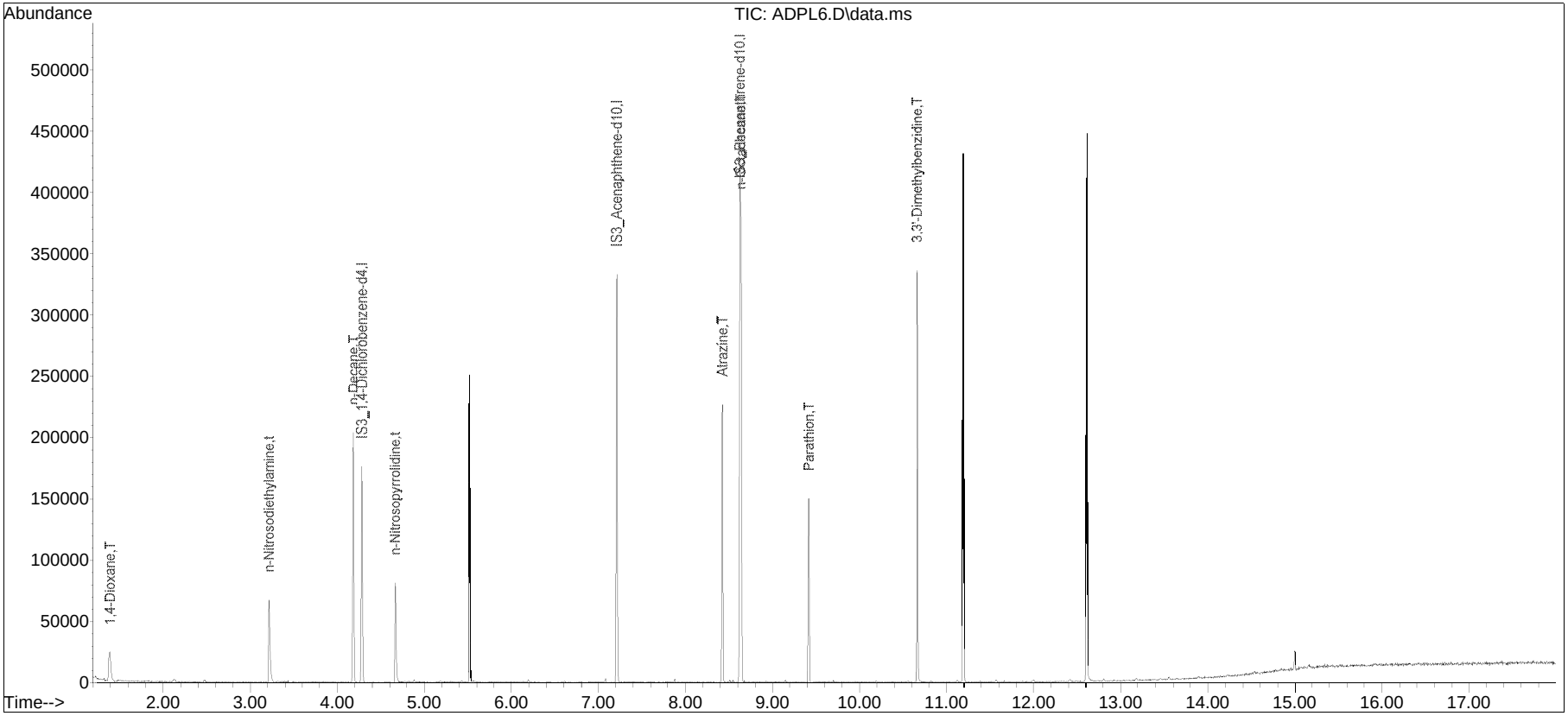
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:20 am	Instrument	: Dakota
Sample	: IL5,32,,ADPL5 Lot# 11132	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27964	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	103.44%		
88) IS3_Acenaphthene-d10	7.210	164	63394	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	104.69%		
102) IS3_Phenanthrene-d10	8.621	188	139475	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	104.18%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	6846	2.499	ug/ml#	87
34) n-Nitrosodiethylamine	3.223	102	6674	2.465	ug/ml#	60
35) n-Decane	4.186	57	17770	2.246	ug/ml#	29
36) n-Nitrosopyrrolidine	4.668	100	7709	2.337	ug/ml#	70
89) Atrazine	8.419	200	12402	1.749	ug/ml	90
103) n-Octadecane	8.634	57	26941	2.228	ug/ml#	1
104) Parathion	9.417	109	5990	2.204	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.660	212	47257	1.460	ug/ml	99

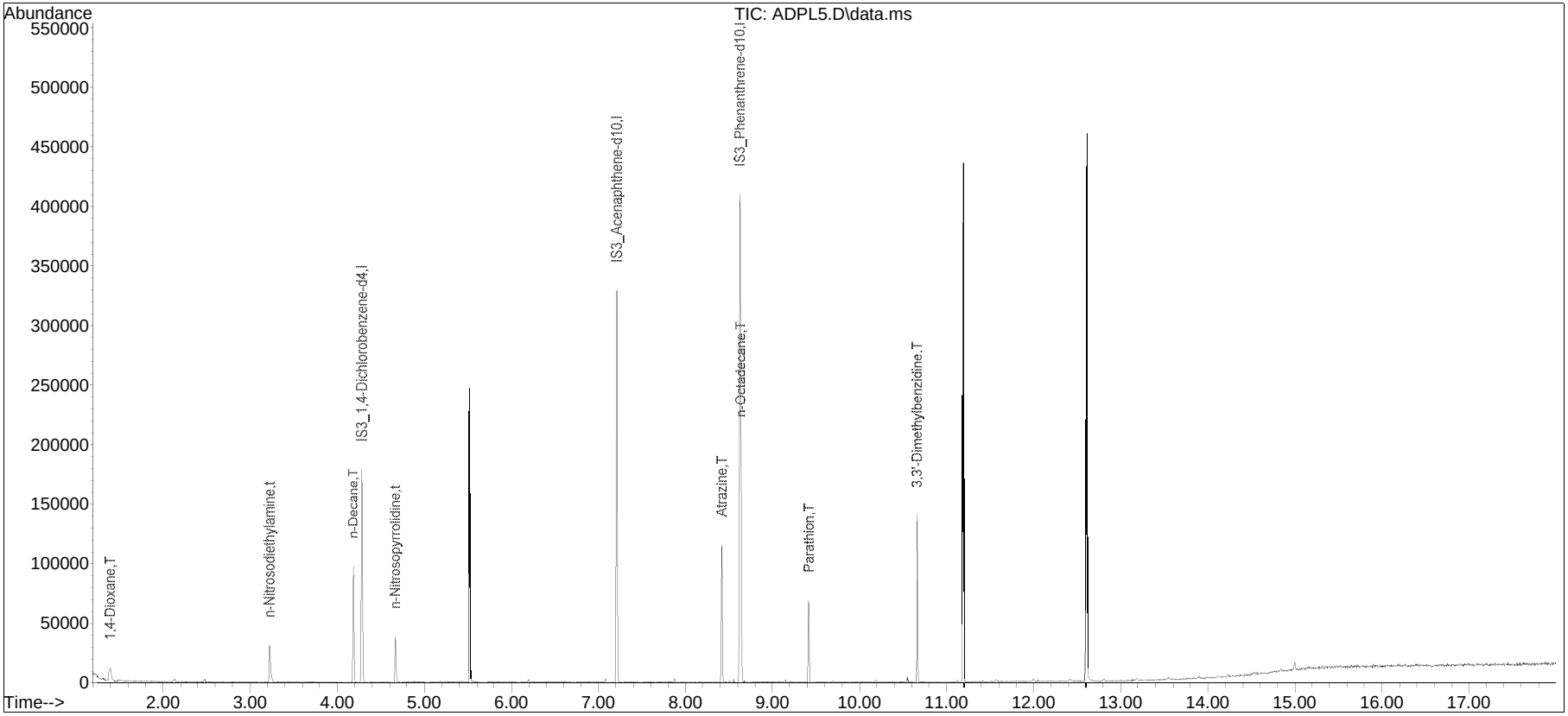
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:43 am	Instrument	: Dakota
Sample	: IL6,32,,ADPL2.5 Lot# 11133	Quant Date	: 11/6/2024 8:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	30288	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	112.04%		
88) IS3_Acenaphthene-d10	7.210	164	68614	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	113.31%		
102) IS3_Phenanthrene-d10	8.621	188	152054	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.58%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.398	88	3010M1	1.014	ug/ml	
34) n-Nitrosodiethylamine	3.229	102	2624	0.895	ug/ml#	47
35) n-Decane	4.186	57	7320	0.854	ug/ml#	28
36) n-Nitrosopyrrolidine	4.671	100	3260	0.912	ug/ml#	72
89) Atrazine	8.419	200	4884	0.636	ug/ml	90
103) n-Octadecane	8.634	57	11002	0.834	ug/ml#	1
104) Parathion	9.417	109	2346	0.792	ug/ml#	80
105) 3,3'-Dimethylbenzidine	10.660	212	16174	0.458	ug/ml	97

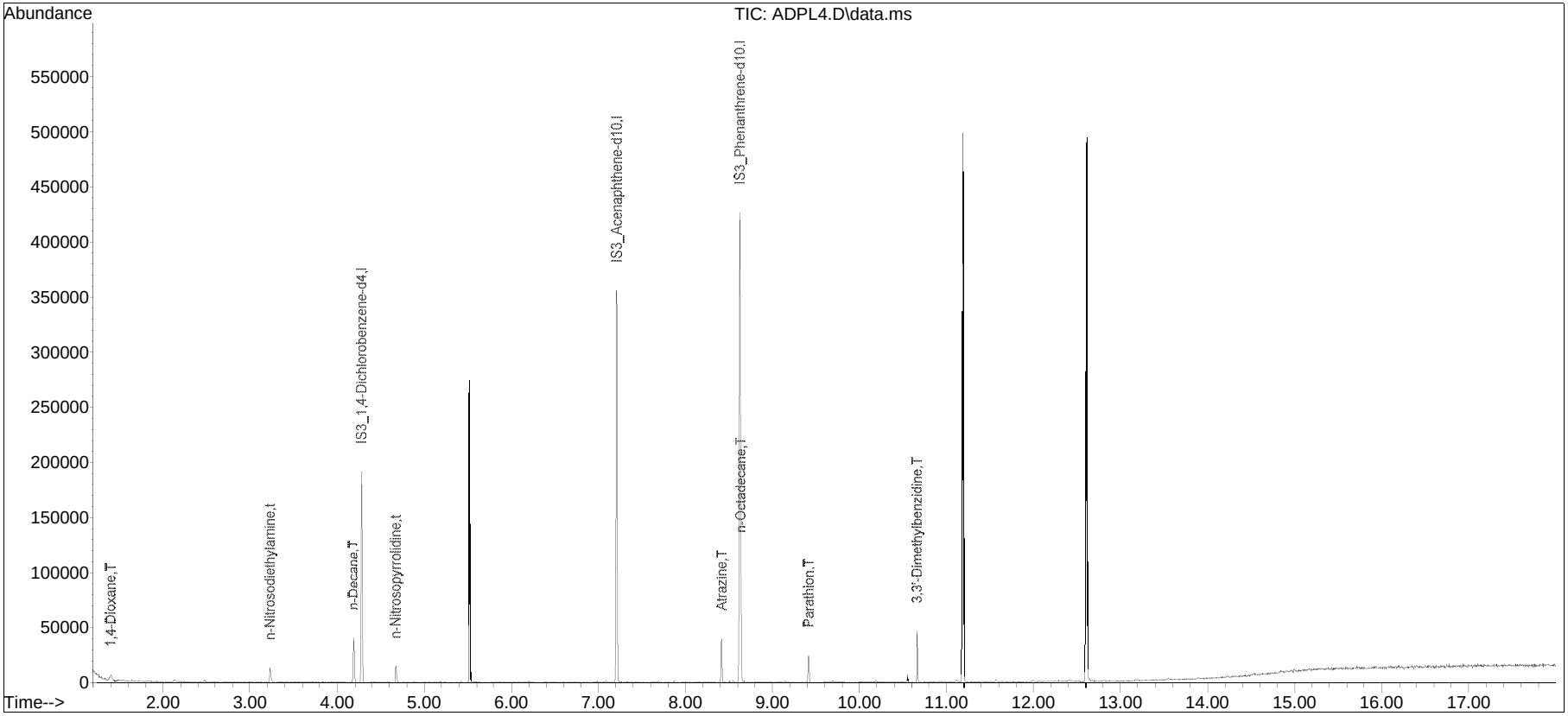
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

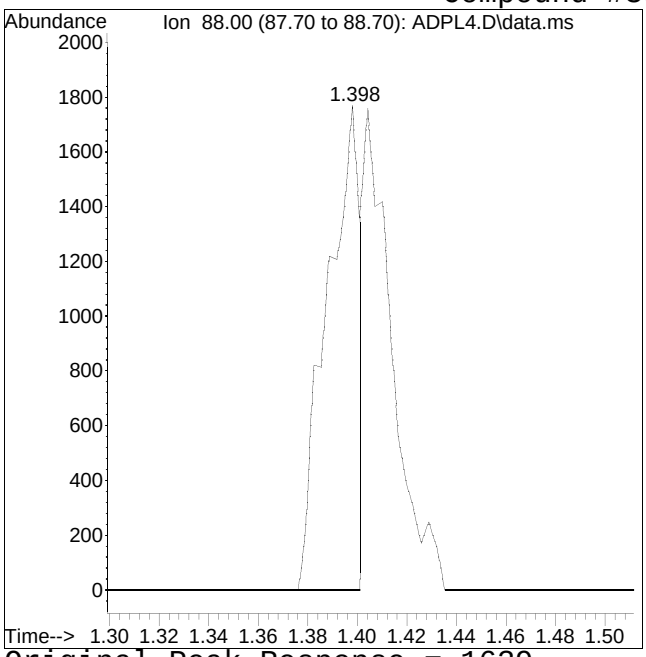
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

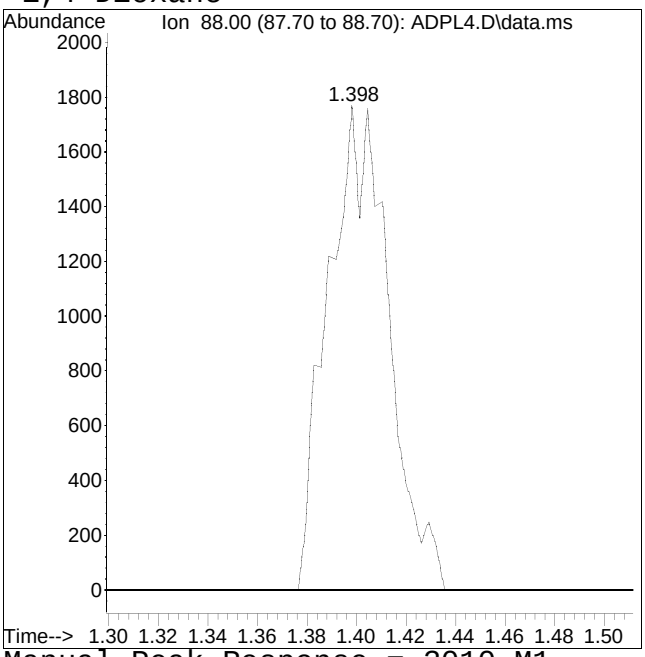


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL4.D
Date Inj'd : 11/6/2024 3:07 am
Sample : IL7,32,,ADPL1 Lot# 11134
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane





Original Peak Response = 1639 Manual Peak Response = 3010 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	29927	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.70%		
88) IS3_Acenaphthene-d10	7.207	164	68245	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.70%		
102) IS3_Phenanthrene-d10	8.621	188	156900	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	117.20%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	1504M1	0.513	ug/ml	
34) n-Nitrosodiethylamine	3.235	102	1392	0.480	ug/ml#	26
35) n-Decane	4.186	57	4118	0.486	ug/ml#	27
36) n-Nitrosopyrrolidine	4.674	100	1725	0.489	ug/ml#	56
89) Atrazine	8.419	200	3137	0.411	ug/ml	91
103) n-Octadecane	8.634	57	6958	0.511	ug/ml#	1
104) Parathion	9.420	109	1494	0.489	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.660	212	8441	0.232	ug/ml	96

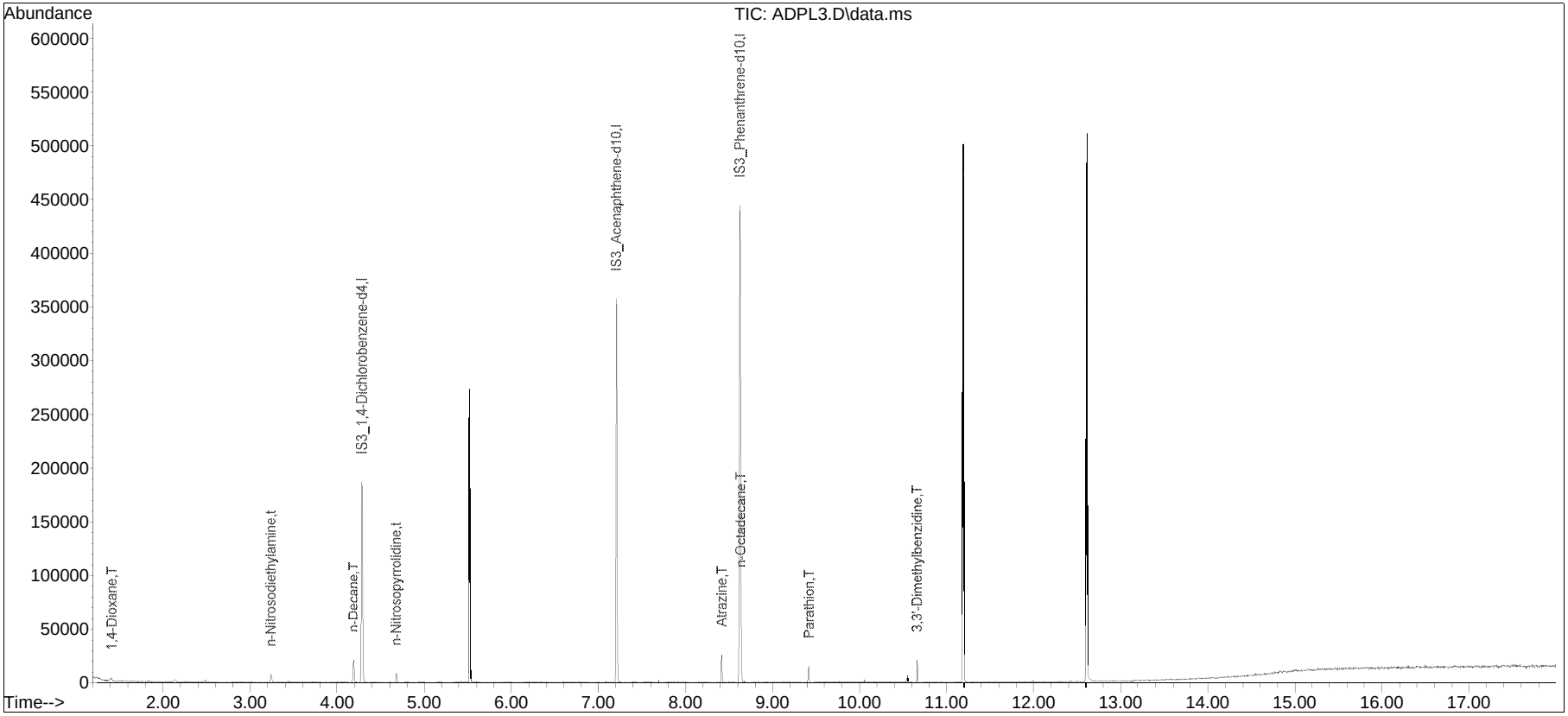
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

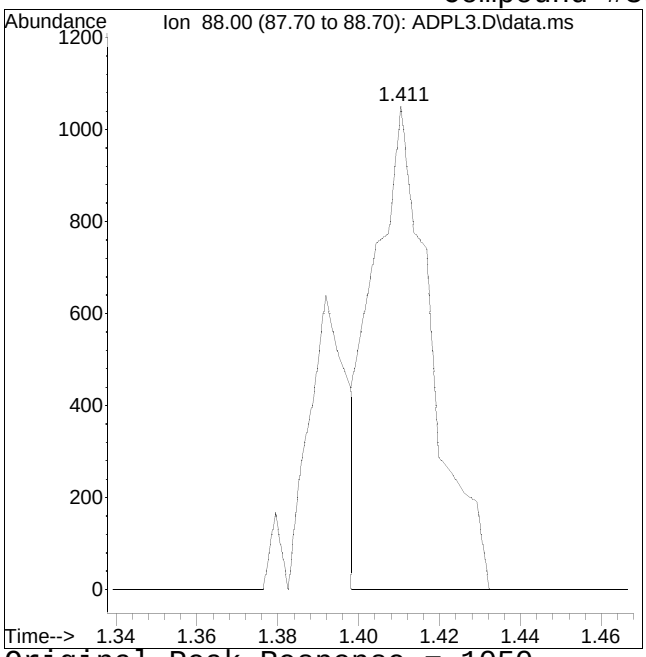


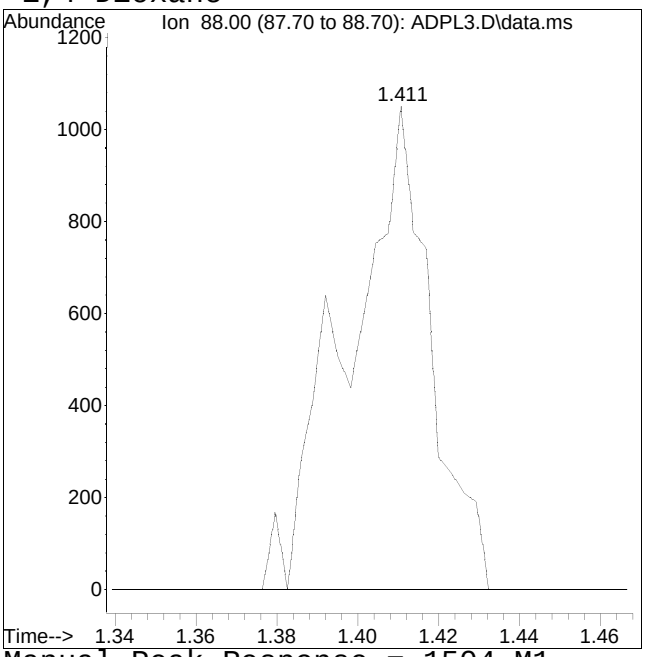
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL3.D
Date Inj'd : 11/6/2024 3:30 am
Sample : IL8,32,,ADPL0.5 Lot# 11135

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane





Original Peak Response = 1050 Manual Peak Response = 1504 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29865	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.47%		
88) IS3_Acenaphthene-d10	7.210	164	67326	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	111.19%		
102) IS3_Phenanthrene-d10	8.621	188	154573	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.46%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	377M2	0.129	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	521	0.180	ug/ml#	29
35) n-Decane	4.186	57	1604	0.190	ug/ml#	29
36) n-Nitrosopyrrolidine	4.680	100	607	0.172	ug/ml#	44
89) Atrazine	8.416	200	1084	0.144	ug/ml#	33
103) n-Octadecane	8.634	57	2734	0.204	ug/ml#	1
104) Parathion	9.420	109	542	0.180	ug/ml#	79
105) 3,3'-Dimethylbenzidine	10.657	212	909	0.025	ug/ml#	62

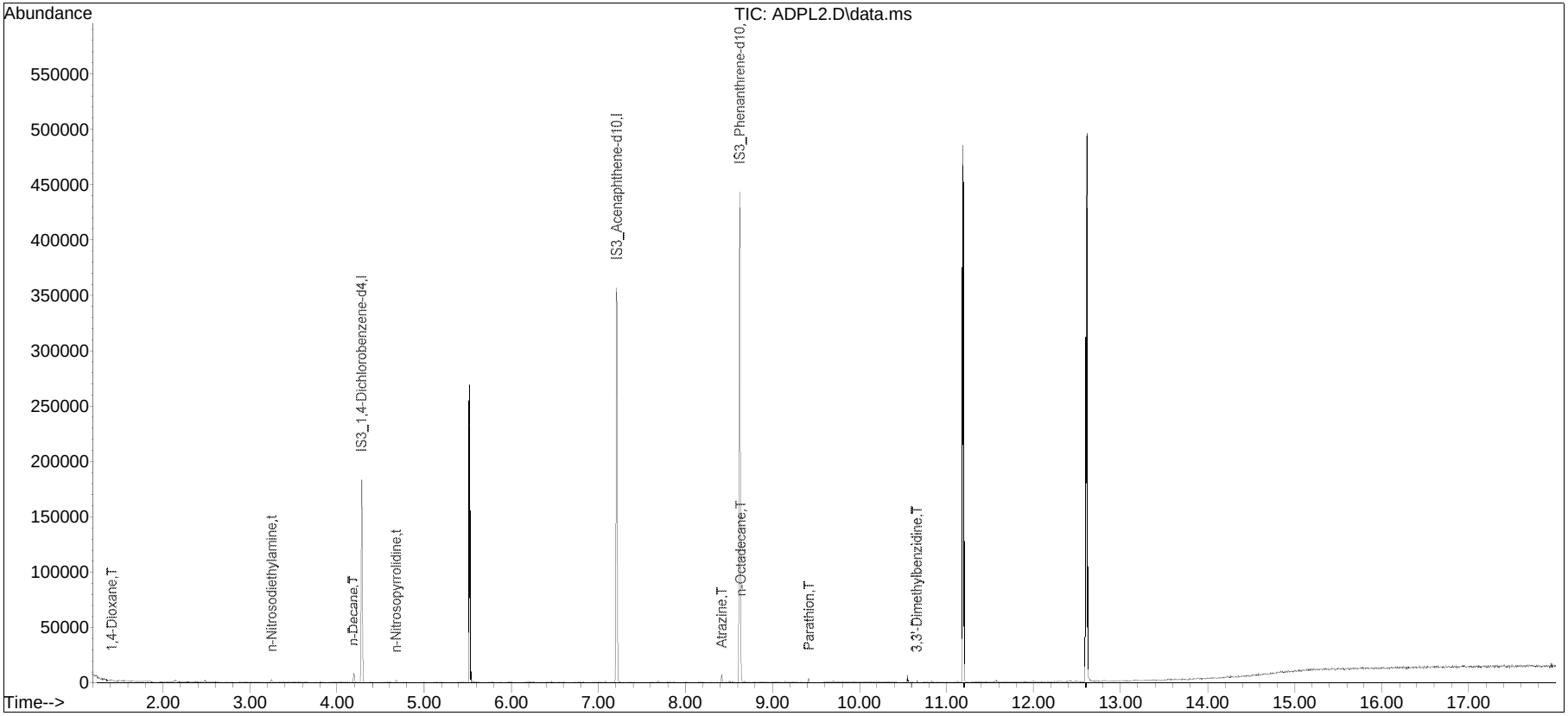
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

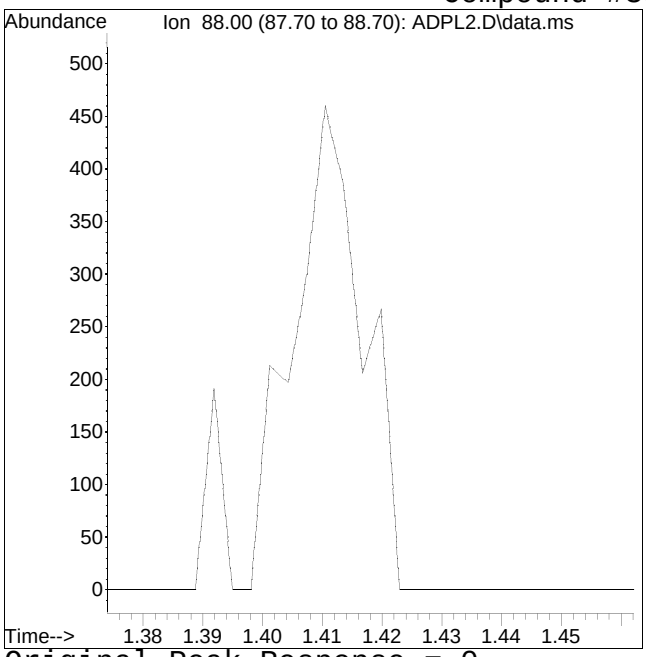
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



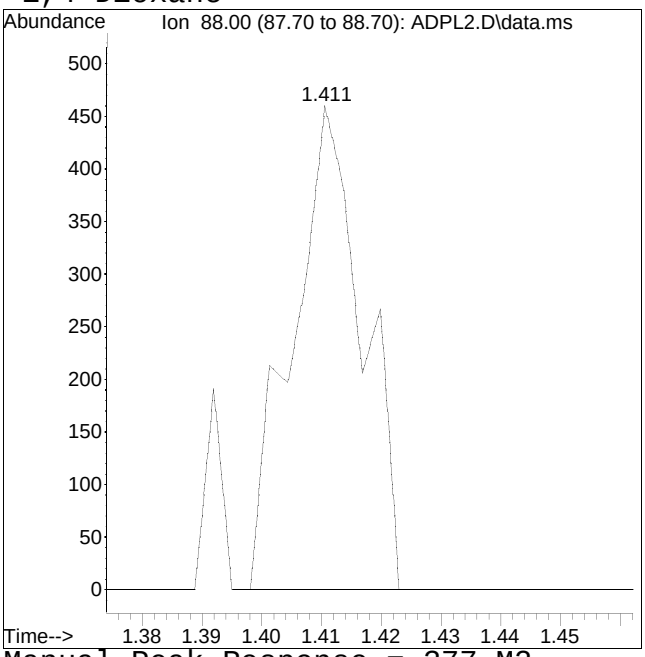
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL2.D
Date Inj'd : 11/6/2024 3:53 am
Sample : IL9,32,,ADPL0.2 Lot# 11136
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 377 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27472	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	101.62%		
88) IS3_Acenaphthene-d10	7.210	164	60699	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.24%		
102) IS3_Phenanthrene-d10	8.621	188	137822	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	102.95%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	71M2	0.026	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	122M2	0.046	ug/ml	
35) n-Decane	4.183	57	569	0.073	ug/ml#	42
36) n-Nitrosopyrrolidine	4.683	100	197M2	0.061	ug/ml	
89) Atrazine	8.416	200	466M2	0.069	ug/ml	
103) n-Octadecane	8.634	57	961	0.080	ug/ml#	1
104) Parathion	9.417	109	181M2	0.067	ug/ml	
105) 3,3'-Dimethylbenzidine	10.663	212	69M4	0.002	ug/ml	

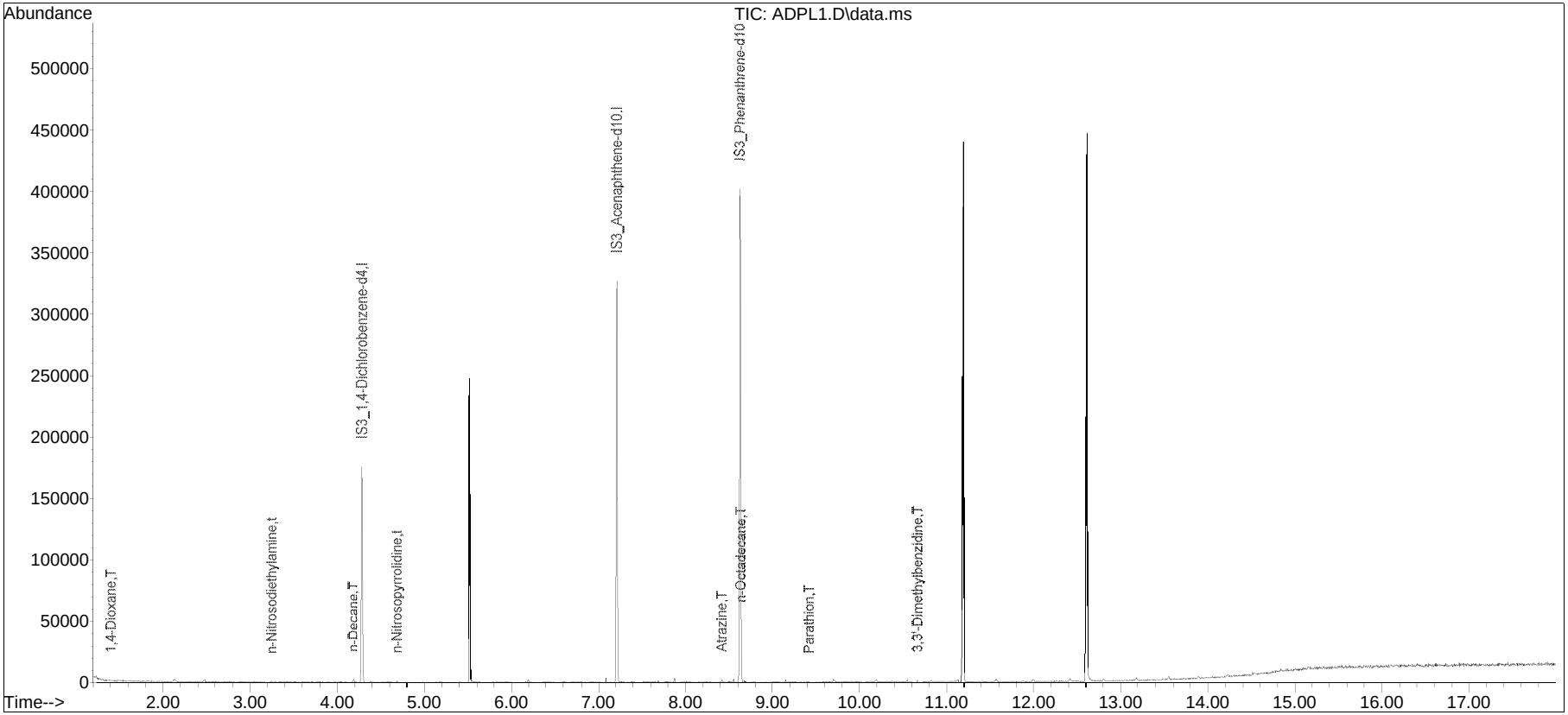
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

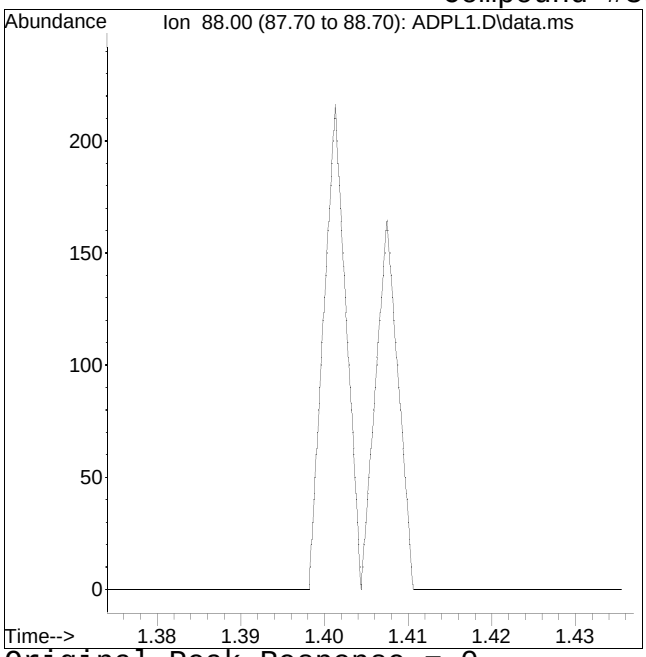
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



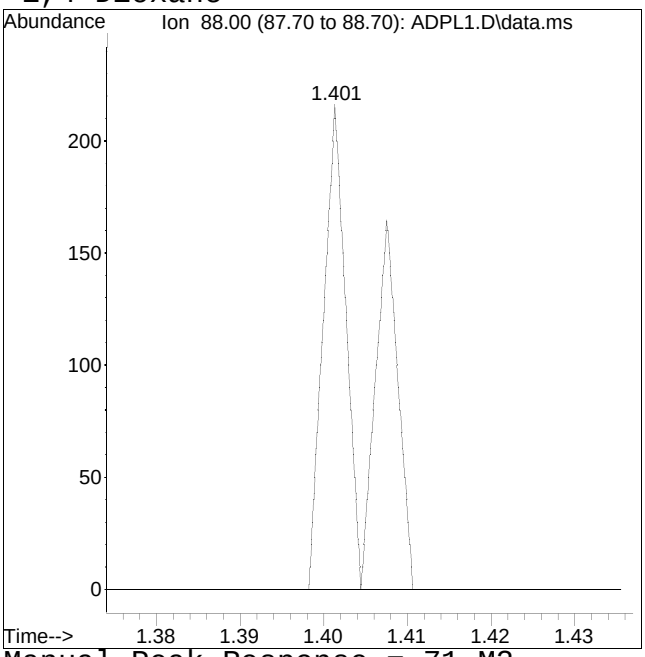
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 71 M2

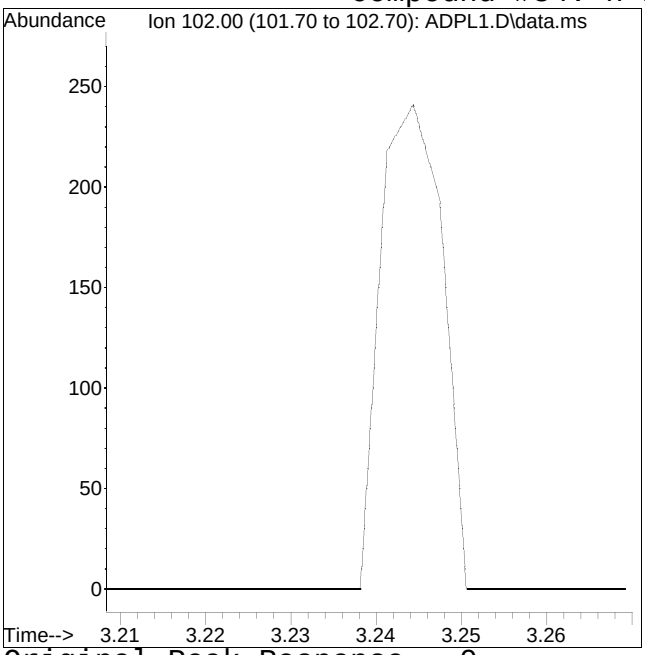
M2 = Peak not found by automatic integration algorithm.

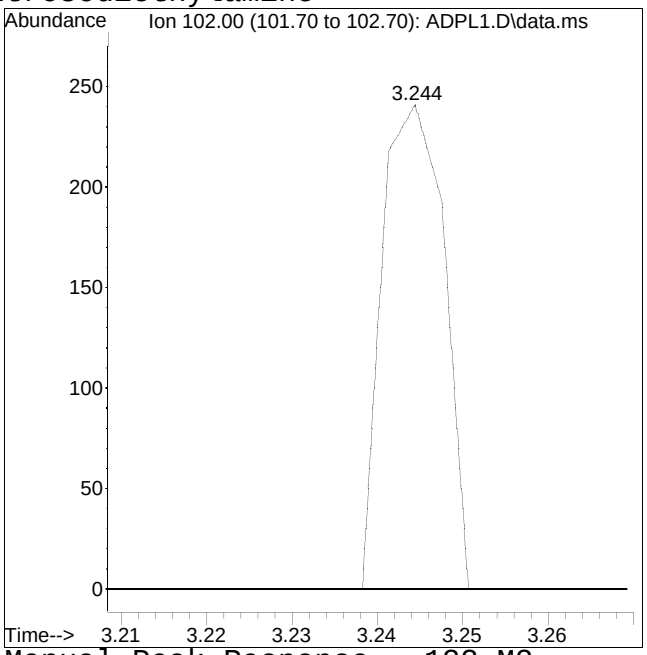
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #34: n-Nitrosodiethylamine



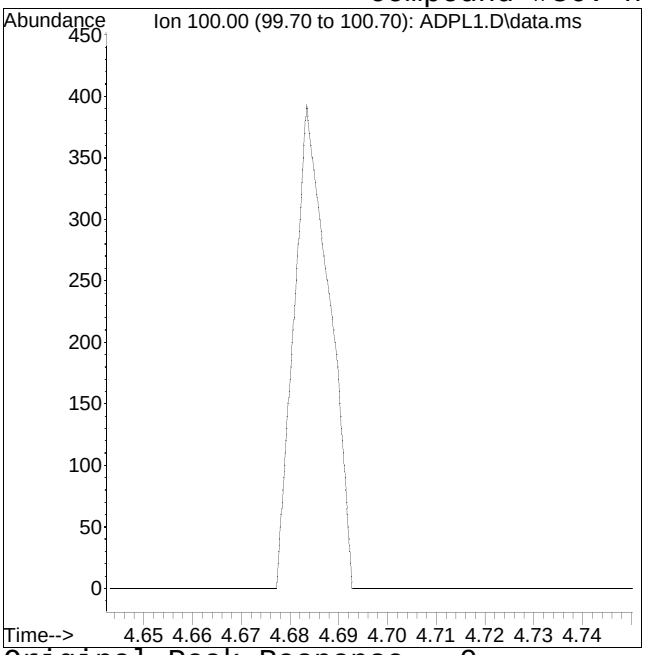


Original Peak Response = 0
Manual Peak Response = 122 M2
M2 = Peak not found by automatic integration algorithm.

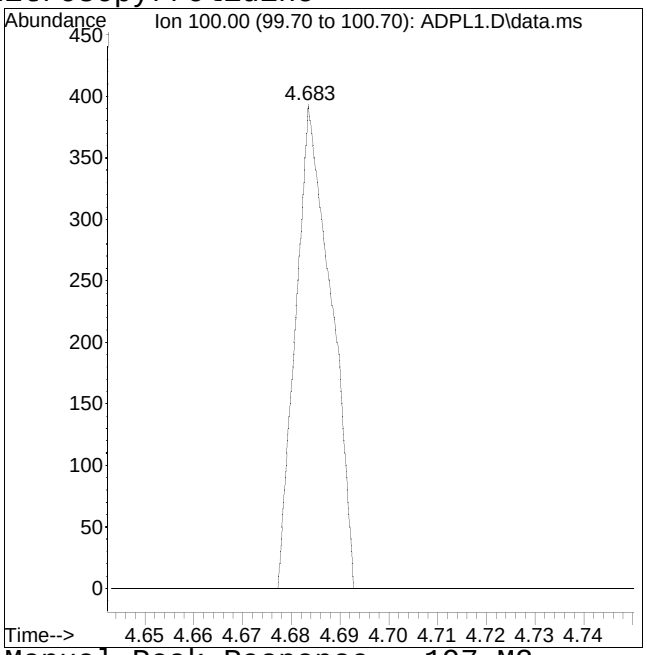
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #36: n-Nitrosopyrrolidine



Original Peak Response = 0



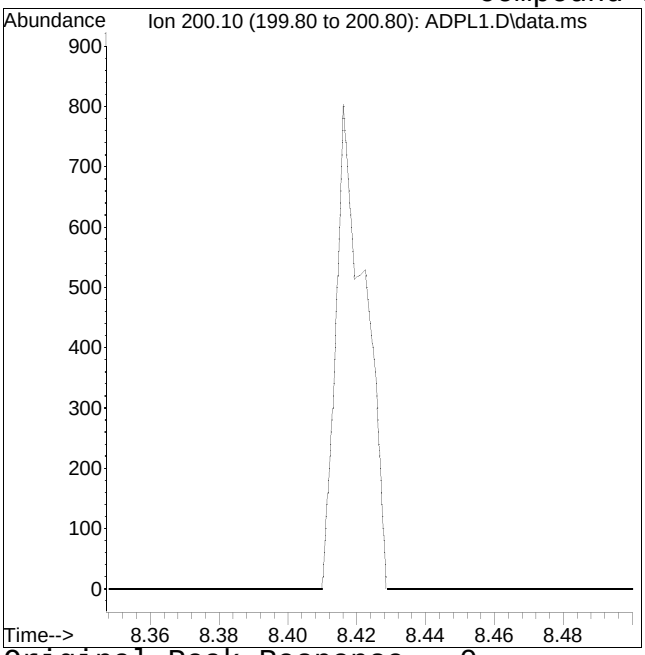
Manual Peak Response = 197 M2

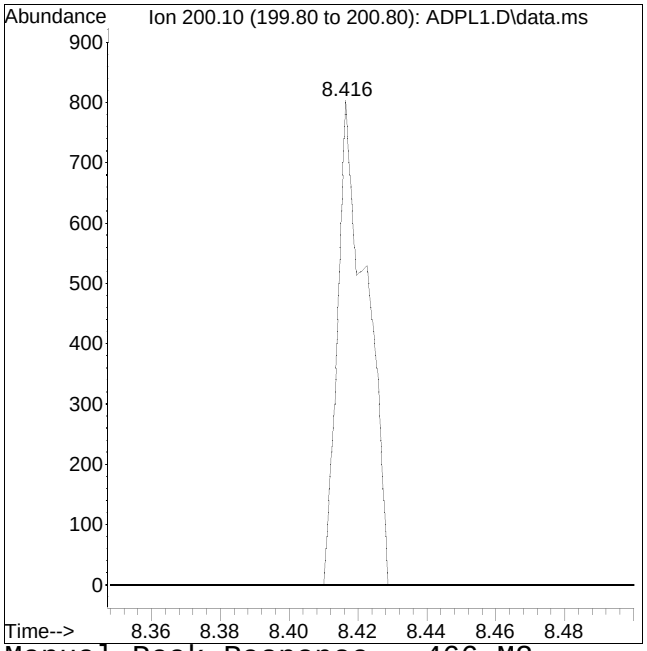
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #89: Atrazine





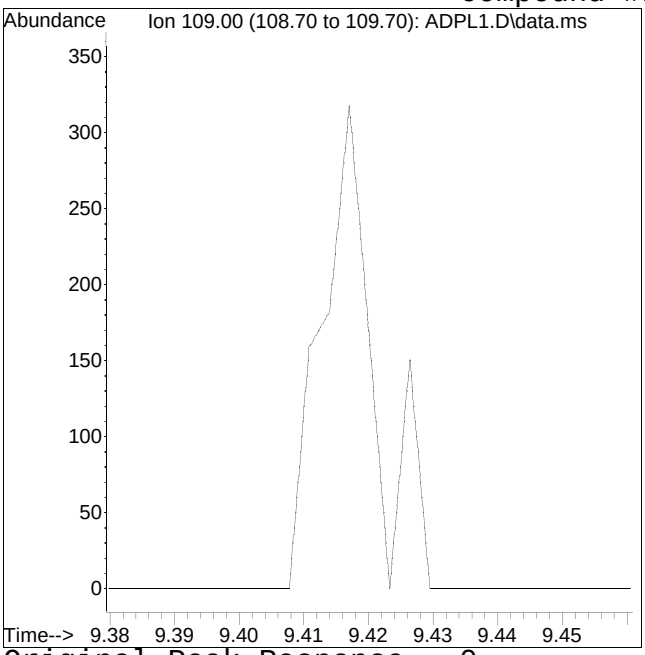
Original Peak Response = 0
Manual Peak Response = 466 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

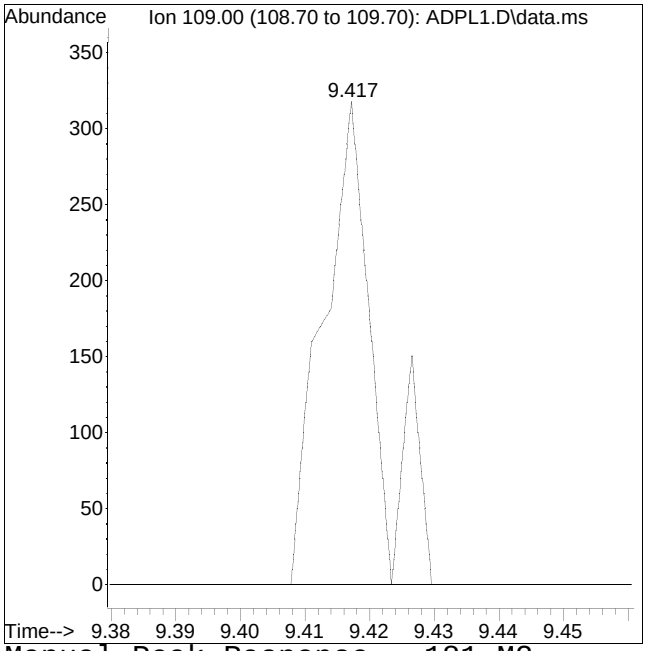
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #104: Parathion



Original Peak Response = 0



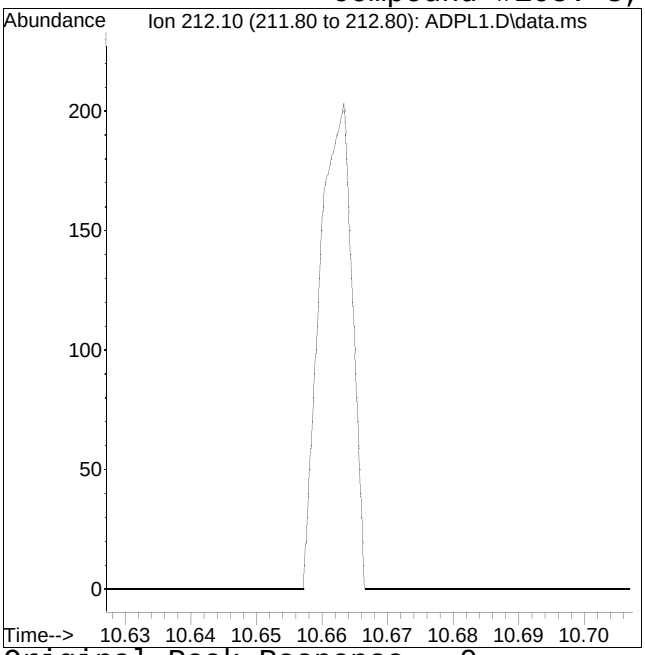
Manual Peak Response = 181 M2

M2 = Peak not found by automatic integration algorithm.

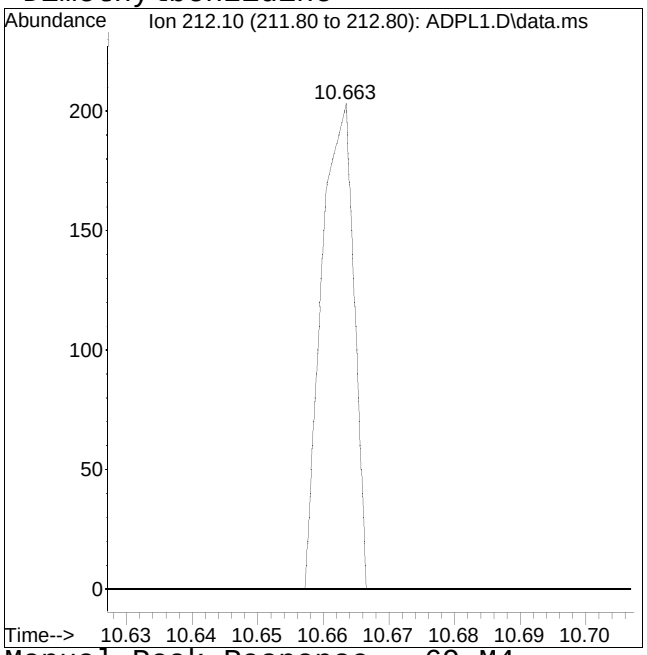
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #105: 3,3'-Dimethylbenzidine



Original Peak Response = 0



Manual Peak Response = 69 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	103	0.00
33	T	1,4-Dioxane		0.381	0.408	-7.1	104	0.00
34	t	n-Nitrosodiethylamine		0.390	0.412	-5.6	105	0.00
35	T	n-Decane		1.048	1.132	-8.0	106	0.00
36	t	n-Nitrosopyrrolidine		0.458	0.502	-9.6	106	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	106	0.00
89	T	Atrazine		0.343	0.346	-0.9	107	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	106	0.00
103	T	n-Octadecane		0.334	0.358	-7.2	114	0.00
104	T	Parathion	*	5.000	4.893	2.1	116	0.00
105	T	3,3'-Dimethylbenzidine	*	5.000	4.511	9.8	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27725	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	102.56%		
88) IS3_Acenaphthene-d10	7.210	164	64160	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	105.96%		
102) IS3_Phenanthrene-d10	8.621	188	141409	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	105.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	14130	5.352	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	14269	5.275	ug/ml#	56
35) n-Decane	4.186	57	39218	5.397	ug/ml#	30
36) n-Nitrosopyrrolidine	4.665	100	17407	5.486	ug/ml#	70
89) Atrazine	8.422	200	27737	5.040	ug/ml	93
103) n-Octadecane	8.634	57	63318	5.367	ug/ml#	1
104) Parathion	9.420	109	14391	4.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.660	212	115367	4.511	ug/ml	99

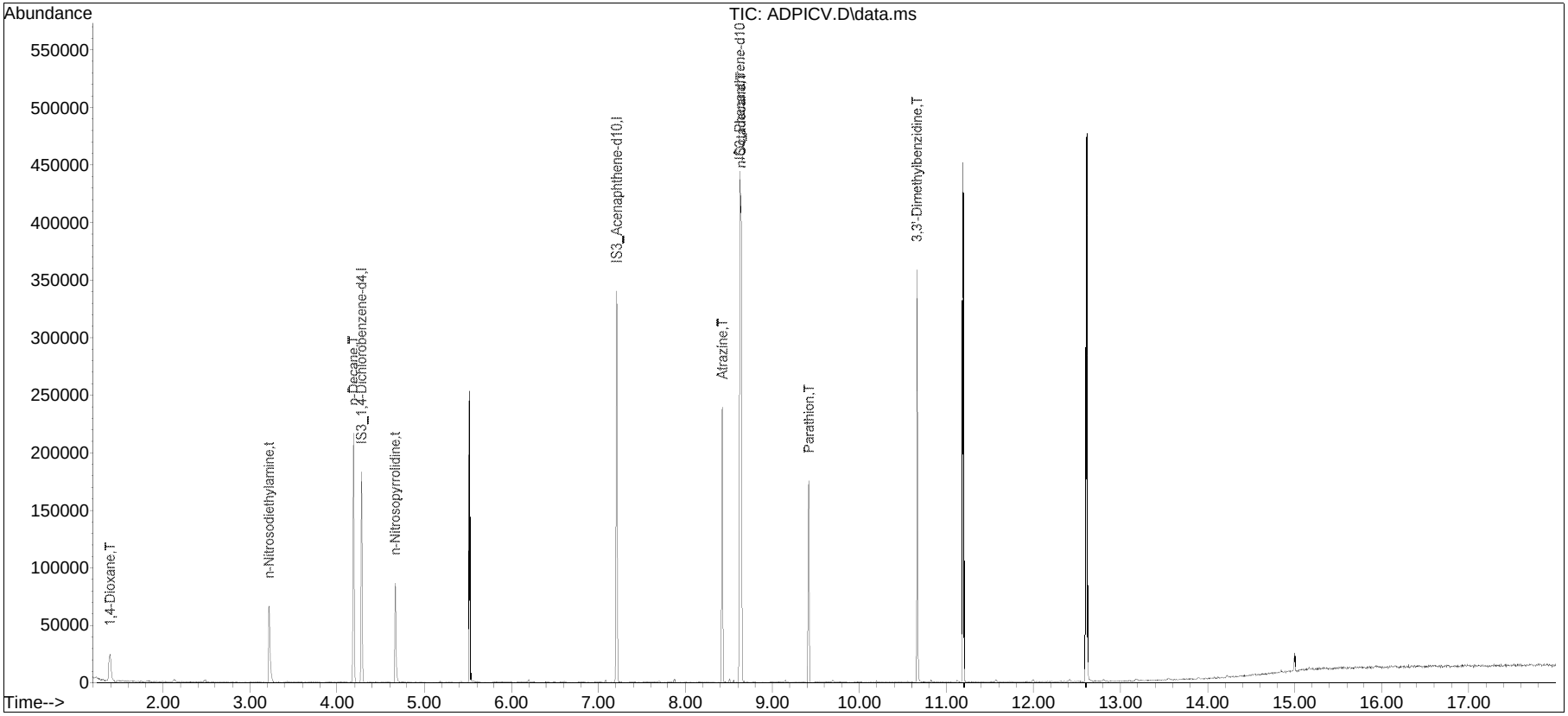
(#) = qualifier out of range (m) = manual integration (+) = signals summed

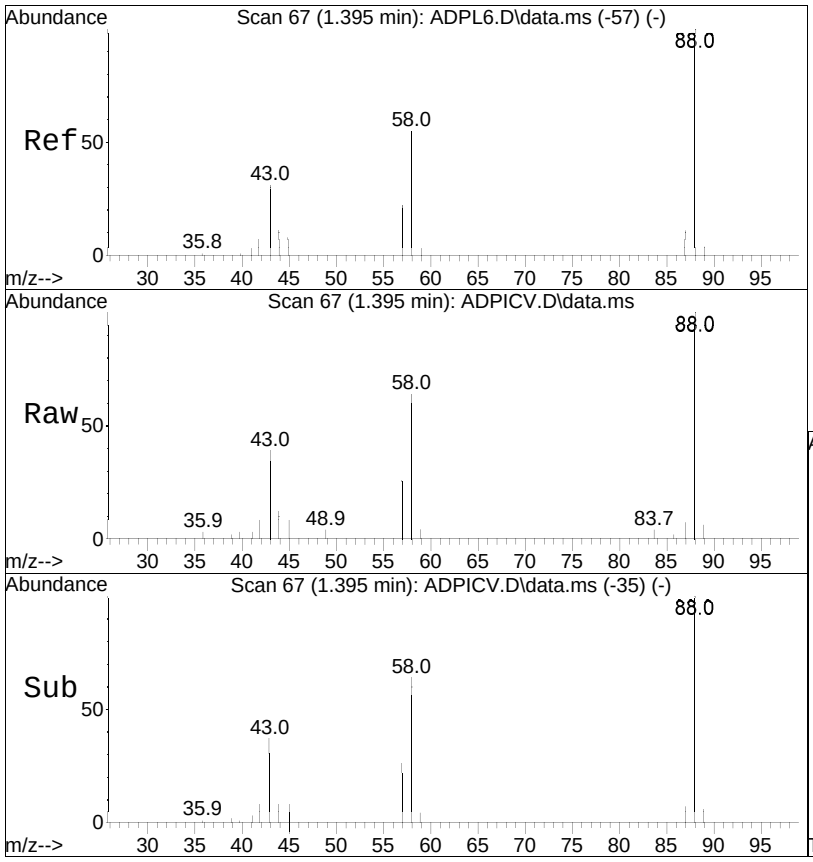
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

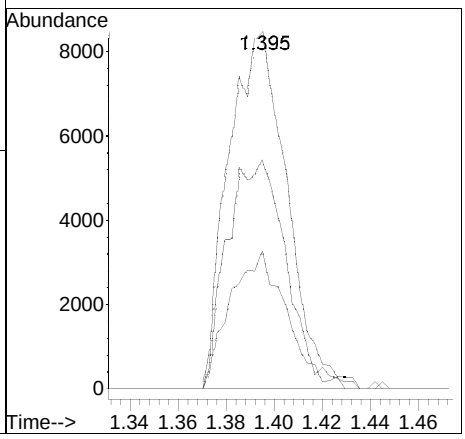


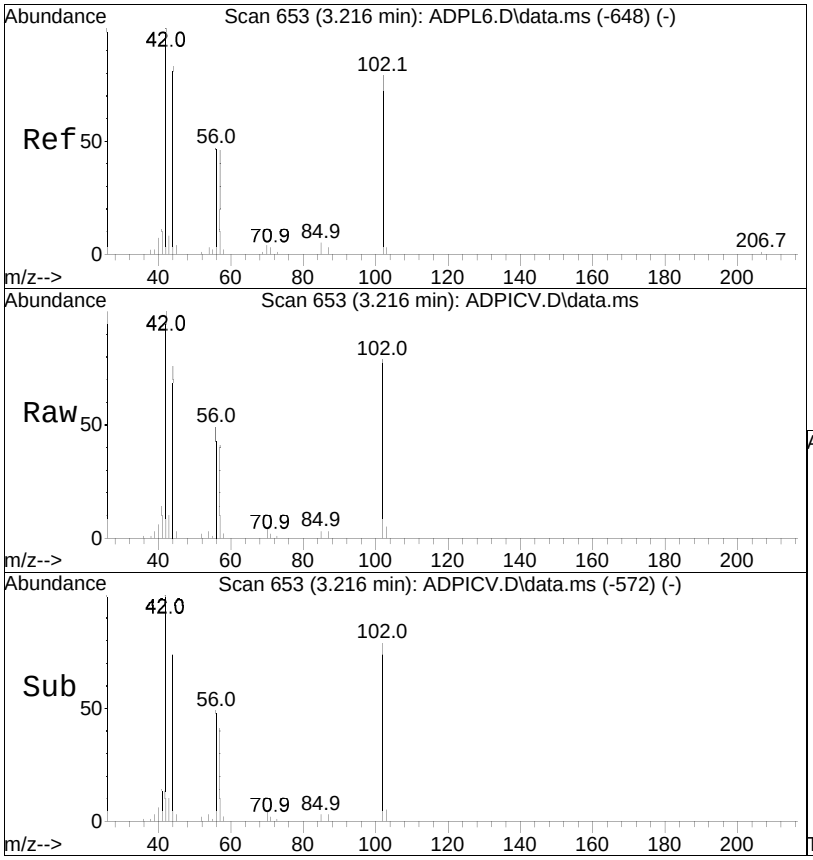


#33
1,4-Dioxane
Concen: 5.35 ug/ml
RT: 1.395 min Scan# 67
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 88 Resp: 14130

Ion	Ratio	Lower	Upper
88	100		
58	65.4	44.8	67.2
43	37.2	22.4	33.6#

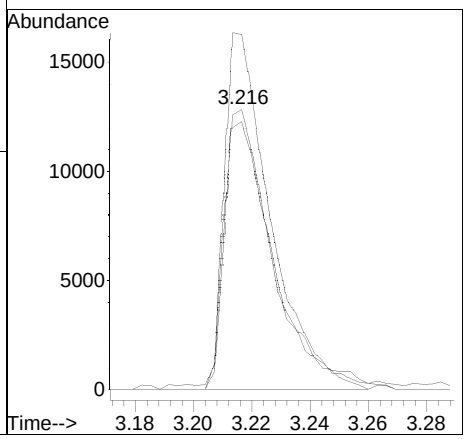


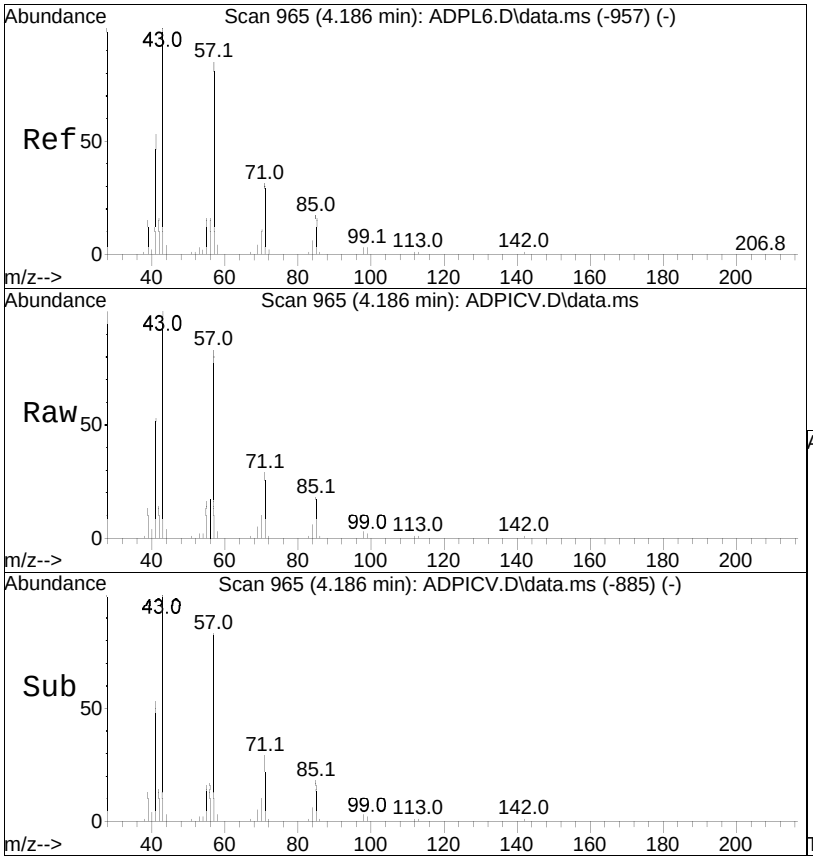


#34
n-Nitrosodiethylamine
Concen: 5.27 ug/ml
RT: 3.216 min Scan# 653
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:102 Resp: 14269

Ion	Ratio	Lower	Upper
102	100		
42	127.1	67.6	101.4#
44	104.7	57.4	86.0#

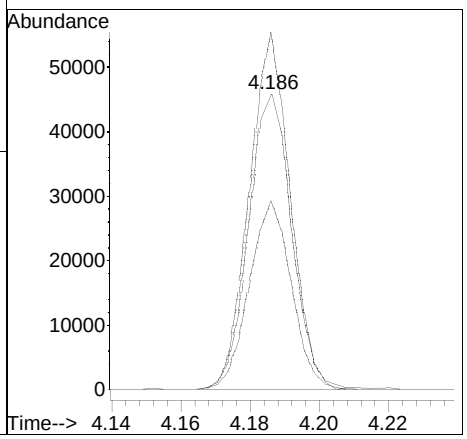


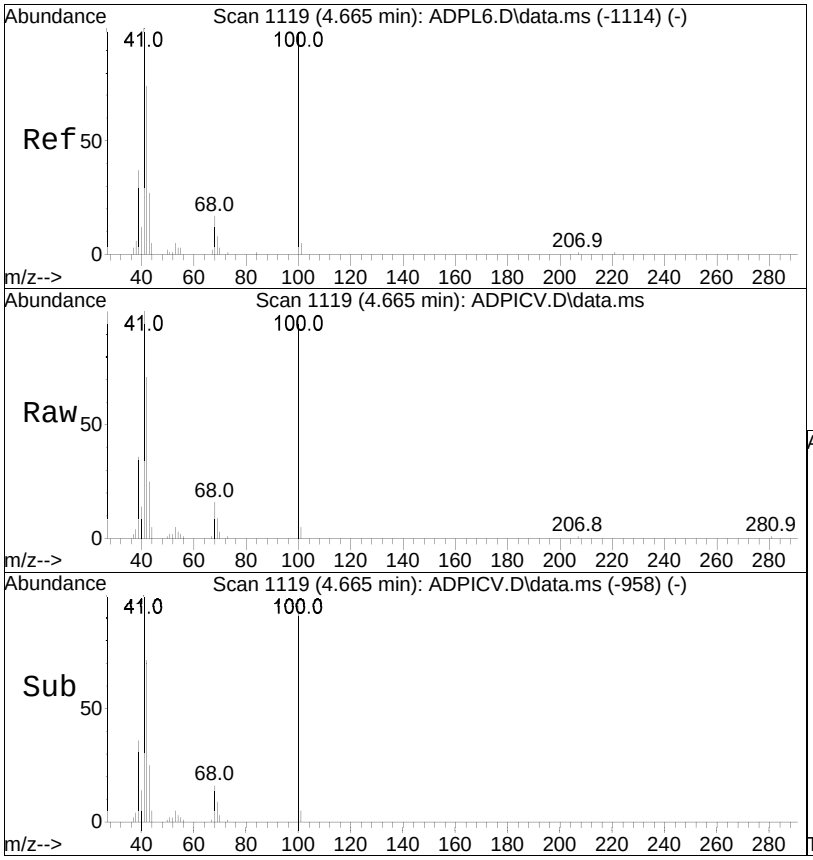


#35
n-Decane
Concen: 5.40 ug/ml
RT: 4.186 min Scan# 965
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 39218

Ion	Ratio	Lower	Upper
57	100		
43	116.0	0.2	0.2#
41	62.8	0.2	0.2#

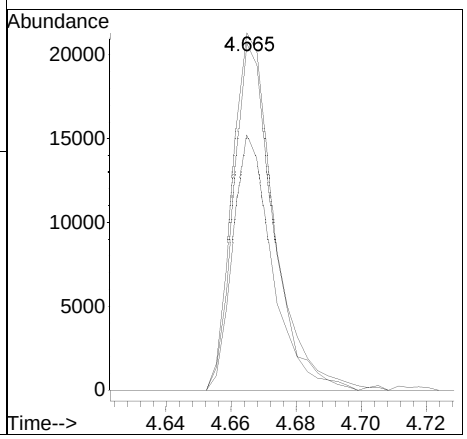


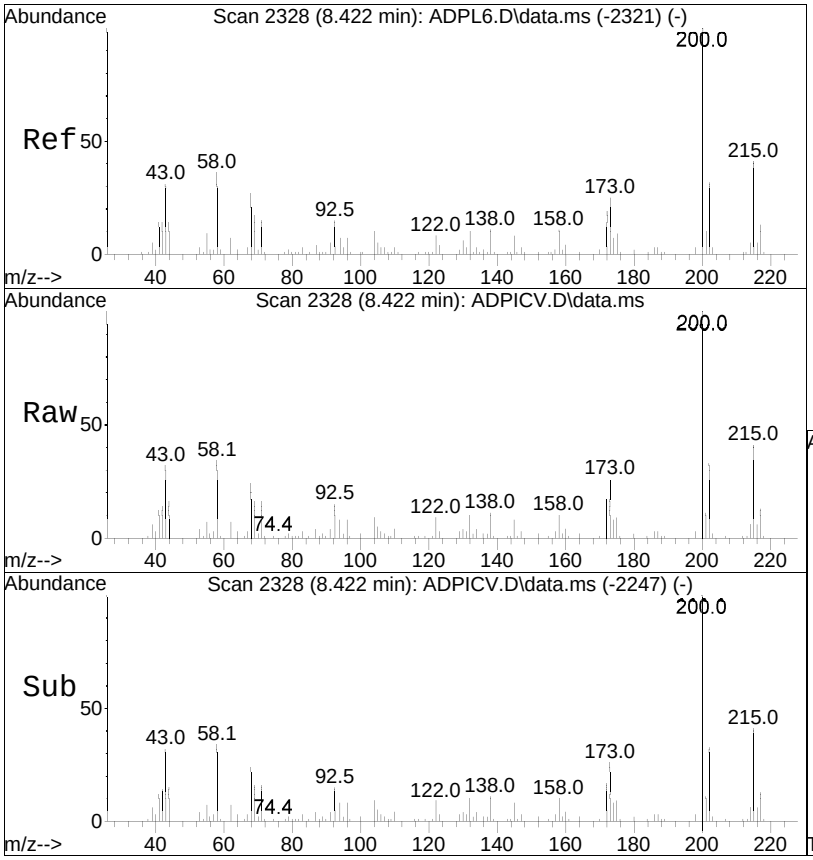


#36
n-Nitrosopyrrolidine
Concen: 5.49 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:100 Resp: 17407

Ion	Ratio	Lower	Upper
100	100		
41	110.0	63.0	94.4#
42	74.0	46.6	70.0#

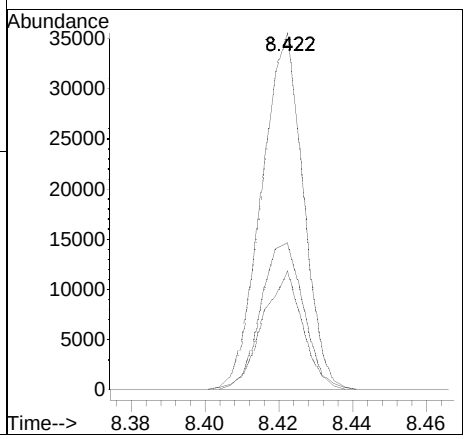


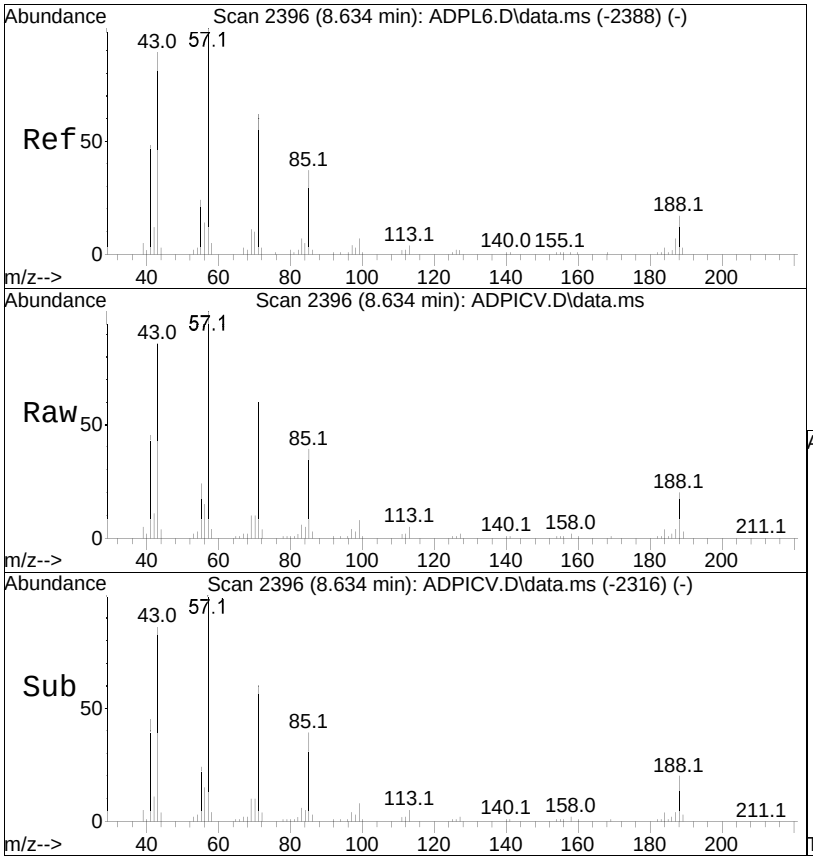


#89
Atrazine
Concen: 5.04 ug/ml
RT: 8.422 min Scan# 2328
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:200 Resp: 27737

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.8	38.6
215	42.1	40.2	60.4

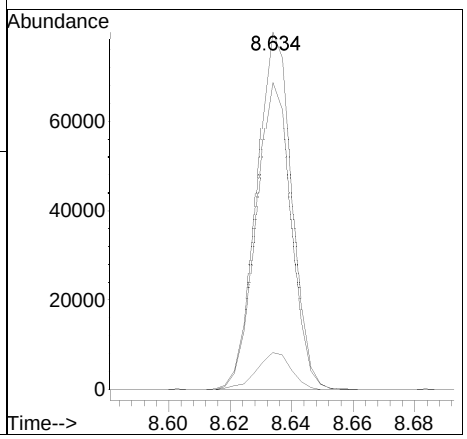


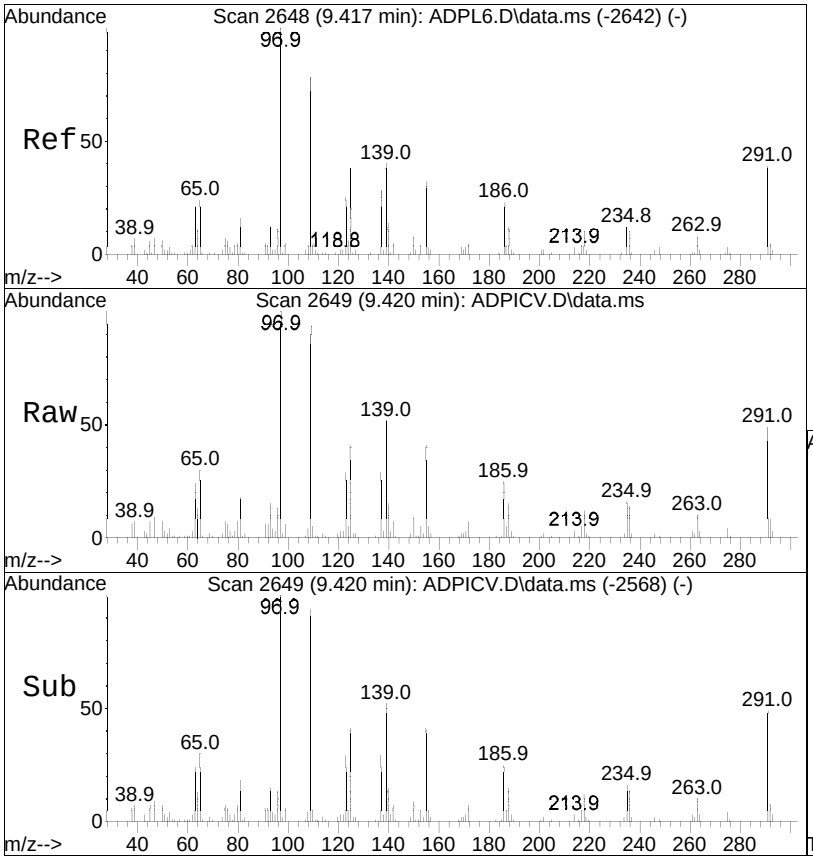


#103
n-Octadecane
Concen: 5.37 ug/ml
RT: 8.634 min Scan# 2396
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 63318

Ion	Ratio	Lower	Upper
57	100		
43	85.6	9.0	13.6#
70	10.2	0.2	0.2#

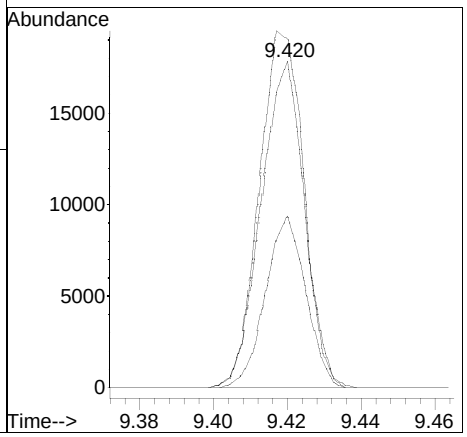


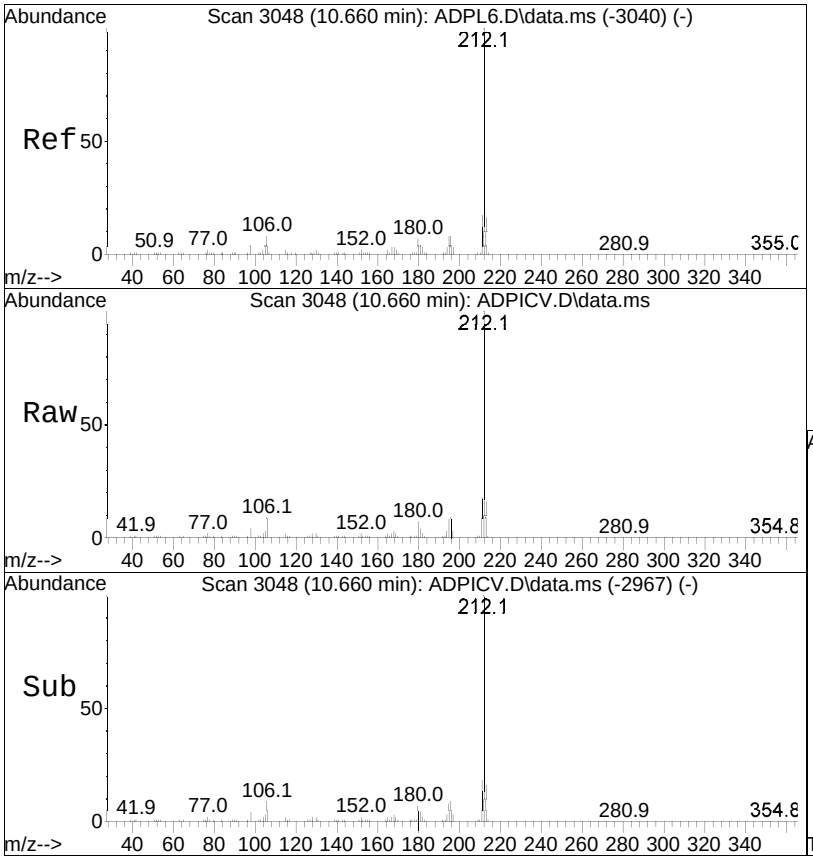


#104
Parathion
Concen: 4.89 ug/ml
RT: 9.420 min Scan# 2649
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:109 Resp: 14391

Ion	Ratio	Lower	Upper
109	100		
97	113.2	87.4	131.2
291	49.4	34.2	51.2

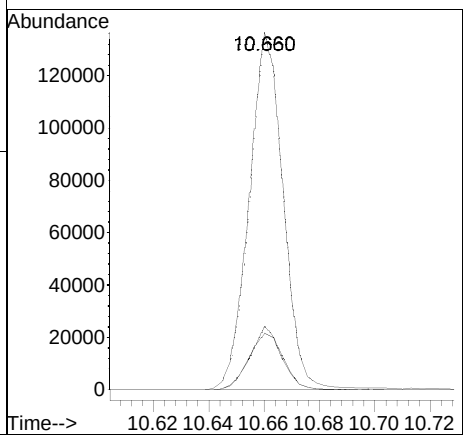




#105
3,3'-Dimethylbenzidine
Concen: 4.51 ug/ml
RT: 10.660 min Scan# 3048
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:212 Resp: 115367

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 4:40 am	Instrument	: Dakota
Sample	: CQICV,32,,ADPICV Lot# 1114	Quant Date	: 11/11/2024 3:35 pm

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
68	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.560	-8.8	1.00	1.235	23.5
104	T Parathion	Q	ug/ml	5.0	4.487	-10.3	0.50	0.639	27.8
105	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.491	-10.2	1.00	1.229	22.9

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
68	T 2,4-Dinitrophenol	Linear	0.995883	0.000000	0.219967	-0.0353966
104	T Parathion	Quadratic	0.997840	0.002726	0.0829685	-0.00379272
105	T 3,3'-Dimethylbenzidine	Linear	0.997212	0.000000	0.864599	-0.15929

Response Factor Report SV112

Method Path : I:\8270\SV112\241215RVTical\
Method File : FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 16 15:06:46 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine		0.661	0.809	0.738	0.736	0.713	0.746	0.768	0.745	0.739	5.74
3)	T	Pyridine	0.755	1.163	1.131	1.335	1.123	1.177	1.201	1.267	1.130	1.143	14.13
4)	S	2-Fluorophenol	1.007	1.105	1.152	1.137	1.148	1.086	1.142	1.151	1.128	1.117	4.21
5)	T	Aniline		1.465	1.705	1.810	1.814	1.732	1.831	1.868	1.859	1.761	7.52
6)	T	2-Chlorophenol	1.190	1.262	1.212	1.329	1.306	1.238	1.275	1.286	1.291	1.265	3.56
7)	S	Phenol-d6	1.290	1.344	1.432	1.460	1.434	1.368	1.433	1.471	1.500	1.415	4.75
8)	T	Phenol	1.435	1.464	1.647	1.653	1.633	1.581	1.656	1.681	1.684	1.604	5.78
9)	T	bis(2-Chloroethyl)ether	1.124	1.326	1.223	1.285	1.250	1.182	1.216	1.197	1.164	1.219	5.07
10)	T	1,3-Dichlorobenzene	1.294	1.599	1.754	1.659	1.632	1.477	1.537	1.506	1.471	1.548	8.60
11)	T	1,4-Dichlorobenzene	1.403	1.671	1.632	1.715	1.611	1.512	1.533	1.521	1.478	1.564	6.39
12)	T	1,2-Dichlorobenzene	1.455	1.562	1.664	1.619	1.553	1.448	1.471	1.463	1.461	1.522	5.29
13)	T	Benzyl alcohol	0.827	0.967	0.953	0.990	0.985	0.976	1.030	1.065	1.097	0.988	7.80
14)	T	bis(2-chloroisopropyl)ether	1.245	1.547	1.445	1.528	1.528	1.444	1.471	1.463	1.399	1.452	6.29
15)	T	2-Methylphenol	1.014	1.036	1.037	1.101	1.072	1.050	1.117	1.158	1.174	1.084	5.21
16)	T	Hexachloroethane	0.548	0.657	0.537	0.614	0.600	0.562	0.588	0.600	0.612	0.591	6.28
17)	T	n-Nitrosodi-n-propylamine		0.828	0.856	0.887	0.860	0.847	0.921	0.954	0.990	0.893	6.39
18)	T	3-Methylphenol/4-Methylphenol	0.929	1.198	1.165	1.210	1.196	1.162	1.208	1.252	1.295	1.179	8.70
19)	S	Nitrobenzene-d5	1.137	1.153	1.197	1.322	1.302	1.260	1.331	1.365	1.391	1.273	7.24
20)	T	Nitrobenzene	1.143	1.323	1.232	1.383	1.312	1.302	1.357	1.378	1.404	1.315	6.31
21)	T	Isophorone	2.014	2.257	2.274	2.284	2.398	2.371	2.473	2.518	2.490	2.342	6.70
22)	T	2-Nitrophenol	0.537	0.490	0.542	0.578	0.610	0.625	0.669	0.721	0.754	0.614	14.34
23)	T	2,4-Dimethylphenol	0.866	1.026	1.073	1.100	1.154	1.093	1.149	1.193	1.240	1.099	9.89
24)	T	bis(2-Chloroethoxy)methane	1.365	1.650	1.630	1.687	1.670	1.596	1.653	1.644	1.638	1.615	6.01
25)	T	2,4-Dichlorophenol	0.925	1.168	1.170	1.213	1.224	1.220	1.263	1.296	1.351	1.203	9.94
26)	T	1,2,4-Trichlorobenzene	1.307	1.490	1.629	1.612	1.509	1.425	1.447	1.448	1.481	1.483	6.56
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.976	0.861	0.861	0.816	0.827	0.775	0.789	0.799	0.786	0.832	7.47
29)	T	Acetophenone	2.243	1.923	1.821	1.768	1.627	1.642	1.773	1.779	1.738	1.813	10.16
30)	T	m-Toluidine			1.128	1.260	1.377	1.345	1.449	1.473	1.463	1.357	9.29
31)	T	2-Chloroaniline	1.589	1.584	1.662	1.547	1.519	1.497	1.588	1.587	1.555	1.570	3.06
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.580	0.486	0.475	0.483	0.455	0.486	0.476	0.456	0.487	8.14
34)	T	n-Decane	1.276	1.216	1.264	1.160	1.220	1.111	1.202	1.200	1.140	1.199	4.53
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.021	1.169	1.122	1.156	1.090	1.038	1.043	0.976	0.827	1.049	10.02
37)	T	Benzoic Acid					0.198	0.220	0.256	0.279	0.294	0.249	16.09
38)	T	4-Chloroaniline	0.088	0.134	0.107	0.127	0.131	0.125	0.133	0.132	0.132	0.123	12.67
39)	T	Hexachlorobutadiene	0.215	0.298	0.280	0.281	0.261	0.245	0.253	0.253	0.246	0.259	9.41
40)	T	p-Chloro-m-cresol	0.240	0.246	0.274	0.286	0.297	0.286	0.305	0.316	0.311	0.285	9.46
41)	T	2-Methylnaphthalene	0.761	0.798	0.709	0.750	0.749	0.701	0.718	0.707	0.651	0.727	5.85
42)	T	1-Methylnaphthalene	0.238	0.256	0.252	0.252	0.253	0.231	0.238	0.242	0.245	0.245	3.50
43)	T	Hexachlorocyclopentadiene	0.247	0.272	0.250	0.283	0.280	0.259	0.276	0.285	0.278	0.270	5.29
44)	T	2,4,6-Trichlorophenol	0.219	0.245	0.254	0.271	0.282	0.267	0.285	0.292	0.289	0.267	9.06
45)	T	2,4,5-Trichlorophenol	0.228	0.263	0.289	0.283	0.303	0.287	0.307	0.310	0.305	0.286	9.24

Response Factor Report SV112

Method Path : I:\8270\SV112\241215RVTical\
Method File : FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 16 15:06:46 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	0.892	1.052	0.946	0.976	0.959	0.891	0.901	0.860	0.745	0.914	9.39
47)	T	2-Chloronaphthalene	0.784	0.818	0.829	0.806	0.797	0.753	0.764	0.741	0.668	0.774	6.37
48)	T	2-Nitroaniline	0.161	0.196	0.174	0.177	0.195	0.200	0.224	0.241	0.245	0.202	14.77
49)	T	1,4-Dinitrobenzene		0.113	0.081	0.097	0.109	0.108	0.119	0.131	0.133	0.111	15.25
50)	T	1,3-Dinitrobenzene		0.108	0.101	0.112	0.123	0.125	0.136	0.147	0.154	0.126	14.85
51)	T	Dimethyl phthalate	0.899	0.957	0.939	0.942	0.966	0.911	0.943	0.906	0.789	0.917	5.81
52)	T	Acenaphthylene	0.911	1.120	1.115	1.154	1.189	1.127	1.164	1.094	0.936	1.090	9.06
53)	T	2,6-Dinitrotoluene	0.138	0.145	0.159	0.161	0.181	0.183	0.195	0.204	0.205	0.175	14.25
54)	T	1,2-Dinitrobenzene		0.065	0.058	0.067	0.083	0.081	0.085	0.090	0.094	0.078	16.67
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.277	0.254	0.252	0.239	0.233	0.230	0.254	0.271	0.270	0.253	6.69
57)	T	3-Chloroaniline	0.102	0.112	0.134	0.144	0.133	0.129	0.138	0.141	0.135	0.130	10.65
58)	T	2,6-Dichlorophenol	0.276	0.310	0.332	0.312	0.304	0.301	0.323	0.328	0.323	0.312	5.55
59)	T	1-chloro-2-nitrobenzene	0.134	0.140	0.150	0.132	0.135	0.135	0.143	0.150	0.148	0.141	5.03
60)	T	Caprolactam			0.102	0.101	0.109	0.116	0.129	0.144	0.147	*L	0.9968
61)	T	1,2,4,5-Tetrachlorobenzene	0.558	0.493	0.516	0.466	0.445	0.428	0.443	0.445	0.422	0.468	9.66
62)	T	Biphenyl	1.173	1.031	1.063	0.972	0.931	0.900	0.932	0.904	0.810	0.969	11.03
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline		0.265	0.261	0.306	0.328	0.320	0.336	0.346	0.342	0.313	10.65
65)	T	Acenaphthene	1.055	1.239	1.206	1.237	1.153	1.058	1.082	1.082	0.982	1.122	8.13
66)	T	2,4-Dinitrophenol			0.132	0.137	0.166	0.173	0.205	0.228	0.224	*L	0.9969
67)	T	Dibenzofuran	1.919	2.281	2.047	2.088	2.009	1.825	1.809	1.713	1.404	1.899	13.27
68)	T	2,4-Dinitrotoluene	0.296	0.316	0.323	0.365	0.409	0.422	0.450	0.477	0.465	0.392	17.58
69)	T	4-Nitrophenol		0.163	0.227	0.240	0.251	0.256	0.268	0.282	0.273	0.245	15.34
70)	T	2,3,5,6-Tetrachlorophenol	0.296	0.348	0.398	0.434	0.440	0.434	0.447	0.465	0.447	0.412	13.56
71)	T	2,3,4,6-Tetrachlorophenol	0.308	0.339	0.383	0.439	0.433	0.416	0.433	0.445	0.426	0.402	12.12
72)	T	Diethyl phthalate	1.280	1.498	1.471	1.605	1.598	1.502	1.501	1.478	1.307	1.471	7.61
73)	T	Fluorene	1.432	1.564	1.483	1.543	1.515	1.422	1.423	1.405	1.222	1.446	7.02
74)	T	4-Chlorophenyl-phenylether	0.759	0.929	0.795	0.871	0.814	0.755	0.757	0.749	0.697	0.792	8.92
75)	T	4-Nitroaniline	0.209	0.219	0.325	0.327	0.332	0.322	0.351	0.370	0.341	0.311	18.30
76)	T	4,6-Dinitro-o-cresol			0.169	0.211	0.244	0.252	0.270	0.305	0.298	*L	0.9982
77)	T	NDPA/DPA	1.004	1.283	1.212	1.273	1.294	1.214	1.238	1.232	1.092	1.205	7.97
78)	T	Azobenzene	1.167	1.278	1.341	1.398	1.419	1.344	1.366	1.352	1.160	1.314	7.14
79)	S	2,4,6-Tribromophenol		0.239	0.178	0.255	0.250	0.242	0.252	0.268	0.269	0.244	11.79
80)	T	4-Bromophenyl-phenylether	0.429	0.573	0.522	0.543	0.521	0.483	0.495	0.504	0.480	0.505	8.14
81)	T	Hexachlorobenzene	0.659	0.657	0.656	0.658	0.606	0.572	0.583	0.583	0.571	0.616	6.60
82)	T	Pentachlorophenol		0.257	0.256	0.298	0.338	0.346	0.386	0.408	0.392	0.335	17.82
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.142	0.148	0.153	0.149	0.146	0.162	0.185	0.214	0.222	0.169	18.03
85)	T	Pentachloronitrobenzene	0.165	0.173	0.163	0.173	0.174	0.188	0.213	0.228	0.229	0.190	14.06
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.302	0.349	0.342	0.339	0.362	0.362	0.402	0.432	0.456	0.372	13.14
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.220	1.316	1.224	1.226	1.157	1.085	1.074	0.998	0.796	1.122	13.93
90)	T	Anthracene	1.082	1.205	1.195	1.157	1.142	1.072	1.093	1.023	0.815	1.087	10.88

Response Factor Report SV112

Method Path : I:\8270\SV112\241215RVTical\
Method File : FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 16 15:06:46 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	0.894	1.029	1.028	1.056	1.055	1.006	1.024	0.961	0.783	0.982	9.19
92)	T	Di-n-butylphthalate	0.899	1.051	1.033	1.075	1.152	1.131	1.200	1.135	0.850	1.059	11.05
93)	T	Fluoranthene	1.332	1.444	1.373	1.402	1.370	1.301	1.328	1.213	0.912	1.297	12.23
94)	T	Benzidine			0.490	0.594	0.660	0.691	0.764	0.795	0.674	0.667	15.39
95)	T	Pyrene	1.343	1.473	1.502	1.491	1.456	1.394	1.401	1.254	0.956	1.363	12.62
96)	S	4-Terphenyl-d14	1.025	1.160	1.160	1.171	1.137	1.060	1.086	1.017	0.793	1.068	11.10
97)	T	Butyl benzyl phthalate		0.368	0.384	0.397	0.457	0.484	0.547	0.602	0.530	0.471	18.00
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.459	0.406	0.419	0.417	0.427	0.436	0.492	0.530	0.506	0.455	9.78
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.284	0.281	0.278	0.287	0.294	0.320	0.344	0.373	0.376	0.315	12.62
102)	T	Parathion	0.047	0.075	0.062	0.062	0.066	0.070	0.087	0.105	0.124	*Q	0.9987
103)	T	3,3'-Dimethylbenzidine				0.317	0.444	0.511	0.662	0.762	0.769	*L	0.9962
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.280	1.380	1.331	1.338	1.314	1.255	1.283	1.164	0.907	1.250	11.39
106)	T	3,3'-Dichlorobenzidine	0.355	0.366	0.407	0.439	0.456	0.456	0.501	0.512	0.461	0.439	12.37
107)	T	Chrysene	1.420	1.504	1.489	1.456	1.325	1.206	1.206	1.066	0.813	1.276	17.99
108)	T	bis(2-Ethylhexyl)phthalate	0.445	0.528	0.518	0.580	0.659	0.677	0.761	0.778	0.633	0.620	18.12
109)	T	Di-n-octylphthalate	0.758	0.784	0.824	0.882	0.997	1.072	1.233	1.183	0.877	0.957	18.15
110)	T	Benzo(b)fluoranthene	1.188	1.353	1.390	1.462	1.385	1.374	1.319	1.176	1.053	1.300	10.14
111)	T	Benzo(k)fluoranthene	1.109	1.262	1.312	1.354	1.358	1.204	1.285	1.105	0.752	1.193	15.96
112)	T	Benzo(a)pyrene	0.951	1.102	1.201	1.238	1.239	1.173	1.193	1.072	0.876	1.116	11.57
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	0.902	1.300	1.120	1.232	1.195	1.179	1.181	1.202	1.100	1.157	9.67
115)	T	Dibenzo[a,h]anthracene	0.933	1.132	1.125	1.194	1.187	1.100	1.129	1.075	0.926	1.089	8.97
116)	T	Benzo(g,h,i)perylene	1.032	1.137	1.164	1.181	1.144	1.060	1.076	1.044	0.937	1.086	7.17

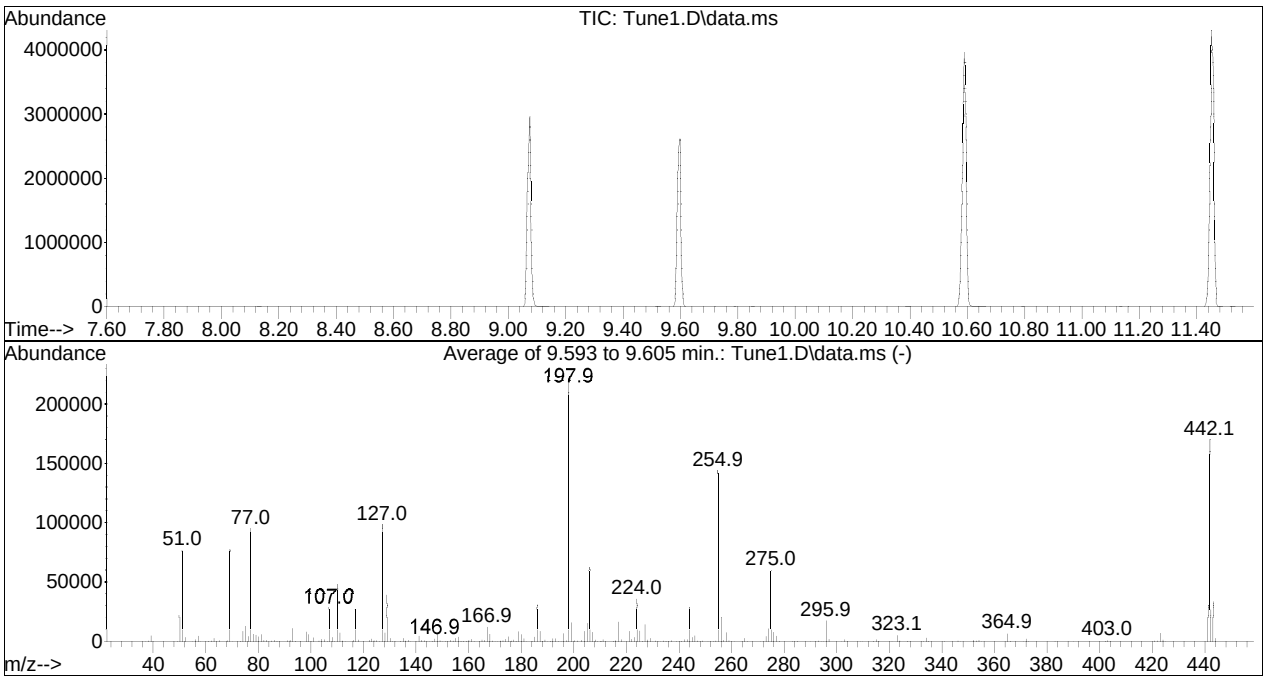
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune1.D
Acq On : 15 Dec 2024 09:33 pm
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 16 15:06:46 2024



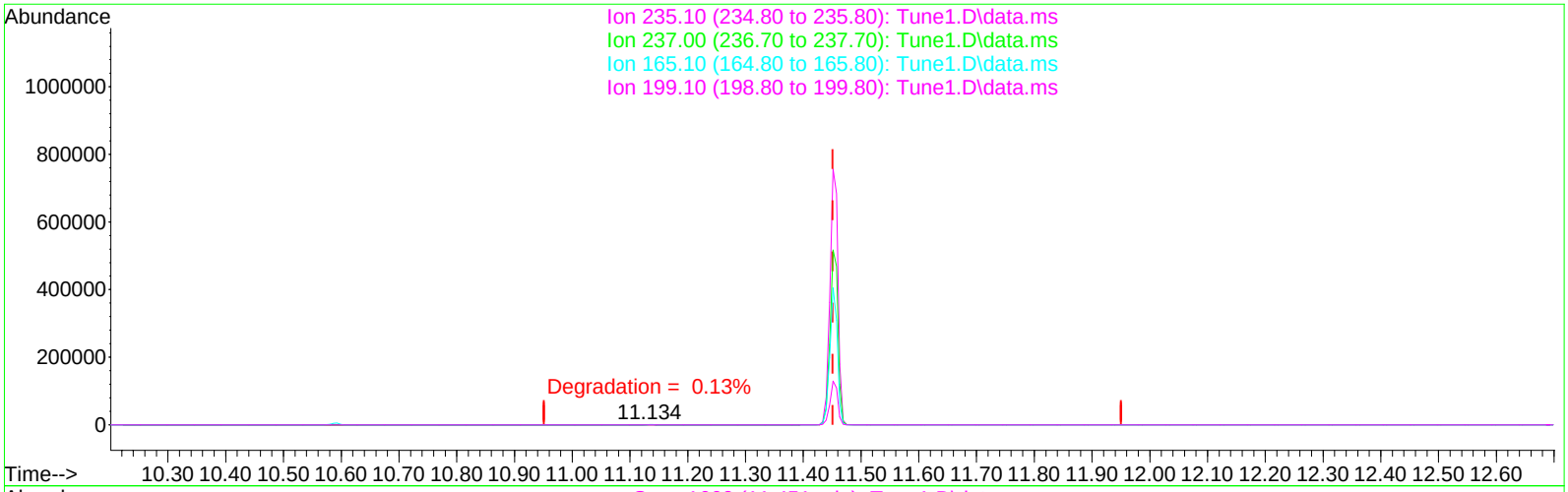
Spectrum Information: Average of 9.593 to 9.605 min.

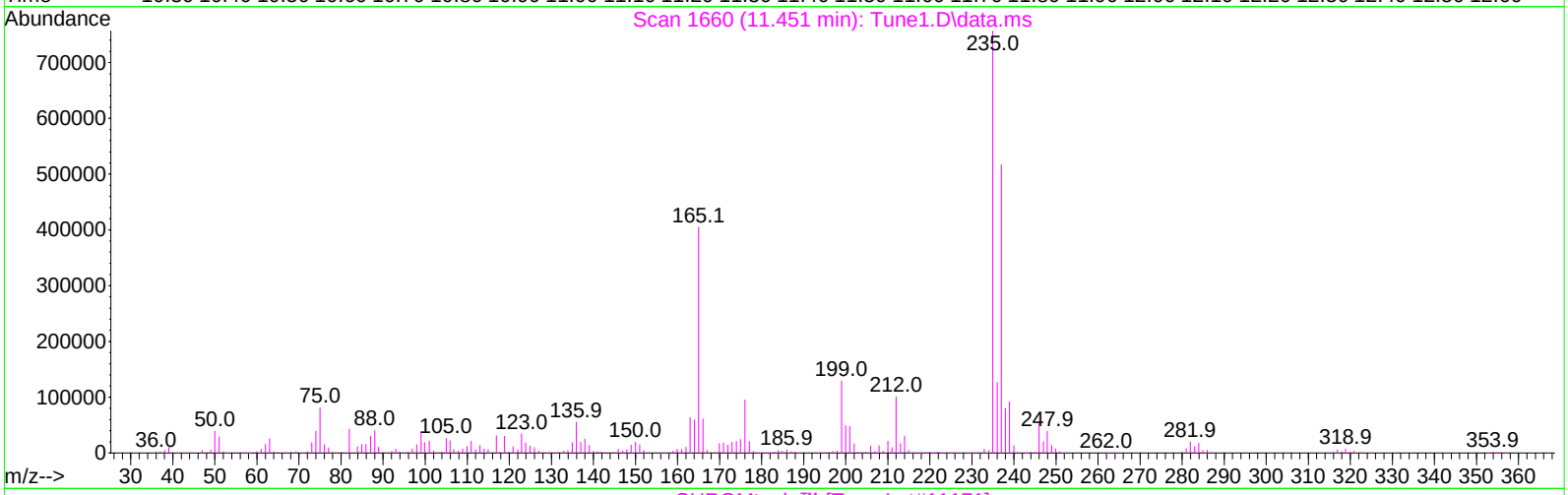
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.6	76763	PASS
68	69	0.00	2	1.7	1314	PASS
69	69	100	100	100.0	77640	PASS
70	69	0.00	2	0.6	432	PASS
127	198	10	80	44.2	98099	PASS
197	198	0.00	2	0.7	1488	PASS
198	198	100	100	100.0	222157	PASS
199	198	5	9	7.1	15697	PASS
275	198	10	60	26.9	59837	PASS
365	198	1	100	3.0	6699	PASS
441	442	0.01	24	17.9	30445	PASS
442	198	50	100	76.5	169984	PASS
443	442	15	24	20.0	33968	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune1.D
Acq On : 15 Dec 2024 09:33 pm
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 16 07:05:23 2024
Quant Method : I:\8270\SV112\241215RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#11171]

(6) DDT (T)

11.451min (+ 0.000) 120.80

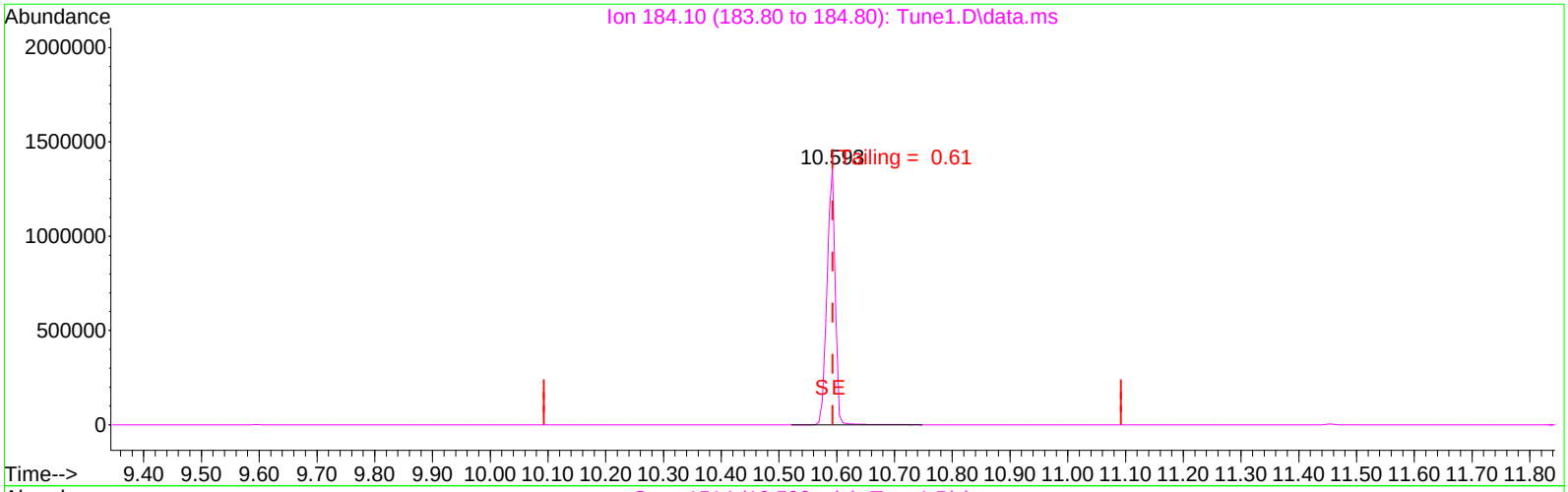
response 736354

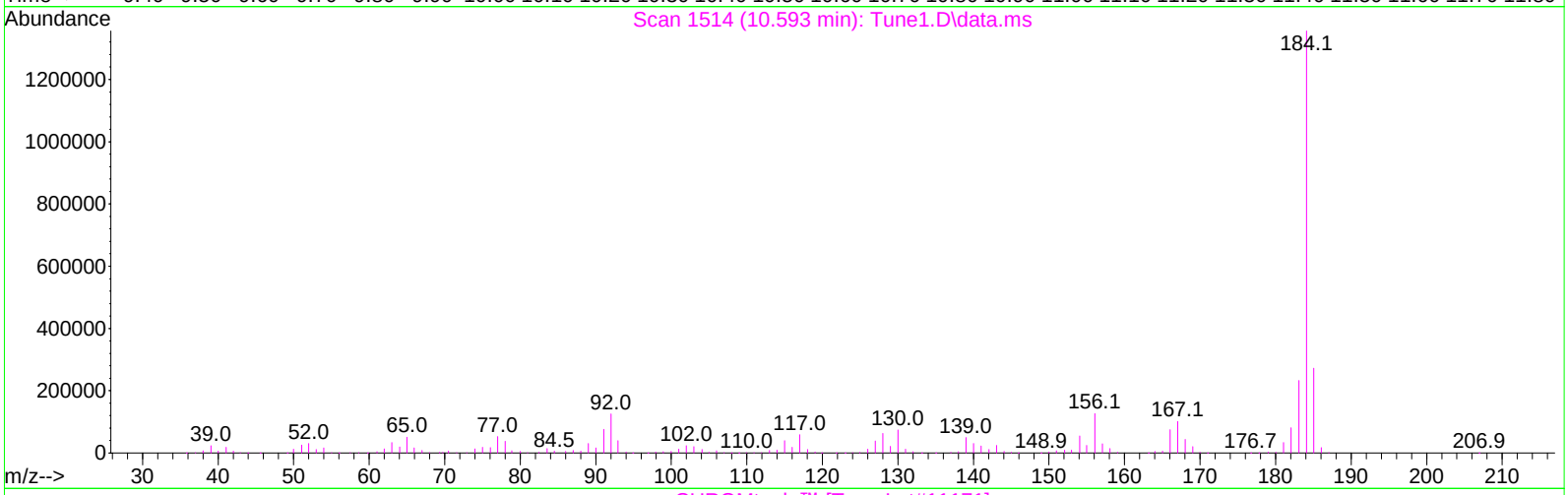
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.53
165.10	42.20	49.40
199.10	13.70	16.17

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune1.D
Acq On : 15 Dec 2024 09:33 pm
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 16 07:05:23 2024
Quant Method : I:\8270\SV112\241215RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#11171]

(3) Benzidine (T)

10.593min (-0.000) 133.34

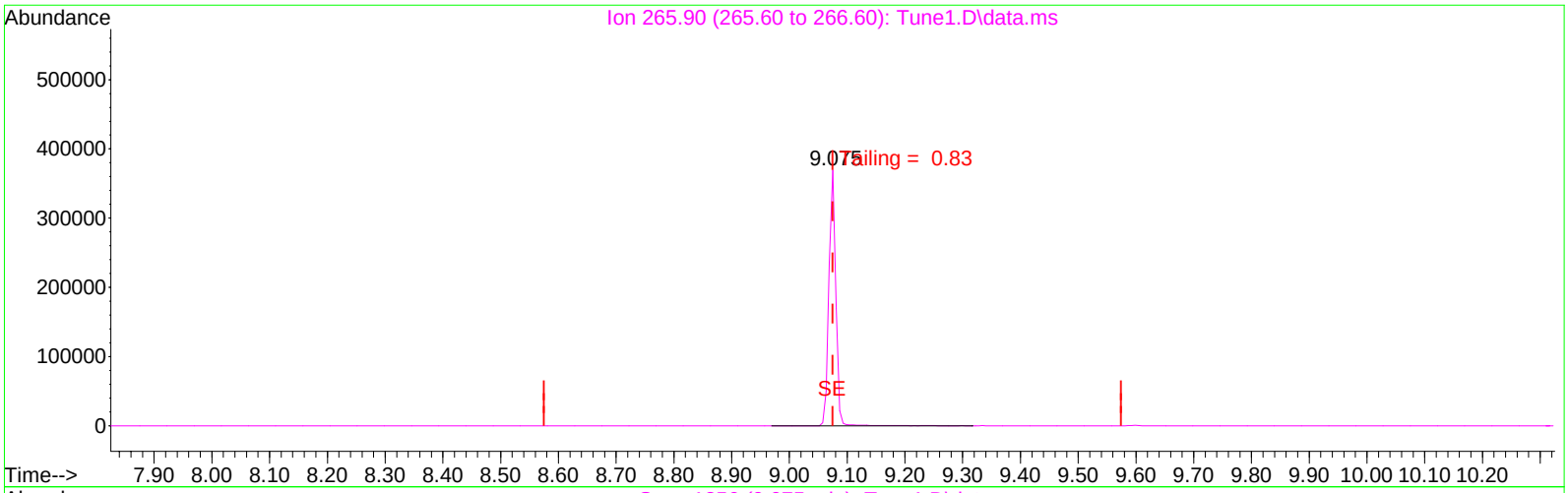
response 1357380

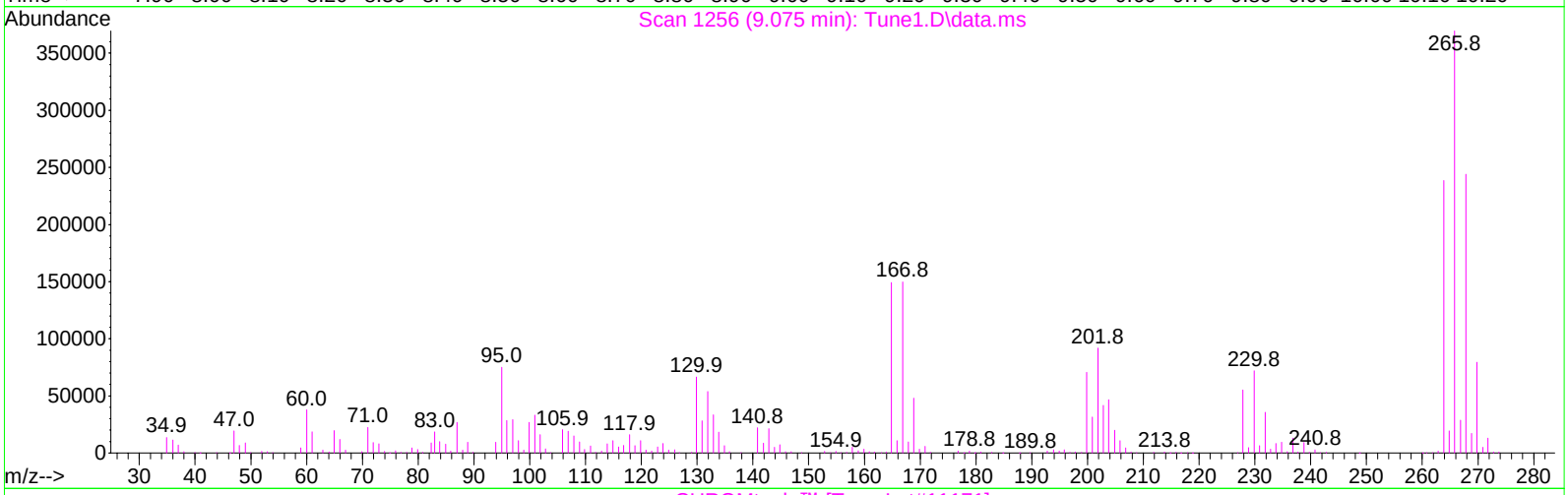
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune1.D
Acq On : 15 Dec 2024 09:33 pm
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 16 07:05:23 2024
Quant Method : I:\8270\SV112\241215RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#11171]

(1) Pentachlorophenol (T)

9.075min (+ 0.000) 145.48

response 305551

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL9.D
Acq On : 15 Dec 2024 09:56 pm
Operator : SV112:HNY
Sample : IL2,32,,ABNL50 Lot# 11175
Misc : WG2010188
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:41:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	32937	4.000	ug/ml	# 0.00
Standard Area 1 = 28125			Recovery = 117.11%			
35) IS1_Naphthalene-d8	6.075	136	131832	4.000	ug/ml	0.00
Standard Area 1 = 105297			Recovery = 125.20%			
63) IS1_Acenaphthene-d10	7.799	164	86654	4.000	ug/ml	0.00
Standard Area 1 = 65814			Recovery = 131.66%			
88) IS1_Phenanthrene-d10	9.240	188	176754	4.000	ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 127.52%			
104) IS1_Chrysene-d12	11.916	240	204620	4.000	ug/ml	0.01
Standard Area 1 = 159911			Recovery = 127.96%			
113) IS1_Perylene-d12	13.392	264	210279	4.000	ug/ml	0.00
Standard Area 1 = 177145			Recovery = 118.70%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.564	112	464377	50.471	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2523.55%#			
7) Phenol-d6	4.511	99	617731	53.024	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 2651.20%#			
19) Nitrobenzene-d5	5.381	82	572509	54.616	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 5461.60%#			
46) 2-Fluorobiphenyl	7.152	172	1227089	40.747	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4074.70%#			
79) 2,4,6-Tribromophenol	8.569	330	291042	55.063	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2753.15%#			
96) 4-Terphenyl-d14	10.834	244	1752942	37.155	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 3715.50%#			

Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.205	74	306557	50.346	ug/ml#	96
3) Pyridine	2.234	79	465354	49.464	ug/ml#	79
5) Aniline	4.516	93	765239	52.786	ug/ml#	47
6) 2-Chlorophenol	4.628	128	531613	51.021	ug/ml	96
8) Phenol	4.522	94	693472	52.509	ug/ml#	47
9) Bis(2-chloroethyl)ether	4.593	93	479369	47.773	ug/ml	97
10) 1,3-Dichlorobenzene	4.775	146	605537	47.517	ug/ml	96
11) 1,4-Dichlorobenzene	4.852	146	608656	47.263	ug/ml	96
12) 1,2-Dichlorobenzene	4.999	146	601393	47.995	ug/ml	95
13) Benzyl alcohol	4.987	79	451655	55.532	ug/ml	95
14) Bis(2-chloroisopropyl)...	5.122	45	576182	48.181	ug/ml#	46

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL9.D
Acq On : 15 Dec 2024 09:56 pm
Operator : SV112:HNY
Sample : IL2,32,,ABNL50 Lot# 11175
Misc : WG2010188
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:41:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.111	108	483159	54.106	ug/ml	98
16) Hexachloroethane	5.328	117	251859	51.764	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.258	70	407677	55.453	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.269	108	533221	54.907	ug/ml	98
20) Nitrobenzene	5.399	77	578107	53.388	ug/ml	97
21) Isophorone	5.640	82	1025269	53.161	ug/ml	96
22) 2-Nitrophenol	5.710	139	310482	61.418	ug/ml	96
23) 2,4-Dimethylphenol	5.787	107	510381	56.382	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.875	93	674517	50.733	ug/ml	96
25) 2,4-Dichlorophenol	5.952	162	556095	56.123	ug/ml	94
26) 1,2,4-Trichlorobenzene	6.034	180	609892	49.940	ug/ml	98
36) Naphthalene	6.099	128	1362952	39.416	ug/ml#	89
37) Benzoic Acid	5.946	105	484772	58.999	ug/ml	97
38) 4-Chloroaniline	6.169	65	217770	53.629	ug/ml	95
39) Hexachlorobutadiene	6.246	225	405531	47.453	ug/ml	98
40) p-Chloro-m-cresol	6.663	107	512311	54.620	ug/ml	92
41) 2-Methylnaphthalene	6.781	142	1073500	44.793	ug/ml	95
42) 1-Methylnaphthalene	6.875	115	403448	49.934	ug/ml	89
43) Hexachlorocyclopentadiene	6.952	237	457455	51.439	ug/ml	99
44) 2,4,6-Trichlorophenol	7.069	196	476712	54.127	ug/ml	98
45) 2,4,5-Trichlorophenol	7.099	196	502446	53.287	ug/ml	97
47) 2-Chloronaphthalene	7.252	162	1101553	43.207	ug/ml#	95
48) 2-Nitroaniline	7.363	138	404231	60.864	ug/ml	94
49) 1,4-Dinitrobenzene	7.499	168	218646	59.599	ug/ml	84
50) 1,3-Dinitrobenzene	7.575	168	253844	61.246	ug/ml	83
51) Dimethyl phthalate	7.575	163	1300074	43.018	ug/ml#	93
52) Acenaphthylene	7.657	152	1542025	42.929	ug/ml#	84
53) 2,6-Dinitrotoluene	7.616	165	338609	58.786	ug/ml	93
54) 1,2-Dinitrobenzene	7.663	168	155665	60.648	ug/ml#	1
64) 3-Nitroaniline	7.775	138	370603	54.670	ug/ml	94
65) Acenaphthene	7.828	154	1063549	43.773	ug/ml	95
66) 2,4-Dinitrophenol	7.869	184	242813	50.557	ug/ml#	86
67) Dibenzofuran	7.999	168	1521155	36.967	ug/ml	92
68) 2,4-Dinitrotoluene	8.004	165	504180	59.435	ug/ml	89
69) 4-Nitrophenol	7.957	65	295499	55.669	ug/ml	94
70) 2,3,5,6-Tetrachlorophenol	8.087	232	483738	54.192	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.128	232	461264	52.925	ug/ml	99
72) Diethyl phthalate	8.263	149	1415183	44.406	ug/ml#	89
73) Fluorene	8.334	166	1324107	42.282	ug/ml#	97
74) 4-Chlorophenyl phenyl ...	8.346	204	755085	44.023	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL9.D
Acq On : 15 Dec 2024 09:56 pm
Operator : SV112:HNY
Sample : IL2,32,,ABNL50 Lot# 11175
Misc : WG2010188
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:41:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.375	138	369228	54.838	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.404	198	322394	50.252	ug/ml#	77
77)	NDPA/DPA	8.469	169	1182321	45.307	ug/ml#	86
78)	Azobenzene	8.504	77	1256321	44.140	ug/ml#	88
80)	4-Bromophenyl phenyl e...	8.822	248	519656M3	47.459	ug/ml	
81)	Hexachlorobenzene	8.875	284	618153	46.317	ug/ml#	86
82)	Pentachlorophenol	9.069	266	424222	58.440	ug/ml	99
89)	Phenanthrene	9.263	178	1757730	35.463	ug/ml#	80
90)	Anthracene	9.316	178	1801022	37.484	ug/ml#	80
91)	Carbazole	9.481	167	1730266	39.885	ug/ml#	82
92)	Di-n-butylphthalate	9.863	149	1878932	40.167	ug/ml#	86
93)	Fluoranthene	10.428	202	2014390	35.146	ug/ml#	86
94)	Benzidine	10.581	184	1489554	50.544	ug/ml#	94
95)	Pyrene	10.651	202	2111717	35.050	ug/ml#	75
97)	Butyl benzyl phthalate	11.363	149	1170857	56.234	ug/ml#	96
105)	Benzo(a)anthracene	11.904	228	2319584	36.268	ug/ml#	76
106)	3,3'-Dichlorobenzidine	11.904	252	1178189	52.449	ug/ml	92
107)	Chrysene	11.945	228	2078180M3	31.833	ug/ml	
108)	Bis(2-ethylhexyl)phtha...	12.004	149	1618158	51.037	ug/ml#	85
109)	Di-n-octylphthalate	12.698	149	2242168	45.818	ug/ml#	92
110)	Benzo(b)fluoranthene	13.028	252	2693584	40.505	ug/ml#	89
111)	Benzo(k)fluoranthene	13.063	252	1922514M3	31.495	ug/ml	
112)	Benzo(a)pyrene	13.351	252	2240441	39.239	ug/ml#	90
114)	Indeno(1,2,3-cd)pyrene	14.434	276	2891117M6	47.545	ug/mL	
115)	Dibenzo(a,h)anthracene	14.457	278	2434930	42.539	ug/ml#	90
116)	Benzo(ghi)perylene	14.716	276	2462763	43.133	ug/ml#	93

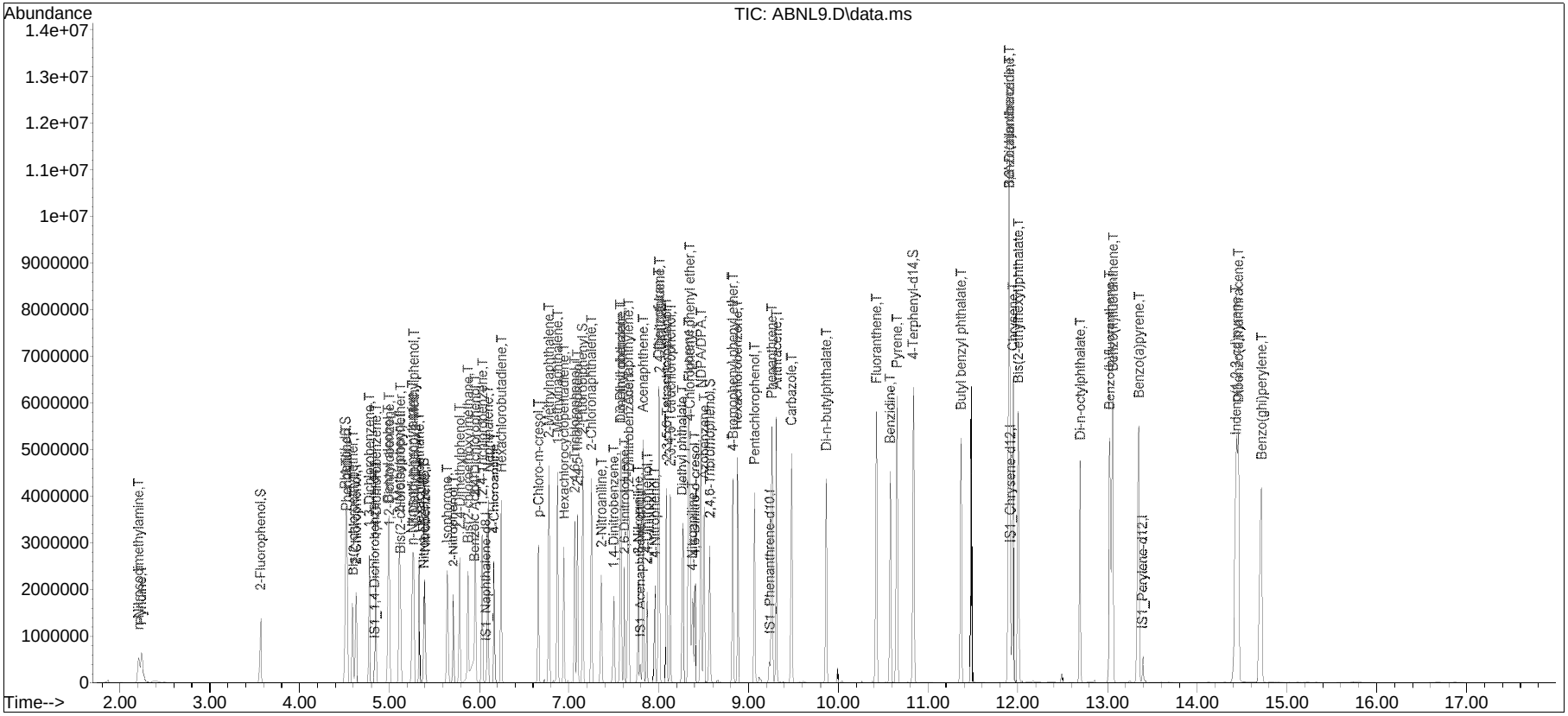
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL9.D
Acq On : 15 Dec 2024 09:56 pm
Operator : SV112:HNY
Sample : IL2,32,,ABNL50 Lot# 11175
Misc : WG2010188
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:41:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

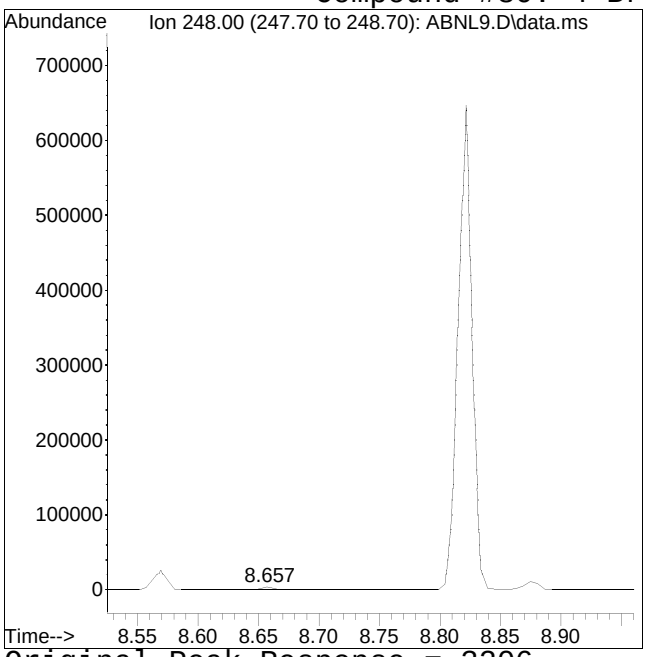
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

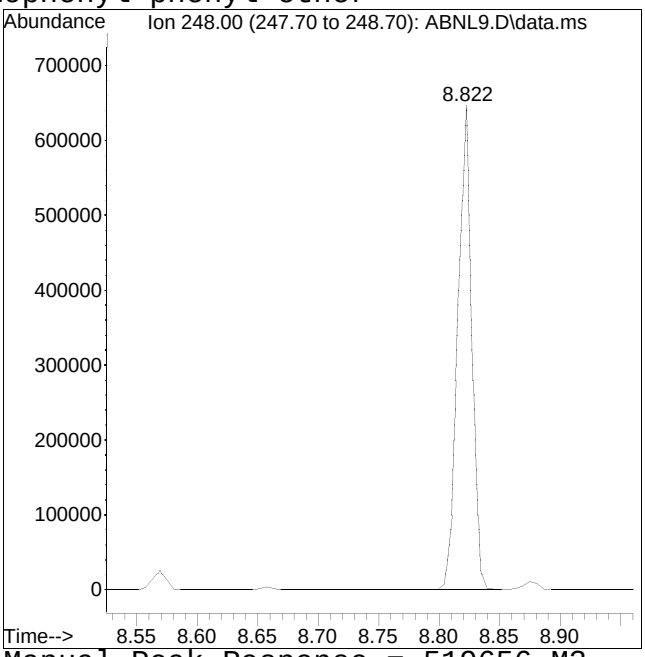


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL9.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 9:56 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11175 Quant Date : 12/16/2024 2:42 pm

Compound #80: 4-Bromophenyl phenyl ether





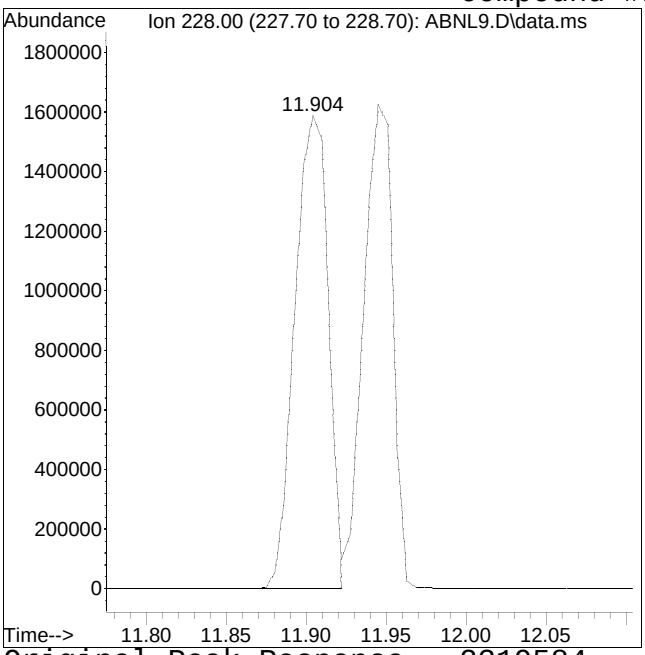
Original Peak Response = 3206 Manual Peak Response = 519656 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

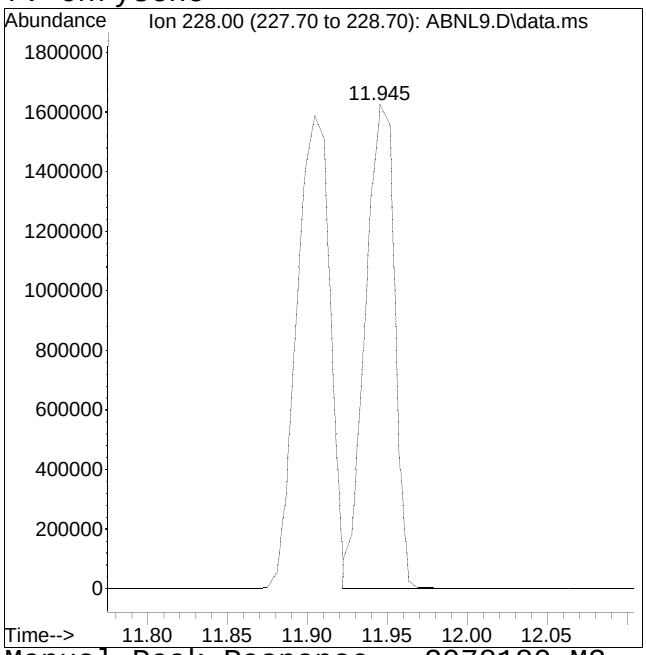
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL9.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 9:56 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11175 Quant Date : 12/16/2024 2:42 pm

Compound #107: Chrysene



Original Peak Response = 2319584



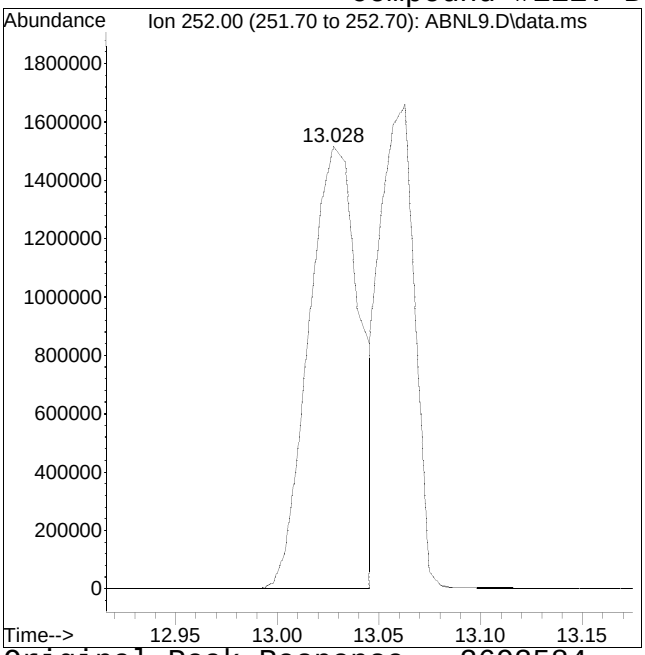
Manual Peak Response = 2078180 M3

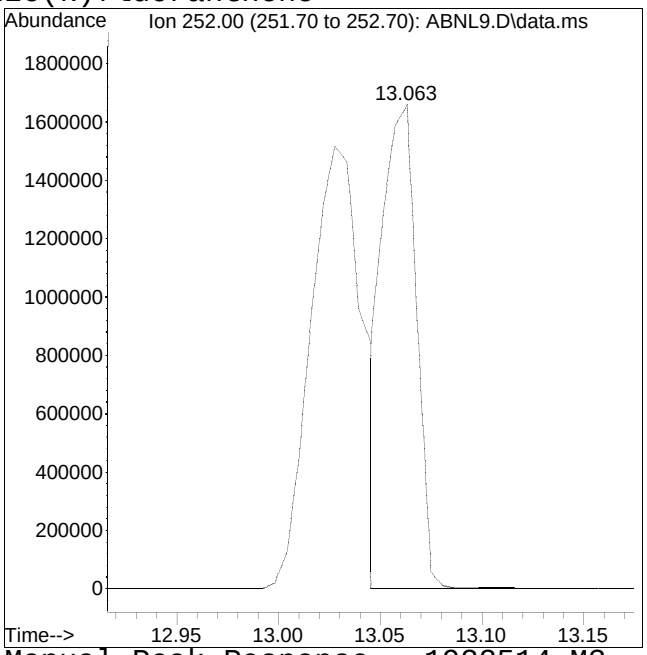
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL9.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 9:56 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11175 Quant Date : 12/16/2024 2:42 pm

Compound #111: Benzo(k)fluoranthene



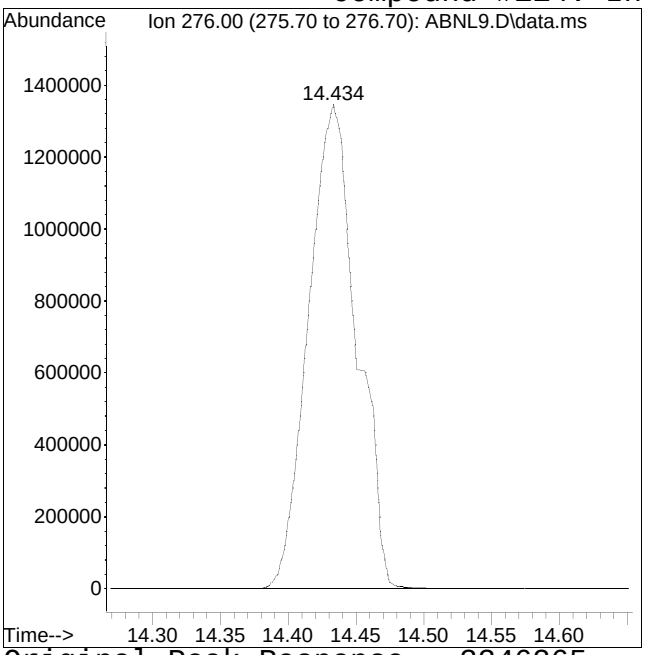


Original Peak Response = 2693584 Manual Peak Response = 1922514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

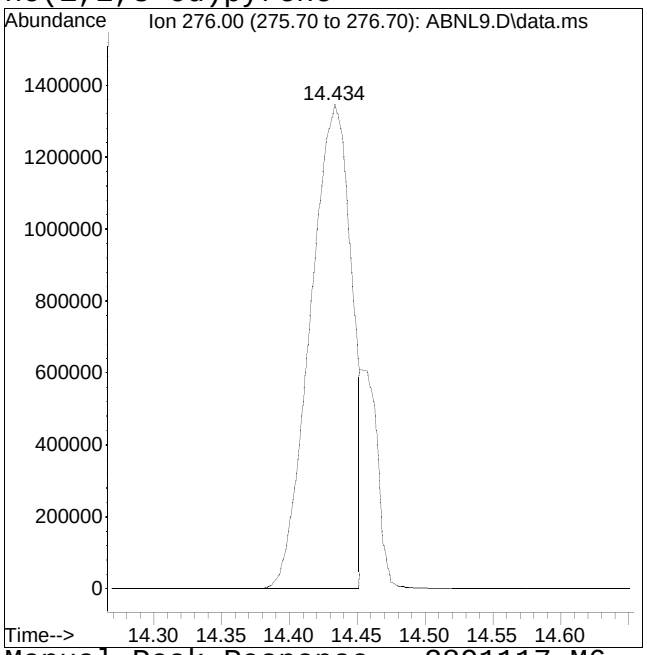
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL9.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 9:56 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11175 Quant Date : 12/16/2024 2:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3346265



Manual Peak Response = 2891117 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL8.D
Acq On : 15 Dec 2024 10:20 pm
Operator : SV112:HNY
Sample : IL3,32,,ABNL25 Lot# 11176
Misc : WG2010188
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:40:49 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	32201	4.000 ug/ml	# 0.00
Standard Area 1 = 28125			Recovery = 114.49%		
35) IS1_Naphthalene-d8	6.075	136	122488	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 116.33%		
63) IS1_Acenaphthene-d10	7.793	164	77976	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 118.48%		
88) IS1_Phenanthrene-d10	9.234	188	162762	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 117.43%		
104) IS1_Chrysene-d12	11.910	240	191136	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 119.53%		
113) IS1_Perylene-d12	13.392	264	200433	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 113.15%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.552	112	231659	25.754 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1287.70%#		
7) Phenol-d6	4.499	99	296043	25.992 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1299.60%#		
19) Nitrobenzene-d5	5.375	82	274686	26.803 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2680.30%#		
46) 2-Fluorobiphenyl	7.151	172	658397	23.531 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2353.10%#		
79) 2,4,6-Tribromophenol	8.563	330	130381	27.412 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1370.60%#		
96) 4-Terphenyl-d14	10.834	244	1034776	23.818 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2381.80%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.187	74	154554	25.963 ug/ml#	96
3) Pyridine	2.216	79	254995M1	27.724 ug/ml	
5) Aniline	4.505	93	376034	26.531 ug/ml#	49
6) 2-Chlorophenol	4.622	128	258797	25.405 ug/ml	97
8) Phenol	4.510	94	338287	26.200 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.587	93	240976	24.564 ug/ml	98
10) 1,3-Dichlorobenzene	4.769	146	303148	24.332 ug/ml	96
11) 1,4-Dichlorobenzene	4.846	146	306167	24.318 ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	294341	24.027 ug/ml	96
13) Benzyl alcohol	4.975	79	214364	26.959 ug/ml	97
14) Bis(2-chloroisopropyl)...	5.116	45	294481	25.188 ug/ml#	52

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL8.D
Acq On : 15 Dec 2024 10:20 pm
Operator : SV112:HNY
Sample : IL3,32,,ABNL25 Lot# 11176
Misc : WG2010188
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:40:49 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	233117	26.702	ug/ml	98
16) Hexachloroethane	5.322	117	120713	25.377	ug/ml#	64
17) n-Nitrosodi-n-propylamine	5.246	70	192057	26.721	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.263	108	251904	26.532	ug/ml	97
20) Nitrobenzene	5.393	77	277422	26.206	ug/ml	99
21) Isophorone	5.634	82	506811	26.879	ug/ml	98
22) 2-Nitrophenol	5.705	139	145102	29.359	ug/ml	96
23) 2,4-Dimethylphenol	5.775	107	240195	27.141	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.869	93	330785	25.448	ug/ml	98
25) 2,4-Dichlorophenol	5.946	162	260925	26.935	ug/ml	94
26) 1,2,4-Trichlorobenzene	6.028	180	291346	24.402	ug/ml	96
36) Naphthalene	6.093	128	747352	23.262	ug/ml	96
37) Benzoic Acid	5.904	105	213533	27.971	ug/ml	98
38) 4-Chloroaniline	6.163	65	101034	26.779	ug/ml	98
39) Hexachlorobutadiene	6.240	225	193852	24.414	ug/ml	99
40) p-Chloro-m-cresol	6.657	107	242140	27.785	ug/ml	94
41) 2-Methylnaphthalene	6.775	142	541444	24.316	ug/ml	97
42) 1-Methylnaphthalene	6.869	115	185273	24.680	ug/ml	97
43) Hexachlorocyclopentadiene	6.946	237	217937	26.376	ug/ml	99
44) 2,4,6-Trichlorophenol	7.063	196	223396	27.300	ug/ml	99
45) 2,4,5-Trichlorophenol	7.093	196	237548	27.115	ug/ml	98
47) 2-Chloronaphthalene	7.251	162	567469	23.956	ug/ml	94
48) 2-Nitroaniline	7.357	138	184549	29.907	ug/ml	95
49) 1,4-Dinitrobenzene	7.493	168	100290	29.423	ug/ml	85
50) 1,3-Dinitrobenzene	7.569	168	112212	29.139	ug/ml	85
51) Dimethyl phthalate	7.563	163	693768	24.707	ug/ml	97
52) Acenaphthylene	7.651	152	837216	25.085	ug/ml	93
53) 2,6-Dinitrotoluene	7.604	165	155989	29.147	ug/ml	91
54) 1,2-Dinitrobenzene	7.651	168	68641	28.783	ug/ml#	1
64) 3-Nitroaniline	7.763	138	168527	27.627	ug/ml	95
65) Acenaphthene	7.822	154	527123	24.109	ug/ml	96
66) 2,4-Dinitrophenol	7.863	184	110928	25.842	ug/ml#	84
67) Dibenzofuran	7.993	168	835048	22.552	ug/ml	97
68) 2,4-Dinitrotoluene	7.993	165	232670	30.481	ug/ml	89
69) 4-Nitrophenol	7.946	65	137468	28.780	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	8.081	232	226827	28.239	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.122	232	216759	27.638	ug/ml	99
72) Diethyl phthalate	8.257	149	720324	25.118	ug/ml#	94
73) Fluorene	8.328	166	684870	24.303	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.346	204	364904	23.642	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL8.D
Acq On : 15 Dec 2024 10:20 pm
Operator : SV112:HNY
Sample : IL3,32,,ABNL25 Lot# 11176
Misc : WG2010188
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:40:49 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.363	138	180557	29.801	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.393	198	148804	25.922	ug/ml#	76
77)	NDPA/DPA	8.463	169	600516	25.573	ug/ml	91
78)	Azobenzene	8.498	77	658924	25.727	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.816	248	245661	24.932	ug/ml#	82
81)	Hexachlorobenzene	8.869	284	284114	23.658	ug/ml#	87
82)	Pentachlorophenol	9.063	266	198862	30.443	ug/ml	98
89)	Phenanthrene	9.257	178	1014762M3	22.233	ug/ml	
90)	Anthracene	9.310	178	1040587	23.519	ug/ml#	92
91)	Carbazole	9.475	167	977899	24.480	ug/ml#	92
92)	Di-n-butylphthalate	9.857	149	1154849	26.810	ug/ml#	95
93)	Fluoranthene	10.422	202	1234303	23.387	ug/ml#	93
94)	Benzidine	10.575	184	809044	29.812	ug/ml	97
95)	Pyrene	10.645	202	1275832	22.996	ug/ml#	89
97)	Butyl benzyl phthalate	11.363	149	612108	31.926	ug/ml#	97
105)	Benzo(a)anthracene	11.898	228	1391093	23.285	ug/ml#	90
106)	3,3'-Dichlorobenzidine	11.892	252	611600	29.147	ug/ml#	96
107)	Chrysene	11.939	228	1274019	20.892	ug/ml#	88
108)	Bis(2-ethylhexyl)phtha...	12.004	149	929316	31.378	ug/ml#	94
109)	Di-n-octylphthalate	12.692	149	1413627	30.925	ug/ml#	99
110)	Benzo(b)fluoranthene	13.022	252	1404836	22.616	ug/ml	94
111)	Benzo(k)fluoranthene	13.051	252	1320251M3	23.155	ug/ml	
112)	Benzo(a)pyrene	13.339	252	1280818	24.015	ug/ml	93
114)	Indeno(1,2,3-cd)pyrene	14.422	276	1506000M6	25.983	ug/mL	
115)	Dibenzo(a,h)anthracene	14.445	278	1346219	24.674	ug/ml#	92
116)	Benzo(ghi)perylene	14.698	276	1308219	24.038	ug/ml	93

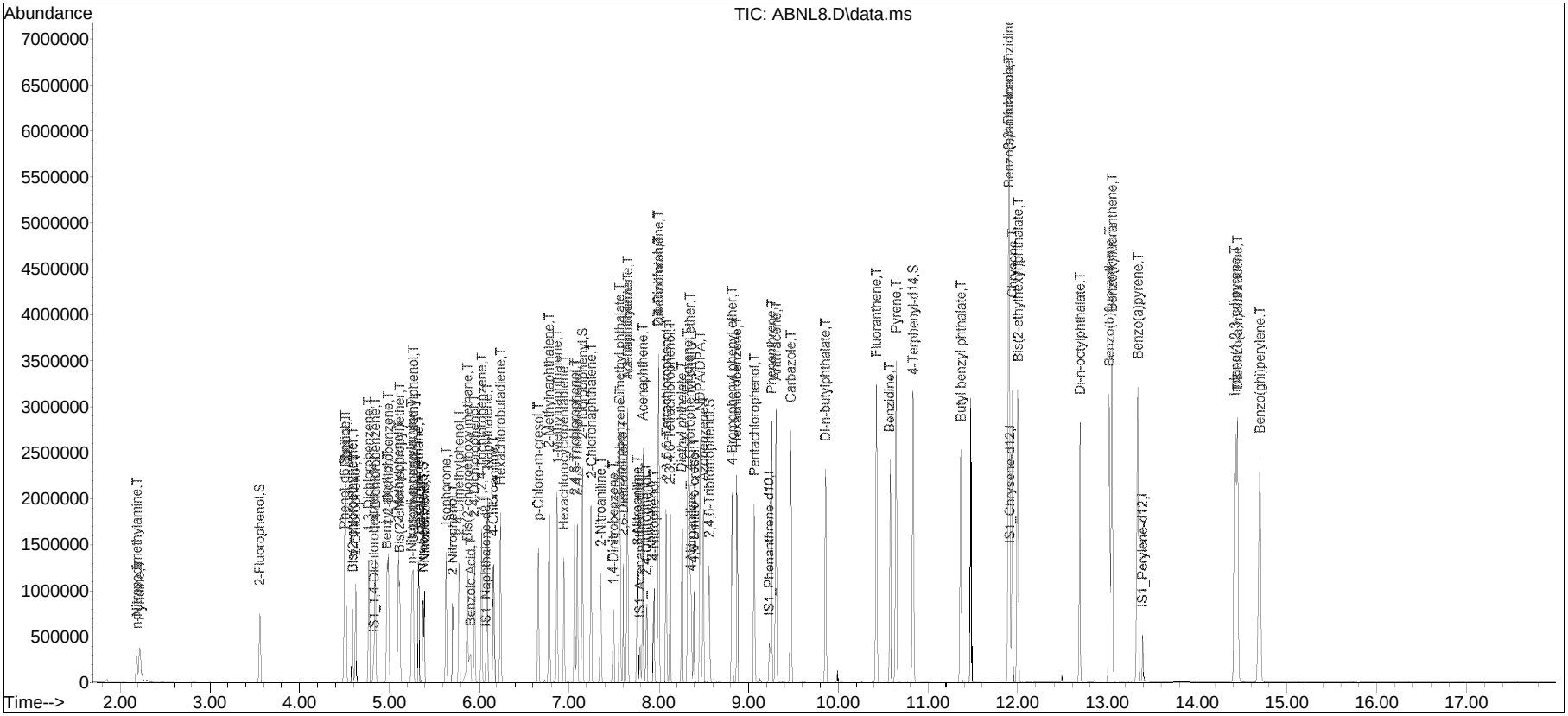
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL8.D
Acq On : 15 Dec 2024 10:20 pm
Operator : SV112:HNY
Sample : IL3,32,,ABNL25 Lot# 11176
Misc : WG2010188
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:40:49 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

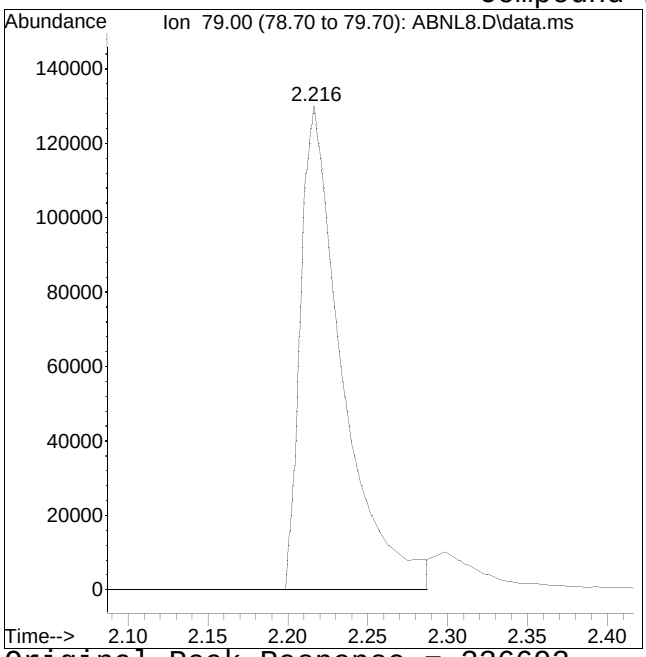
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

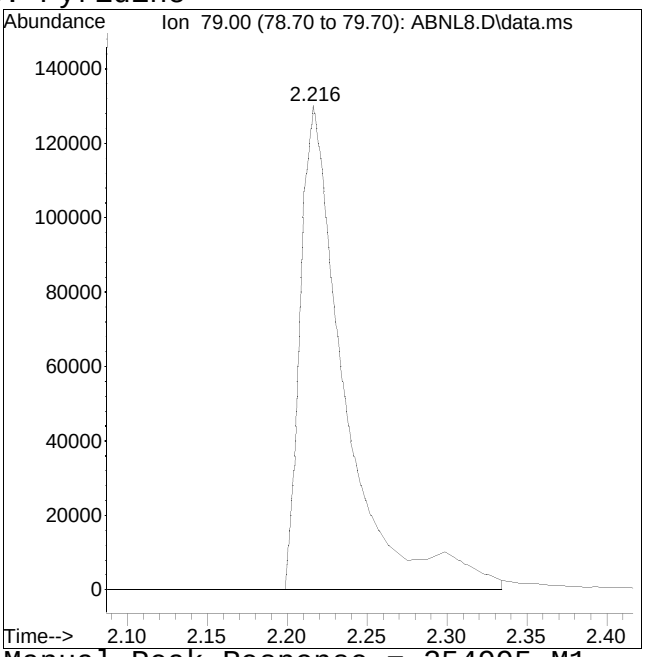


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL8.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:20 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11176 Quant Date : 12/16/2024 2:42 pm

Compound #3: Pyridine



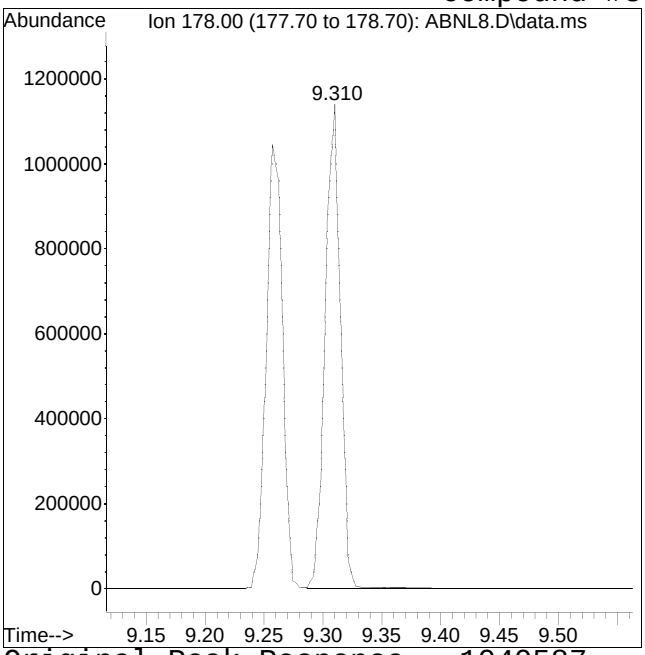


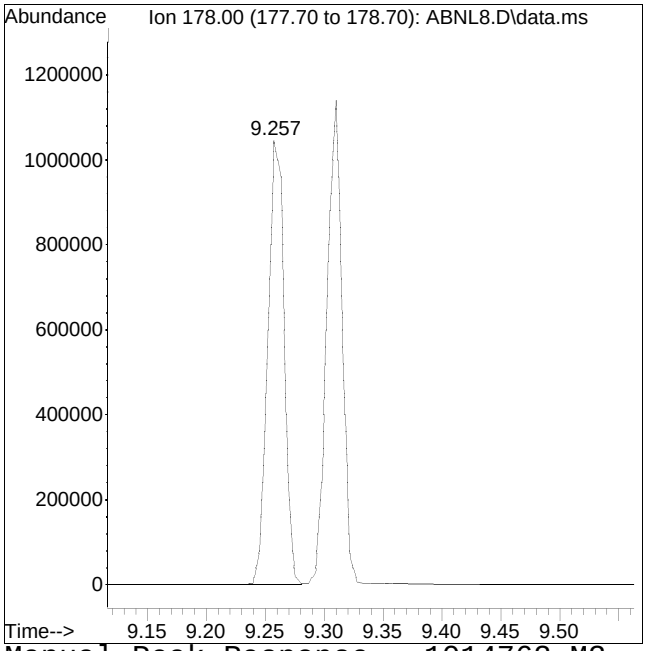
Original Peak Response = 236693 Manual Peak Response = 254995 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL8.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:20 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11176 Quant Date : 12/16/2024 2:42 pm

Compound #89: Phenanthrene



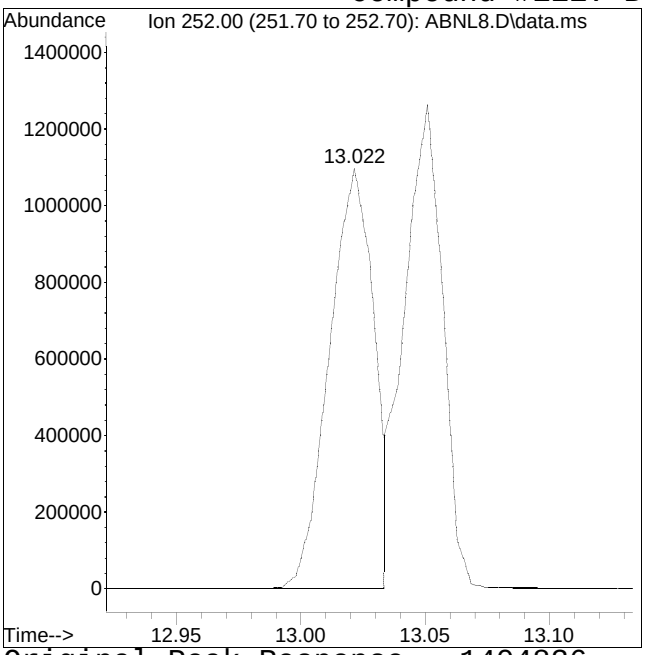


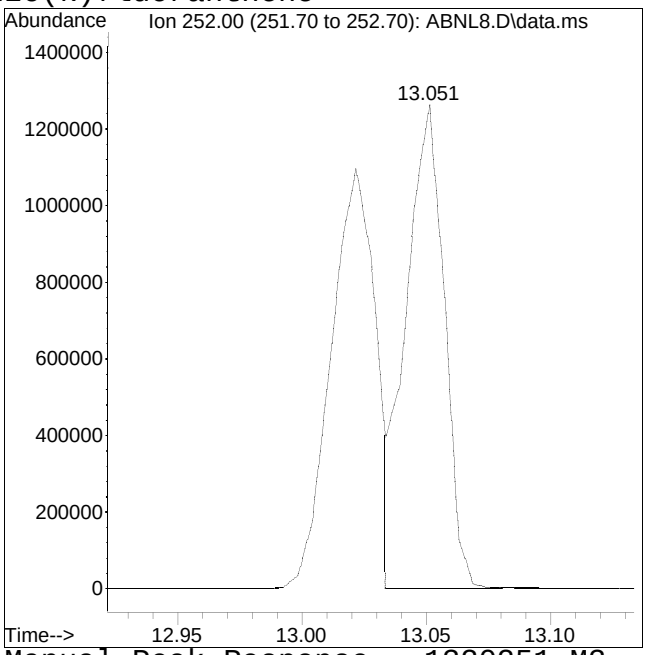
Original Peak Response = 1040587 Manual Peak Response = 1014762 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL8.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:20 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11176 Quant Date : 12/16/2024 2:42 pm

Compound #111: Benzo(k)fluoranthene



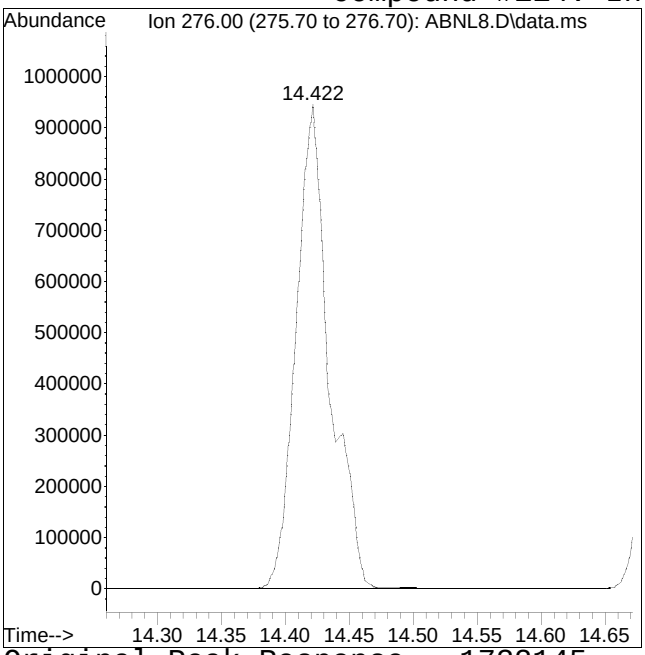


Original Peak Response = 1404836 Manual Peak Response = 1320251 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

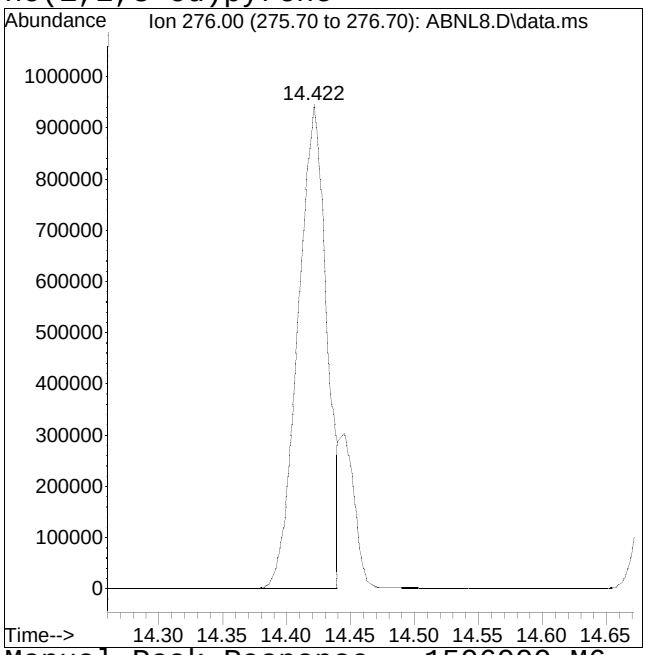
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL8.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:20 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11176 Quant Date : 12/16/2024 2:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1732145



Manual Peak Response = 1506000 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL7.D
Acq On : 15 Dec 2024 10:43 pm
Operator : SV112:HNY
Sample : IL4,32,,ABNL10 Lot# 11177
Misc : WG2010188
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 16 14:40:39 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	28934	4.000 ug/ml	# 0.00
Standard Area 1 = 28125			Recovery = 102.88%		
35) IS1_Naphthalene-d8	6.069	136	108251	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 102.81%		
63) IS1_Acenaphthene-d10	7.787	164	69130	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 105.04%		
88) IS1_Phenanthrene-d10	9.234	188	144893	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 104.54%		
104) IS1_Chrysene-d12	11.904	240	167979	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 105.05%		
113) IS1_Perylene-d12	13.387	264	182759	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 103.17%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.552	112	82599	10.219 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 510.95%#		
7) Phenol-d6	4.499	99	103690	10.132 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 506.60%#		
19) Nitrobenzene-d5	5.369	82	96271	10.455 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1045.50%#		
46) 2-Fluorobiphenyl	7.146	172	243885	9.863 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 986.30%#		
79) 2,4,6-Tribromophenol	8.557	330	43561	10.331 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 516.55%#		
96) 4-Terphenyl-d14	10.828	244	393270	10.169 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1016.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.187	74	53927	10.082 ug/ml#	98
3) Pyridine	2.222	79	86886	10.513 ug/ml#	81
5) Aniline	4.505	93	132453	10.401 ug/ml#	49
6) 2-Chlorophenol	4.622	128	92191	10.072 ug/ml	97
8) Phenol	4.511	94	119791	10.325 ug/ml#	49
9) Bis(2-chloroethyl)ether	4.587	93	87970	9.980 ug/ml	98
10) 1,3-Dichlorobenzene	4.769	146	111157	9.929 ug/ml	97
11) 1,4-Dichlorobenzene	4.846	146	110862	9.800 ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	106425	9.668 ug/ml	96
13) Benzyl alcohol	4.975	79	74516	10.429 ug/ml	97
14) Bis(2-chloroisopropyl)...	5.116	45	106380	10.126 ug/ml#	53

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL7.D
Acq On : 15 Dec 2024 10:43 pm
Operator : SV112:HNY
Sample : IL4,32,,ABNL10 Lot# 11177
Misc : WG2010188
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 16 14:40:39 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	80820	10.303	ug/ml	97
16) Hexachloroethane	5.322	117	42569	9.960	ug/ml#	65
17) n-Nitrosodi-n-propylamine	5.246	70	66590	10.311	ug/ml	95
18) 3-Methylphenol/4-Methy...	5.258	108	87377	10.242	ug/ml	96
20) Nitrobenzene	5.387	77	98169	10.320	ug/ml	100
21) Isophorone	5.628	82	178864	10.557	ug/ml	99
22) 2-Nitrophenol	5.705	139	48364	10.891	ug/ml	96
23) 2,4-Dimethylphenol	5.775	107	83125	10.453	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.863	93	119547	10.236	ug/ml	99
25) 2,4-Dichlorophenol	5.946	162	91328	10.492	ug/ml#	93
26) 1,2,4-Trichlorobenzene	6.028	180	104686	9.758	ug/ml	97
36) Naphthalene	6.093	128	282172	9.938	ug/ml	99
37) Benzoic Acid	5.863	105	69174	10.253	ug/ml	98
38) 4-Chloroaniline	6.158	65	35912	10.770	ug/ml	99
39) Hexachlorobutadiene	6.240	225	68417	9.750	ug/ml	99
40) p-Chloro-m-cresol	6.652	107	82462	10.707	ug/ml	92
41) 2-Methylnaphthalene	6.775	142	194178	9.867	ug/ml	96
42) 1-Methylnaphthalene	6.869	115	64349	9.699	ug/ml	94
43) Hexachlorocyclopentadiene	6.946	237	74737	10.235	ug/ml	99
44) 2,4,6-Trichlorophenol	7.063	196	77228	10.679	ug/ml	99
45) 2,4,5-Trichlorophenol	7.093	196	83031	10.724	ug/ml	99
47) 2-Chloronaphthalene	7.246	162	206850	9.881	ug/ml	93
48) 2-Nitroaniline	7.357	138	60610	11.114	ug/ml	94
49) 1,4-Dinitrobenzene	7.487	168	32079	10.649	ug/ml	89
50) 1,3-Dinitrobenzene	7.563	168	36707	10.786	ug/ml	88
51) Dimethyl phthalate	7.557	163	255313	10.288	ug/ml	99
52) Acenaphthylene	7.646	152	314943	10.678	ug/ml	97
53) 2,6-Dinitrotoluene	7.599	165	52874	11.179	ug/ml	93
54) 1,2-Dinitrobenzene	7.646	168	23044	10.934	ug/ml#	1
64) 3-Nitroaniline	7.757	138	58035	10.731	ug/ml	93
65) Acenaphthene	7.822	154	186974	9.646	ug/ml	94
66) 2,4-Dinitrophenol	7.857	184	35408	9.531	ug/ml#	83
67) Dibenzofuran	7.993	168	312583	9.522	ug/ml	92
68) 2,4-Dinitrotoluene	7.993	165	77849	11.503	ug/ml	89
69) 4-Nitrophenol	7.940	65	46332	10.941	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	8.081	232	77267	10.850	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.122	232	74824	10.761	ug/ml	99
72) Diethyl phthalate	8.252	149	259372	10.202	ug/ml	96
73) Fluorene	8.322	166	245940	9.844	ug/ml	96
74) 4-Chlorophenyl phenyl ...	8.340	204	130883	9.565	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL7.D
Acq On : 15 Dec 2024 10:43 pm
Operator : SV112:HNY
Sample : IL4,32,,ABNL10 Lot# 11177
Misc : WG2010188
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 16 14:40:39 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.352	138	60643	11.290	ug/ml	97
76)	4,6-Dinitro-o-cresol	8.387	198	46649	9.360	ug/ml#	77
77)	NDPA/DPA	8.457	169	213904	10.275	ug/ml	93
78)	Azobenzene	8.493	77	236082	10.397	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.816	248	85551	9.794	ug/ml#	82
81)	Hexachlorobenzene	8.869	284	100757	9.463	ug/ml#	86
82)	Pentachlorophenol	9.063	266	66698	11.517	ug/ml	97
89)	Phenanthrene	9.257	178	389207	9.579	ug/ml	97
90)	Anthracene	9.304	178	396008	10.054	ug/ml	97
91)	Carbazole	9.469	167	370862	10.429	ug/ml	97
92)	Di-n-butylphthalate	9.857	149	434720	11.337	ug/ml	99
93)	Fluoranthene	10.422	202	480897M3	10.235	ug/ml	
94)	Benzidine	10.569	184	276578	11.449	ug/ml#	97
95)	Pyrene	10.640	202	507659	10.279	ug/ml	97
97)	Butyl benzyl phthalate	11.357	149	198180	11.611	ug/ml	96
105)	Benzo(a)anthracene	11.893	228	538776	10.262	ug/ml	96
106)	3,3'-Dichlorobenzidine	11.893	252	210278	11.403	ug/ml#	97
107)	Chrysene	11.934	228	506452	9.450	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	12.004	149	319549	12.277	ug/ml#	98
109)	Di-n-octylphthalate	12.687	149	517607	12.884	ug/ml	97
110)	Benzo(b)fluoranthene	13.016	252	553706	10.143	ug/ml#	96
111)	Benzo(k)fluoranthene	13.045	252	539681M3	10.770	ug/ml	
112)	Benzo(a)pyrene	13.334	252	500980	10.688	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.410	276	539428M6	10.207	ug/mL	
115)	Dibenzo(a,h)anthracene	14.434	278	515621	10.364	ug/ml#	93
116)	Benzo(ghi)perylene	14.686	276	491428	9.903	ug/ml#	92

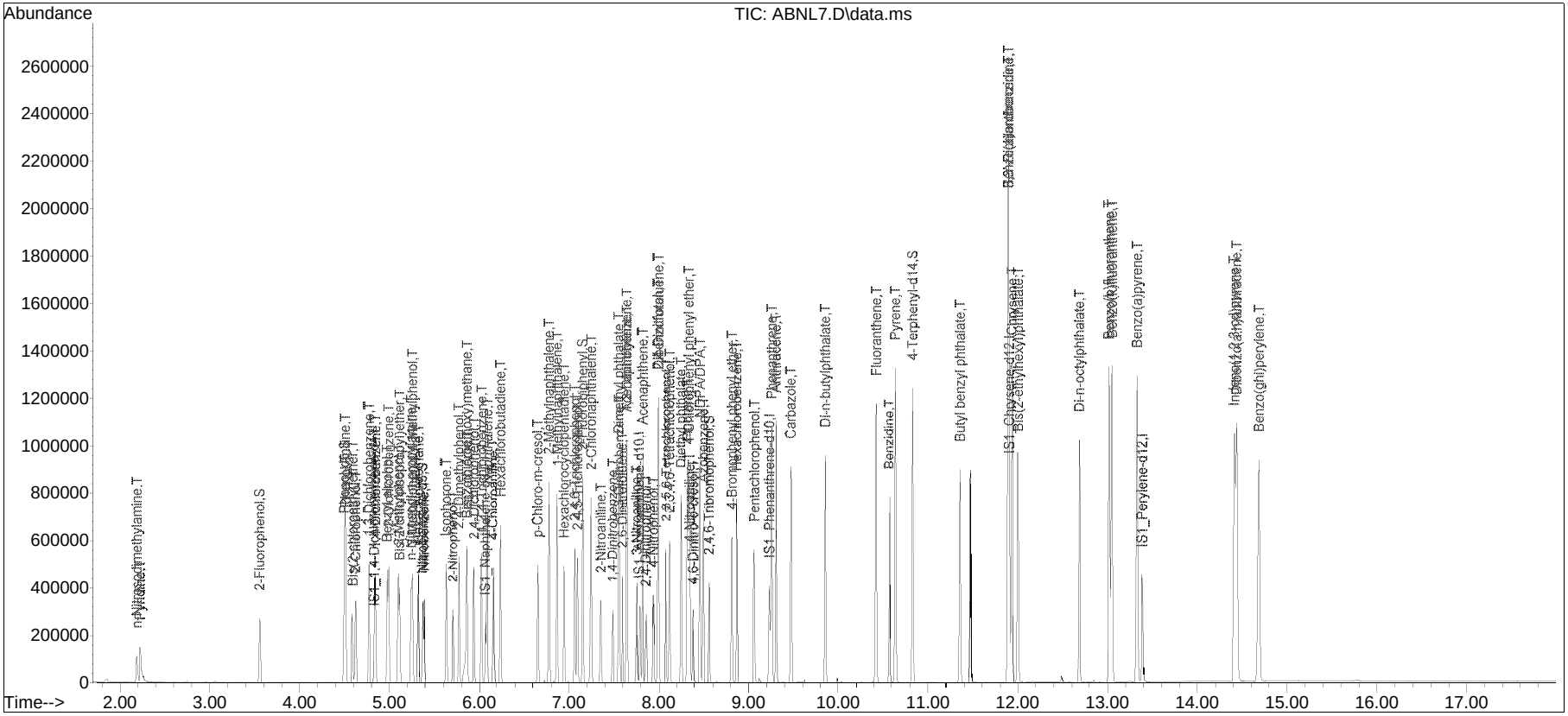
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL7.D
Acq On : 15 Dec 2024 10:43 pm
Operator : SV112:HNY
Sample : IL4,32,,ABNL10 Lot# 11177
Misc : WG2010188
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 16 14:40:39 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

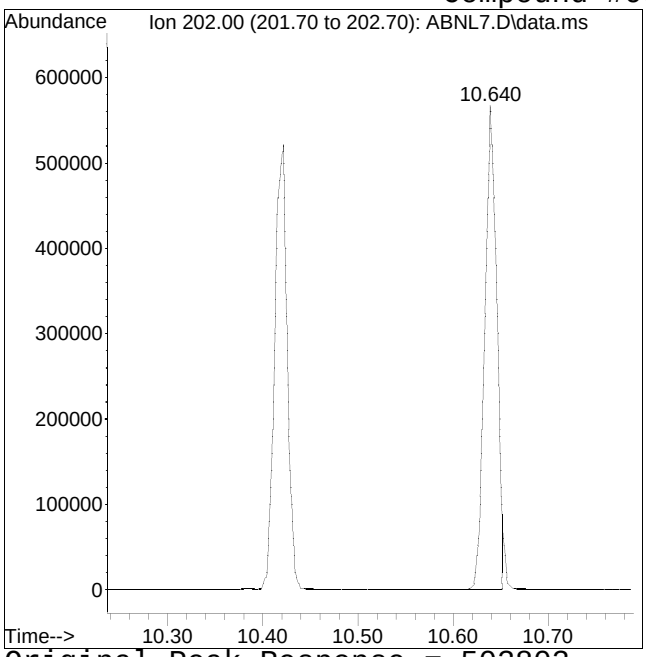
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

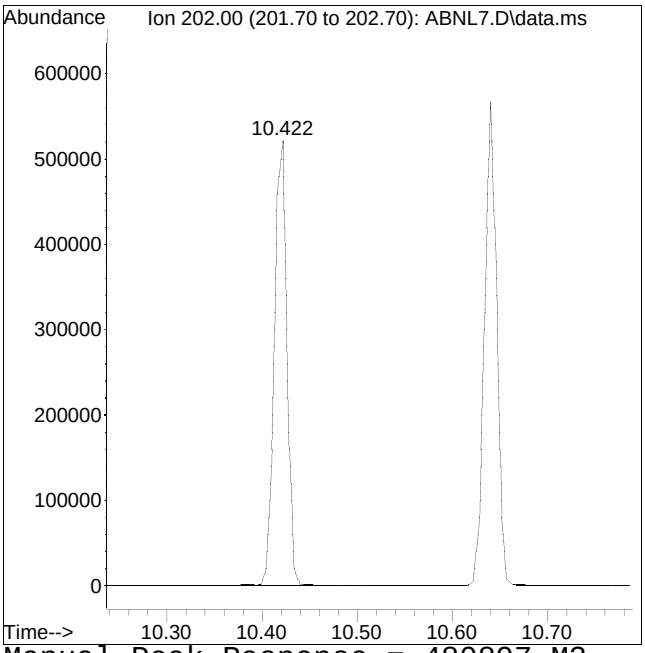


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL7.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:43 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11177 Quant Date : 12/16/2024 2:42 pm

Compound #93: Fluoranthene



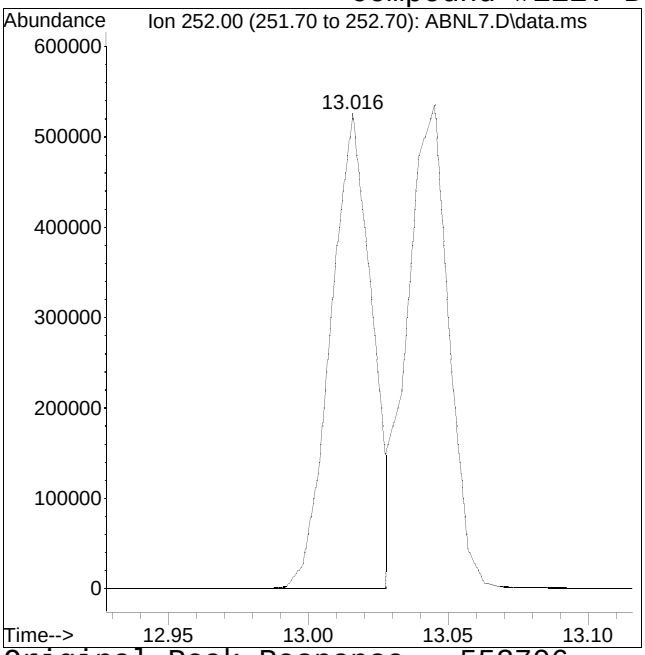


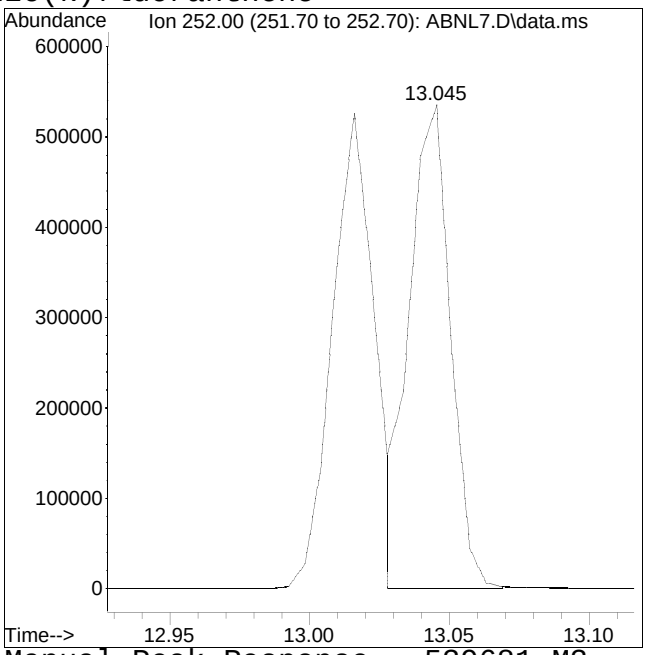
Original Peak Response = 503803 Manual Peak Response = 480897 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL7.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:43 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11177 Quant Date : 12/16/2024 2:42 pm

Compound #111: Benzo(k)fluoranthene



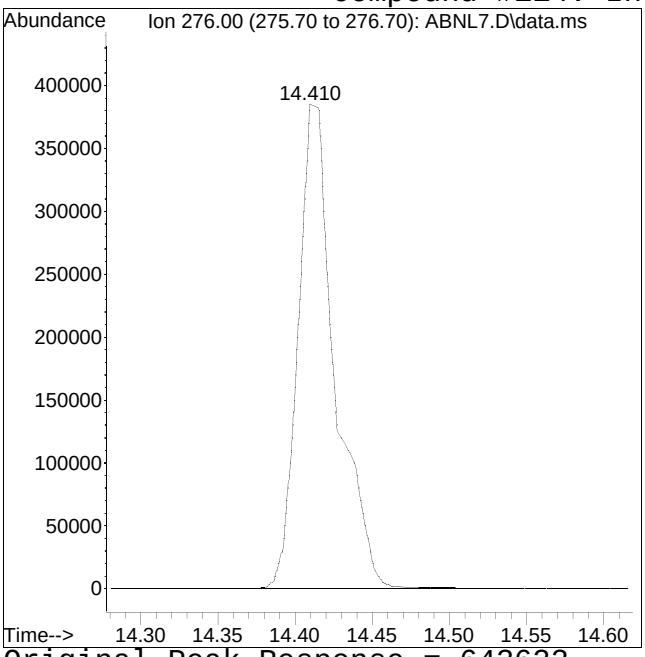


Original Peak Response = 553706 Manual Peak Response = 539681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

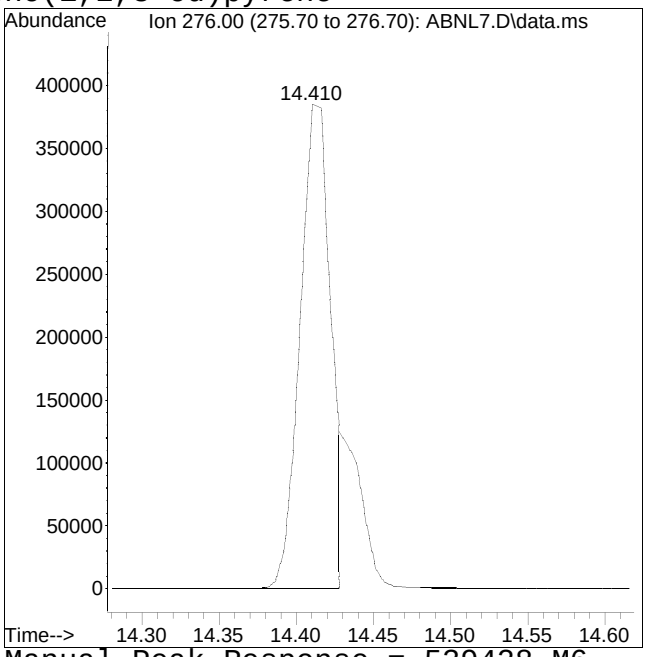
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL7.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 10:43 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11177 Quant Date : 12/16/2024 2:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 643622



Manual Peak Response = 539428 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL6.D
Acq On : 15 Dec 2024 11:06 pm
Operator : SV112:HNY
Sample : IL5,32,,ABNL5 Lot# 11178
Misc : WG2010188
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 10:34:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	28125	4.000 ug/ml	0.00
Standard Area 1 = 28125			Recovery = 100.00%		
35) IS1_Naphthalene-d8	6.069	136	105297	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 100.00%		
63) IS1_Acenaphthene-d10	7.793	164	65814	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 100.00%		
88) IS1_Phenanthrene-d10	9.234	188	138606	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 100.00%		
104) IS1_Chrysene-d12	11.904	240	159911	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 100.00%		
113) IS1_Perylene-d12	13.387	264	177145	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.552	112	38186	4.860 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 243.00%#		
7) Phenol-d6	4.493	99	48084	4.833 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 241.65%#		
19) Nitrobenzene-d5	5.369	82	44302	4.949 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 494.90%#		
46) 2-Fluorobiphenyl	7.146	172	117313	4.877 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 487.70%#		
79) 2,4,6-Tribromophenol	8.557	330	19918	4.962 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 248.10%#		
96) 4-Terphenyl-d14	10.828	244	183731	4.966 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 496.60%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.187	74	25055	4.819 ug/ml#	98
3) Pyridine	2.228	79	41390	5.152 ug/ml#	81
5) Aniline	4.505	93	60884	4.918 ug/ml#	48
6) 2-Chlorophenol	4.622	128	43527	4.892 ug/ml	96
8) Phenol	4.505	94	55569	4.928 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.587	93	41552	4.849 ug/ml	97
10) 1,3-Dichlorobenzene	4.769	146	51941	4.773 ug/ml	96
11) 1,4-Dichlorobenzene	4.846	146	53153	4.834 ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	50917	4.759 ug/ml	97
13) Benzyl alcohol	4.975	79	34329	4.943 ug/ml	98
14) Bis(2-chloroisopropyl)...	5.116	45	50773	4.972 ug/ml#	56

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL6.D
Acq On : 15 Dec 2024 11:06 pm
Operator : SV112:HNY
Sample : IL5,32,,ABNL5 Lot# 11178
Misc : WG2010188
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 10:34:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.099	108	36916	4.841	ug/ml	96
16) Hexachloroethane	5.322	117	19746	4.753	ug/ml#	64
17) n-Nitrosodi-n-propylamine	5.246	70	29788	4.745	ug/ml	96
18) 3-Methylphenol/4-Methy...	5.258	108	40853	4.926	ug/ml	95
20) Nitrobenzene	5.387	77	45788	4.952	ug/ml	97
21) Isophorone	5.628	82	83356	5.062	ug/ml	98
22) 2-Nitrophenol	5.705	139	21984	5.093	ug/ml	94
23) 2,4-Dimethylphenol	5.775	107	38434	4.972	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.863	93	56122	4.943	ug/ml	99
25) 2,4-Dichlorophenol	5.946	162	42891	5.069	ug/ml#	94
26) 1,2,4-Trichlorobenzene	6.022	180	50089	4.803	ug/ml	97
36) Naphthalene	6.093	128	136570	4.945	ug/ml	99
37) Benzoic Acid	5.846	105	28938	4.409	ug/ml	98
38) 4-Chloroaniline	6.158	65	16502	5.088	ug/ml	98
39) Hexachlorobutadiene	6.240	225	32313	4.734	ug/ml	99
40) p-Chloro-m-cresol	6.652	107	37602	5.019	ug/ml	94
41) 2-Methylnaphthalene	6.775	142	92220	4.818	ug/ml	98
42) 1-Methylnaphthalene	6.869	115	30378	4.707	ug/ml	92
43) Hexachlorocyclopentadiene	6.946	237	34139	4.806	ug/ml	98
44) 2,4,6-Trichlorophenol	7.063	196	35177	5.001	ug/ml	99
45) 2,4,5-Trichlorophenol	7.093	196	37834	5.024	ug/ml	97
47) 2-Chloronaphthalene	7.246	162	99113	4.867	ug/ml	93
48) 2-Nitroaniline	7.357	138	26312	4.960	ug/ml	94
49) 1,4-Dinitrobenzene	7.487	168	14249	4.863	ug/ml	88
50) 1,3-Dinitrobenzene	7.563	168	16475	4.977	ug/ml	88
51) Dimethyl phthalate	7.557	163	119913	4.968	ug/ml	100
52) Acenaphthylene	7.646	152	148325	5.170	ug/ml	98
53) 2,6-Dinitrotoluene	7.599	165	24125	5.244	ug/ml	92
54) 1,2-Dinitrobenzene	7.646	168	10604	5.173	ug/ml#	1
64) 3-Nitroaniline	7.757	138	26303	5.109	ug/ml	92
65) Acenaphthene	7.822	154	87023	4.716	ug/ml	94
66) 2,4-Dinitrophenol	7.857	184	14269	4.239	ug/ml#	85
67) Dibenzofuran	7.993	168	150160	4.805	ug/ml	90
68) 2,4-Dinitrotoluene	7.987	165	34710	5.387	ug/ml	92
69) 4-Nitrophenol	7.940	65	21098	5.233	ug/ml	99
70) 2,3,5,6-Tetrachlorophenol	8.081	232	35739	5.272	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.122	232	34259	5.176	ug/ml	99
72) Diethyl phthalate	8.252	149	123542	5.104	ug/ml	97
73) Fluorene	8.322	166	116987	4.919	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.340	204	62122	4.769	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL6.D
Acq On : 15 Dec 2024 11:06 pm
Operator : SV112:HNY
Sample : IL5,32,,ABNL5 Lot# 11178
Misc : WG2010188
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 10:34:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.346	138	26523	5.187	ug/ml	99
76)	4,6-Dinitro-o-cresol	8.381	198	20712	4.526	ug/ml#	77
77)	NDPA/DPA	8.457	169	99894	5.040	ug/ml	92
78)	Azobenzene	8.493	77	110575	5.115	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.816	248	39705	4.774	ug/ml#	82
81)	Hexachlorobenzene	8.869	284	47024	4.639	ug/ml#	86
82)	Pentachlorophenol	9.063	266	28504	5.170	ug/ml	99
89)	Phenanthrene	9.257	178	188043	4.838	ug/ml	99
90)	Anthracene	9.304	178	185753	4.930	ug/ml	99
91)	Carbazole	9.469	167	174374	5.126	ug/ml	98
92)	Di-n-butylphthalate	9.857	149	195946	5.342	ug/ml	100
93)	Fluoranthene	10.422	202	226086M3	5.030	ug/ml	
94)	Benzidine	10.569	184	119800	5.184	ug/ml#	98
95)	Pyrene	10.640	202	241579	5.113	ug/ml	98
97)	Butyl benzyl phthalate	11.357	149	83875	5.137	ug/ml	95
105)	Benzo(a)anthracene	11.893	228	250930	5.020	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.887	252	91097	5.189	ug/ml#	96
107)	Chrysene	11.928	228	241106	4.726	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.998	149	135323	5.461	ug/ml#	99
109)	Di-n-octylphthalate	12.687	149	214271	5.603	ug/ml	96
110)	Benzo(b)fluoranthene	13.010	252	274572	5.283	ug/ml#	95
111)	Benzo(k)fluoranthene	13.040	252	241282M3	5.058	ug/ml	
112)	Benzo(a)pyrene	13.334	252	234536	5.256	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.410	276	260966M6	5.094	ug/mL	
115)	Dibenzo(a,h)anthracene	14.434	278	243582	5.051	ug/ml#	93
116)	Benzo(ghi)perylene	14.681	276	234609	4.878	ug/ml#	92

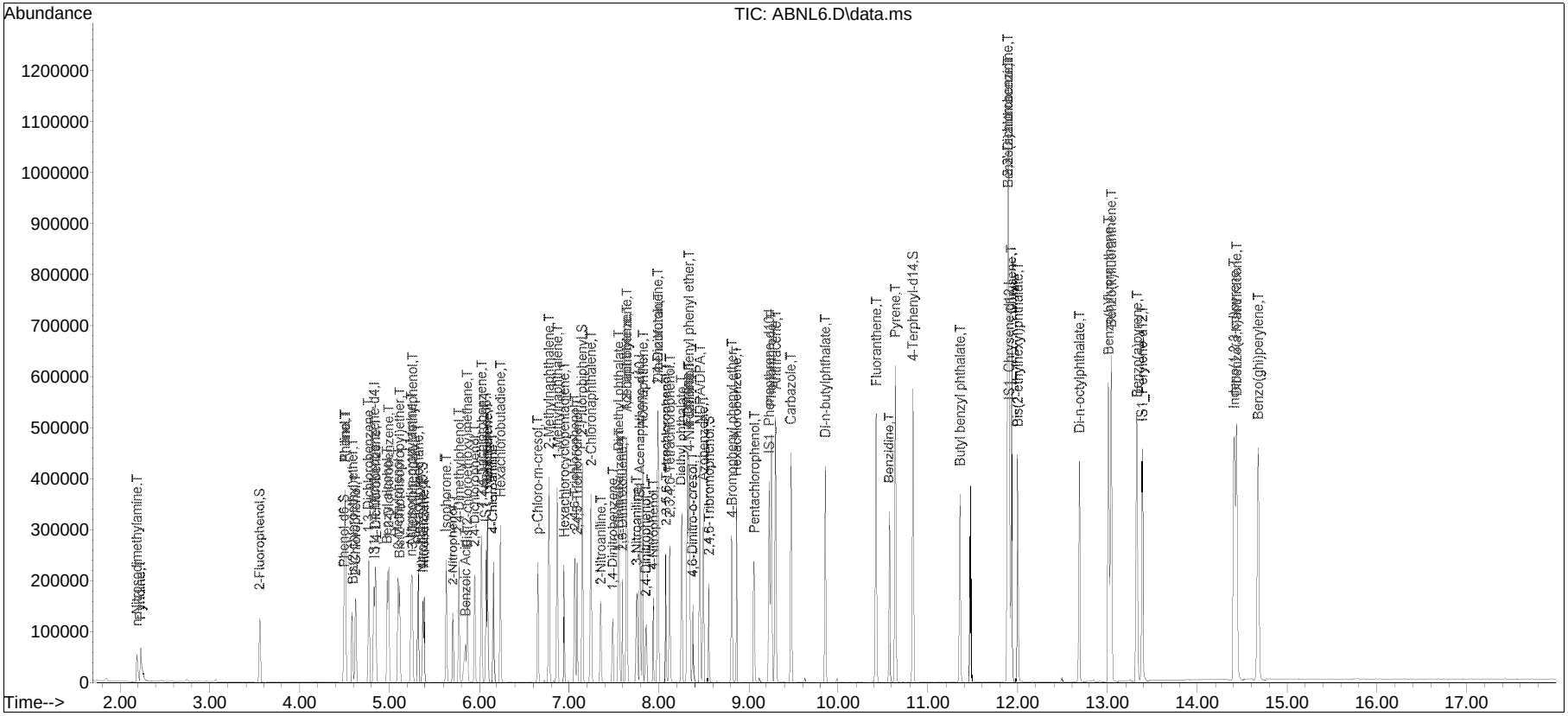
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL6.D
Acq On : 15 Dec 2024 11:06 pm
Operator : SV112:HNY
Sample : IL5,32,,ABNL5 Lot# 11178
Misc : WG2010188
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 10:34:00 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

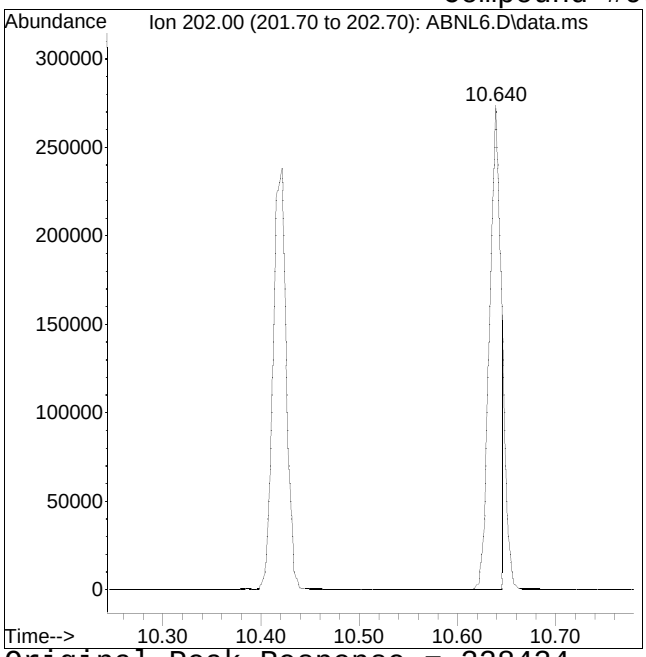
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

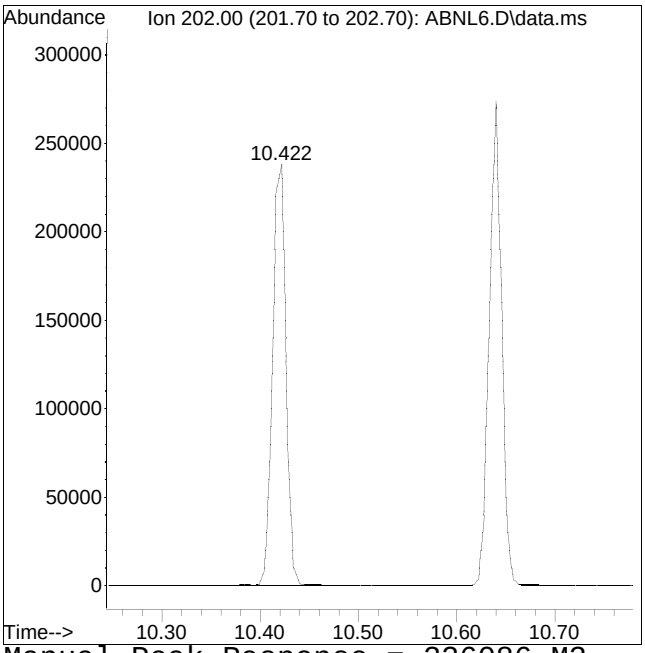


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL6.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:06 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11178 Quant Date : 12/16/2024 2:42 pm

Compound #93: Fluoranthene



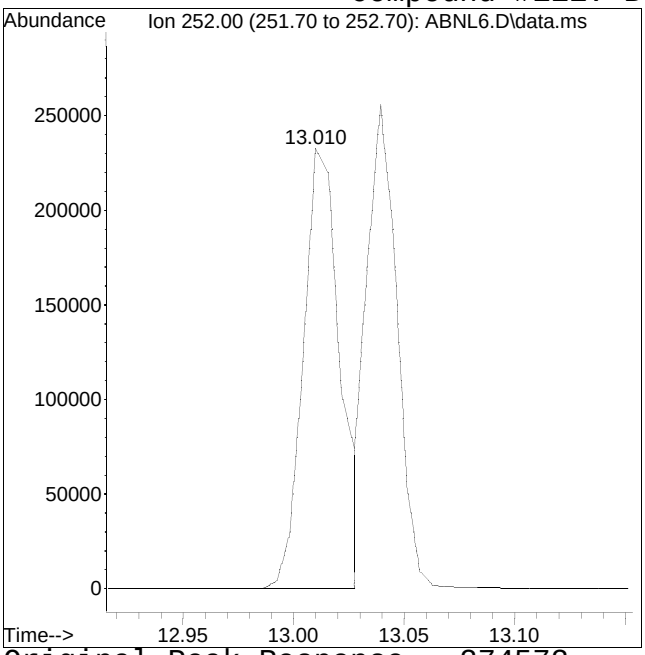


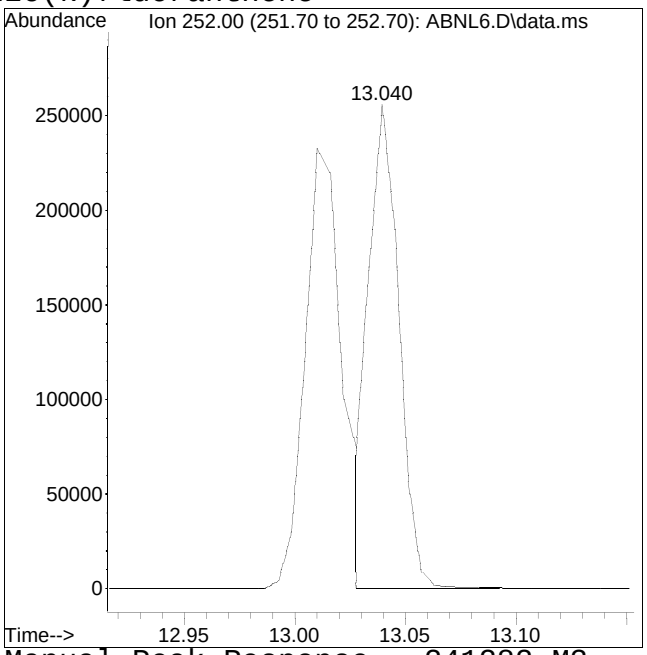
Original Peak Response = 228424 Manual Peak Response = 226086 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL6.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:06 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11178 Quant Date : 12/16/2024 2:42 pm

Compound #111: Benzo(k)fluoranthene





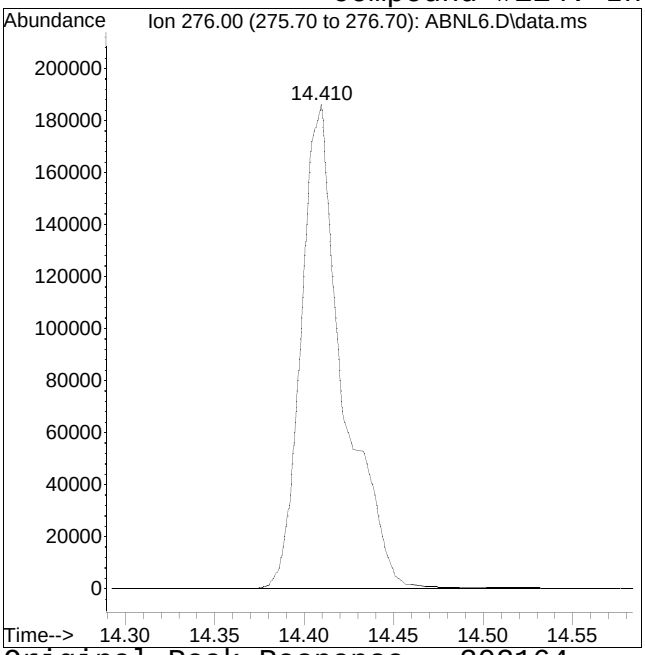
Original Peak Response = 274572 Manual Peak Response = 241282 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

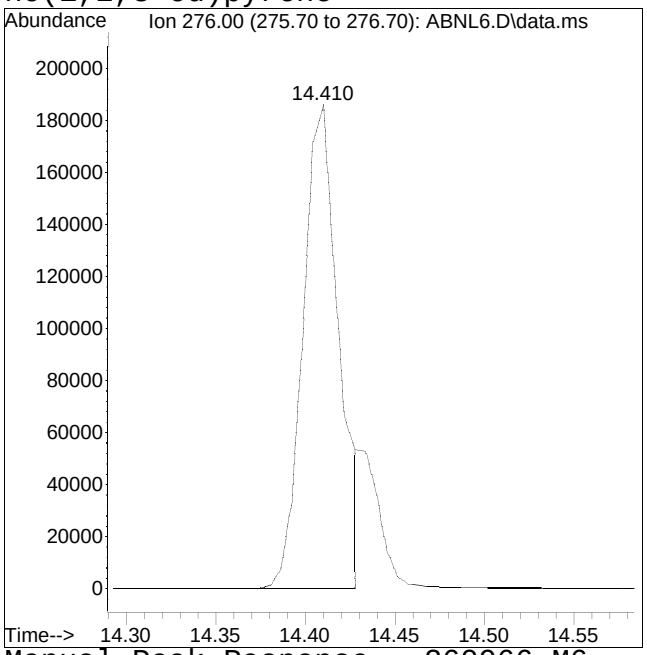
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL6.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:06 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11178 Quant Date : 12/16/2024 2:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 302164



Manual Peak Response = 260966 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL5.D
Acq On : 15 Dec 2024 11:30 pm
Operator : SV112:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11179
Misc : WG2010188
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 14:40:23 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	26999	4.000 ug/ml	0.00
Standard Area 1 = 28125			Recovery = 96.00%		
35) IS1_Naphthalene-d8	6.069	136	99273	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 94.28%		
63) IS1_Acenaphthene-d10	7.787	164	61657	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 93.68%		
88) IS1_Phenanthrene-d10	9.234	188	130780	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 94.35%		
104) IS1_Chrysene-d12	11.904	240	147404	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 92.18%		
113) IS1_Perylene-d12	13.392	264	163164	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 92.11%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.552	112	19372	2.569 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 128.45%#		
7) Phenol-d6	4.493	99	24199	2.534 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 126.70%#		
19) Nitrobenzene-d5	5.369	82	21977	2.558 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 255.80%#		
46) 2-Fluorobiphenyl	7.146	172	59517	2.625 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 262.50%#		
79) 2,4,6-Tribromophenol	8.557	330	9639	2.563 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 128.15%#		
96) 4-Terphenyl-d14	10.828	244	92903	2.661 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 266.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.187	74	12417	2.488 ug/ml#	97
3) Pyridine	2.234	79	18957M1	2.458 ug/ml	
5) Aniline	4.505	93	30611	2.576 ug/ml#	50
6) 2-Chlorophenol	4.622	128	22034	2.580 ug/ml	95
8) Phenol	4.505	94	27563	2.546 ug/ml#	49
9) Bis(2-chloroethyl)ether	4.587	93	21088	2.564 ug/ml	97
10) 1,3-Dichlorobenzene	4.769	146	27539	2.636 ug/ml	95
11) 1,4-Dichlorobenzene	4.846	146	27180	2.575 ug/ml	97
12) 1,2-Dichlorobenzene	4.993	146	26200	2.551 ug/ml	97
13) Benzyl alcohol	4.975	79	16613	2.492 ug/ml	97
14) Bis(2-chloroisopropyl)...	5.116	45	25792	2.631 ug/ml#	56

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL5.D
Acq On : 15 Dec 2024 11:30 pm
Operator : SV112:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11179
Misc : WG2010188
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 14:40:23 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	18090	2.471	ug/ml	93
16) Hexachloroethane	5.322	117	10126	2.539	ug/ml#	68
17) n-Nitrosodi-n-propylamine	5.246	70	14511	2.408	ug/ml	96
18) 3-Methylphenol/4-Methy...	5.258	108	20182	2.535	ug/ml	95
20) Nitrobenzene	5.387	77	22143	2.495	ug/ml	98
21) Isophorone	5.628	82	40458	2.559	ug/ml	99
22) 2-Nitrophenol	5.705	139	10285	2.482	ug/ml	96
23) 2,4-Dimethylphenol	5.775	107	19465	2.623	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.863	93	28173	2.585	ug/ml#	98
25) 2,4-Dichlorophenol	5.946	162	20654	2.543	ug/ml#	95
26) 1,2,4-Trichlorobenzene	6.022	180	25464	2.544	ug/ml#	96
36) Naphthalene	6.093	128	67652	2.598	ug/ml	98
37) Benzoic Acid	5.834	105	12282	1.985	ug/ml	92
38) 4-Chloroaniline	6.157	65	8145	2.664	ug/ml	95
39) Hexachlorobutadiene	6.240	225	16223	2.521	ug/ml	96
40) p-Chloro-m-cresol	6.652	107	18433	2.610	ug/ml	94
41) 2-Methylnaphthalene	6.775	142	46484	2.576	ug/ml	96
42) 1-Methylnaphthalene	6.869	115	15690	2.579	ug/ml	96
43) Hexachlorocyclopentadiene	6.946	237	17350	2.591	ug/ml	99
44) 2,4,6-Trichlorophenol	7.063	196	17511	2.640	ug/ml	100
45) 2,4,5-Trichlorophenol	7.093	196	18776	2.644	ug/ml	99
47) 2-Chloronaphthalene	7.246	162	49476	2.577	ug/ml	93
48) 2-Nitroaniline	7.352	138	12125	2.424	ug/ml	98
49) 1,4-Dinitrobenzene	7.487	168	6753	2.444	ug/ml	86
50) 1,3-Dinitrobenzene	7.563	168	7640	2.448	ug/ml	90
51) Dimethyl phthalate	7.552	163	59950	2.634	ug/ml	100
52) Acenaphthylene	7.646	152	73745	2.726	ug/ml	99
53) 2,6-Dinitrotoluene	7.599	165	11249	2.593	ug/ml	96
54) 1,2-Dinitrobenzene	7.640	168	5155	2.667	ug/ml#	1
64) 3-Nitroaniline	7.757	138	12645	2.622	ug/ml	94
65) Acenaphthene	7.822	154	44438	2.570	ug/ml	95
66) 2,4-Dinitrophenol	7.857	184	6392	2.212	ug/ml	86
67) Dibenzofuran	7.993	168	77400	2.644	ug/ml	90
68) 2,4-Dinitrotoluene	7.987	165	15774	2.613	ug/ml	95
69) 4-Nitrophenol	7.940	65	9656	2.557	ug/ml	98
70) 2,3,5,6-Tetrachlorophenol	8.081	232	16966	2.671	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.122	232	16671	2.688	ug/ml	99
72) Diethyl phthalate	8.246	149	61599	2.717	ug/ml	97
73) Fluorene	8.322	166	58392	2.621	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.340	204	31357	2.569	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL5.D
Acq On : 15 Dec 2024 11:30 pm
Operator : SV112:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11179
Misc : WG2010188
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 14:40:23 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.346	138	12796	2.671	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.381	198	9391	2.345	ug/ml#	75
77)	NDPA/DPA	8.457	169	49855	2.685	ug/ml	93
78)	Azobenzene	8.493	77	54686	2.700	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.816	248	20063	2.575	ug/ml#	81
81)	Hexachlorobenzene	8.869	284	23352	2.459	ug/ml#	86
82)	Pentachlorophenol	9.063	266	13013	2.519	ug/ml	100
89)	Phenanthrene	9.257	178	94544	2.578	ug/ml	99
90)	Anthracene	9.304	178	93374	2.627	ug/ml	99
91)	Carbazole	9.469	167	86203	2.686	ug/ml	98
92)	Di-n-butylphthalate	9.857	149	94163	2.721	ug/ml	100
93)	Fluoranthene	10.422	202	111945M3	2.640	ug/ml	
94)	Benzidine	10.569	184	53976	2.475	ug/ml#	98
95)	Pyrene	10.640	202	119023	2.670	ug/ml	99
97)	Butyl benzyl phthalate	11.357	149	37389	2.427	ug/ml	95
105)	Benzo(a)anthracene	11.892	228	121100	2.628	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.892	252	41991	2.595	ug/ml#	97
107)	Chrysene	11.928	228	122067	2.596	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.004	149	60740	2.659	ug/ml#	99
109)	Di-n-octylphthalate	12.692	149	91815	2.604	ug/ml	97
110)	Benzo(b)fluoranthene	13.016	252	127611	2.664	ug/ml#	96
111)	Benzo(k)fluoranthene	13.039	252	125119M3	2.845	ug/ml	
112)	Benzo(a)pyrene	13.334	252	114173	2.776	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.410	276	121858M6	2.583	ug/mL	
115)	Dibenzo(a,h)anthracene	14.434	278	121041	2.725	ug/ml#	91
116)	Benzo(ghi)perylene	14.686	276	116640	2.633	ug/ml#	92

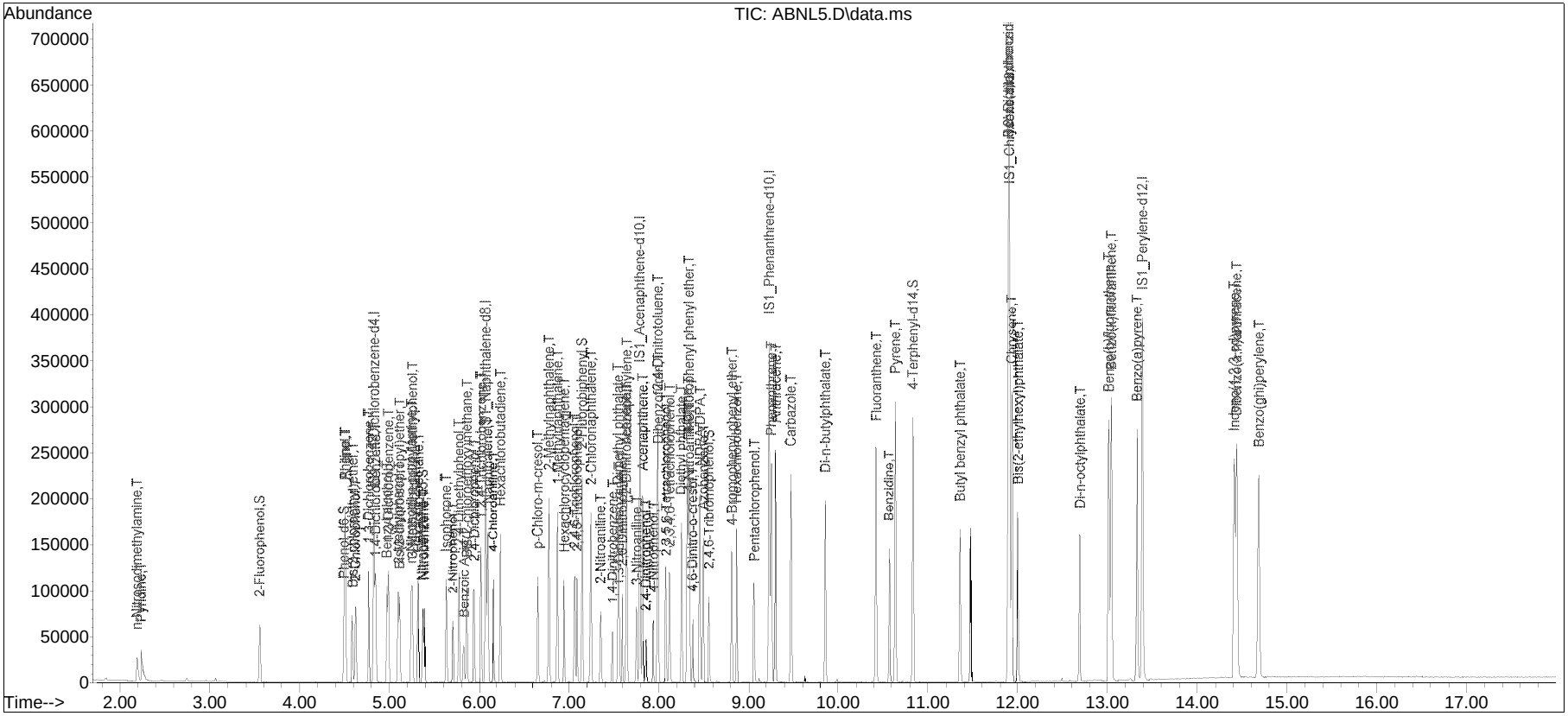
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL5.D
Acq On : 15 Dec 2024 11:30 pm
Operator : SV112:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11179
Misc : WG2010188
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 16 14:40:23 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

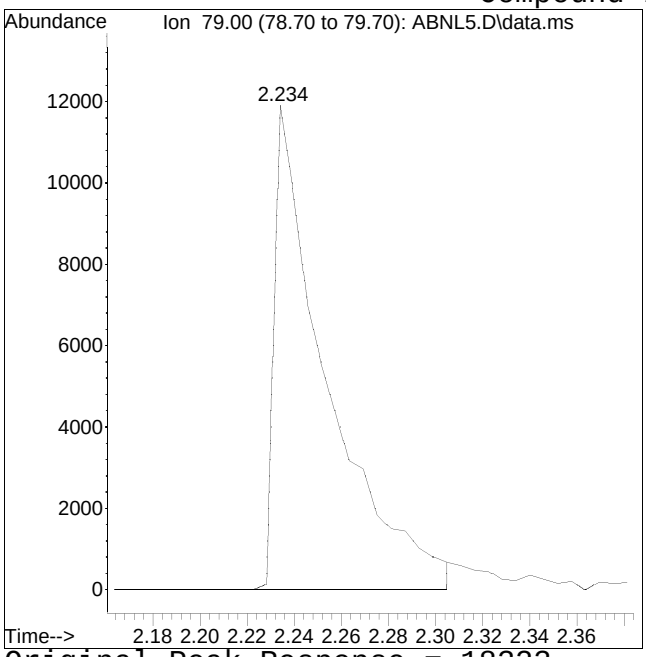
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



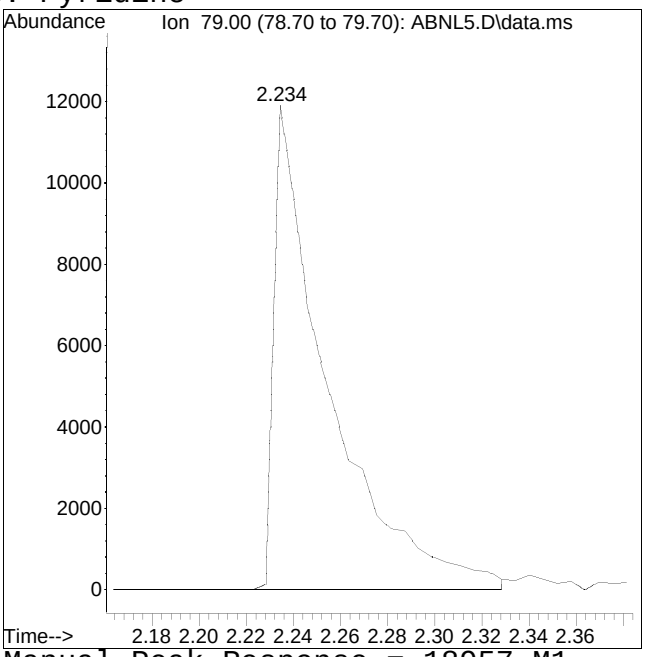
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL5.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:30 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11179Quant Date : 12/16/2024 2:42 pm

Compound #3: Pyridine



Original Peak Response = 18323



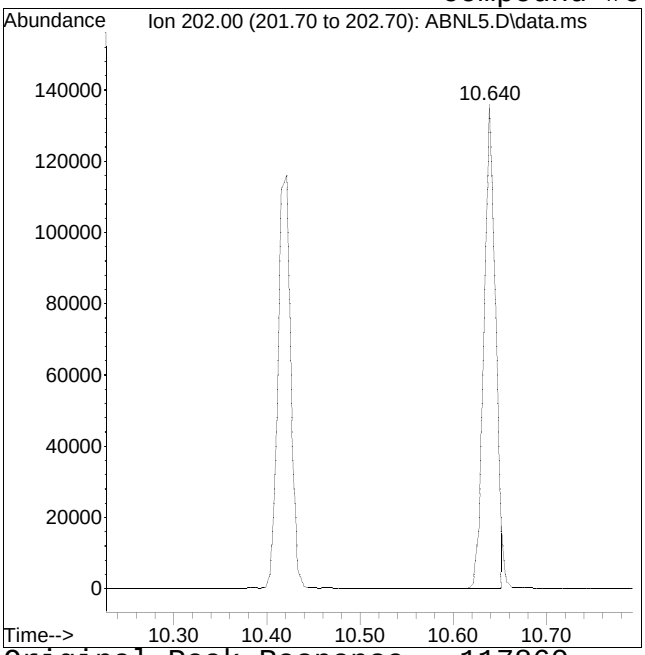
Manual Peak Response = 18957 M1

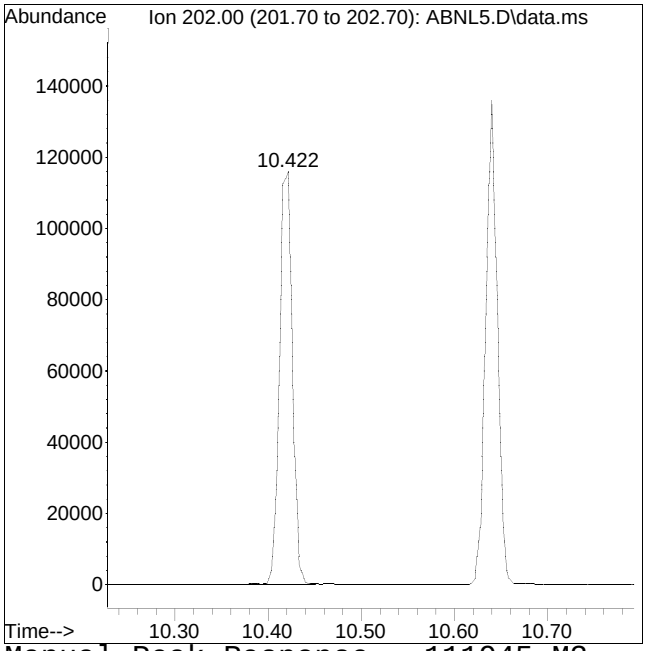
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL5.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:30 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11179Quant Date : 12/16/2024 2:42 pm

Compound #93: Fluoranthene



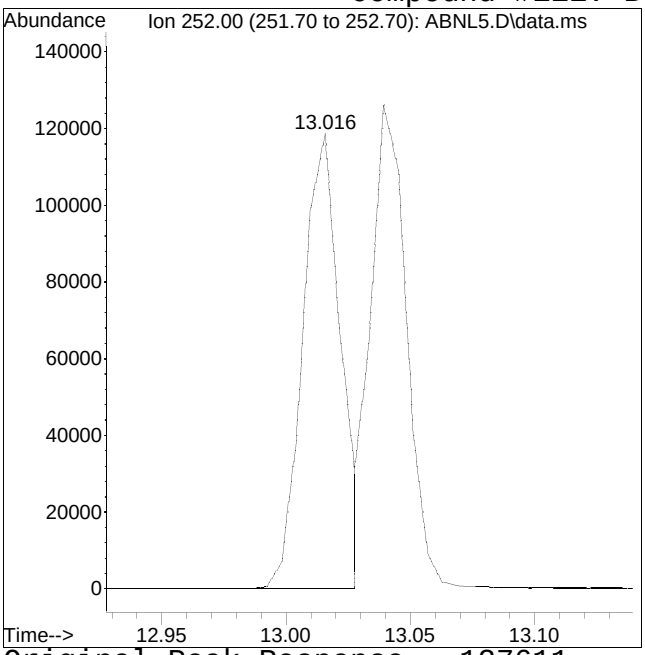


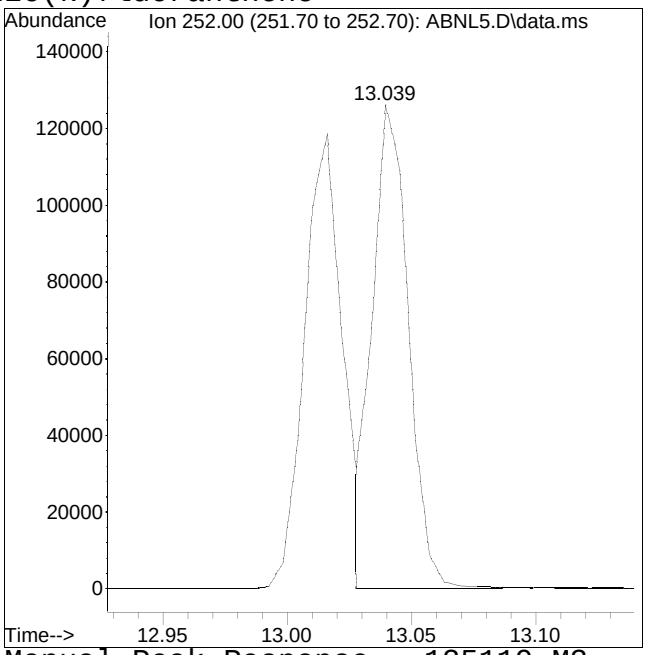
Original Peak Response = 117860 Manual Peak Response = 111945 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL5.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:30 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11179Quant Date : 12/16/2024 2:42 pm

Compound #111: Benzo(k)fluoranthene



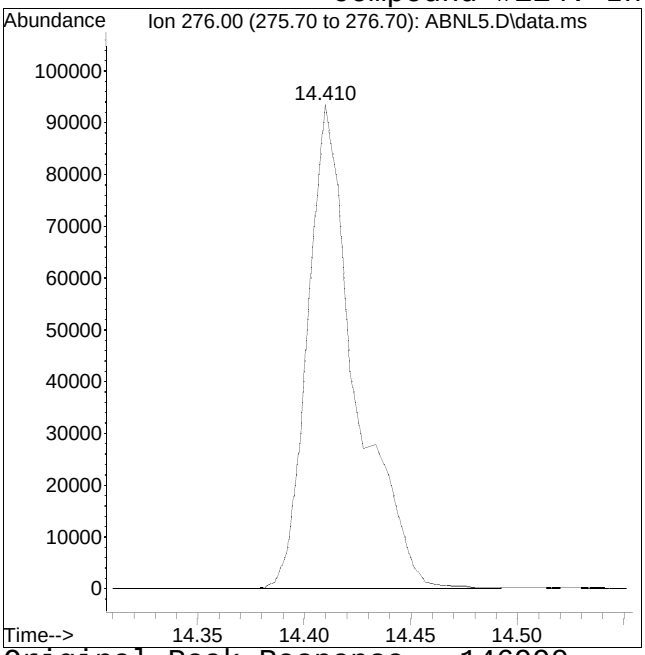


Original Peak Response = 127611 Manual Peak Response = 125119 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

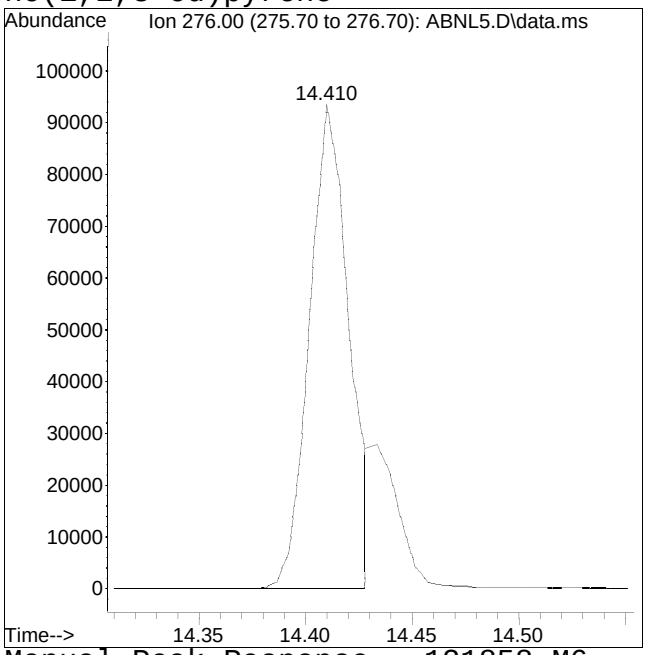
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL5.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:30 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11179Quant Date : 12/16/2024 2:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 146990



Manual Peak Response = 121858 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL4.D
Acq On : 15 Dec 2024 11:53 pm
Operator : SV112:HNY
Sample : IL7,32,,ABNL1 Lot# 11180
Misc : WG2010188
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 16 14:40:15 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	26028	4.000 ug/ml	0.00
Standard Area 1 = 28125			Recovery = 92.54%		
35) IS1_Naphthalene-d8	6.069	136	96614	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 91.75%		
63) IS1_Acenaphthene-d10	7.787	164	57967	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 88.08%		
88) IS1_Phenanthrene-d10	9.234	188	123478	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 89.09%		
104) IS1_Chrysene-d12	11.904	240	133654	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 83.58%		
113) IS1_Perylene-d12	13.392	264	148427	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 83.79%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.552	112	7401	1.018 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.90%		
7) Phenol-d6	4.493	99	9501	1.032 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.60%		
19) Nitrobenzene-d5	5.369	82	8603	1.039 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 103.90%		
46) 2-Fluorobiphenyl	7.146	172	23577	1.068 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 106.80%		
79) 2,4,6-Tribromophenol	8.557	330	3690	1.044 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.20%		
96) 4-Terphenyl-d14	10.828	244	36137	1.096 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 109.60%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.193	74	4805	0.999 ug/ml#	97
3) Pyridine	2.246	79	8684M1	1.168 ug/ml	
5) Aniline	4.505	93	11779	1.028 ug/ml#	48
6) 2-Chlorophenol	4.622	128	8649	1.050 ug/ml	96
8) Phenol	4.510	94	10753	1.030 ug/ml#	49
9) Bis(2-chloroethyl)ether	4.587	93	8360	1.054 ug/ml	98
10) 1,3-Dichlorobenzene	4.769	146	10792	1.072 ug/ml	94
11) 1,4-Dichlorobenzene	4.846	146	11159	1.097 ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	10535	1.064 ug/ml	97
13) Benzyl alcohol	4.975	79	6444	1.003 ug/ml	94
14) Bis(2-chloroisopropyl)...	5.116	45	9940	1.052 ug/ml#	53

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL4.D
Acq On : 15 Dec 2024 11:53 pm
Operator : SV112:HNY
Sample : IL7,32,,ABNL1 Lot# 11180
Misc : WG2010188
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 16 14:40:15 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.104	108	7164	1.015	ug/ml	98
16) Hexachloroethane	5.322	117	3994	1.039	ug/ml#	64
17) n-Nitrosodi-n-propylamine	5.246	70	5769	0.993	ug/ml#	89
18) 3-Methylphenol/4-Methy...	5.257	108	7873	1.026	ug/ml	98
20) Nitrobenzene	5.393	77	8998	1.052	ug/ml	94
21) Isophorone	5.634	82	14865	0.975	ug/ml	98
22) 2-Nitrophenol	5.704	139	3760	0.941	ug/ml	95
23) 2,4-Dimethylphenol	5.775	107	7157	1.001	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.863	93	10978	1.045	ug/ml#	98
25) 2,4-Dichlorophenol	5.946	162	7895	1.008	ug/ml	94
26) 1,2,4-Trichlorobenzene	6.022	180	10491	1.087	ug/ml	97
36) Naphthalene	6.093	128	27911	1.101	ug/ml	99
37) Benzoic Acid	5.822	105	4121	0.684	ug/ml	94
38) 4-Chloroaniline	6.157	65	3068	1.031	ug/ml	95
39) Hexachlorobutadiene	6.240	225	6799	1.086	ug/ml	98
40) p-Chloro-m-cresol	6.651	107	6903	1.004	ug/ml	95
41) 2-Methylnaphthalene	6.775	142	18116	1.031	ug/ml	97
42) 1-Methylnaphthalene	6.869	115	6081	1.027	ug/ml	93
43) Hexachlorocyclopentadiene	6.946	237	6828	1.048	ug/ml	98
44) 2,4,6-Trichlorophenol	7.063	196	6554	1.015	ug/ml	97
45) 2,4,5-Trichlorophenol	7.093	196	6841	0.990	ug/ml	97
47) 2-Chloronaphthalene	7.246	162	19471	1.042	ug/ml	92
48) 2-Nitroaniline	7.357	138	4270	0.877	ug/ml	98
49) 1,4-Dinitrobenzene	7.487	168	2337	0.869	ug/ml	86
50) 1,3-Dinitrobenzene	7.563	168	2709	0.892	ug/ml	90
51) Dimethyl phthalate	7.551	163	22752	1.027	ug/ml	99
52) Acenaphthylene	7.646	152	27876	1.059	ug/ml	98
53) 2,6-Dinitrotoluene	7.598	165	3896	0.923	ug/ml	97
54) 1,2-Dinitrobenzene	7.640	168	1618	0.860	ug/ml#	1
64) 3-Nitroaniline	7.757	138	4428	0.976	ug/ml#	93
65) Acenaphthene	7.822	154	17929	1.103	ug/ml	97
66) 2,4-Dinitrophenol	7.857	184	1987	0.969	ug/ml#	85
67) Dibenzofuran	7.993	168	30263	1.099	ug/ml	91
68) 2,4-Dinitrotoluene	7.987	165	5293	0.933	ug/ml	95
69) 4-Nitrophenol	7.940	65	3485	0.981	ug/ml	98
70) 2,3,5,6-Tetrachlorophenol	8.081	232	6289	1.053	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.122	232	6357	1.090	ug/ml	94
72) Diethyl phthalate	8.245	149	23255	1.091	ug/ml	96
73) Fluorene	8.322	166	22363	1.067	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.340	204	12626	1.100	ug/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL4.D
Acq On : 15 Dec 2024 11:53 pm
Operator : SV112:HNY
Sample : IL7,32,,ABNL1 Lot# 11180
Misc : WG2010188
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 16 14:40:15 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.345	138	4737	1.052	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.381	198	3065	1.010	ug/ml#	82
77)	NDPA/DPA	8.457	169	18443	1.057	ug/ml	91
78)	Azobenzene	8.493	77	20255	1.064	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.816	248	7866	1.074	ug/ml#	80
81)	Hexachlorobenzene	8.869	284	9532	1.068	ug/ml#	84
82)	Pentachlorophenol	9.063	266	4313	0.888	ug/ml	96
89)	Phenanthrene	9.257	178	37842	1.093	ug/ml	98
90)	Anthracene	9.304	178	35731	1.065	ug/ml	99
91)	Carbazole	9.469	167	32589	1.075	ug/ml	98
92)	Di-n-butylphthalate	9.857	149	33184	1.015	ug/ml	99
93)	Fluoranthene	10.422	202	43282M3	1.081	ug/ml	
94)	Benzidine	10.569	184	18330	0.890	ug/ml#	96
95)	Pyrene	10.639	202	46030	1.094	ug/ml	99
97)	Butyl benzyl phthalate	11.357	149	12270	0.844	ug/ml	98
105)	Benzo(a)anthracene	11.892	228	44710	1.070	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.892	252	14684	1.001	ug/ml#	97
107)	Chrysene	11.928	228	48643	1.141	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.998	149	19368	0.935	ug/ml#	99
109)	Di-n-octylphthalate	12.686	149	29474	0.922	ug/ml#	97
110)	Benzo(b)fluoranthene	13.016	252	48853	1.125	ug/ml#	95
111)	Benzo(k)fluoranthene	13.039	252	45226M3	1.134	ug/ml	
112)	Benzo(a)pyrene	13.333	252	41360	1.109	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.410	276	45712M6	1.065	ug/mL	
115)	Dibenzo(a,h)anthracene	14.433	278	44290	1.096	ug/ml#	91
116)	Benzo(ghi)perylene	14.680	276	43816	1.087	ug/ml#	93

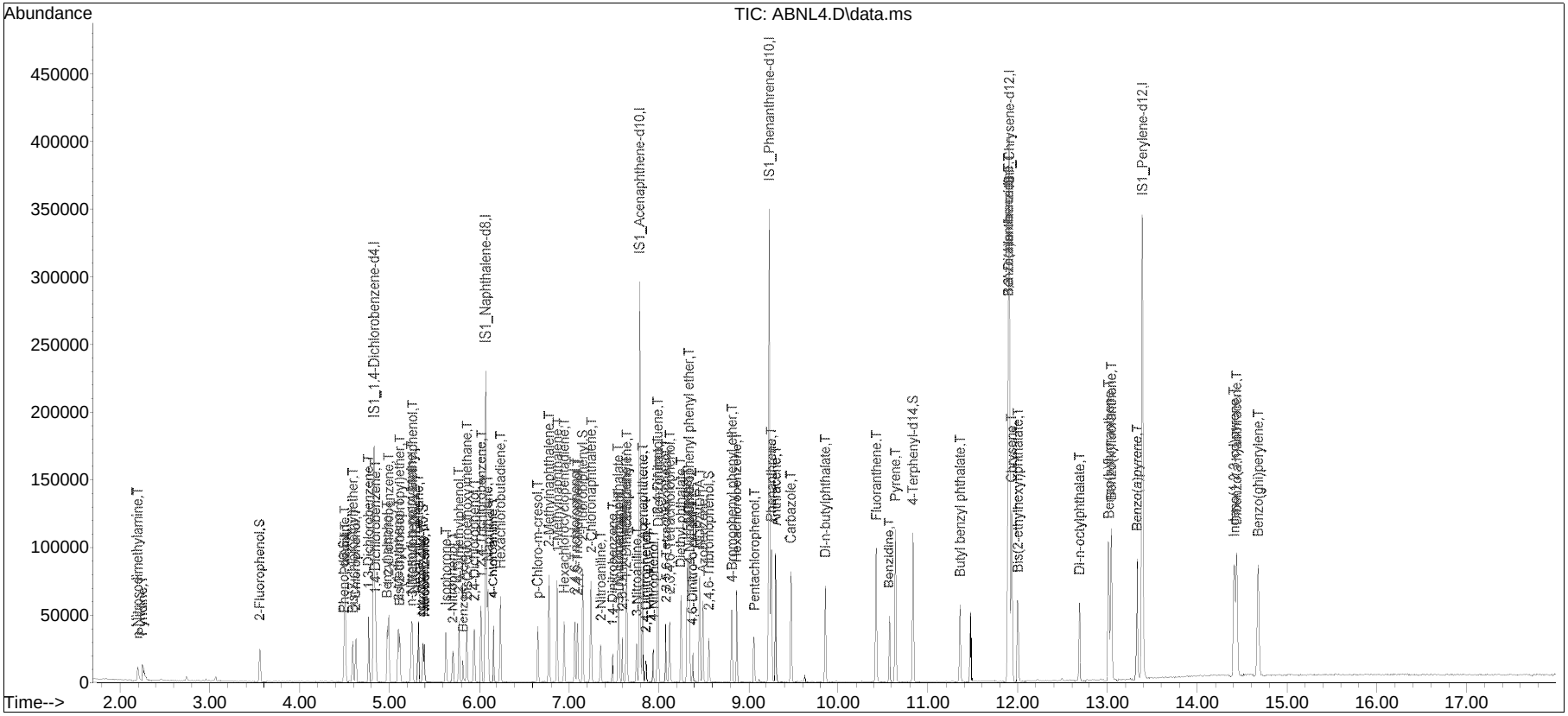
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL4.D
Acq On : 15 Dec 2024 11:53 pm
Operator : SV112:HNY
Sample : IL7,32,,ABNL1 Lot# 11180
Misc : WG2010188
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 16 14:40:15 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

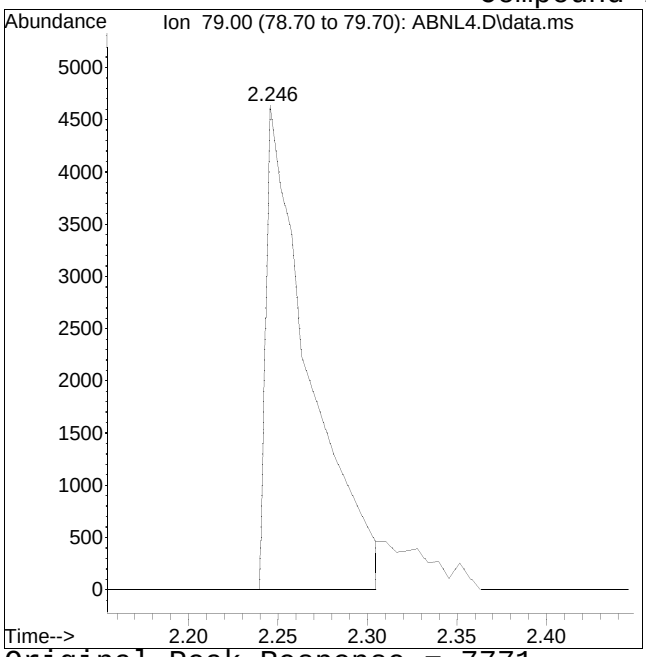
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

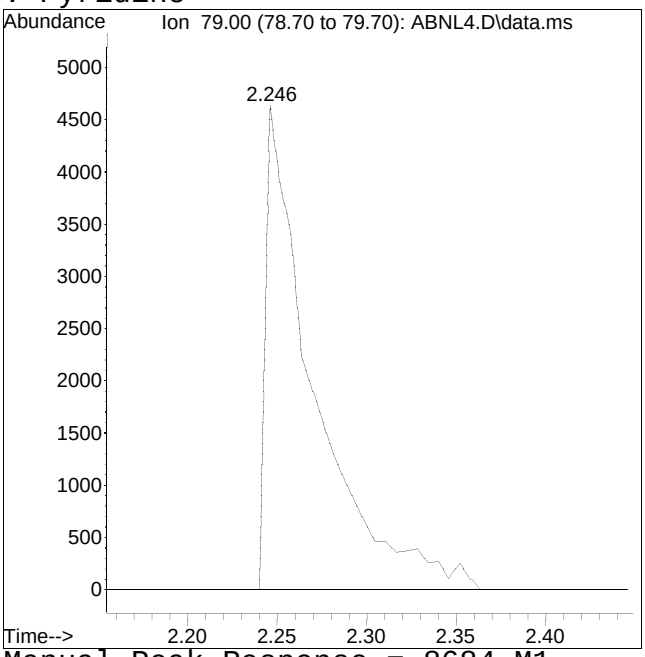


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL4.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:53 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11180 Quant Date : 12/16/2024 2:42 pm

Compound #3: Pyridine



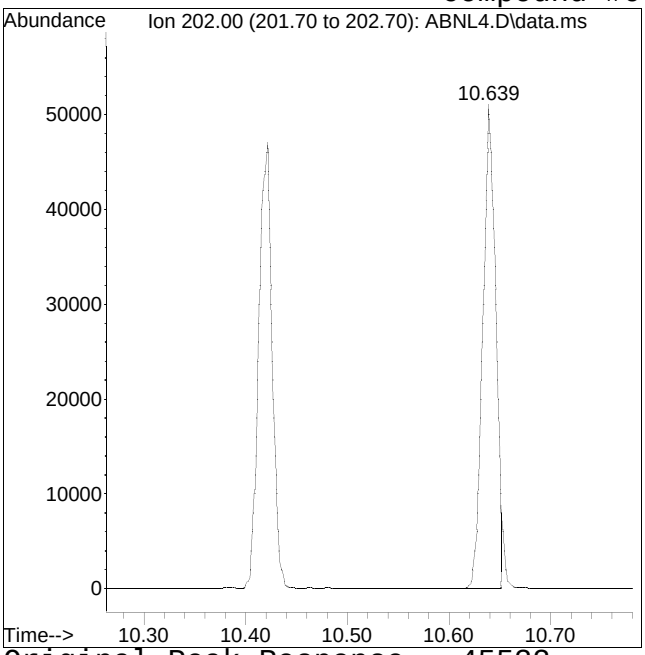


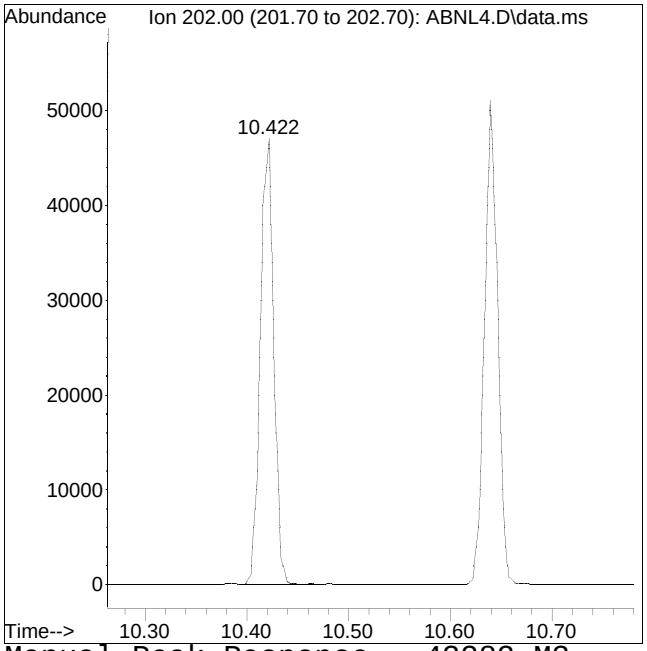
Original Peak Response = 7771 Manual Peak Response = 8684 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL4.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:53 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11180 Quant Date : 12/16/2024 2:42 pm

Compound #93: Fluoranthene



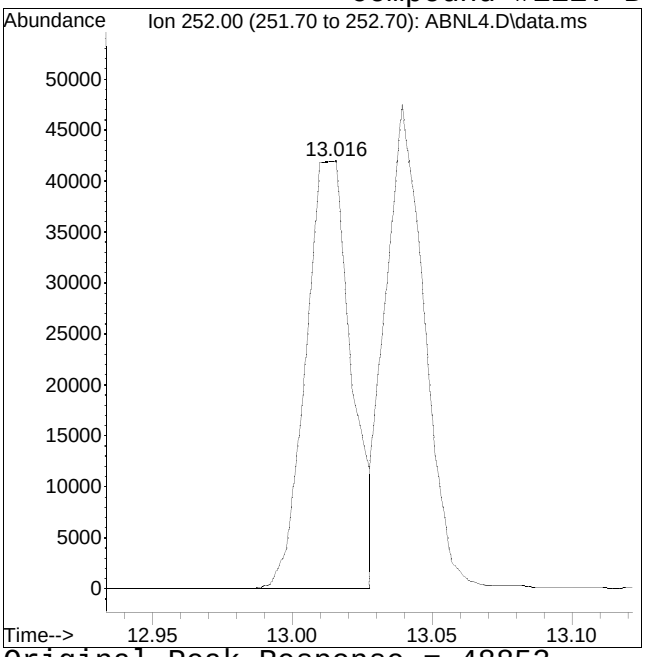


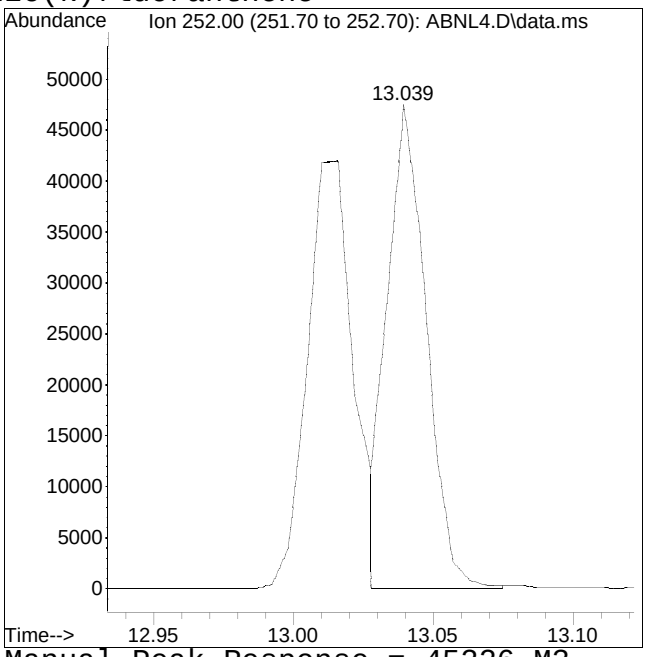
Original Peak Response = 45532 Manual Peak Response = 43282 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL4.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:53 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11180 Quant Date : 12/16/2024 2:42 pm

Compound #111: Benzo(k)fluoranthene





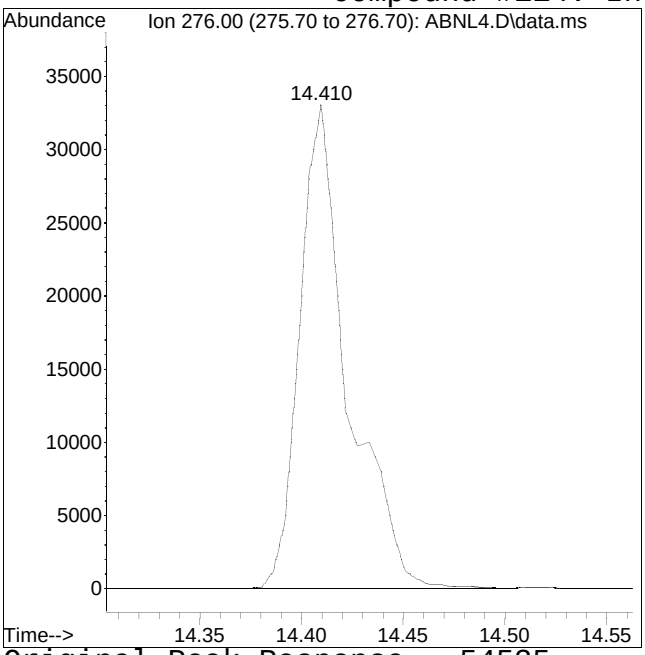
Original Peak Response = 48853 Manual Peak Response = 45226 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

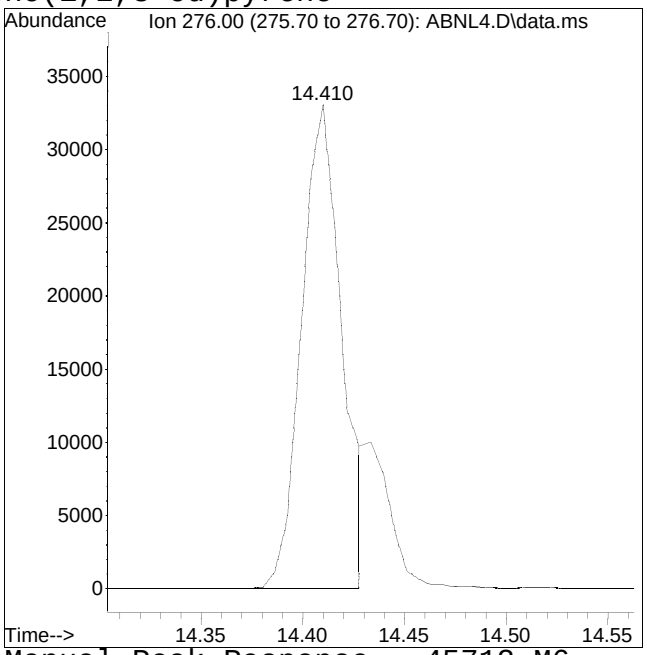
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL4.D Operator : SV112:HNY
Date Inj'd : 12/15/2024 11:53 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11180 Quant Date : 12/16/2024 2:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 54535



Manual Peak Response = 45712 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL3.D
Acq On : 16 Dec 2024 12:18 am
Operator : SV112:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11181
Misc : WG2010188
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 14:40:07 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	27052	4.000 ug/ml	0.00
Standard Area 1 = 28125			Recovery = 96.18%		
35) IS1_Naphthalene-d8	6.075	136	99452	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 94.45%		
63) IS1_Acenaphthene-d10	7.793	164	59931	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 91.06%		
88) IS1_Phenanthrene-d10	9.234	188	124537	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 89.85%		
104) IS1_Chrysene-d12	11.904	240	134798	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 84.30%		
113) IS1_Perylene-d12	13.393	264	151035	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 85.26%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.558	112	3895	0.515 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.75%		
7) Phenol-d6	4.499	99	4842	0.506 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.30%		
19) Nitrobenzene-d5	5.375	82	4048	0.470 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.00%		
46) 2-Fluorobiphenyl	7.146	172	11764	0.518 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 51.80%		
79) 2,4,6-Tribromophenol	8.557	330	1332	0.364 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 18.20%		
96) 4-Terphenyl-d14	10.828	244	18061	0.543 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.30%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.211	74	2737	0.547 ug/ml#	92
3) Pyridine	2.275	79	3825M1	0.495 ug/ml	
5) Aniline	4.511	93	5766	0.484 ug/ml#	50
6) 2-Chlorophenol	4.622	128	4099	0.479 ug/ml	96
8) Phenol	4.511	94	5570	0.514 ug/ml#	57
9) Bis(2-chloroethyl)ether	4.593	93	4137	0.502 ug/ml	97
10) 1,3-Dichlorobenzene	4.775	146	5932	0.567 ug/ml	92
11) 1,4-Dichlorobenzene	4.846	146	5518	0.522 ug/ml	97
12) 1,2-Dichlorobenzene	4.993	146	5626	0.547 ug/ml	94
13) Benzyl alcohol	4.981	79	3222	0.482 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.122	45	4887	0.498 ug/ml#	54

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL3.D
Acq On : 16 Dec 2024 12:18 am
Operator : SV112:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11181
Misc : WG2010188
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 14:40:07 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	3508	0.478	ug/ml	95
16) Hexachloroethane	5.322	117	1817	0.455	ug/ml#	53
17) n-Nitrosodi-n-propylamine	5.246	70	2894	0.479	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.258	108	3941	0.494	ug/ml#	90
20) Nitrobenzene	5.393	77	4165	0.468	ug/ml#	92
21) Isophorone	5.634	82	7691	0.486	ug/ml	99
22) 2-Nitrophenol	5.711	139	1832	0.441	ug/ml#	76
23) 2,4-Dimethylphenol	5.775	107	3630	0.488	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.864	93	5511	0.505	ug/ml	98
25) 2,4-Dichlorophenol	5.946	162	3958	0.486	ug/ml	95
26) 1,2,4-Trichlorobenzene	6.028	180	5509	0.549	ug/ml	91
36) Naphthalene	6.093	128	13952	0.535	ug/ml	98
37) Benzoic Acid	5.822	105	1803	0.291	ug/ml	94
38) 4-Chloroaniline	6.158	65	1324	0.432	ug/ml	73
39) Hexachlorobutadiene	6.240	225	3480	0.540	ug/ml	96
40) p-Chloro-m-cresol	6.652	107	3410	0.482	ug/ml	94
41) 2-Methylnaphthalene	6.775	142	8818	0.488	ug/ml	94
42) 1-Methylnaphthalene	6.869	115	3138	0.515	ug/ml	94
43) Hexachlorocyclopentadiene	6.946	237	3107	0.463	ug/ml#	94
44) 2,4,6-Trichlorophenol	7.063	196	3158	0.475	ug/ml	99
45) 2,4,5-Trichlorophenol	7.093	196	3589	0.505	ug/ml	98
47) 2-Chloronaphthalene	7.246	162	10307	0.536	ug/ml	92
48) 2-Nitroaniline	7.358	138	2166	0.432	ug/ml	95
49) 1,4-Dinitrobenzene	7.487	168	1013	0.366	ug/ml	99
50) 1,3-Dinitrobenzene	7.563	168	1255	0.401	ug/ml	93
51) Dimethyl phthalate	7.552	163	11668	0.512	ug/ml#	98
52) Acenaphthylene	7.646	152	13861	0.512	ug/ml	97
53) 2,6-Dinitrotoluene	7.599	165	1977	0.455	ug/ml	90
54) 1,2-Dinitrobenzene	7.646	168	720	0.372	ug/ml#	1
64) 3-Nitroaniline	7.758	138	1954	0.417	ug/ml#	85
65) Acenaphthene	7.822	154	9033	0.538	ug/ml	97
66) 2,4-Dinitrophenol	7.858	184	988	0.650	ug/ml#	25
67) Dibenzofuran	7.993	168	15333	0.539	ug/ml	93
68) 2,4-Dinitrotoluene	7.987	165	2421	0.413	ug/ml	93
69) 4-Nitrophenol	7.940	65	1697	0.462	ug/ml	98
70) 2,3,5,6-Tetrachlorophenol	8.081	232	2978	0.482	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.122	232	2866	0.475	ug/ml	99
72) Diethyl phthalate	8.252	149	11021	0.500	ug/ml	97
73) Fluorene	8.322	166	11111	0.513	ug/ml	95
74) 4-Chlorophenyl phenyl ...	8.340	204	5953	0.502	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL3.D
Acq On : 16 Dec 2024 12:18 am
Operator : SV112:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11181
Misc : WG2010188
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 14:40:07 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.346	138	2438	0.524	ug/ml#	86
76)	4,6-Dinitro-o-cresol	8.381	198	1266	0.584	ug/ml#	89
77)	NDPA/DPA	8.458	169	9080	0.503	ug/ml	92
78)	Azobenzene	8.493	77	10043	0.510	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.816	248	3909	0.516	ug/ml#	79
81)	Hexachlorobenzene	8.869	284	4917	0.533	ug/ml#	85
82)	Pentachlorophenol	9.063	266	1920	0.382	ug/ml	98
89)	Phenanthrene	9.257	178	19049	0.545	ug/ml	99
90)	Anthracene	9.305	178	18608	0.550	ug/ml	99
91)	Carbazole	9.475	167	16005	0.524	ug/ml	97
92)	Di-n-butylphthalate	9.857	149	16081	0.488	ug/ml	99
93)	Fluoranthene	10.422	202	21370M3	0.529	ug/ml	
94)	Benzidine	10.569	184	7626	0.367	ug/ml#	96
95)	Pyrene	10.640	202	23379	0.551	ug/ml	99
97)	Butyl benzyl phthalate	11.357	149	5980	0.408	ug/ml	94
105)	Benzo(a)anthracene	11.893	228	22419	0.532	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.893	252	6856	0.463	ug/ml	99
107)	Chrysene	11.934	228	25096	0.584	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.004	149	8729	0.418	ug/ml#	99
109)	Di-n-octylphthalate	12.687	149	13884	0.431	ug/ml#	95
110)	Benzo(b)fluoranthene	13.016	252	23421	0.535	ug/ml#	96
111)	Benzo(k)fluoranthene	13.040	252	22100M3	0.550	ug/ml	
112)	Benzo(a)pyrene	13.334	252	20236	0.538	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.410	276	21140M6	0.484	ug/mL	
115)	Dibenzo(a,h)anthracene	14.434	278	21233	0.516	ug/ml#	92
116)	Benzo(ghi)perylene	14.681	276	21967	0.536	ug/ml#	92

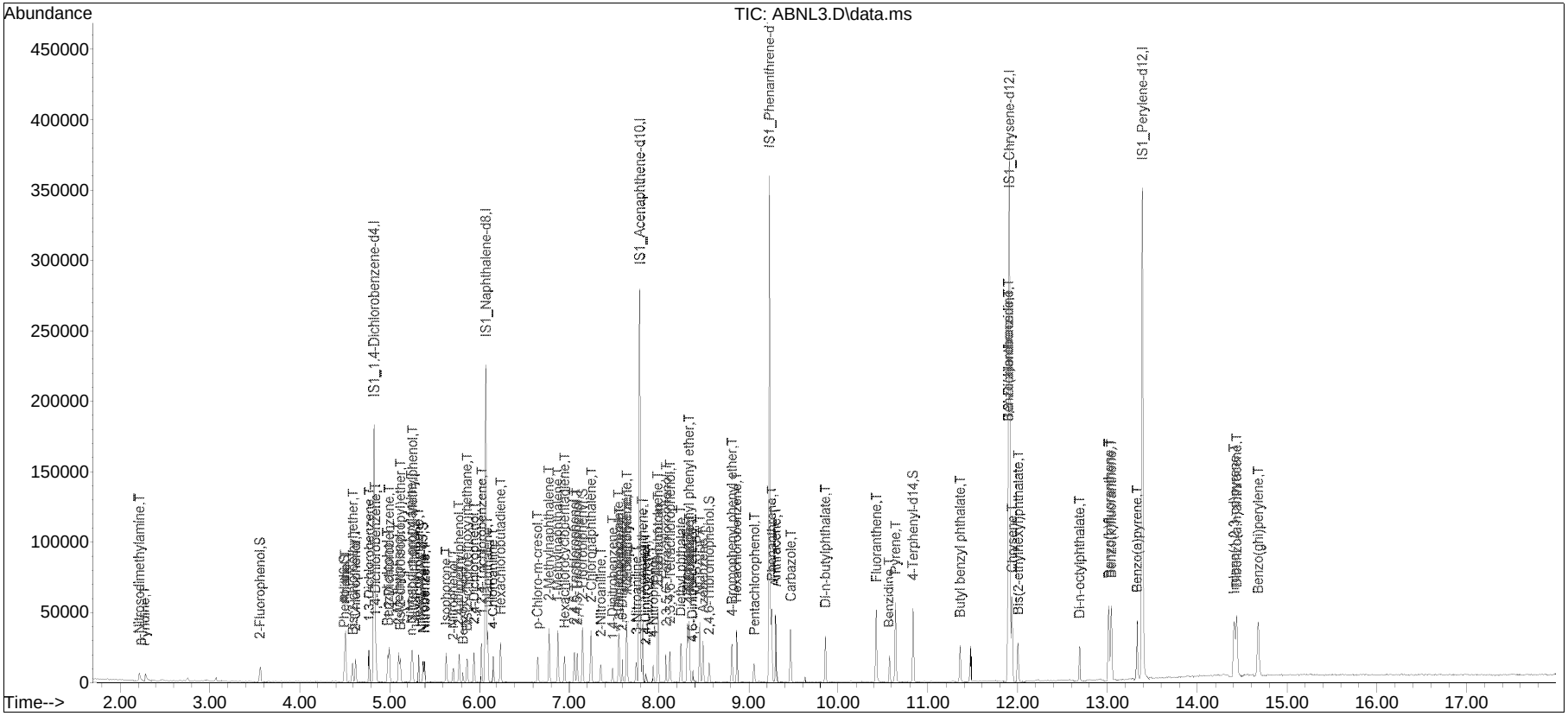
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL3.D
Acq On : 16 Dec 2024 12:18 am
Operator : SV112:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11181
Misc : WG2010188
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 14:40:07 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

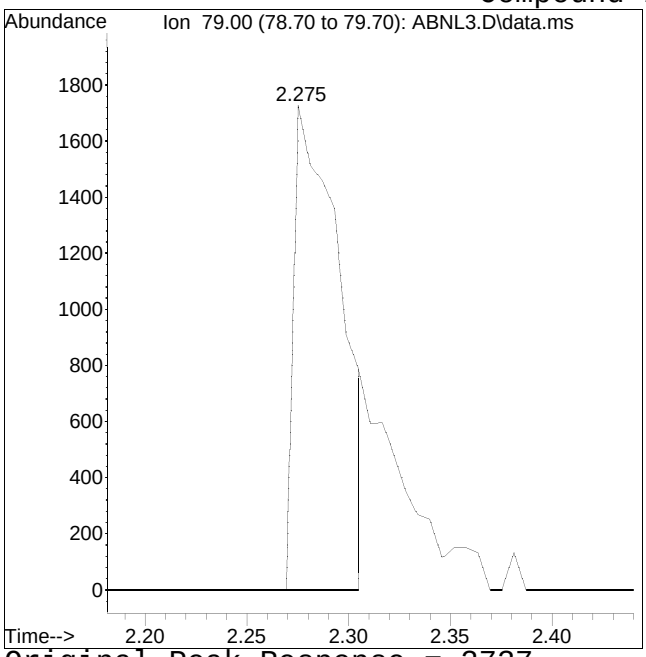
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

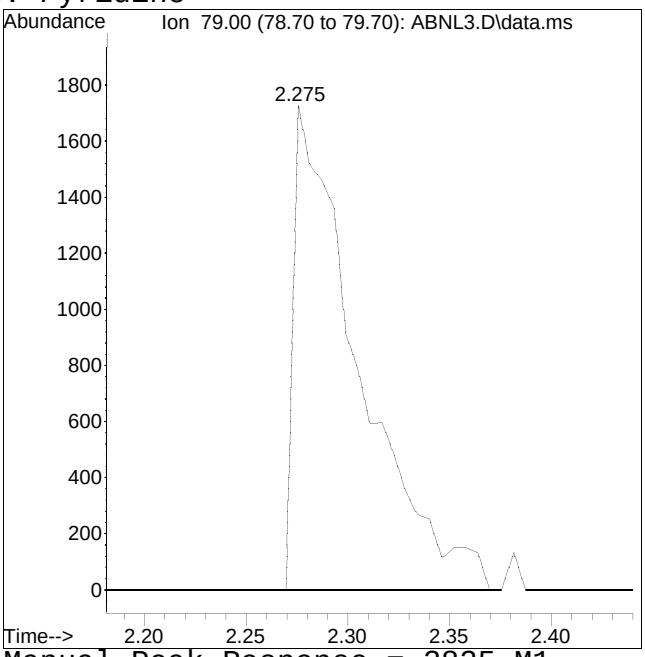


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL3.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:18 am Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11181Quant Date : 12/16/2024 2:41 pm

Compound #3: Pyridine



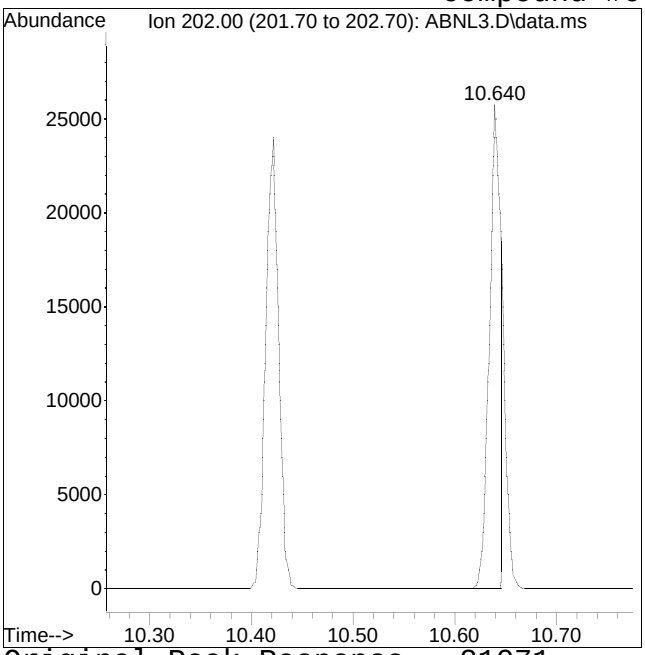


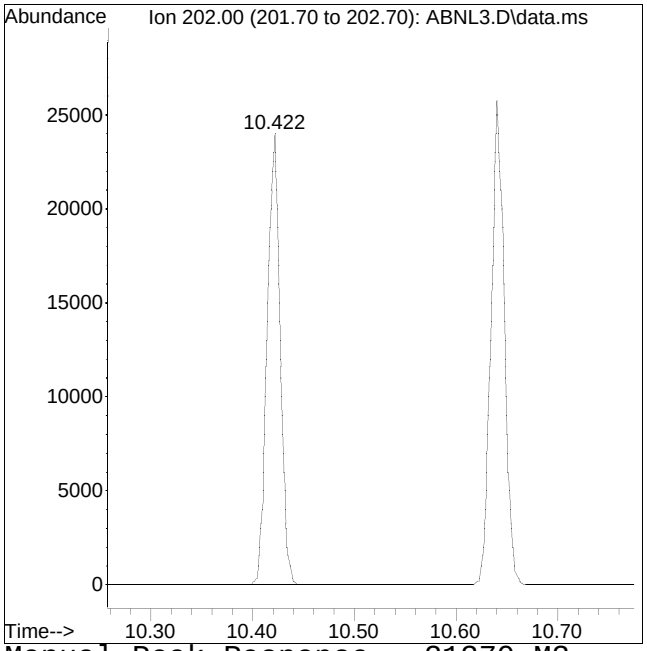
Original Peak Response = 2737 Manual Peak Response = 3825 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL3.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:18 am Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11181Quant Date : 12/16/2024 2:41 pm

Compound #93: Fluoranthene



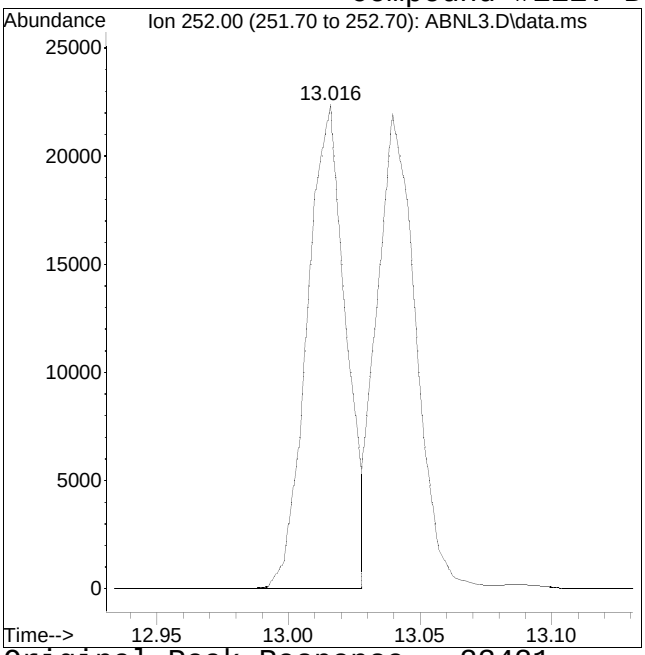


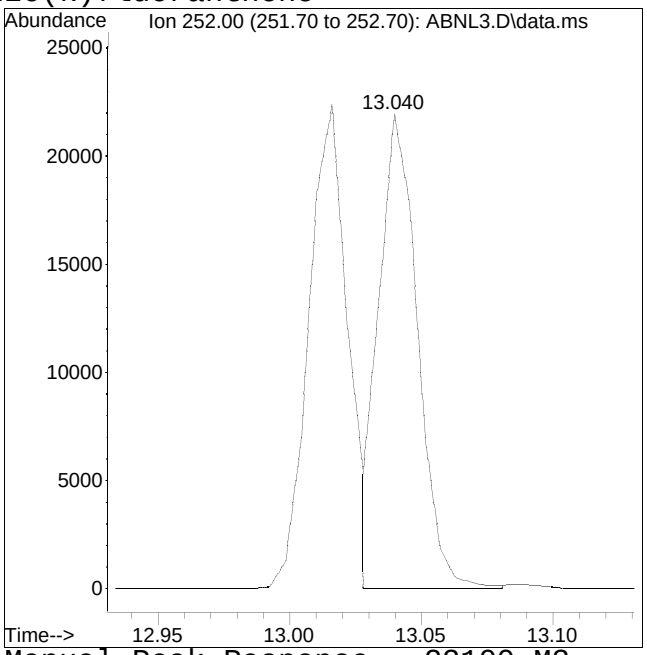
Original Peak Response = 21071 Manual Peak Response = 21370 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL3.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:18 am Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11181Quant Date : 12/16/2024 2:41 pm

Compound #111: Benzo(k)fluoranthene



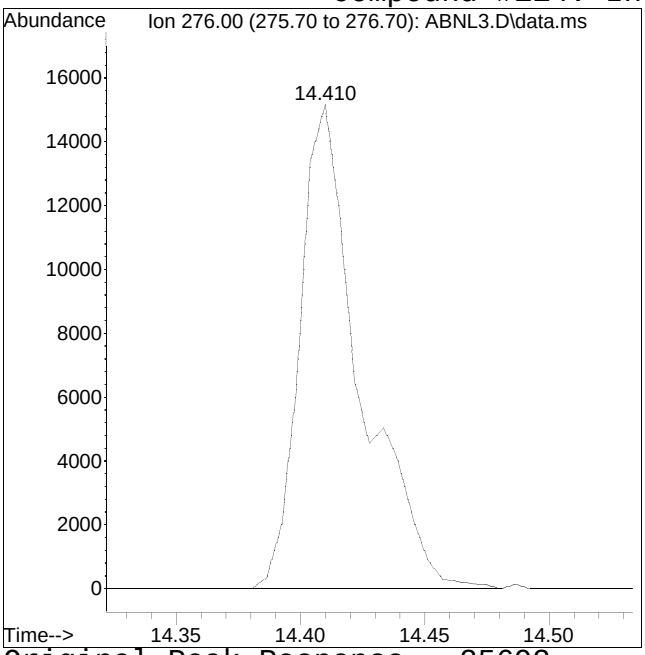


Original Peak Response = 23421 Manual Peak Response = 22100 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

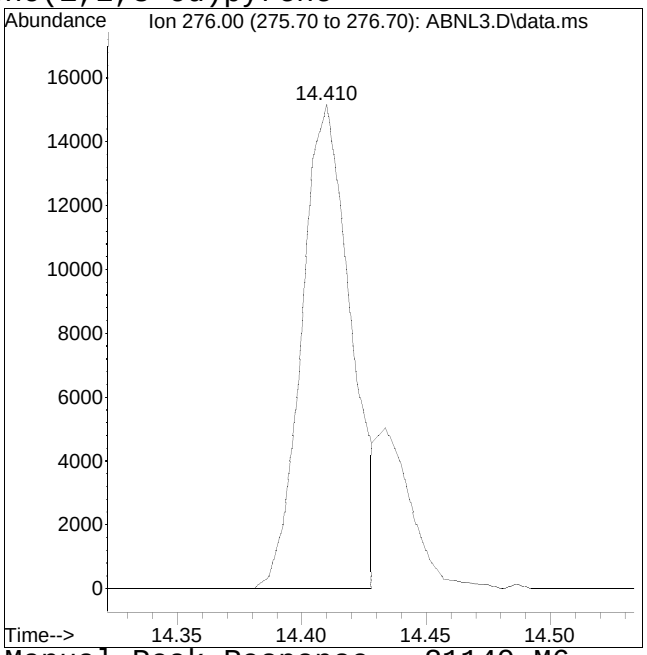
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL3.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:18 am Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11181Quant Date : 12/16/2024 2:41 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 25692



Manual Peak Response = 21140 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL2.D
Acq On : 16 Dec 2024 12:42 am
Operator : SV112:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11182
Misc : WG2010188
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 16 14:39:59 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	26672	4.000	ug/ml	0.00
Standard Area 1 = 28125			Recovery = 94.83%			
35) IS1_Naphthalene-d8	6.069	136	96335	4.000	ug/ml	0.00
Standard Area 1 = 105297			Recovery = 91.49%			
63) IS1_Acenaphthene-d10	7.787	164	57589	4.000	ug/ml	0.00
Standard Area 1 = 65814			Recovery = 87.50%			
88) IS1_Phenanthrene-d10	9.234	188	124646	4.000	ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 89.93%			
104) IS1_Chrysene-d12	11.904	240	133153	4.000	ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 83.27%			
113) IS1_Perylene-d12	13.392	264	145096	4.000	ug/ml	0.00
Standard Area 1 = 177145			Recovery = 81.91%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.552	112	1474	0.198	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.90%#			
7) Phenol-d6	4.493	99	1793	0.190	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.50%#			
19) Nitrobenzene-d5	5.375	82	1537	0.181	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 18.10%#			
46) 2-Fluorobiphenyl	7.146	172	5069	0.230	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 23.00%#			
79) 2,4,6-Tribromophenol	8.557	330	688	0.196	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.80%#			
96) 4-Terphenyl-d14	10.828	244	7227	0.217	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.70%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.205	74	882	0.179	ug/ml#	92
3) Pyridine	2.287	79	1551M1	0.204	ug/ml	
5) Aniline	4.511	93	1954	0.166	ug/ml#	39
6) 2-Chlorophenol	4.622	128	1683	0.199	ug/ml	98
8) Phenol	4.511	94	1953	0.183	ug/ml#	50
9) Bis(2-chloroethyl)ether	4.587	93	1768	0.218	ug/ml	91
10) 1,3-Dichlorobenzene	4.769	146	2132	0.207	ug/ml	94
11) 1,4-Dichlorobenzene	4.846	146	2229	0.214	ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	2083	0.205	ug/ml	90
13) Benzyl alcohol	4.975	79	1289	0.196	ug/ml	94
14) Bis(2-chloroisopropyl)...	5.116	45	2063	0.213	ug/ml#	41

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL2.D
Acq On : 16 Dec 2024 12:42 am
Operator : SV112:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11182
Misc : WG2010188
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 16 14:39:59 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	1382	0.191	ug/ml#	84
16) Hexachloroethane	5.322	117	876	0.222	ug/ml#	72
17) n-Nitrosodi-n-propylamine	5.252	70	1104	0.185	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.258	108	1597	0.203	ug/ml#	94
20) Nitrobenzene	5.393	77	1765	0.201	ug/ml#	81
21) Isophorone	5.634	82	3010	0.193	ug/ml#	67
22) 2-Nitrophenol	5.705	139	654	0.160	ug/ml#	33
23) 2,4-Dimethylphenol	5.775	107	1368	0.187	ug/ml	94
24) Bis(2-chloroethoxy)met...	5.863	93	2200	0.204	ug/ml#	91
25) 2,4-Dichlorophenol	5.946	162	1557	0.194	ug/ml#	67
26) 1,2,4-Trichlorobenzene	6.022	180	1987	0.201	ug/ml	92
36) Naphthalene	6.093	128	5633	0.223	ug/ml	99
37) Benzoic Acid	5.822	105	336M2	0.056	ug/ml	
38) 4-Chloroaniline	6.158	65	644	0.217	ug/ml	83
39) Hexachlorobutadiene	6.240	225	1434	0.230	ug/ml	96
40) p-Chloro-m-cresol	6.652	107	1187	0.173	ug/ml#	78
41) 2-Methylnaphthalene	6.775	142	3846	0.220	ug/ml	99
42) 1-Methylnaphthalene	6.869	115	1232	0.209	ug/ml	89
43) Hexachlorocyclopentadiene	6.946	237	1309	0.201	ug/ml#	88
44) 2,4,6-Trichlorophenol	7.063	196	1181	0.184	ug/ml#	78
45) 2,4,5-Trichlorophenol	7.093	196	1267	0.184	ug/ml#	83
47) 2-Chloronaphthalene	7.246	162	3942	0.212	ug/ml	94
48) 2-Nitroaniline	7.357	138	946	0.195	ug/ml	93
49) 1,4-Dinitrobenzene	7.487	168	544M3	0.203	ug/ml	
50) 1,3-Dinitrobenzene	7.563	168	522	0.172	ug/ml	92
51) Dimethyl phthalate	7.552	163	4611	0.209	ug/ml#	77
52) Acenaphthylene	7.646	152	5397	0.206	ug/ml	98
53) 2,6-Dinitrotoluene	7.599	165	699	0.166	ug/ml#	37
54) 1,2-Dinitrobenzene	7.640	168	314M3	0.167	ug/ml	
64) 3-Nitroaniline	7.757	138	764	0.170	ug/ml#	61
65) Acenaphthene	7.822	154	3569	0.221	ug/ml	89
66) 2,4-Dinitrophenol	7.857	184	248M2	0.432	ug/ml	
67) Dibenzofuran	7.993	168	6567	0.240	ug/ml	87
68) 2,4-Dinitrotoluene	7.987	165	909	0.161	ug/ml	88
69) 4-Nitrophenol	7.940	65	470M3	0.133	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	8.081	232	1001	0.169	ug/ml	91
71) 2,3,4,6-Tetrachlorophenol	8.122	232	975M3	0.168	ug/ml	
72) Diethyl phthalate	8.246	149	4314	0.204	ug/ml#	86
73) Fluorene	8.322	166	4503	0.216	ug/ml	96
74) 4-Chlorophenyl phenyl ...	8.340	204	2674	0.235	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL2.D
Acq On : 16 Dec 2024 12:42 am
Operator : SV112:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11182
Misc : WG2010188
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 16 14:39:59 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.346	138	631	0.141	ug/ml#	51
76)	4,6-Dinitro-o-cresol	8.381	198	502	0.418	ug/ml#	1
77)	NDPA/DPA	8.457	169	3695	0.213	ug/ml	98
78)	Azobenzene	8.493	77	3679	0.194	ug/ml	92
80)	4-Bromophenyl phenyl e...	8.816	248	1650	0.227	ug/ml#	76
81)	Hexachlorobenzene	8.869	284	1893	0.213	ug/ml#	86
82)	Pentachlorophenol	9.063	266	740	0.153	ug/ml#	18
89)	Phenanthrene	9.257	178	8204	0.235	ug/ml	98
90)	Anthracene	9.304	178	7510	0.222	ug/ml	98
91)	Carbazole	9.469	167	6412	0.210	ug/ml	96
92)	Di-n-butylphthalate	9.857	149	6552	0.199	ug/ml#	93
93)	Fluoranthene	10.422	202	8999M3	0.223	ug/ml	
94)	Benzidine	10.569	184	1690	0.081	ug/ml#	68
95)	Pyrene	10.640	202	9180	0.216	ug/ml	99
97)	Butyl benzyl phthalate	11.357	149	2291	0.156	ug/ml#	92
105)	Benzo(a)anthracene	11.893	228	9185	0.221	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.893	252	2438	0.167	ug/ml#	87
107)	Chrysene	11.928	228	10016	0.236	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	12.004	149	3512	0.170	ug/ml#	96
109)	Di-n-octylphthalate	12.687	149	5220	0.164	ug/ml#	99
110)	Benzo(b)fluoranthene	13.010	252	9009	0.208	ug/ml#	95
111)	Benzo(k)fluoranthene	13.040	252	8399M3	0.211	ug/ml	
112)	Benzo(a)pyrene	13.334	252	7336	0.197	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	14.410	276	9432M6	0.225	ug/mL	
115)	Dibenzo(a,h)anthracene	14.434	278	8210	0.208	ug/ml#	92
116)	Benzo(ghi)perylene	14.681	276	8251	0.209	ug/ml	97

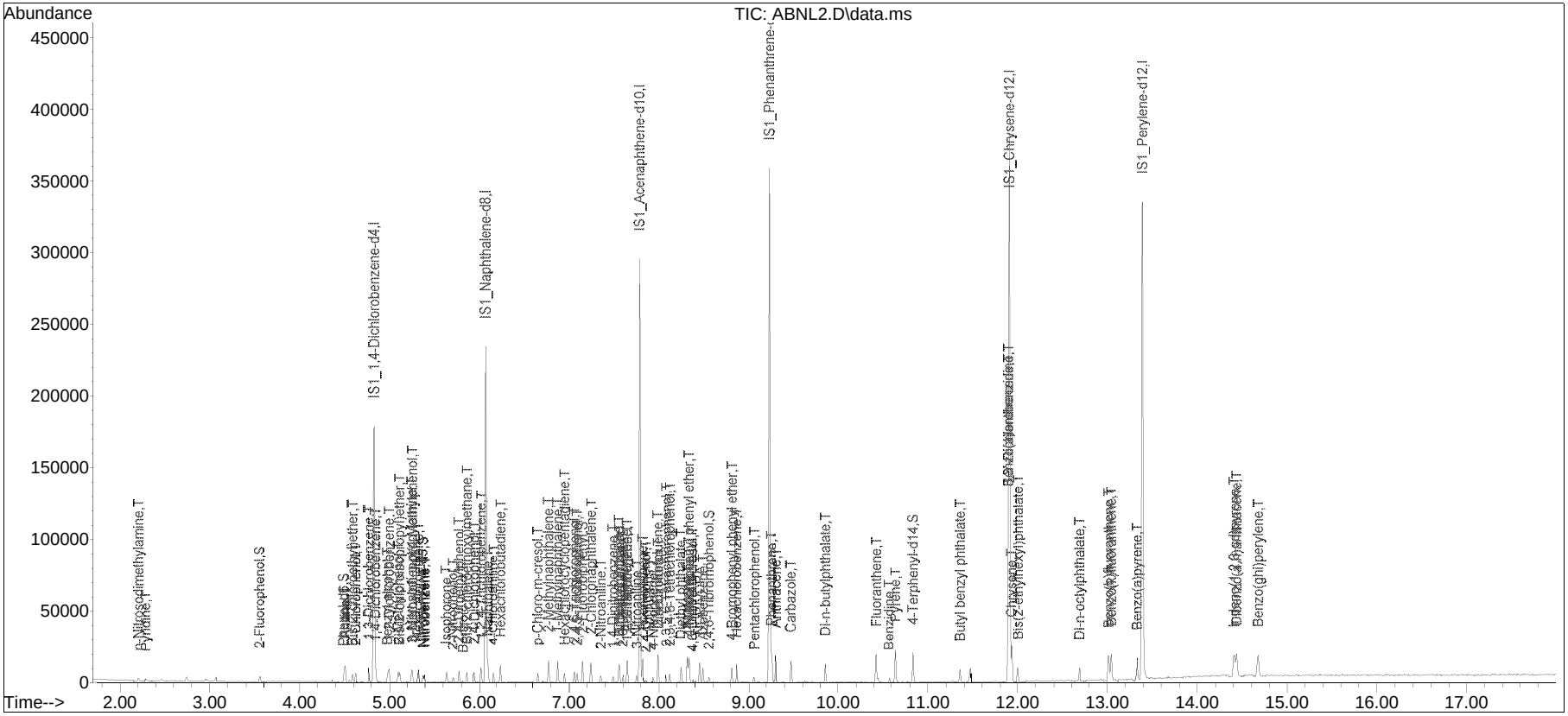
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL2.D
Acq On : 16 Dec 2024 12:42 am
Operator : SV112:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11182
Misc : WG2010188
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 16 14:39:59 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

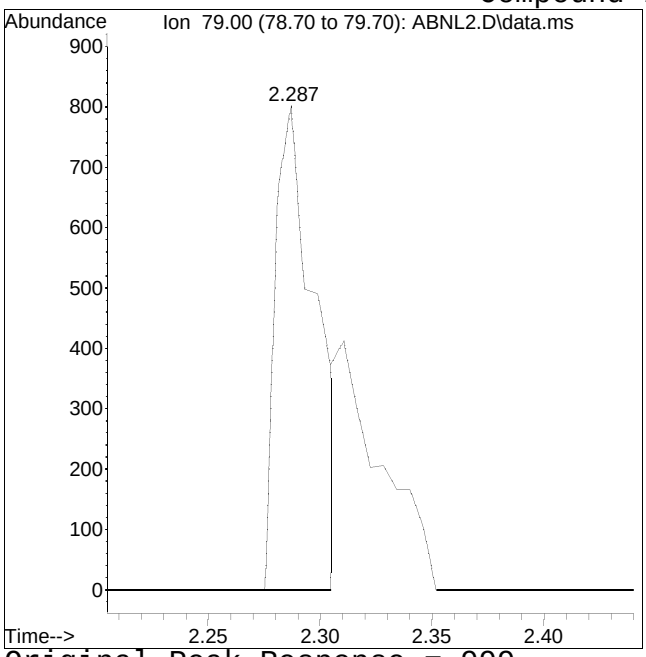
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



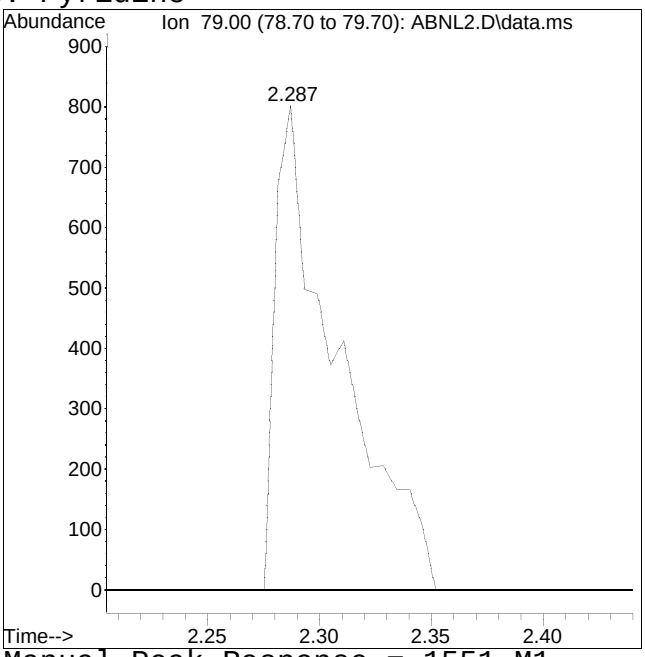
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #3: Pyridine



Original Peak Response = 999



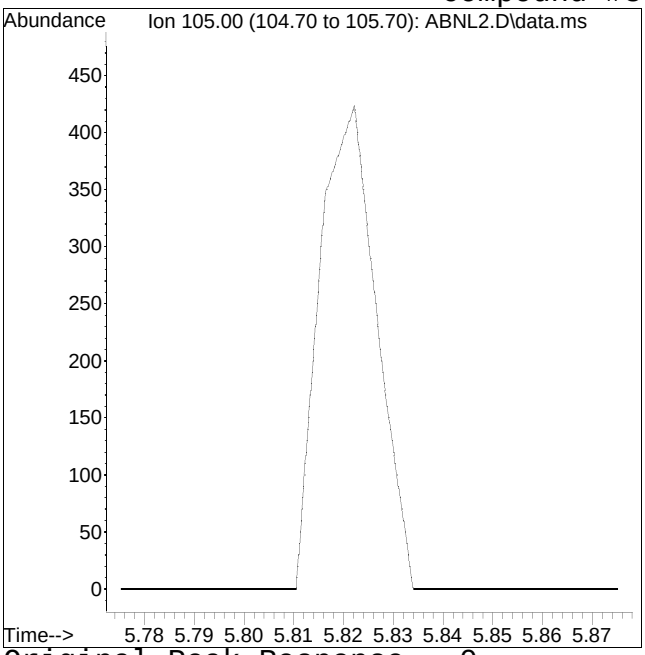
Manual Peak Response = 1551 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

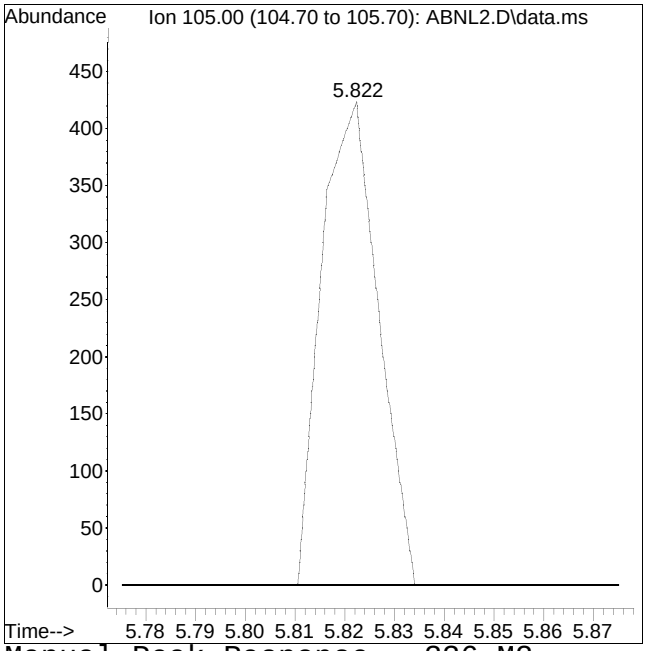
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #37: Benzoic Acid



Original Peak Response = 0



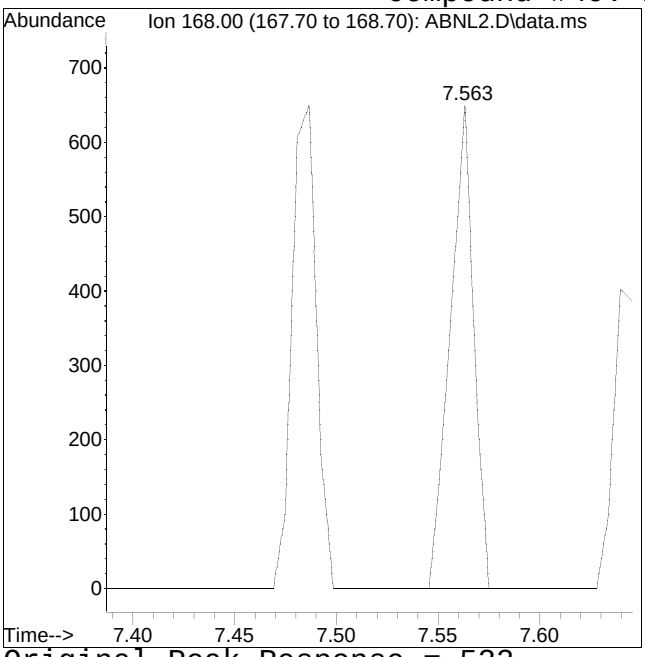
Manual Peak Response = 336 M2

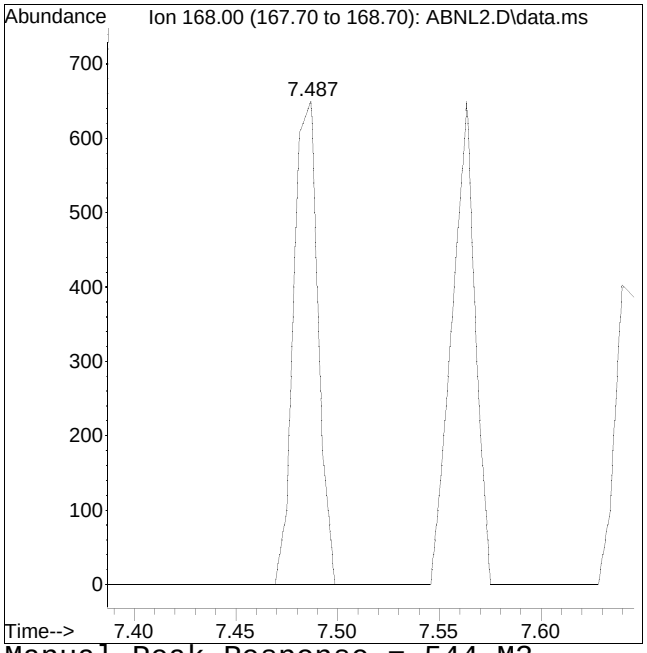
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #49: 1,4-Dinitrobenzene





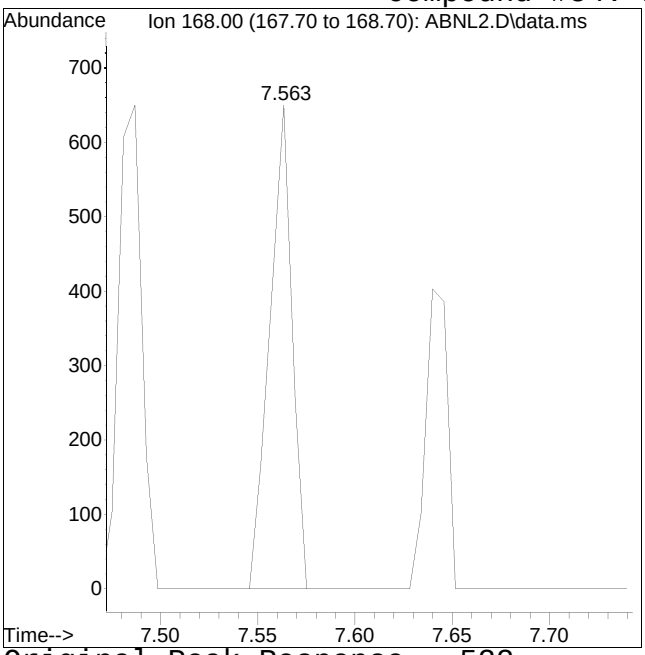
Original Peak Response = 522 Manual Peak Response = 544 M3

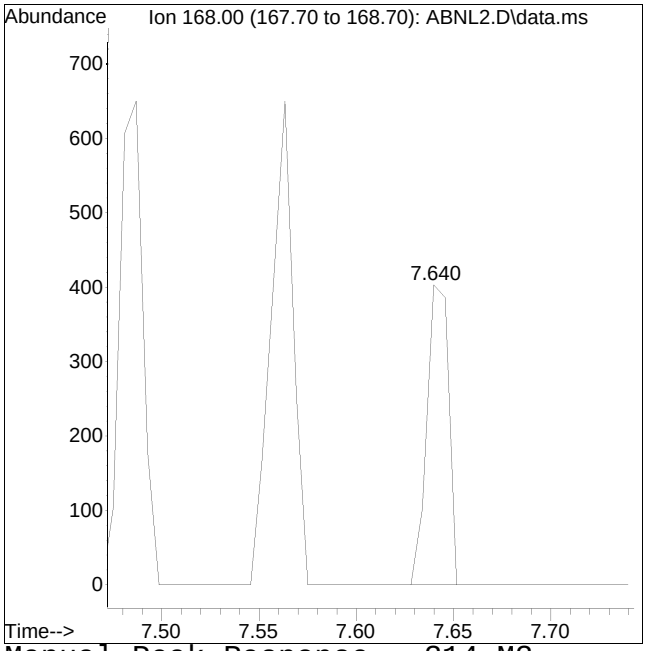
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #54: 1,2-Dinitrobenzene



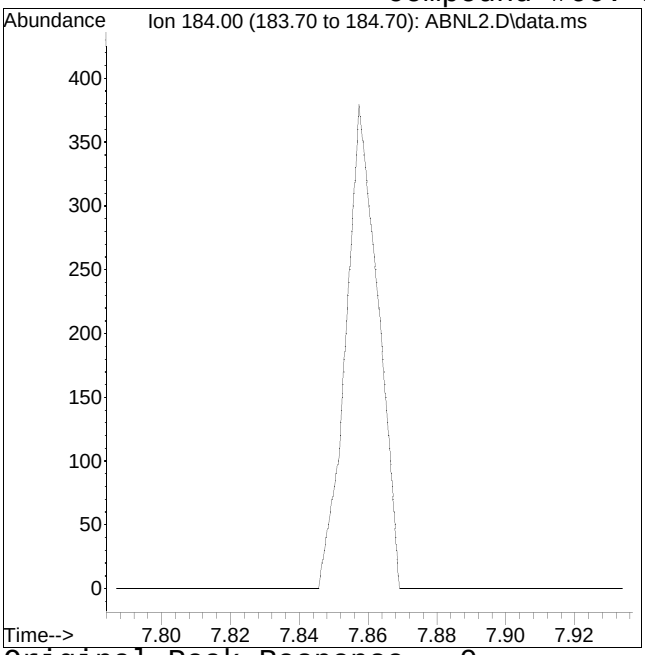


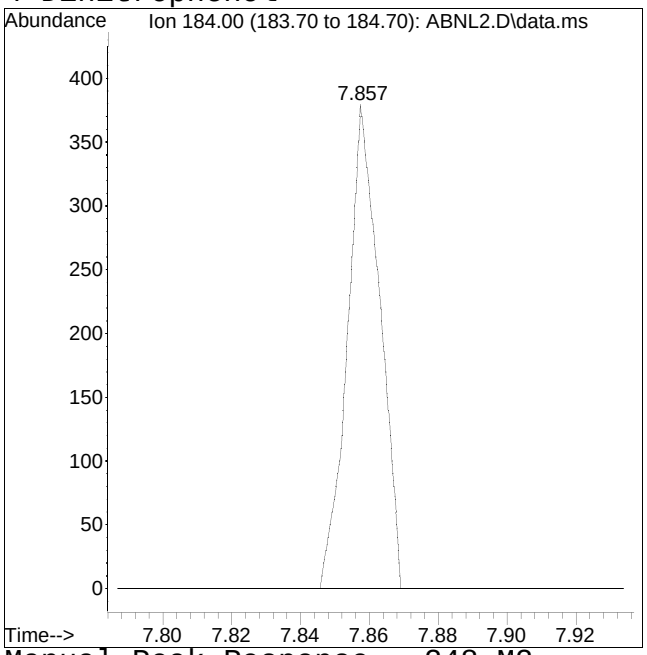
Original Peak Response = 522 Manual Peak Response = 314 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #66: 2,4-Dinitrophenol



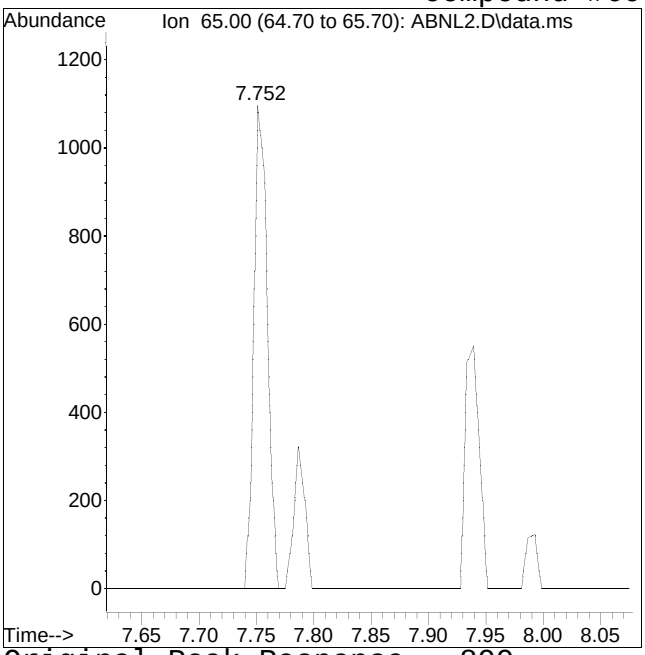


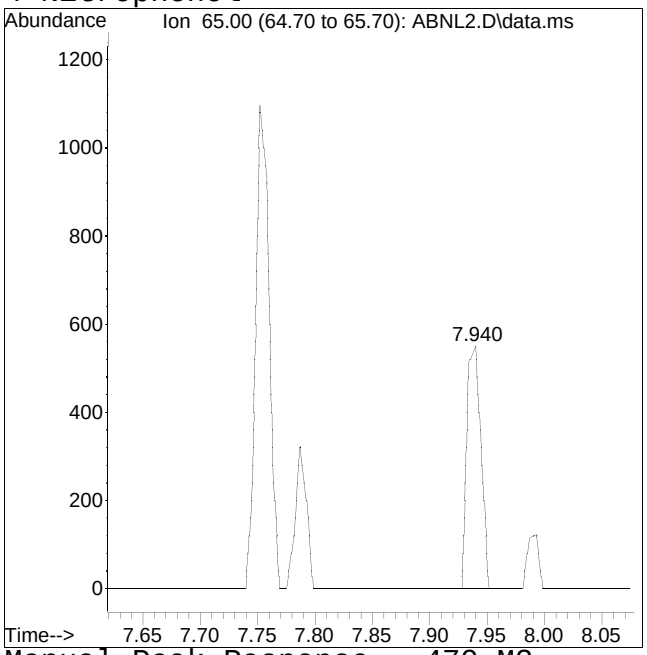
Original Peak Response = 0 Manual Peak Response = 248 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #69: 4-Nitrophenol





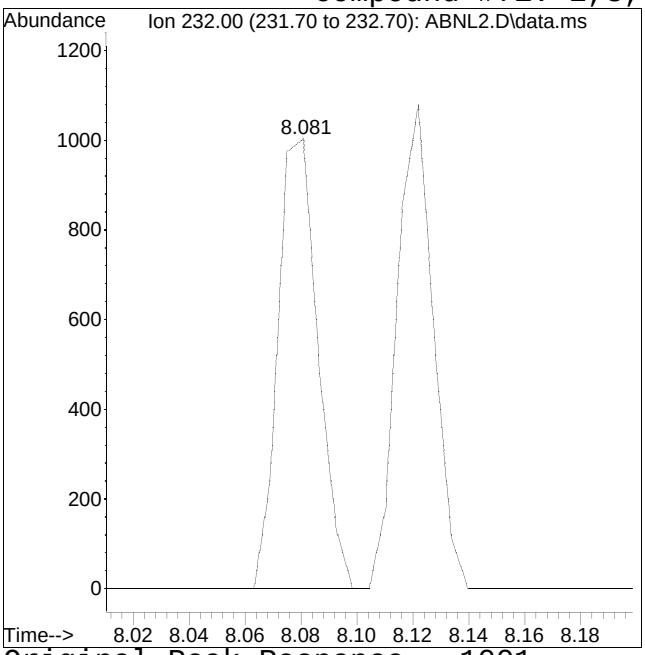
Original Peak Response = 899 Manual Peak Response = 470 M3

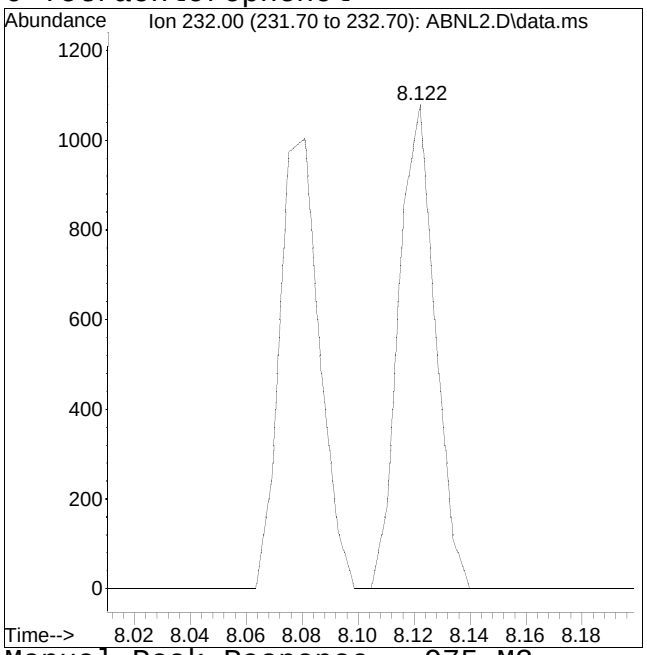
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



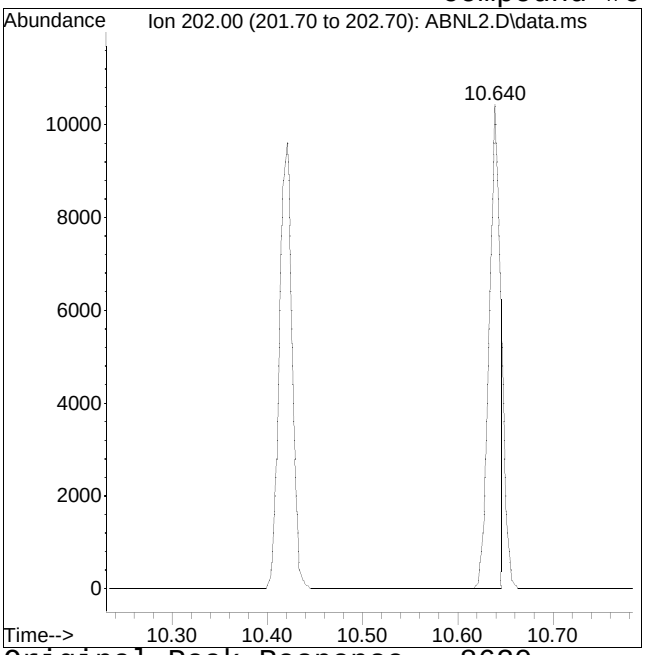


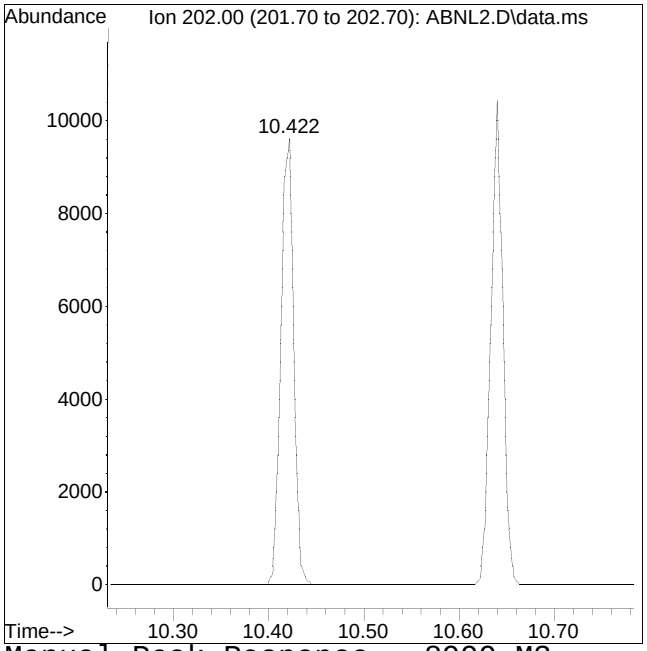
Original Peak Response = 1001 Manual Peak Response = 975 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #93: Fluoranthene



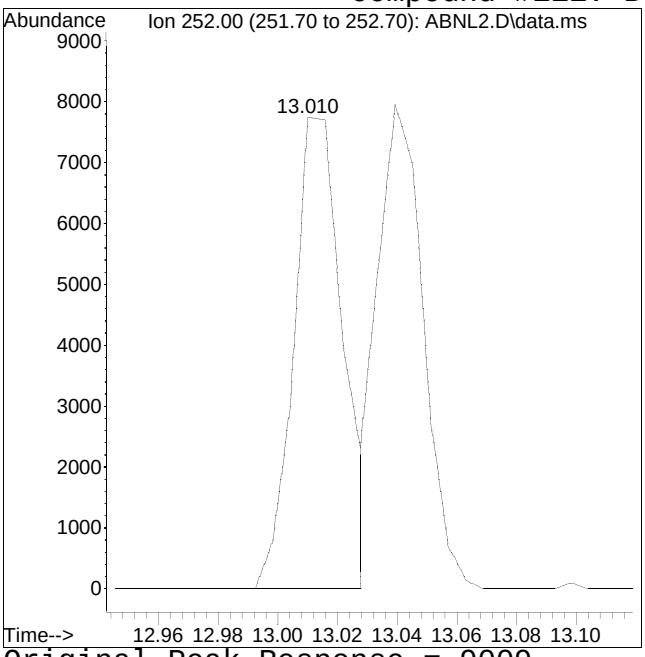


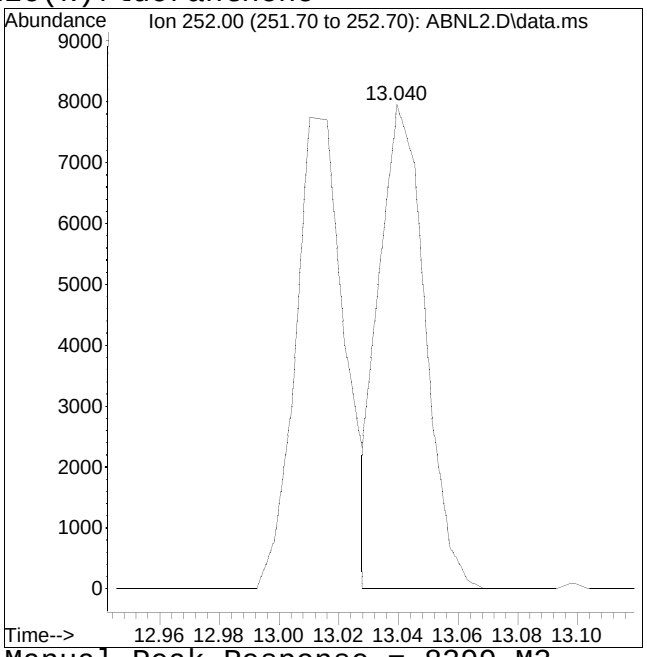
Original Peak Response = 8620 Manual Peak Response = 8999 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #111: Benzo(k)fluoranthene





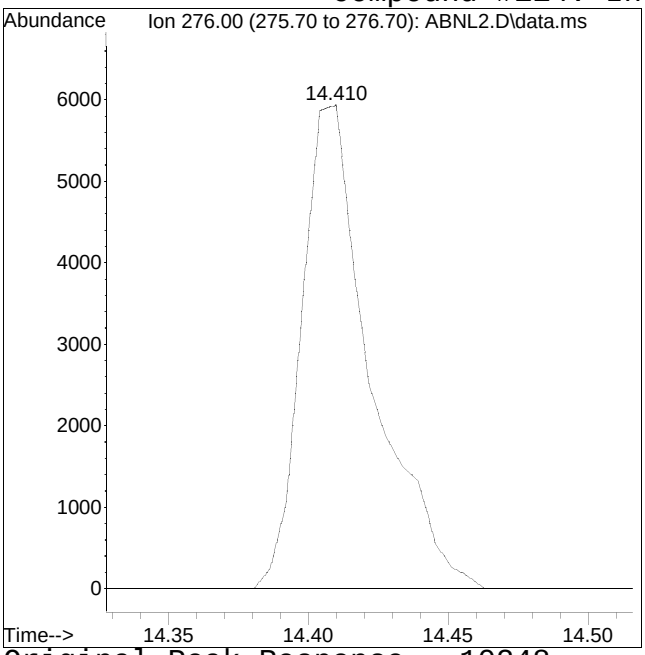
Original Peak Response = 9009 Manual Peak Response = 8399 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

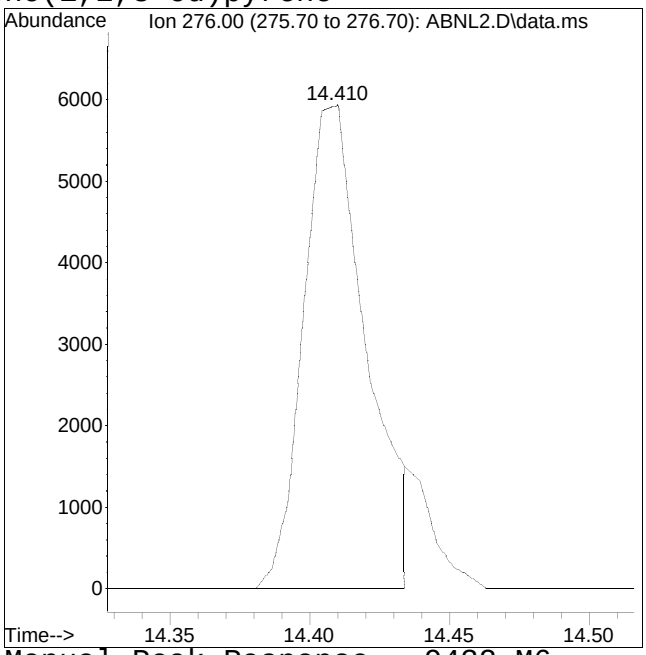
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 12:42 am Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11182Quant Date : 12/16/2024 2:41 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 10248



Manual Peak Response = 9432 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL1.D
Acq On : 16 Dec 2024 01:07 am
Operator : SV112:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11183
Misc : WG2010188
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 16 14:39:50 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	31742	4.000 ug/ml	0.00
Standard Area 1 = 28125			Recovery = 112.86%		
35) IS1_Naphthalene-d8	6.069	136	116597	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 110.73%		
63) IS1_Acenaphthene-d10	7.793	164	68492	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 104.07%		
88) IS1_Phenanthrene-d10	9.234	188	147349	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 106.31%		
104) IS1_Chrysene-d12	11.904	240	156070	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 97.60%		
113) IS1_Perylene-d12	13.392	264	172994	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 97.66%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.552	112	799	0.090 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.50%#		
7) Phenol-d6	4.499	99	1024	0.091 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.55%#		
19) Nitrobenzene-d5	5.375	82	902	0.089 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 8.90%#		
46) 2-Fluorobiphenyl	7.146	172	2601	0.098 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 9.80%#		
79) 2,4,6-Tribromophenol	0.000	330	0	0.000 ug/ml	
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
96) 4-Terphenyl-d14	10.828	244	3777	0.096 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 9.60%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.211	74	325M2	0.055 ug/ml	
3) Pyridine	2.305	79	599M2	0.066 ug/ml	
5) Aniline	4.511	93	763	0.055 ug/ml#	26
6) 2-Chlorophenol	4.622	128	944	0.094 ug/ml#	34
8) Phenol	4.511	94	1139	0.089 ug/ml#	56
9) Bis(2-chloroethyl)ether	4.587	93	892	0.092 ug/ml#	79
10) 1,3-Dichlorobenzene	4.775	146	1027	0.084 ug/ml#	72
11) 1,4-Dichlorobenzene	4.846	146	1113	0.090 ug/ml#	72
12) 1,2-Dichlorobenzene	4.993	146	1155	0.096 ug/ml#	70
13) Benzyl alcohol	4.981	79	656	0.084 ug/ml#	13
14) Bis(2-chloroisopropyl)...	5.122	45	988	0.086 ug/ml#	35

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL1.D
Acq On : 16 Dec 2024 01:07 am
Operator : SV112:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11183
Misc : WG2010188
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 16 14:39:50 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	805	0.094	ug/ml#	85
16) Hexachloroethane	5.322	117	435M2	0.093	ug/ml	
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	5.258	108	737	0.079	ug/ml#	92
20) Nitrobenzene	5.393	77	907	0.087	ug/ml#	38
21) Isophorone	5.634	82	1598	0.086	ug/ml#	67
22) 2-Nitrophenol	5.710	139	426M2	0.087	ug/ml	
23) 2,4-Dimethylphenol	5.775	107	687	0.079	ug/ml#	67
24) Bis(2-chloroethoxy)met...	5.869	93	1083	0.085	ug/ml#	50
25) 2,4-Dichlorophenol	5.946	162	734	0.077	ug/ml#	68
26) 1,2,4-Trichlorobenzene	6.028	180	1037	0.088	ug/ml#	75
36) Naphthalene	6.093	128	2977	0.097	ug/ml#	56
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.157	65	257M2	0.072	ug/ml	
39) Hexachlorobutadiene	6.240	225	628	0.083	ug/ml#	19
40) p-Chloro-m-cresol	6.652	107	700	0.084	ug/ml#	87
41) 2-Methylnaphthalene	6.775	142	2217	0.105	ug/ml	94
42) 1-Methylnaphthalene	6.869	115	694	0.097	ug/ml	97
43) Hexachlorocyclopentadiene	6.946	237	719	0.091	ug/ml#	27
44) 2,4,6-Trichlorophenol	7.063	196	637	0.082	ug/ml#	83
45) 2,4,5-Trichlorophenol	7.093	196	664	0.080	ug/ml#	86
47) 2-Chloronaphthalene	7.246	162	2285	0.101	ug/ml	89
48) 2-Nitroaniline	7.357	138	468M2	0.080	ug/ml	
49) 1,4-Dinitrobenzene	7.487	168	218M2	0.067	ug/ml	
50) 1,3-Dinitrobenzene	7.563	168	145M2	0.040	ug/ml	
51) Dimethyl phthalate	7.551	163	2621	0.098	ug/ml#	77
52) Acenaphthylene	7.646	152	2655	0.084	ug/ml#	80
53) 2,6-Dinitrotoluene	7.599	165	403M3	0.079	ug/ml	
54) 1,2-Dinitrobenzene	7.640	168	116M2	0.051	ug/ml	
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	7.822	154	1807	0.094	ug/ml	90
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.993	168	3286	0.101	ug/ml	90
68) 2,4-Dinitrotoluene	7.987	165	506	0.075	ug/ml#	58
69) 4-Nitrophenol	7.940	65	211M2	0.050	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	8.081	232	506	0.072	ug/ml#	17
71) 2,3,4,6-Tetrachlorophenol	8.122	232	528	0.077	ug/ml#	17
72) Diethyl phthalate	8.251	149	2192	0.087	ug/ml#	62
73) Fluorene	8.328	166	2452	0.099	ug/ml#	91
74) 4-Chlorophenyl phenyl ...	8.340	204	1300	0.096	ug/ml#	56

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL1.D
Acq On : 16 Dec 2024 01:07 am
Operator : SV112:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11183
Misc : WG2010188
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 16 14:39:50 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.346	138	358M2	0.067	ug/ml	
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	8.457	169	1719	0.083	ug/ml	93
78)	Azobenzene	8.493	77	1999	0.089	ug/ml#	55
80)	4-Bromophenyl phenyl e...	8.816	248	735	0.085	ug/ml#	50
81)	Hexachlorobenzene	8.869	284	1128	0.107	ug/ml#	35
82)	Pentachlorophenol	9.063	266	384M2	0.067	ug/ml	
89)	Phenanthrene	9.257	178	4493	0.109	ug/ml	98
90)	Anthracene	9.304	178	3987	0.100	ug/ml	97
91)	Carbazole	9.475	167	3292	0.091	ug/ml#	84
92)	Di-n-butylphthalate	9.857	149	3313	0.085	ug/ml#	78
93)	Fluoranthene	10.422	202	4906M3	0.103	ug/ml	
94)	Benzidine	0.000		0	N.D.		
95)	Pyrene	10.640	202	4948	0.099	ug/ml	99
97)	Butyl benzyl phthalate	11.363	149	1051	0.061	ug/ml#	83
105)	Benzo(a)anthracene	11.898	228	4994	0.102	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.892	252	1384	0.081	ug/ml#	92
107)	Chrysene	11.934	228	5540	0.111	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	12.004	149	1737	0.072	ug/ml#	56
109)	Di-n-octylphthalate	12.692	149	2959	0.079	ug/ml#	75
110)	Benzo(b)fluoranthene	13.016	252	4636	0.091	ug/ml#	85
111)	Benzo(k)fluoranthene	13.039	252	4326M3	0.093	ug/ml	
112)	Benzo(a)pyrene	13.334	252	3711	0.085	ug/ml#	82
114)	Indeno(1,2,3-cd)pyrene	14.404	276	3903M6	0.078	ug/mL	
115)	Dibenzo(a,h)anthracene	14.433	278	4036	0.086	ug/ml#	91
116)	Benzo(ghi)perylene	14.686	276	4465	0.095	ug/ml#	93

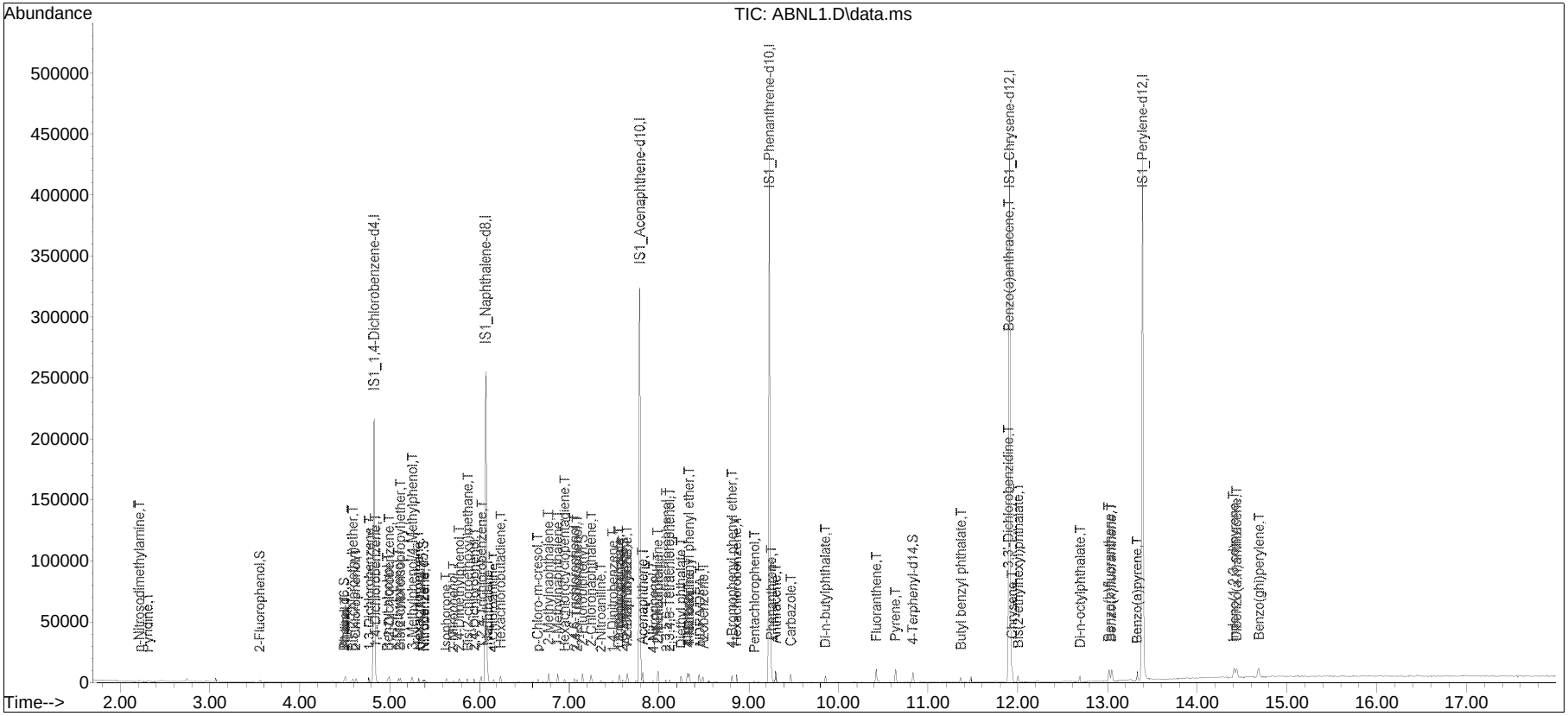
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNL1.D
Acq On : 16 Dec 2024 01:07 am
Operator : SV112:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11183
Misc : WG2010188
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 16 14:39:50 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:40:53 2024
Response via : Initial Calibration

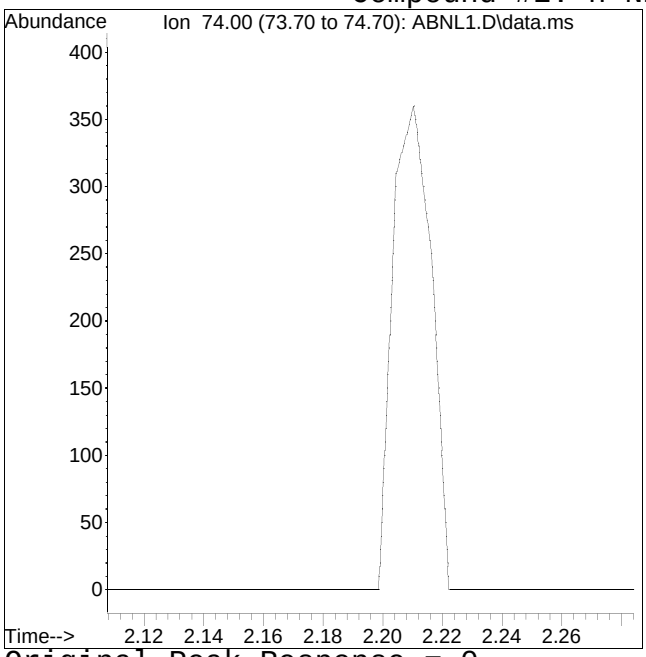
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



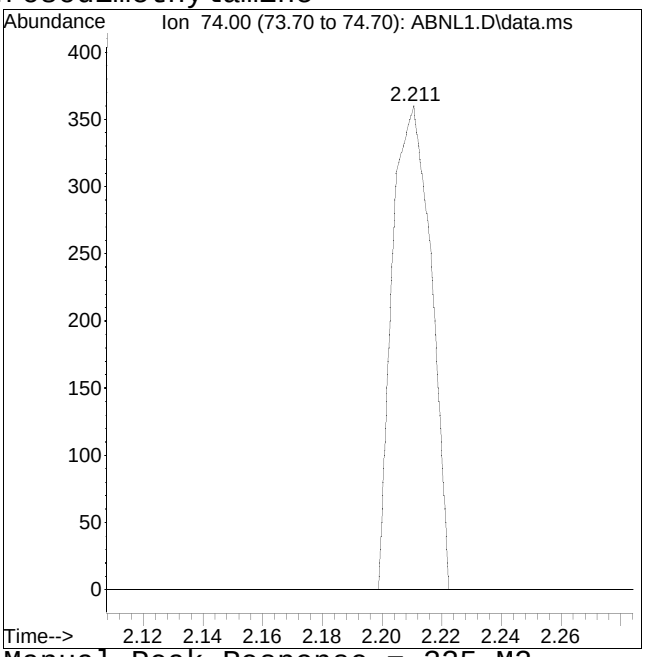
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



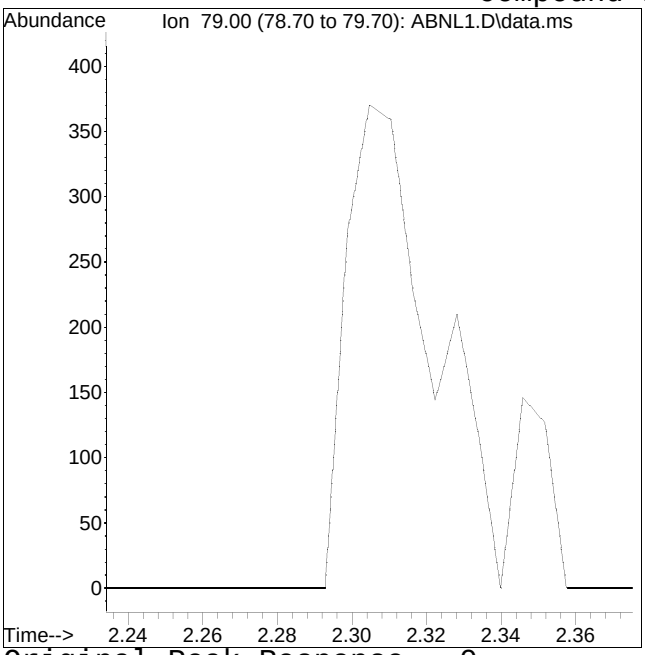
Manual Peak Response = 325 M2

M2 = Peak not found by automatic integration algorithm.

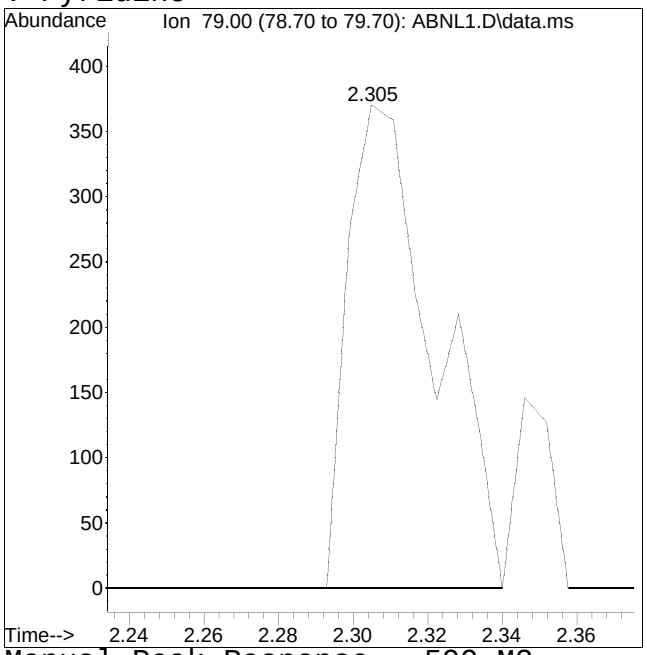
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #3: Pyridine



Original Peak Response = 0



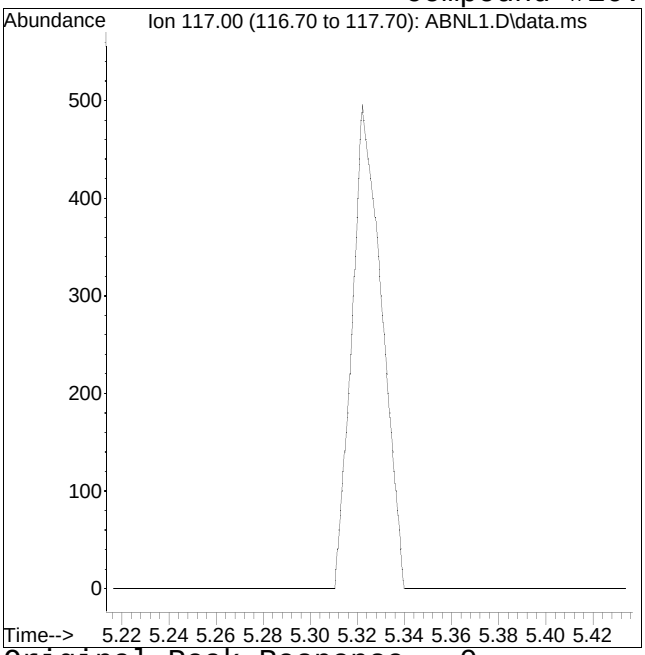
Manual Peak Response = 599 M2

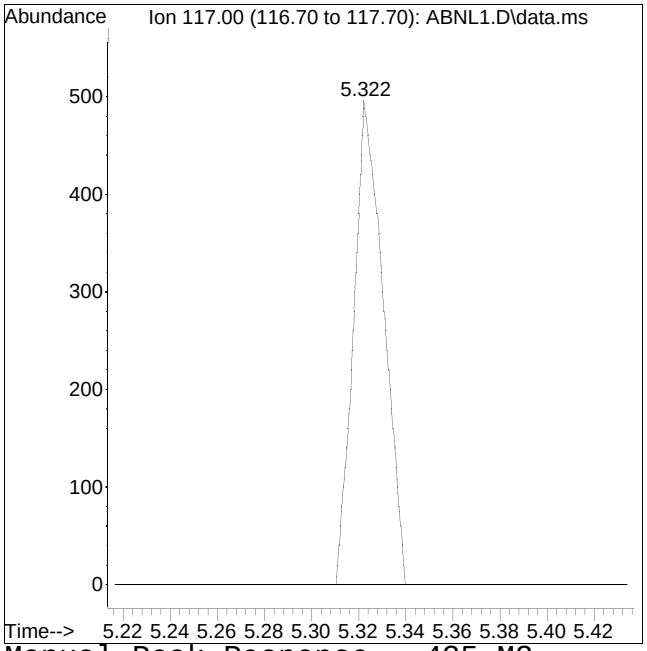
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #16: Hexachloroethane



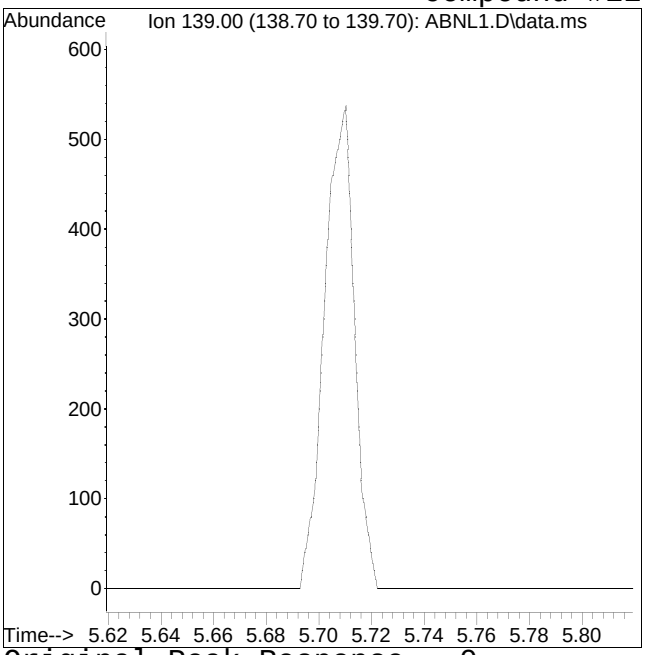


Original Peak Response = 0 Manual Peak Response = 435 M2
M2 = Peak not found by automatic integration algorithm.

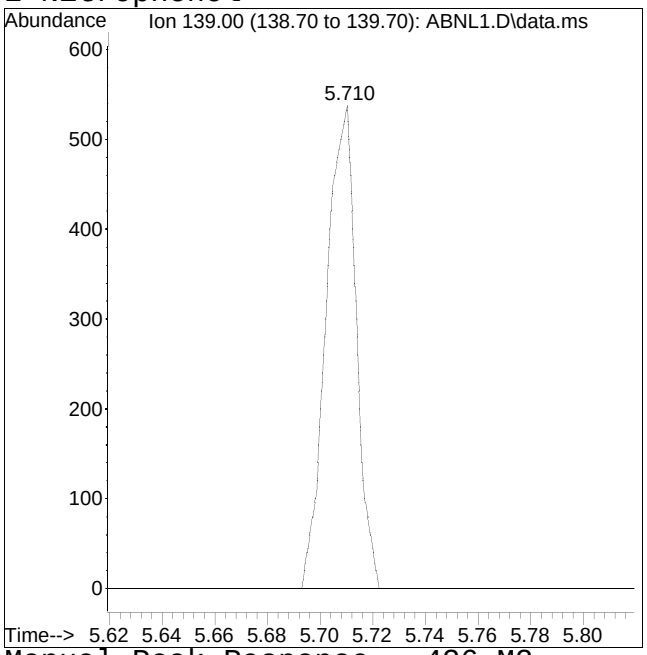
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0

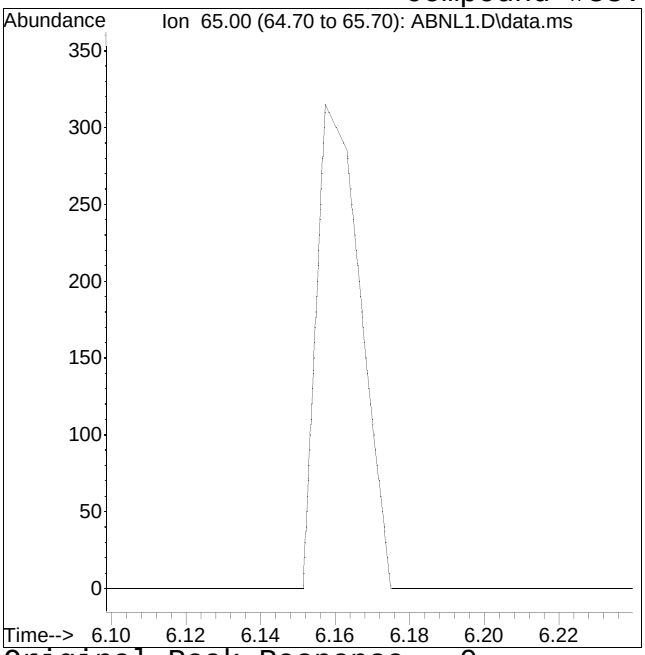


Manual Peak Response = 426 M2

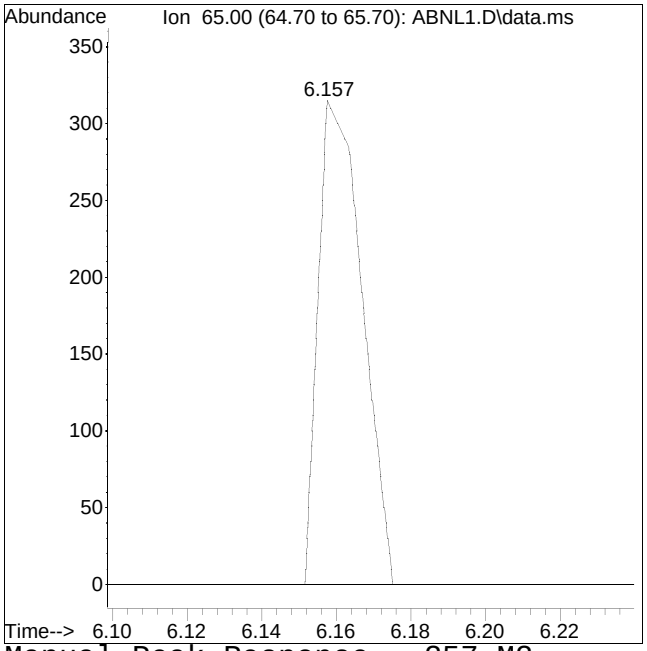
M2 = Peak not found by automatic integration algorithm.

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



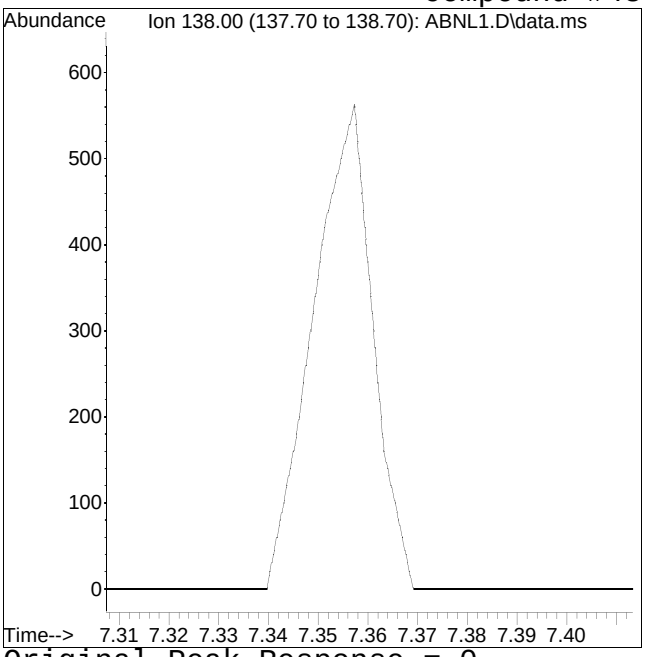
Manual Peak Response = 257 M2

M2 = Peak not found by automatic integration algorithm.

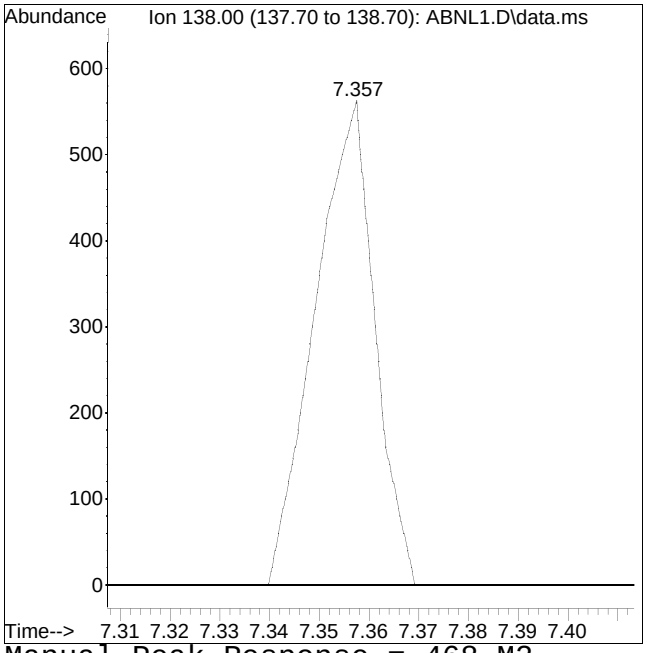
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0



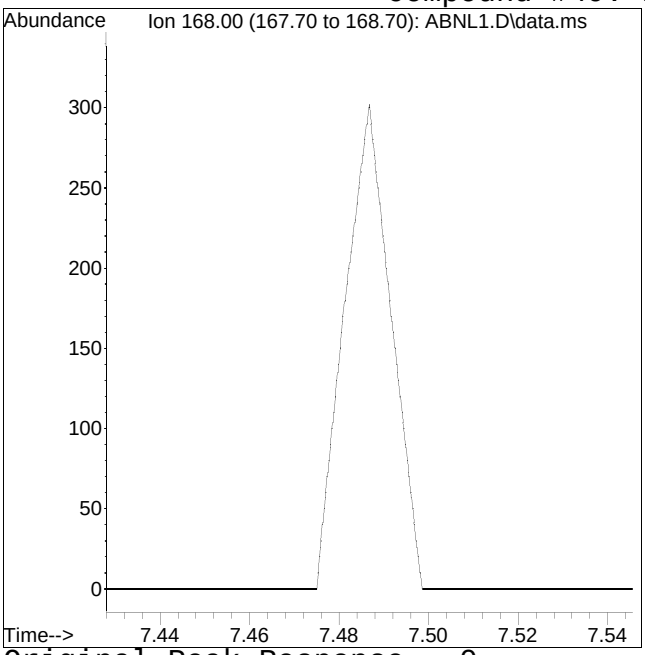
Manual Peak Response = 468 M2

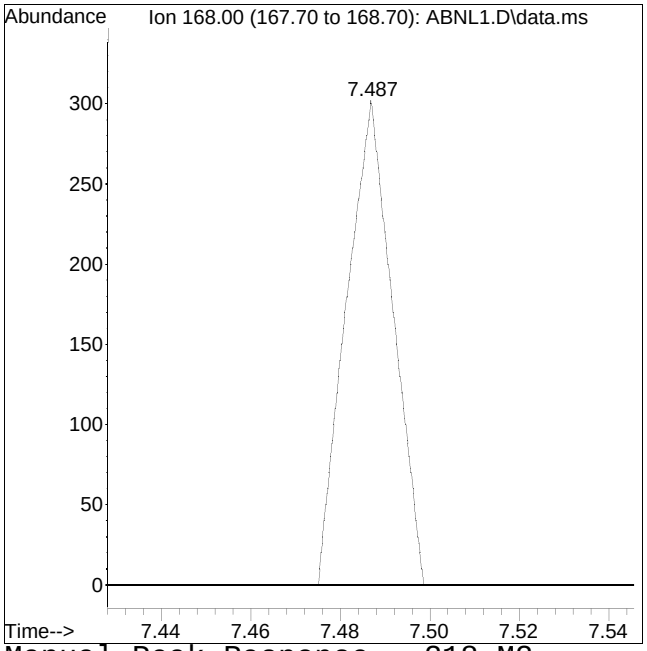
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #49: 1,4-Dinitrobenzene



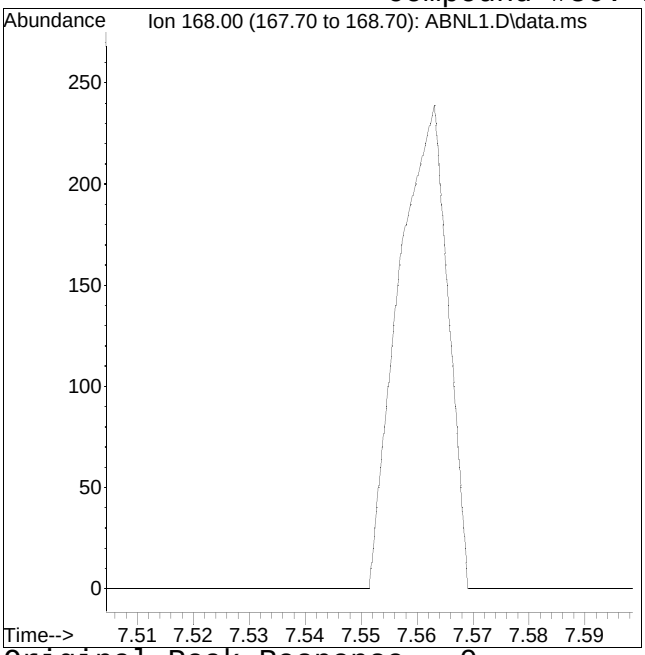


Original Peak Response = 0 Manual Peak Response = 218 M2
M2 = Peak not found by automatic integration algorithm.

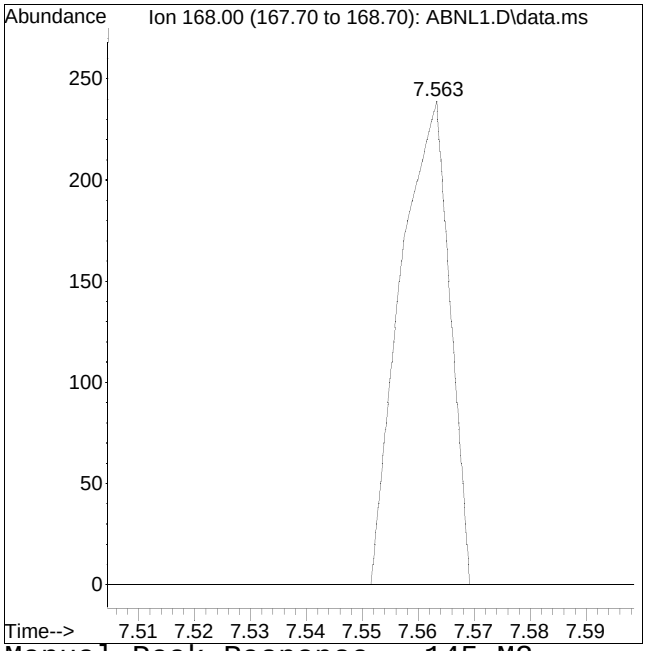
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



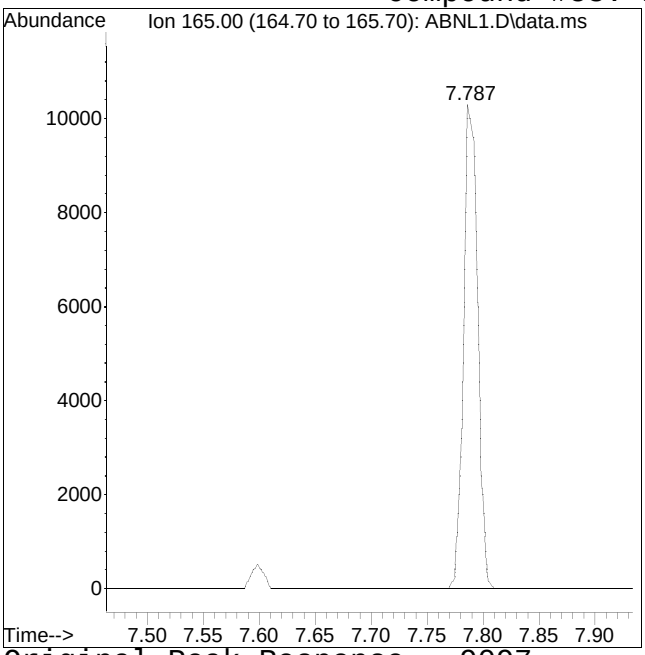
Manual Peak Response = 145 M2

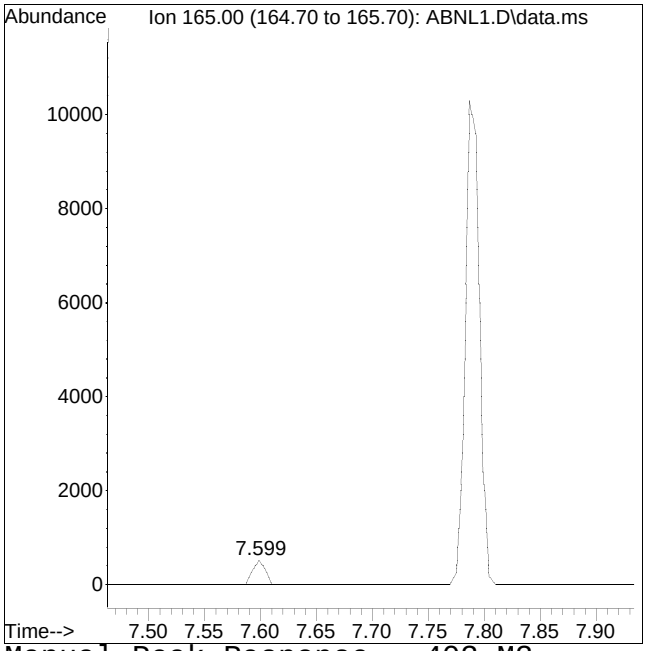
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #53: 2,6-Dinitrotoluene





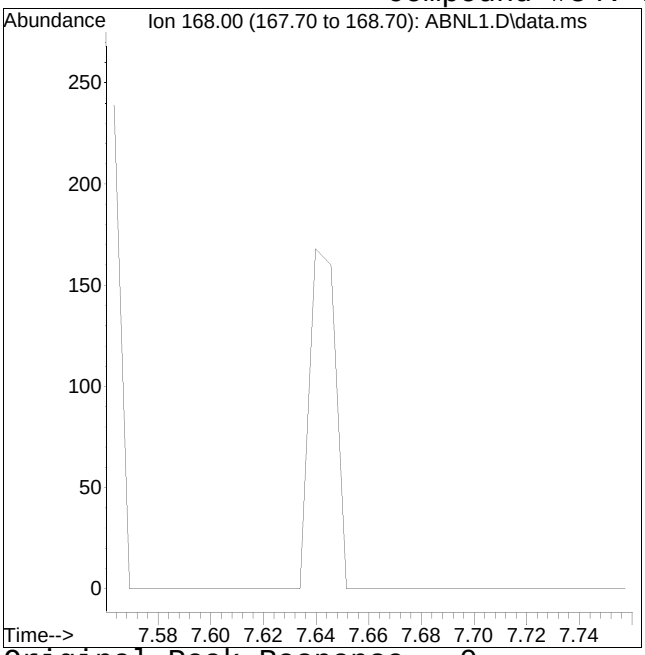
Original Peak Response = 9097 Manual Peak Response = 403 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

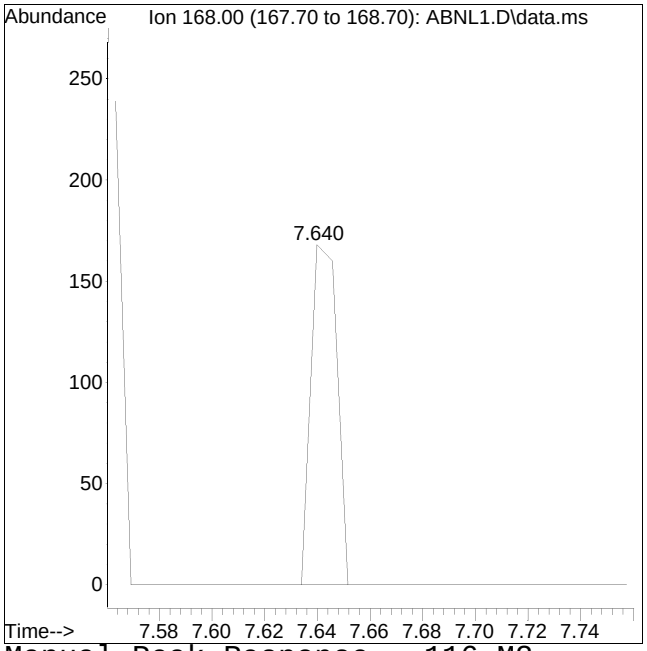
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



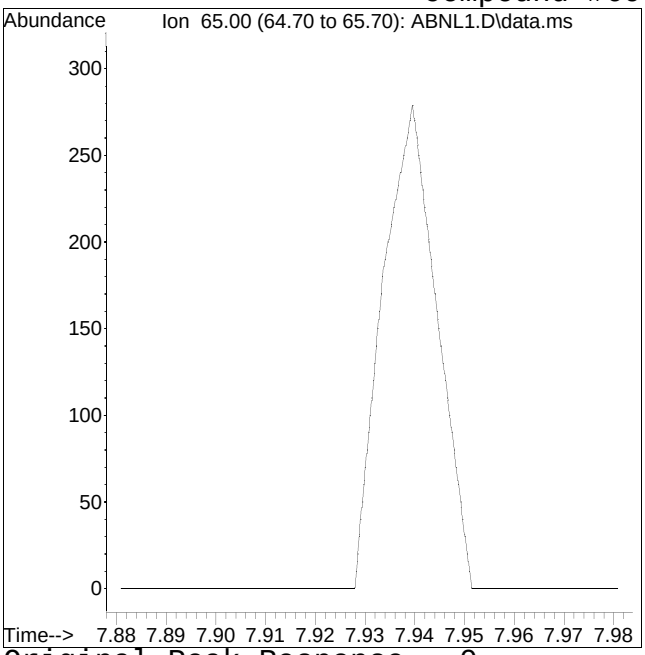
Manual Peak Response = 116 M2

M2 = Peak not found by automatic integration algorithm.

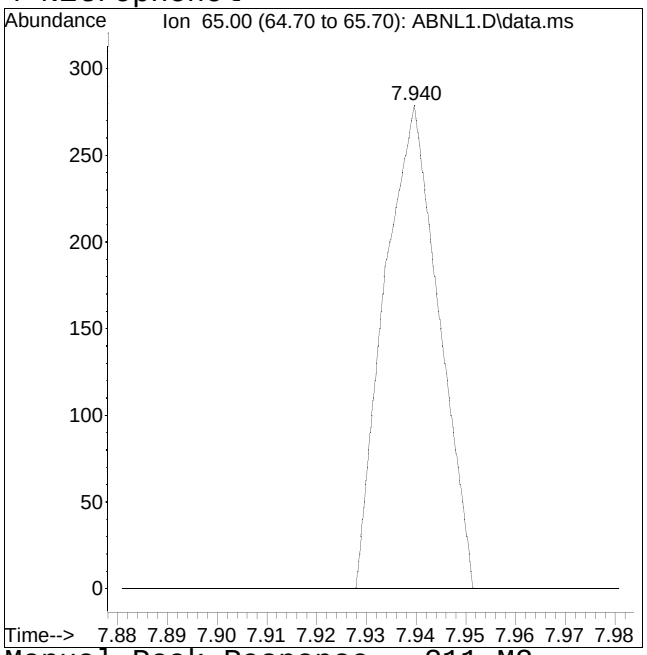
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0



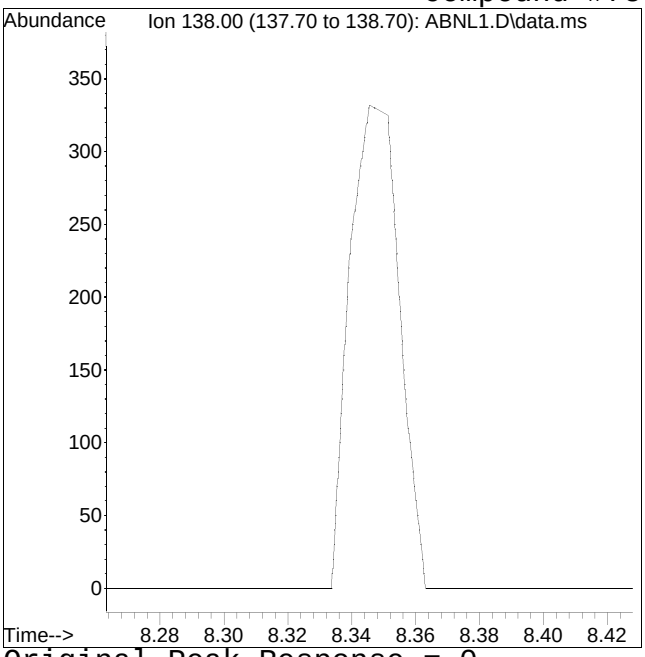
Manual Peak Response = 211 M2

M2 = Peak not found by automatic integration algorithm.

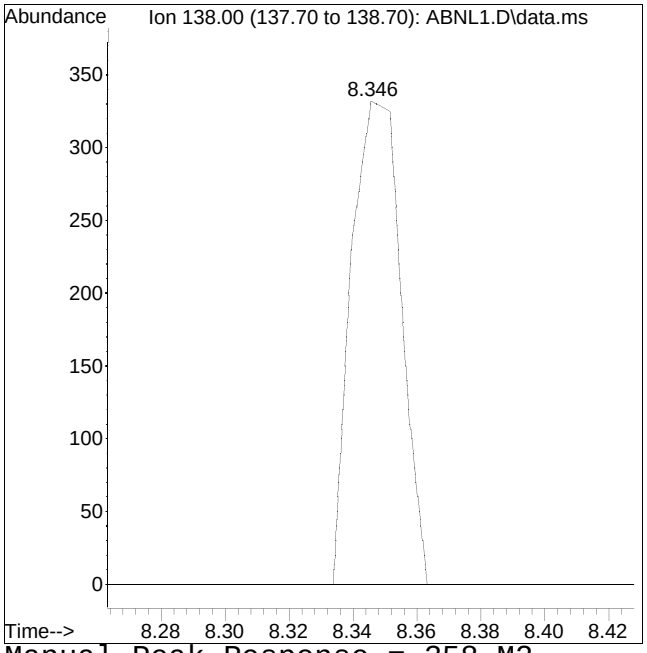
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



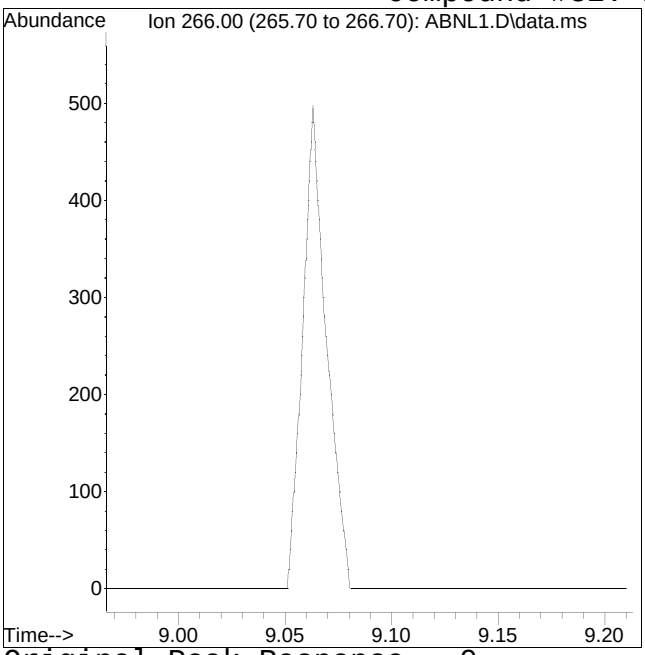
Manual Peak Response = 358 M2

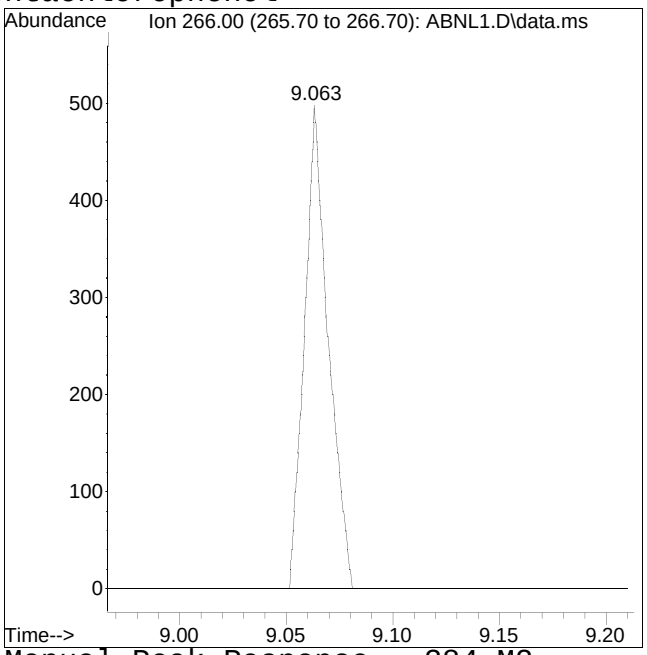
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #82: Pentachlorophenol



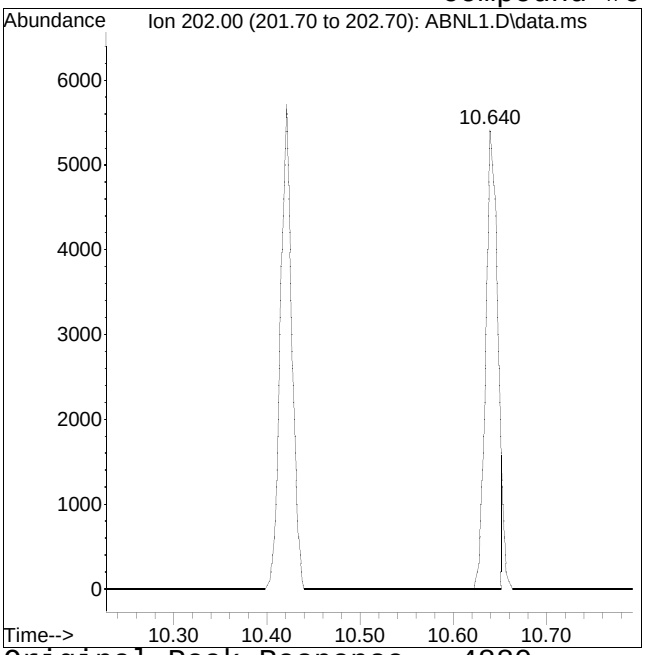


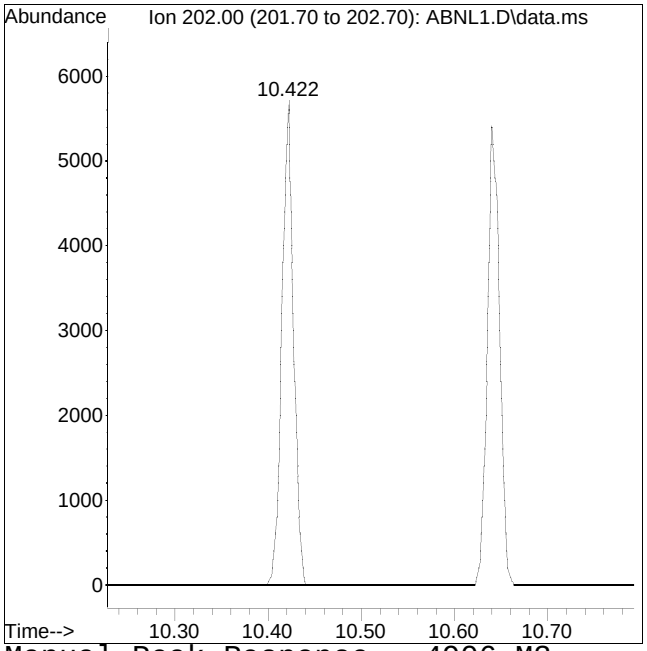
Original Peak Response = 0 Manual Peak Response = 384 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #93: Fluoranthene



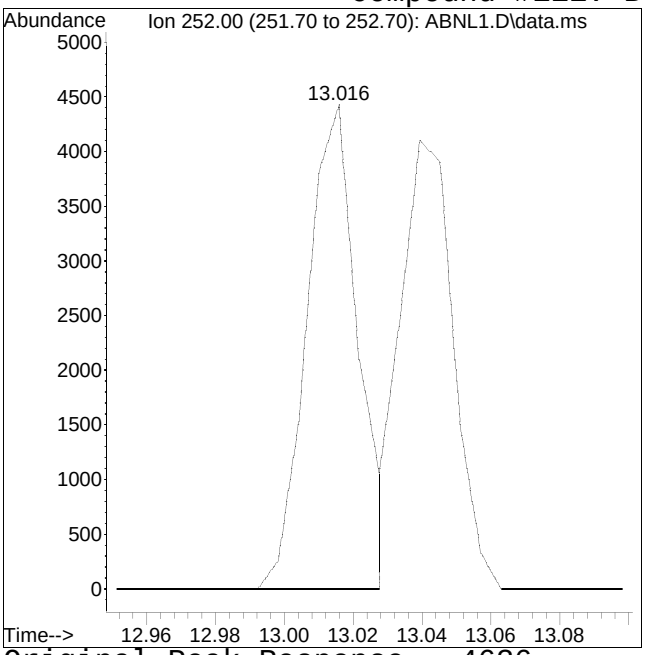


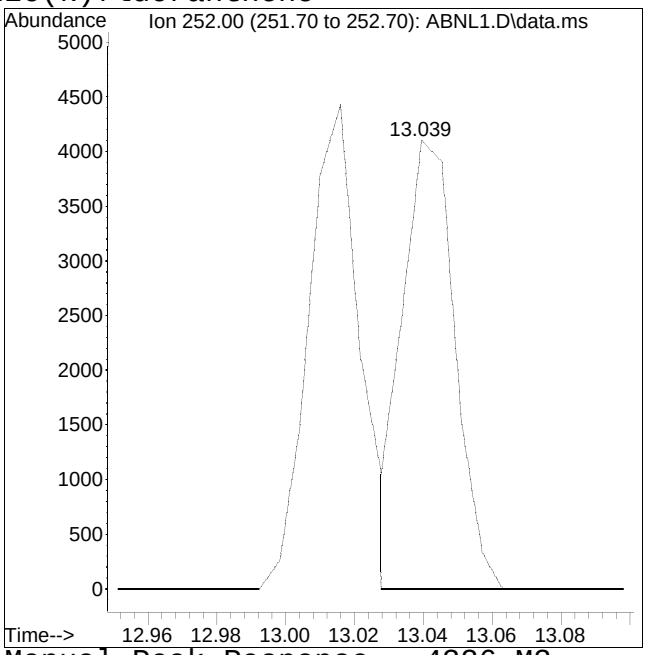
Original Peak Response = 4880 Manual Peak Response = 4906 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #111: Benzo(k)fluoranthene





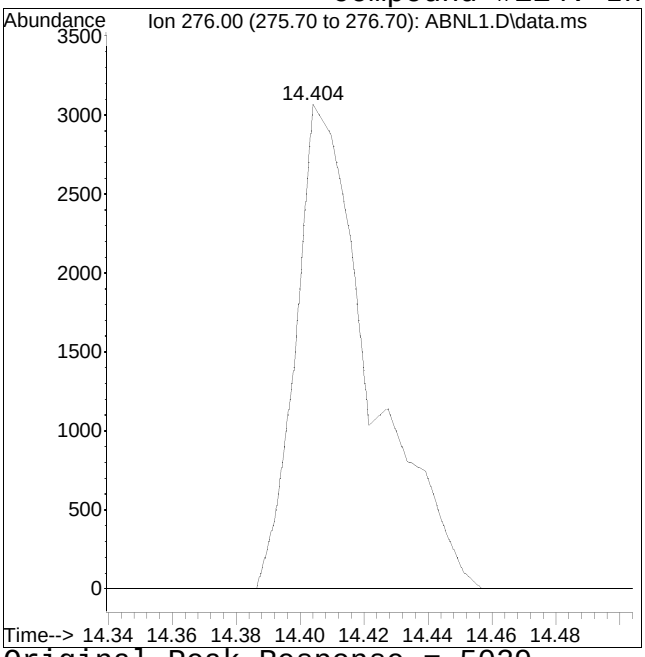
Original Peak Response = 4636 Manual Peak Response = 4326 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

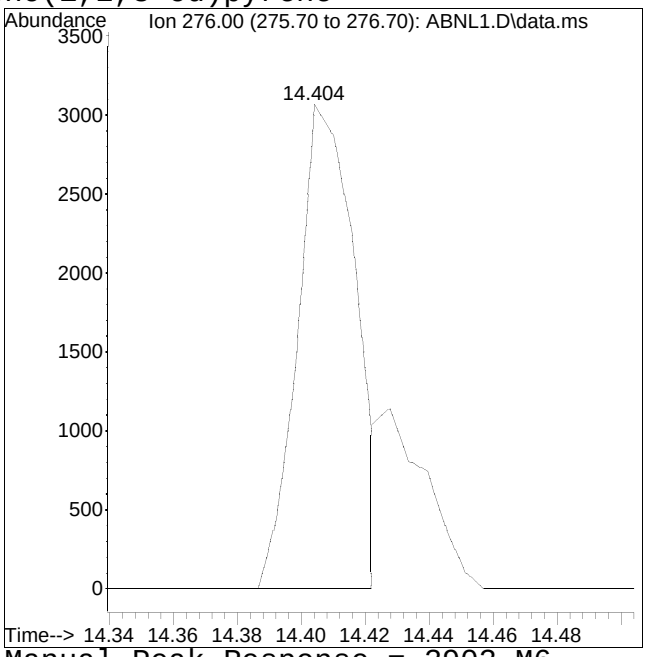
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 1:07 am Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1118Quant Date : 12/16/2024 2:41 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 5029



Manual Peak Response = 3903 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L9.D
Acq On : 16 Dec 2024 01:32 am
Operator : SV112:HNY
Sample : IL2,32,,AP9L50 Lot# 11184
Misc : WG2010188
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 16 15:06:44 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	4.828	152	27062	4.000 ug/ml	0.00
Standard Area 1 = 28337			Recovery =	95.50%	
55) IS2_Naphthalene-d8	6.075	136	101526	4.000 ug/ml	0.00
Standard Area 1 = 104265			Recovery =	97.37%	
83) IS2_Acenaphthene-d10	7.793	164	63721	4.000 ug/ml	0.00
Standard Area 1 = 62951			Recovery =	101.22%	
98) IS2_Phenanthrene-d10	9.234	188	136927	4.000 ug/ml #	0.00
Standard Area 1 = 137988			Recovery =	99.23%	
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	4.393	105	265790	47.214 ug/ml	99
29) Acetophenone	5.228	105	587891	47.938 ug/ml	97
30) m-Toluidine	5.310	106	494899	53.922 ug/ml	97
31) 2-Chloroaniline	5.675	127	526006	49.527 ug/ml	98
56) a-Terpineol	6.134	59	343064	53.339 ug/ml	89
57) 3-Chloroaniline	6.146	65	171040	51.902 ug/ml	98
58) 2,6-Dichlorophenol	6.175	162	409561	51.690 ug/ml#	89
59) 1-chloro-2-nitrobenzene	6.428	111	187997	52.623 ug/ml	94
60) Caprolactam	6.487	55	186046	51.200 ug/ml	88
61) 1,2,4,5-Tetrachloroben...	6.951	216	535763	45.070 ug/ml	98
62) Biphenyl	7.246	154	1028472	41.837 ug/ml#	88
84) Dichloran	8.934	206	176893	65.691 ug/ml#	66
85) Pentachloronitrobenzene	9.081	237	182537	60.442 ug/ml#	82
99) Diphenamid	10.145	167	865875	55.636 ug/ml	84

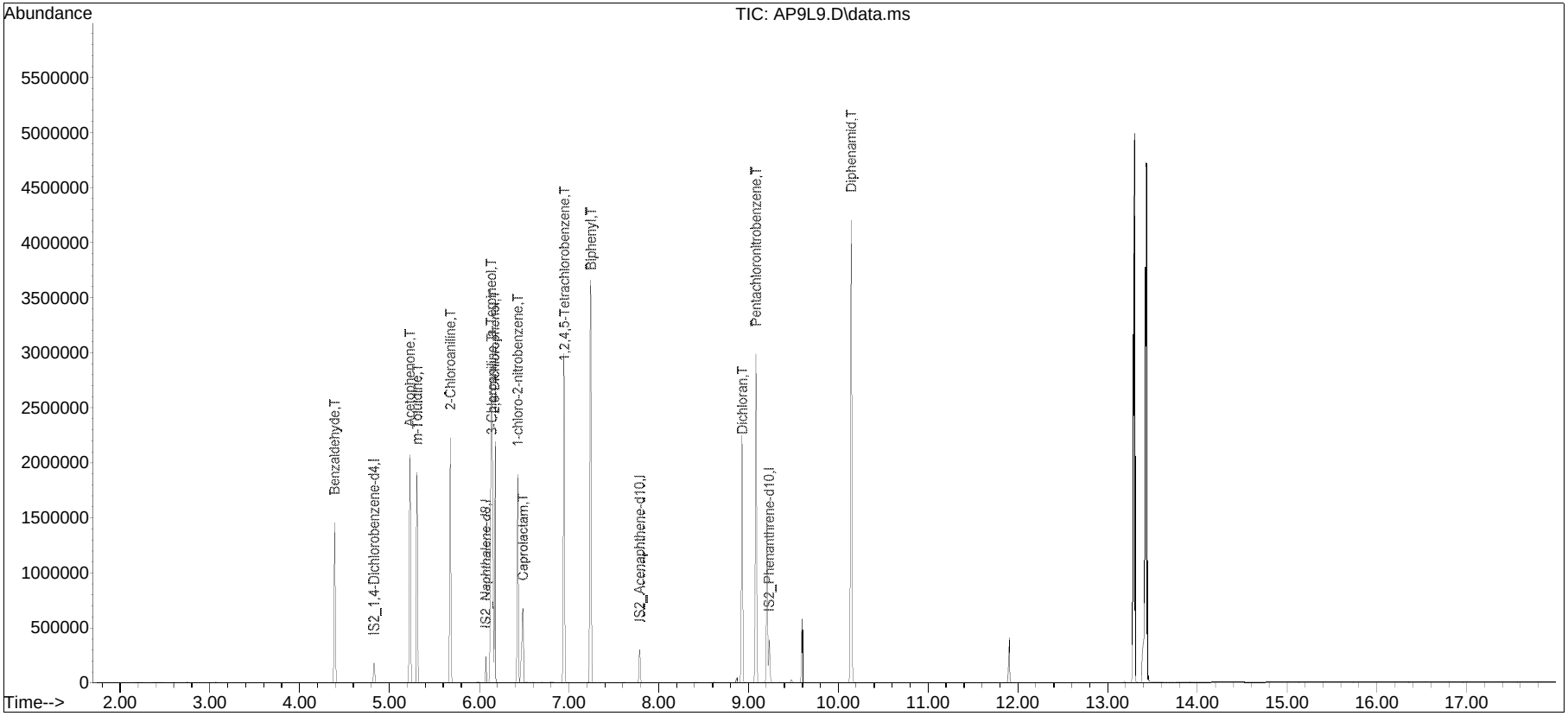
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L9.D
Acq On : 16 Dec 2024 01:32 am
Operator : SV112:HNY
Sample : IL2,32,,AP9L50 Lot# 11184
Misc : WG2010188
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 16 15:06:44 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: AP9L9.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 1:32 am	Instrument	: SV112
Sample	: IL2,32,,AP9L50 Lot# 11184	Quant Date	: 12/16/2024 3:08 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L8.D
Acq On : 16 Dec 2024 01:55 am
Operator : SV112:HNY
Sample : IL3,32,,AP9L25 Lot# 11185
Misc : WG2010188
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 16 15:06:32 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	27702	4.000	ug/ml	0.00
Standard Area 1 = 28337			Recovery = 97.76%			
55) IS2_Naphthalene-d8	6.069	136	102324	4.000	ug/ml	0.00
Standard Area 1 = 104265			Recovery = 98.14%			
83) IS2_Acenaphthene-d10	7.787	164	63936	4.000	ug/ml	0.00
Standard Area 1 = 62951			Recovery = 101.56%			
98) IS2_Phenanthrene-d10	9.234	188	137495	4.000	ug/ml #	0.00
Standard Area 1 = 137988			Recovery = 99.64%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	138255	23.992	ug/ml	99
29) Acetophenone	5.228	105	308067	24.540	ug/ml	97
30) m-Toluidine	5.310	106	254976	27.139	ug/ml	97
31) 2-Chloroaniline	5.675	127	274819	25.278	ug/ml	99
56) a-Terpineol	6.128	59	173249	26.726	ug/ml	90
57) 3-Chloroaniline	6.140	65	89968	27.088	ug/ml	98
58) 2,6-Dichlorophenol	6.169	162	209749	26.266	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.422	111	95663	26.568	ug/ml	93
60) Caprolactam	6.469	55	92327	25.359	ug/ml	88
61) 1,2,4,5-Tetrachloroben...	6.946	216	284317	23.731	ug/ml	97
62) Biphenyl	7.240	154	578211	23.337	ug/ml	94
84) Dichloran	8.928	206	85385	31.602	ug/ml#	66
85) Pentachloronitrobenzene	9.081	237	91029	30.040	ug/ml#	81
99) Diphenamid	10.145	167	455096	29.121	ug/ml	86

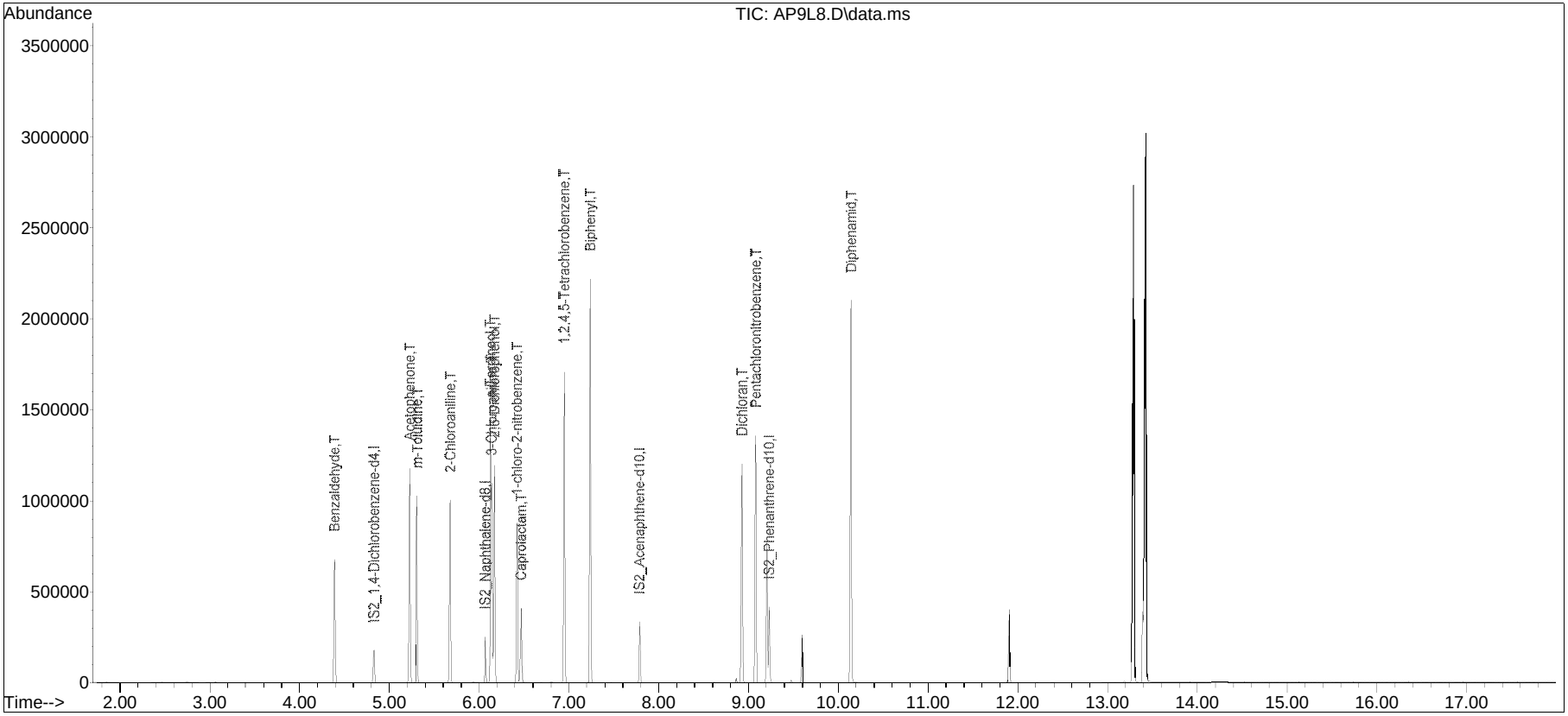
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L8.D
Acq On : 16 Dec 2024 01:55 am
Operator : SV112:HNY
Sample : IL3,32,,AP9L25 Lot# 11185
Misc : WG2010188
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 16 15:06:32 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTicaQ	Method	: FS241215SV112RVT.m
Data File	: AP9L8.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 1:55 am	Instrument	: SV112
Sample	: IL3,32,,AP9L25 Lot# 11185	Quant Date	: 12/16/2024 3:08 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L7.D
Acq On : 16 Dec 2024 02:20 am
Operator : SV112:HNY
Sample : IL4,32,,AP9L10 Lot# 11186
Misc : WG2010188
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 16 15:06:21 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	26947	4.000	ug/ml	0.00
Standard Area 1 = 28337			Recovery = 95.09%			
55) IS2_Naphthalene-d8	6.075	136	99524	4.000	ug/ml	0.00
Standard Area 1 = 104265			Recovery = 95.45%			
83) IS2_Acenaphthene-d10	7.793	164	60948	4.000	ug/ml	0.00
Standard Area 1 = 62951			Recovery = 96.82%			
98) IS2_Phenanthrene-d10	9.234	188	134299	4.000	ug/ml #	0.00
Standard Area 1 = 137988			Recovery = 97.33%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	53169	9.485	ug/ml	100
29) Acetophenone	5.228	105	119425	9.780	ug/ml	96
30) m-Toluidine	5.311	106	97649	10.685	ug/ml	95
31) 2-Chloroaniline	5.675	127	106948	10.113	ug/ml	98
56) a-Terpineol	6.128	59	63182	10.021	ug/ml	88
57) 3-Chloroaniline	6.140	65	34449	10.664	ug/ml	99
58) 2,6-Dichlorophenol	6.169	162	80406	10.352	ug/ml#	89
59) 1-chloro-2-nitrobenzene	6.422	111	35613	10.169	ug/ml	95
60) Caprolactam	6.463	55	32185	9.277	ug/ml	87
61) 1,2,4,5-Tetrachloroben...	6.946	216	110346	9.469	ug/ml#	96
62) Biphenyl	7.240	154	231874	9.622	ug/ml	97
84) Dichloran	8.928	206	28173	10.938	ug/ml#	67
85) Pentachloronitrobenzene	9.081	237	32438	11.230	ug/ml#	83
99) Diphenamid	10.146	167	165264	10.827	ug/ml	86

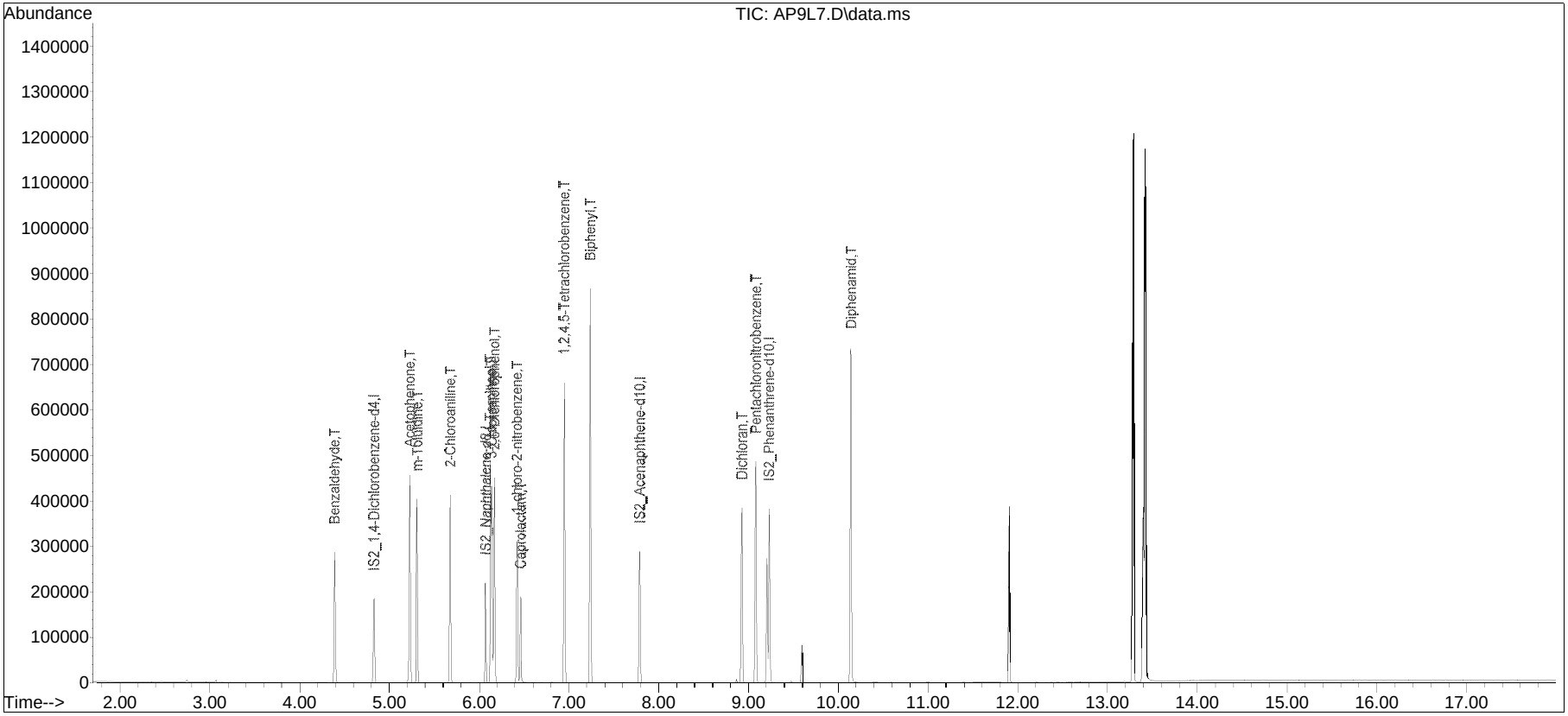
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L7.D
Acq On : 16 Dec 2024 02:20 am
Operator : SV112:HNY
Sample : IL4,32,,AP9L10 Lot# 11186
Misc : WG2010188
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 16 15:06:21 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTicaQ	Method	: FS241215SV112RVT.m
Data File	: AP9L7.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 2:20 am	Instrument	: SV112
Sample	: IL4,32,,AP9L10 Lot# 11186	Quant Date	: 12/16/2024 3:08 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L6.D
Acq On : 16 Dec 2024 02:43 am
Operator : SV112:HNY
Sample : IL5,32,,AP9L5 Lot# 11187
Misc : WG2010188
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 17 10:48:03 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	28337	4.000	ug/ml	0.00
Standard Area 1 = 28337			Recovery =	100.00%		
55) IS2_Naphthalene-d8	6.069	136	104265	4.000	ug/ml	0.00
Standard Area 1 = 104265			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	7.787	164	62951	4.000	ug/ml	0.00
Standard Area 1 = 62951			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	9.234	188	137988	4.000	ug/ml #	0.00
Standard Area 1 = 137988			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.399	105	27450	4.657	ug/ml	99
29) Acetophenone	5.228	105	58162	4.529	ug/ml	97
30) m-Toluidine	5.310	106	47634	4.957	ug/ml	97
31) 2-Chloroaniline	5.675	127	53036	4.769	ug/ml	98
56) a-Terpineol	6.122	59	30002	4.542	ug/ml	88
57) 3-Chloroaniline	6.140	65	16855	4.980	ug/ml	96
58) 2,6-Dichlorophenol	6.169	162	39272	4.826	ug/ml#	89
59) 1-chloro-2-nitrobenzene	6.422	111	17540	4.781	ug/ml	93
60) Caprolactam	6.457	55	15135	4.326	ug/ml	90
61) 1,2,4,5-Tetrachloroben...	6.946	216	55792	4.570	ug/ml	97
62) Biphenyl	7.240	154	117292	4.646	ug/ml	98
84) Dichloran	8.922	206	12741	4.789	ug/ml#	68
85) Pentachloronitrobenzene	9.075	237	14818	4.967	ug/ml#	82
99) Diphenamid	10.140	167	75165	4.793	ug/ml	87

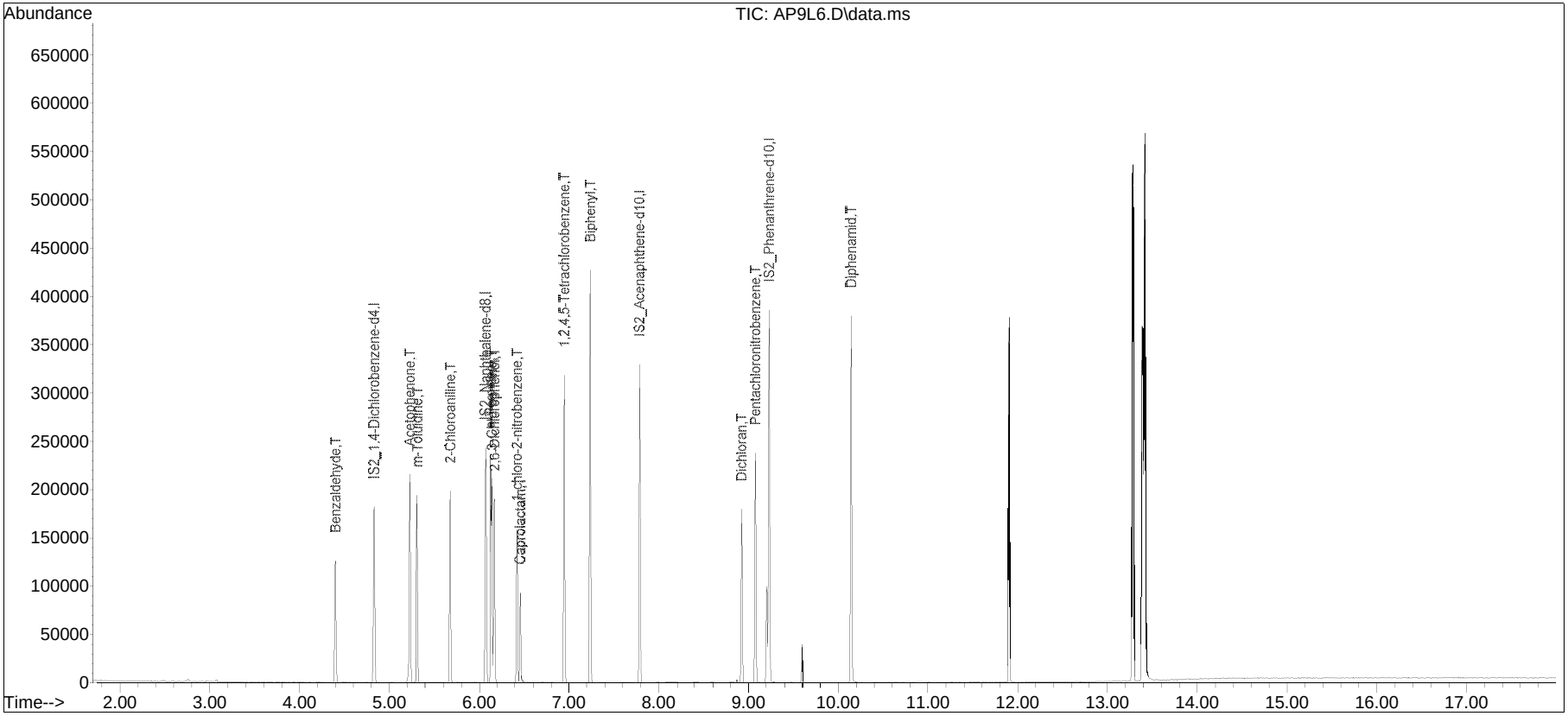
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L6.D
Acq On : 16 Dec 2024 02:43 am
Operator : SV112:HNY
Sample : IL5,32,,AP9L5 Lot# 11187
Misc : WG2010188
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 17 10:48:03 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: AP9L6.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 2:43 am	Instrument	: SV112
Sample	: IL5,32,,AP9L5 Lot# 11187	Quant Date	: 12/16/2024 3:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L5.D
Acq On : 16 Dec 2024 03:08 am
Operator : SV112:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11188
Misc : WG2010188
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 16 15:06:03 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.828	152	27647	4.000	ug/ml		0.00
Standard Area 1 = 28337			Recovery = 97.57%				
55) IS2_Naphthalene-d8	6.075	136	99921	4.000	ug/ml		0.00
Standard Area 1 = 104265			Recovery = 95.83%				
83) IS2_Acenaphthene-d10	7.793	164	59422	4.000	ug/ml		0.00
Standard Area 1 = 62951			Recovery = 94.39%				
98) IS2_Phenanthrene-d10	9.234	188	127093	4.000	ug/ml	#	0.00
Standard Area 1 = 137988			Recovery = 92.10%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.399	105	14292	2.485	ug/ml		98
29) Acetophenone	5.234	105	28110	2.244	ug/ml		98
30) m-Toluidine	5.311	106	23799	2.538	ug/ml		95
31) 2-Chloroaniline	5.675	127	26240	2.418	ug/ml		99
56) a-Terpineol	6.122	59	14578	2.303	ug/ml		87
57) 3-Chloroaniline	6.140	65	8295	2.558	ug/ml		98
58) 2,6-Dichlorophenol	6.169	162	18960	2.431	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.428	111	8454	2.404	ug/ml		94
60) Caprolactam	6.458	55	6831	2.193	ug/ml		90
61) 1,2,4,5-Tetrachloroben...	6.946	216	27769	2.374	ug/ml		97
62) Biphenyl	7.240	154	58131	2.403	ug/ml		97
84) Dichloran	8.922	206	5435	2.164	ug/ml	#	69
85) Pentachloronitrobenzene	9.075	237	6445	2.288	ug/ml	#	82
99) Diphenamid	10.140	167	33914	2.348	ug/ml		85

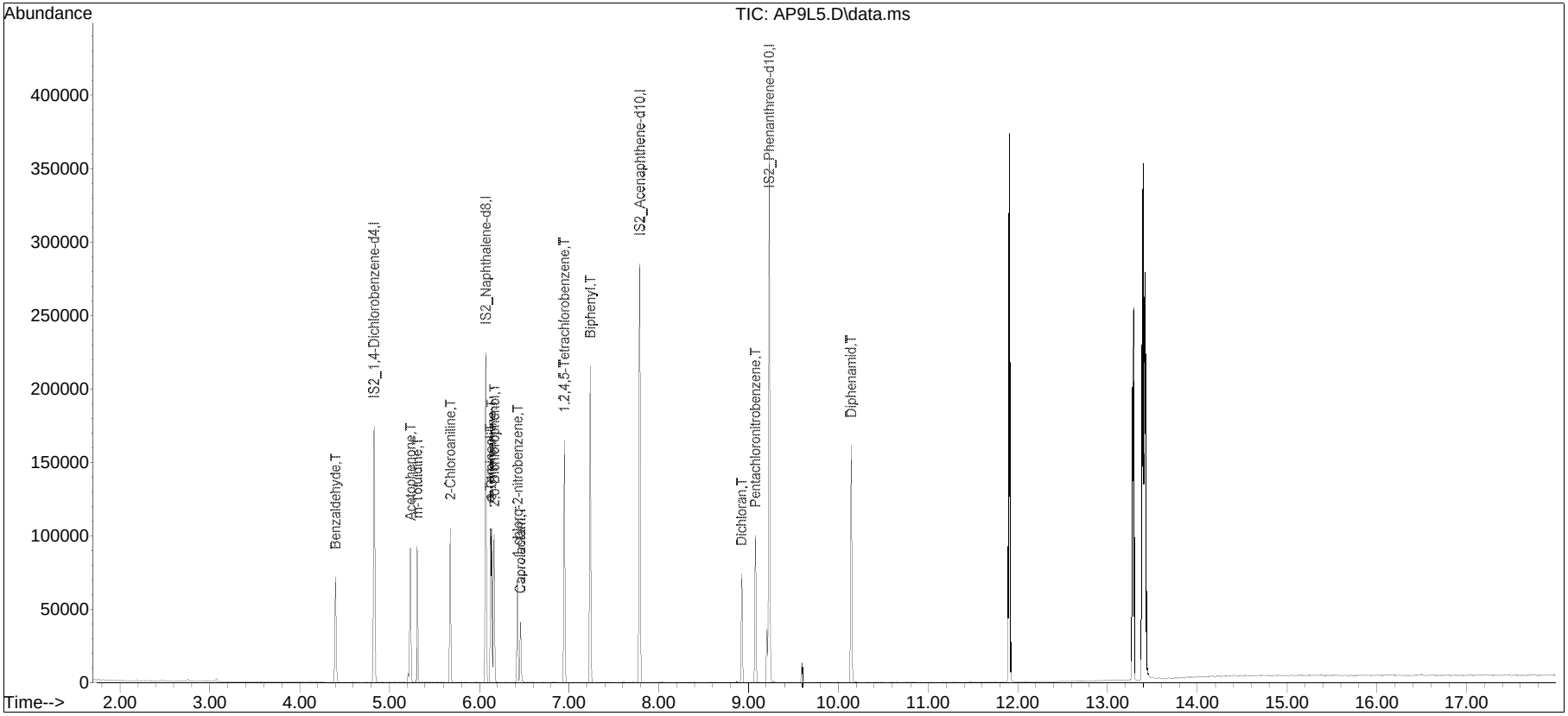
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L5.D
Acq On : 16 Dec 2024 03:08 am
Operator : SV112:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11188
Misc : WG2010188
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 16 15:06:03 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: AP9L5.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 3:08 am	Instrument	: SV112
Sample	: IL6,32,,AP9L2.5 Lot# 11188	Quant Date	: 12/16/2024 3:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L4.D
Acq On : 16 Dec 2024 03:31 am
Operator : SV112:HNY
Sample : IL7,32,,AP9L1 Lot# 11189
Misc : WG2010188
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 16 15:05:52 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.828	152	26147	4.000	ug/ml		0.00
Standard Area 1 = 28337			Recovery = 92.27%				
55) IS2_Naphthalene-d8	6.069	136	95369	4.000	ug/ml		0.00
Standard Area 1 = 104265			Recovery = 91.47%				
83) IS2_Acenaphthene-d10	7.787	164	56092	4.000	ug/ml		0.00
Standard Area 1 = 62951			Recovery = 89.10%				
98) IS2_Phenanthrene-d10	9.234	188	123041	4.000	ug/ml	#	0.00
Standard Area 1 = 137988			Recovery = 89.17%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.399	105	5334	0.981	ug/ml		97
29) Acetophenone	5.228	105	11555	0.975	ug/ml		97
30) m-Toluidine	5.311	106	8239	0.929	ug/ml		97
31) 2-Chloroaniline	5.675	127	10112	0.985	ug/ml		99
56) a-Terpineol	6.122	59	5689	0.942	ug/ml	#	82
57) 3-Chloroaniline	6.140	65	3442	1.112	ug/ml		87
58) 2,6-Dichlorophenol	6.169	162	7444	1.000	ug/ml	#	88
59) 1-chloro-2-nitrobenzene	6.422	111	3152	0.939	ug/ml		95
60) Caprolactam	6.458	55	2416	0.997	ug/ml	#	89
61) 1,2,4,5-Tetrachloroben...	6.946	216	11102	0.994	ug/ml		97
62) Biphenyl	7.240	154	23180	1.004	ug/ml		97
84) Dichloran	8.922	206	2092	0.883	ug/ml	#	70
85) Pentachloronitrobenzene	9.075	237	2430	0.914	ug/ml	#	81
99) Diphenamid	10.140	167	12812	0.916	ug/ml		87

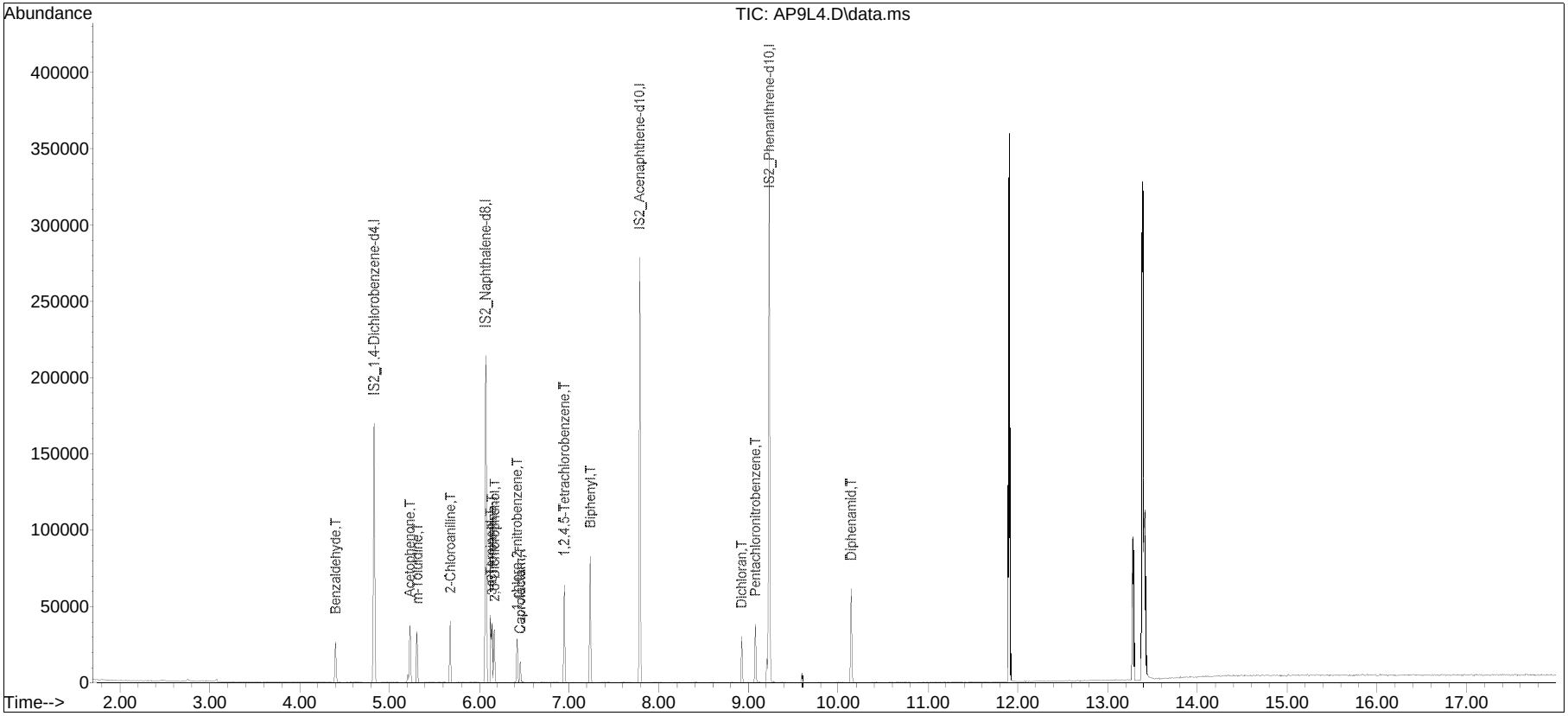
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L4.D
Acq On : 16 Dec 2024 03:31 am
Operator : SV112:HNY
Sample : IL7,32,,AP9L1 Lot# 11189
Misc : WG2010188
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 16 15:05:52 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: AP9L4.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 3:31 am	Instrument	: SV112
Sample	: IL7,32,,AP9L1 Lot# 11189	Quant Date	: 12/16/2024 3:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L3.D
Acq On : 16 Dec 2024 03:56 am
Operator : SV112:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11190
Misc : WG2010188
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 16 15:05:41 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	28266	4.000	ug/ml	0.00
Standard Area 1 = 28337			Recovery = 99.75%			
55) IS2_Naphthalene-d8	6.075	136	101264	4.000	ug/ml	0.00
Standard Area 1 = 104265			Recovery = 97.12%			
83) IS2_Acenaphthene-d10	7.793	164	59017	4.000	ug/ml	0.00
Standard Area 1 = 62951			Recovery = 93.75%			
98) IS2_Phenanthrene-d10	9.234	188	125017	4.000	ug/ml #	0.00
Standard Area 1 = 137988			Recovery = 90.60%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.399	105	3041	0.517	ug/ml	94
29) Acetophenone	5.234	105	6435	0.502	ug/ml	97
30) m-Toluidine	5.316	106	3987	0.416	ug/ml	94
31) 2-Chloroaniline	5.675	127	5874	0.530	ug/ml	97
56) a-Terpineol	6.128	59	3190	0.497	ug/ml#	84
57) 3-Chloroaniline	6.140	65	1693	0.515	ug/ml	92
58) 2,6-Dichlorophenol	6.169	162	4208	0.532	ug/ml#	89
59) 1-chloro-2-nitrobenzene	6.428	111	1896	0.532	ug/ml	94
60) Caprolactam	6.458	55	1289	0.647	ug/ml	88
61) 1,2,4,5-Tetrachloroben...	6.946	216	6527	0.550	ug/ml	97
62) Biphenyl	7.240	154	13459	0.549	ug/ml	97
84) Dichloran	8.922	206	1126	0.451	ug/ml#	69
85) Pentachloronitrobenzene	9.075	237	1199	0.429	ug/ml#	81
99) Diphenamid	10.140	167	6554	0.461	ug/ml	83

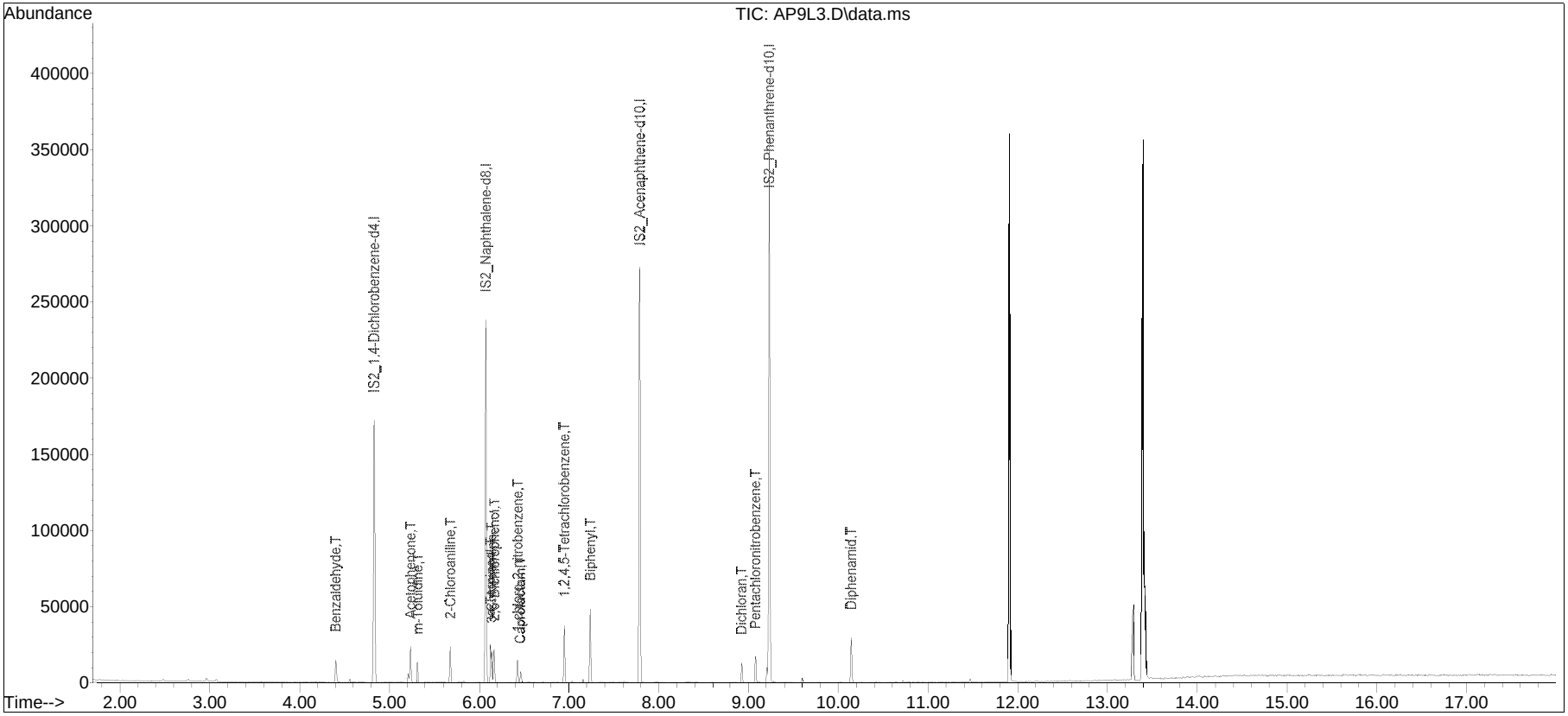
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L3.D
Acq On : 16 Dec 2024 03:56 am
Operator : SV112:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11190
Misc : WG2010188
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 16 15:05:41 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: AP9L3.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 3:56 am	Instrument	: SV112
Sample	: IL8,32,,AP9L0.5 Lot# 11190	Quant Date	: 12/16/2024 3:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L2.D
Acq On : 16 Dec 2024 04:20 am
Operator : SV112:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11191
Misc : WG2010188
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 16 15:05:30 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.828	152	26504	4.000	ug/ml		0.00
Standard Area 1 = 28337			Recovery = 93.53%				
55) IS2_Naphthalene-d8	6.069	136	96917	4.000	ug/ml		0.00
Standard Area 1 = 104265			Recovery = 92.95%				
83) IS2_Acenaphthene-d10	7.787	164	56057	4.000	ug/ml		0.00
Standard Area 1 = 62951			Recovery = 89.05%				
98) IS2_Phenanthrene-d10	9.234	188	122858	4.000	ug/ml	#	0.00
Standard Area 1 = 137988			Recovery = 89.04%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.399	105	1141	0.207	ug/ml		93
29) Acetophenone	5.234	105	2549	0.212	ug/ml	#	80
30) m-Toluidine	5.310	106	837	0.093	ug/ml	#	92
31) 2-Chloroaniline	5.675	127	2099	0.202	ug/ml		94
56) a-Terpineol	6.122	59	1233	0.201	ug/ml		88
57) 3-Chloroaniline	6.140	65	544	0.173	ug/ml	#	75
58) 2,6-Dichlorophenol	6.169	162	1503	0.199	ug/ml	#	85
59) 1-chloro-2-nitrobenzene	6.422	111	676	0.198	ug/ml		90
60) Caprolactam	6.463	55	422M2	0.415	ug/ml		
61) 1,2,4,5-Tetrachloroben...	6.946	216	2388	0.210	ug/ml	#	88
62) Biphenyl	7.240	154	4998	0.213	ug/ml		96
84) Dichloran	8.922	206	416M2	0.176	ug/ml		
85) Pentachloronitrobenzene	9.075	237	486M2	0.183	ug/ml		
99) Diphenamid	10.140	167	2497	0.179	ug/ml		87

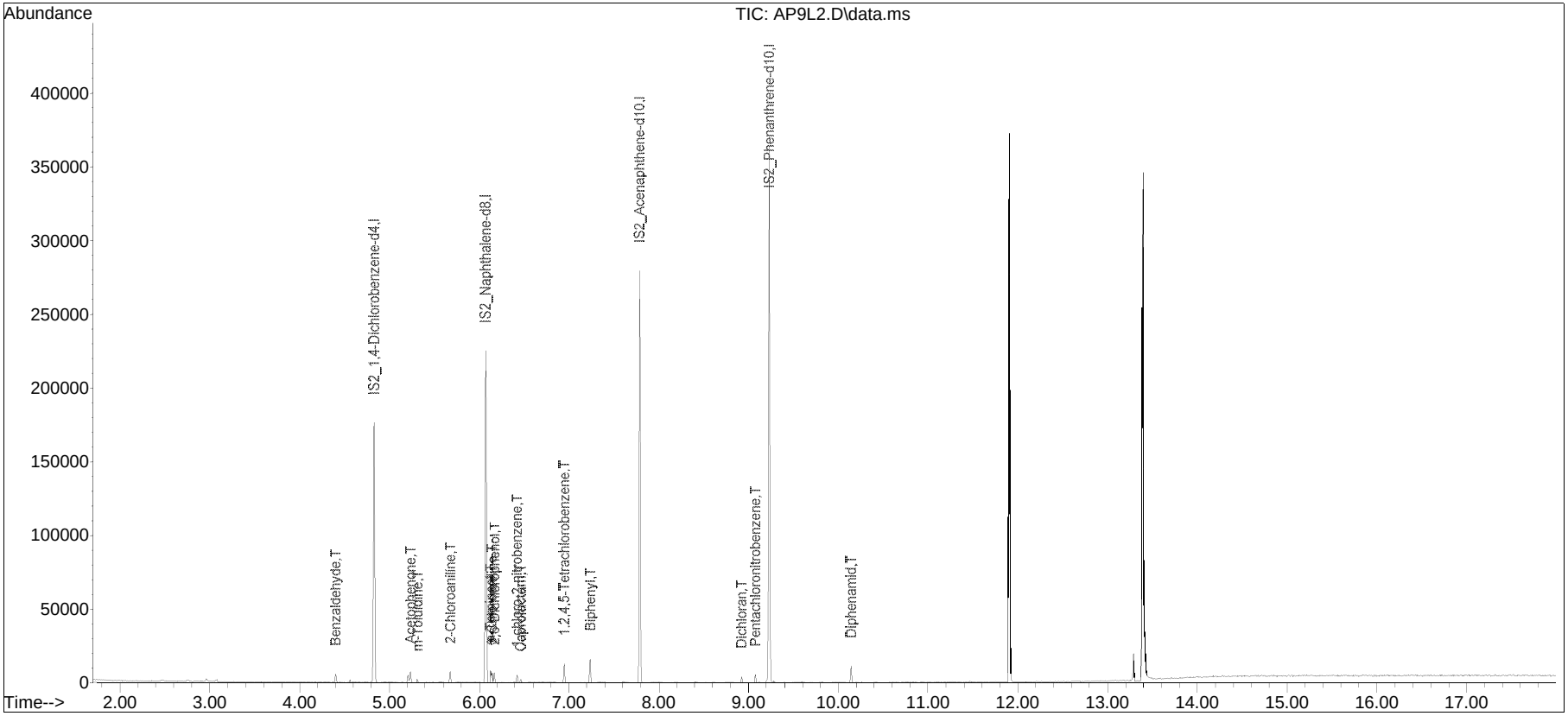
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L2.D
Acq On : 16 Dec 2024 04:20 am
Operator : SV112:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11191
Misc : WG2010188
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 16 15:05:30 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

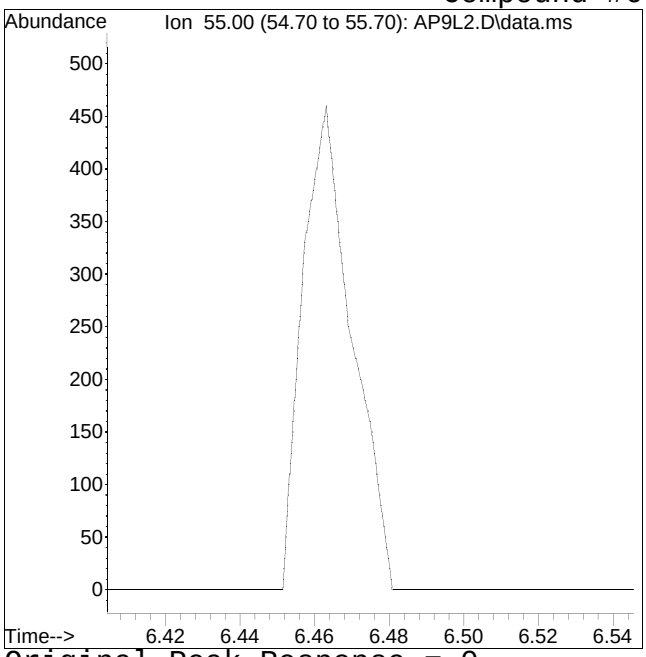
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



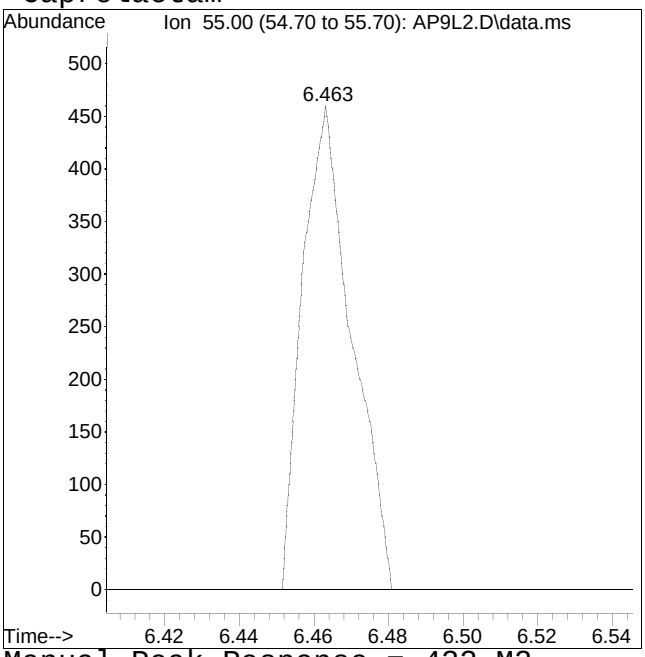
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:20 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11191Quant Date : 12/16/2024 3:07 pm

Compound #60: Caprolactam



Original Peak Response = 0



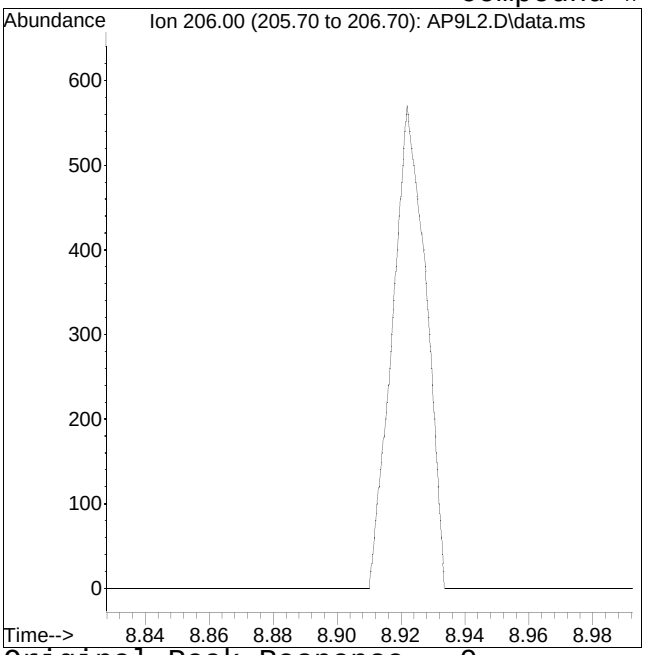
Manual Peak Response = 422 M2

M2 = Peak not found by automatic integration algorithm.

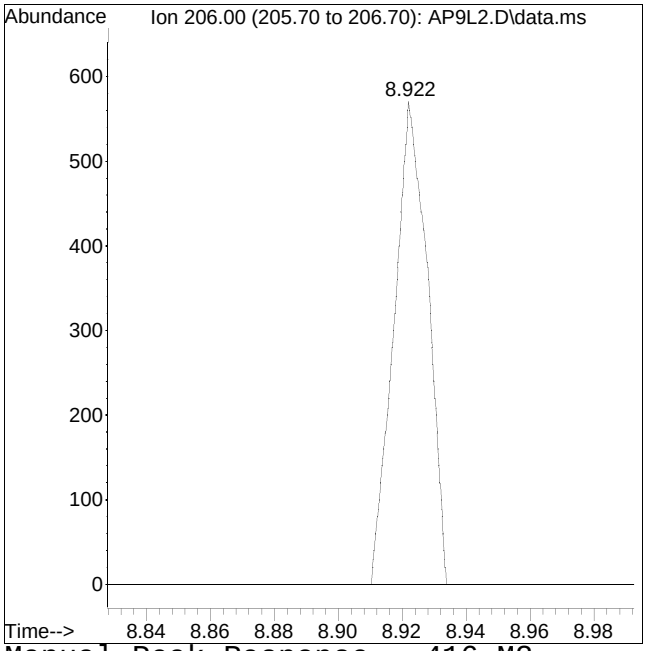
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:20 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11191Quant Date : 12/16/2024 3:07 pm

Compound #84: Dichloran



Original Peak Response = 0



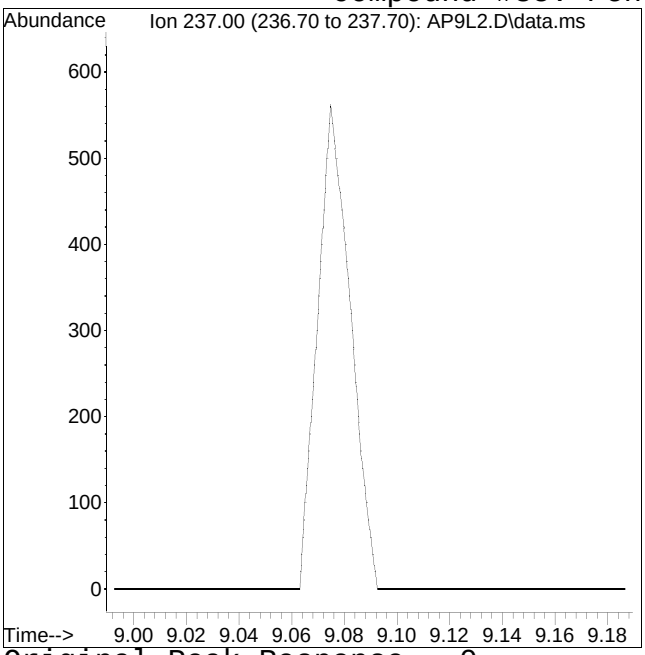
Manual Peak Response = 416 M2

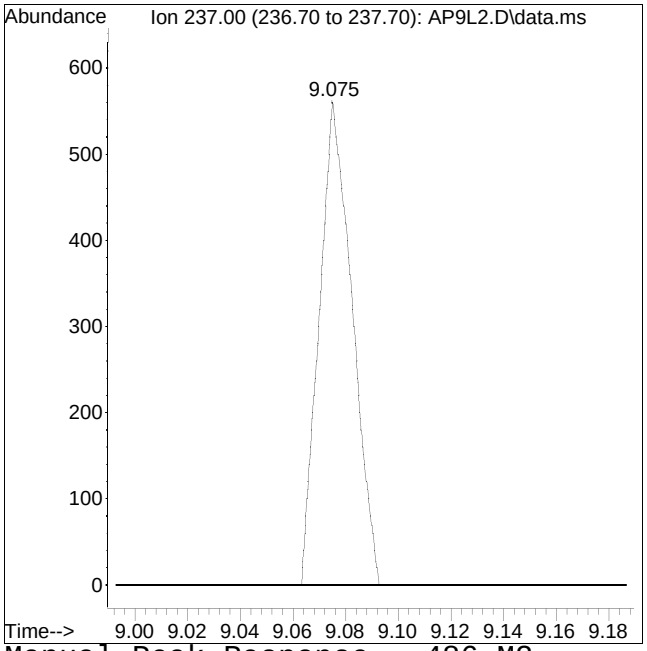
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:20 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11191Quant Date : 12/16/2024 3:07 pm

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 486 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L1.D
Acq On : 16 Dec 2024 04:45 am
Operator : SV112:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11192
Misc : WG2010188
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 16 15:05:20 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	4.828	152	27431	4.000 ug/ml	0.00
Standard Area 1 = 28337			Recovery =	96.80%	
55) IS2_Naphthalene-d8	6.075	136	97555	4.000 ug/ml	0.00
Standard Area 1 = 104265			Recovery =	93.56%	
83) IS2_Acenaphthene-d10	7.793	164	57116	4.000 ug/ml	0.00
Standard Area 1 = 62951			Recovery =	90.73%	
98) IS2_Phenanthrene-d10	9.234	188	123762	4.000 ug/ml	# 0.00
Standard Area 1 = 137988			Recovery =	89.69%	
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	4.399	105	669	0.117 ug/ml	98
29) Acetophenone	5.234	105	1538	0.124 ug/ml#	51
30) m-Toluidine	0.000		0	N.D.	
31) 2-Chloroaniline	5.675	127	1090	0.101 ug/ml#	46
56) a-Terpineol	6.122	59	675	0.109 ug/ml#	24
57) 3-Chloroaniline	6.140	65	249M2	0.079 ug/ml	
58) 2,6-Dichlorophenol	6.169	162	673	0.088 ug/ml#	50
59) 1-chloro-2-nitrobenzene	6.428	111	328M2	0.096 ug/ml	
60) Caprolactam	6.469	55	175M2	0.343 ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.946	216	1361	0.119 ug/ml#	86
62) Biphenyl	7.240	154	2860	0.121 ug/ml	97
84) Dichloran	8.922	206	203M2	0.084 ug/ml	
85) Pentachloronitrobenzene	9.081	237	236M2	0.087 ug/ml	
99) Diphenamid	10.140	167	1420	0.101 ug/ml	84

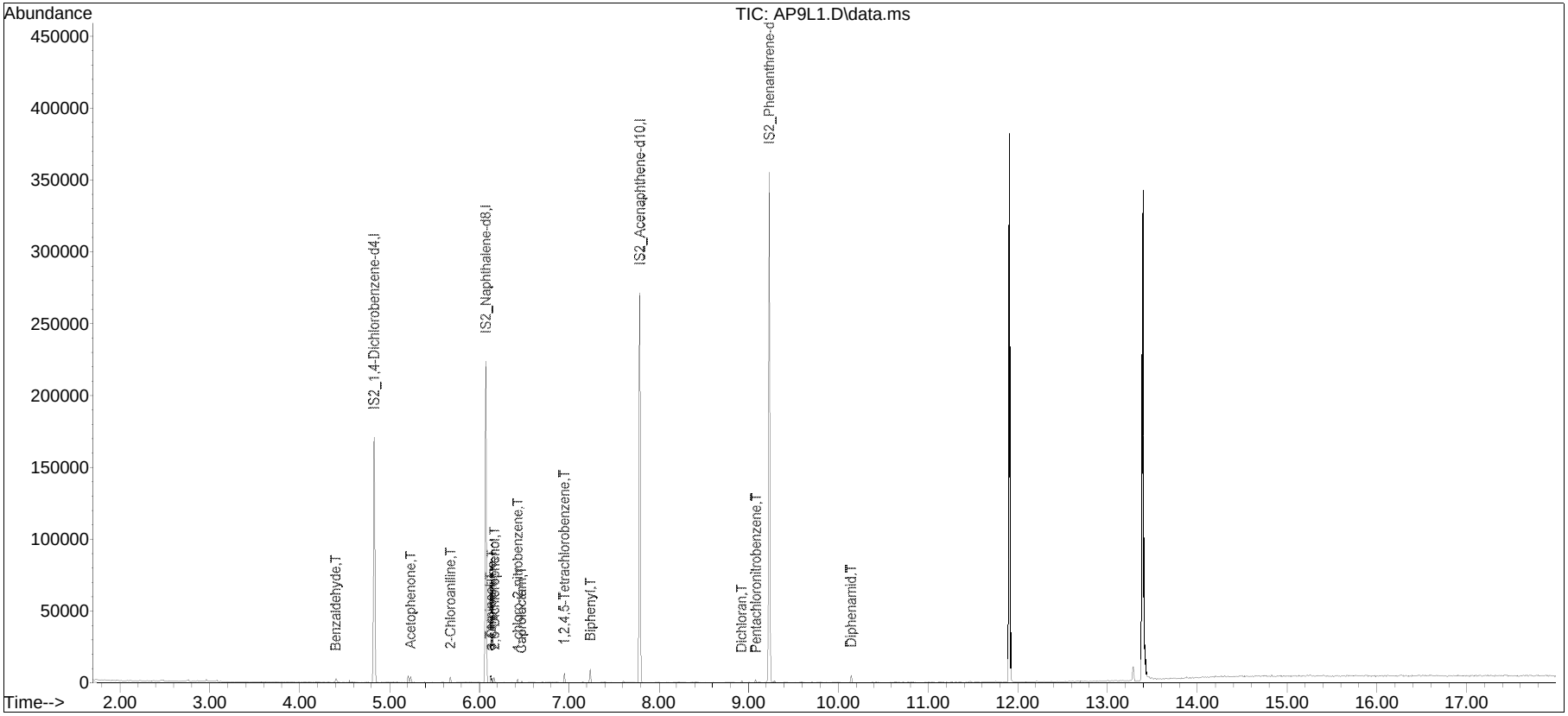
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9L1.D
Acq On : 16 Dec 2024 04:45 am
Operator : SV112:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11192
Misc : WG2010188
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 16 15:05:20 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

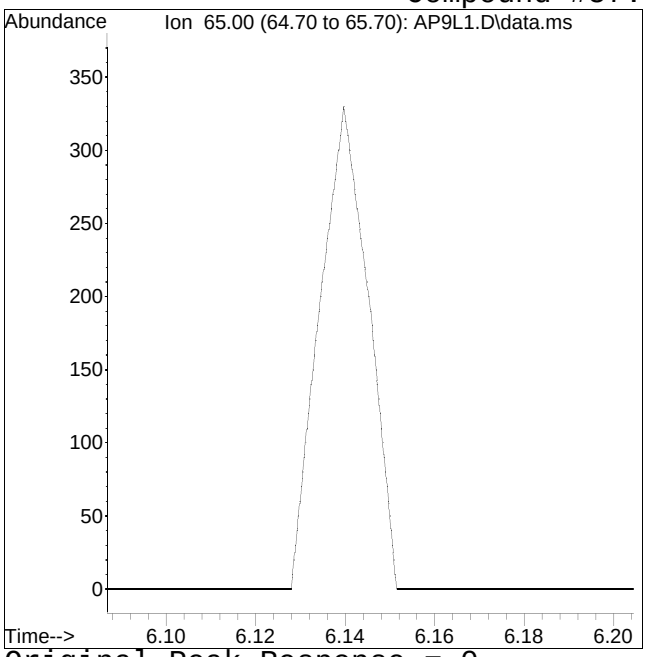
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



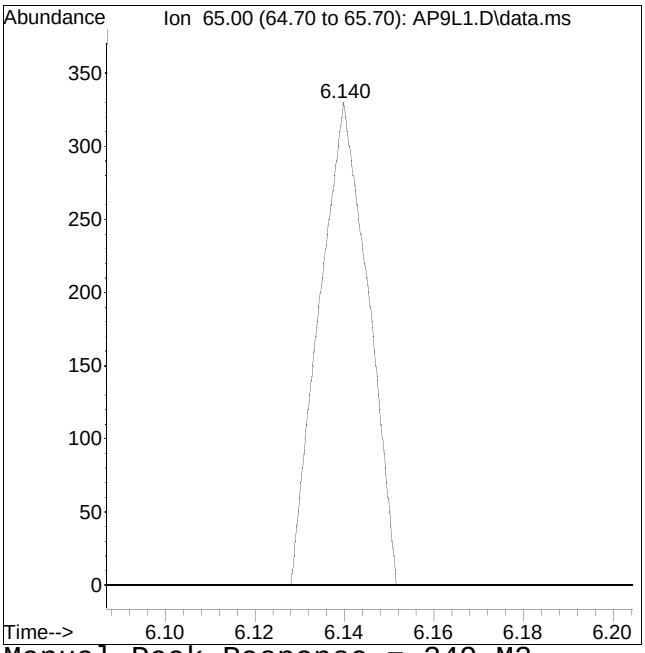
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:45 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1119Quant Date : 12/16/2024 3:07 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0



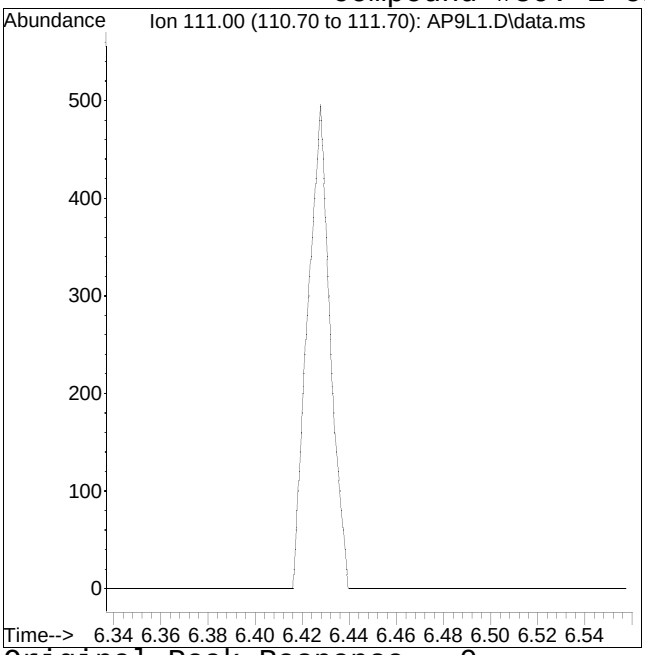
Manual Peak Response = 249 M2

M2 = Peak not found by automatic integration algorithm.

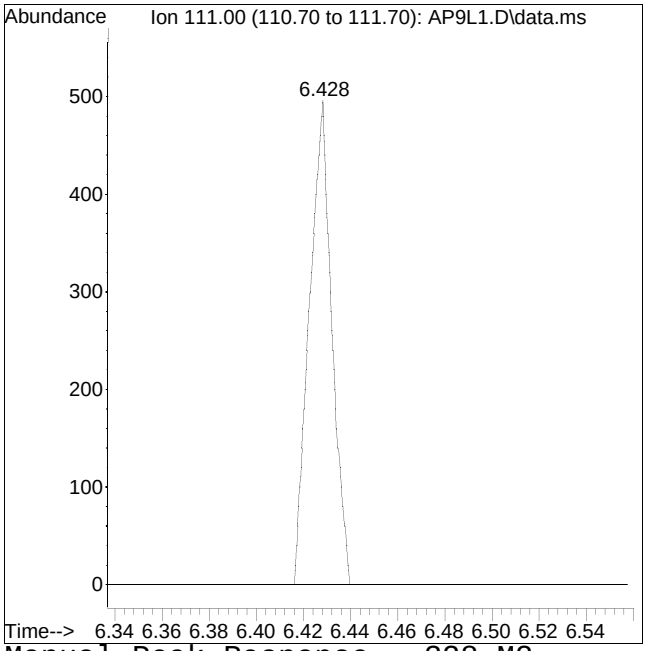
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:45 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1119Quant Date : 12/16/2024 3:07 pm

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



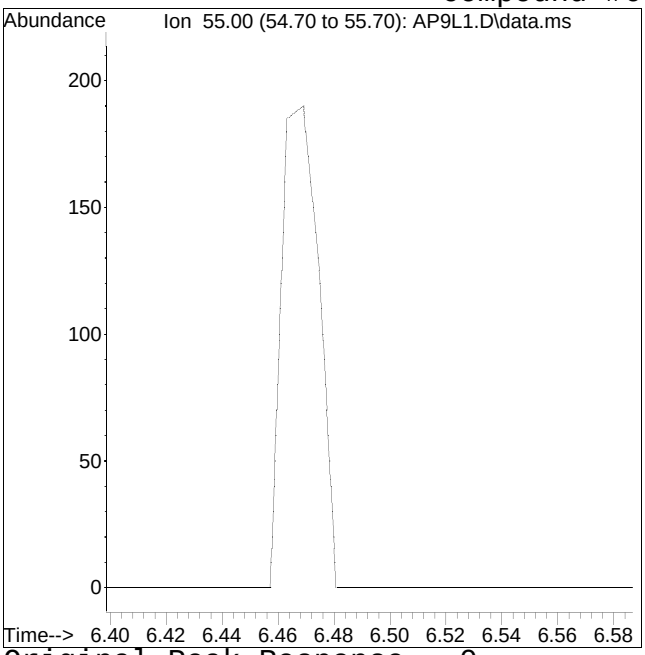
Manual Peak Response = 328 M2

M2 = Peak not found by automatic integration algorithm.

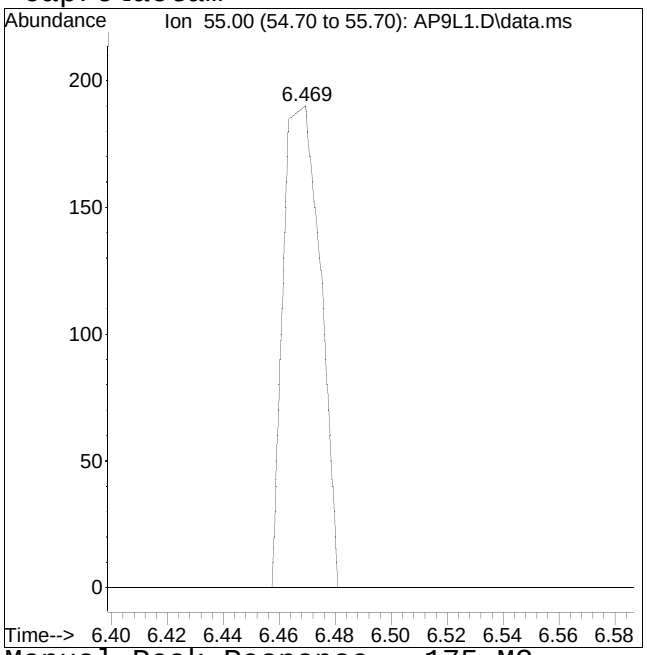
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:45 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1119Quant Date : 12/16/2024 3:07 pm

Compound #60: Caprolactam



Original Peak Response = 0



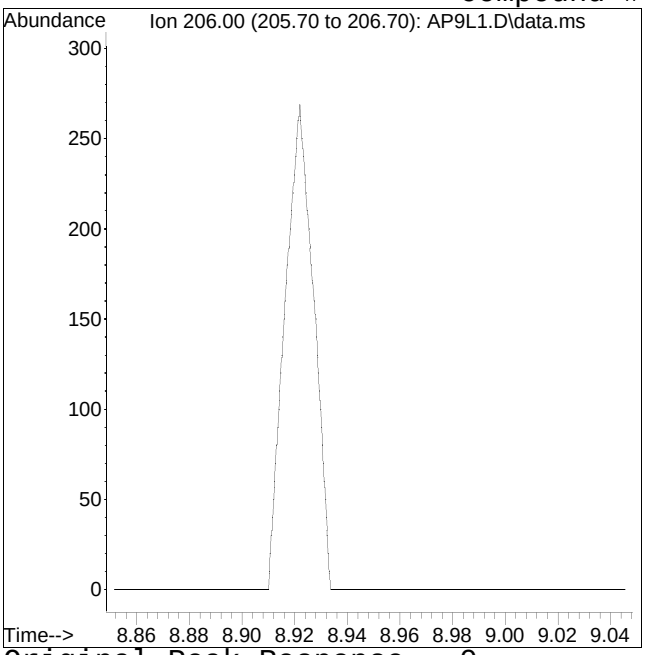
Manual Peak Response = 175 M2

M2 = Peak not found by automatic integration algorithm.

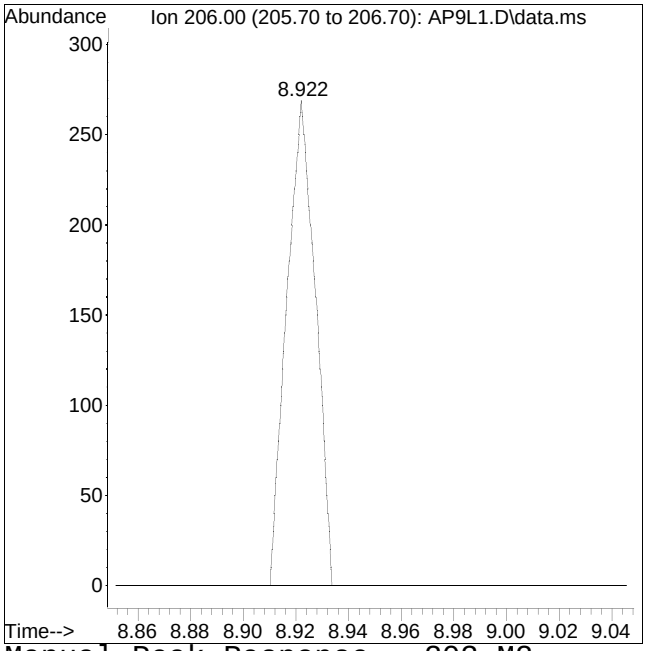
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:45 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1119Quant Date : 12/16/2024 3:07 pm

Compound #84: Dichloran



Original Peak Response = 0



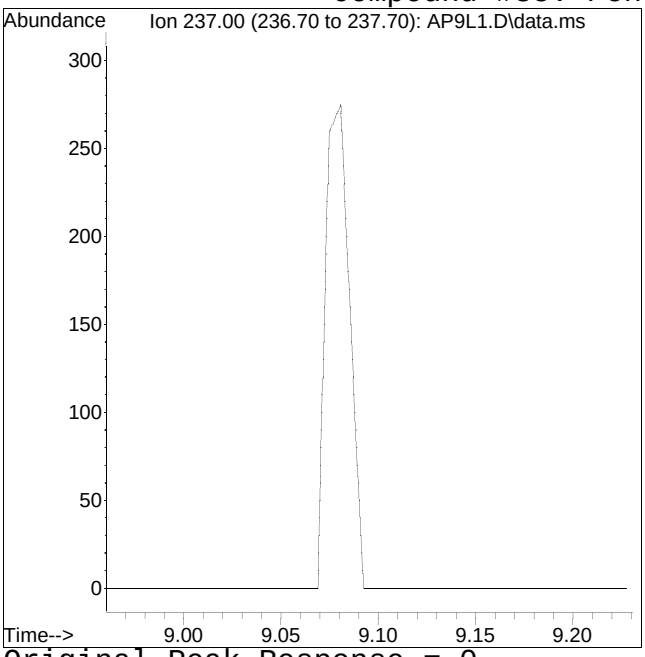
Manual Peak Response = 203 M2

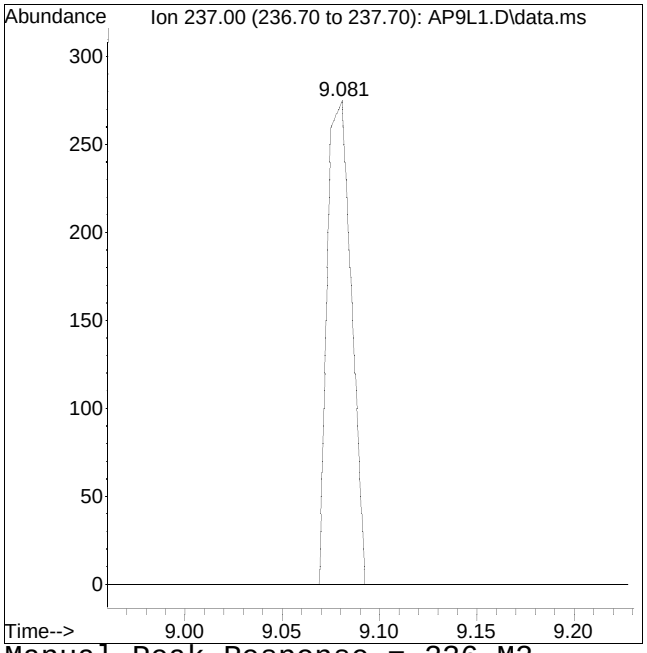
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : AP9L1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 4:45 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1119Quant Date : 12/16/2024 3:07 pm

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 236 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	T	n-Nitrosodimethylamine	0.739	0.666	9.9	86	0.02
3	T	Pyridine	1.143	0.939	17.8	74	0.02
4	S	2-Fluorophenol	1.117	1.060	5.1	90	0.00
5	T	Aniline	1.761	1.577	10.4	84	0.00
6	T	2-Chlorophenol	1.265	1.222	3.4	91	0.00
7	S	Phenol-d6	1.415	1.345	4.9	91	0.00
8	T	Phenol	1.604	1.563	2.6	92	0.00
9	T	Bis(2-chloroethyl)ether	1.219	1.162	4.7	91	0.00
10	T	1,3-Dichlorobenzene	1.548	1.489	3.8	93	0.00
11	T	1,4-Dichlorobenzene	1.564	1.501	4.0	92	0.00
12	T	1,2-Dichlorobenzene	1.522	1.461	4.0	93	0.00
13	T	Benzyl alcohol	0.988	0.892	9.7	85	0.00
14	T	Bis(2-chloroisopropyl)ether	1.452	1.326	8.7	85	0.00
15	T	2-Methylphenol	1.084	1.067	1.6	94	0.00
16	T	Hexachloroethane	0.591	0.558	5.6	92	0.00
17	T	n-Nitrosodi-n-propylamine	0.893	0.793	11.2	87	0.00
18	T	3-Methylphenol/4-Methylphen	1.179	1.139	3.4	91	0.00
19	S	Nitrobenzene-d5	1.273	1.172	7.9	86	0.00
20	T	Nitrobenzene	1.315	1.232	6.3	88	0.00
21	T	Isophorone	2.342	2.168	7.4	85	0.00
22	T	2-Nitrophenol	0.614	0.561	8.6	83	0.00
23	T	2,4-Dimethylphenol	1.099	0.896	18.5	76	0.00
24	T	Bis(2-chloroethoxy)methane	1.615	1.534	5.0	89	0.00
25	T	2,4-Dichlorophenol	1.203	1.187	1.3	90	0.00
26	T	1,2,4-Trichlorobenzene	1.483	1.406	5.2	91	0.00
35	I	IS1_Naphthalene-d8	1.000	1.000	0.0	92	0.00
36	T	Naphthalene	1.049	1.016	3.1	90	0.00
37	T	Benzoic Acid	0.249	0.181	27.3#	76	0.00
38	T	4-Chloroaniline	0.123	0.114	7.3	84	0.00
39	T	Hexachlorobutadiene	0.259	0.247	4.6	93	0.00
40	T	p-Chloro-m-cresol	0.285	0.274	3.9	89	0.00
41	T	2-Methylnaphthalene	0.727	0.718	1.2	95	0.00
42	T	1-Methylnaphthalene	0.245	0.231	5.7	92	0.00
43	T	Hexachlorocyclopentadiene	0.270	0.212	21.5#	76	0.00
44	T	2,4,6-Trichlorophenol	0.267	0.258	3.4	89	0.00
45	T	2,4,5-Trichlorophenol	0.286	0.288	-0.7	92	0.00
46	S	2-Fluorobiphenyl	0.914	0.898	1.8	93	0.00

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.774	0.749	3.2	92	0.00
48	T	2-Nitroaniline		0.202	0.188	6.9	87	0.00
49	T	1,4-Dinitrobenzene		0.111	0.097	12.6	83	0.00
50	T	1,3-Dinitrobenzene		0.126	0.116	7.9	85	0.00
51	T	Dimethyl phthalate		0.917	0.898	2.1	91	0.00
52	T	Acenaphthylene		1.090	1.112	-2.0	91	0.00
53	T	2,6-Dinitrotoluene		0.175	0.173	1.1	87	0.00
54	T	1,2-Dinitrobenzene		0.078	0.076	2.6	87	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	94	0.00
64	T	3-Nitroaniline		0.313	0.292	6.7	86	0.00
65	T	Acenaphthene		1.122	1.052	6.2	94	0.00
66	T	2,4-Dinitrophenol	*	5.000	3.776	24.5#	83	0.00
67	T	Dibenzofuran		1.899	1.784	6.1	92	0.00
68	T	2,4-Dinitrotoluene		0.392	0.391	0.3	87	0.00
69	T	4-Nitrophenol		0.245	0.239	2.4	88	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.412	0.410	0.5	89	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.402	0.415	-3.2	94	0.00
72	T	Diethyl phthalate		1.471	1.414	3.9	89	0.00
73	T	Fluorene		1.446	1.383	4.4	92	0.00
74	T	4-Chlorophenyl phenyl ether		0.792	0.740	6.6	92	0.00
75	T	4-Nitroaniline		0.311	0.322	-3.5	94	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.086	18.3	84	0.00
77	T	NDPA/DPA		1.205	1.222	-1.4	95	0.00
78	T	Azobenzene		1.314	1.298	1.2	91	0.00
79	S	2,4,6-Tribromophenol		0.244	0.246	-0.8	96	0.00
80	T	4-Bromophenyl phenyl ether		0.505	0.477	5.5	93	0.00
81	T	Hexachlorobenzene		0.616	0.588	4.5	97	0.00
82	T	Pentachlorophenol		0.335	0.304	9.3	83	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	94	0.00
89	T	Phenanthrene		1.122	1.081	3.7	94	0.00
90	T	Anthracene		1.087	1.077	0.9	95	0.00
91	T	Carbazole		0.982	0.996	-1.4	93	0.00
92	T	Di-n-butylphthalate		1.059	1.067	-0.8	89	0.00
93	T	Fluoranthene		1.297	1.294	0.2	94	0.00
94	T	Benzidine		0.667	0.632	5.2	86	0.00
95	T	Pyrene		1.363	1.424	-4.5	96	0.00
96	S	4-Terphenyl-d14		1.068	1.090	-2.1	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.471	0.431	8.5	84	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	95	0.00
105	T	Benzo(a)anthracene	1.250	1.221	2.3	92	0.00
106	T	3,3'-Dichlorobenzidine	0.439	0.432	1.6	90	0.00
107	T	Chrysene	1.276	1.211	5.1	95	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.620	0.619	0.2	87	0.00
109	T	Di-n-octylphthalate	0.957	0.934	2.4	83	0.00
110	T	Benzo(b)fluoranthene	1.300	1.246	4.2	86	0.00
111	T	Benzo(k)fluoranthene	1.193	1.221	-2.3	96	0.00
112	T	Benzo(a)pyrene	1.116	1.112	0.4	90	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	91	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.157	1.113	3.8	86	0.00
115	T	Dibenzo(a,h)anthracene	1.089	1.113	-2.2	92	0.00
116	T	Benzo(ghi)perylene	1.086	1.061	2.3	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.828	152	26032	4.000 ug/ml	0.00
Standard Area 1 = 28125			Recovery = 92.56%		
35) IS1_Naphthalene-d8	6.069	136	97142	4.000 ug/ml	0.00
Standard Area 1 = 105297			Recovery = 92.26%		
63) IS1_Acenaphthene-d10	7.787	164	61938	4.000 ug/ml	0.00
Standard Area 1 = 65814			Recovery = 94.11%		
88) IS1_Phenanthrene-d10	9.234	188	130678	4.000 ug/ml	# 0.00
Standard Area 1 = 138606			Recovery = 94.28%		
104) IS1_Chrysene-d12	11.904	240	151805	4.000 ug/ml	# 0.00
Standard Area 1 = 159911			Recovery = 94.93%		
113) IS1_Perylene-d12	13.393	264	160820	4.000 ug/ml	0.00
Standard Area 1 = 177145			Recovery = 90.78%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.558	112	34482	4.742 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 237.10%#		
7) Phenol-d6	4.499	99	43768	4.753 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 237.65%#		
19) Nitrobenzene-d5	5.369	82	38125	4.602 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 460.20%#		
46) 2-Fluorobiphenyl	7.146	172	109063	4.915 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 491.50%#		
79) 2,4,6-Tribromophenol	8.557	330	19038	5.039 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 251.95%#		
96) 4-Terphenyl-d14	10.828	244	177995	5.103 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 510.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.205	74	21663	4.501 ug/ml#	97
3) Pyridine	2.252	79	30548M1	4.108 ug/ml	
5) Aniline	4.511	93	51303	4.478 ug/ml#	48
6) 2-Chlorophenol	4.622	128	39752	4.827 ug/ml	94
8) Phenol	4.511	94	50869	4.873 ug/ml#	58
9) Bis(2-chloroethyl)ether	4.587	93	37798	4.766 ug/ml	95
10) 1,3-Dichlorobenzene	4.769	146	48439	4.809 ug/ml	97
11) 1,4-Dichlorobenzene	4.846	146	48841	4.799 ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	47543	4.801 ug/ml	97
13) Benzyl alcohol	4.975	79	29013	4.513 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.116	45	43157	4.566 ug/ml#	52

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	34706	4.917	ug/ml	98
16) Hexachloroethane	5.322	117	18161	4.723	ug/ml#	64
17) n-Nitrosodi-n-propylamine	5.246	70	25800	4.440	ug/ml	94
18) 3-Methylphenol/4-Methy...	5.258	108	37063	4.829	ug/ml	96
20) Nitrobenzene	5.387	77	40081	4.683	ug/ml	98
21) Isophorone	5.628	82	70550	4.628	ug/ml	99
22) 2-Nitrophenol	5.705	139	18271	4.573	ug/ml	95
23) 2,4-Dimethylphenol	5.775	107	29172	4.077	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.864	93	49913	4.750	ug/ml#	97
25) 2,4-Dichlorophenol	5.946	162	38623	4.932	ug/ml#	93
26) 1,2,4-Trichlorobenzene	6.022	180	45739	4.739	ug/ml	96
36) Naphthalene	6.093	128	123416	4.844	ug/ml	99
37) Benzoic Acid	5.846	105	21949	3.625	ug/ml	97
38) 4-Chloroaniline	6.158	65	13800	4.612	ug/ml	92
39) Hexachlorobutadiene	6.240	225	30018	4.767	ug/ml	99
40) p-Chloro-m-cresol	6.652	107	33283	4.816	ug/ml	92
41) 2-Methylnaphthalene	6.775	142	87244	4.940	ug/ml	98
42) 1-Methylnaphthalene	6.869	115	28014	4.705	ug/ml	92
43) Hexachlorocyclopentadiene	6.946	237	25796	3.937	ug/ml	99
44) 2,4,6-Trichlorophenol	7.063	196	31279	4.820	ug/ml	97
45) 2,4,5-Trichlorophenol	7.093	196	34951	5.030	ug/ml	96
47) 2-Chloronaphthalene	7.246	162	90900	4.839	ug/ml	93
48) 2-Nitroaniline	7.352	138	22841	4.667	ug/ml	92
49) 1,4-Dinitrobenzene	7.487	168	11833	4.377	ug/ml	89
50) 1,3-Dinitrobenzene	7.563	168	14052	4.601	ug/ml	89
51) Dimethyl phthalate	7.552	163	109092	4.899	ug/ml	100
52) Acenaphthylene	7.646	152	135028	5.101	ug/ml	98
53) 2,6-Dinitrotoluene	7.599	165	21001	4.948	ug/ml	93
54) 1,2-Dinitrobenzene	7.640	168	9207	4.868	ug/ml#	1
64) 3-Nitroaniline	7.758	138	22581	4.660	ug/ml	96
65) Acenaphthene	7.822	154	81480	4.692	ug/ml	96
66) 2,4-Dinitrophenol	7.858	184	11827	3.776	ug/ml#	83
67) Dibenzofuran	7.993	168	138095	4.695	ug/ml	91
68) 2,4-Dinitrotoluene	7.987	165	30250	4.989	ug/ml	92
69) 4-Nitrophenol	7.940	65	18466	4.867	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	8.081	232	31705	4.969	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.122	232	32110	5.154	ug/ml	96
72) Diethyl phthalate	8.252	149	109507	4.807	ug/ml	96
73) Fluorene	8.322	166	107084	4.784	ug/ml	96
74) 4-Chlorophenyl phenyl ...	8.340	204	57299	4.674	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.346	138	24930	5.180	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.381	198	17465	4.086	ug/ml#	75
77)	NDPA/DPA	8.457	169	94605	5.072	ug/ml	95
78)	Azobenzene	8.493	77	100476	4.939	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.816	248	36961	4.723	ug/ml#	81
81)	Hexachlorobenzene	8.869	284	45521	4.772	ug/ml#	83
82)	Pentachlorophenol	9.063	266	23557	4.540	ug/ml	99
89)	Phenanthrene	9.257	178	176501	4.817	ug/ml	99
90)	Anthracene	9.304	178	175912	4.952	ug/ml	98
91)	Carbazole	9.469	167	162662	5.072	ug/ml	98
92)	Di-n-butylphthalate	9.857	149	174331	5.041	ug/ml	100
93)	Fluoranthene	10.422	202	211413M3	4.989	ug/ml	
94)	Benzidine	10.569	184	103255	4.739	ug/ml#	97
95)	Pyrene	10.640	202	232542	5.221	ug/ml	98
97)	Butyl benzyl phthalate	11.357	149	70457	4.577	ug/ml	95
105)	Benzo(a)anthracene	11.893	228	231688	4.883	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.893	252	81889	4.914	ug/ml#	98
107)	Chrysene	11.934	228	229718	4.743	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	12.004	149	117394	4.991	ug/ml	99
109)	Di-n-octylphthalate	12.687	149	177236	4.882	ug/ml	96
110)	Benzo(b)fluoranthene	13.016	252	236458	4.793	ug/ml#	96
111)	Benzo(k)fluoranthene	13.040	252	231605M3	5.114	ug/ml	
112)	Benzo(a)pyrene	13.334	252	211059	4.983	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.410	276	223683M6	4.810	ug/mL	
115)	Dibenzo(a,h)anthracene	14.434	278	223781	5.112	ug/ml#	92
116)	Benzo(ghi)perylene	14.687	276	213205	4.883	ug/ml#	93

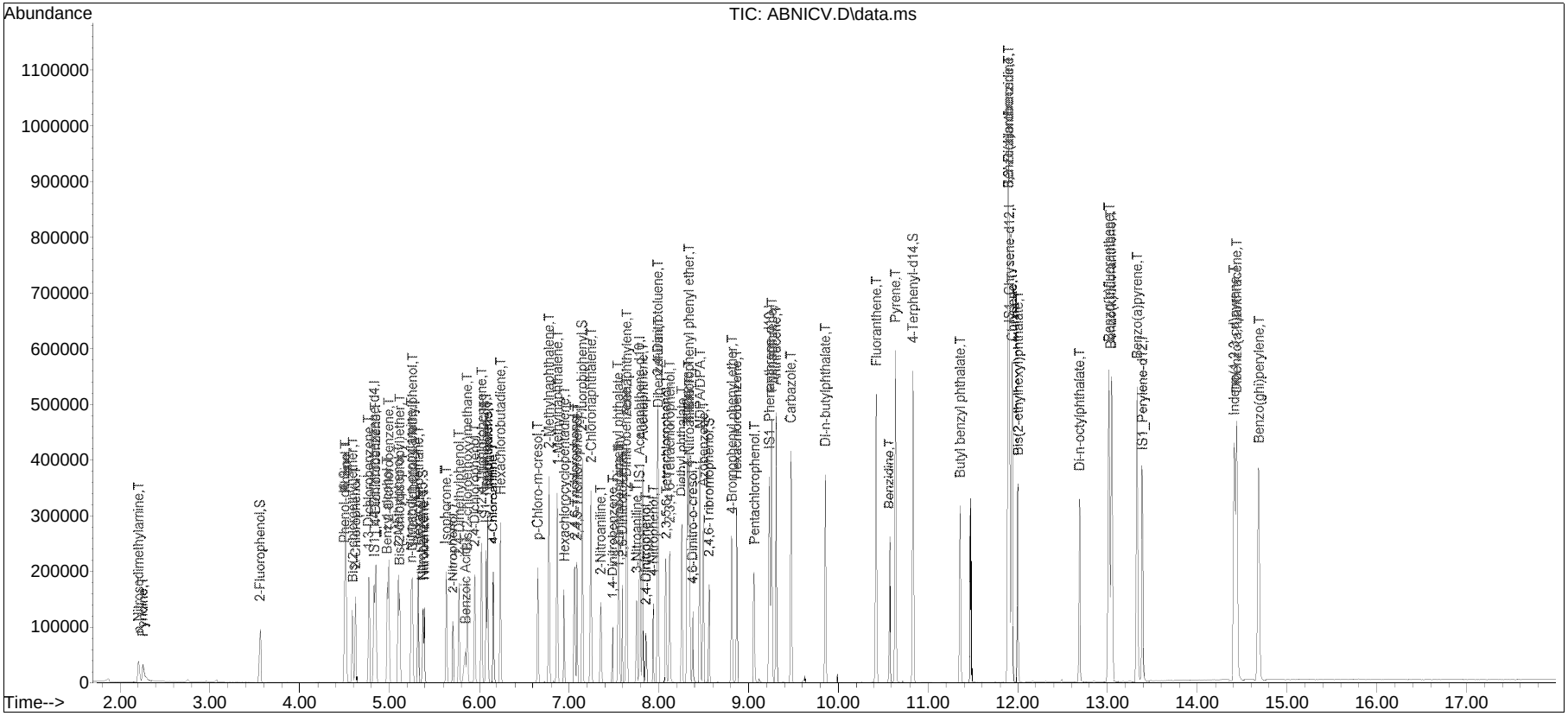
(#) = qualifier out of range (m) = manual integration (+) = signals summed

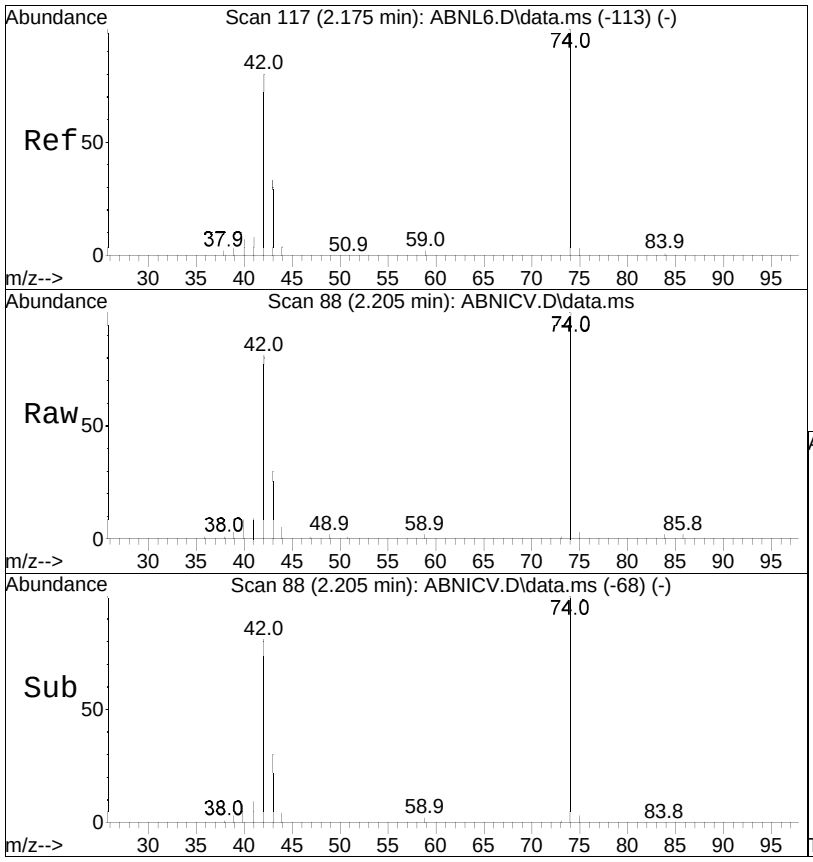
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ABNICV.D
Acq On : 16 Dec 2024 05:08 am
Operator : SV112:HNY
Sample : CQICV1,32,,ABNICV Lot# 11202
Misc : WG2010188
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 10:57:25 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

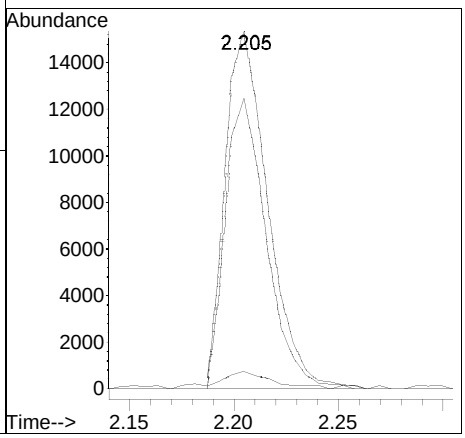


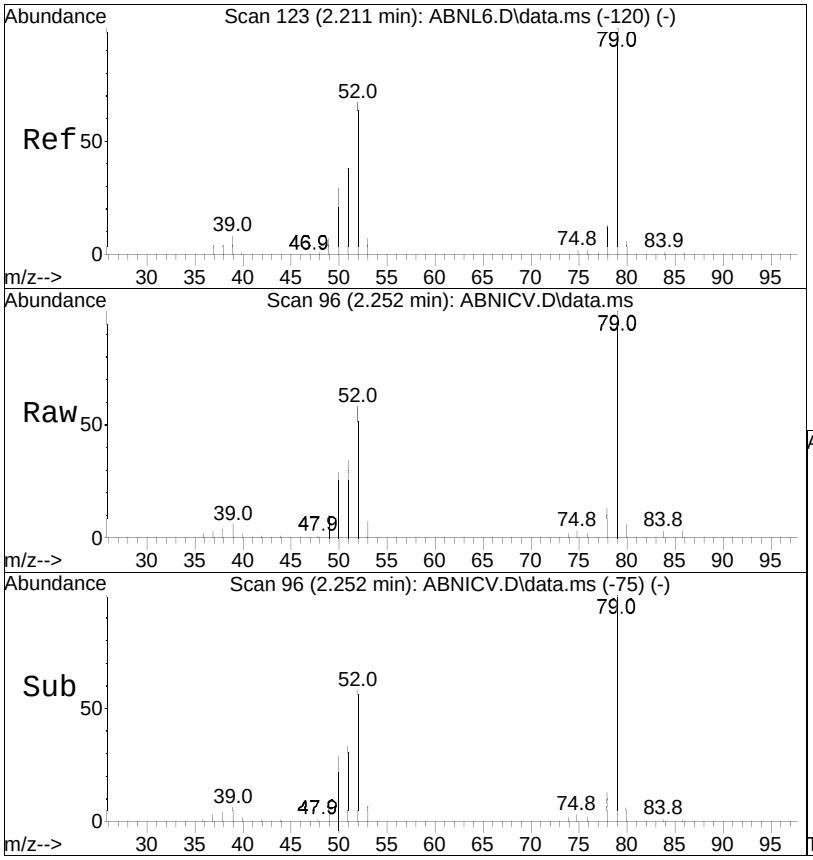


#2
n-Nitrosodimethylamine
Concen: 4.50 ug/ml
RT: 2.205 min Scan# 88
Delta R.T. 0.018 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 74 Resp: 21663

Ion	Ratio	Lower	Upper
74	100		
42	78.2	63.8	95.8
44	0.0	4.3	6.5#

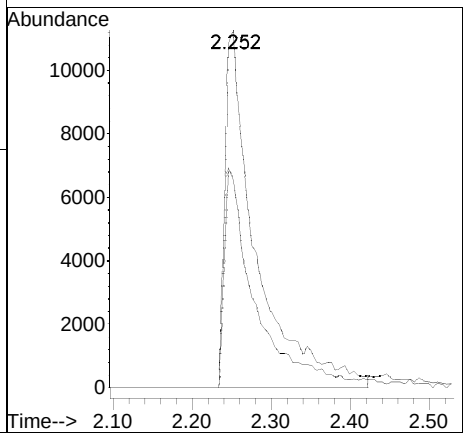


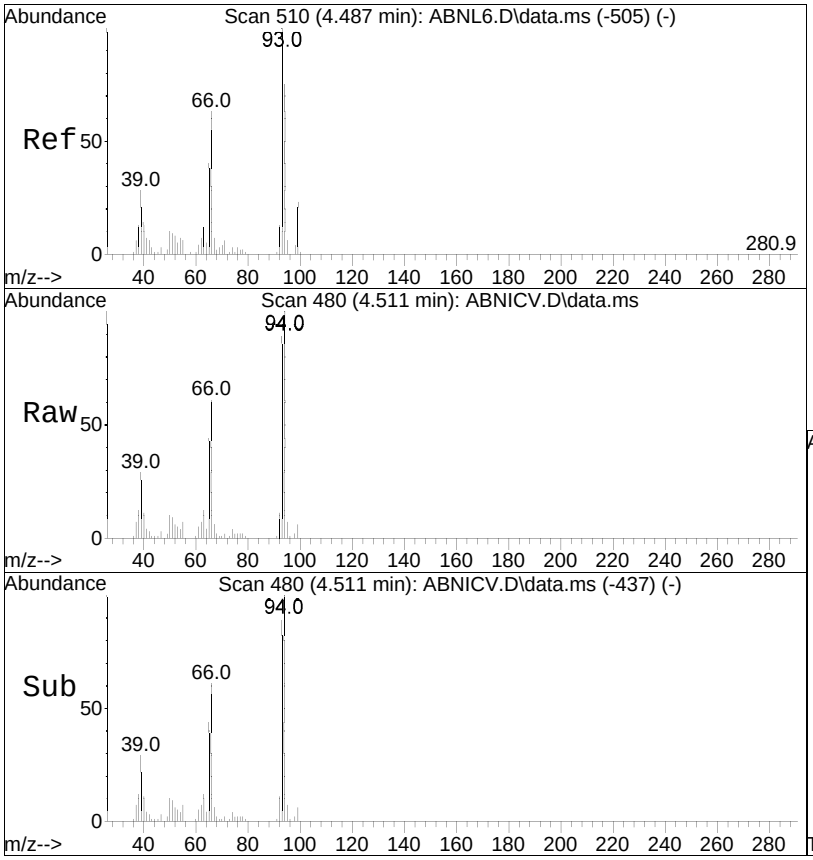


#3
Pyridine
Concen: 4.11 ug/ml M1
RT: 2.252 min Scan# 96
Delta R.T. 0.024 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 79 Resp: 30548

Ion	Ratio	Lower	Upper
79	100		
52	48.8	64.6	96.8#

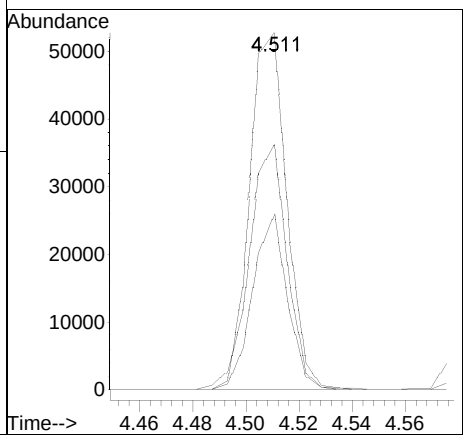


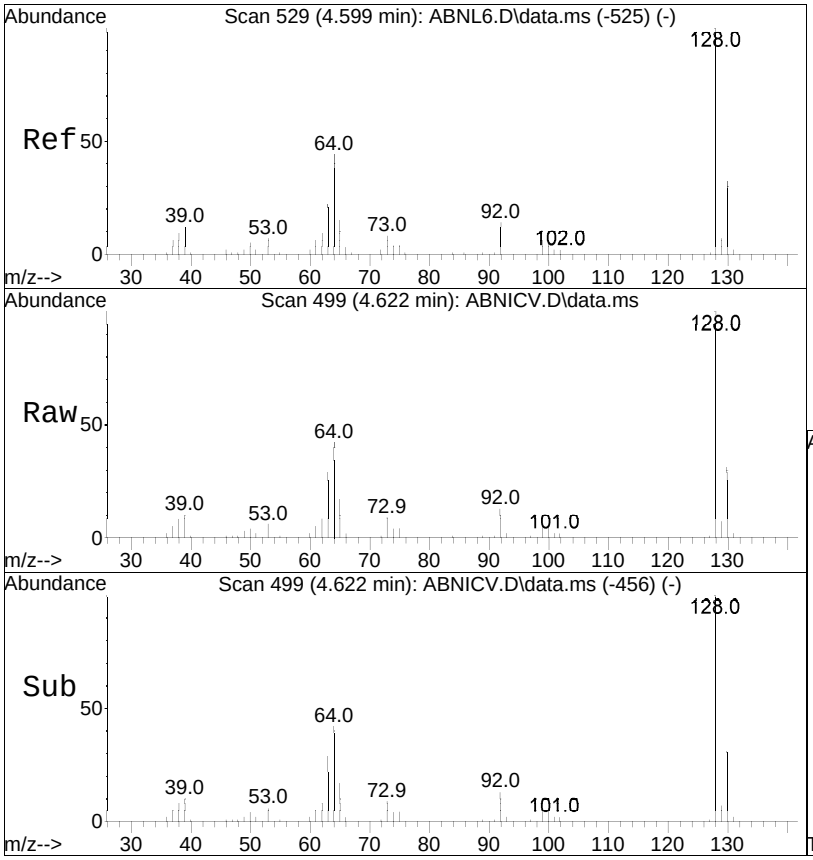


#5
Aniline
Concen: 4.48 ug/ml
RT: 4.511 min Scan# 480
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 93 Resp: 51303

Ion	Ratio	Lower	Upper
93	100		
66	69.9	31.3	46.9#
65	45.9	16.6	25.0#

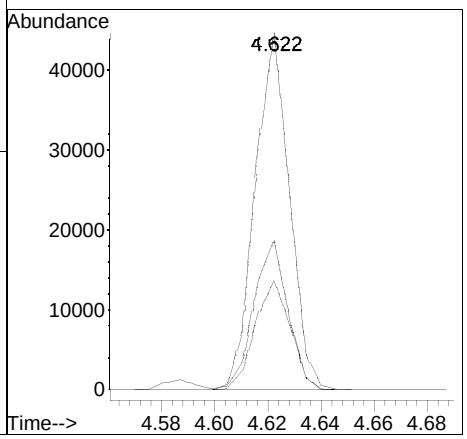


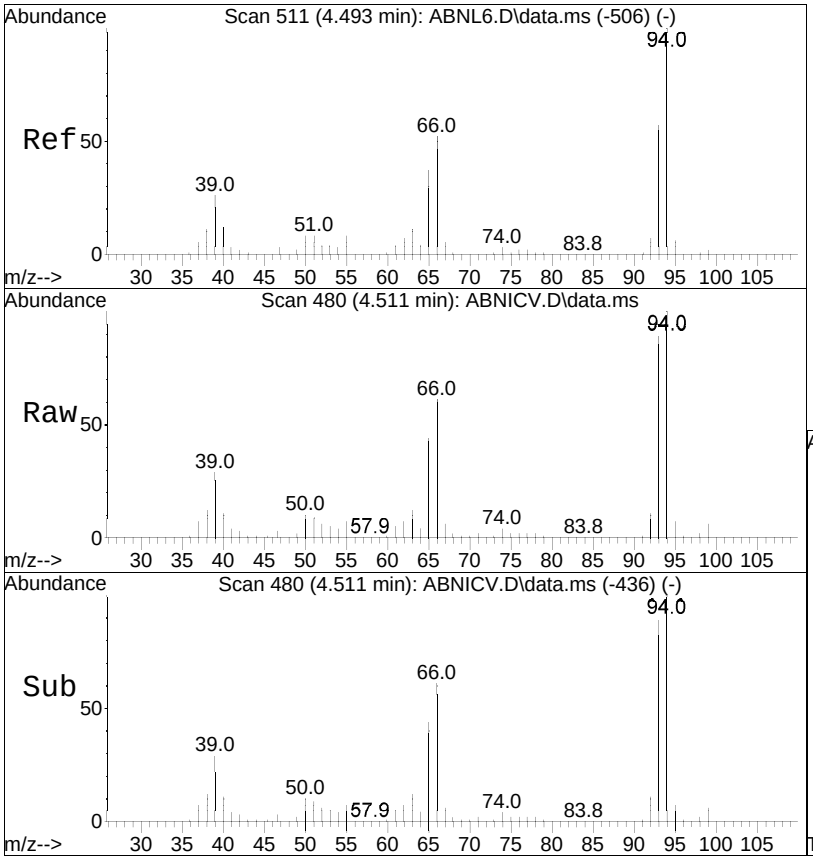


#6
2-Chlorophenol
Concen: 4.83 ug/ml
RT: 4.622 min Scan# 499
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:128 Resp: 39752

Ion	Ratio	Lower	Upper
128	100		
64	41.7	38.2	57.4
130	31.7	26.2	39.2

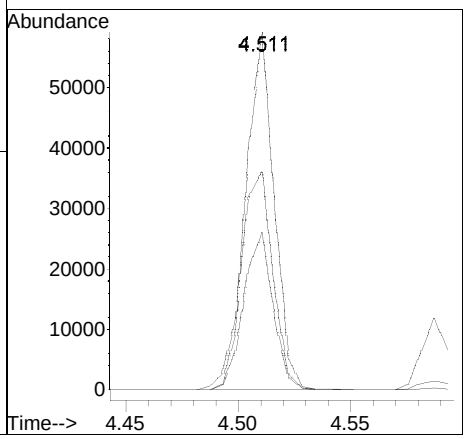


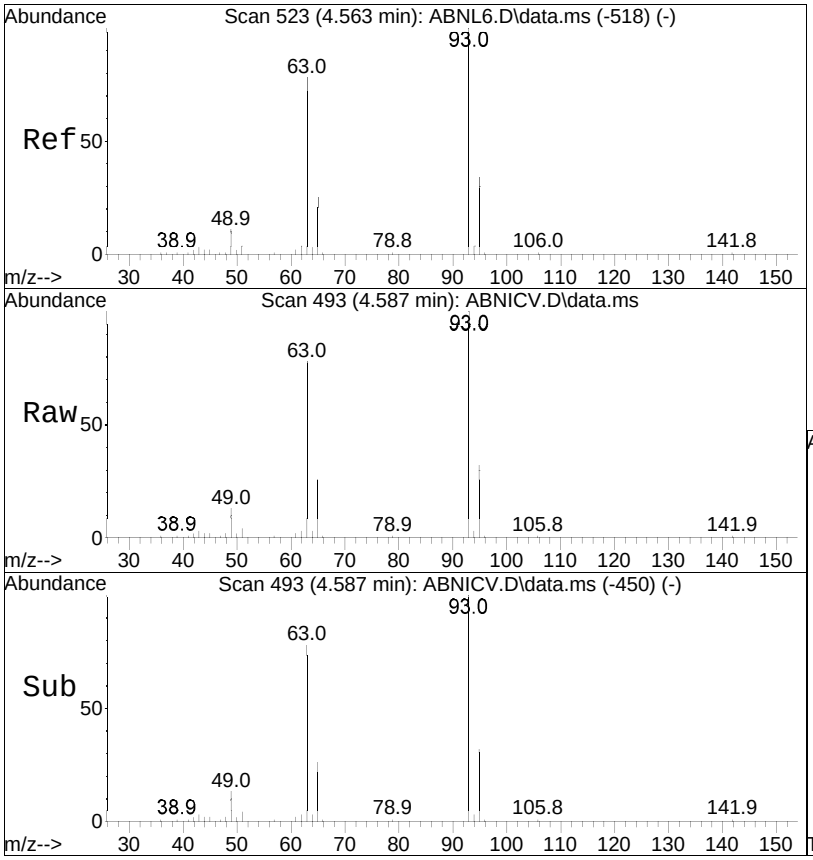


#8
Phenol
Concen: 4.87 ug/ml
RT: 4.511 min Scan# 480
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 94 Resp: 50869

Ion	Ratio	Lower	Upper
94	100		
65	46.3	23.0	34.6#
66	70.5	32.1	48.1#

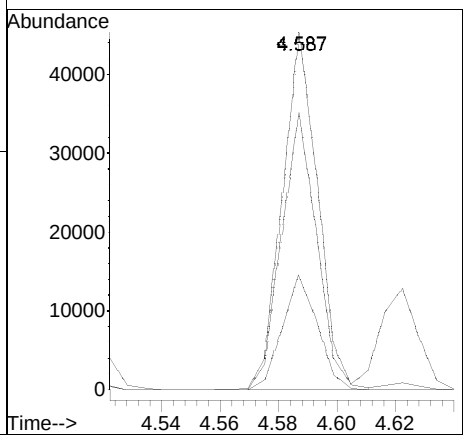


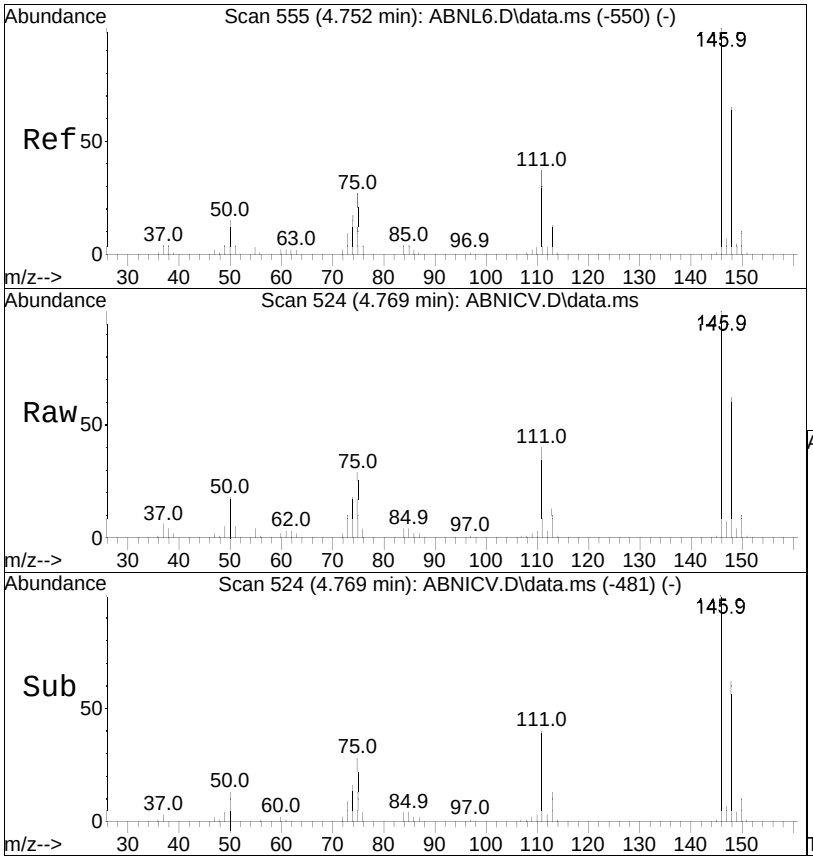


#9
Bis(2-chloroethyl)ether
Concen: 4.77 ug/ml
RT: 4.587 min Scan# 493
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 93 Resp: 37798

Ion	Ratio	Lower	Upper
93	100		
63	77.1	67.0	100.4
95	32.1	26.1	39.1

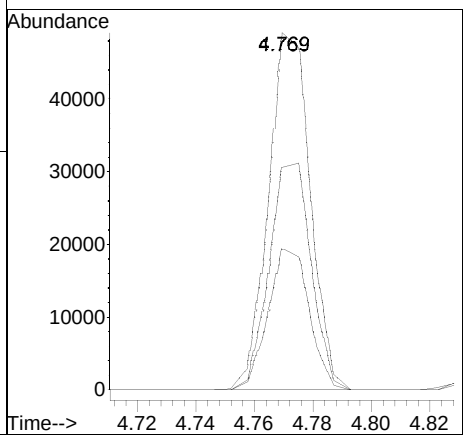


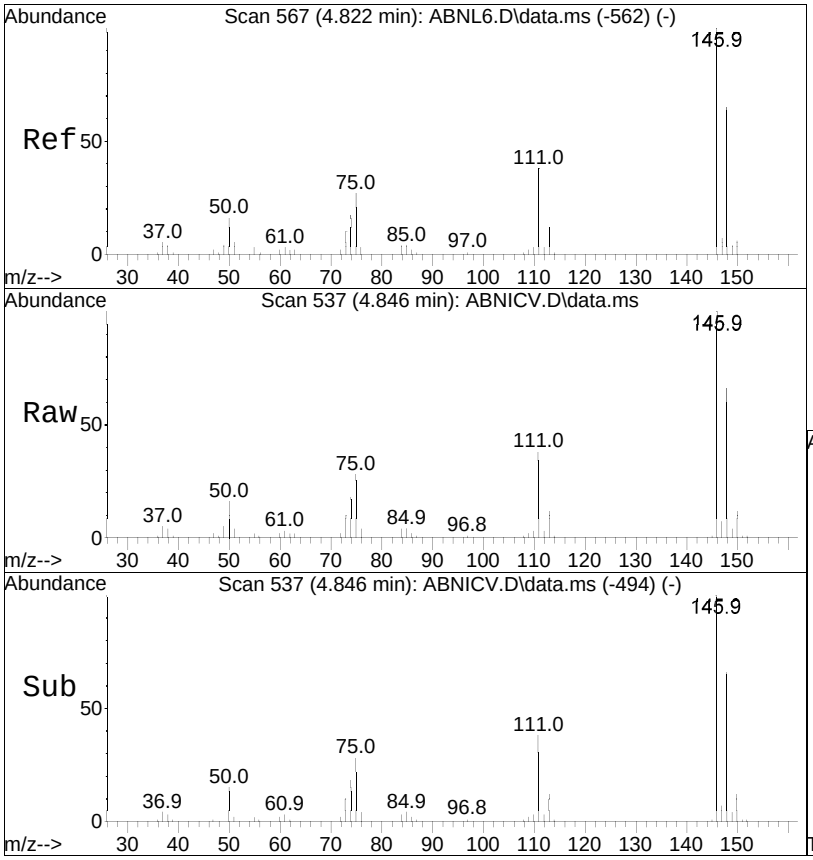


#10
1,3-Dichlorobenzene
Concen: 4.81 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:146 Resp: 48439

Ion	Ratio	Lower	Upper
146	100		
111	39.0	35.0	52.4
148	63.9	51.3	76.9

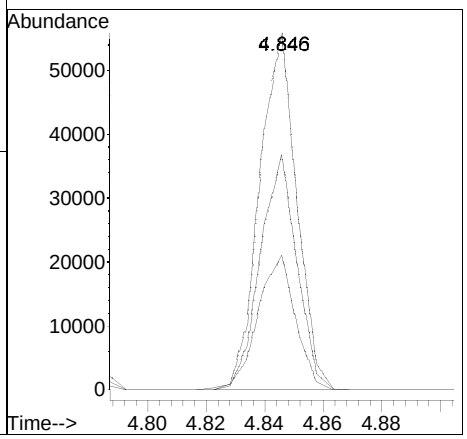


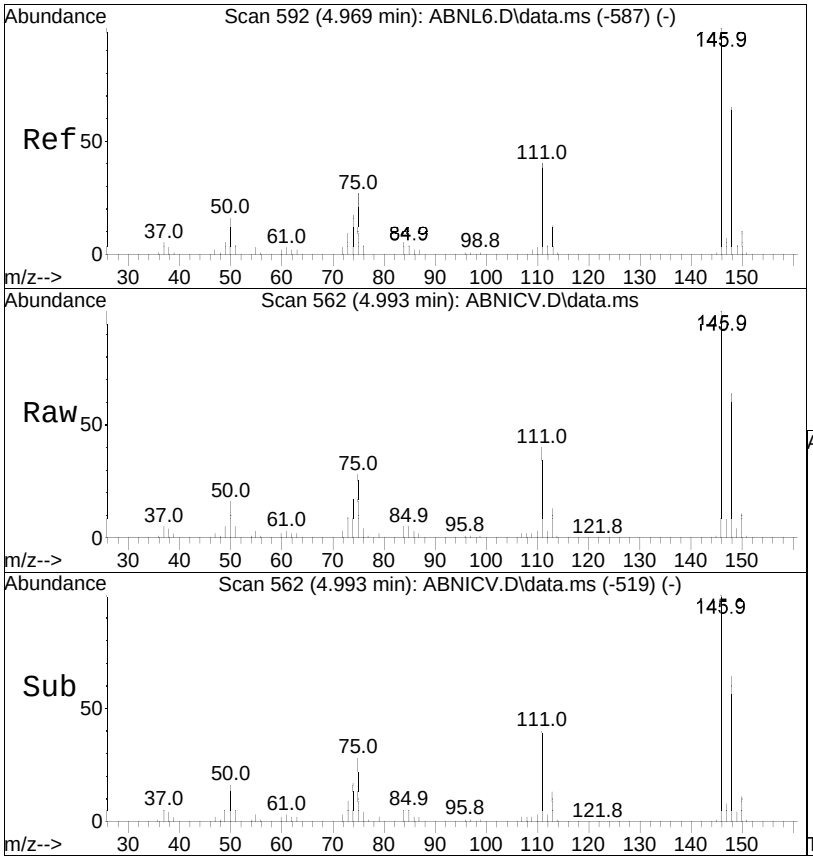


#11
1,4-Dichlorobenzene
Concen: 4.80 ug/ml
RT: 4.846 min Scan# 537
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:146 Resp: 48841

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.1	76.7
111	38.6	34.4	51.6

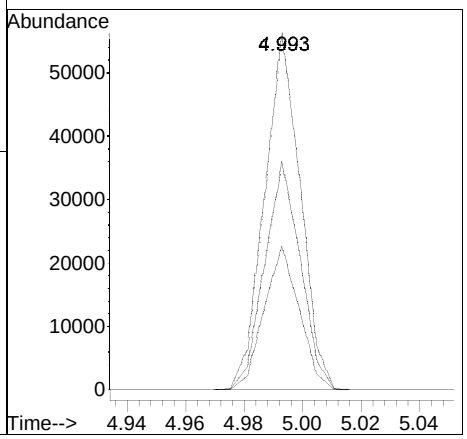


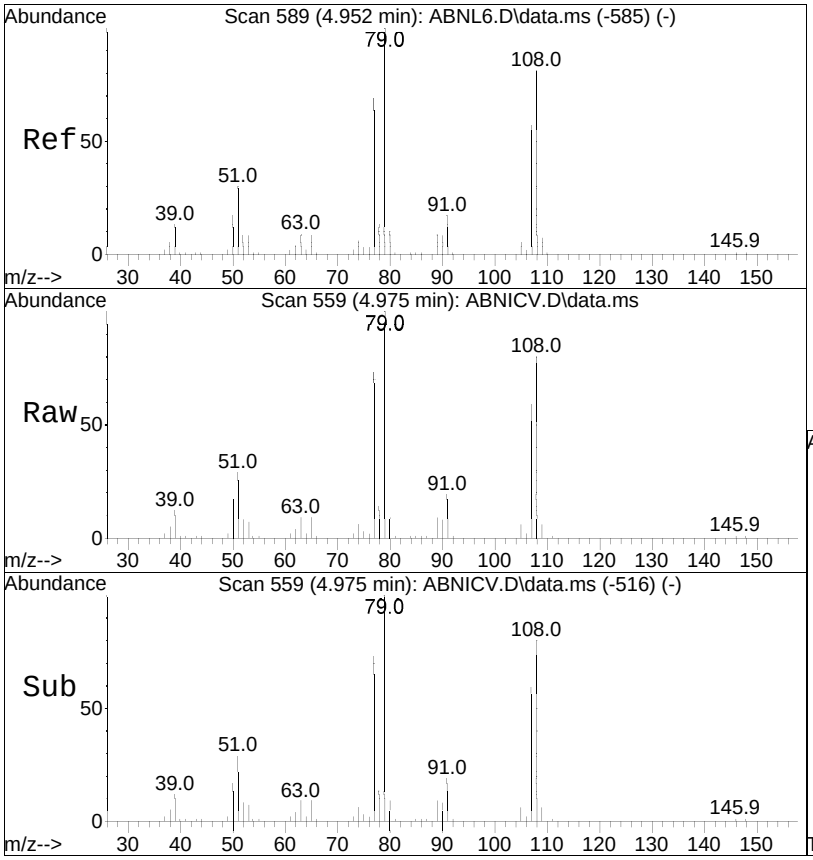


#12
1,2-Dichlorobenzene
Concen: 4.80 ug/ml
RT: 4.993 min Scan# 562
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:146 Resp: 47543

Ion	Ratio	Lower	Upper
146	100		
111	39.9	35.5	53.3
148	64.1	50.6	76.0

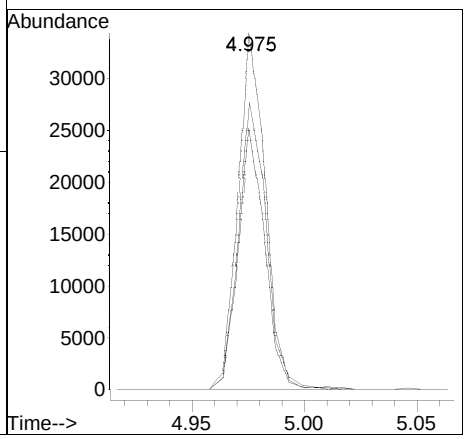


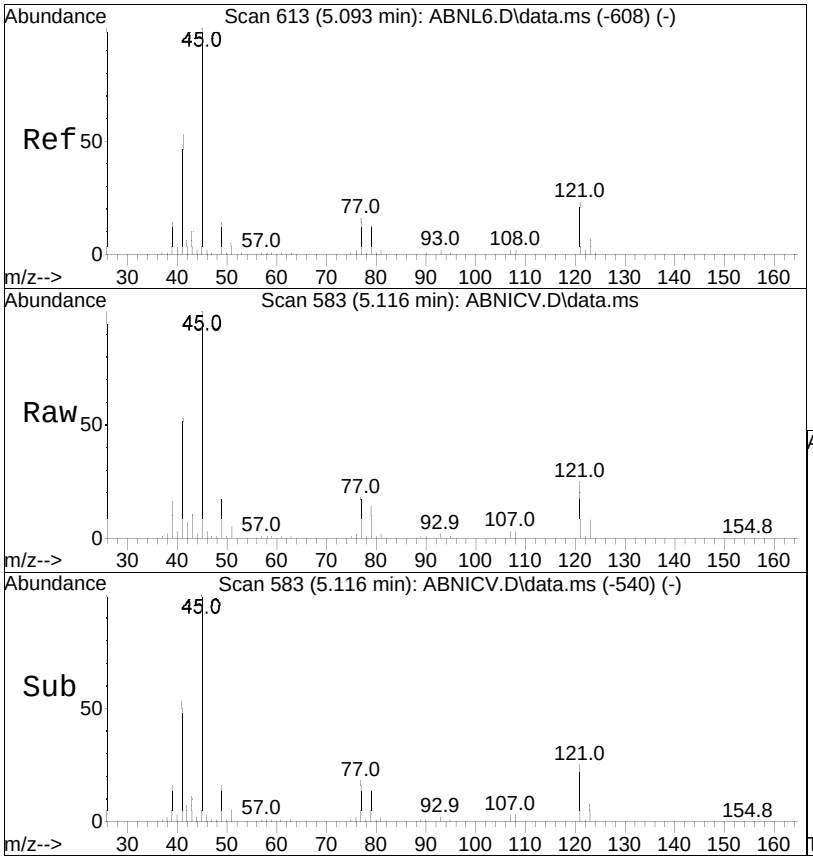


#13
Benzyl alcohol
Concen: 4.51 ug/ml
RT: 4.975 min Scan# 559
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 79 Resp: 29013

Ion	Ratio	Lower	Upper
79	100		
77	71.4	51.8	77.6
108	82.1	63.9	95.9

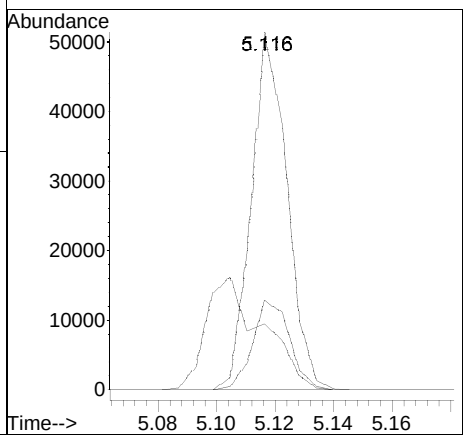


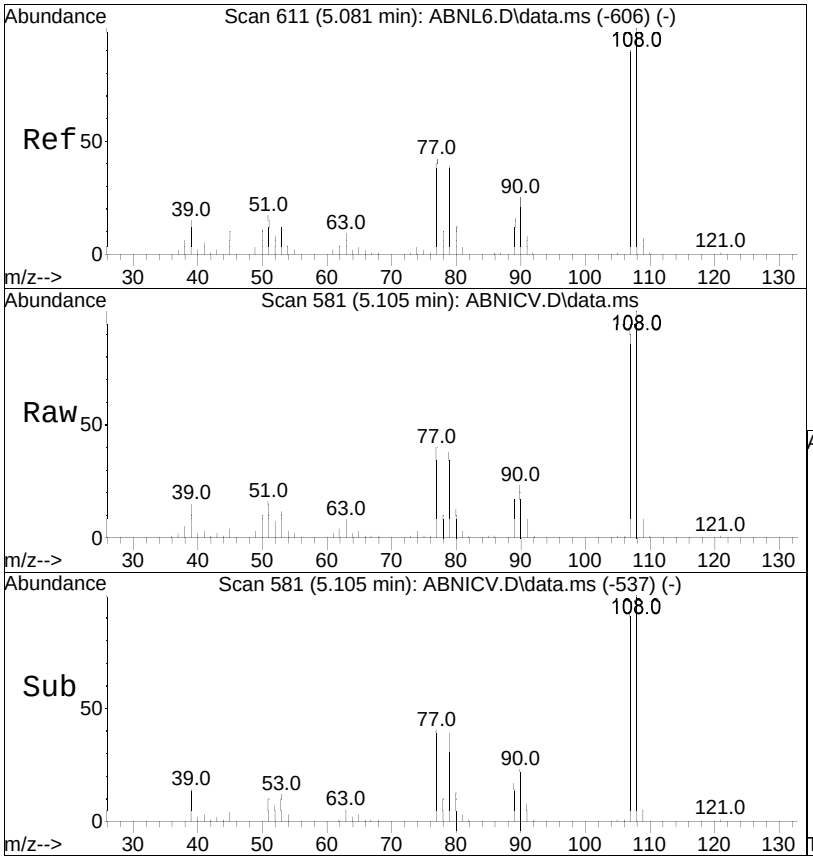


#14
Bis(2-chloroisopropyl)ether
Concen: 4.57 ug/ml
RT: 5.116 min Scan# 583
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 45 Resp: 43157

Ion	Ratio	Lower	Upper
45	100		
121	26.0	14.8	22.2#
77	50.0	10.5	15.7#

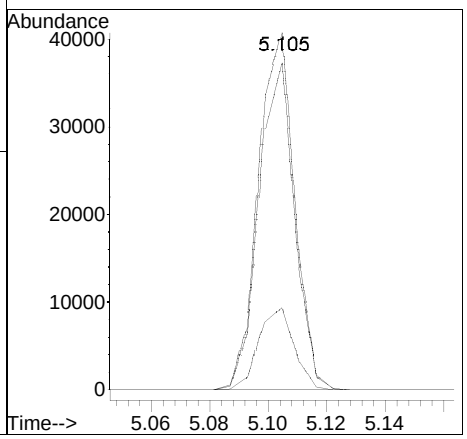


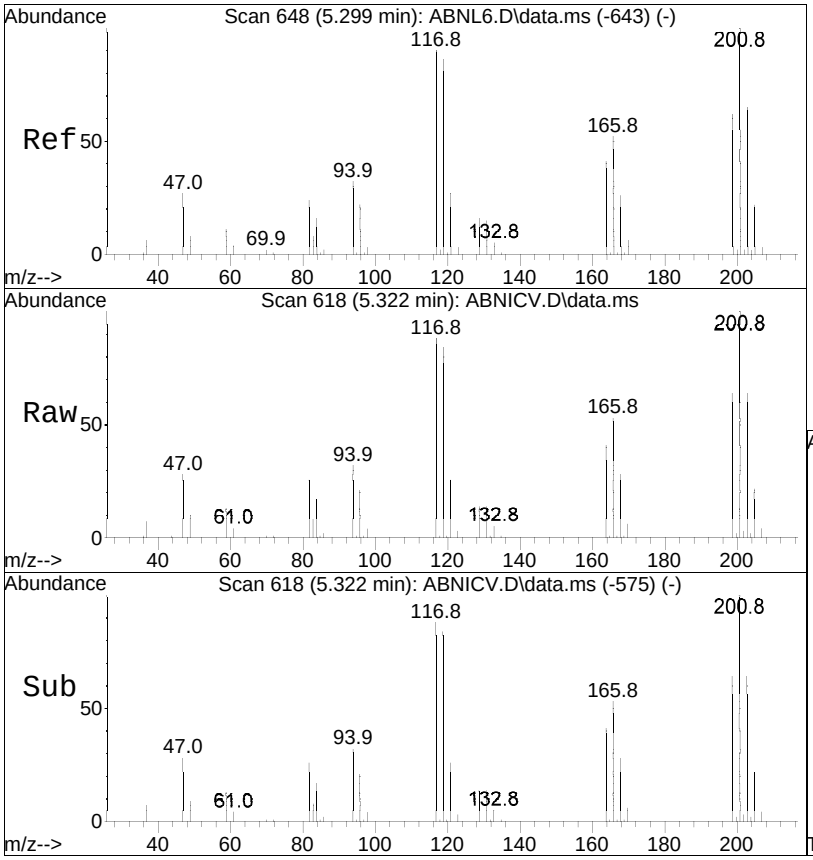


#15
2-Methylphenol
Concen: 4.92 ug/ml
RT: 5.105 min Scan# 581
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:108 Resp: 34706

Ion	Ratio	Lower	Upper
108	100		
107	90.3	71.0	106.4
90	22.6	19.7	29.5

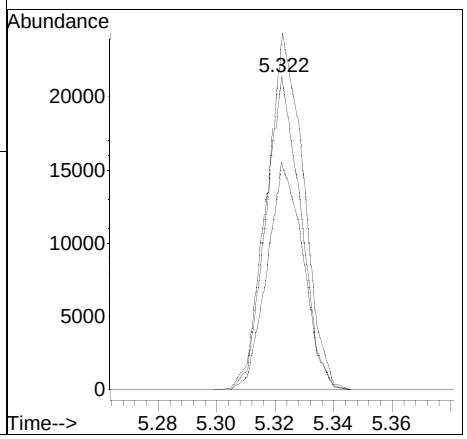


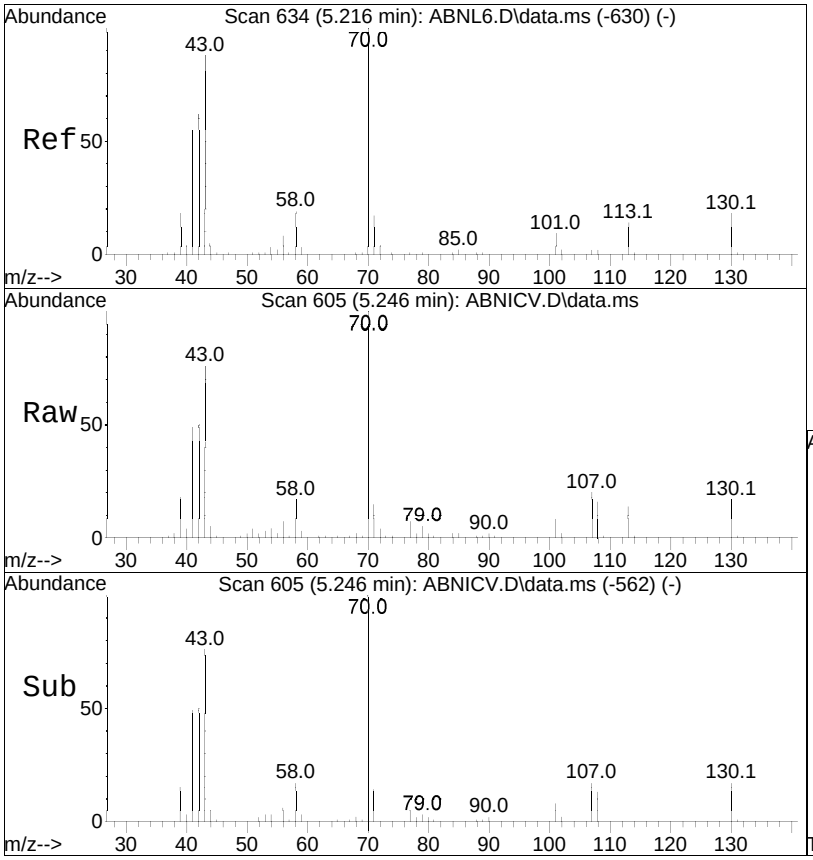


#16
Hexachloroethane
Concen: 4.72 ug/ml
RT: 5.322 min Scan# 618
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:117 Resp: 18161

Ion	Ratio	Lower	Upper
117	100		
201	114.8	64.4	96.6#
199	73.1	40.5	60.7#

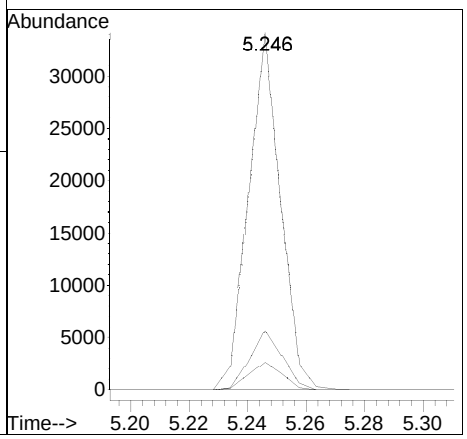


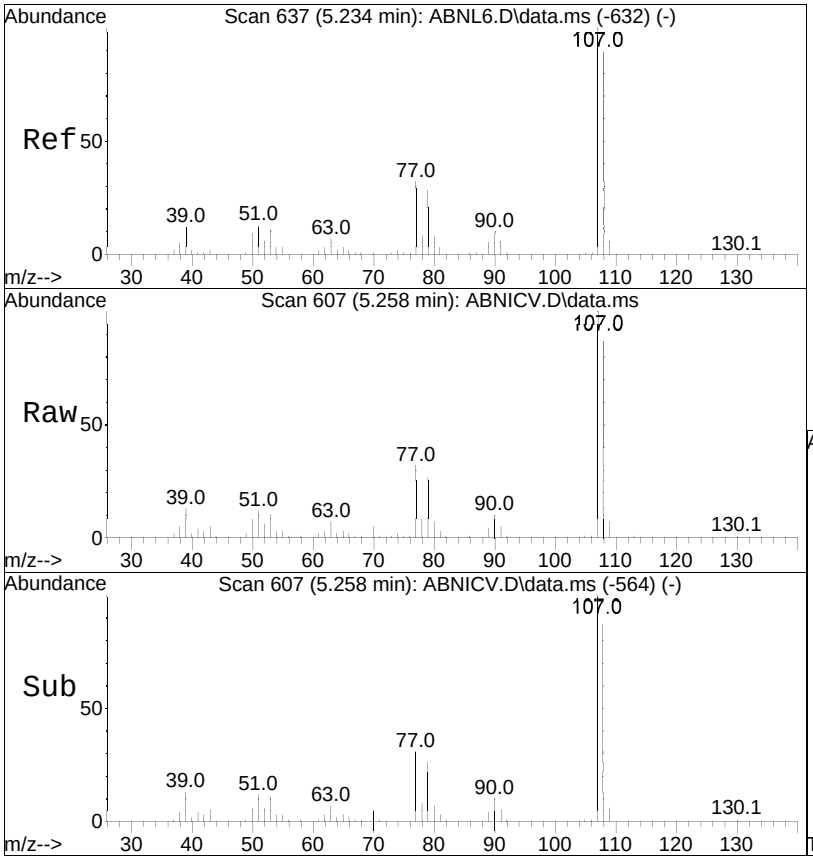


#17
n-Nitrosodi-n-propylamine
Concen: 4.44 ug/ml
RT: 5.246 min Scan# 605
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 70 Resp: 25800

Ion	Ratio	Lower	Upper
70	100		
130	16.9	16.2	24.4
101	8.1	7.6	11.4

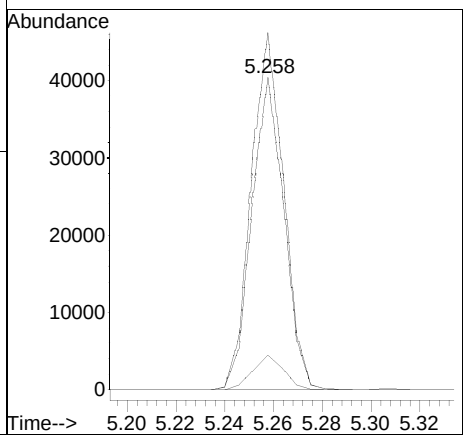


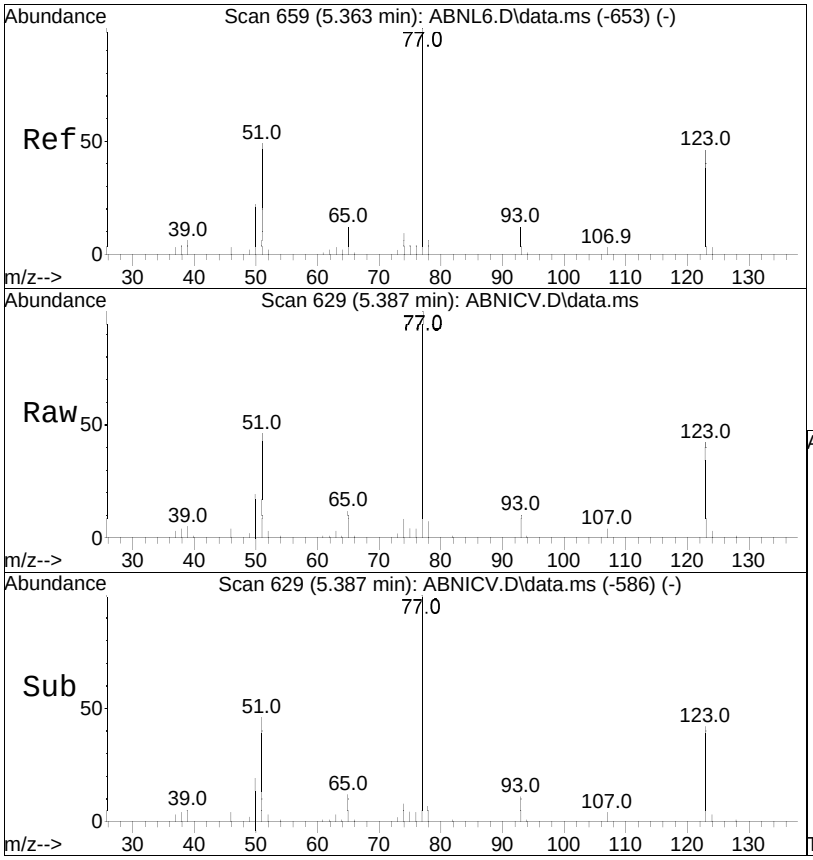


#18
3-Methylphenol/4-Methylphenol
Concen: 4.83 ug/ml
RT: 5.258 min Scan# 607
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:108 Resp: 37063

Ion	Ratio	Lower	Upper
108	100		
107	115.2	88.8	133.2
90	10.8	9.0	13.6

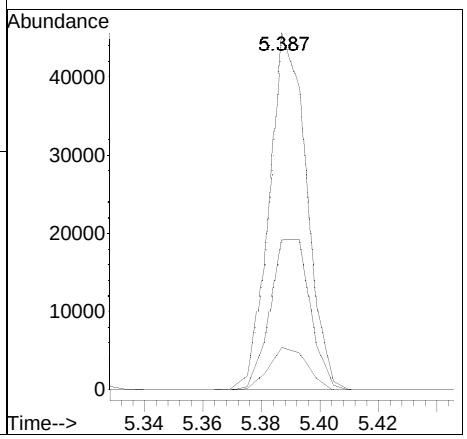


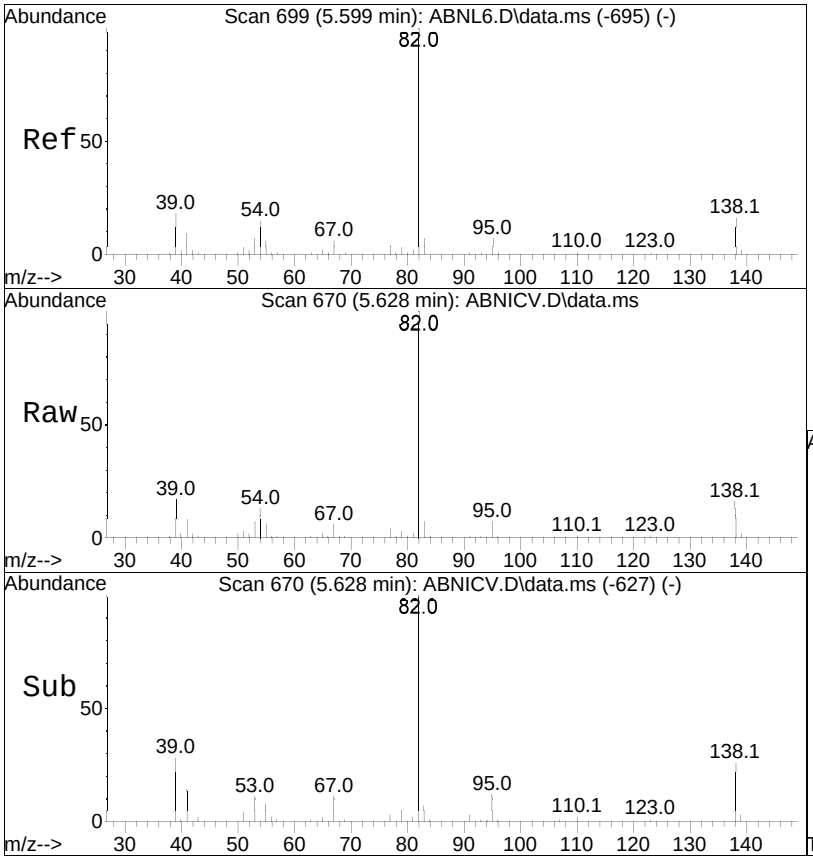


#20
Nitrobenzene
Concen: 4.68 ug/ml
RT: 5.387 min Scan# 629
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 77 Resp: 40081

Ion	Ratio	Lower	Upper
77	100		
123	45.4	37.3	55.9
65	12.3	10.9	16.3

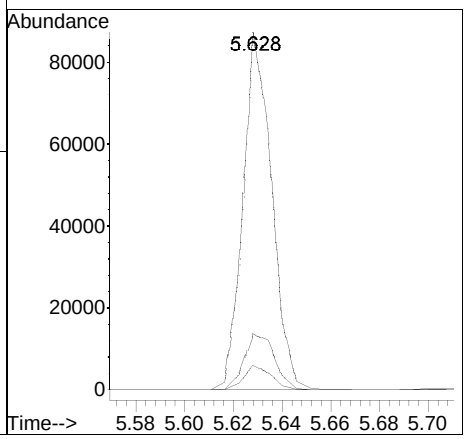


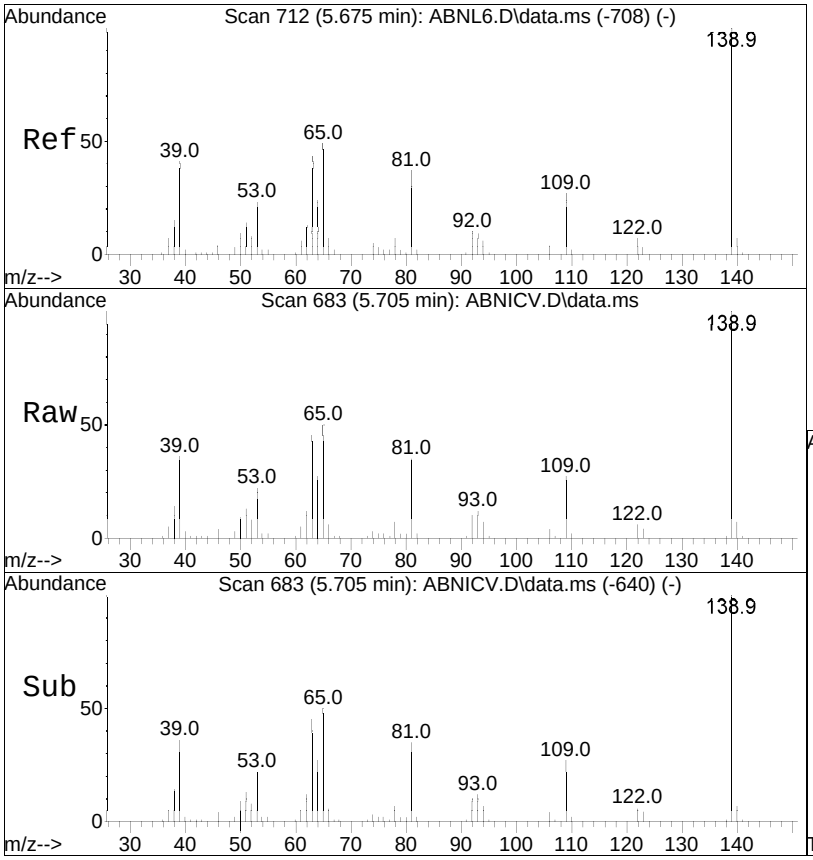


#21
Isophorone
Concen: 4.63 ug/ml
RT: 5.628 min Scan# 670
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 82 Resp: 70550

Ion	Ratio	Lower	Upper
82	100		
138	16.7	13.0	19.4
95	6.7	5.5	8.3

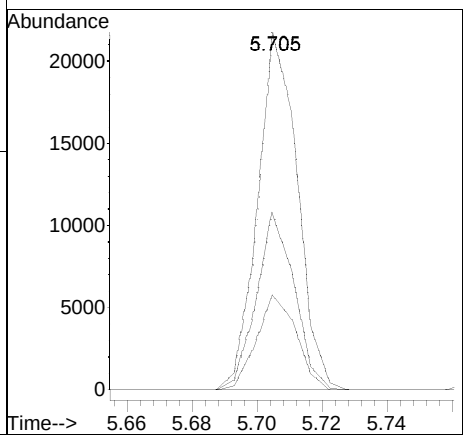


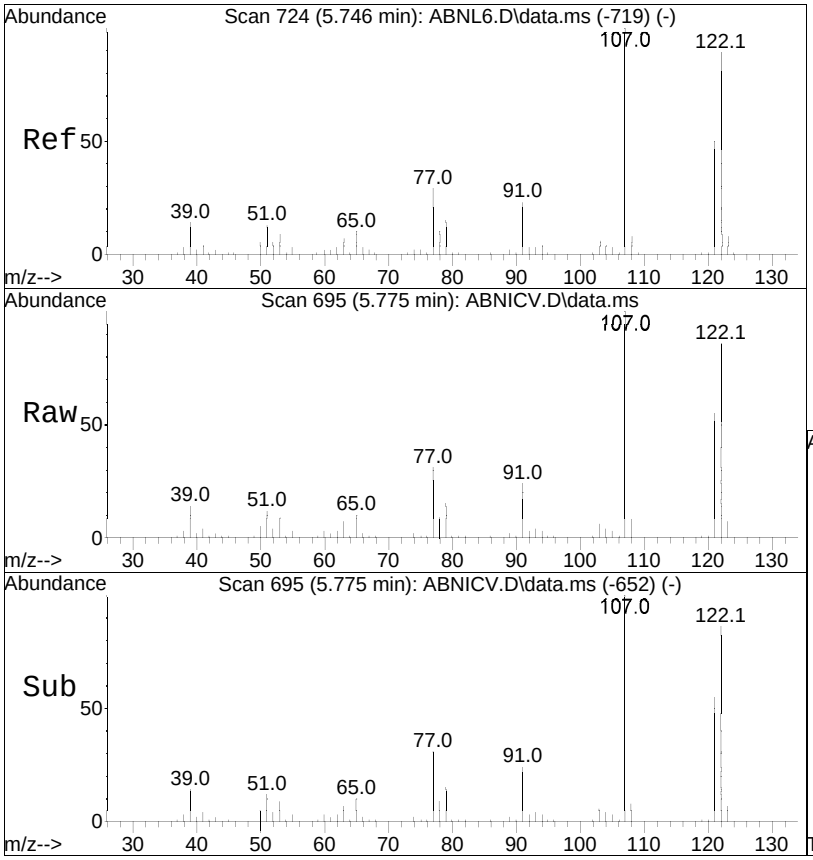


#22
2-Nitrophenol
Concen: 4.57 ug/ml
RT: 5.705 min Scan# 683
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:139 Resp: 18271

Ion	Ratio	Lower	Upper
139	100		
109	26.7	23.1	34.7
65	47.7	41.4	62.2

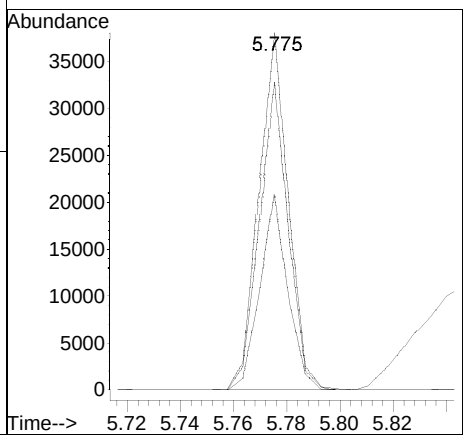


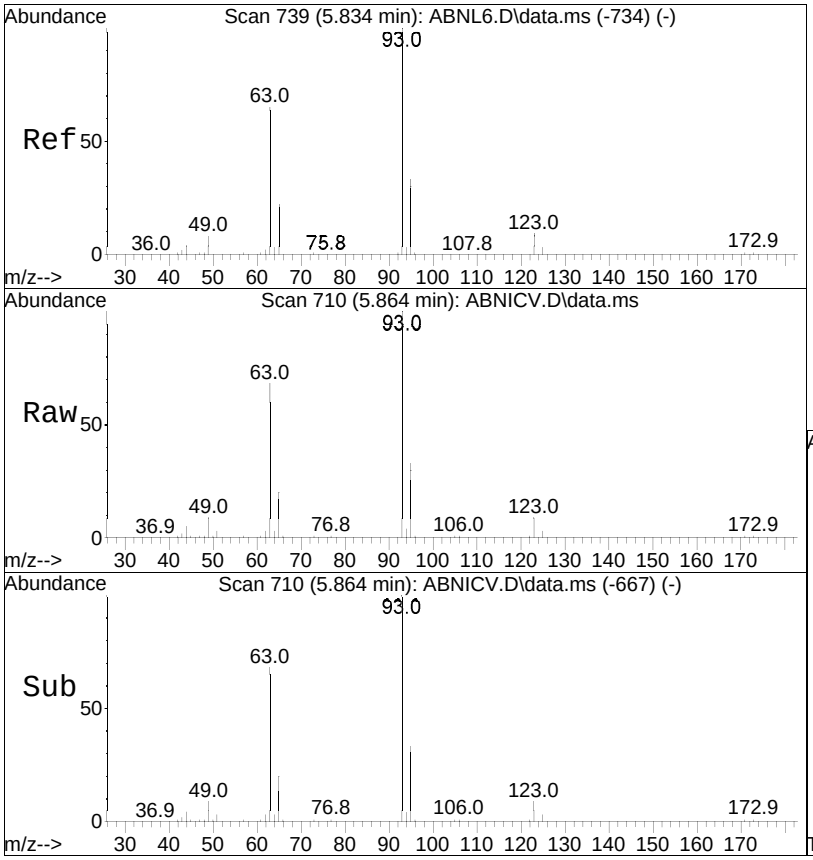


#23
2,4-Dimethylphenol
Concen: 4.08 ug/ml
RT: 5.775 min Scan# 695
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:107 Resp: 29172

Ion	Ratio	Lower	Upper
107	100		
121	51.8	41.3	61.9
122	84.3	69.3	103.9

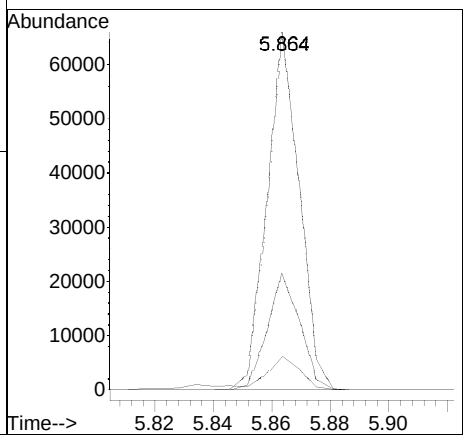


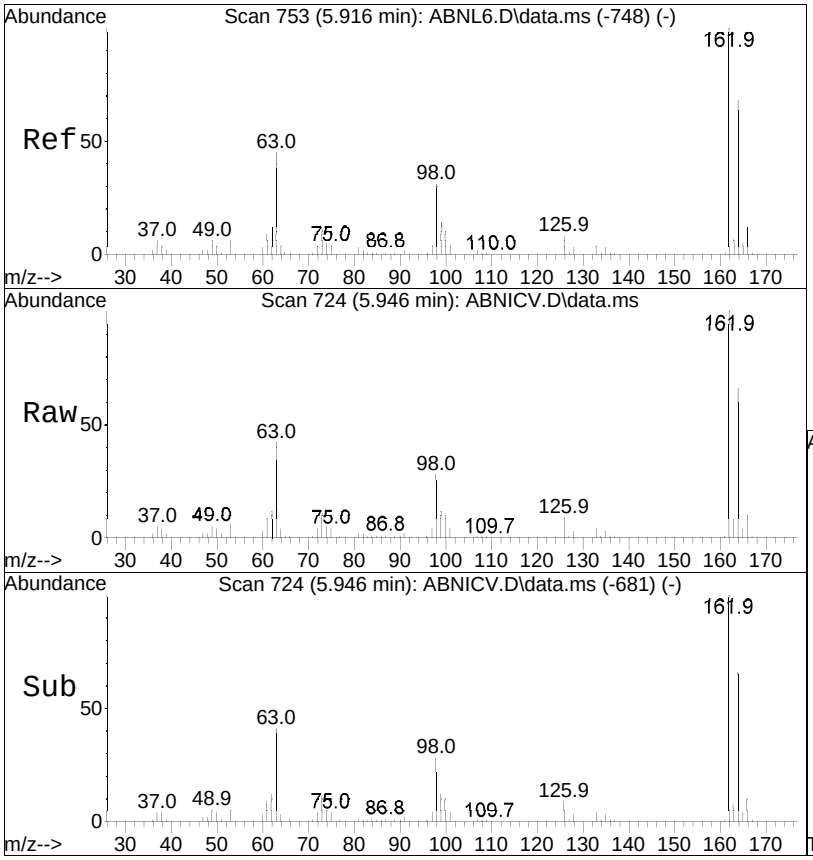


#24
Bis(2-chloroethoxy)methane
Concen: 4.75 ug/ml
RT: 5.864 min Scan# 710
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 93 Resp: 49913

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	9.4	9.6	14.4#

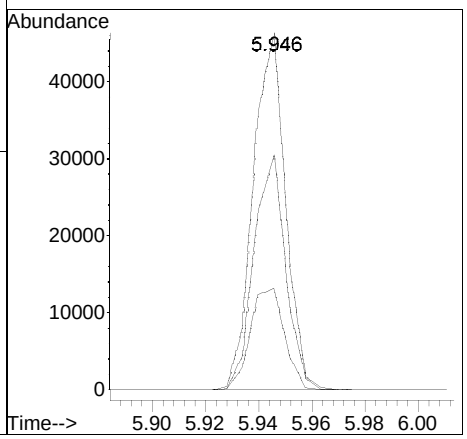


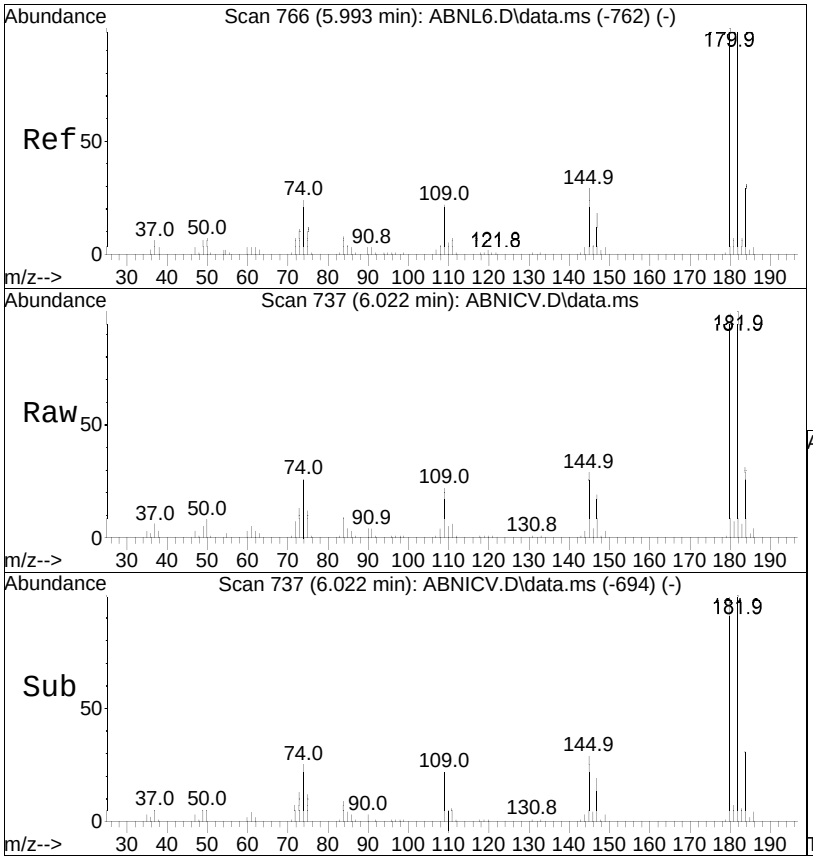


#25
2,4-Dichlorophenol
Concen: 4.93 ug/ml
RT: 5.946 min Scan# 724
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:162 Resp: 38623

Ion	Ratio	Lower	Upper
162	100		
164	64.7	51.1	76.7
98	30.5	32.2	48.2#

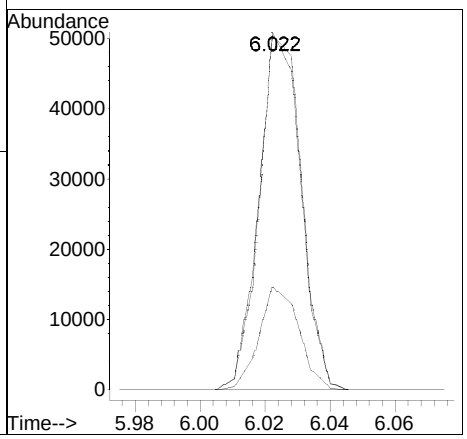


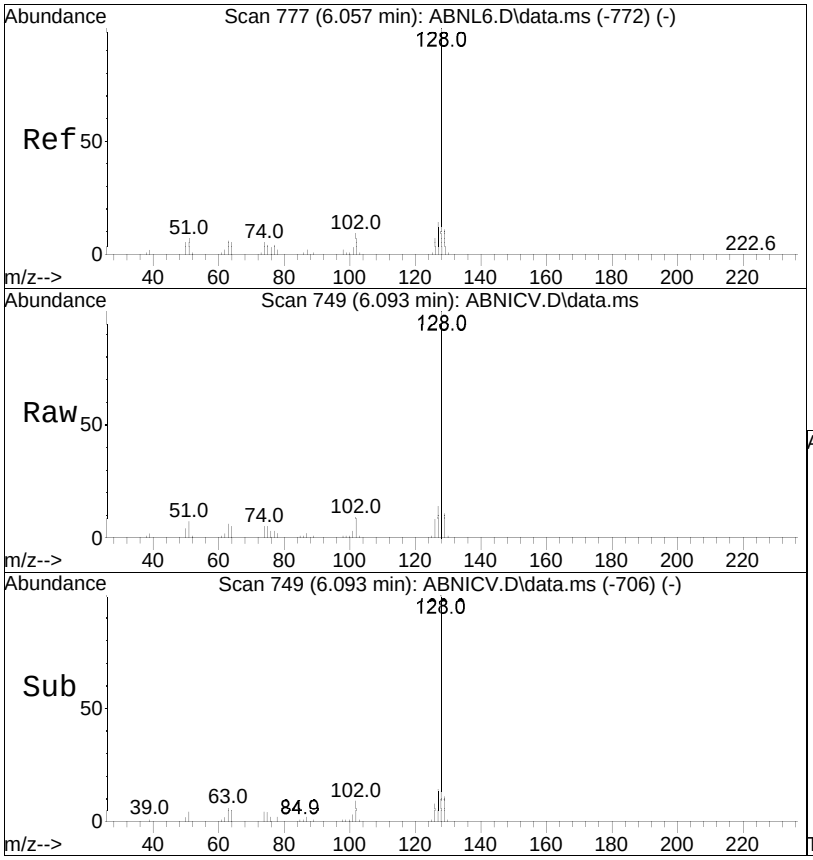


#26
1,2,4-Trichlorobenzene
Concen: 4.74 ug/ml
RT: 6.022 min Scan# 737
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:180 Resp: 45739

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
145	27.2	26.3	39.5

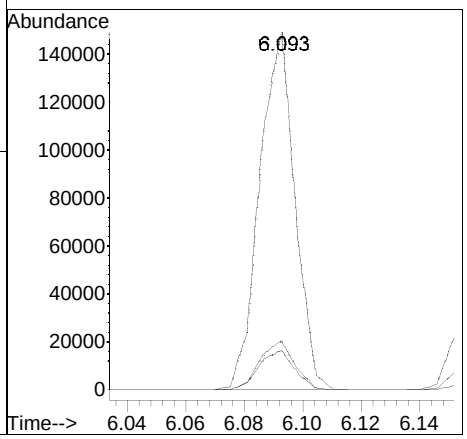


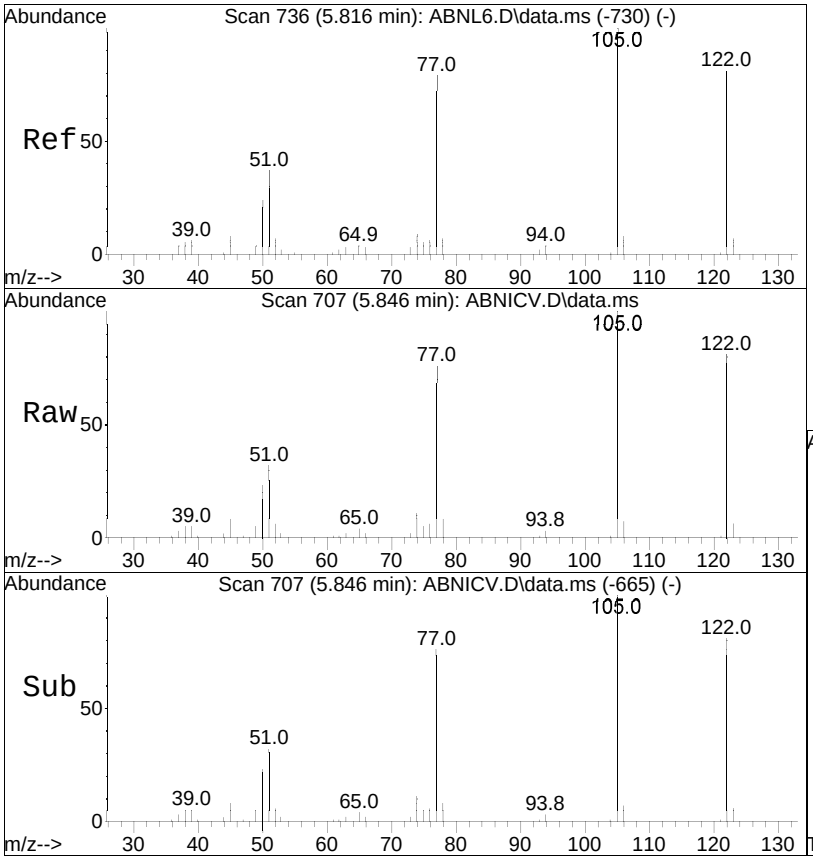


#36
Naphthalene
Concen: 4.84 ug/ml
RT: 6.093 min Scan# 749
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:128 Resp: 123416

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

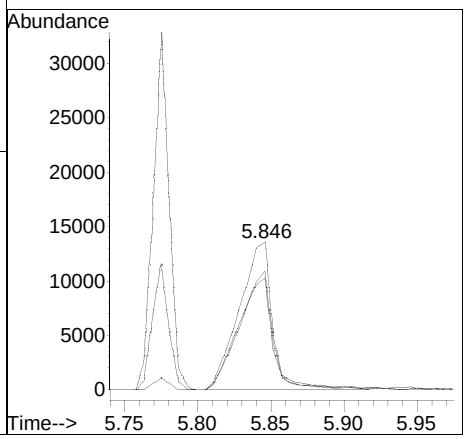


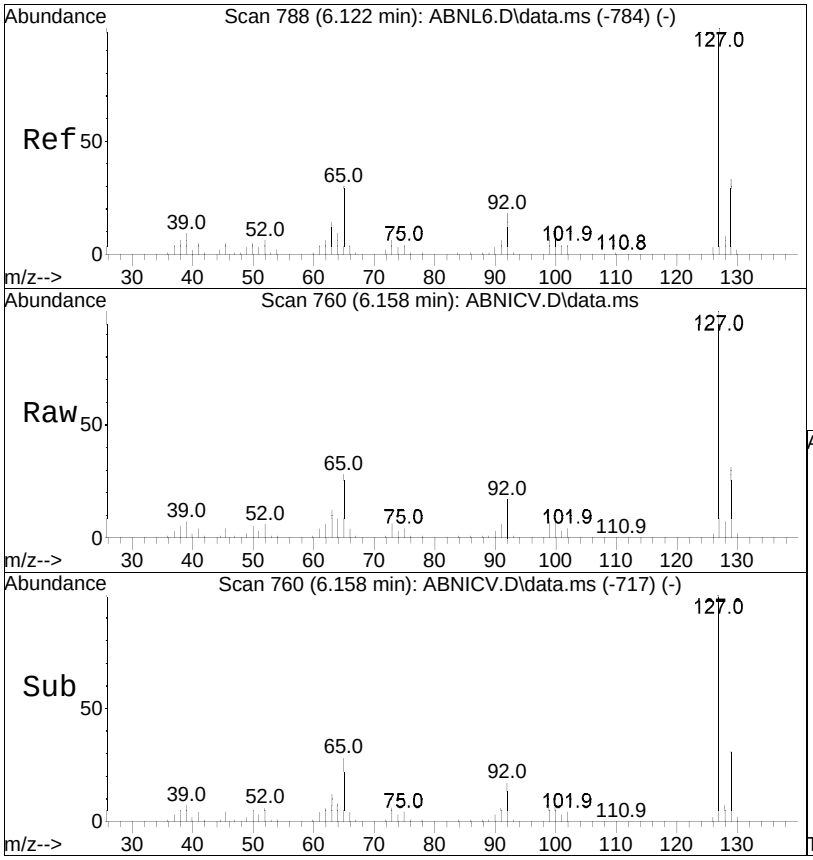


#37
Benzoic Acid
Concen: 3.63 ug/ml
RT: 5.846 min Scan# 707
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:105 Resp: 21949

Ion	Ratio	Lower	Upper
105	100		
122	79.9	62.6	93.8
77	76.6	59.1	88.7

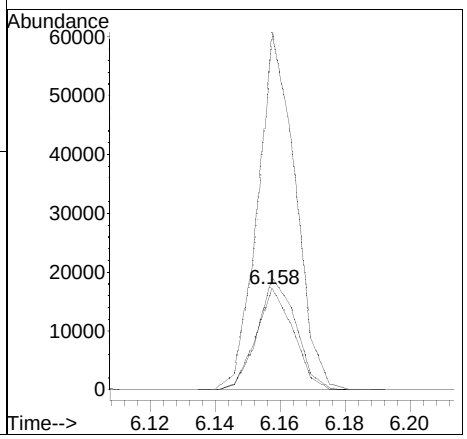


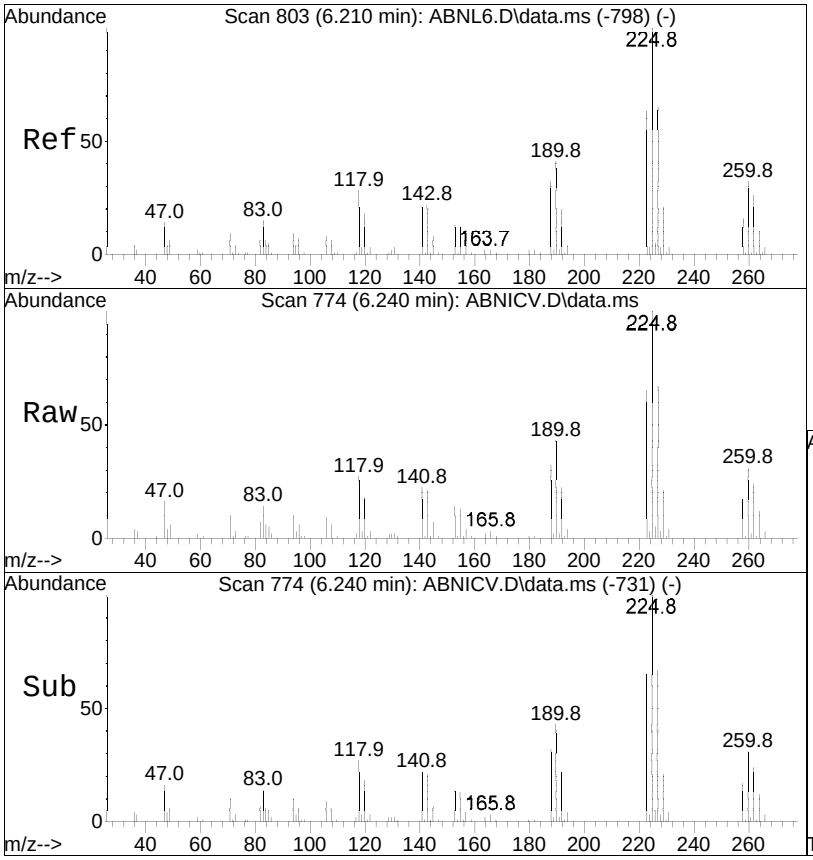


#38
4-Chloroaniline
Concen: 4.61 ug/ml
RT: 6.158 min Scan# 760
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 65 Resp: 13800

Ion	Ratio	Lower	Upper
65	100		
127	351.5	266.2	399.4
129	112.2	85.0	127.4

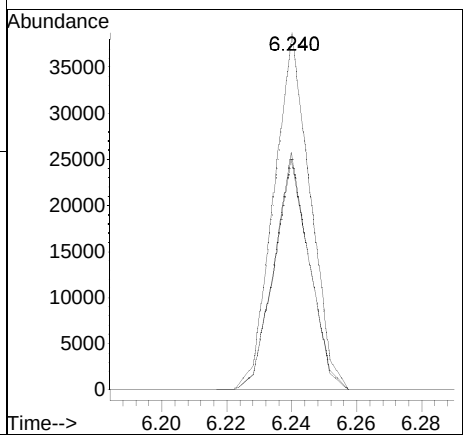


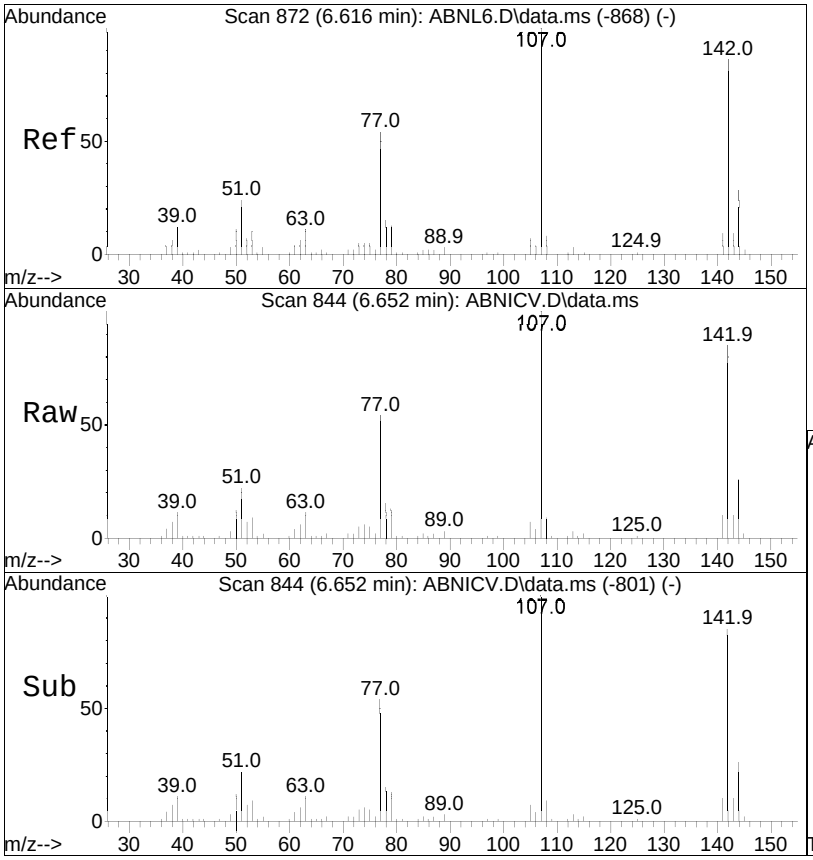


#39
Hexachlorobutadiene
Concen: 4.77 ug/ml
RT: 6.240 min Scan# 774
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:225 Resp: 30018

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.5	75.7
227	64.4	50.4	75.6

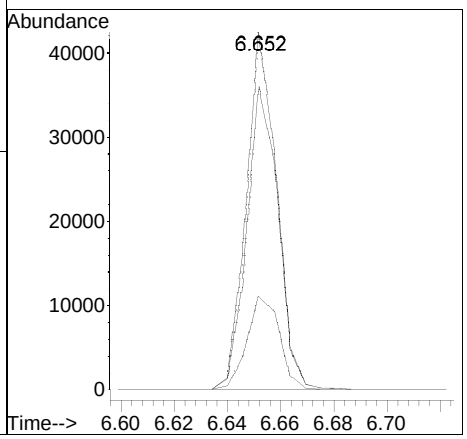


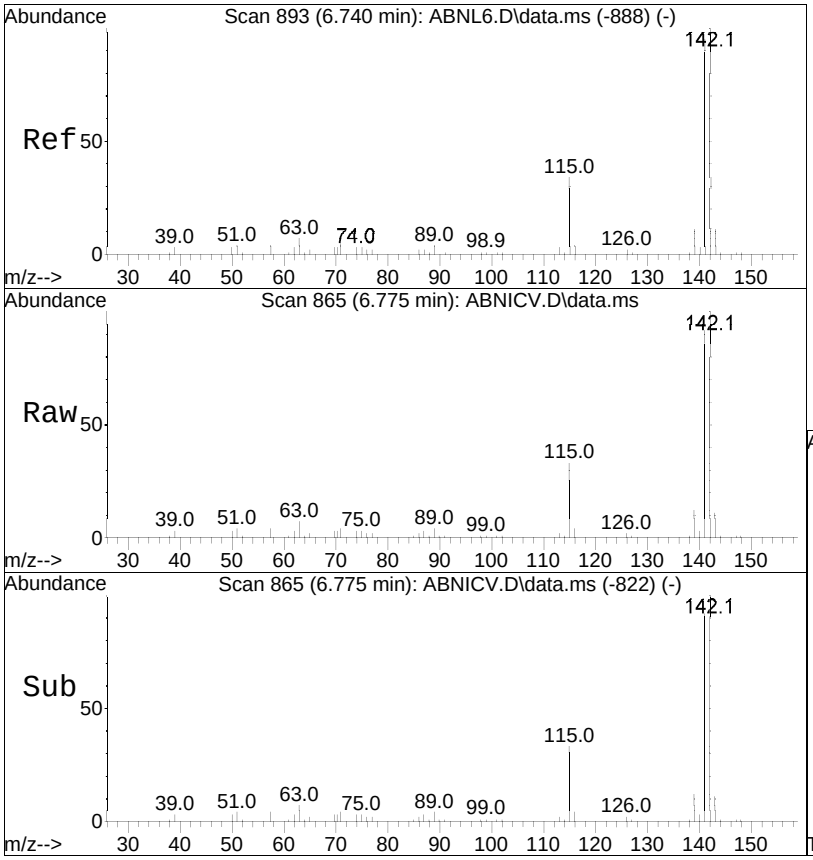


#40
p-Chloro-m-cresol
Concen: 4.82 ug/ml
RT: 6.652 min Scan# 844
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:107 Resp: 33283

Ion	Ratio	Lower	Upper
107	100		
144	28.1	20.3	30.5
142	87.7	63.8	95.6

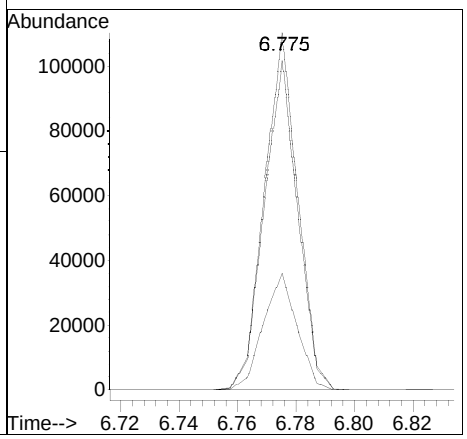


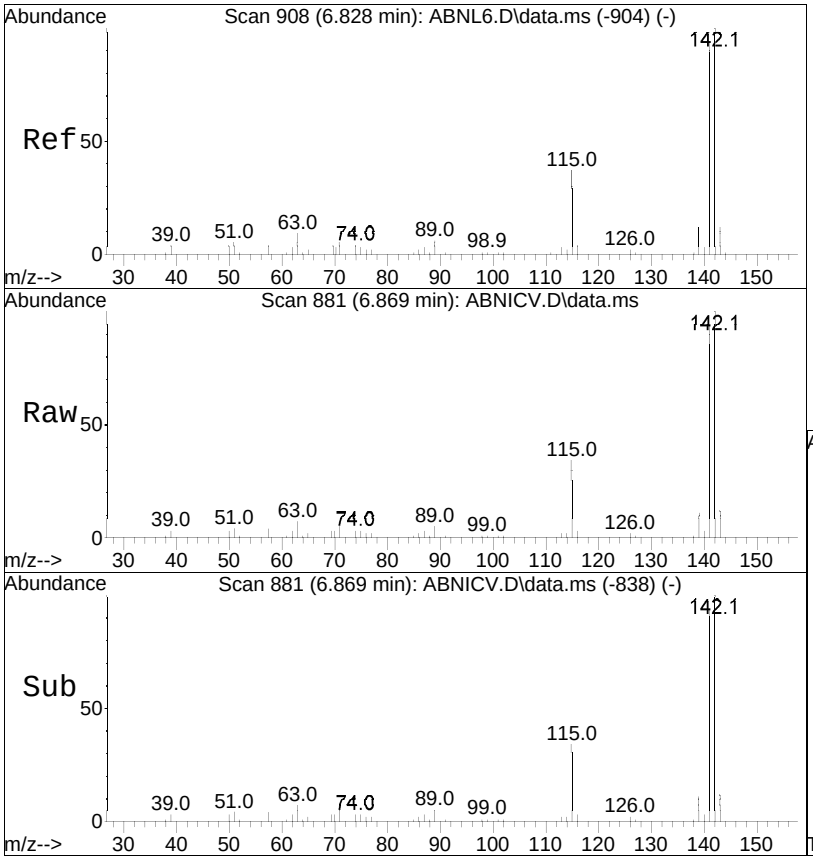


#41
2-Methylnaphthalene
Concen: 4.94 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:142 Resp: 87244

Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.2	108.4
115	33.0	27.8	41.6

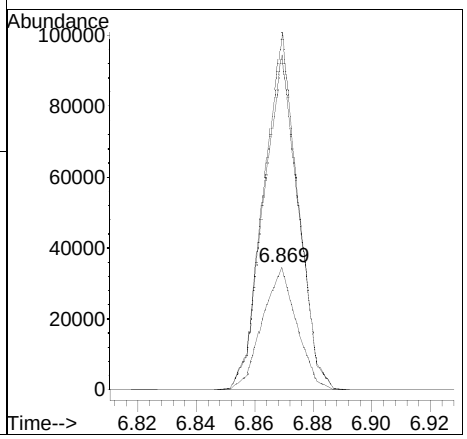


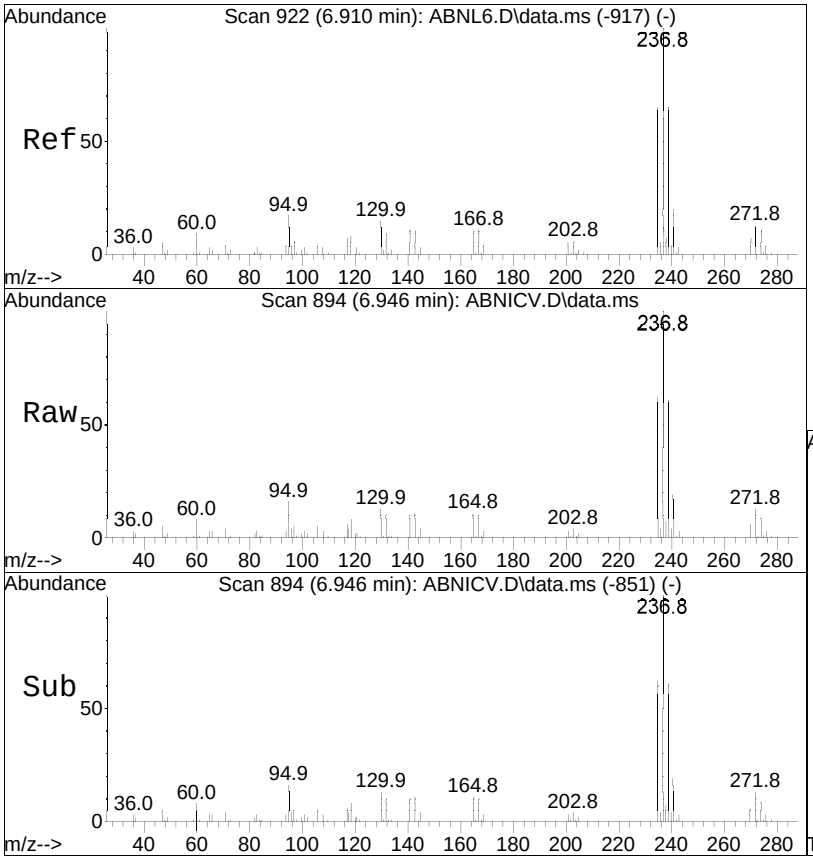


#42
1-Methylnaphthalene
Concen: 4.71 ug/ml
RT: 6.869 min Scan# 881
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:115 Resp: 28014

Ion	Ratio	Lower	Upper
115	100		
141	274.1	205.4	308.2
142	287.4	220.2	330.4

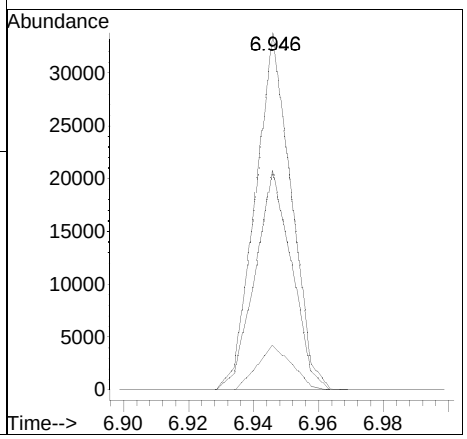


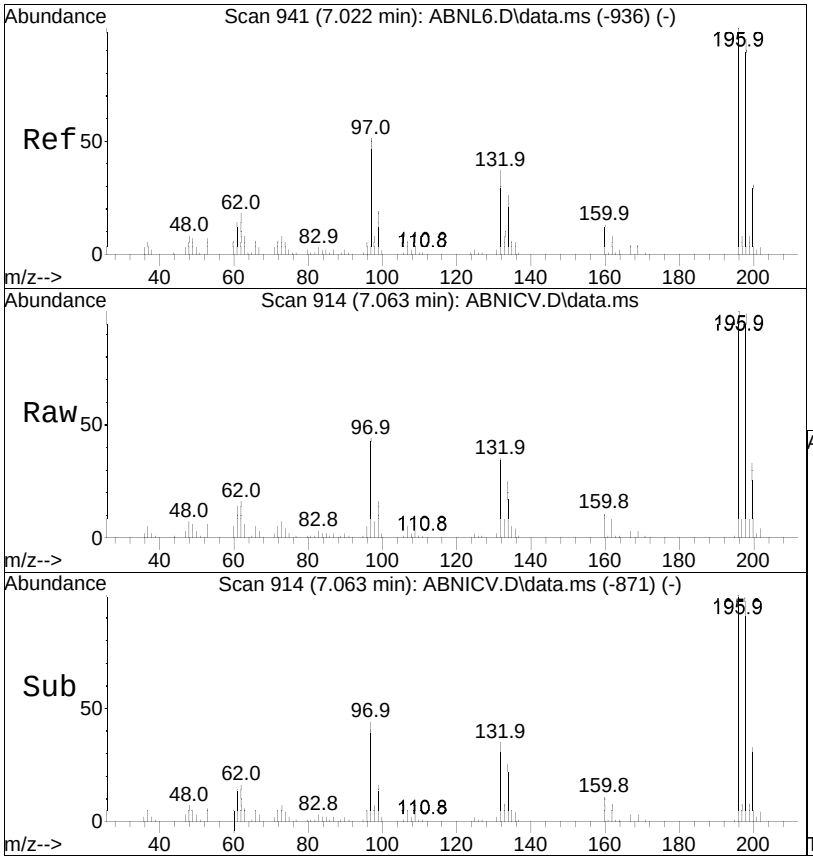


#43
Hexachlorocyclopentadiene
Concen: 3.94 ug/ml
RT: 6.946 min Scan# 894
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:237 Resp: 25796

Ion	Ratio	Lower	Upper
237	100		
235	63.1	50.9	76.3
272	12.3	10.1	15.1

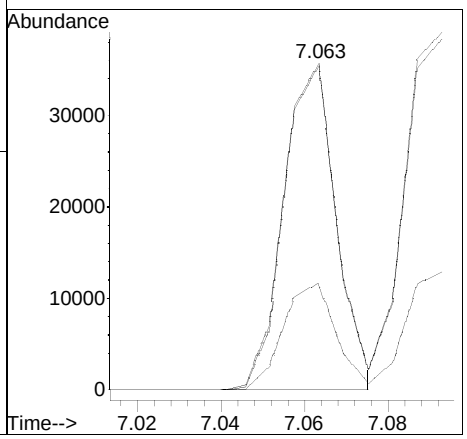


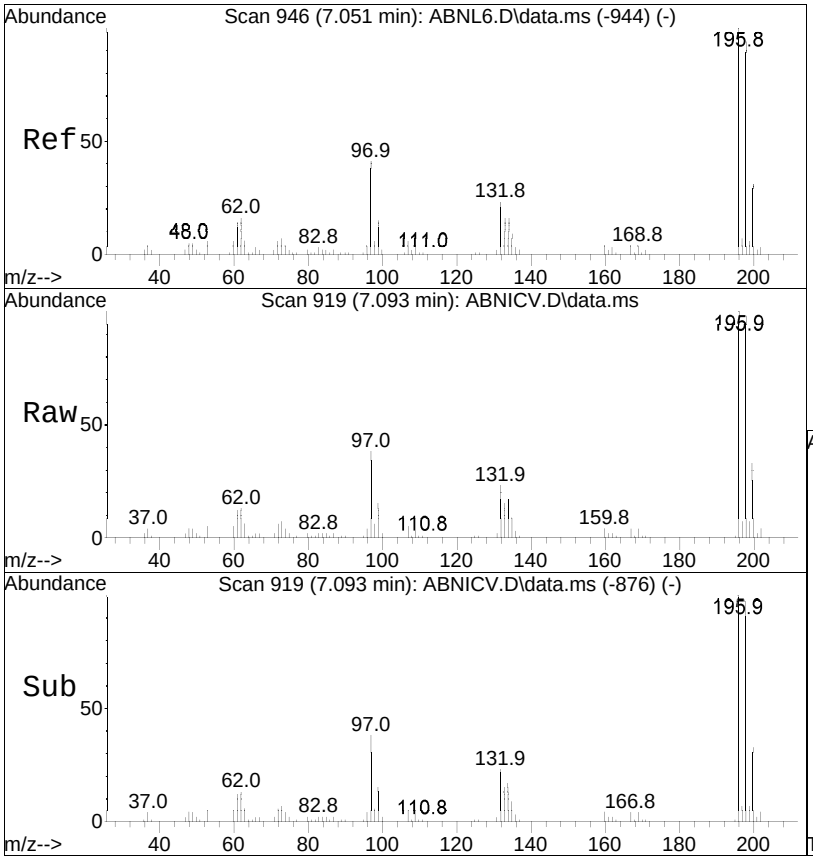


#44
2,4,6-Trichlorophenol
Concen: 4.82 ug/ml
RT: 7.063 min Scan# 914
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:196 Resp: 31279

Ion	Ratio	Lower	Upper
196	100		
198	98.0	76.4	114.6
200	32.8	24.4	36.6

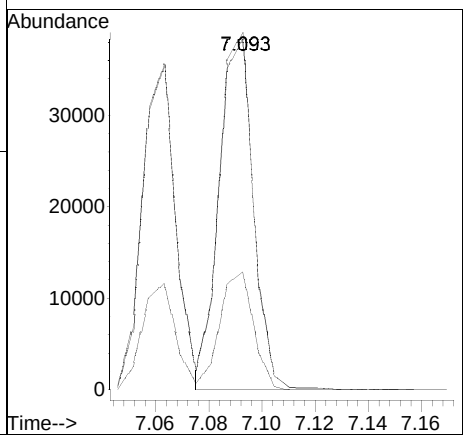


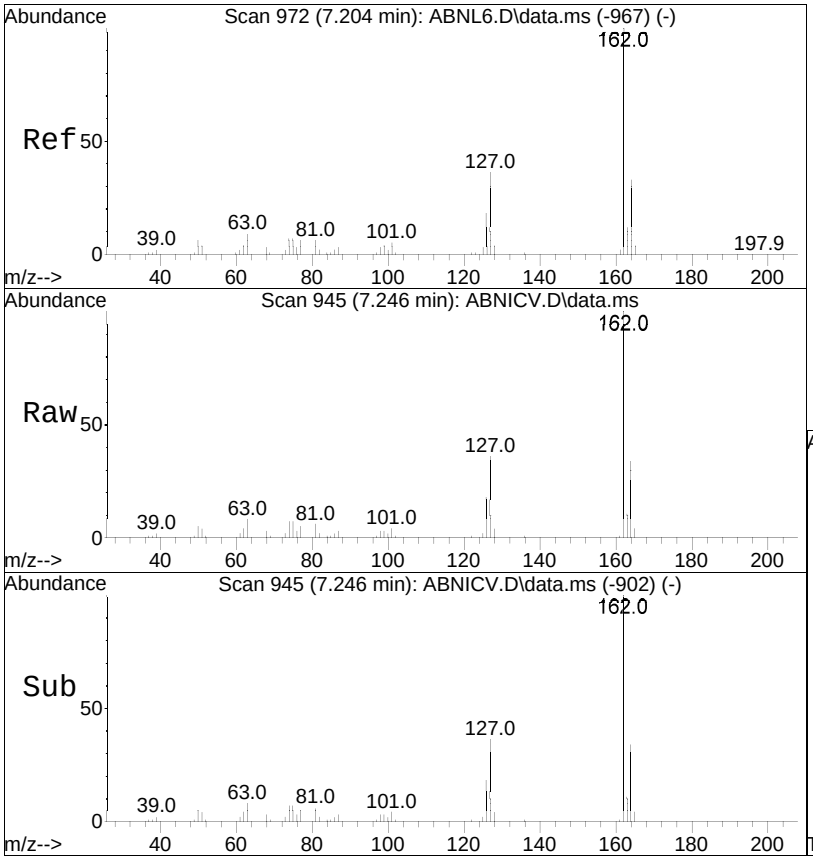


#45
2,4,5-Trichlorophenol
Concen: 5.03 ug/ml
RT: 7.093 min Scan# 919
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:196 Resp: 34951

Ion	Ratio	Lower	Upper
196	100		
200	32.4	24.2	36.4
198	98.6	76.2	114.2

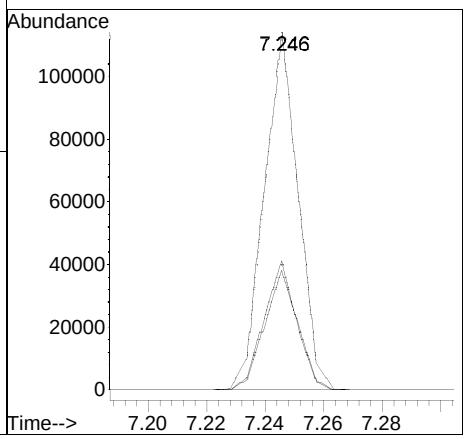


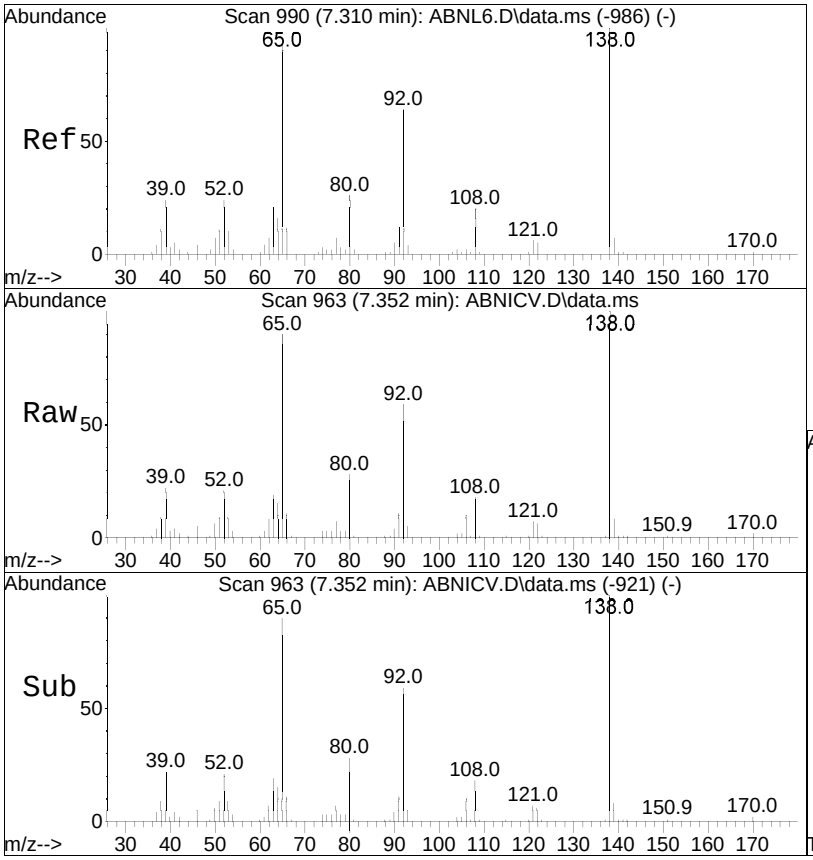


#47
2-Chloronaphthalene
Concen: 4.84 ug/ml
RT: 7.246 min Scan# 945
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:162 Resp: 90900

Ion	Ratio	Lower	Upper
162	100		
127	34.8	33.8	50.6
164	33.1	25.8	38.6

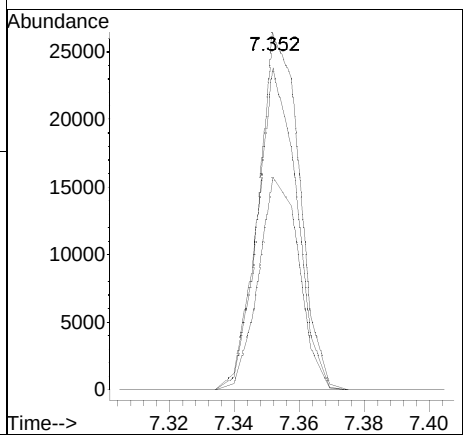


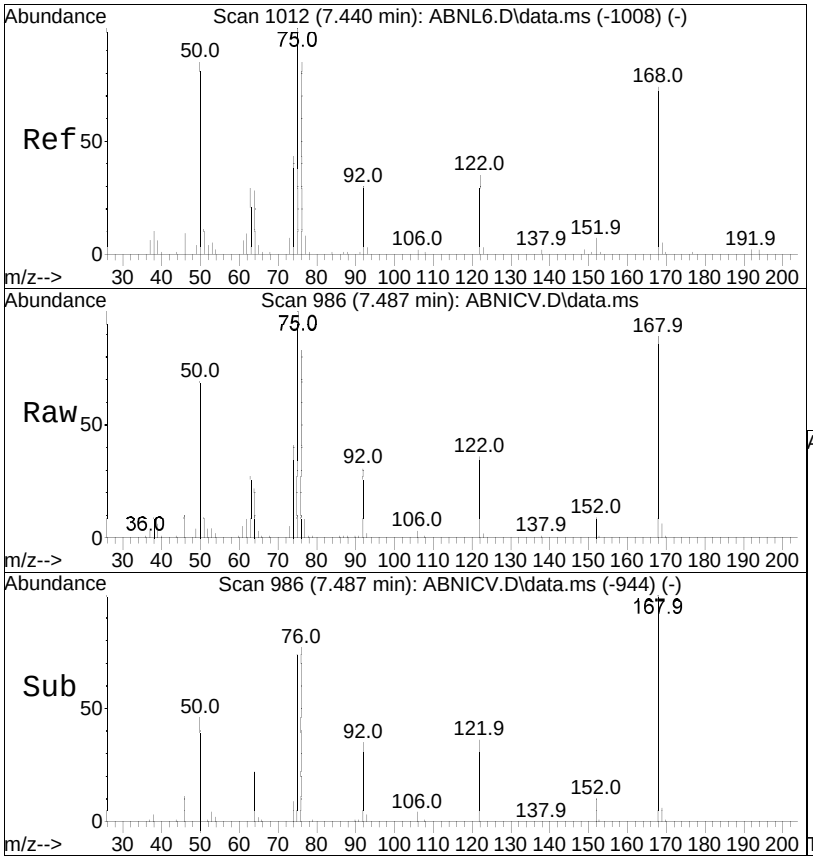


#48
2-Nitroaniline
Concen: 4.67 ug/ml
RT: 7.352 min Scan# 963
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:138 Resp: 22841

Ion	Ratio	Lower	Upper
138	100		
92	59.3	52.1	78.1
65	87.2	75.9	113.9

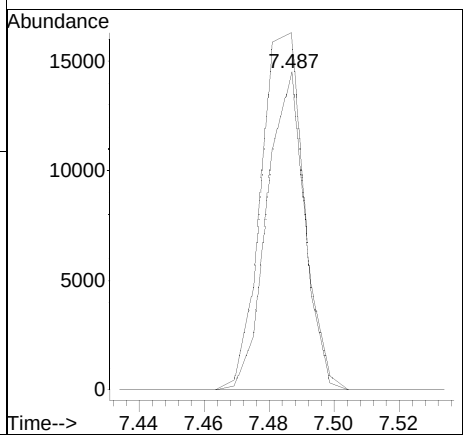


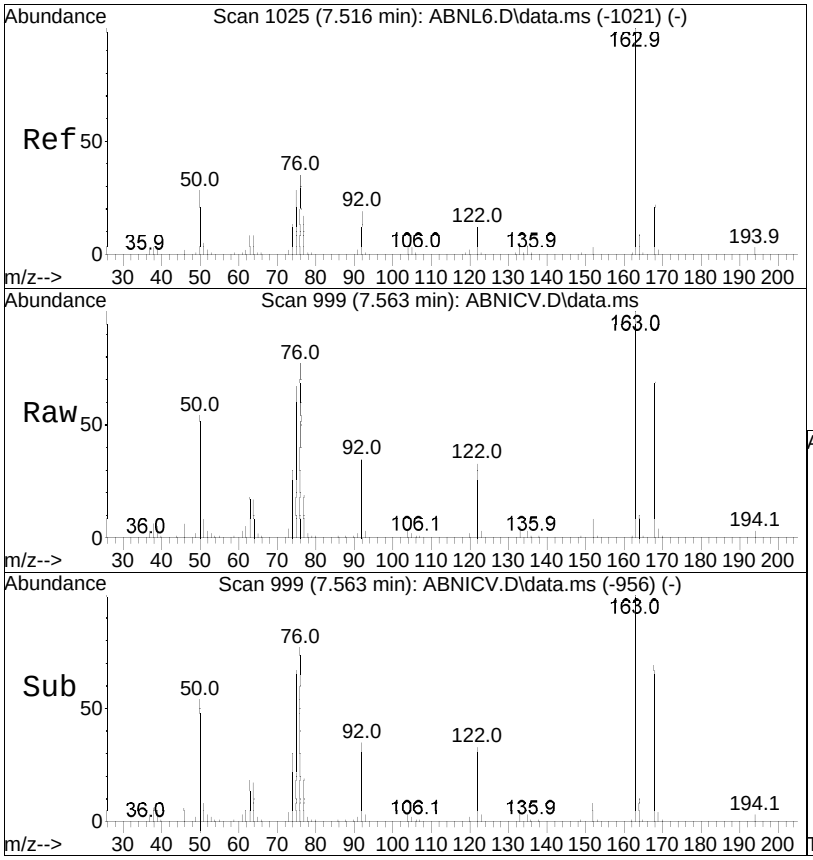


#49
1,4-Dinitrobenzene
Concen: 4.38 ug/ml
RT: 7.487 min Scan# 986
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:168 Resp: 11833

Ion	Ratio	Lower	Upper
168	100		
75	125.6	111.0	166.4

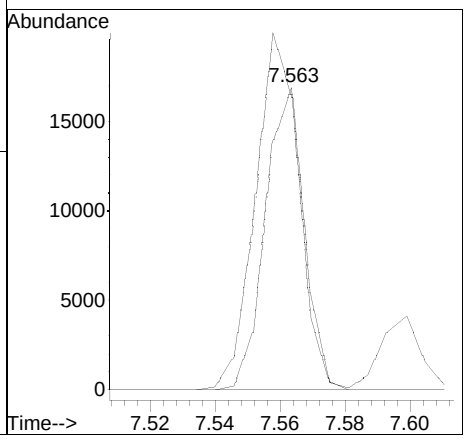


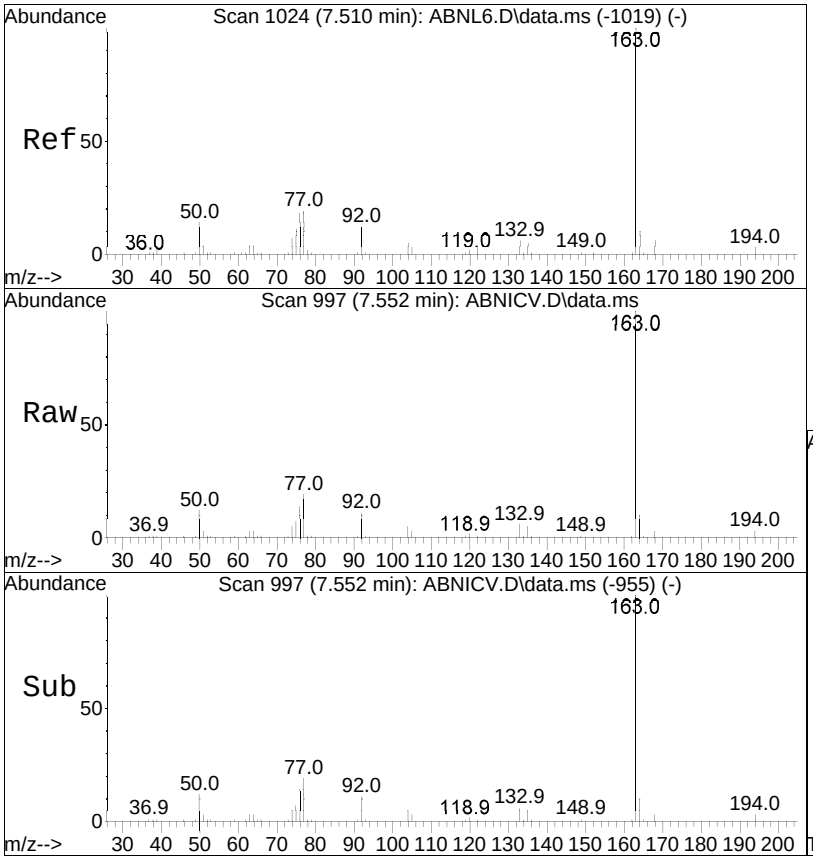


#50
1,3-Dinitrobenzene
Concen: 4.60 ug/ml
RT: 7.563 min Scan# 999
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:168 Resp: 14052

Ion	Ratio	Lower	Upper
168	100		
75	131.3	116.4	174.6

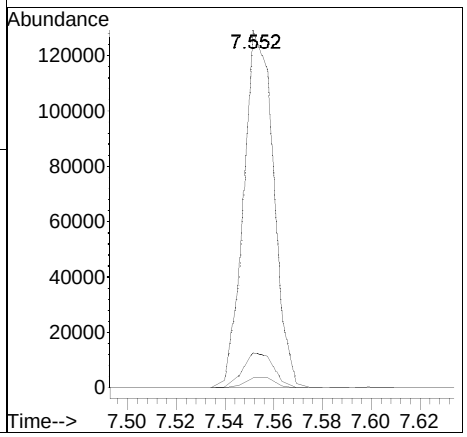


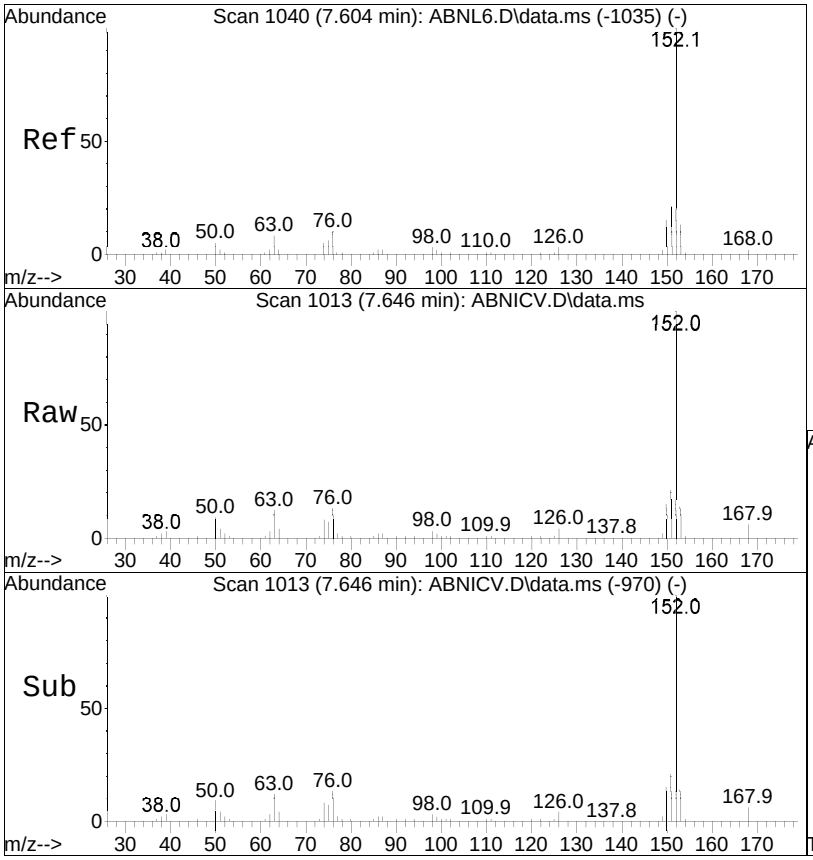


#51
Dimethyl phthalate
Concen: 4.90 ug/ml
RT: 7.552 min Scan# 997
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:163 Resp: 109092

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	10.2	8.2	12.2

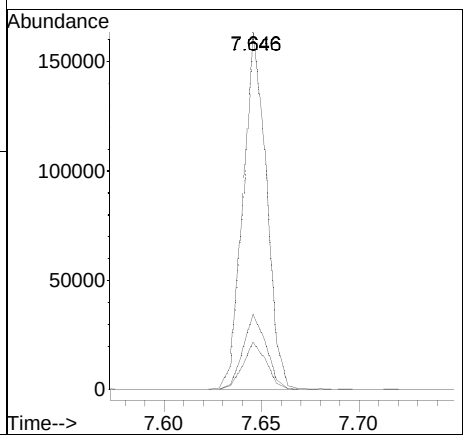


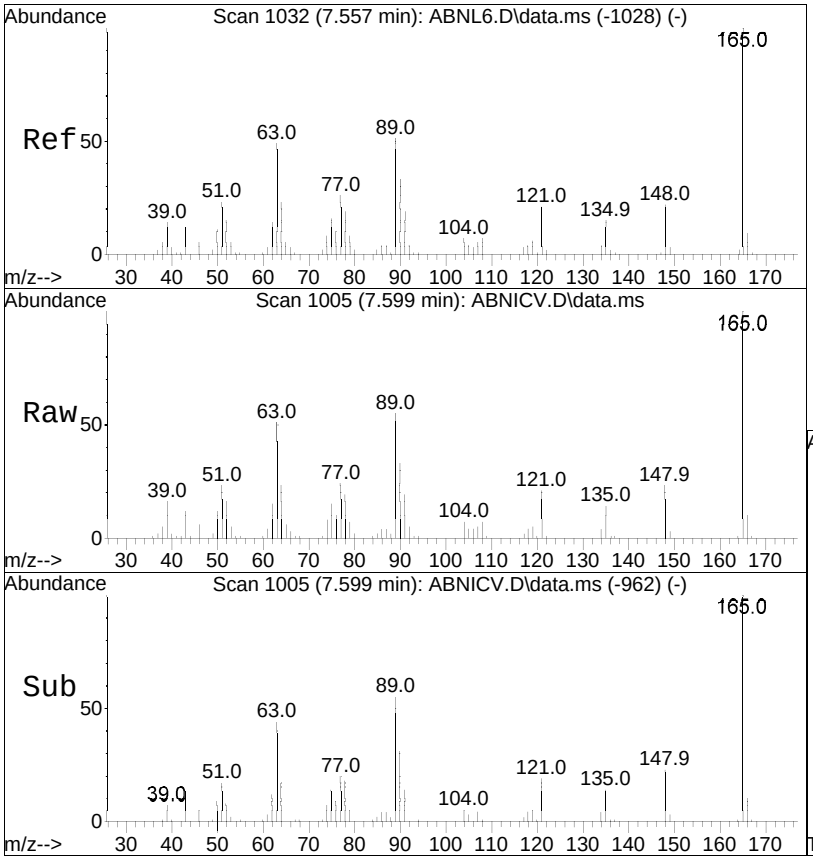


#52
Acenaphthylene
Concen: 5.10 ug/ml
RT: 7.646 min Scan# 1013
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:152 Resp: 135028

Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.9	23.9
153	13.4	10.5	15.7

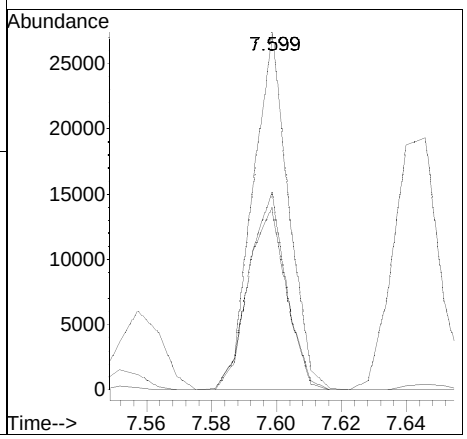


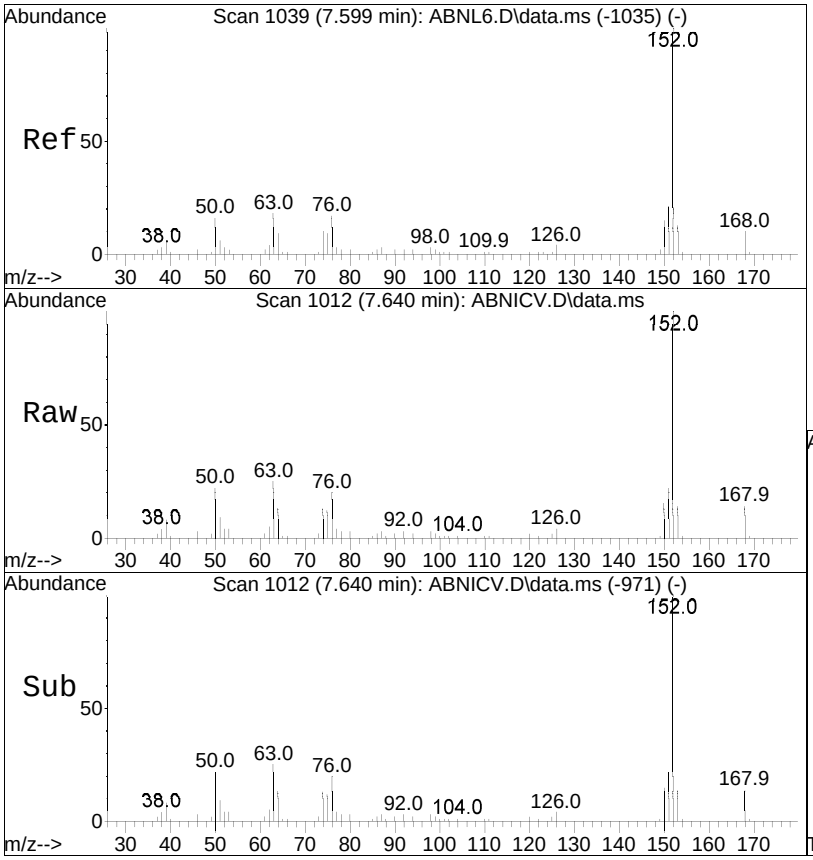


#53
2,6-Dinitrotoluene
Concen: 4.95 ug/ml
RT: 7.599 min Scan# 1005
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:165 Resp: 21001

Ion	Ratio	Lower	Upper
165	100		
89	57.4	48.8	73.2
63	55.3	50.5	75.7

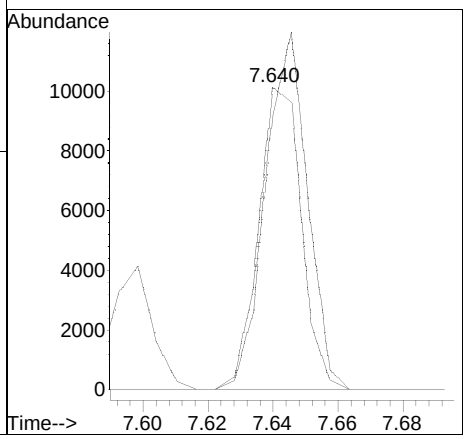


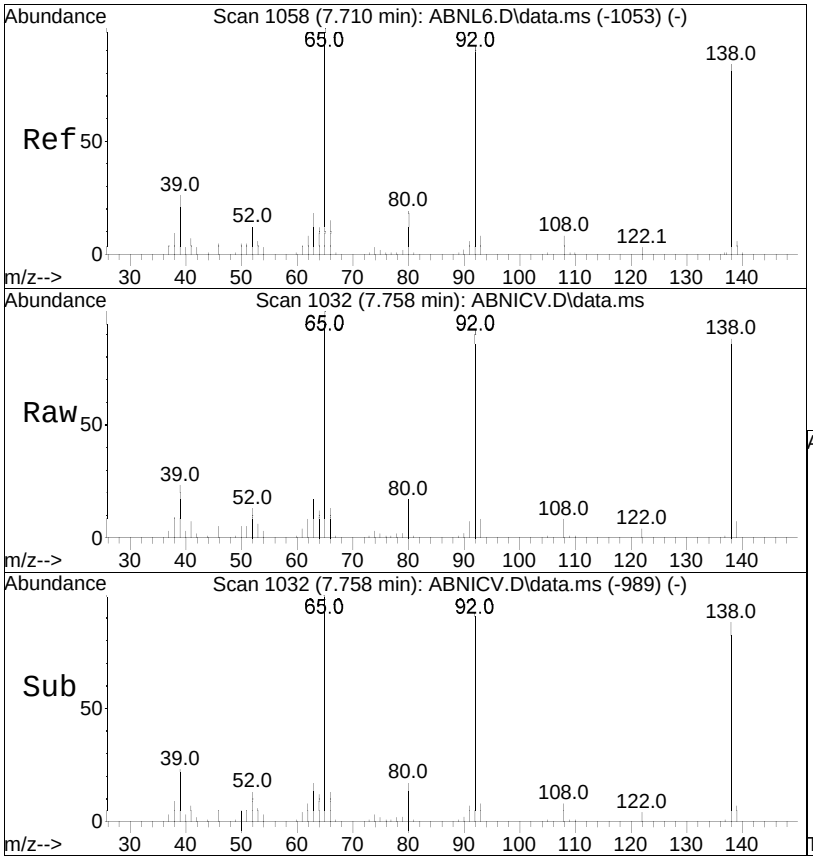


#54
1,2-Dinitrobenzene
Concen: 4.87 ug/ml
RT: 7.640 min Scan# 1012
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:168 Resp: 9207

Ion	Ratio	Lower	Upper
168	100		
75	115.8	32.2	48.2#

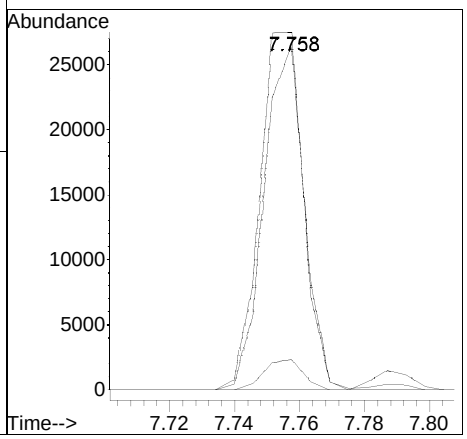


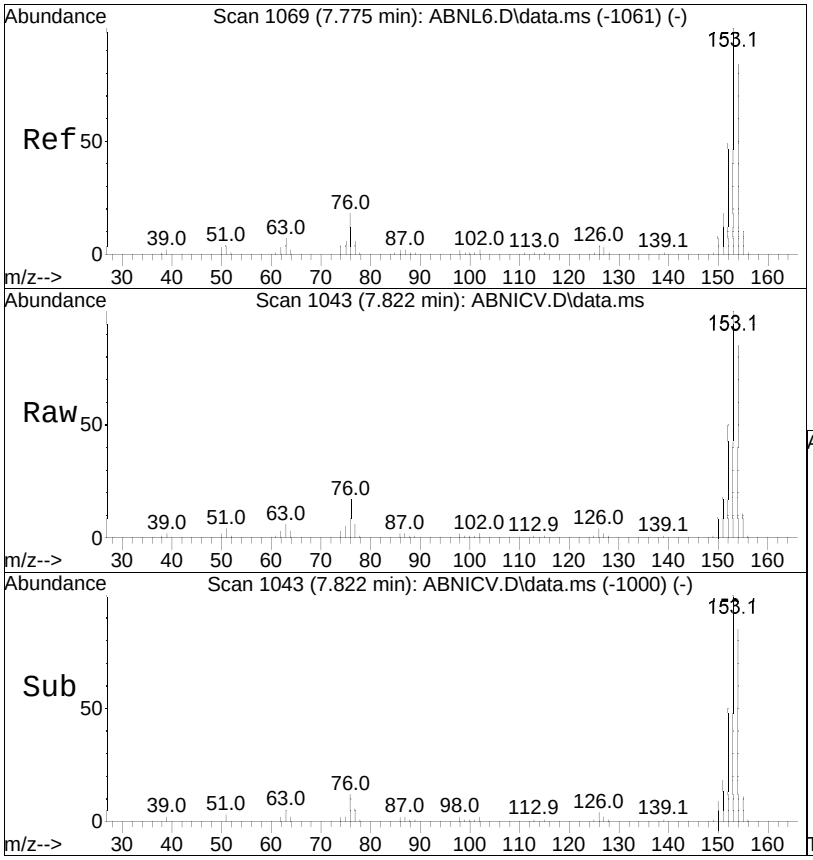


#64
3-Nitroaniline
Concen: 4.66 ug/ml
RT: 7.758 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:138 Resp: 22581

Ion	Ratio	Lower	Upper
138	100		
92	112.0	92.8	139.2
108	8.8	7.9	11.9

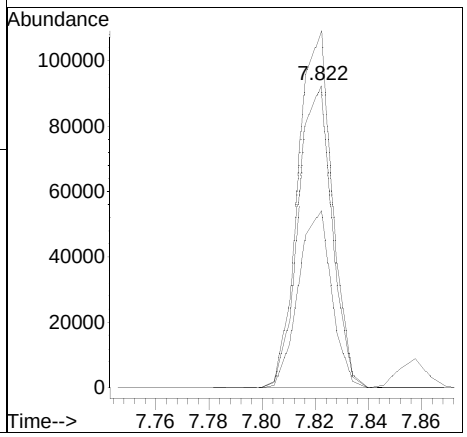


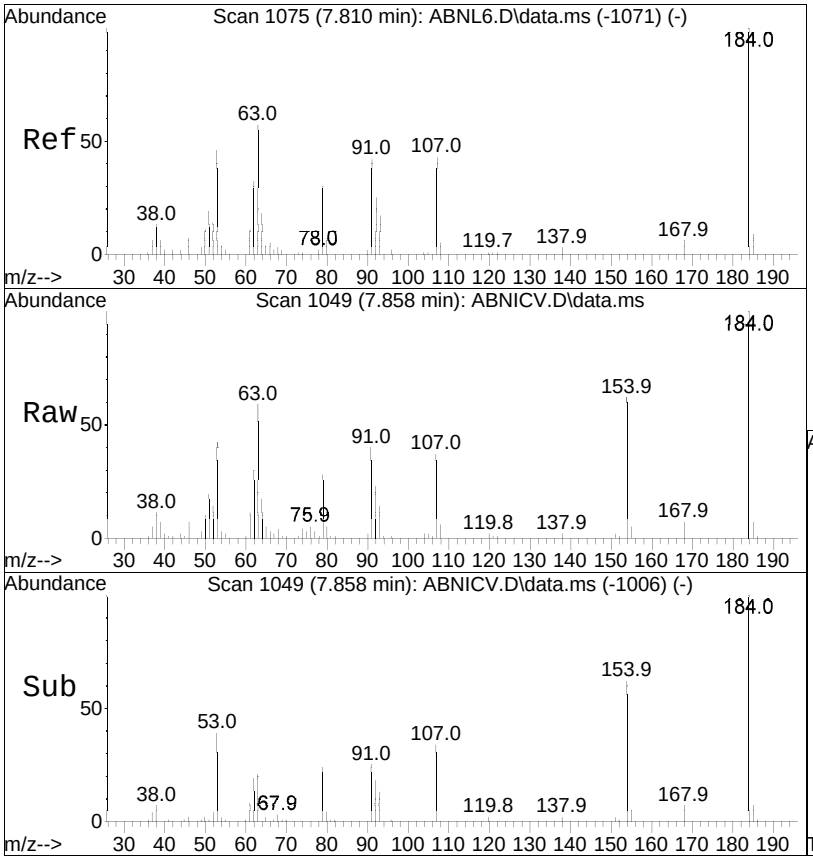


#65
Acenaphthene
Concen: 4.69 ug/ml
RT: 7.822 min Scan# 1043
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:154 Resp: 81480

Ion	Ratio	Lower	Upper
154	100		
153	119.2	93.0	139.4
152	58.4	43.3	64.9

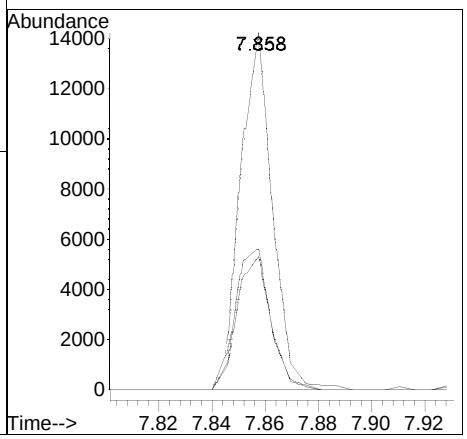


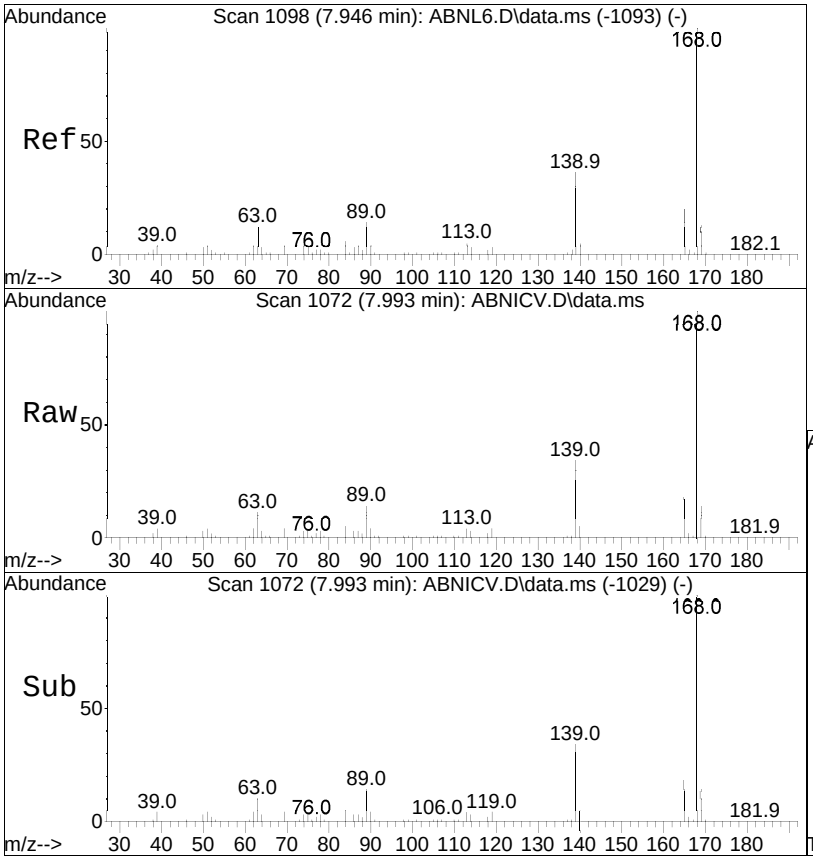


#66
2,4-Dinitrophenol
Concen: 3.78 ug/ml
RT: 7.858 min Scan# 1049
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:184 Resp: 11827

Ion	Ratio	Lower	Upper
184	100		
107	39.6	41.8	62.6#
91	43.0	44.2	66.2#

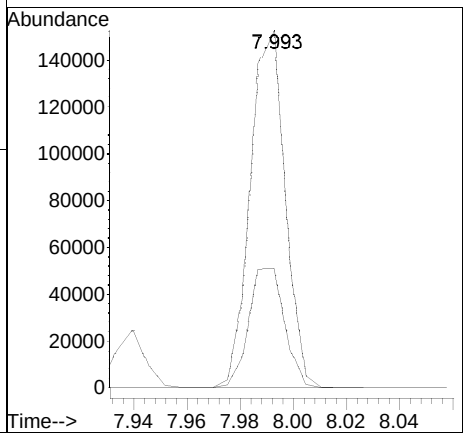


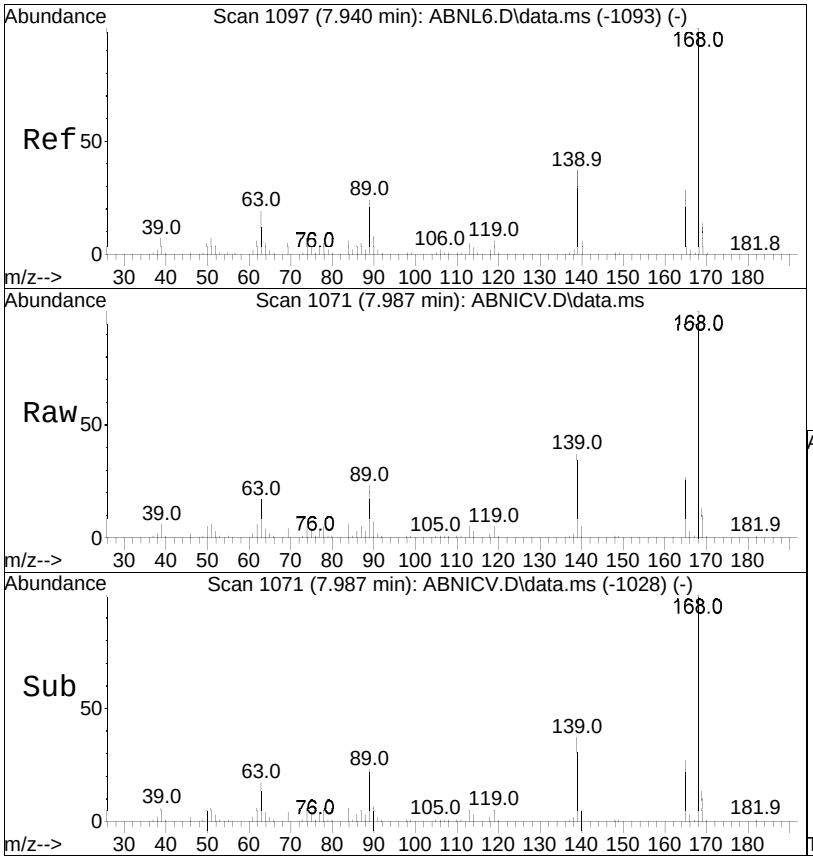


#67
Dibenzofuran
Concen: 4.70 ug/ml
RT: 7.993 min Scan# 1072
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:168 Resp: 138095

Ion	Ratio	Lower	Upper
168	100		
139	34.6	32.3	48.5

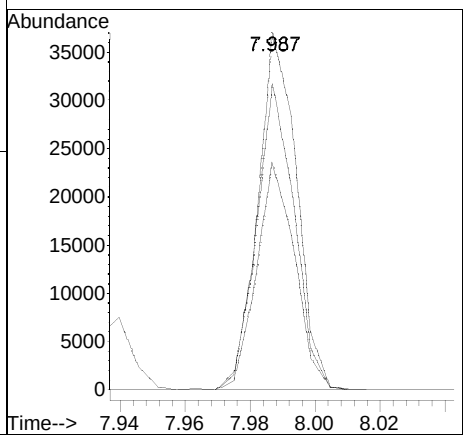


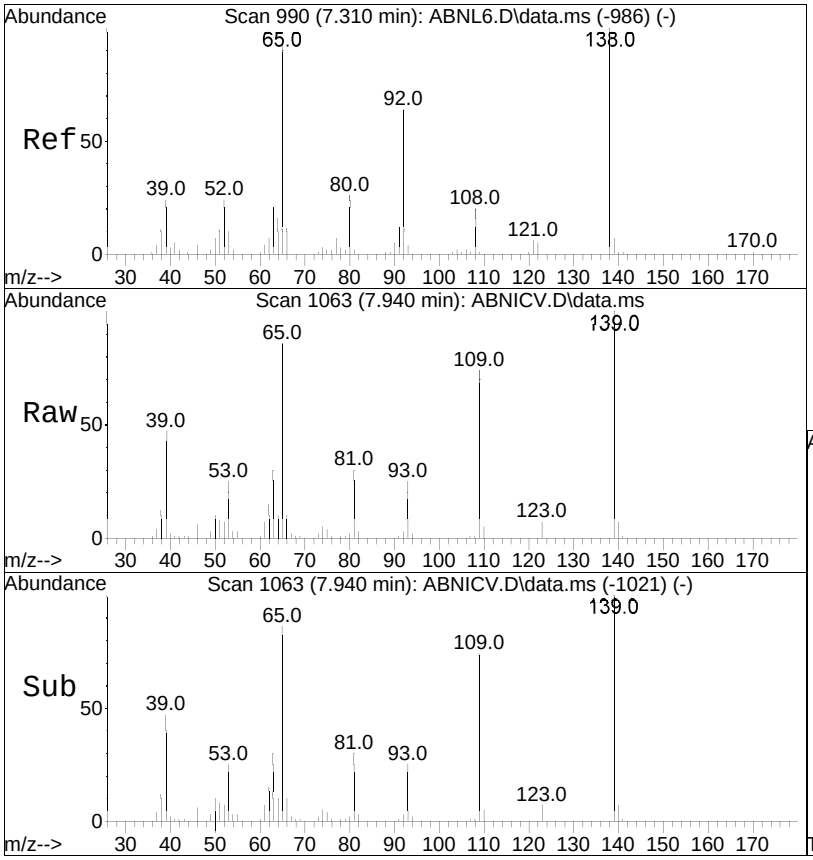


#68
2,4-Dinitrotoluene
Concen: 4.99 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:165 Resp: 30250

Ion	Ratio	Lower	Upper
165	100		
89	83.9	73.0	109.4
63	63.1	56.3	84.5

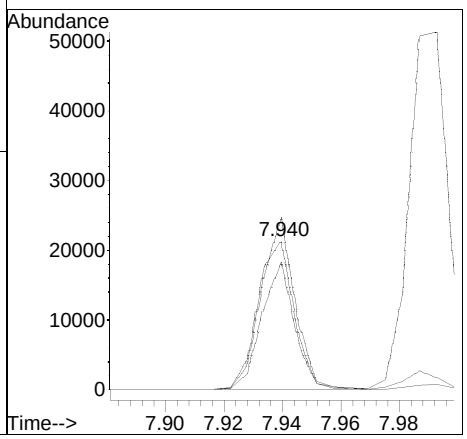


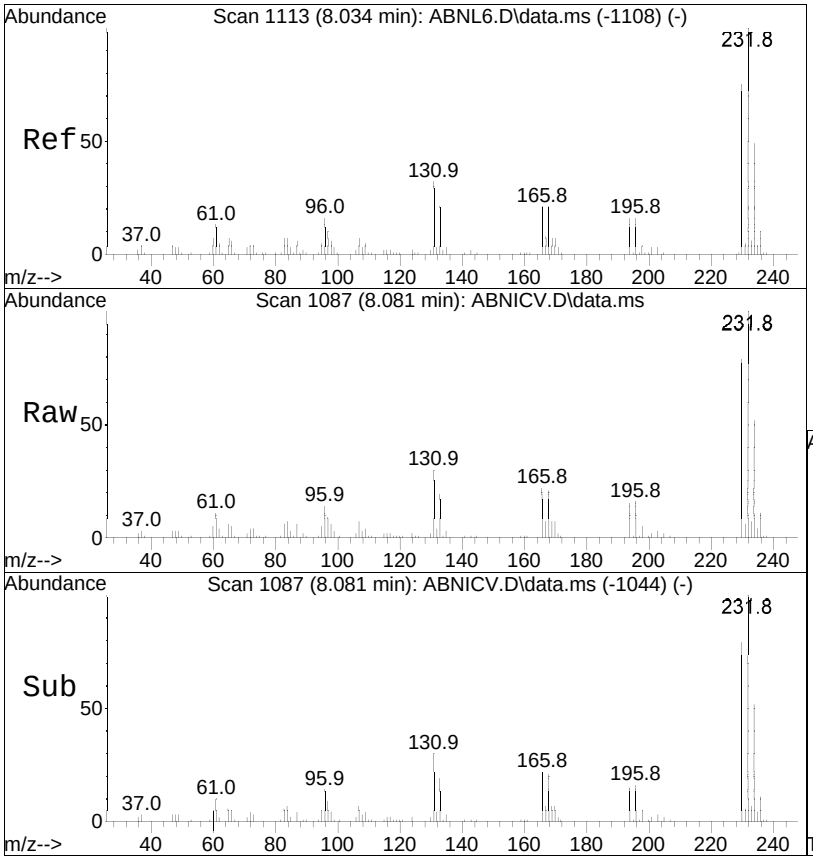


#69
4-Nitrophenol
Concen: 4.87 ug/ml
RT: 7.940 min Scan# 1063
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 65 Resp: 18466

Ion	Ratio	Lower	Upper
65	100		
109	76.9	60.2	90.2
139	106.1	81.1	121.7

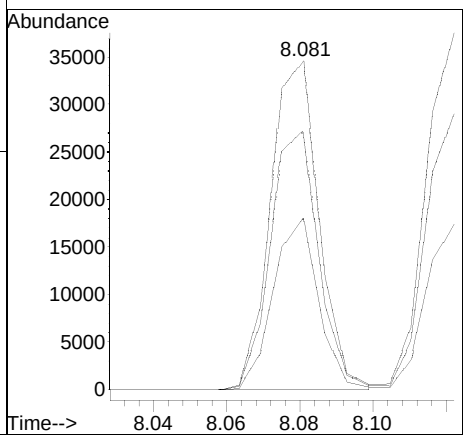


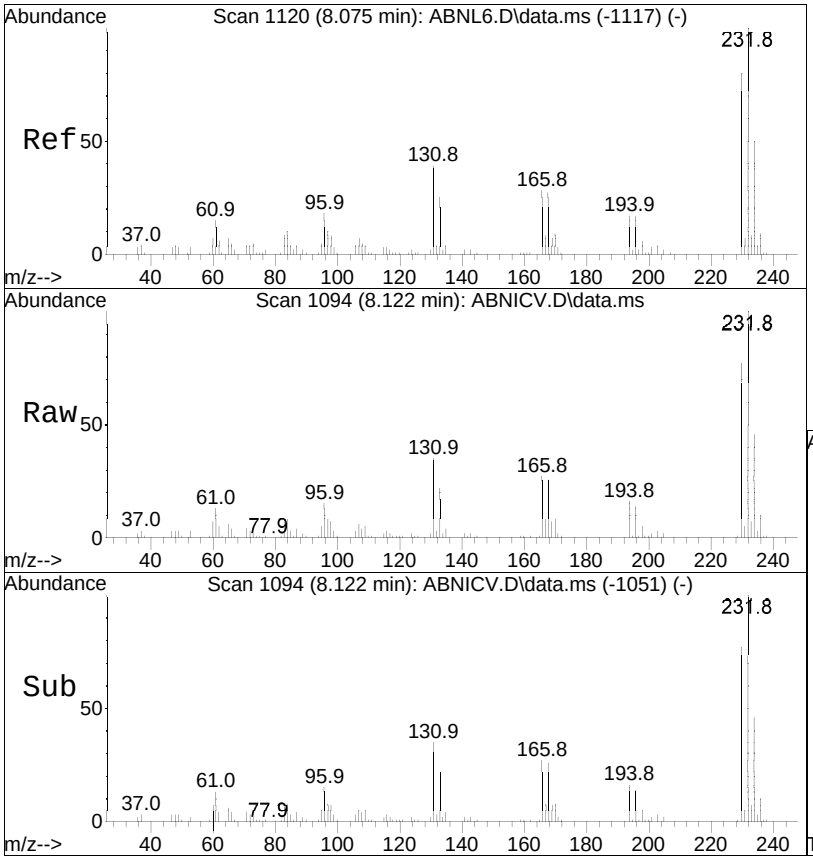


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.97 ug/ml
RT: 8.081 min Scan# 1087
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:232 Resp: 31705

Ion	Ratio	Lower	Upper
232	100		
230	79.1	63.8	95.8
234	49.6	38.3	57.5

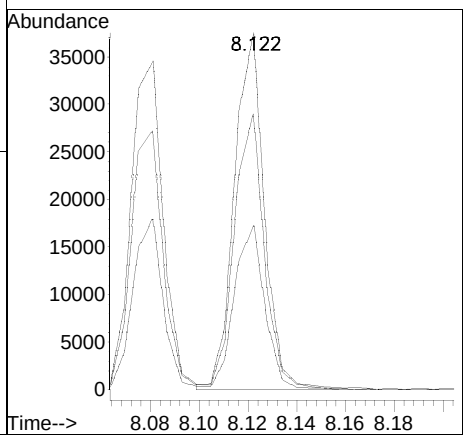


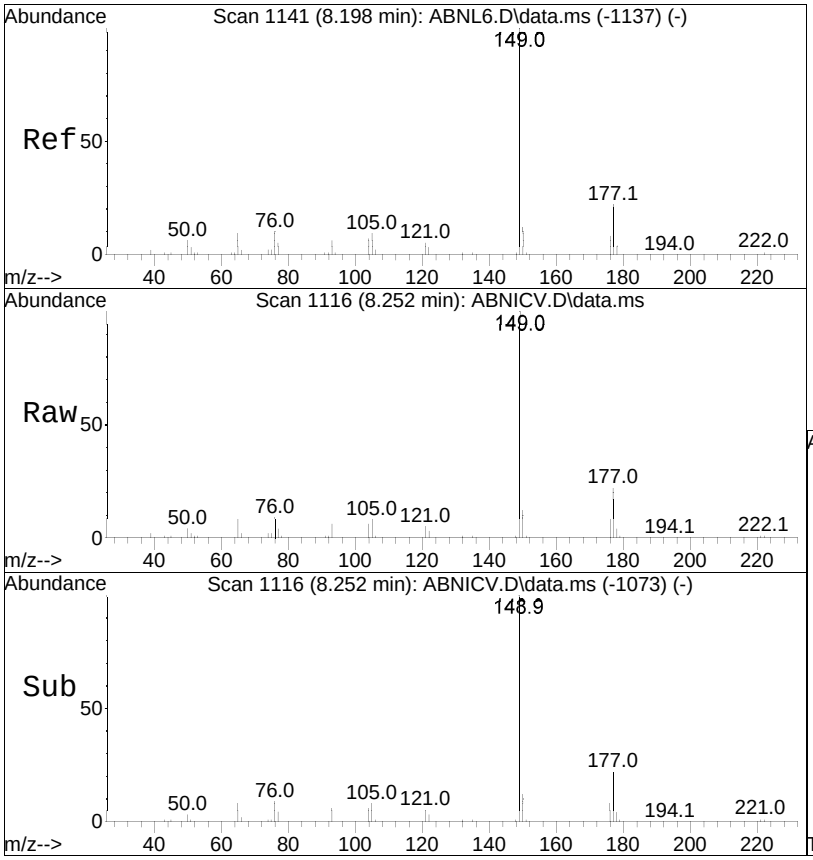


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.15 ug/ml
RT: 8.122 min Scan# 1094
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:232 Resp: 32110

Ion	Ratio	Lower	Upper
232	100		
230	76.0	63.8	95.8
234	47.0	39.0	58.6

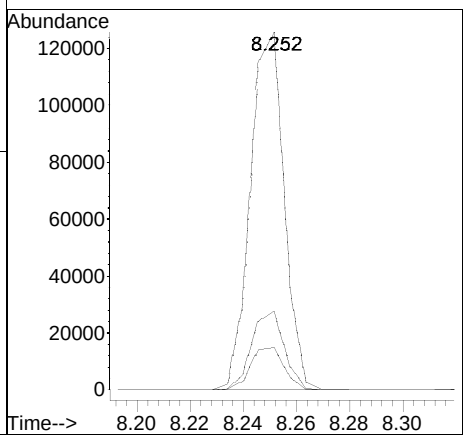


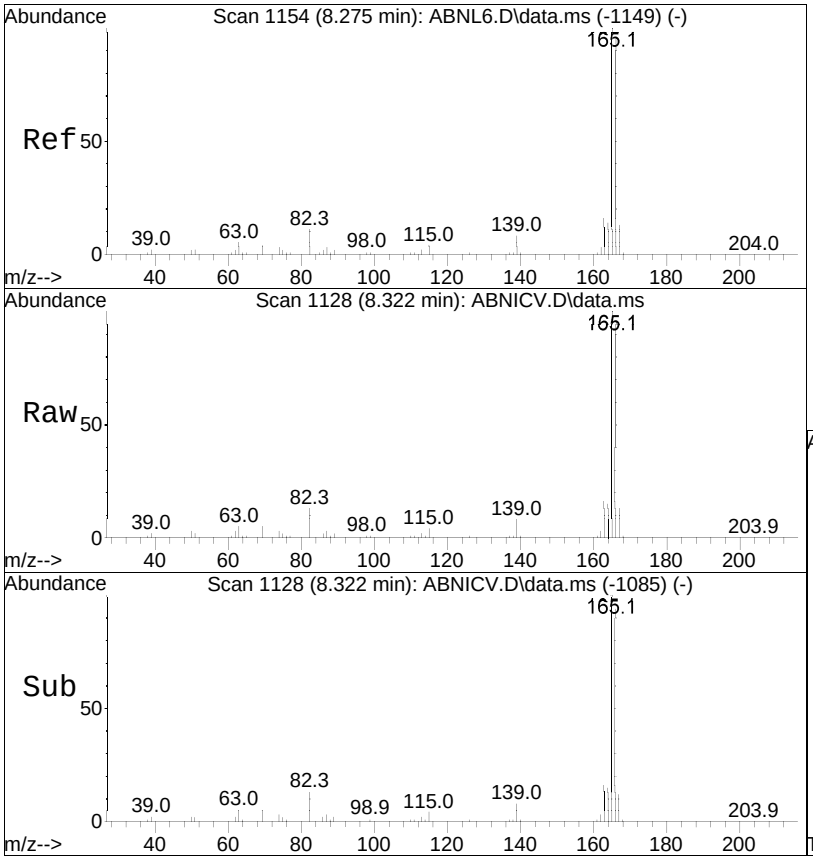


#72
Diethyl phthalate
Concen: 4.81 ug/ml
RT: 8.252 min Scan# 1116
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:149 Resp: 109507

Ion	Ratio	Lower	Upper
149	100		
177	21.4	15.0	22.6
150	11.9	9.8	14.6

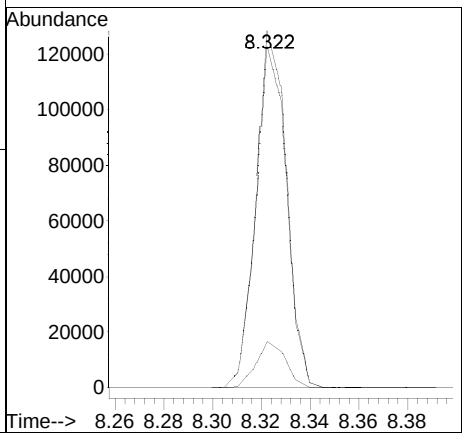


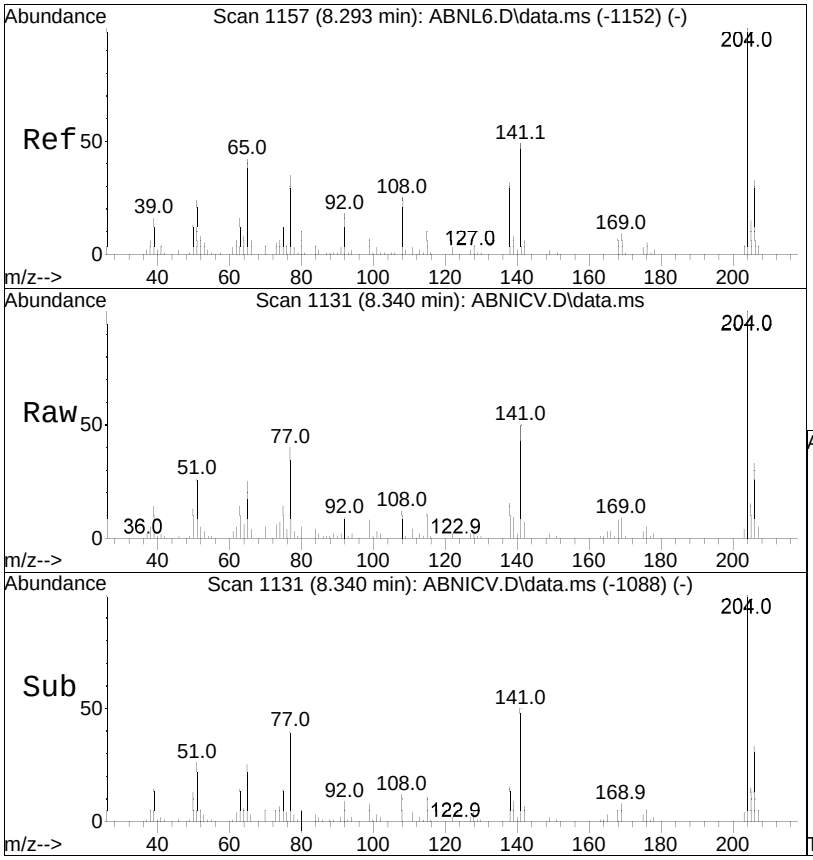


#73
Fluorene
Concen: 4.78 ug/ml
RT: 8.322 min Scan# 1128
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:166 Resp: 107084

Ion	Ratio	Lower	Upper
166	100		
165	104.7	80.0	120.0
167	13.4	10.7	16.1

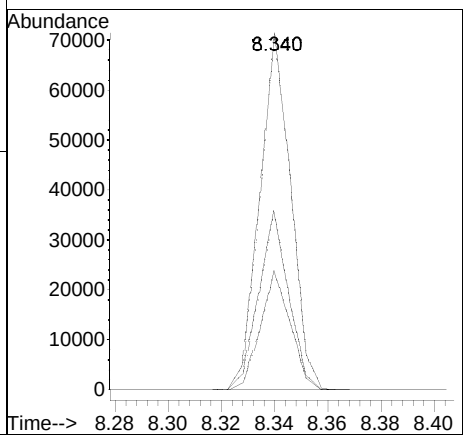


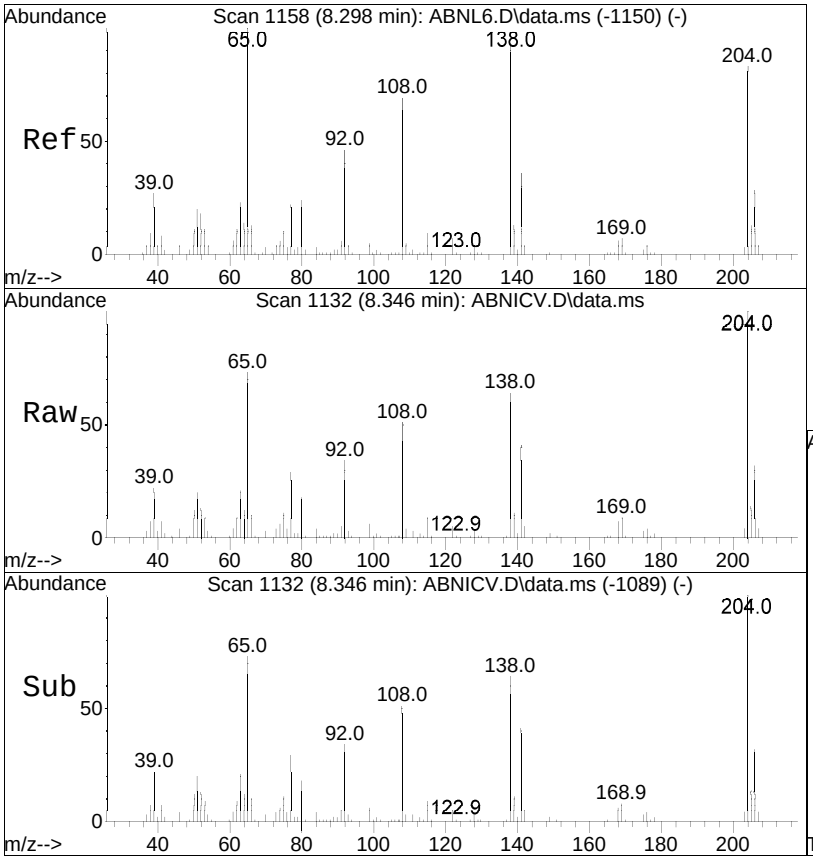


#74
4-Chlorophenyl phenyl ether
Concen: 4.67 ug/ml
RT: 8.340 min Scan# 1131
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:204 Resp: 57299

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	48.6	58.4	87.6#

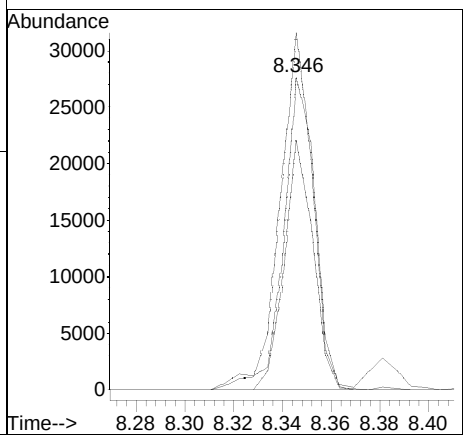


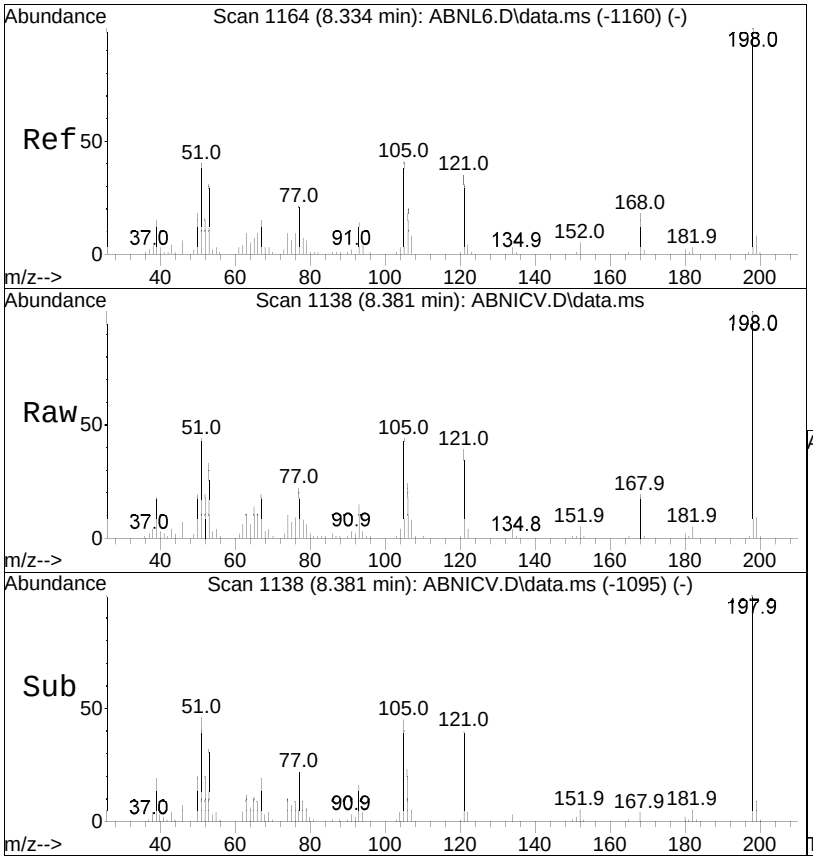


#75
4-Nitroaniline
Concen: 5.18 ug/ml
RT: 8.346 min Scan# 1132
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:138 Resp: 24930

Ion	Ratio	Lower	Upper
138	100		
108	72.1	59.2	88.8
65	115.9	97.6	146.4

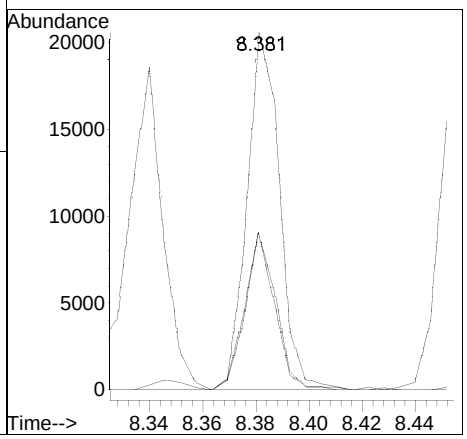


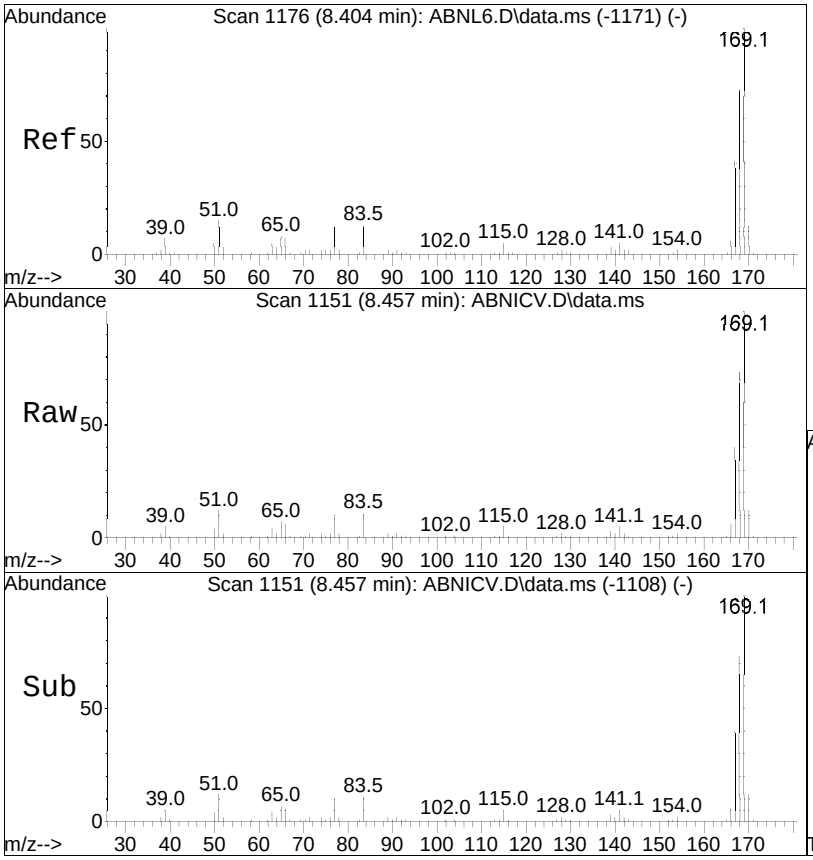


#76
4,6-Dinitro-o-cresol
Concen: 4.09 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:198 Resp: 17465

Ion	Ratio	Lower	Upper
198	100		
51	41.0	49.9	74.9#
105	41.3	45.8	68.6#

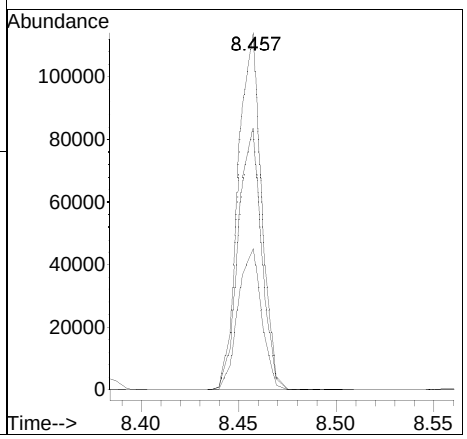


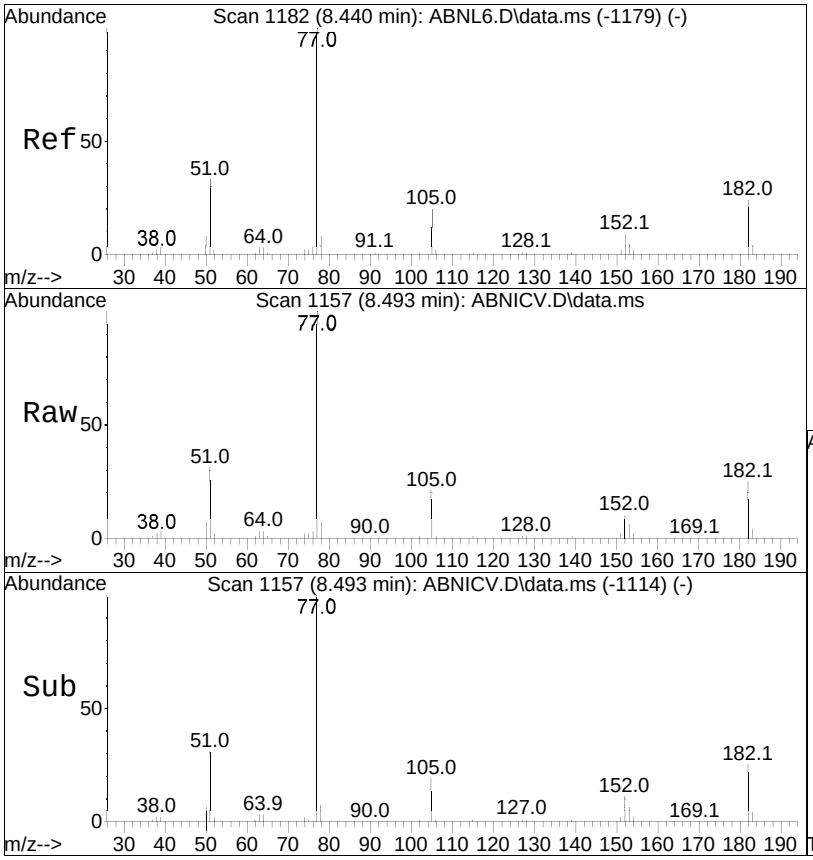


#77
NDPA/DPA
Concen: 5.07 ug/ml
RT: 8.457 min Scan# 1151
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:169 Resp: 94605

Ion	Ratio	Lower	Upper
169	100		
168	73.6	55.2	82.8
167	40.5	30.4	45.6

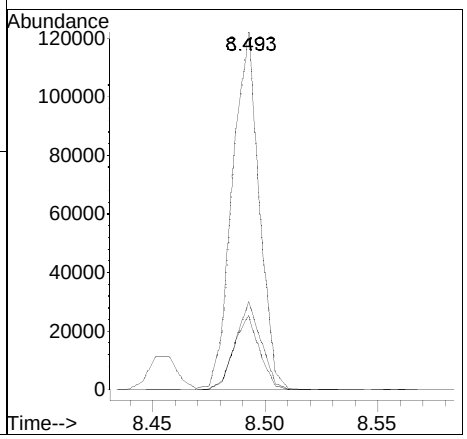


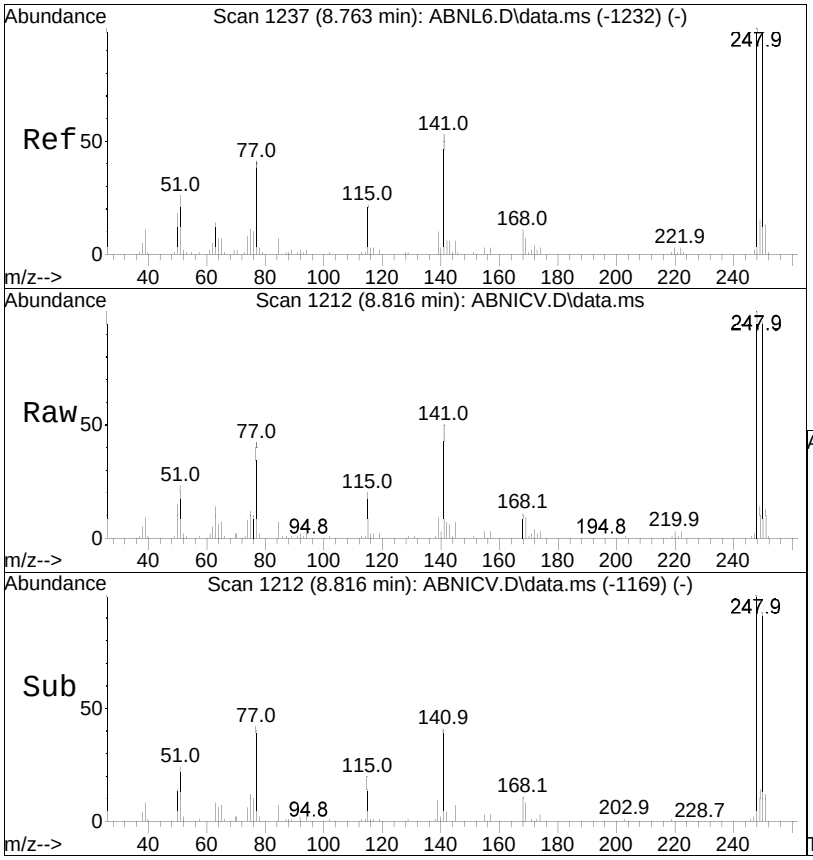


#78
Azobenzene
Concen: 4.94 ug/ml
RT: 8.493 min Scan# 1157
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion: 77 Resp: 100476

Ion	Ratio	Lower	Upper
77	100		
182	23.6	16.2	24.2
105	20.1	17.9	26.9

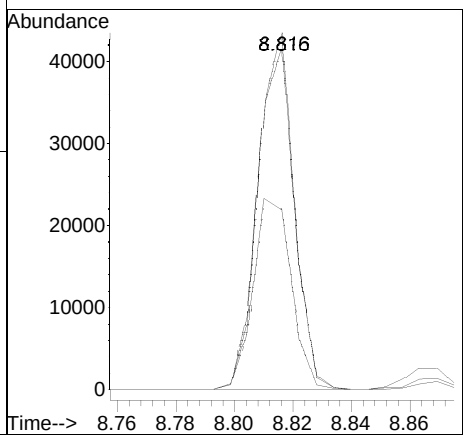


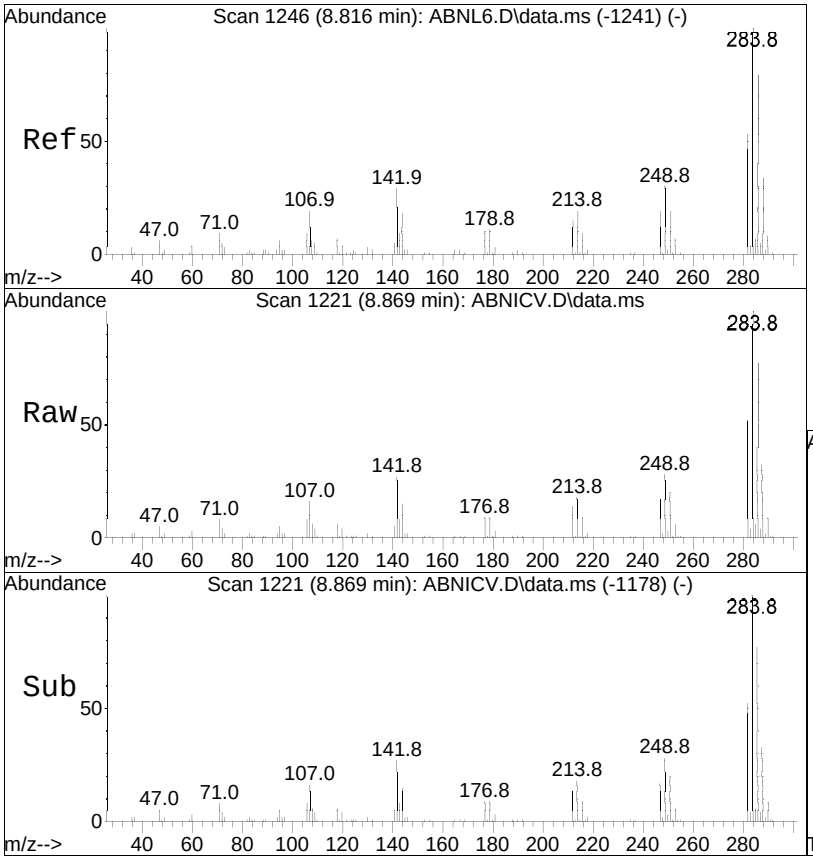


#80
4-Bromophenyl phenyl ether
Concen: 4.72 ug/ml
RT: 8.816 min Scan# 1212
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:248 Resp: 36961

Ion	Ratio	Lower	Upper
248	100		
141	56.8	74.6	111.8#
250	97.0	76.9	115.3

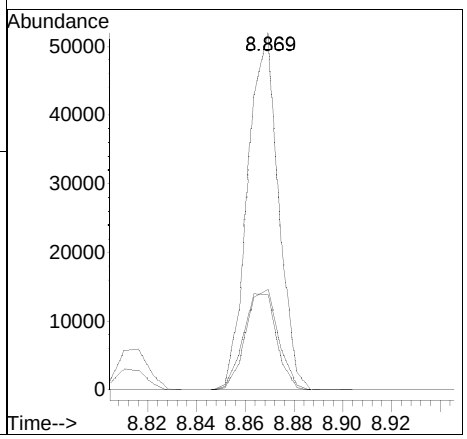


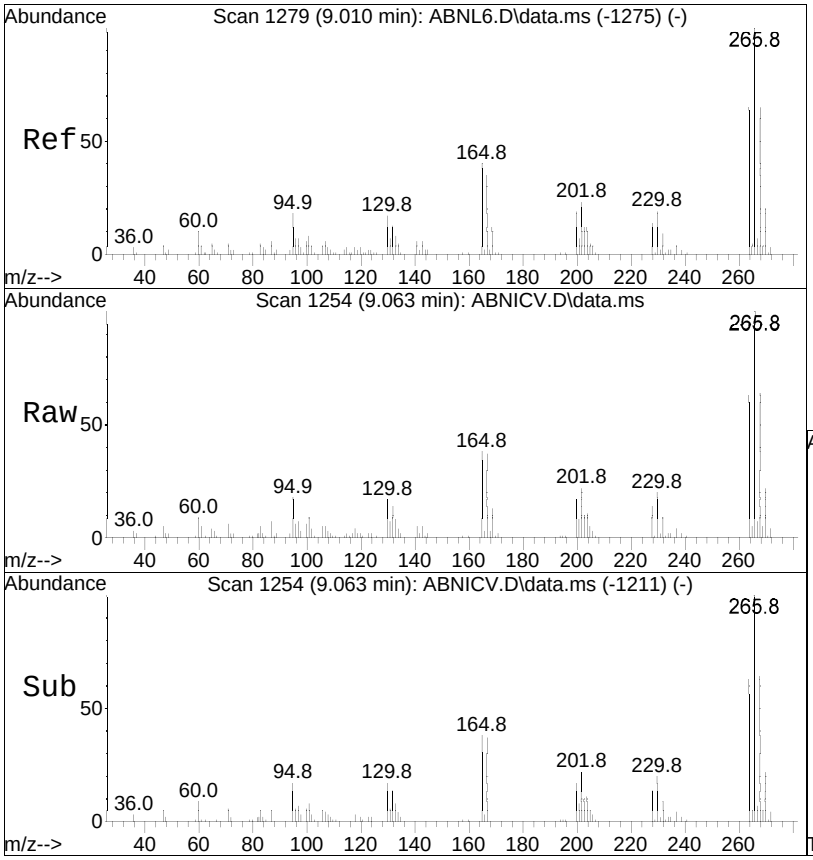


#81
Hexachlorobenzene
Concen: 4.77 ug/ml
RT: 8.869 min Scan# 1221
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:284 Resp: 45521

Ion	Ratio	Lower	Upper
284	100		
142	29.2	37.6	56.4#
249	29.8	25.4	38.2

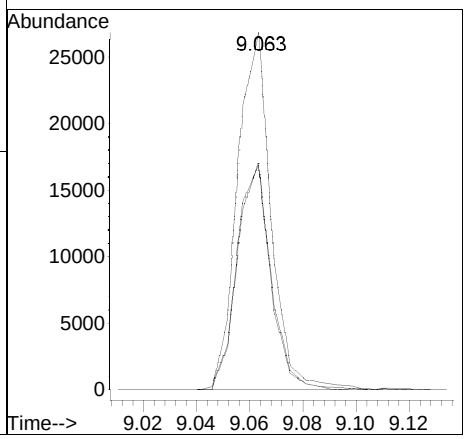


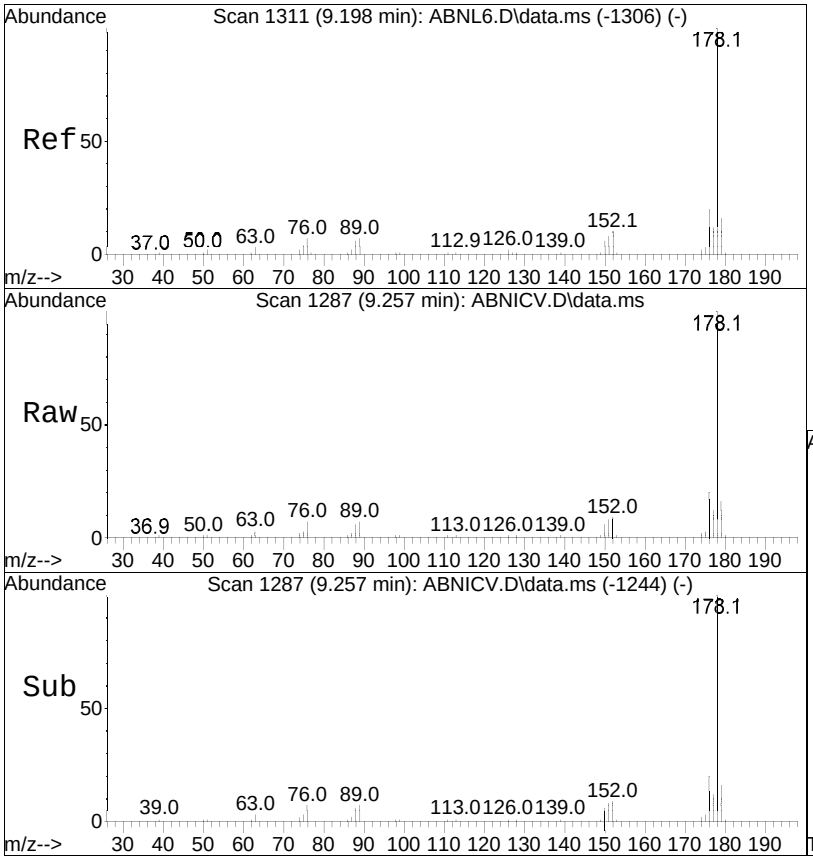


#82
Pentachlorophenol
Concen: 4.54 ug/ml
RT: 9.063 min Scan# 1254
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:266 Resp: 23557

Ion	Ratio	Lower	Upper
266	100		
264	64.0	50.7	76.1
268	64.2	52.5	78.7

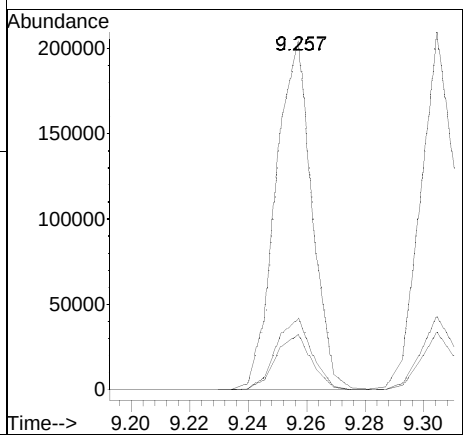


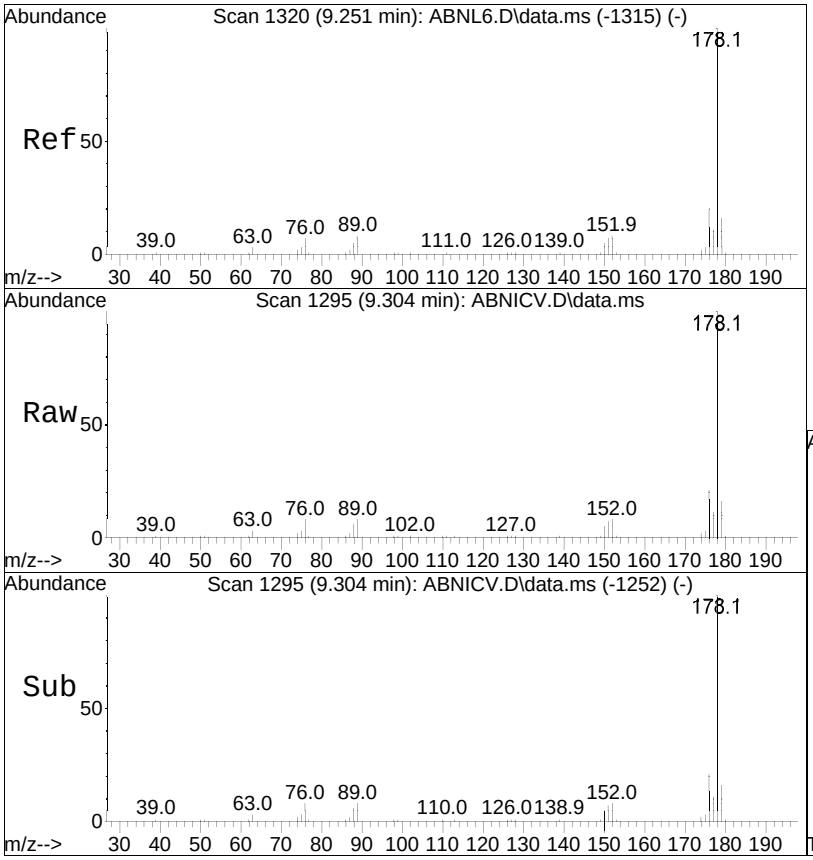


#89
Phenanthrene
Concen: 4.82 ug/ml
RT: 9.257 min Scan# 1287
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:178 Resp: 176501

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	20.2	15.4	23.2

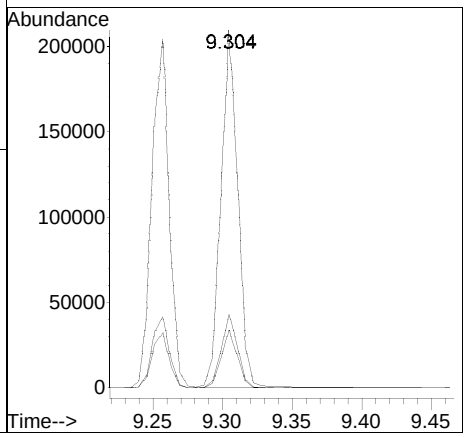


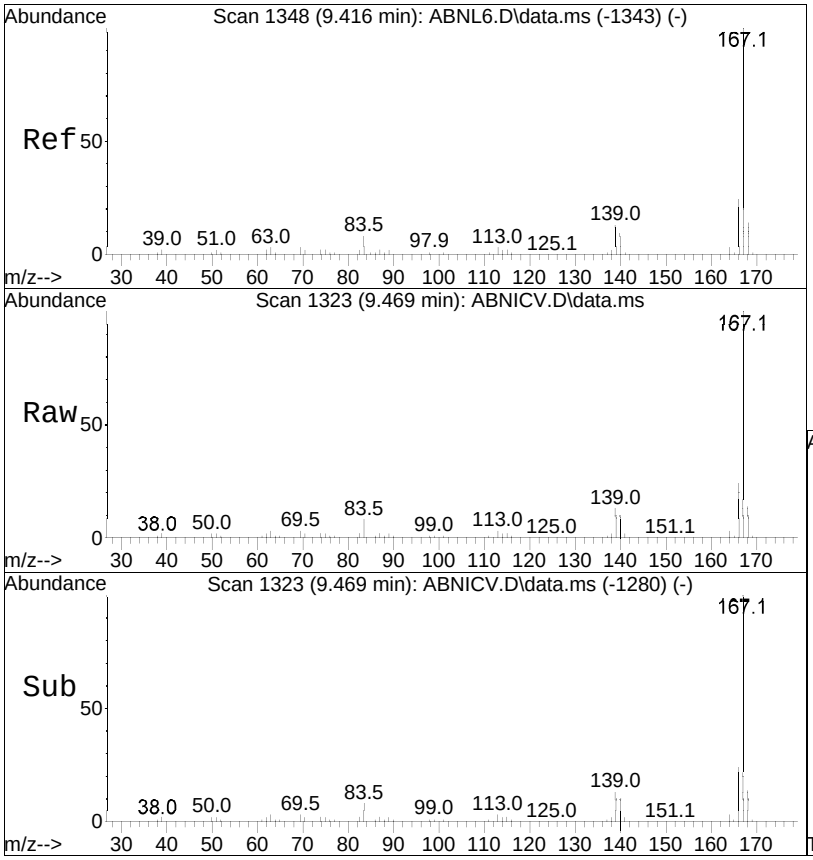


#90
Anthracene
Concen: 4.95 ug/ml
RT: 9.304 min Scan# 1295
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:178 Resp: 175912

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	20.0	15.1	22.7

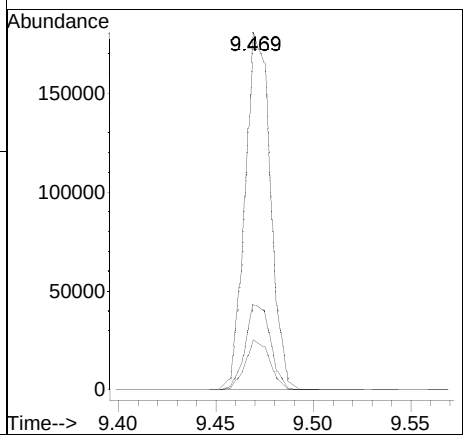


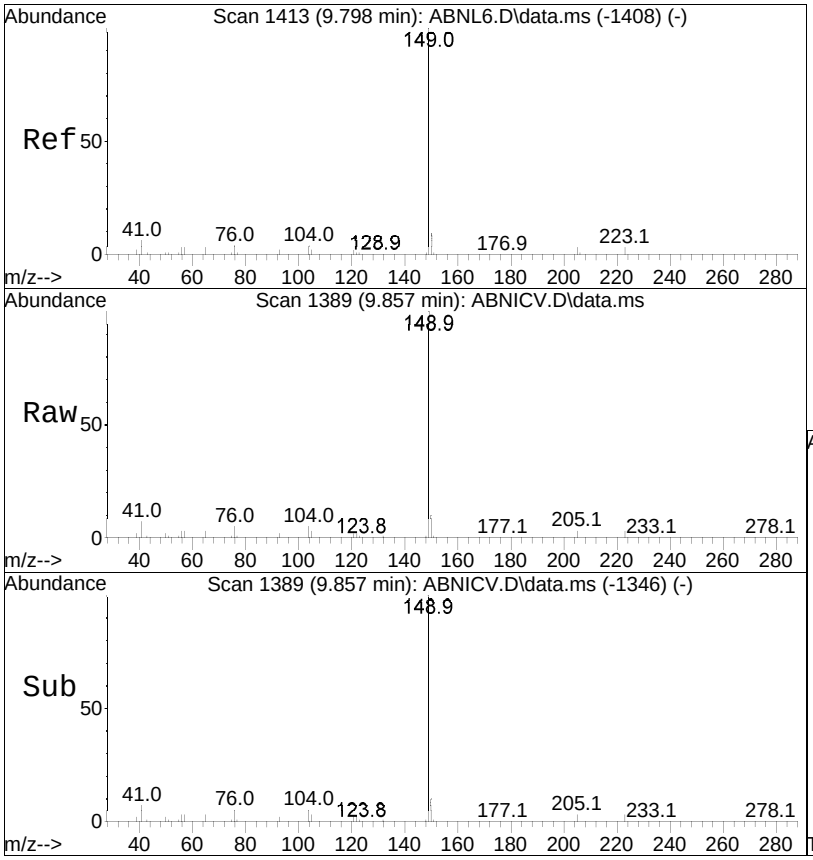


#91
Carbazole
Concen: 5.07 ug/ml
RT: 9.469 min Scan# 1323
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:167 Resp: 162662

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	23.8	17.7	26.5

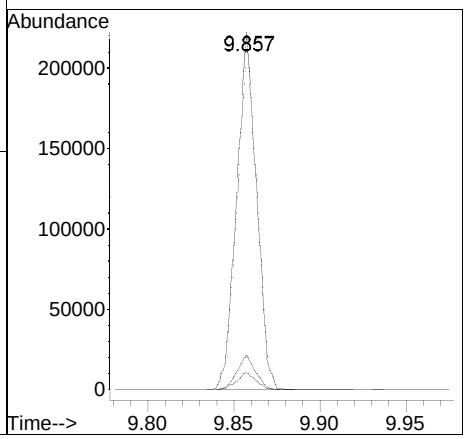


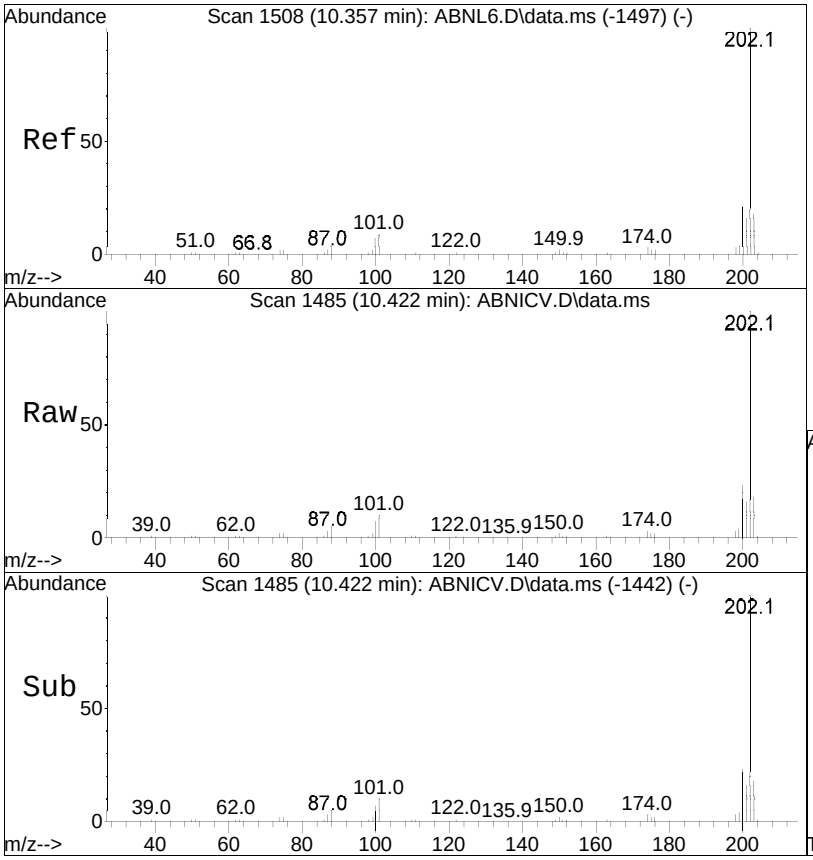


#92
Di-n-butylphthalate
Concen: 5.04 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:149 Resp: 174331

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	5.0	4.0	6.0

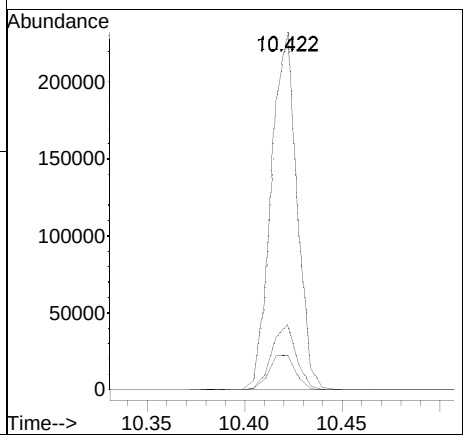


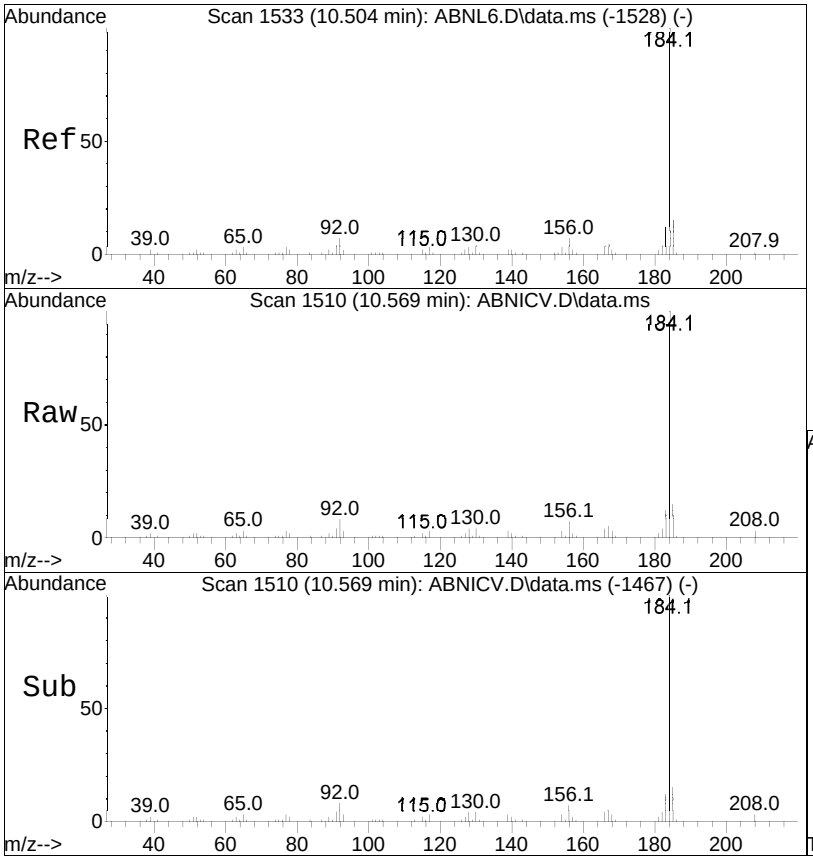


#93
Fluoranthene
Concen: 4.99 ug/ml M3
RT: 10.422 min Scan# 1485
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:202 Resp: 211413

Ion	Ratio	Lower	Upper
202	100		
101	12.6	11.2	16.8
203	18.6	13.7	20.5

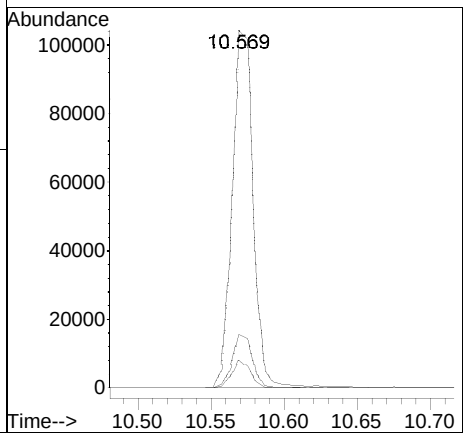


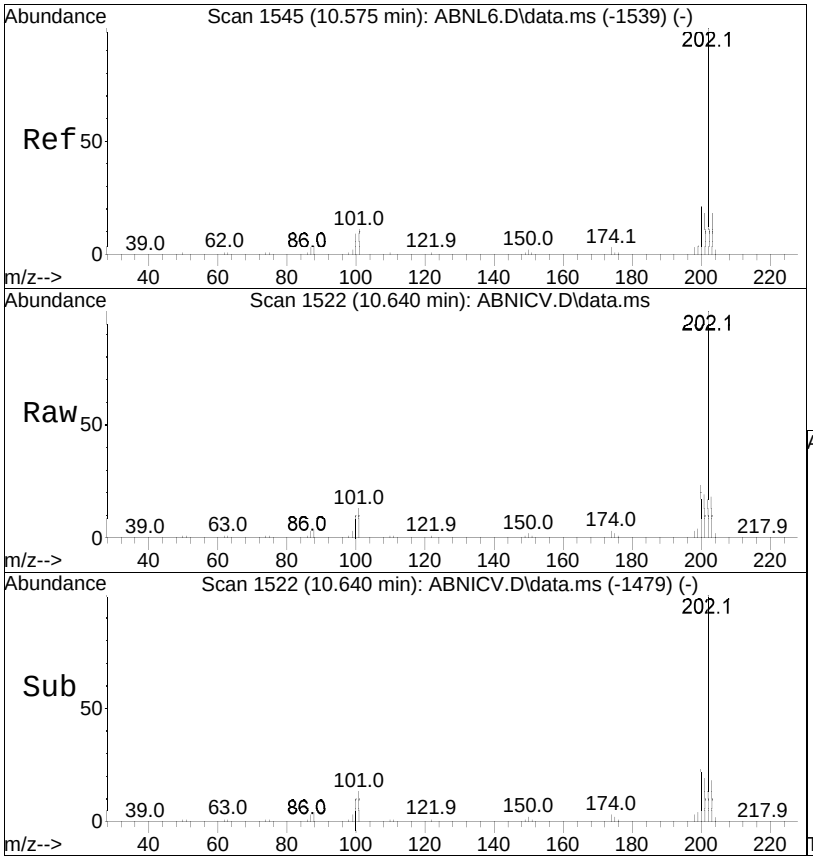


#94
Benzidine
Concen: 4.74 ug/ml
RT: 10.569 min Scan# 1510
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:184 Resp: 103255

Ion	Ratio	Lower	Upper
184	100		
92	6.9	7.3	10.9#
185	14.5	11.8	17.8

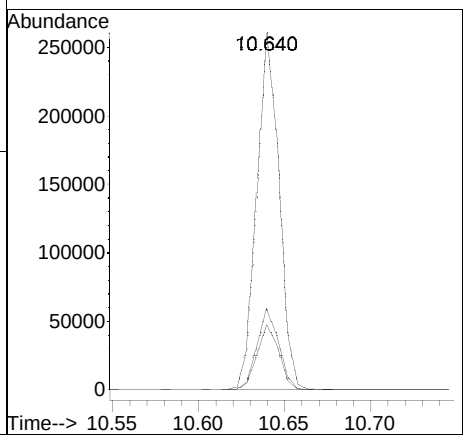


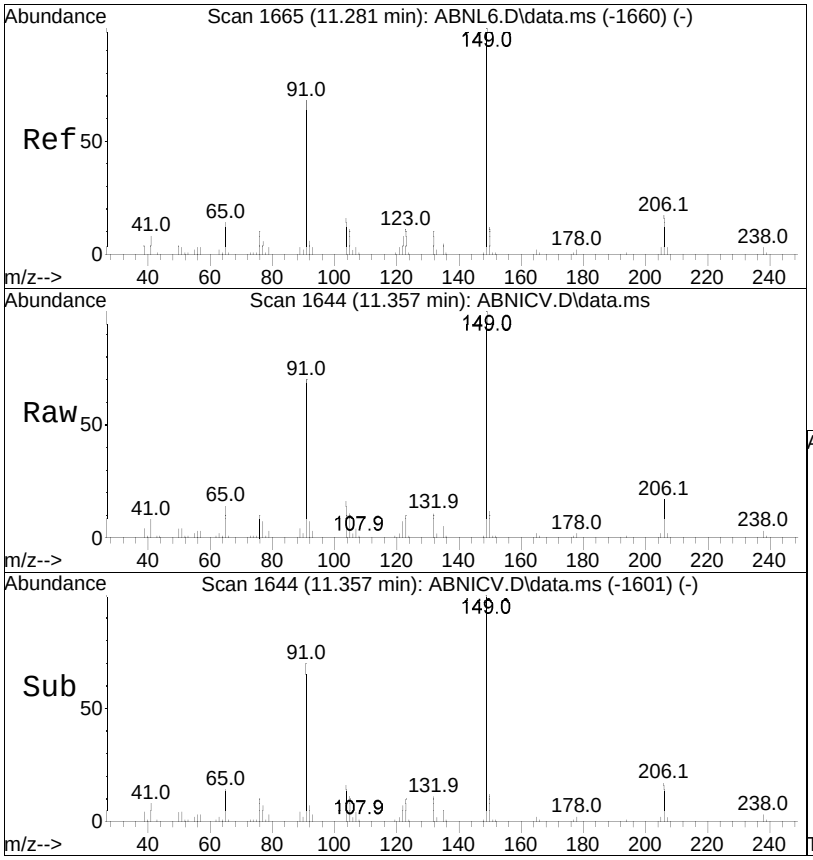


#95
Pyrene
Concen: 5.22 ug/ml
RT: 10.640 min Scan# 1522
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:202 Resp: 232542

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.9	25.3
203	18.1	14.3	21.5

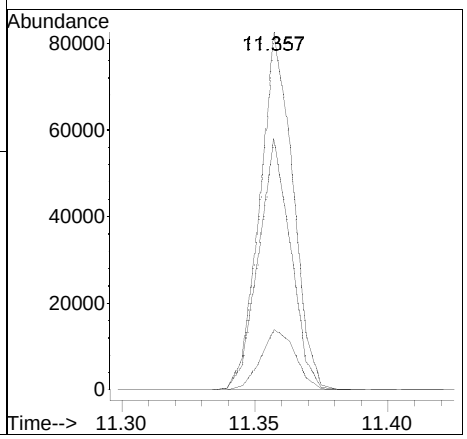


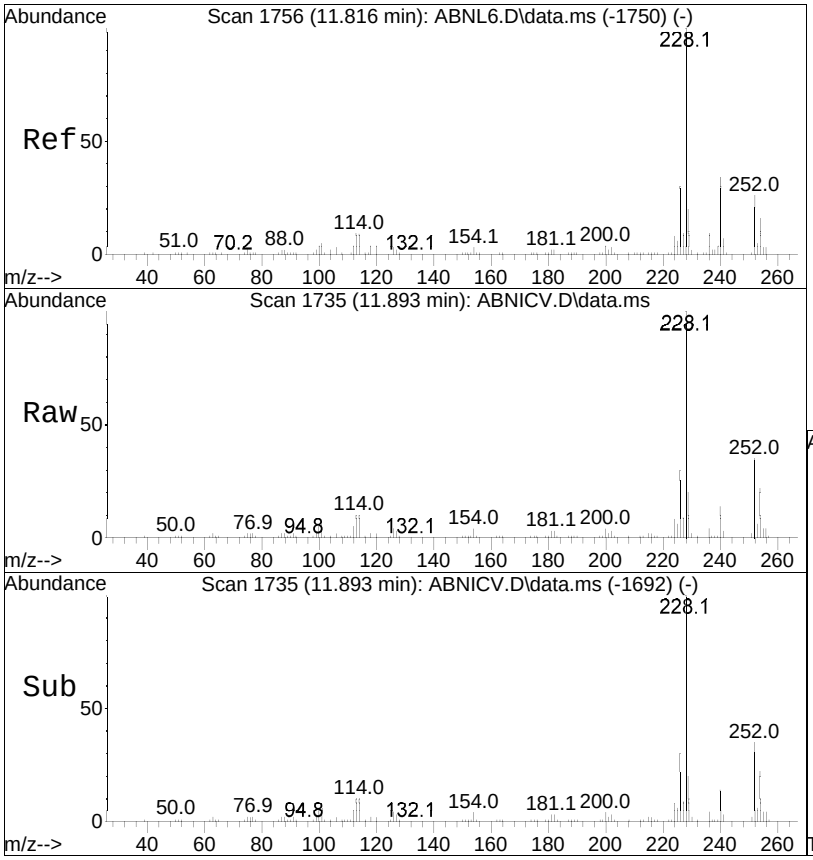


#97
Butyl benzyl phthalate
Concen: 4.58 ug/ml
RT: 11.357 min Scan# 1644
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:149 Resp: 70457

Ion	Ratio	Lower	Upper
149	100		
91	68.8	57.9	86.9
206	17.7	11.9	17.9

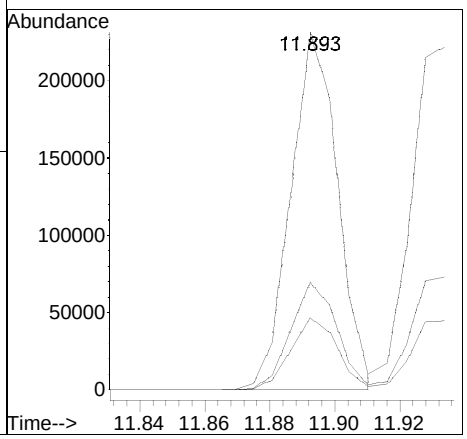


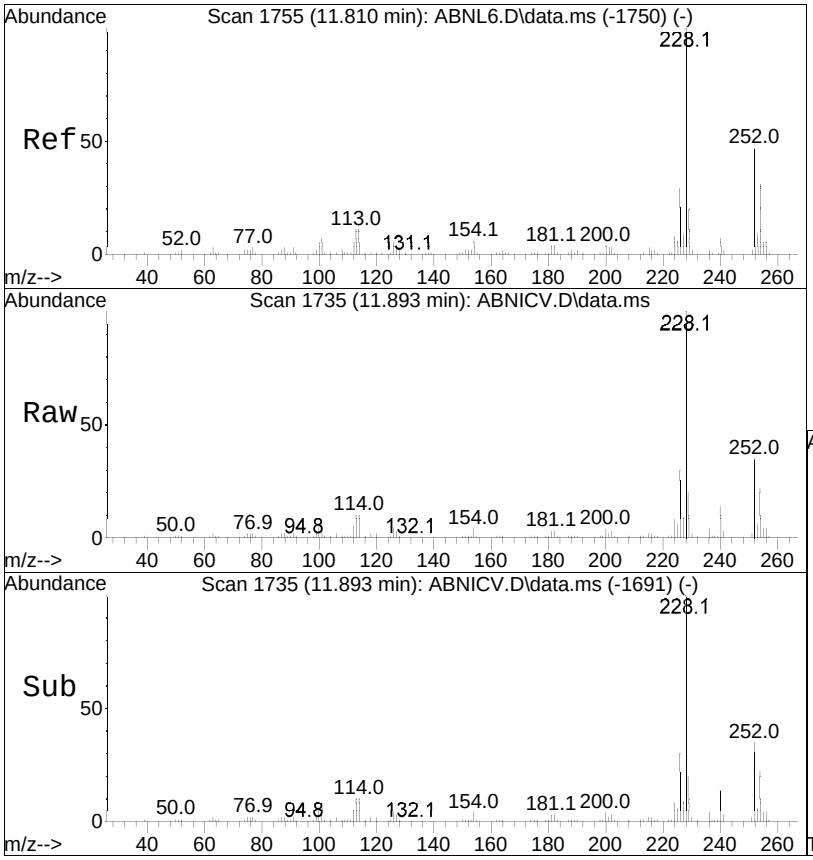


#105
Benzo(a)anthracene
Concen: 4.88 ug/ml
RT: 11.893 min Scan# 1735
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:228 Resp: 231688

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	34.0
229	20.0	15.8	23.6

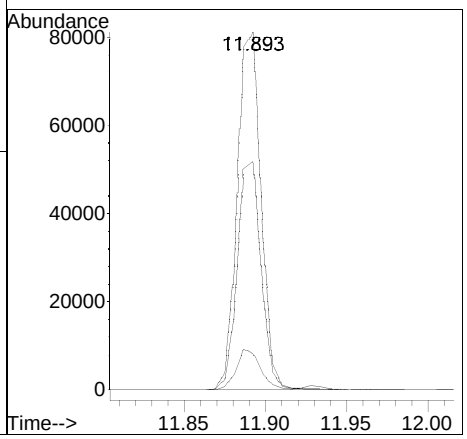


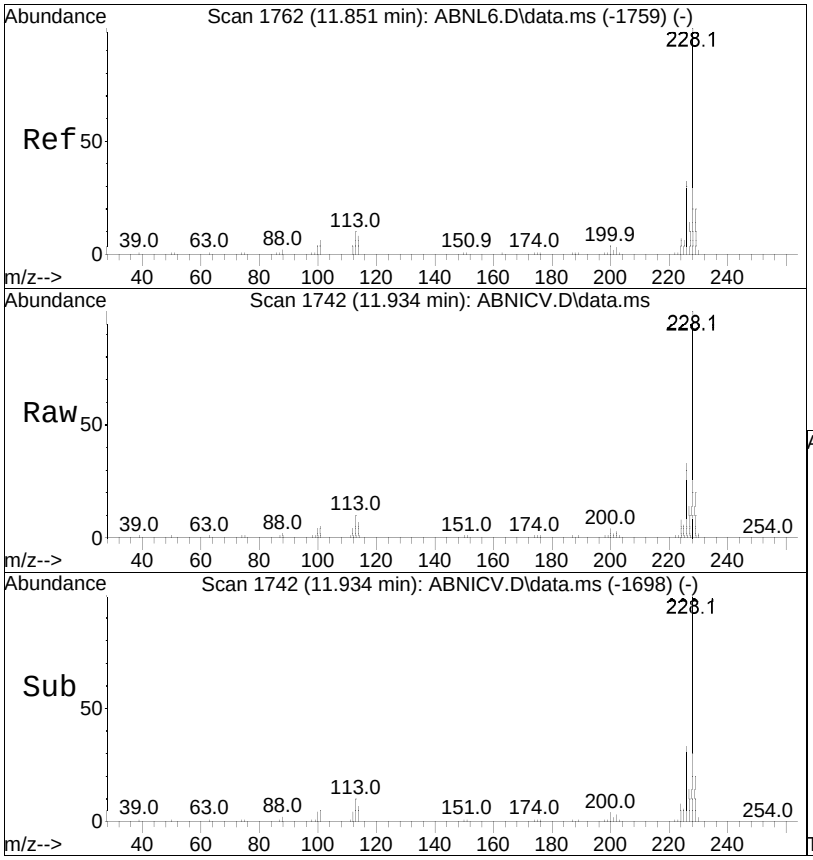


#106
3,3'-Dichlorobenzidine
Concen: 4.91 ug/ml
RT: 11.893 min Scan# 1735
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:252 Resp: 81889

Ion	Ratio	Lower	Upper
252	100		
126	11.6	12.6	19.0#
254	64.0	51.1	76.7

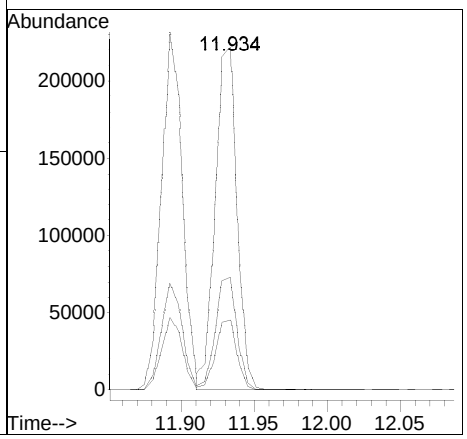


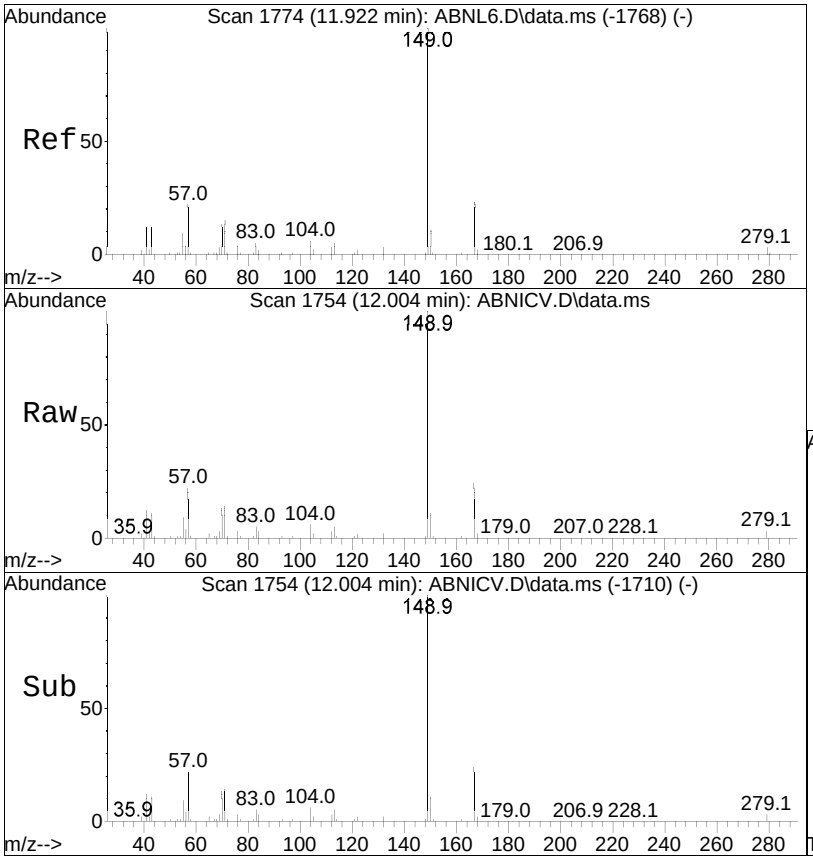


#107
Chrysene
Concen: 4.74 ug/ml
RT: 11.934 min Scan# 1742
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:228 Resp: 229718

Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.7	37.1
229	19.9	15.5	23.3

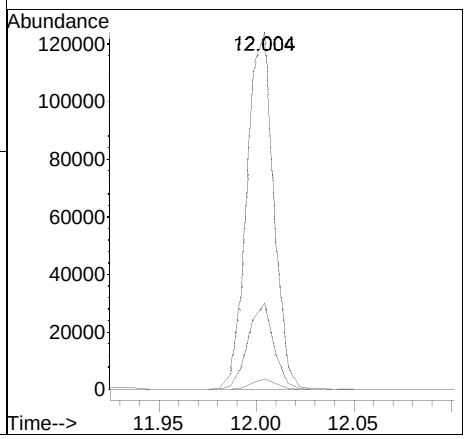


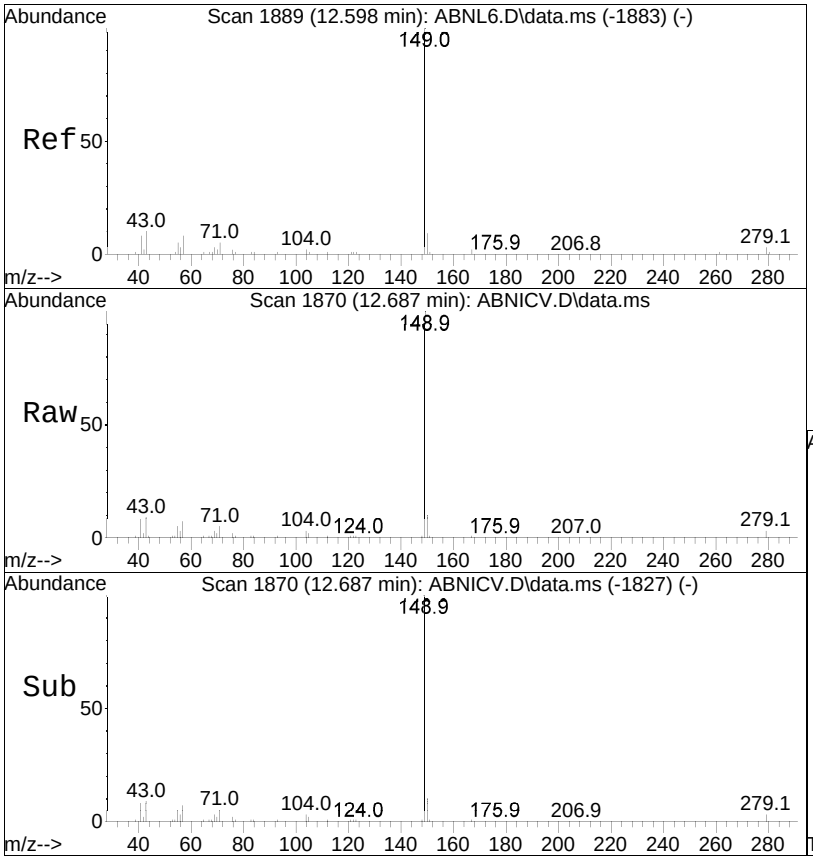


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.99 ug/ml
RT: 12.004 min Scan# 1754
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:149 Resp: 117394

Ion	Ratio	Lower	Upper
149	100		
167	23.3	18.4	27.6
279	2.5	1.7	2.5

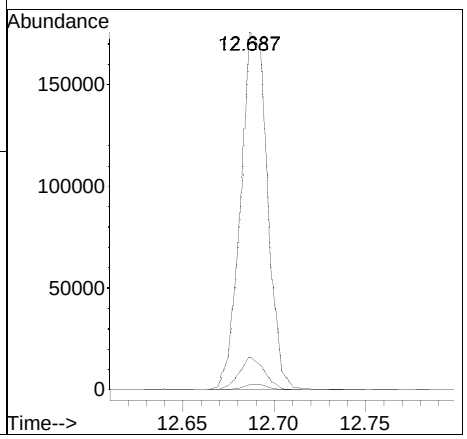


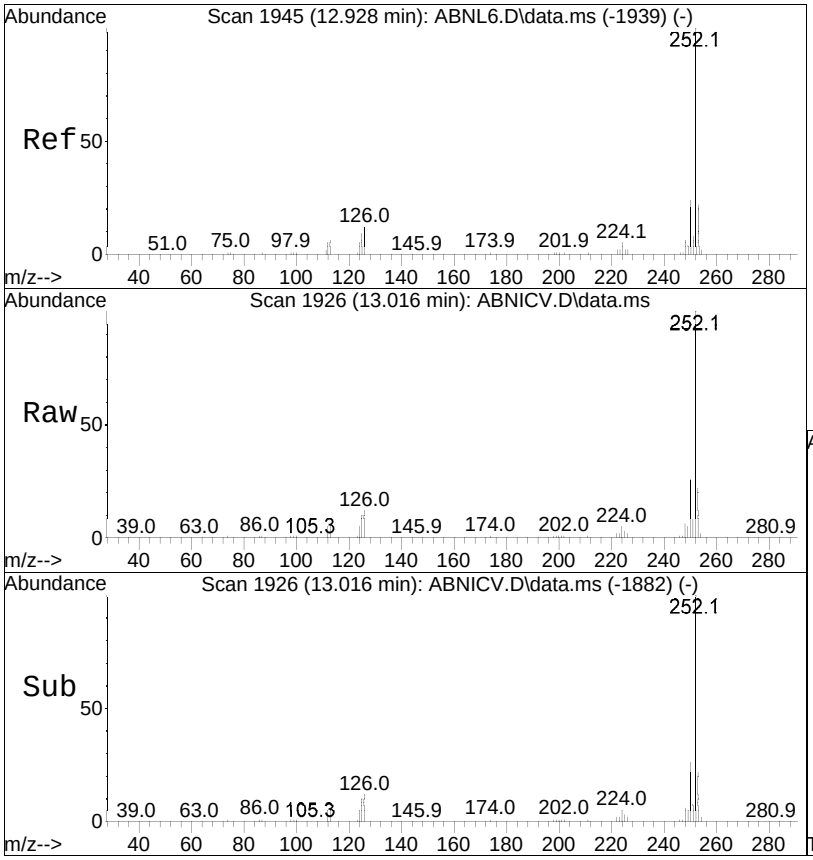


#109
Di-n-octylphthalate
Concen: 4.88 ug/ml
RT: 12.687 min Scan# 1870
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:149 Resp: 177236

Ion	Ratio	Lower	Upper
149	100		
43	8.7	8.2	12.2
167	1.4	1.1	1.7

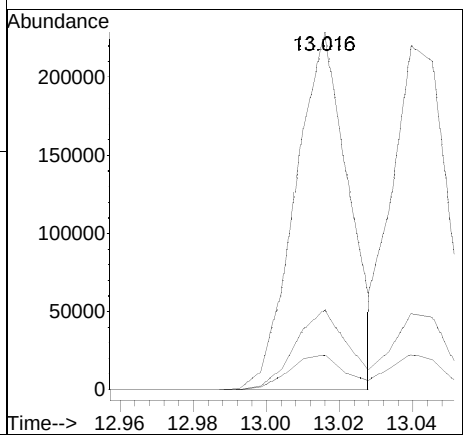


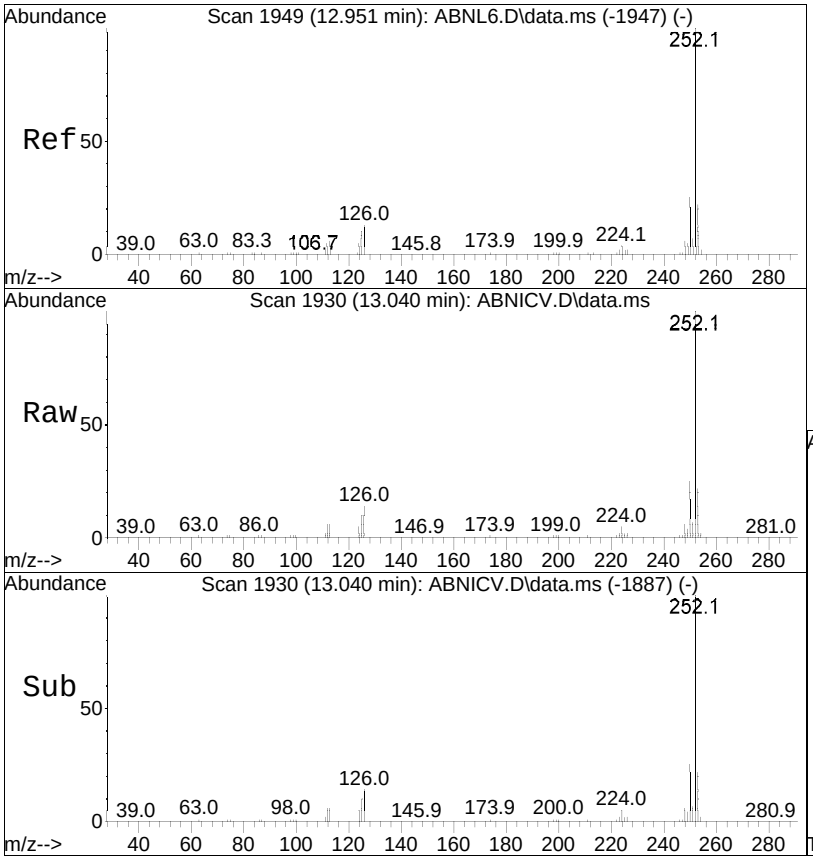


#110
Benzo(b)fluoranthene
Concen: 4.79 ug/ml
RT: 13.016 min Scan# 1926
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:252 Resp: 236458

Ion	Ratio	Lower	Upper
252	100		
125	10.4	11.3	16.9#
253	22.3	17.8	26.8

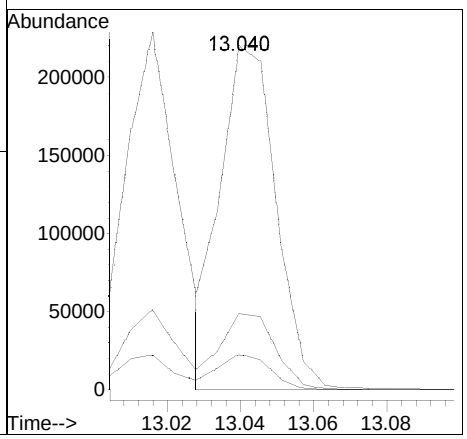


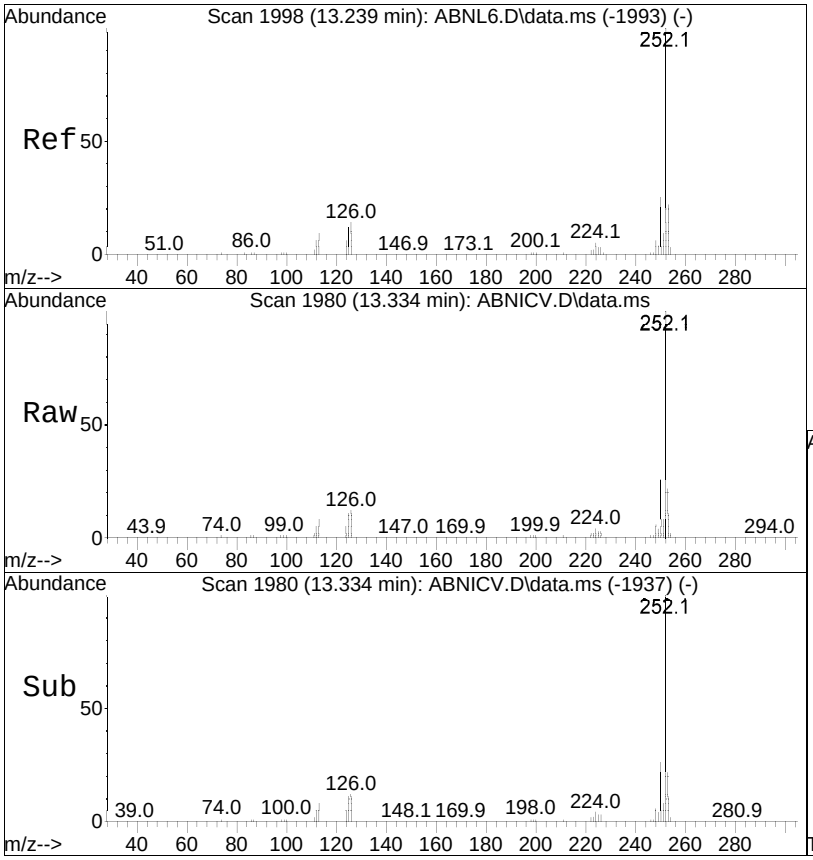


#111
Benzo(k)fluoranthene
Concen: 5.11 ug/ml M3
RT: 13.040 min Scan# 1930
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:252 Resp: 231605

Ion	Ratio	Lower	Upper
252	100		
125	10.6	11.5	17.3#
253	22.7	17.6	26.4

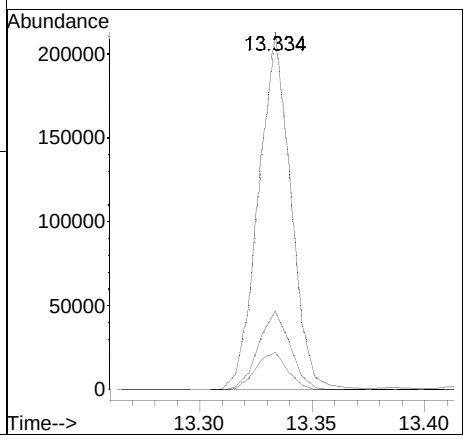


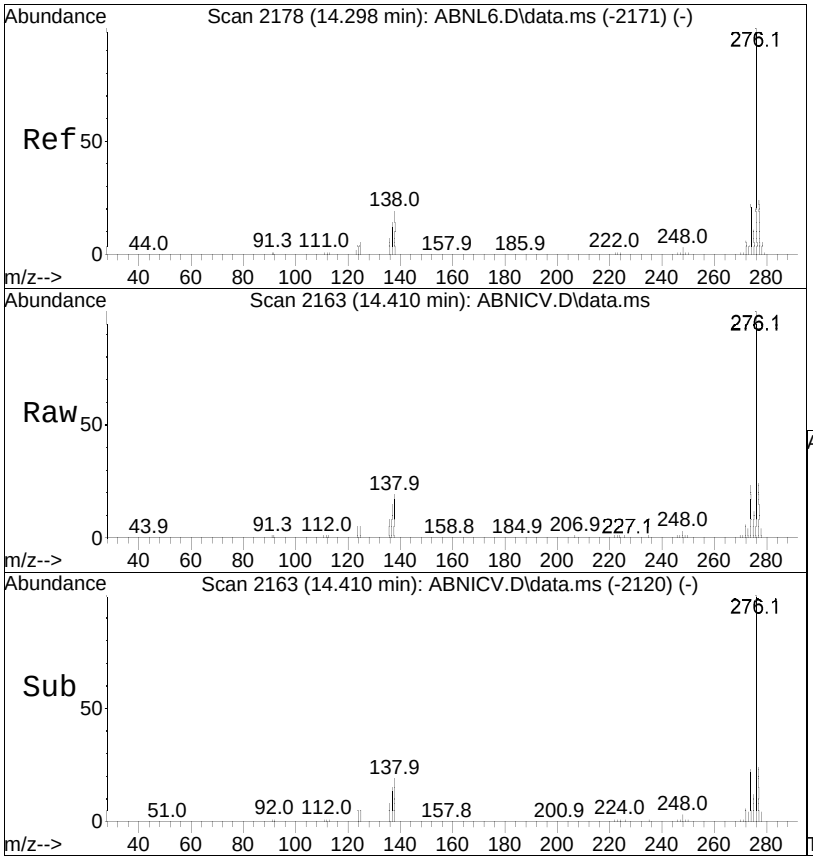


#112
Benzo(a)pyrene
Concen: 4.98 ug/ml
RT: 13.334 min Scan# 1980
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:252 Resp: 211059

Ion	Ratio	Lower	Upper
252	100		
125	10.8	12.6	18.8#
253	22.1	17.5	26.3

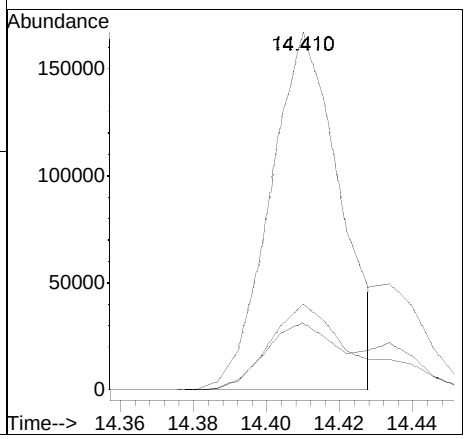


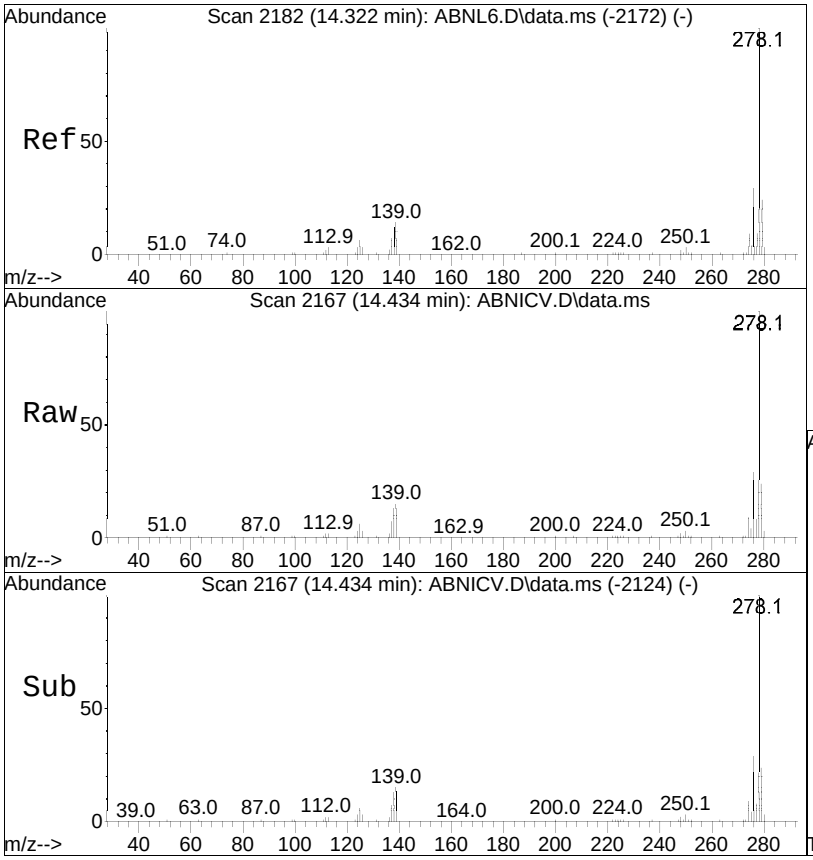


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.81 ug/mL M6
RT: 14.410 min Scan# 2163
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:276 Resp: 223683

Ion	Ratio	Lower	Upper
276	100		
138	29.7	22.1	33.1
277	30.4	19.0	28.6#

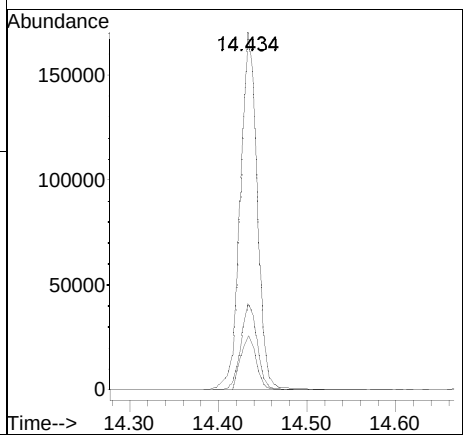


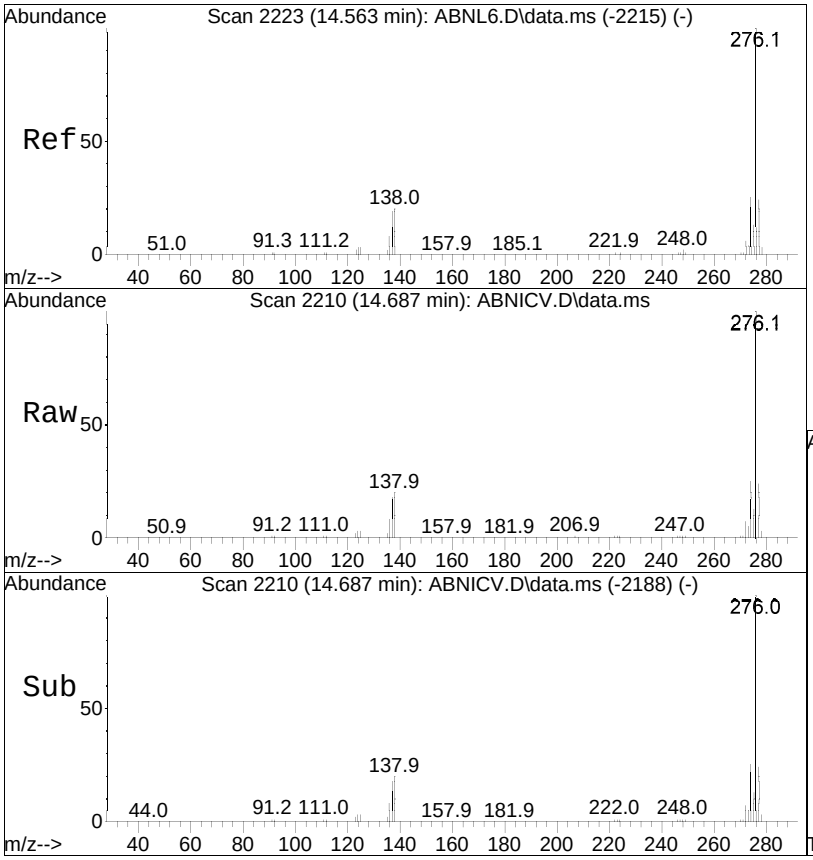


#115
Dibenzo(a,h)anthracene
Concen: 5.11 ug/ml
RT: 14.434 min Scan# 2167
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:278 Resp: 223781

Ion	Ratio	Lower	Upper
278	100		
139	14.2	17.8	26.8#
279	23.7	19.2	28.8

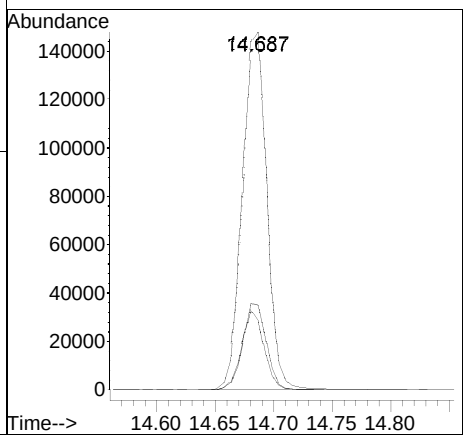




#116
Benzo(ghi)perylene
Concen: 4.88 ug/ml
RT: 14.687 min Scan# 2210
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 16 Dec 2024 05:08 am

Tgt Ion:276 Resp: 213205

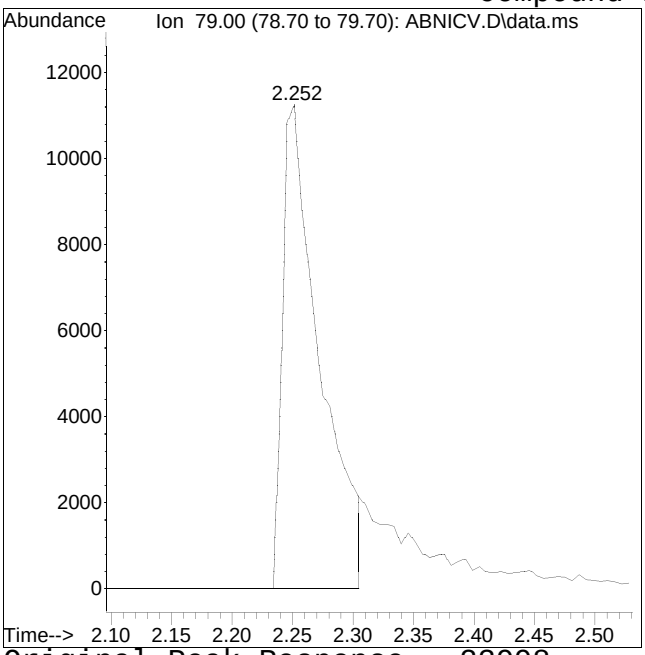
Ion	Ratio	Lower	Upper
276	100		
138	20.6	21.9	32.9#
277	23.4	18.4	27.6

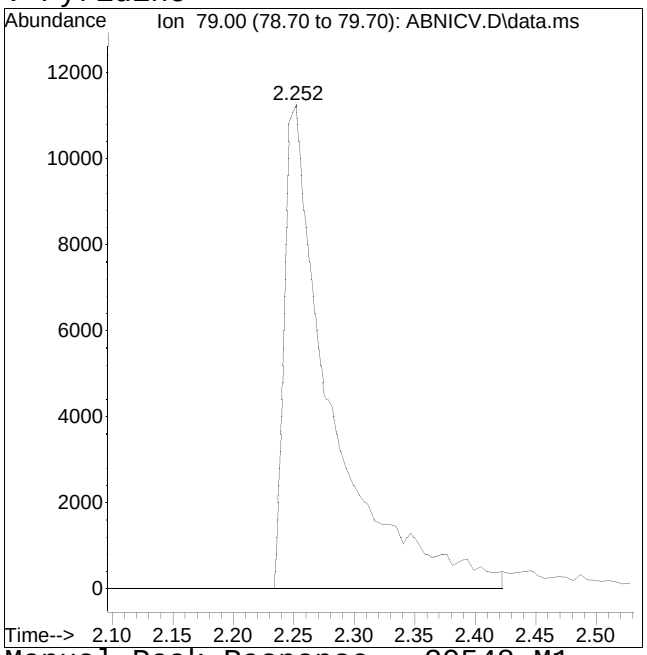


Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNICV.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 5:08 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 112Quant Date : 12/17/2024 10:59 am

Compound #3: Pyridine



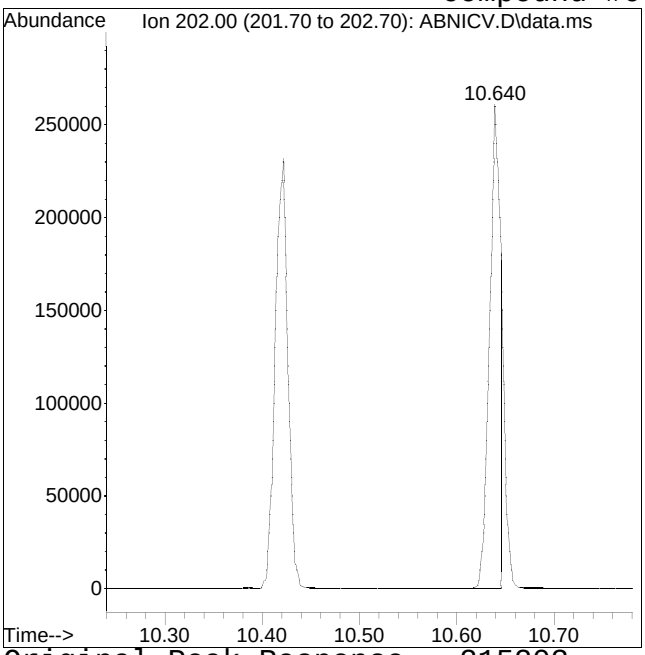


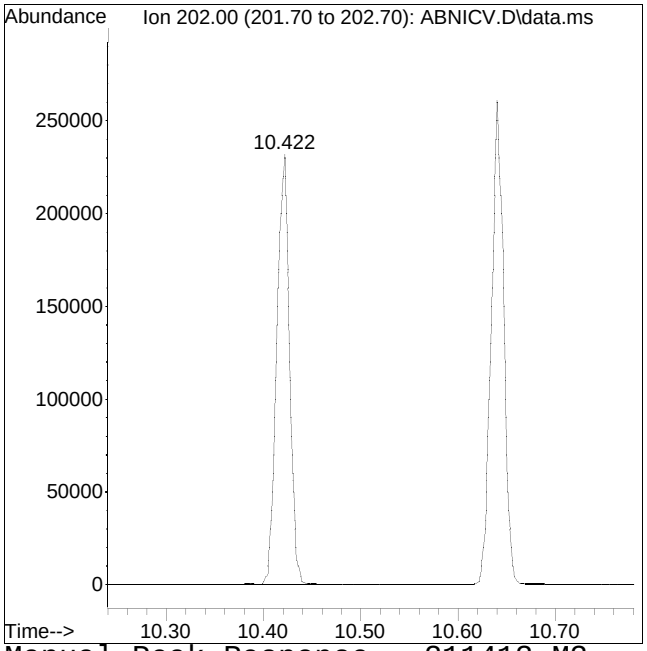
Original Peak Response = 23998 Manual Peak Response = 30548 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNICV.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 5:08 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 112Quant Date : 12/17/2024 10:59 am

Compound #93: Fluoranthene



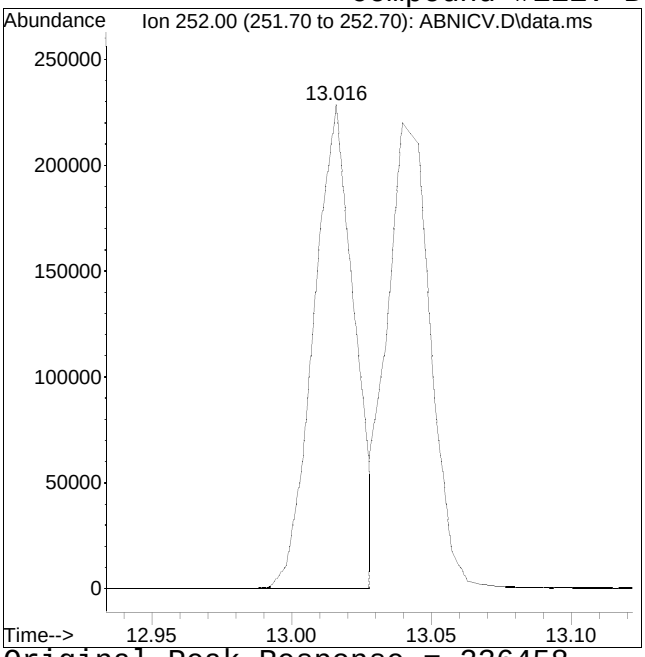


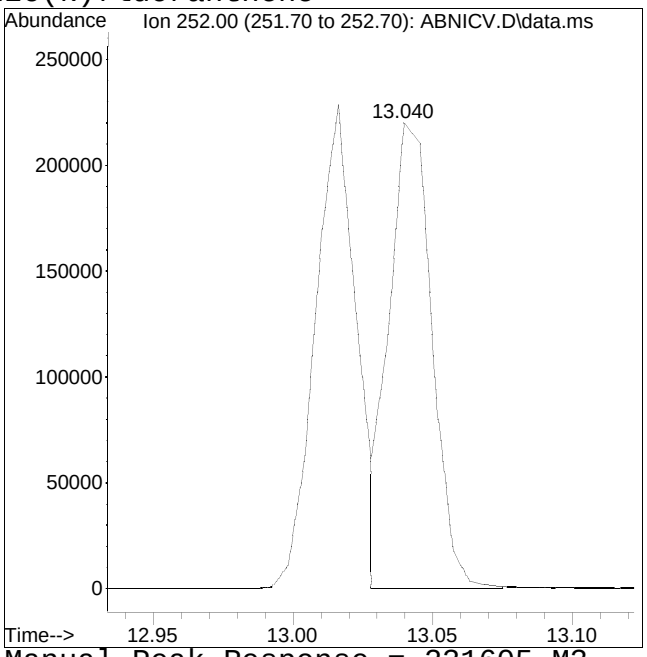
Original Peak Response = 215203 Manual Peak Response = 211413 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ABNICV.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 5:08 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 112Quant Date : 12/17/2024 10:59 am

Compound #111: Benzo(k)fluoranthene



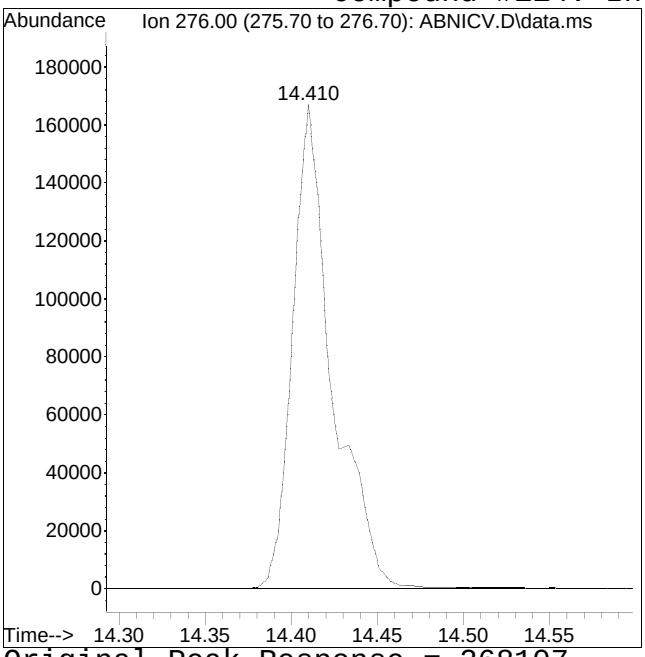


Original Peak Response = 236458 Manual Peak Response = 231605 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

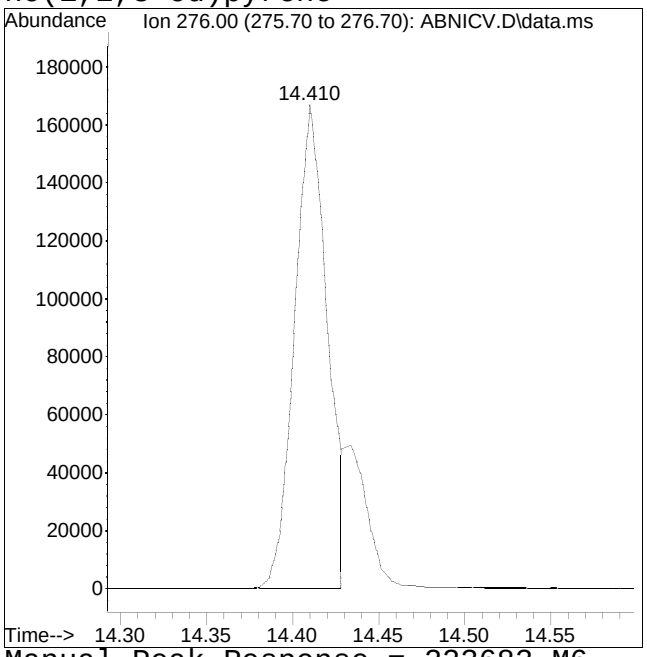
Manual Integration Report

Data Path : I:\8270\SV112\241215RV TicaQMethod : FS241215SV112RVT.m
Data File : ABNICV.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 5:08 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 112 Quant Date : 12/17/2024 10:59 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 268107



Manual Peak Response = 223683 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9ICV.D
Acq On : 16 Dec 2024 05:33 am
Operator : SV112:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11203
Misc : WG2010188
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 16 15:11:11 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	85	0.00
28	T	Benzaldehyde		0.832	0.787	5.4	86	0.00
29	T	Acetophenone		1.813	1.656	8.7	86	0.00
30	T	m-Toluidine		1.357	1.356	0.1	86	0.00
31	T	2-Chloroaniline		1.570	1.517	3.4	86	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	85	0.00
56	T	a-Terpineol		0.253	0.229	9.5	85	0.00
57	T	3-Chloroaniline		0.130	0.128	1.5	84	0.00
58	T	2,6-Dichlorophenol		0.312	0.302	3.2	85	0.00
59	T	1-chloro-2-nitrobenzene		0.141	0.128	9.2	81	0.00
60	T	Caprolactam	*	5.000	4.223	15.5	83	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.468	0.421	10.0	84	0.00
62	T	Biphenyl		0.969	0.894	7.7	85	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	83	0.00
84	T	Dichloran		0.169	0.165	2.4	85	0.00
85	T	Pentachloronitrobenzene		0.190	0.184	3.2	81	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	83	0.00
99	T	Diphenamid		0.455	0.428	5.9	82	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9ICV.D
Acq On : 16 Dec 2024 05:33 am
Operator : SV112:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11203
Misc : WG2010188
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 16 15:11:11 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	24099	4.000	ug/ml	0.00
Standard Area 1 = 28337			Recovery = 85.04%			
55) IS2_Naphthalene-d8	6.075	136	88784	4.000	ug/ml	0.00
Standard Area 1 = 104265			Recovery = 85.15%			
83) IS2_Acenaphthene-d10	7.793	164	52362	4.000	ug/ml	0.00
Standard Area 1 = 62951			Recovery = 83.18%			
98) IS2_Phenanthrene-d10	9.234	188	114621	4.000	ug/ml	# 0.00
Standard Area 1 = 137988			Recovery = 83.07%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.399	105	23717	4.731	ug/ml	99
29) Acetophenone	5.228	105	49881	4.568	ug/ml	96
30) m-Toluidine	5.311	106	40856	4.999	ug/ml	98
31) 2-Chloroaniline	5.675	127	45700	4.832	ug/ml	98
56) a-Terpineol	6.122	59	25359	4.509	ug/ml	89
57) 3-Chloroaniline	6.140	65	14163	4.915	ug/ml	96
58) 2,6-Dichlorophenol	6.169	162	33532	4.839	ug/ml#	88
59) 1-chloro-2-nitrobenzene	6.422	111	14240	4.558	ug/ml	94
60) Caprolactam	6.458	55	12557	4.223	ug/ml	90
61) 1,2,4,5-Tetrachloroben...	6.946	216	46686	4.491	ug/ml	97
62) Biphenyl	7.240	154	99247	4.617	ug/ml	98
84) Dichloran	8.922	206	10781	4.872	ug/ml#	64
85) Pentachloronitrobenzene	9.075	237	12065	4.862	ug/ml#	84
99) Diphenamid	10.140	167	61377	4.711	ug/ml	87

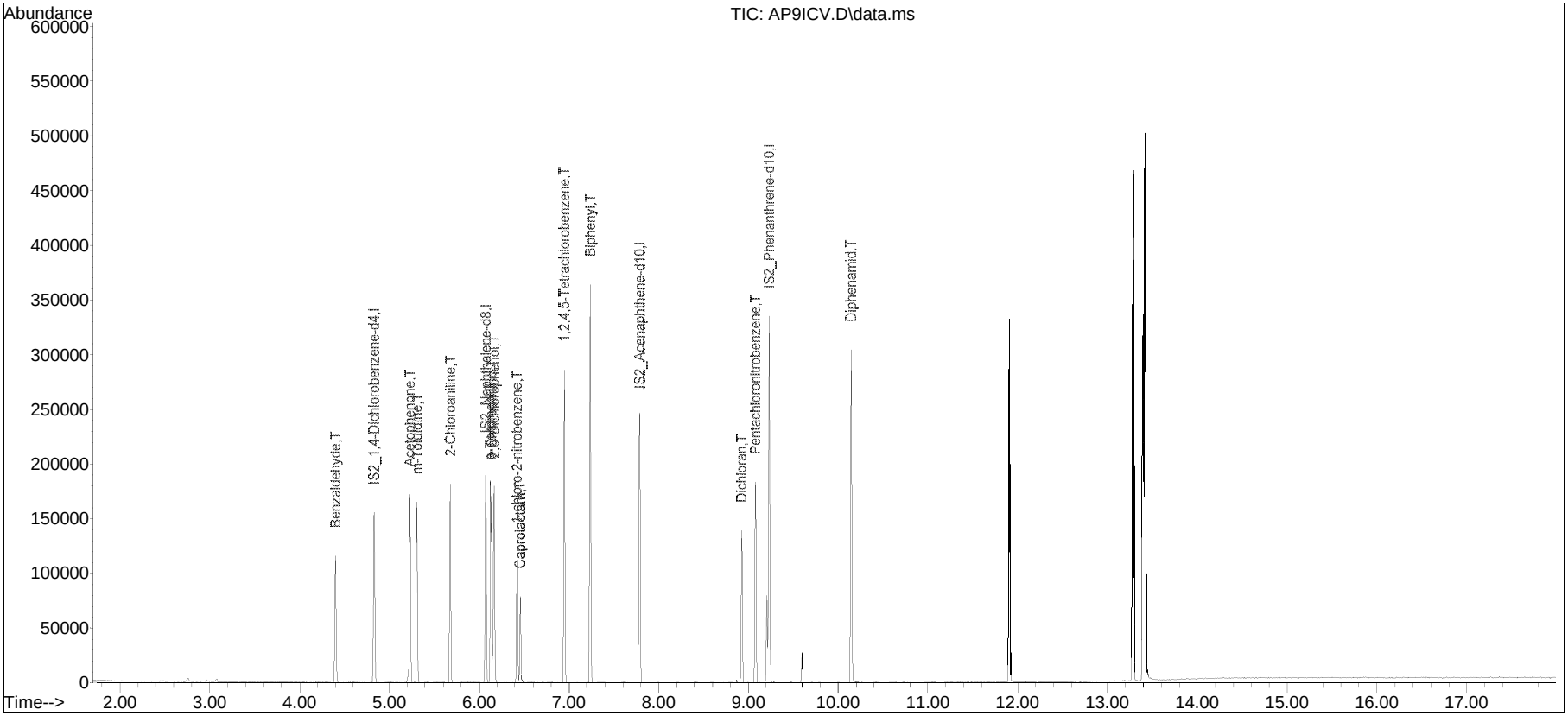
(#) = qualifier out of range (m) = manual integration (+) = signals summed

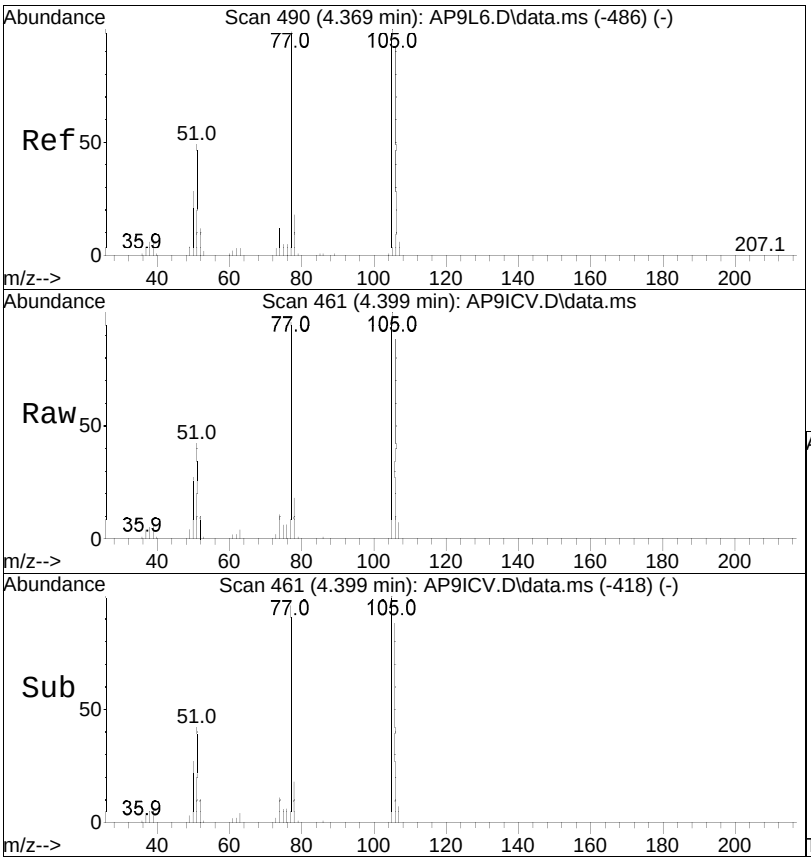
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : AP9ICV.D
Acq On : 16 Dec 2024 05:33 am
Operator : SV112:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11203
Misc : WG2010188
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 16 15:11:11 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 15:06:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

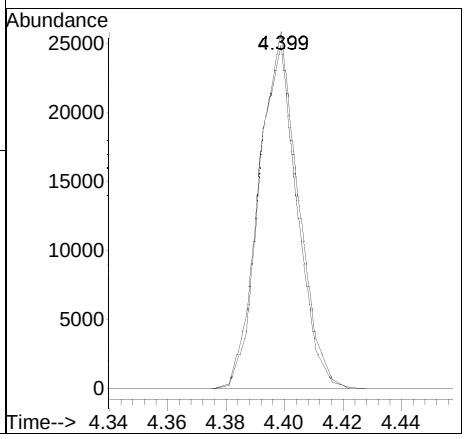


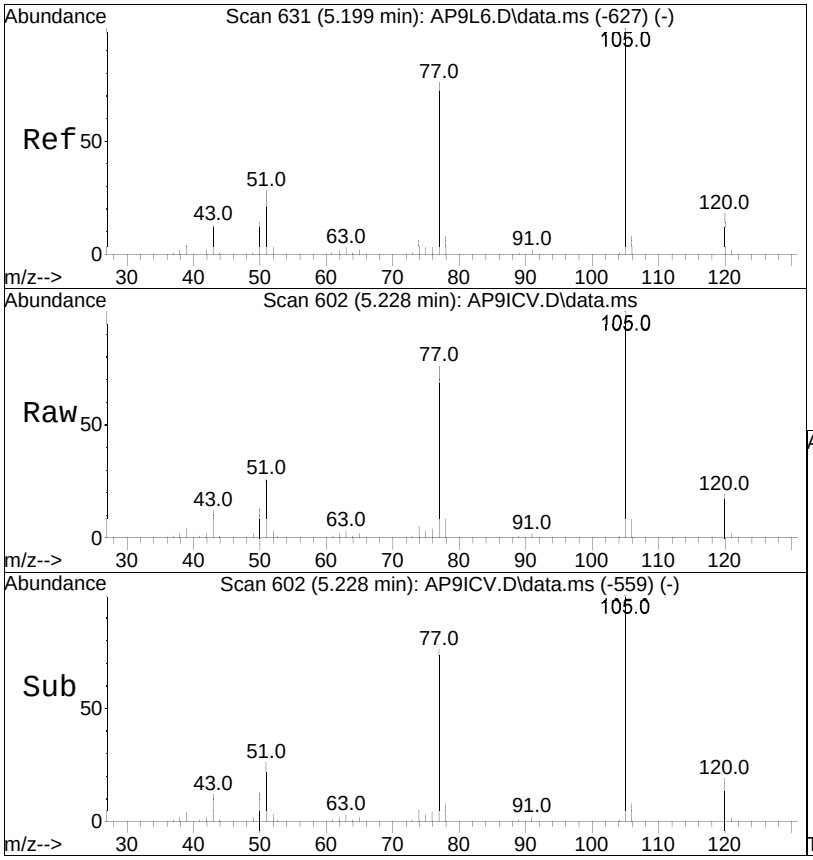


#28
Benzaldehyde
Concen: 4.73 ug/ml
RT: 4.399 min Scan# 461
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:105 Resp: 23717

Ion	Ratio	Lower	Upper
105	100		
77	97.0	77.0	115.6

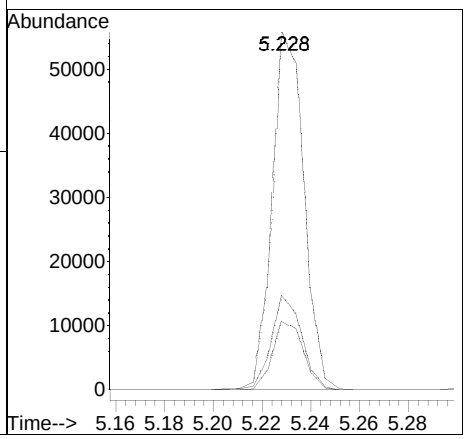


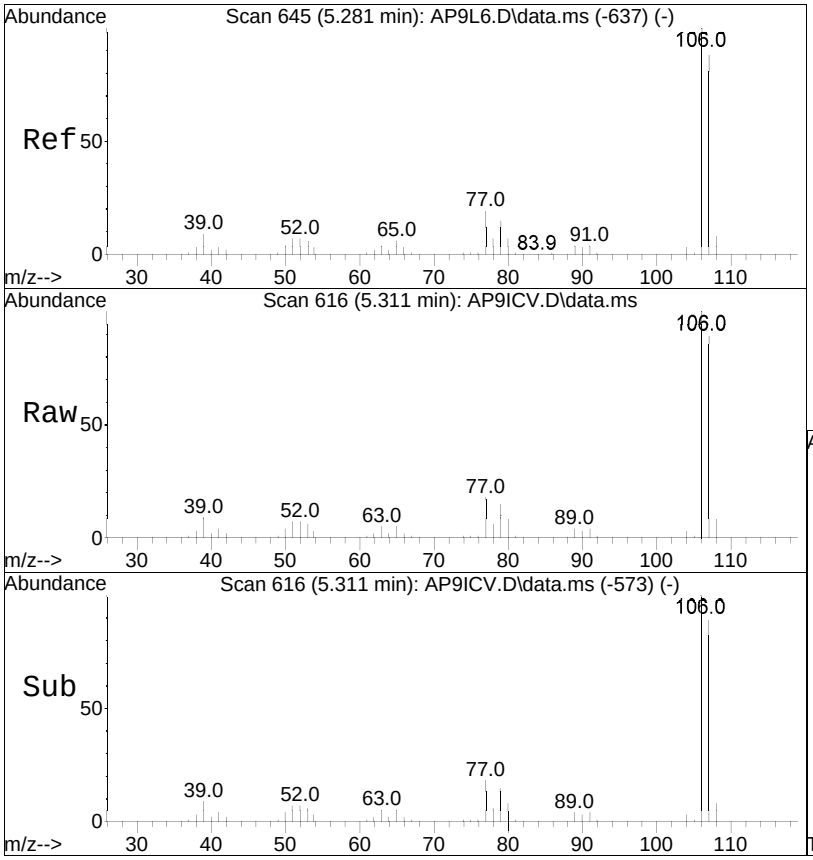


#29
Acetophenone
Concen: 4.57 ug/ml
RT: 5.228 min Scan# 602
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:105 Resp: 49881

Ion	Ratio	Lower	Upper
105	100		
120	18.8	15.2	22.8
51	25.7	23.1	34.7

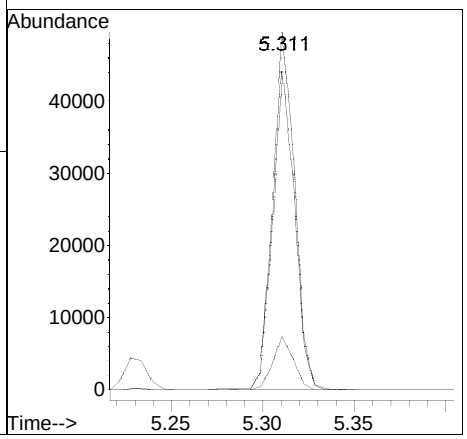


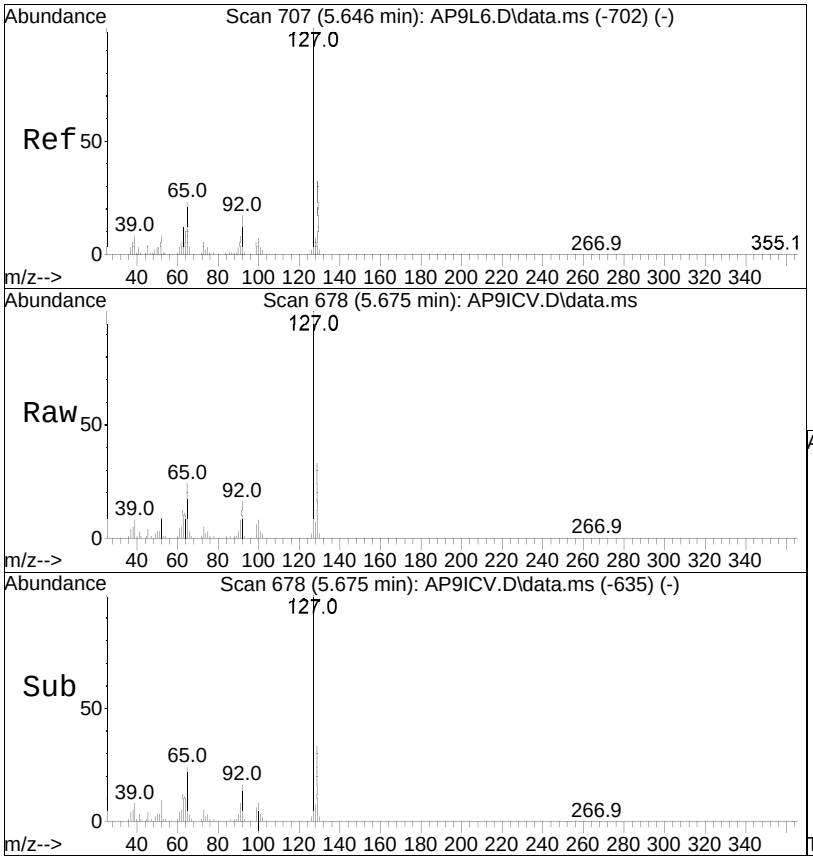


#30
m-Toluidine
Concen: 5.00 ug/ml
RT: 5.311 min Scan# 616
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:106 Resp: 40856

Ion	Ratio	Lower	Upper
106	100		
107	88.7	72.3	108.5
79	14.1	12.2	18.2

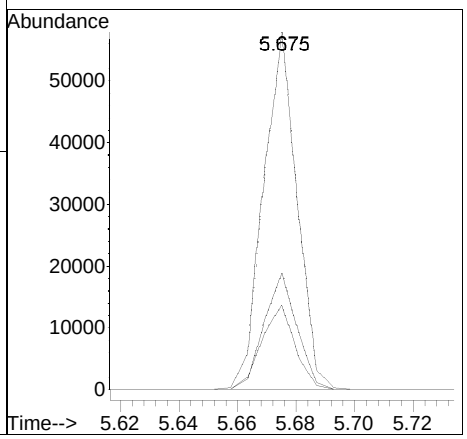


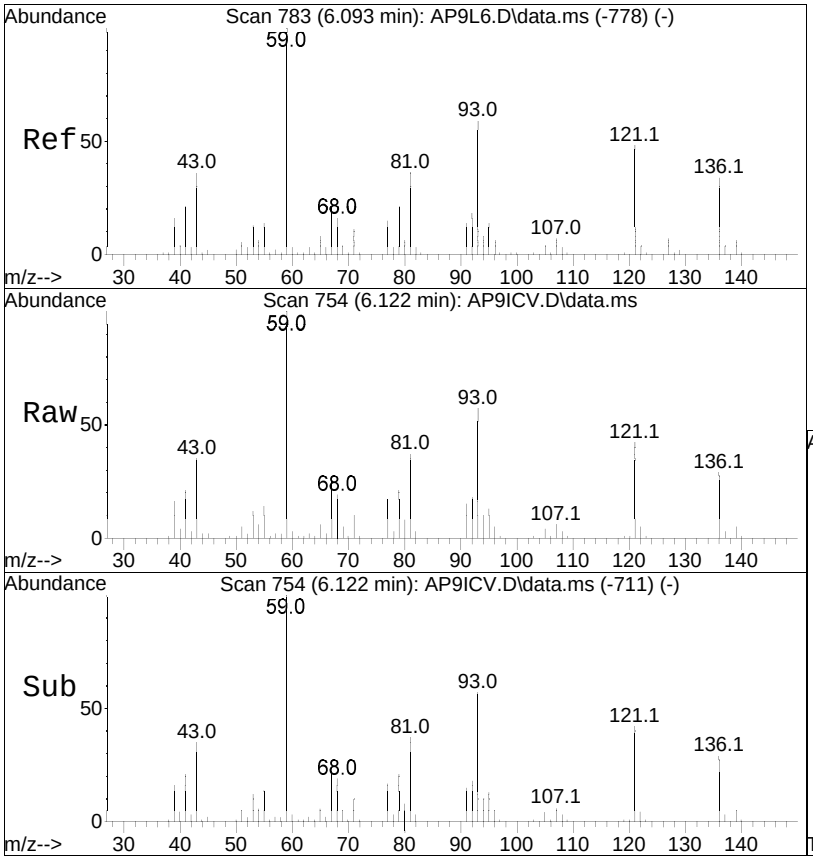


#31
2-Chloroaniline
Concen: 4.83 ug/ml
RT: 5.675 min Scan# 678
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:127 Resp: 45700

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	23.7	20.5	30.7

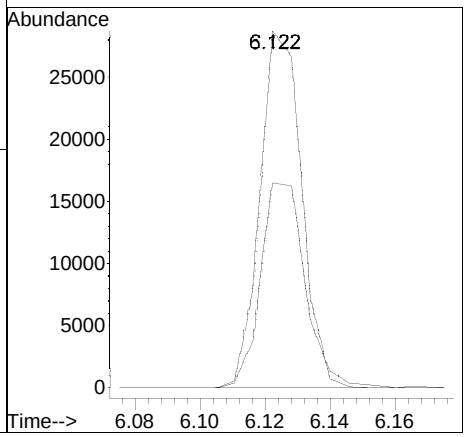


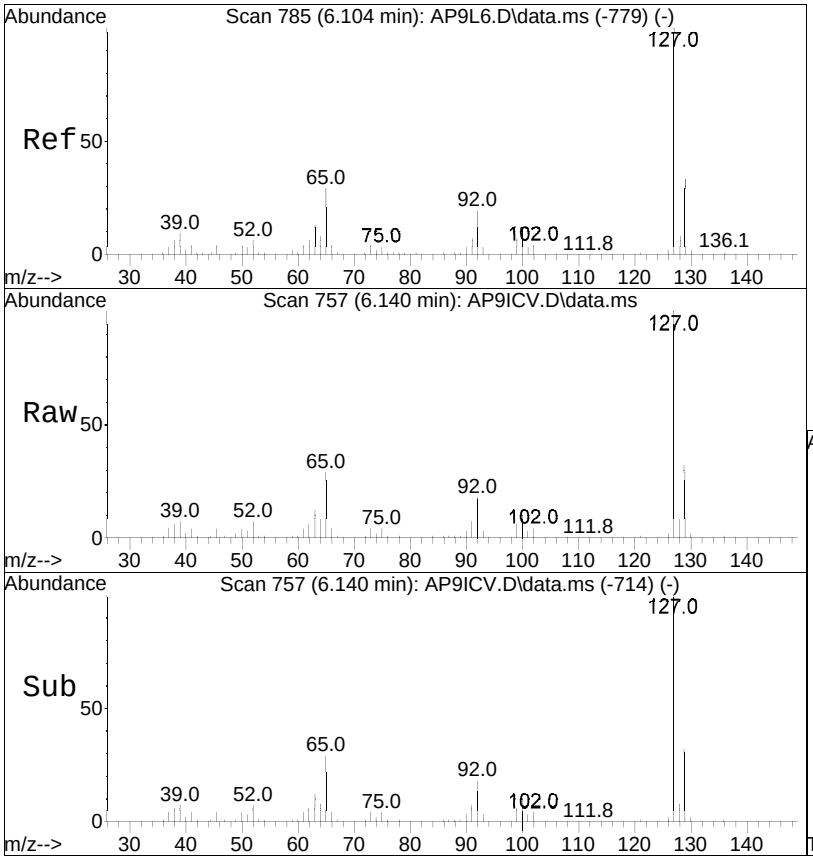


#56
a-Terpineol
Concen: 4.51 ug/ml
RT: 6.122 min Scan# 754
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion: 59 Resp: 25359

Ion	Ratio	Lower	Upper
59	100		
93	62.1	43.5	65.3

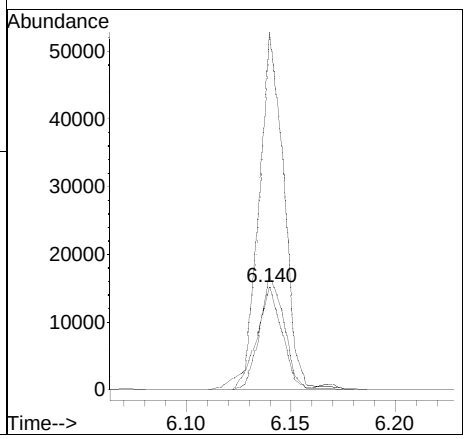


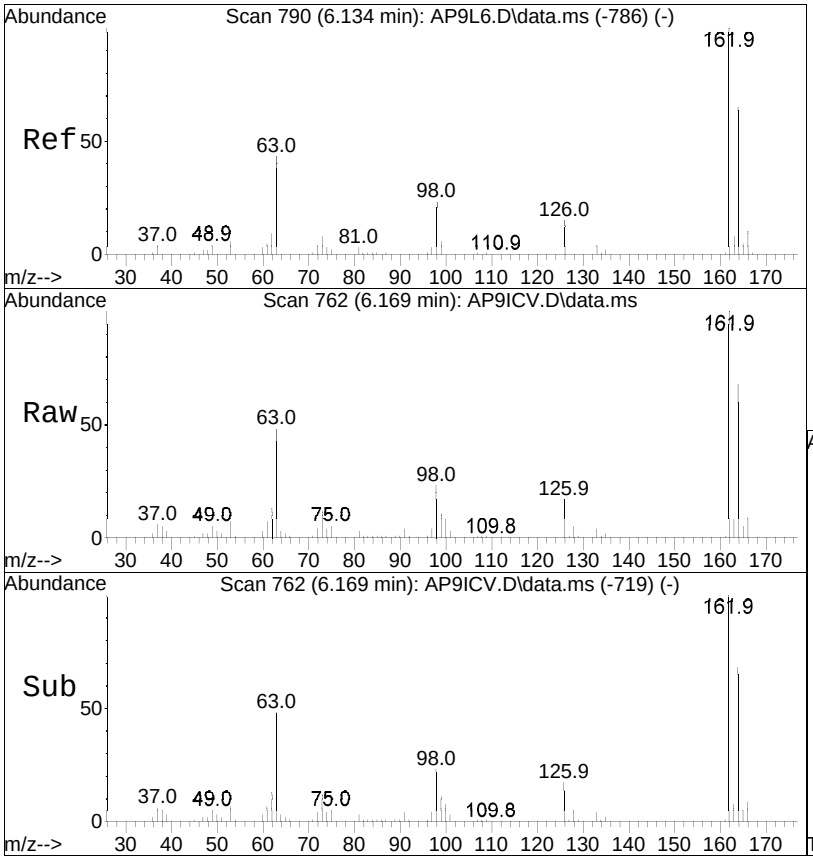


#57
3-Chloroaniline
Concen: 4.91 ug/ml
RT: 6.140 min Scan# 757
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion: 65 Resp: 14163

Ion	Ratio	Lower	Upper
65	100		
127	303.9	236.6	355.0
129	97.6	76.6	115.0

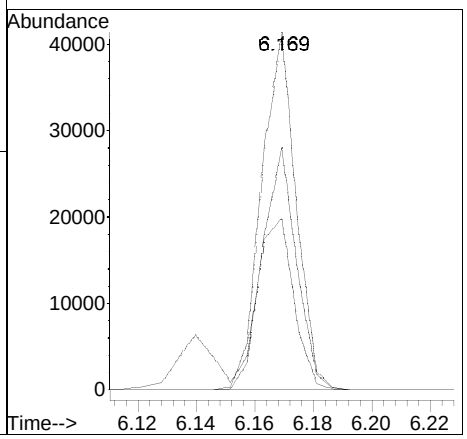


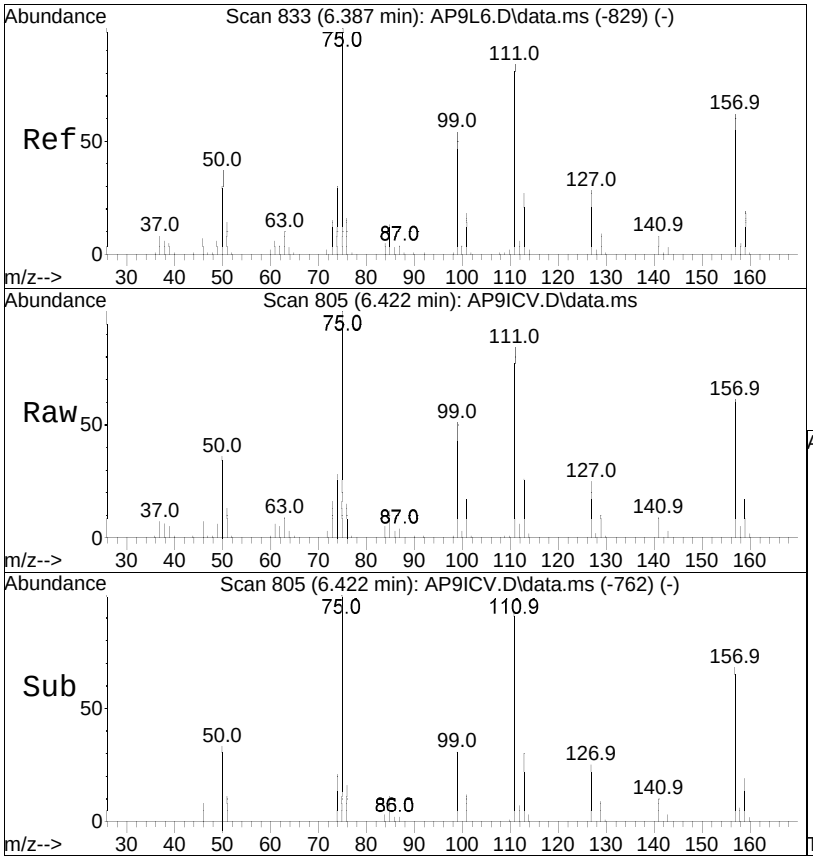


#58
2,6-Dichlorophenol
Concen: 4.84 ug/ml
RT: 6.169 min Scan# 762
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:162 Resp: 33532

Ion	Ratio	Lower	Upper
162	100		
164	66.8	50.8	76.2
63	51.2	53.6	80.4#

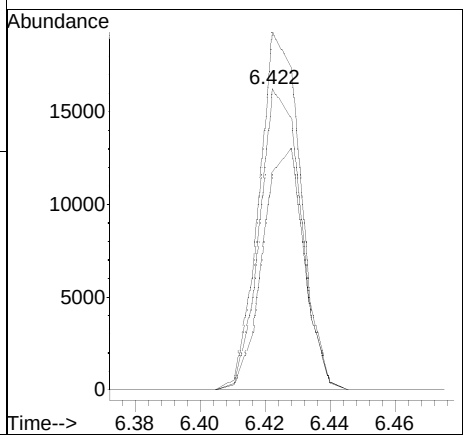


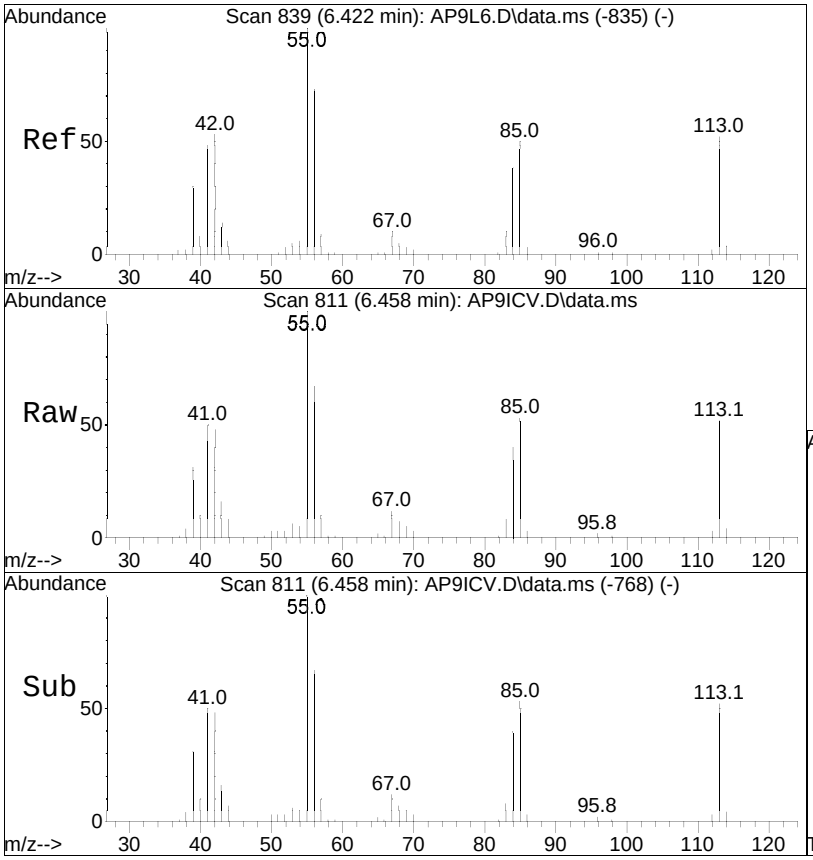


#59
1-chloro-2-nitrobenzene
Concen: 4.56 ug/ml
RT: 6.422 min Scan# 805
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:111 Resp: 14240

Ion	Ratio	Lower	Upper
111	100		
157	80.6	56.2	84.2
75	119.8	97.8	146.6

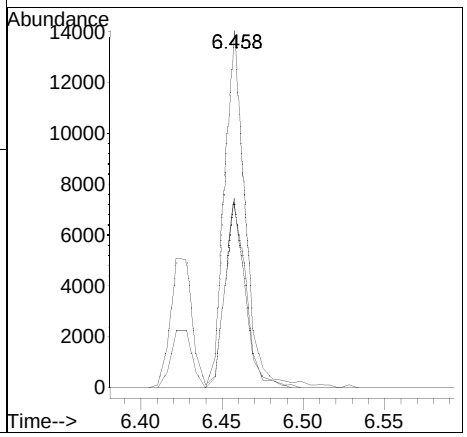


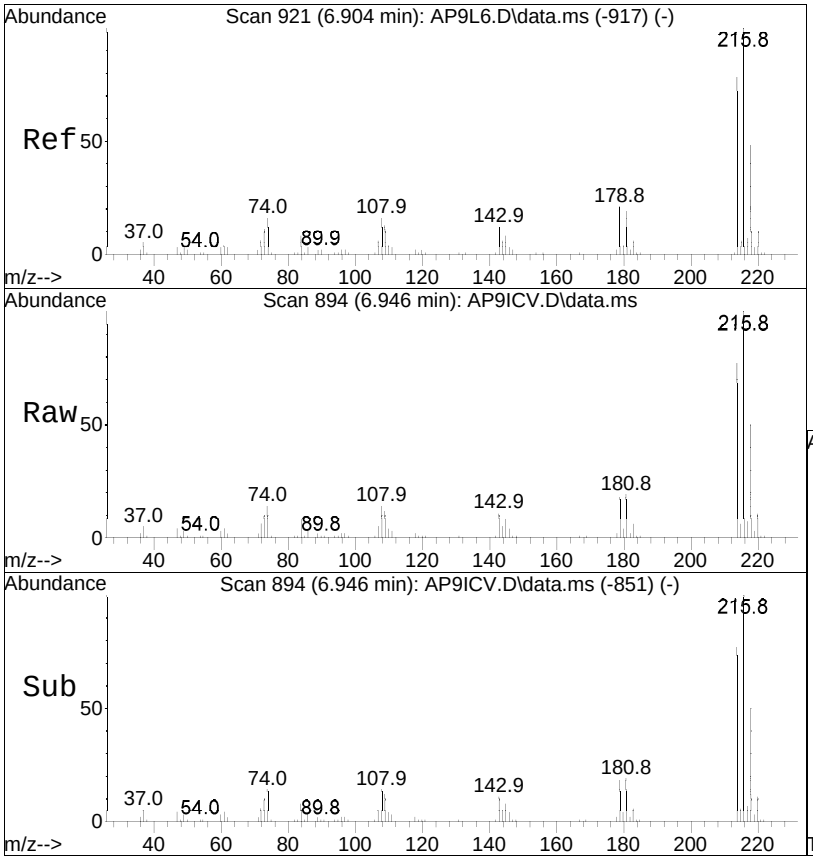


#60
Caprolactam
Concen: 4.22 ug/ml
RT: 6.458 min Scan# 811
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion: 55 Resp: 12557

Ion	Ratio	Lower	Upper
55	100		
85	50.7	35.2	52.8
113	52.4	36.6	55.0

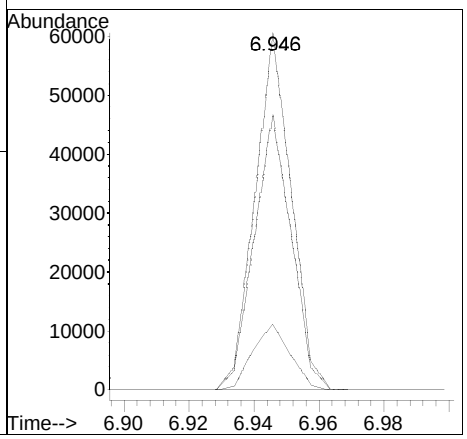


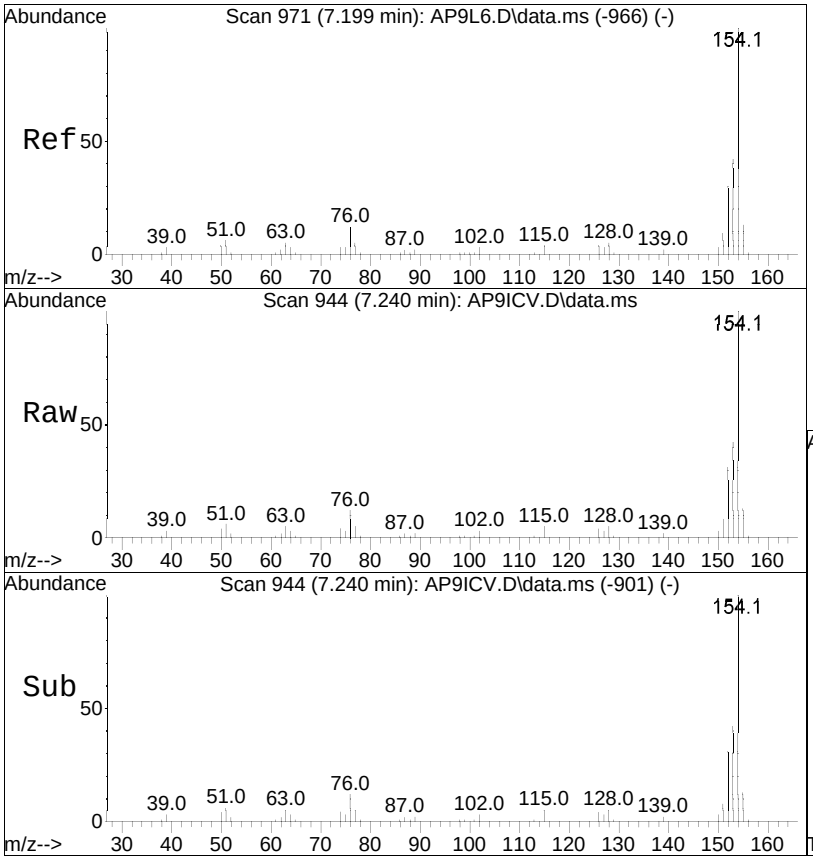


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.49 ug/ml
RT: 6.946 min Scan# 894
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:216 Resp: 46686

Ion	Ratio	Lower	Upper
216	100		
214	78.9	64.0	96.0
179	19.1	18.7	28.1

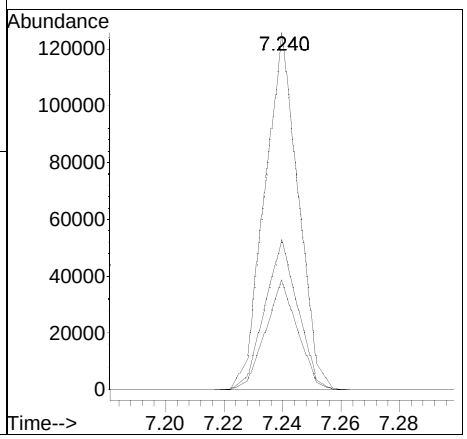


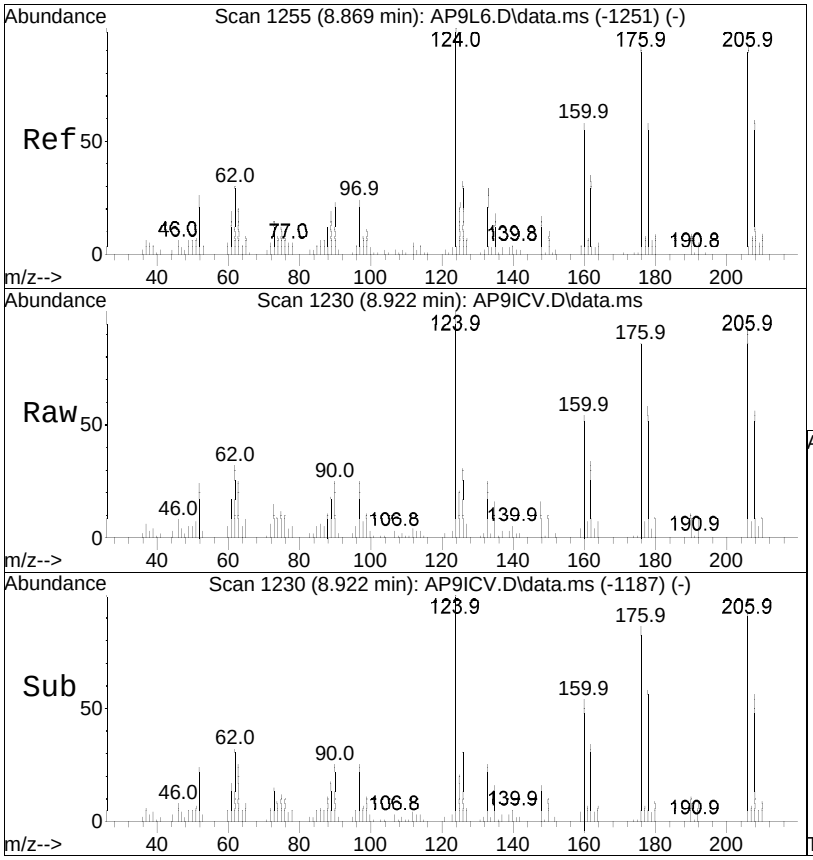


#62
Biphenyl
Concen: 4.62 ug/ml
RT: 7.240 min Scan# 944
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:154 Resp: 99247

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.5	48.7
152	29.9	22.6	34.0

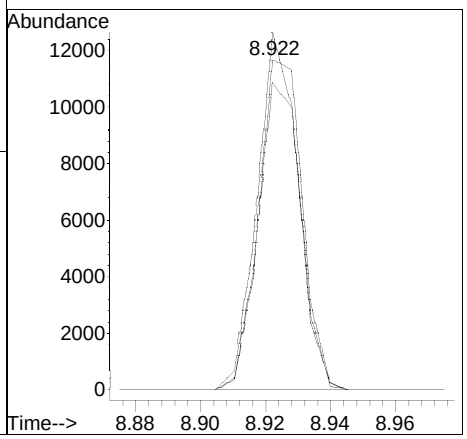


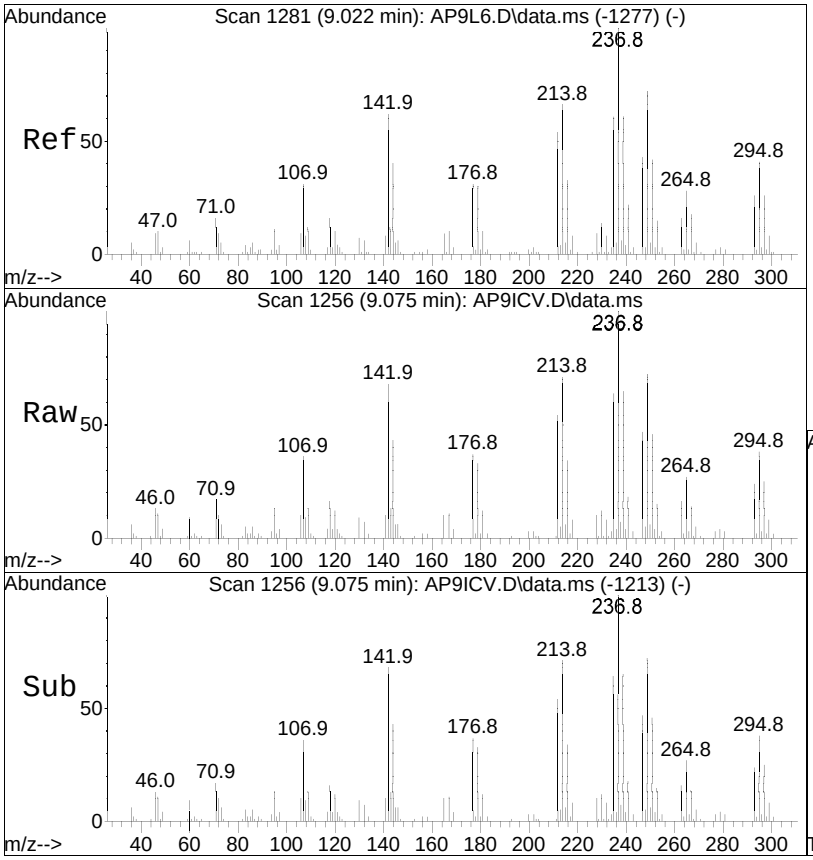


#84
Dichloran
Concen: 4.87 ug/ml
RT: 8.922 min Scan# 1230
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:206 Resp: 10781

Ion	Ratio	Lower	Upper
206	100		
176	91.6	98.8	148.2#
124	102.1	125.8	188.6#

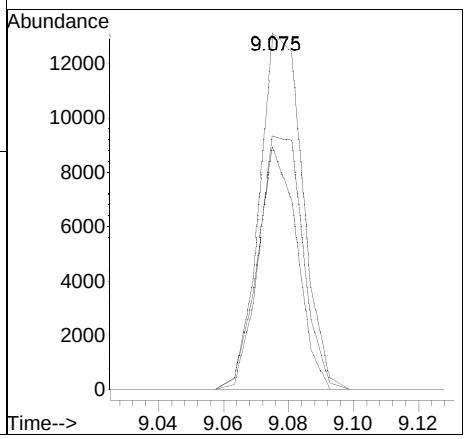


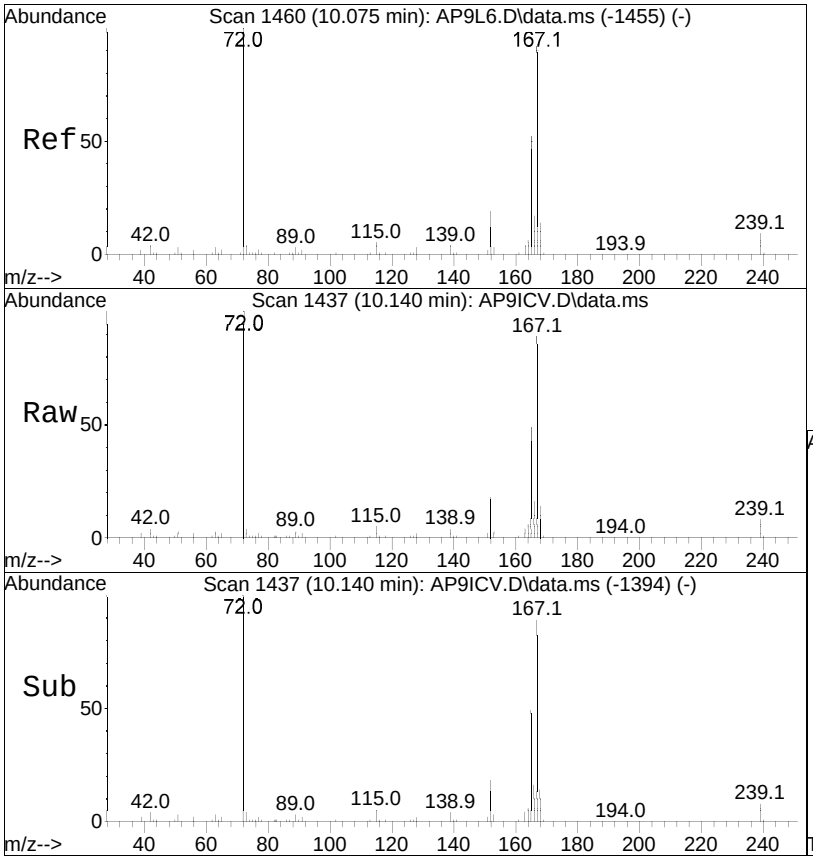


#85
Pentachloronitrobenzene
Concen: 4.86 ug/ml
RT: 9.075 min Scan# 1256
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:237 Resp: 12065

Ion	Ratio	Lower	Upper
237	100		
142	62.6	70.3	105.5#
214	72.2	59.4	89.2

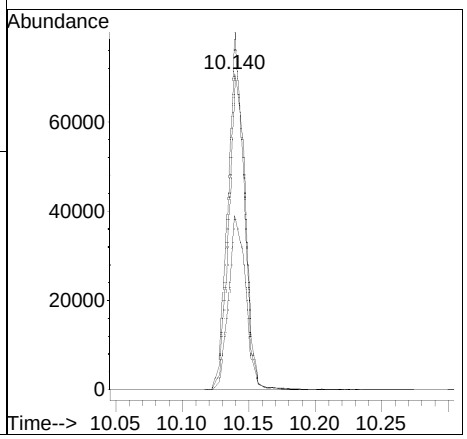




#99
Diphenamid
Concen: 4.71 ug/ml
RT: 10.140 min Scan# 1437
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 16 Dec 2024 05:33 am

Tgt Ion:167 Resp: 61377

Ion	Ratio	Lower	Upper
167	100		
72	107.1	98.9	148.3
165	56.8	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: AP9ICV.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 5:33 am	Instrument	: SV112
Sample	: CQICV2,32,,AP9ICV Lot# 112	Quant Date	: 12/16/2024 3:12 pm

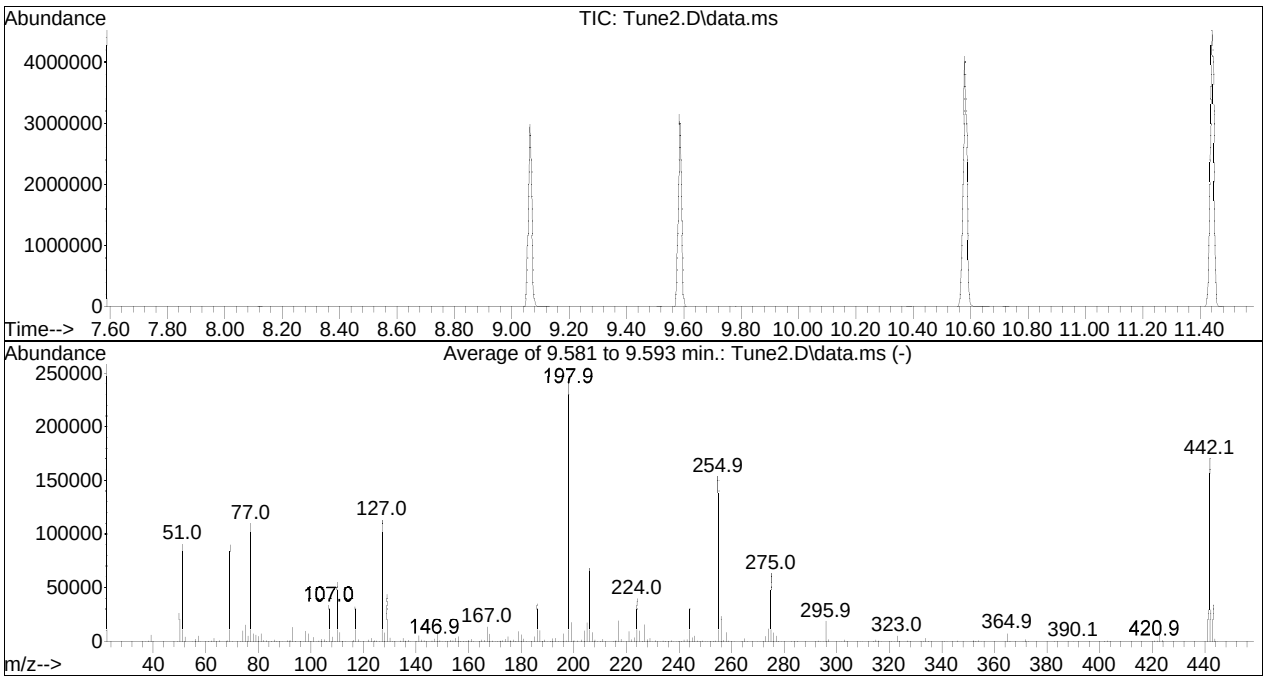
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune2.D
Acq On : 16 Dec 2024 05:57 am
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 16 15:06:46 2024



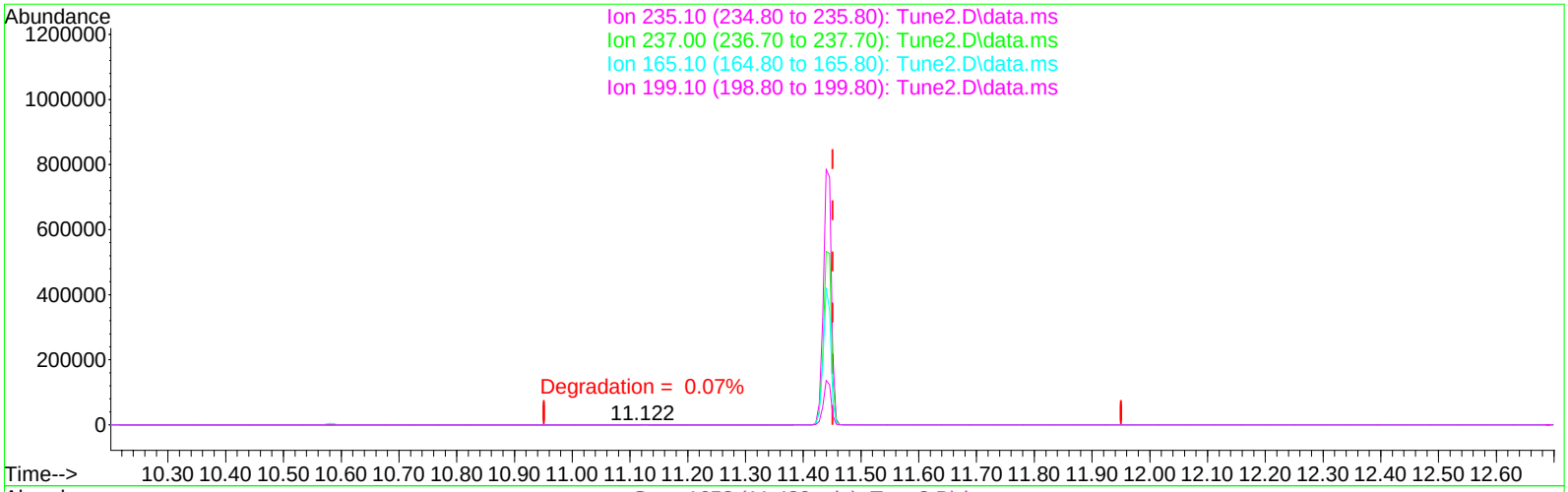
Spectrum Information: Average of 9.581 to 9.593 min.

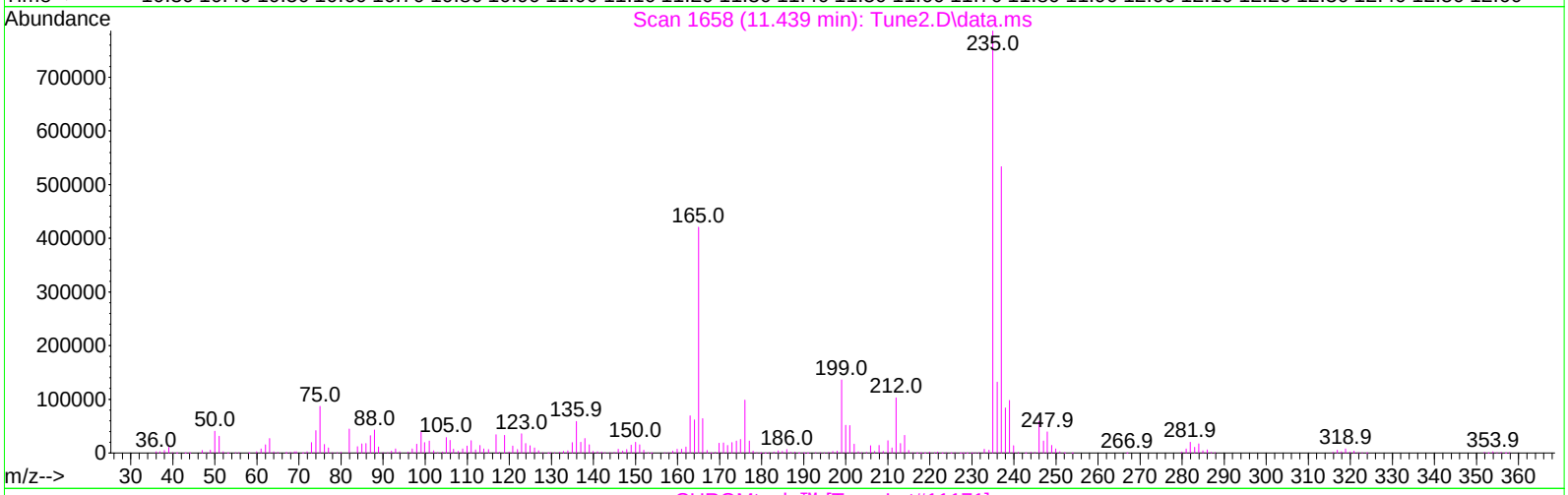
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.8	90469	PASS
68	69	0.00	2	1.7	1570	PASS
69	69	100	100	100.0	89891	PASS
70	69	0.00	2	0.6	512	PASS
127	198	10	80	45.9	112856	PASS
197	198	0.00	2	0.5	1200	PASS
198	198	100	100	100.0	245632	PASS
199	198	5	9	7.0	17203	PASS
275	198	10	60	25.7	63117	PASS
365	198	1	100	3.0	7411	PASS
441	442	0.01	24	17.2	29306	PASS
442	198	50	100	69.3	170227	PASS
443	442	15	24	20.0	34026	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune2.D
Acq On : 16 Dec 2024 05:57 am
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 16 13:43:04 2024
Quant Method : I:\8270\SV112\241215RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#11171]

(6) DDT (T)

11.439min (-0.012) 126.03

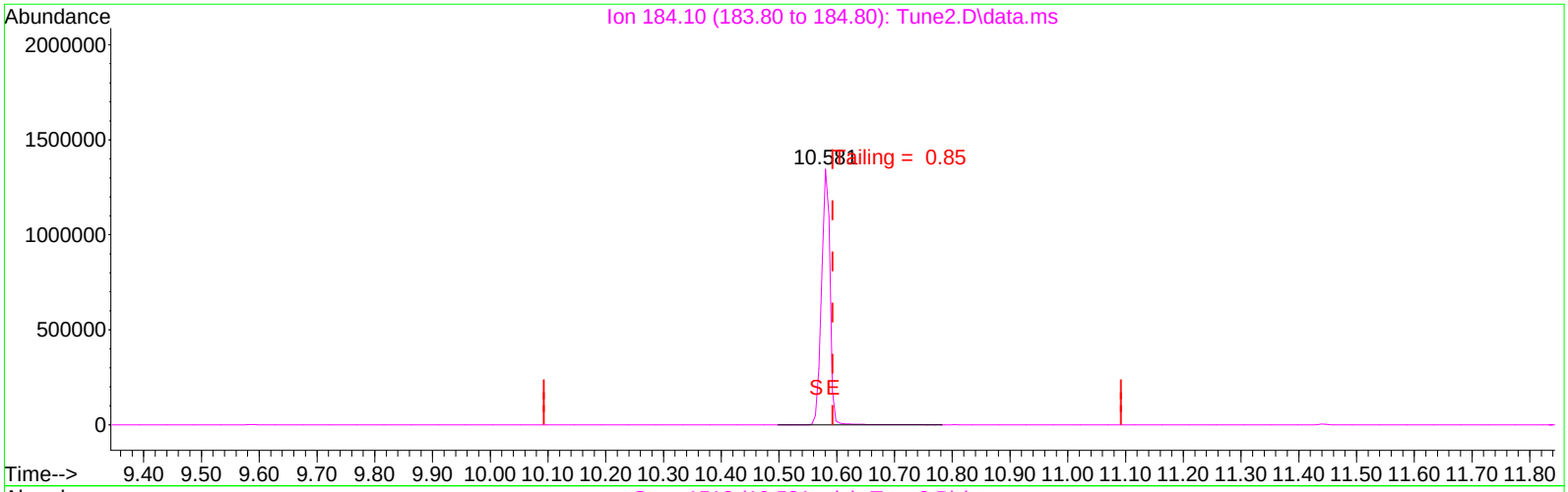
response 768263

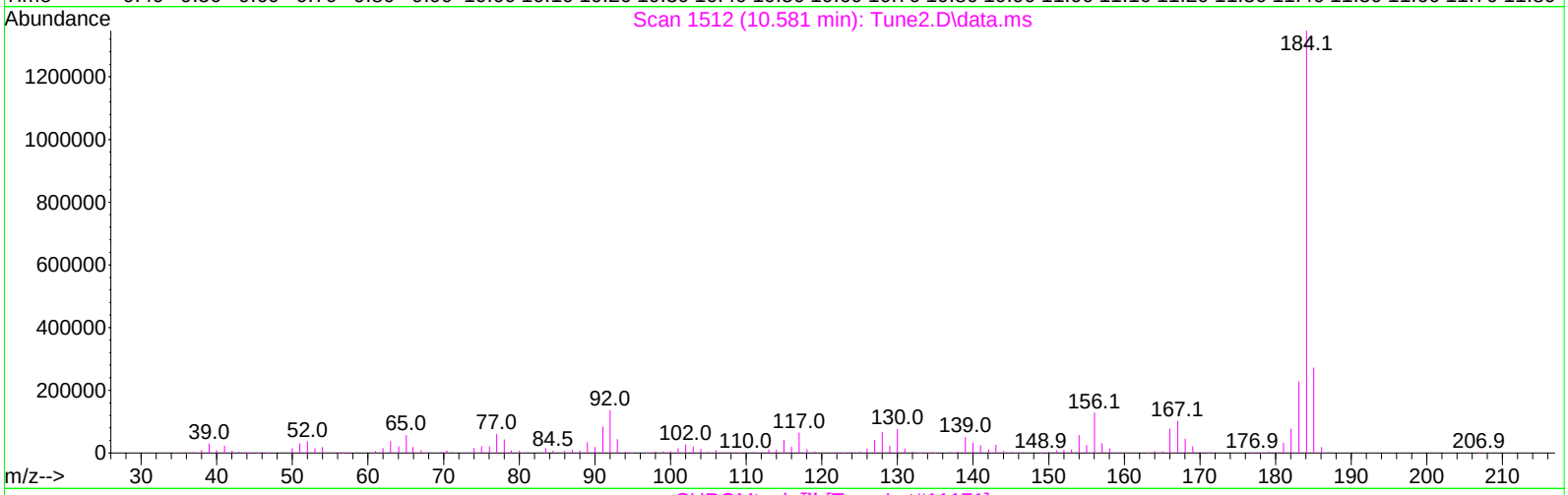
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.39
165.10	42.20	49.45
199.10	13.70	16.40

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune2.D
Acq On : 16 Dec 2024 05:57 am
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 16 13:43:04 2024
Quant Method : I:\8270\SV112\241215RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#11171]

(3) Benzidine (T)

10.581min (-0.012) 135.77

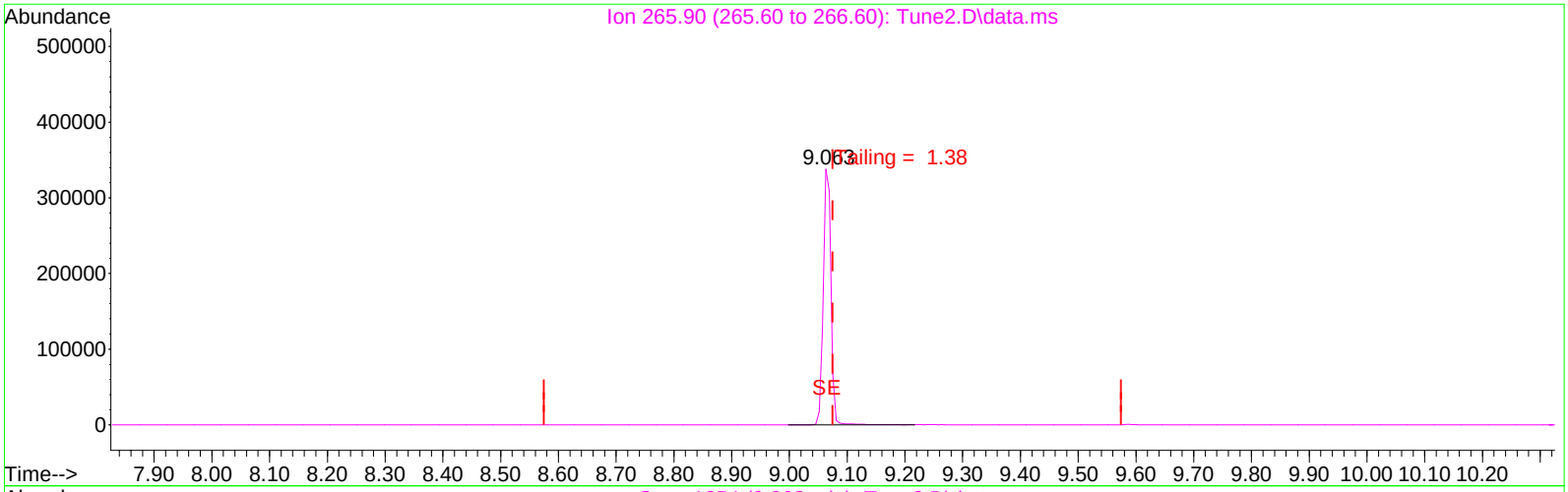
response 1382099

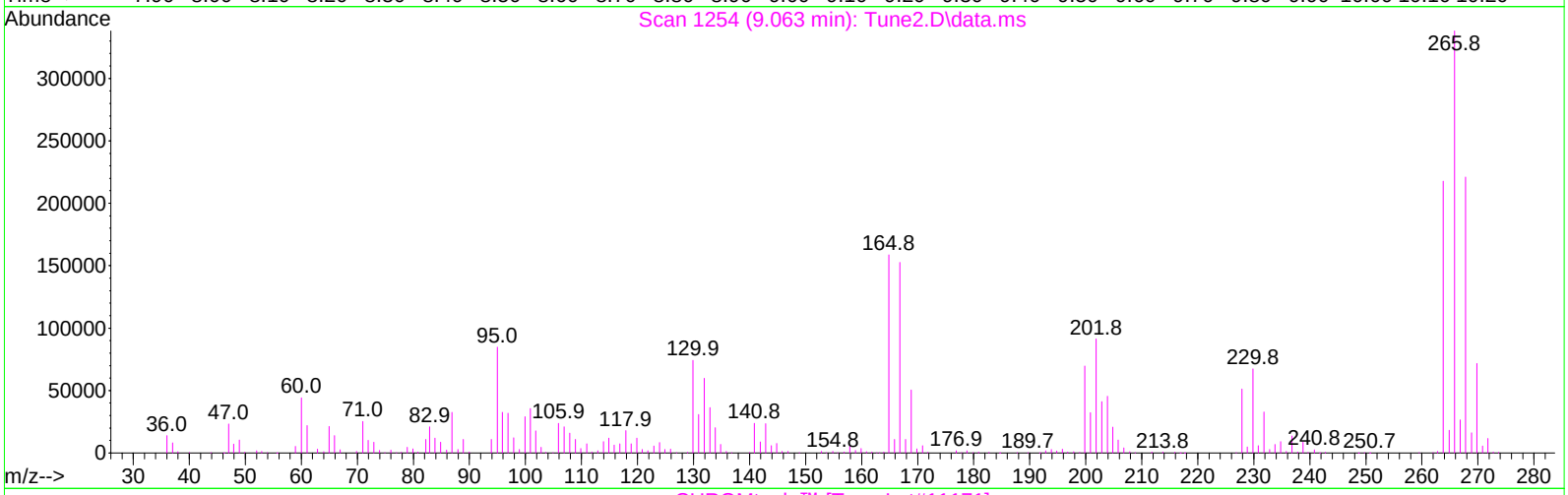
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241215RVTical\
Data File : Tune2.D
Acq On : 16 Dec 2024 05:57 am
Operator : SV112:HNY
Sample : Tune Lot#11171
Misc : WG2010188
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 16 13:43:04 2024
Quant Method : I:\8270\SV112\241215RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#11171]

(1) Pentachlorophenol (T)

9.063min (-0.012) 146.95

response 308646

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL9.D
Acq On : 16 Dec 2024 06:22 am
Operator : SV112:HNY
Sample : IL2,32,,ADPL50 Lot# 11193
Misc : WG2010188
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 16 14:53:01 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	26774	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery =	103.47%		
86) IS3_Acenaphthene-d10	7.787	164	57952	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery =	103.76%		
100) IS3_Phenanthrene-d10	9.234	188	130433	4.000	ug/ml #	0.00
Standard Area 1 = 126697			Recovery =	102.95%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.934	88	152518	46.777	ug/ml	90
34) n-Decane	4.717	57	381391	47.527	ug/ml	93
87) Atrazine	9.005	200	330514	61.331	ug/ml	97
101) n-Octadecane	9.205	57	613694	59.719	ug/ml#	90
102) Parathion	10.022	109	202803	49.686	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.334	212	1253082	50.736	ug/ml#	91

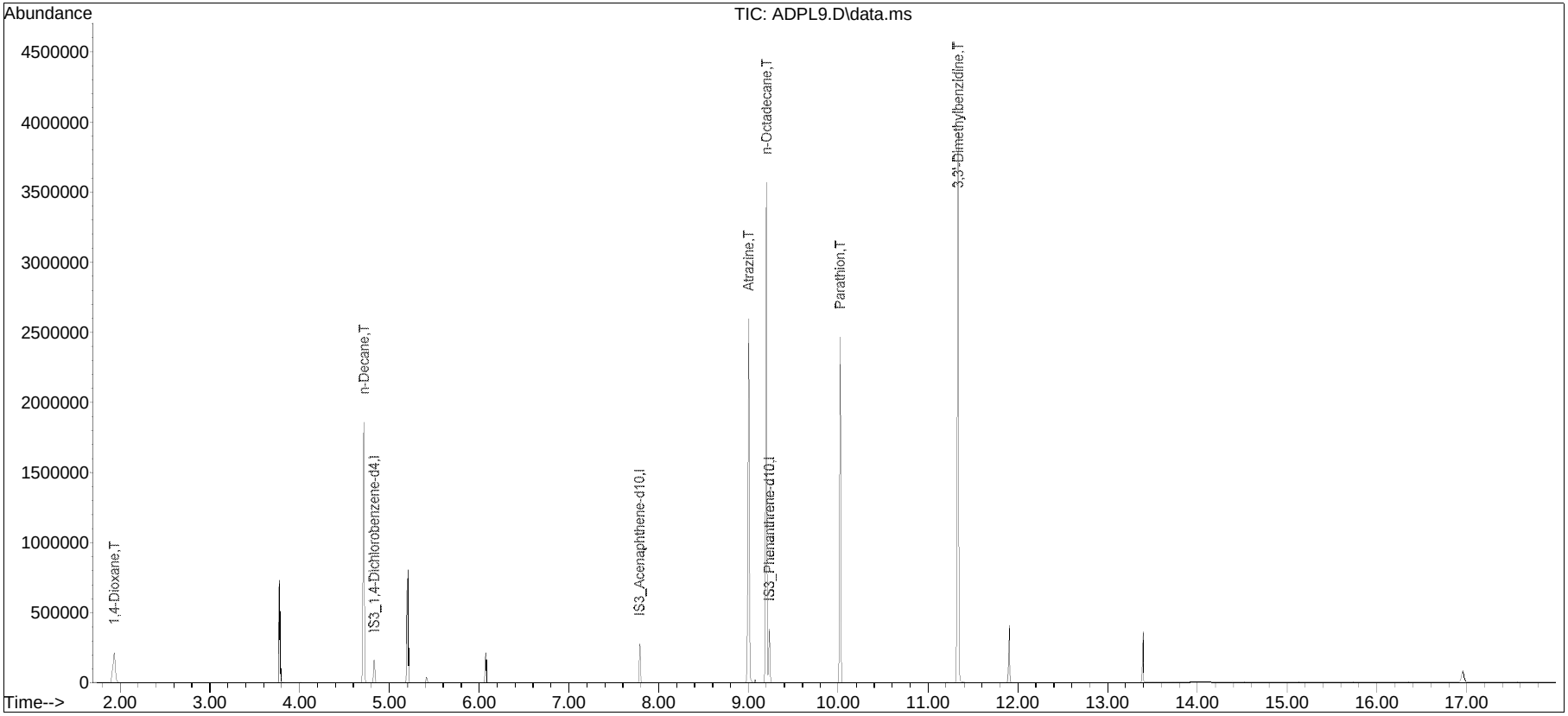
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL9.D
Acq On : 16 Dec 2024 06:22 am
Operator : SV112:HNY
Sample : IL2,32,,ADPL50 Lot# 11193
Misc : WG2010188
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 16 14:53:01 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL9.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 6:22 am	Instrument	: SV112
Sample	: IL2,32,,ADPL50 Lot# 11193	Quant Date	: 12/16/2024 2:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL8.D
Acq On : 16 Dec 2024 06:46 am
Operator : SV112:HNY
Sample : IL3,32,,ADPL25 Lot# 11194
Misc : WG2010188
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 16 14:52:51 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.828	152	25045	4.000	ug/ml	0.00
	Standard Area 1 = 25877			Recovery = 96.78%			
86)	IS3_Acenaphthene-d10	7.787	164	54619	4.000	ug/ml	0.00
	Standard Area 1 = 55853			Recovery = 97.79%			
100)	IS3_Phenanthrene-d10	9.234	188	123593	4.000	ug/ml	# 0.00
	Standard Area 1 = 126697			Recovery = 97.55%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.922	88	74445	24.408	ug/ml	90
34)	n-Decane	4.710	57	187832	25.023	ug/ml	93
87)	Atrazine	8.998	200	147450	29.031	ug/ml	99
101)	n-Octadecane	9.198	57	287773	29.553	ug/ml	91
102)	Parathion	10.022	109	80871	25.905	ug/ml#	88
103)	3,3'-Dimethylbenzidine	11.328	212	588710	25.586	ug/ml	97

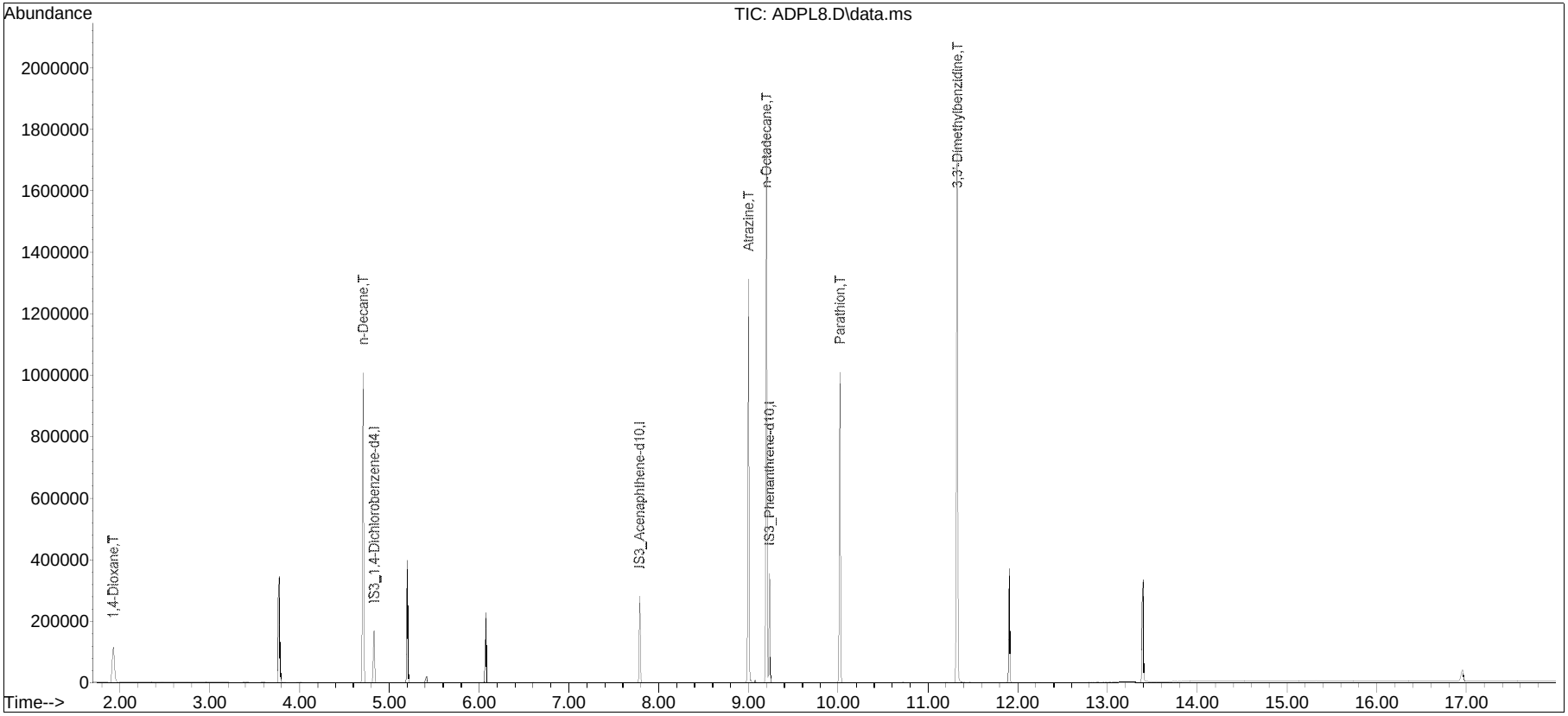
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL8.D
Acq On : 16 Dec 2024 06:46 am
Operator : SV112:HNY
Sample : IL3,32,,ADPL25 Lot# 11194
Misc : WG2010188
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 16 14:52:51 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL8.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 6:46 am	Instrument	: SV112
Sample	: IL3,32,,ADPL25 Lot# 11194	Quant Date	: 12/16/2024 2:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL7.D
Acq On : 16 Dec 2024 07:11 am
Operator : SV112:HNY
Sample : IL4,32,,ADPL10 Lot# 11195
Misc : WG2010188
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 16 14:52:40 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.828	152	26385	4.000	ug/ml		0.00
	Standard Area 1 = 25877			Recovery =	101.96%			
86)	IS3_Acenaphthene-d10	7.787	164	58759	4.000	ug/ml		0.00
	Standard Area 1 = 55853			Recovery =	105.20%			
100)	IS3_Phenanthrene-d10	9.234	188	133261	4.000	ug/ml	#	0.00
	Standard Area 1 = 126697			Recovery =	105.18%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.940	88	32043	9.972	ug/ml		90
34)	n-Decane	4.716	57	79280	10.025	ug/ml		93
87)	Atrazine	8.998	200	59052	10.807	ug/ml		97
101)	n-Octadecane	9.198	57	114486	10.904	ug/ml		92
102)	Parathion	10.022	109	28910	10.217	ug/ml	#	88
103)	3,3'-Dimethylbenzidine	11.328	212	220614	9.450	ug/ml		99

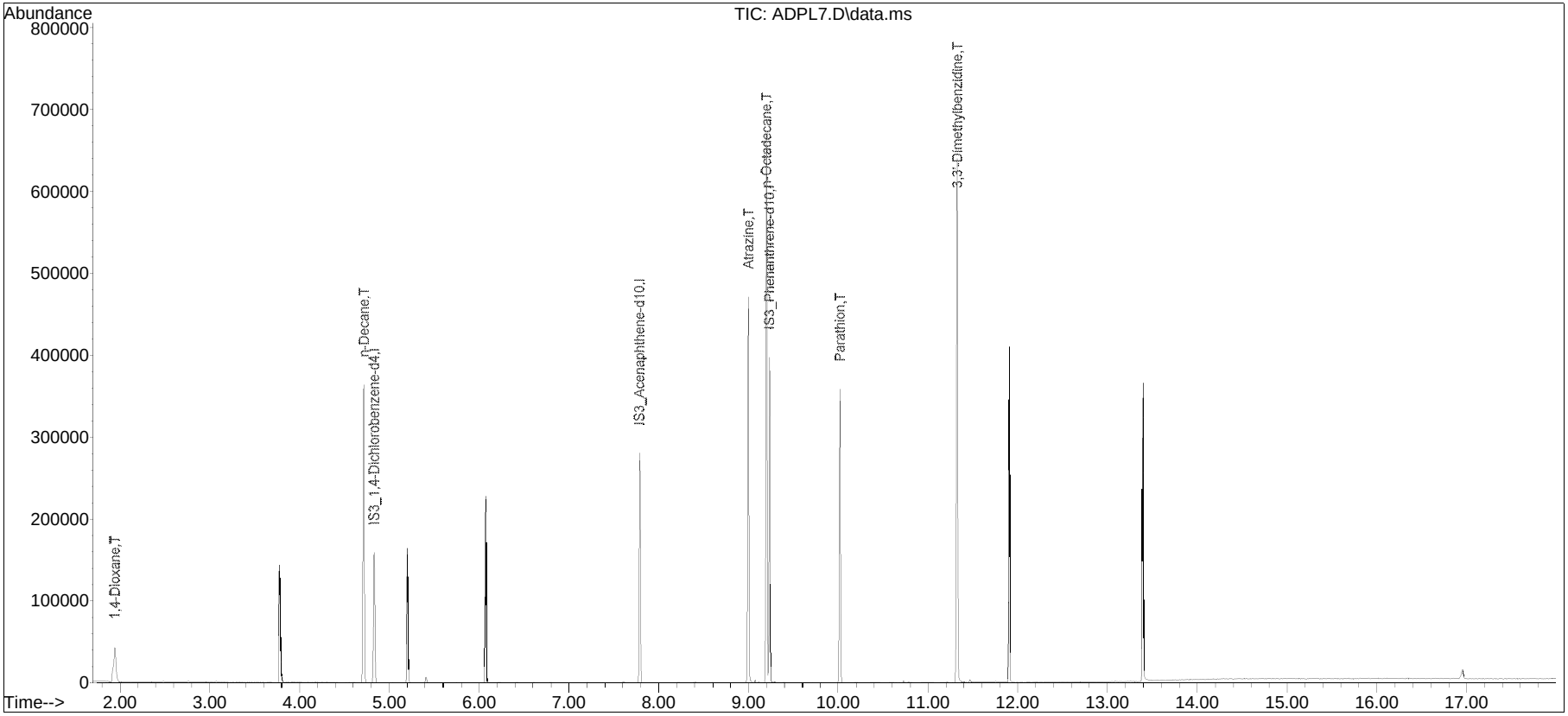
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL7.D
Acq On : 16 Dec 2024 07:11 am
Operator : SV112:HNY
Sample : IL4,32,,ADPL10 Lot# 11195
Misc : WG2010188
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 16 14:52:40 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL7.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 7:11 am	Instrument	: SV112
Sample	: IL4,32,,ADPL10 Lot# 11195	Quant Date	: 12/16/2024 2:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL6.D
Acq On : 16 Dec 2024 07:36 am
Operator : SV112:HNY
Sample : IL5,32,,ADPL5 Lot# 11196
Misc : WG2010188
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 17 10:44:17 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	25877	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.787	164	55853	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	9.234	188	126697	4.000	ug/ml	# 0.00
Standard Area 1 = 126697			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.940	88	14711	4.668	ug/ml	91
34) n-Decane	4.711	57	35951	4.635	ug/ml	94
87) Atrazine	8.993	200	25268	4.865	ug/ml	98
101) n-Octadecane	9.199	57	50667	5.076	ug/ml	93
102) Parathion	10.022	109	11039	4.434	ug/ml#	83
103) 3,3'-Dimethylbenzidine	11.328	212	80870	4.168	ug/ml	98

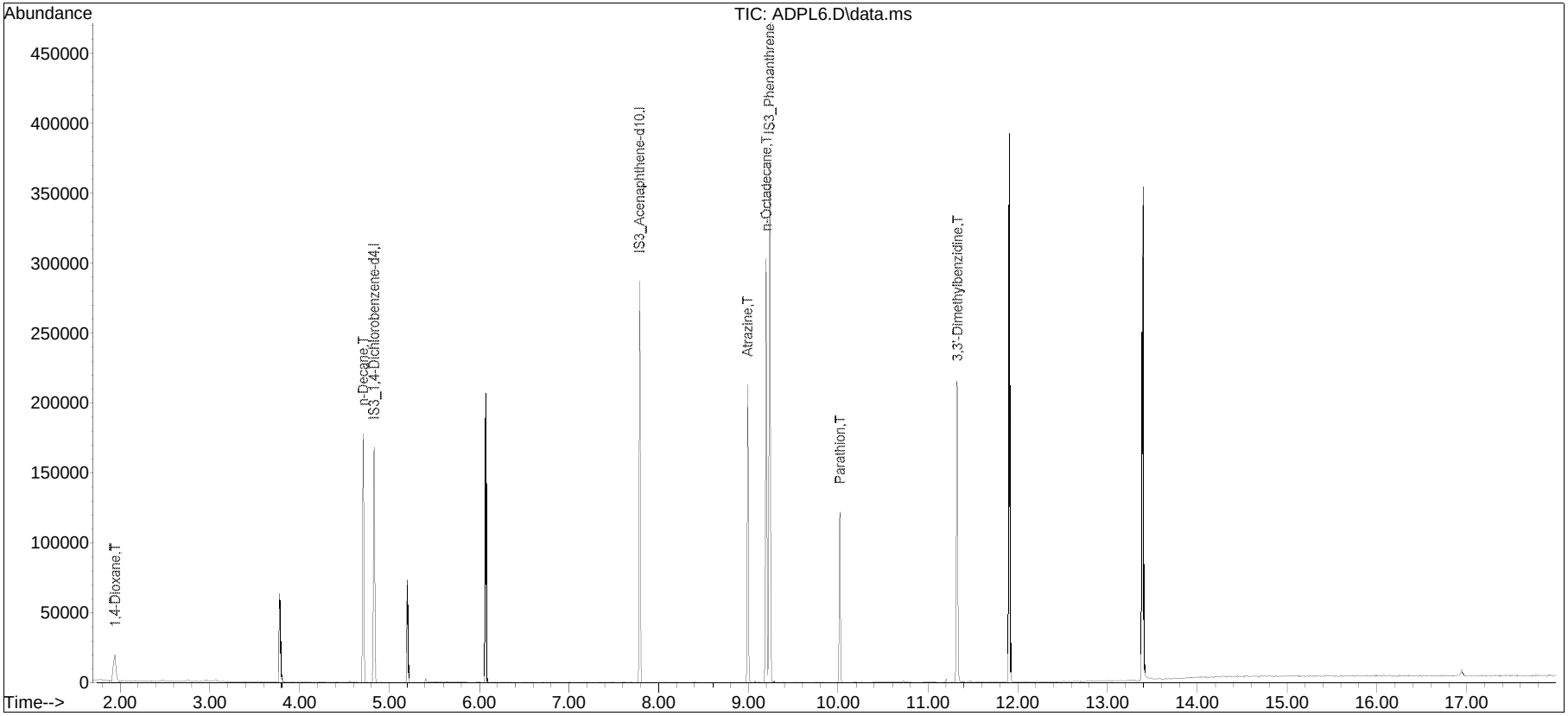
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL6.D
Acq On : 16 Dec 2024 07:36 am
Operator : SV112:HNY
Sample : IL5,32,,ADPL5 Lot# 11196
Misc : WG2010188
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 17 10:44:17 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 7:36 am	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 11196	Quant Date	: 12/16/2024 2:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL5.D
Acq On : 16 Dec 2024 08:01 am
Operator : SV112:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11197
Misc : WG2010188
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 14:52:23 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	24896	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery = 96.21%			
86) IS3_Acenaphthene-d10	7.787	164	52056	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery = 93.20%			
100) IS3_Phenanthrene-d10	9.234	188	119240	4.000	ug/ml #	0.00
Standard Area 1 = 126697			Recovery = 94.11%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.940	88	7511	2.477	ug/ml	90
34) n-Decane	4.710	57	18990	2.545	ug/ml	92
87) Atrazine	8.993	200	11790	2.436	ug/ml	97
101) n-Octadecane	9.198	57	21928	2.334	ug/ml#	88
102) Parathion	10.022	109	4940	2.196	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.328	212	33052	2.294	ug/ml	99

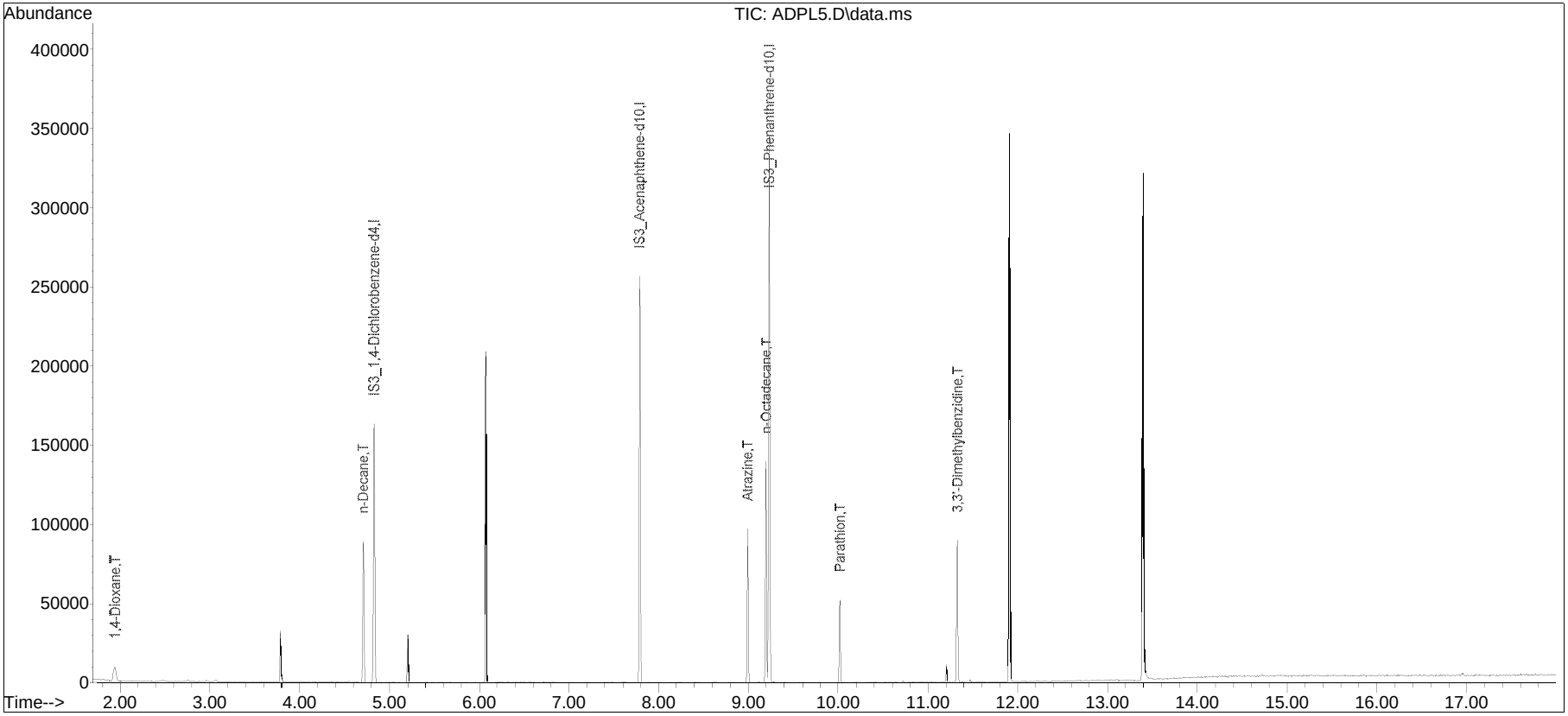
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL5.D
Acq On : 16 Dec 2024 08:01 am
Operator : SV112:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11197
Misc : WG2010188
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 16 14:52:23 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL5.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 8:01 am	Instrument	: SV112
Sample	: IL6,32,,ADPL2.5 Lot# 11197	Quant Date	: 12/16/2024 2:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL4.D
Acq On : 16 Dec 2024 08:26 am
Operator : SV112:HNY
Sample : IL7,32,,ADPL1 Lot# 11198
Misc : WG2010188
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 14:52:12 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	25792	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery = 99.67%			
86) IS3_Acenaphthene-d10	7.787	164	54412	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery = 97.42%			
100) IS3_Phenanthrene-d10	9.234	188	125461	4.000	ug/ml	# 0.00
Standard Area 1 = 126697			Recovery = 99.02%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.940	88	3066	0.976	ug/ml	91
34) n-Decane	4.711	57	7481	0.968	ug/ml	93
87) Atrazine	8.993	200	4617	0.912	ug/ml	94
101) n-Octadecane	9.199	57	9000	0.911	ug/ml	93
102) Parathion	10.016	109	1953	0.871	ug/ml#	87
103) 3,3'-Dimethylbenzidine	11.322	212	9941	1.266	ug/ml	98

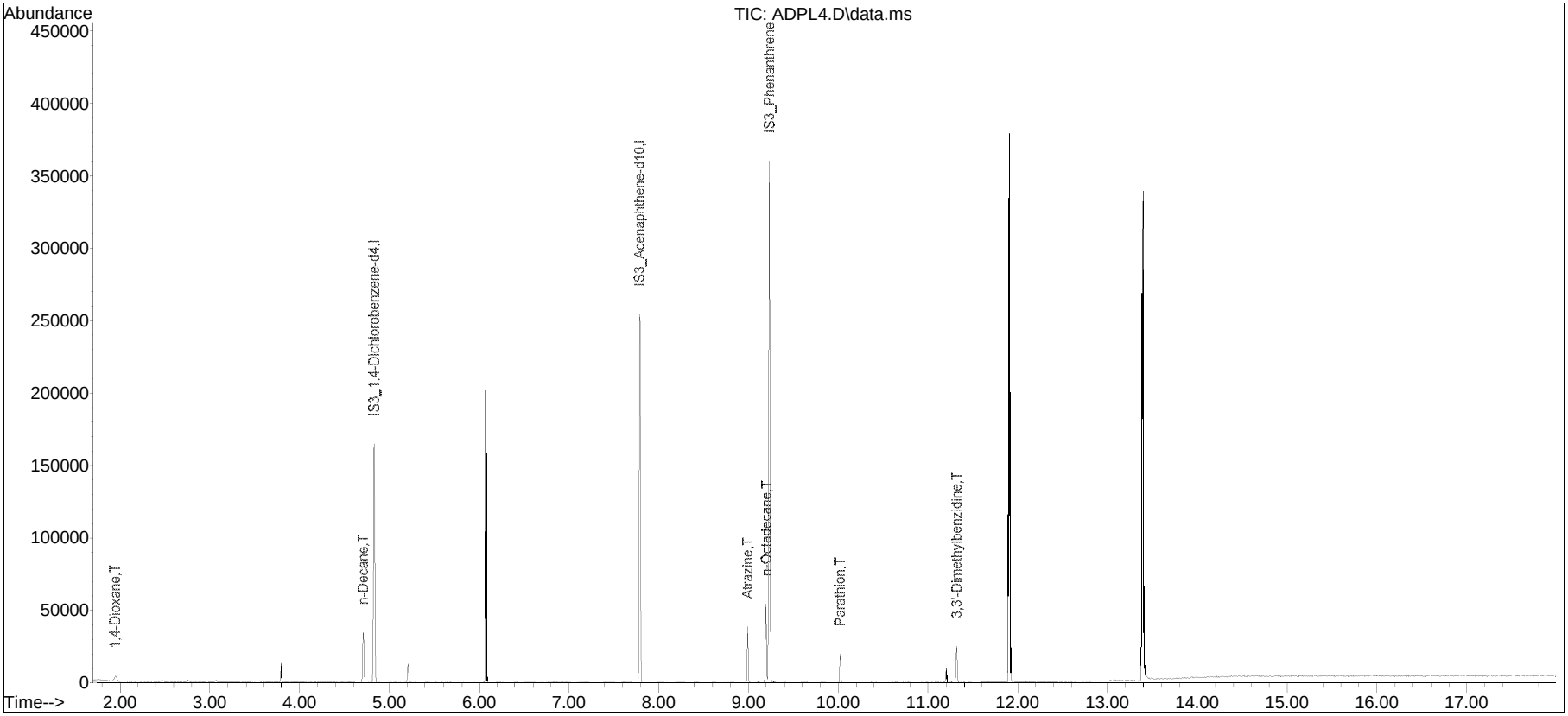
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL4.D
Acq On : 16 Dec 2024 08:26 am
Operator : SV112:HNY
Sample : IL7,32,,ADPL1 Lot# 11198
Misc : WG2010188
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 14:52:12 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL4.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 8:26 am	Instrument	: SV112
Sample	: IL7,32,,ADPL1 Lot# 11198	Quant Date	: 12/16/2024 2:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL3.D
Acq On : 16 Dec 2024 08:51 am
Operator : SV112:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11199
Misc : WG2010188
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 16 14:52:01 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	26689	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery =	103.14%		
86) IS3_Acenaphthene-d10	7.787	164	54884	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery =	98.27%		
100) IS3_Phenanthrene-d10	9.234	188	125758	4.000	ug/ml	# 0.00
Standard Area 1 = 126697			Recovery =	99.26%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.952	88	1623	0.499	ug/ml#	76
34) n-Decane	4.716	57	4218	0.527	ug/ml	92
87) Atrazine	8.993	200	2348	0.460	ug/ml#	92
101) n-Octadecane	9.199	57	4374	0.441	ug/ml	90
102) Parathion	10.016	109	973	0.461	ug/ml#	86
103) 3,3'-Dimethylbenzidine	11.322	212	3091	0.982	ug/ml#	61

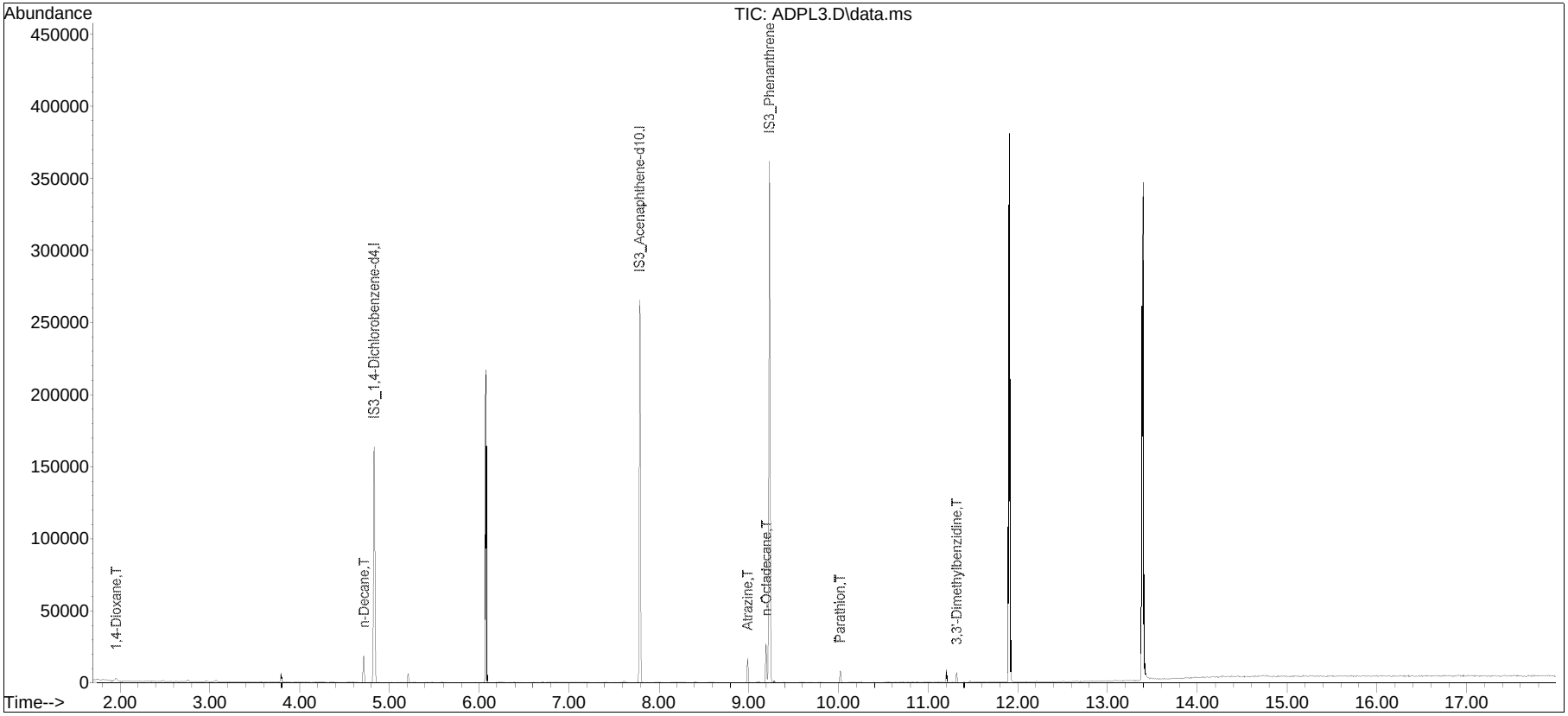
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL3.D
Acq On : 16 Dec 2024 08:51 am
Operator : SV112:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11199
Misc : WG2010188
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 16 14:52:01 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPL3.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 8:51 am	Instrument	: SV112
Sample	: IL8,32,,ADPL0.5 Lot# 11199	Quant Date	: 12/16/2024 2:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL2.D
Acq On : 16 Dec 2024 09:14 am
Operator : SV112:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11200
Misc : WG2010188
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 14:51:51 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	25914	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery =	100.14%		
86) IS3_Acenaphthene-d10	7.787	164	54911	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery =	98.31%		
100) IS3_Phenanthrene-d10	9.234	188	122816	4.000	ug/ml	# 0.00
Standard Area 1 = 126697			Recovery =	96.94%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.952	88	752	0.238	ug/ml#	31
34) n-Decane	4.710	57	1576	0.203	ug/ml	90
87) Atrazine	8.993	200	959	0.188	ug/ml#	37
101) n-Octadecane	9.198	57	1723	0.178	ug/ml	88
102) Parathion	10.016	109	461M2	0.251	ug/ml	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

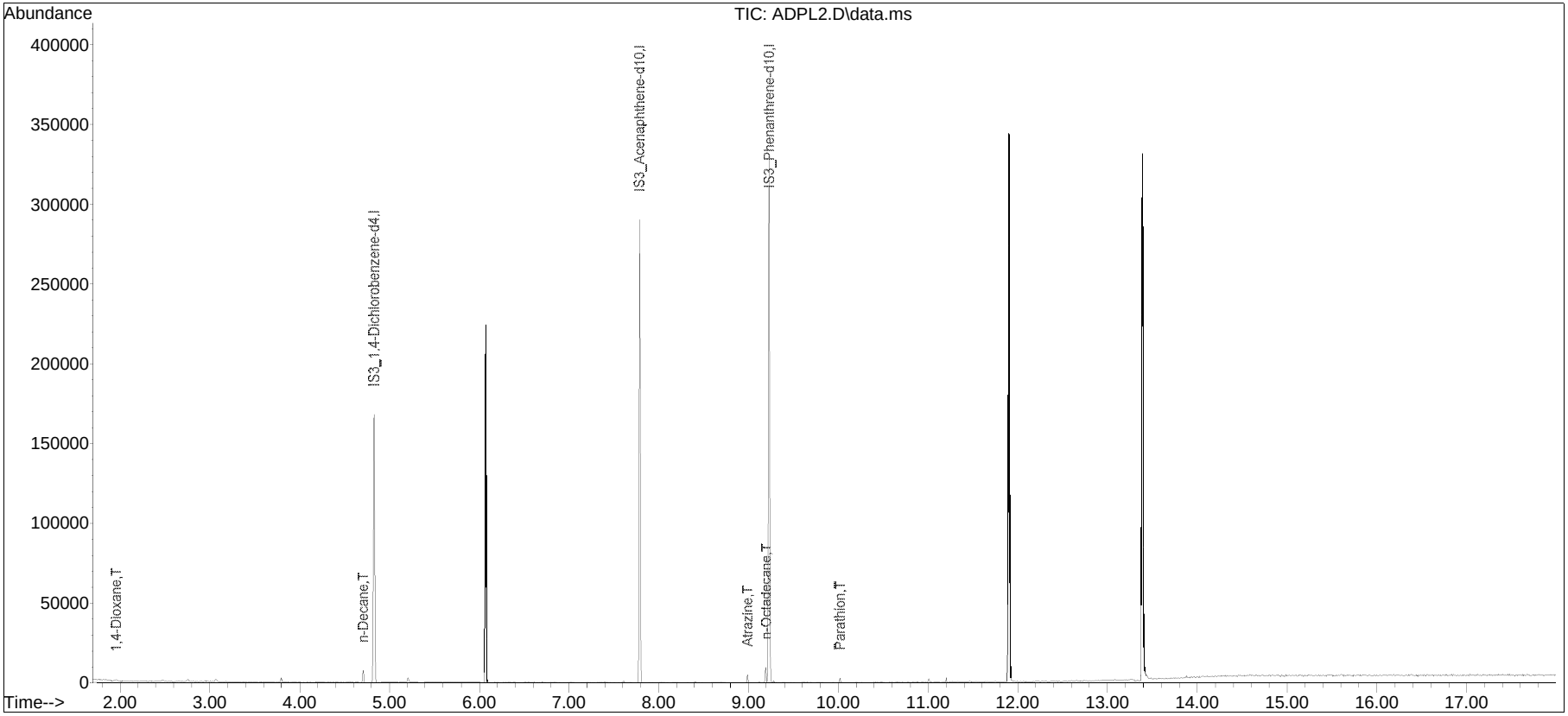
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL2.D
Acq On : 16 Dec 2024 09:14 am
Operator : SV112:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11200
Misc : WG2010188
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 16 14:51:51 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

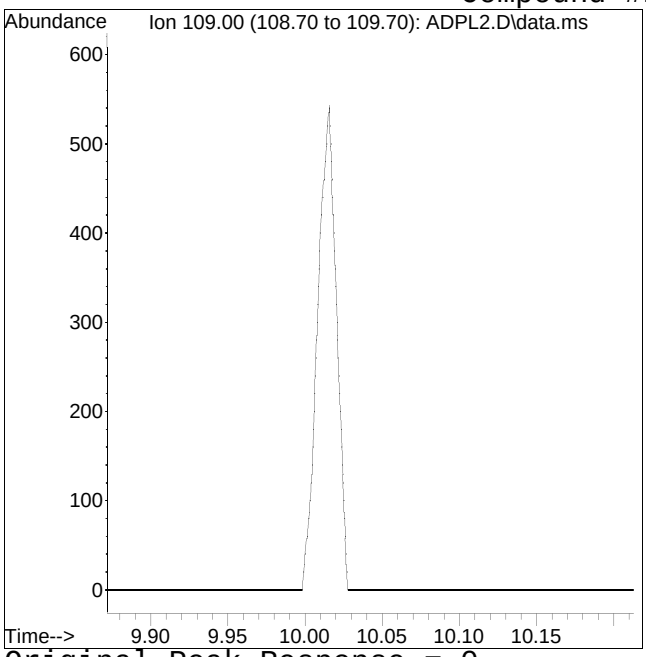
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



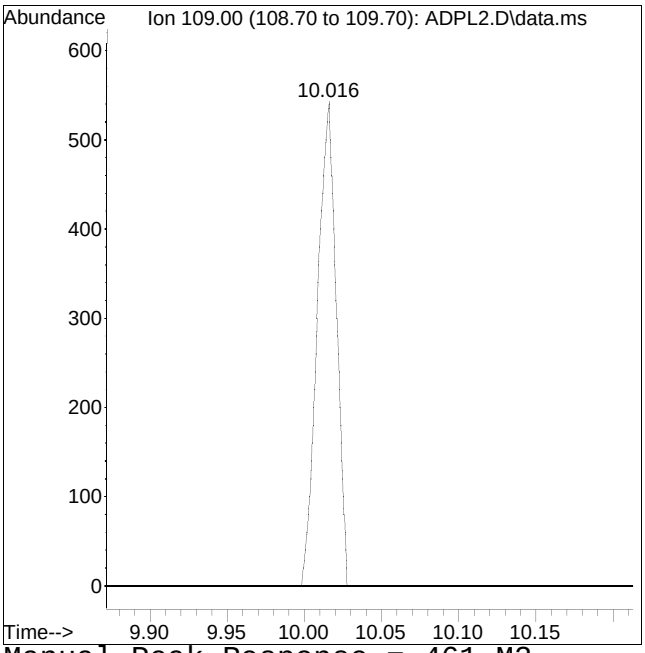
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ADPL2.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 9:14 am Instrument : SV112
Sample : IL9,32,,ADPL0.2 Lot# 11200Quant Date : 12/16/2024 2:53 pm

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 461 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL1.D
Acq On : 16 Dec 2024 09:39 am
Operator : SV112:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11201
Misc : WG2010188
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 16 14:51:40 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	25931	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery =	100.21%		
86) IS3_Acenaphthene-d10	7.787	164	53999	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery =	96.68%		
100) IS3_Phenanthrene-d10	9.234	188	120514	4.000	ug/ml	# 0.00
Standard Area 1 = 126697			Recovery =	95.12%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.000		0	N.D.		
34) n-Decane	4.711	57	827	0.106	ug/ml#	78
87) Atrazine	8.993	200	408M2	0.081	ug/ml	
101) n-Octadecane	9.199	57	855	0.090	ug/ml#	85
102) Parathion	10.016	109	142M2	0.114	ug/ml	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D. d		

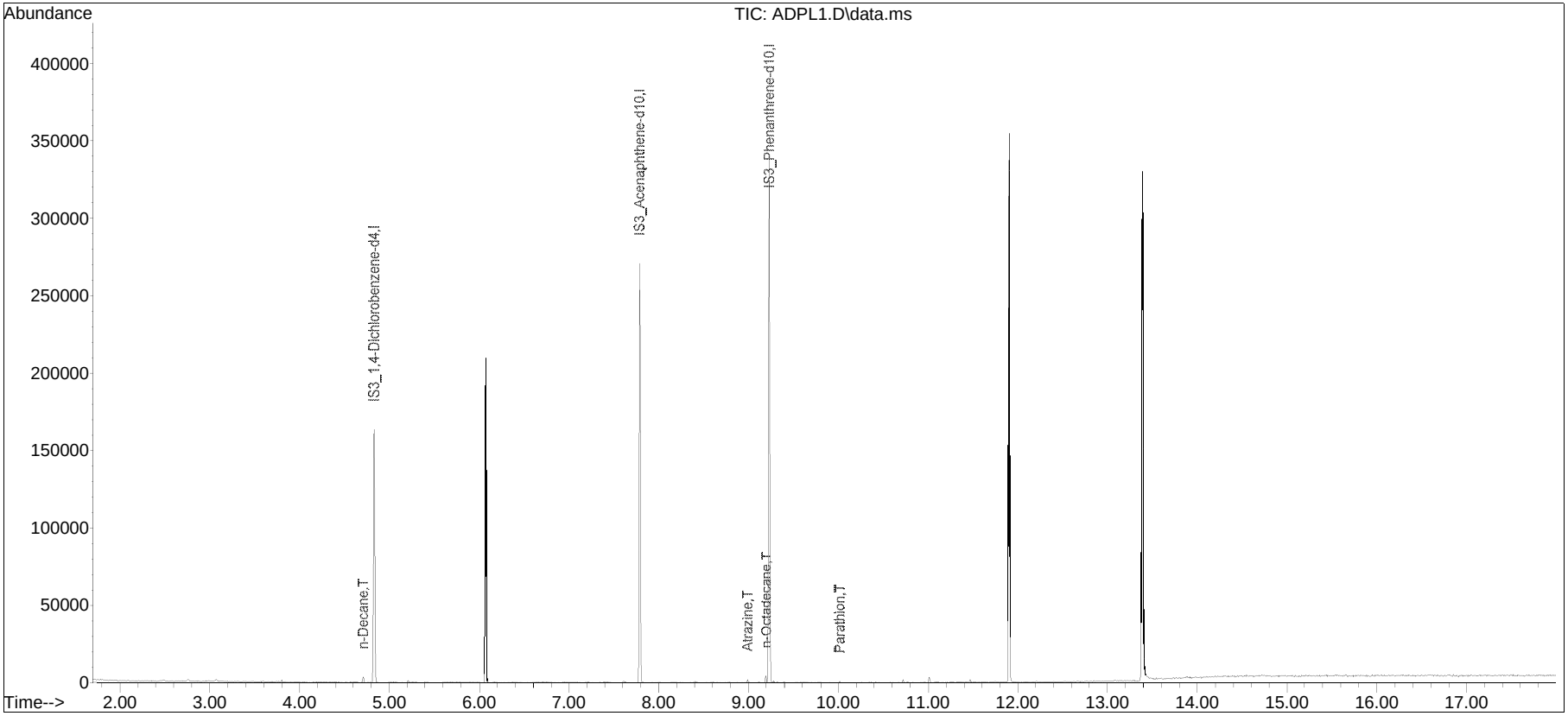
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPL1.D
Acq On : 16 Dec 2024 09:39 am
Operator : SV112:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11201
Misc : WG2010188
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 16 14:51:40 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

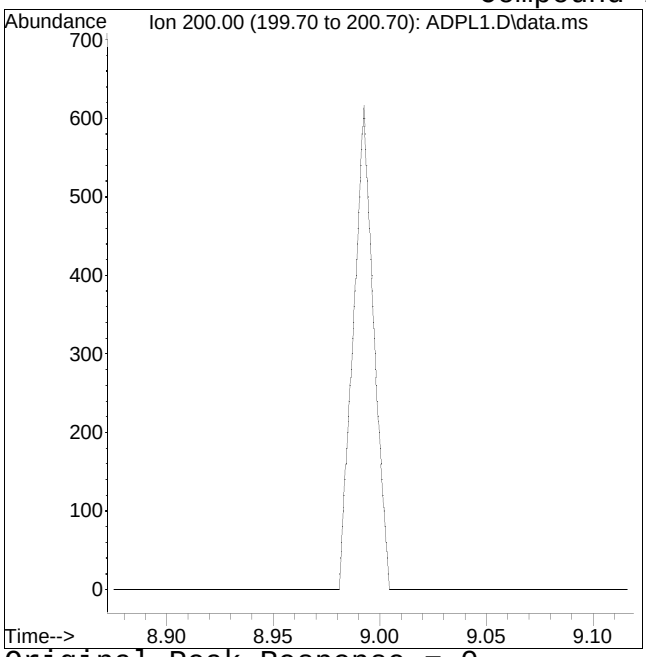
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



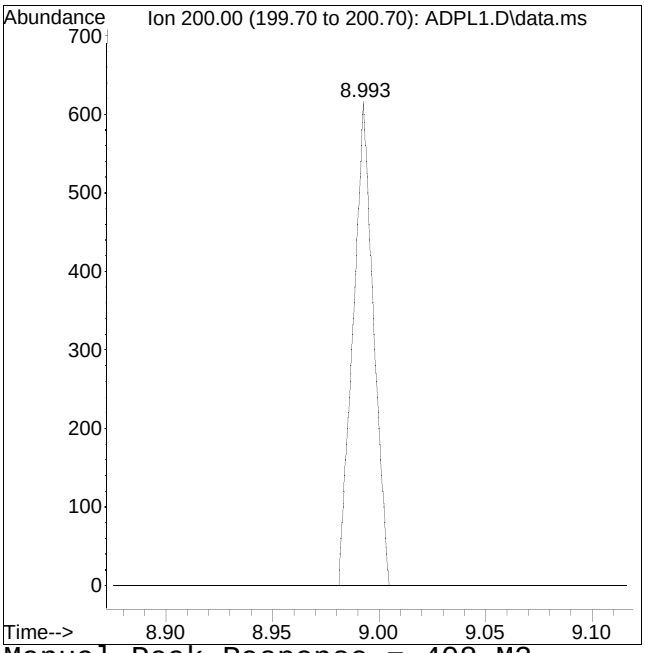
Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ADPL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 9:39 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1120Quant Date : 12/16/2024 2:53 pm

Compound #87: Atrazine



Original Peak Response = 0



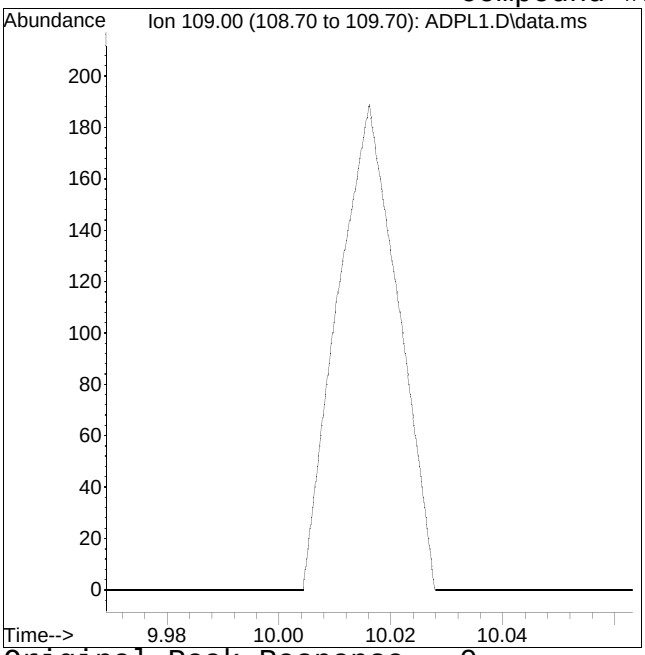
Manual Peak Response = 408 M2

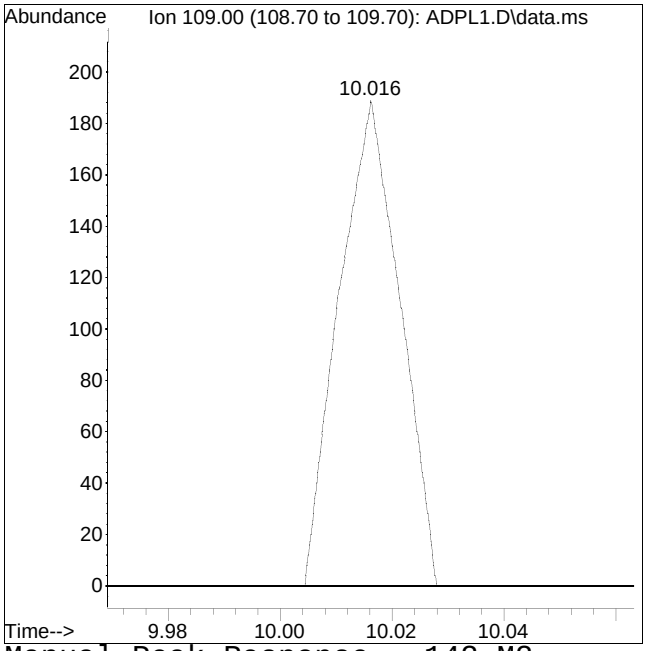
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\241215RVTicaQMethod : FS241215SV112RVT.m
Data File : ADPL1.D Operator : SV112:HNY
Date Inj'd : 12/16/2024 9:39 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1120Quant Date : 12/16/2024 2:53 pm

Compound #102: Parathion





Original Peak Response = 0 Manual Peak Response = 142 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPICV.D
Acq On : 16 Dec 2024 10:04 am
Operator : SV112:HNY
Sample : CQICV,32,,ADPICV Lot# 11204
Misc : WG2010188
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 14:54:36 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	98	0.00
33	T	1,4-Dioxane		0.487	0.452	7.2	97	0.00
34	T	n-Decane		1.199	1.177	1.8	104	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	96	0.00
87	T	Atrazine		0.372	0.353	5.1	94	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	97	0.00
101	T	n-Octadecane		0.315	0.316	-0.3	96	0.00
102	T	Parathion	*	5.000	4.209	15.8	92	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.010	19.8	93	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPICV.D
Acq On : 16 Dec 2024 10:04 am
Operator : SV112:HNY
Sample : CQICV,32,,ADPICV Lot# 11204
Misc : WG2010188
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 14:54:36 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241215RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	25327	4.000	ug/ml	0.00
Standard Area 1 = 25877			Recovery = 97.87%			
86) IS3_Acenaphthene-d10	7.787	164	53619	4.000	ug/ml	0.00
Standard Area 1 = 55853			Recovery = 96.00%			
100) IS3_Phenanthrene-d10	9.234	188	123389	4.000	ug/ml	# 0.00
Standard Area 1 = 126697			Recovery = 97.39%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.940	88	14308	4.639	ug/ml	91
34) n-Decane	4.711	57	37255	4.908	ug/ml	92
87) Atrazine	8.993	200	23660	4.745	ug/ml	98
101) n-Octadecane	9.199	57	48673	5.007	ug/ml	93
102) Parathion	10.016	109	10169	4.209	ug/ml#	85
103) 3,3'-Dimethylbenzidine	11.322	212	75003	4.010	ug/ml	99

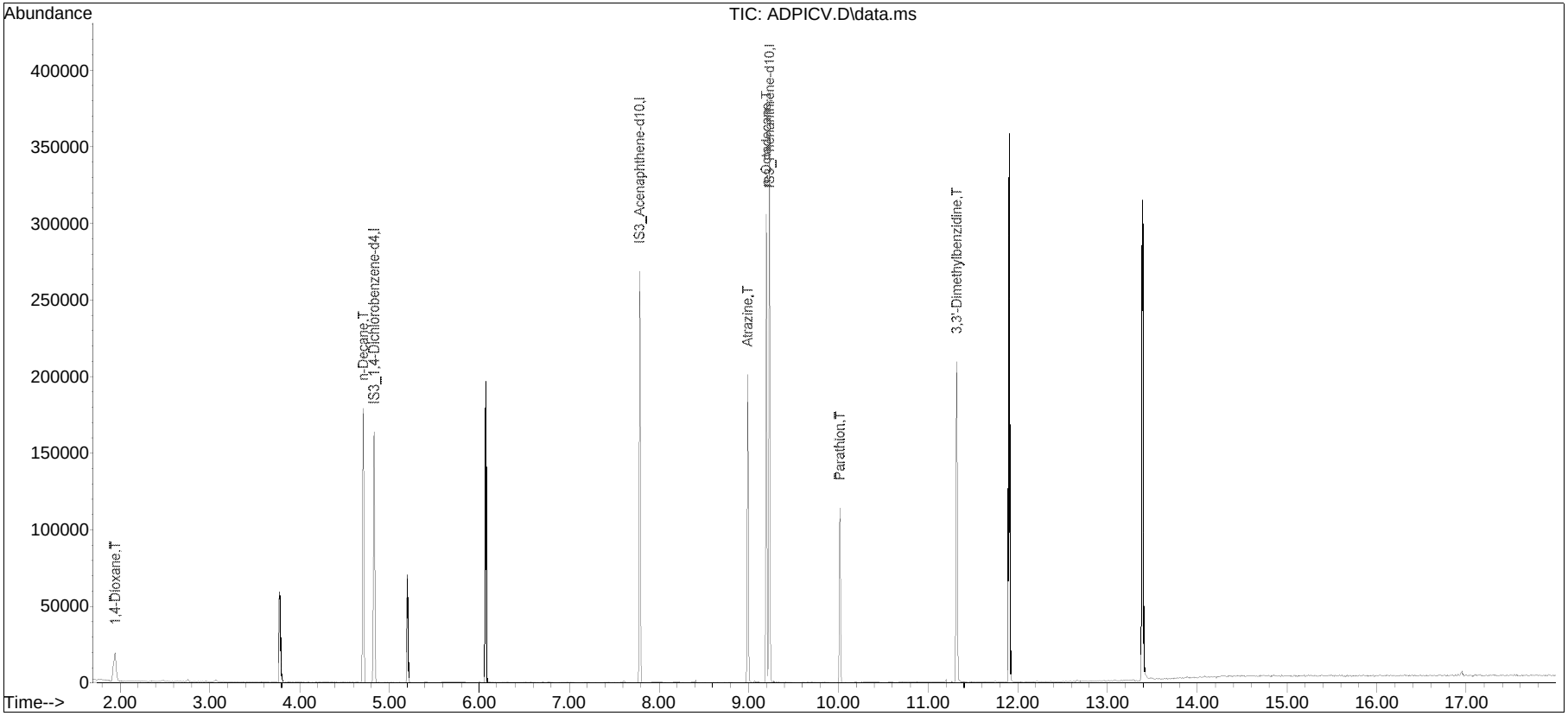
(#) = qualifier out of range (m) = manual integration (+) = signals summed

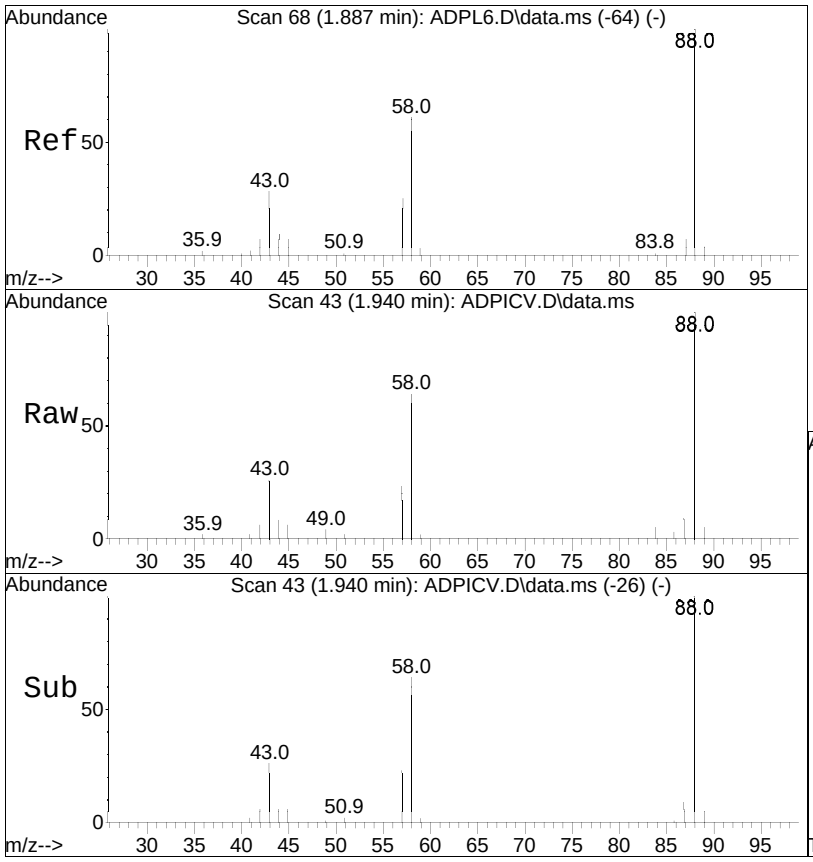
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241215RVTical\
Data File : ADPICV.D
Acq On : 16 Dec 2024 10:04 am
Operator : SV112:HNY
Sample : CQICV,32,,ADPICV Lot# 11204
Misc : WG2010188
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 16 14:54:36 2024
Quant Method : I:\8270\SV112\241215RVTical\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 14:52:47 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

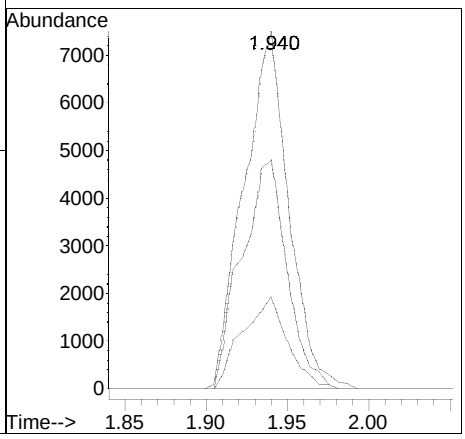


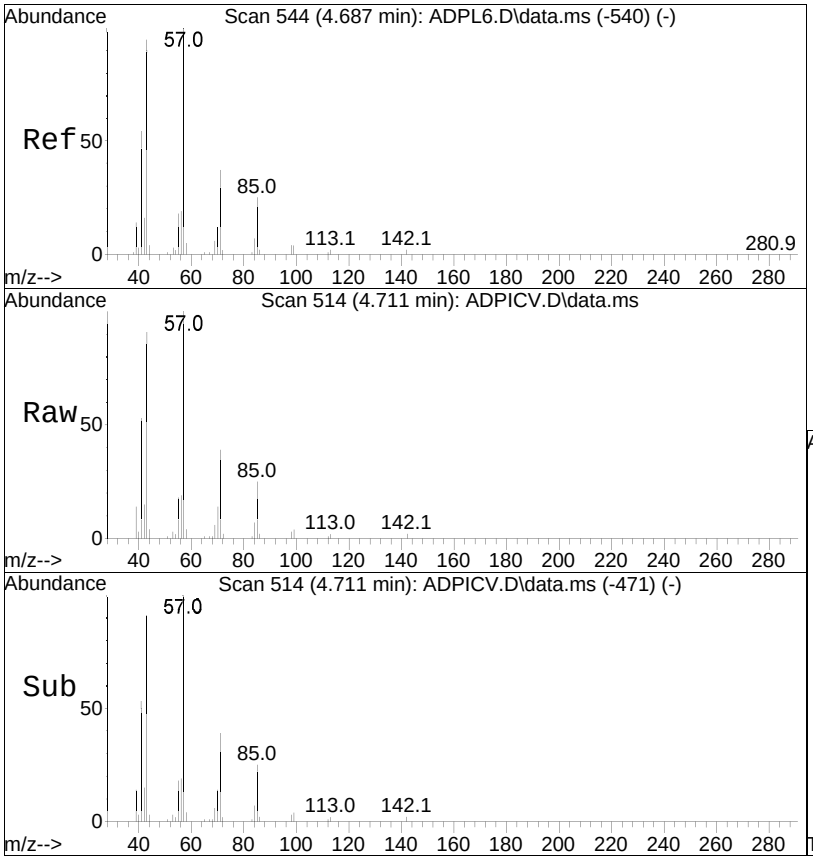


#33
1,4-Dioxane
Concen: 4.64 ug/ml
RT: 1.940 min Scan# 43
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 16 Dec 2024 10:04 am

Tgt Ion: 88 Resp: 14308

Ion	Ratio	Lower	Upper
88	100		
58	64.6	44.8	67.2
43	26.2	22.4	33.6

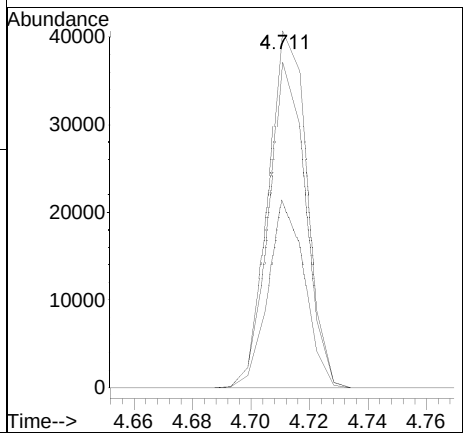


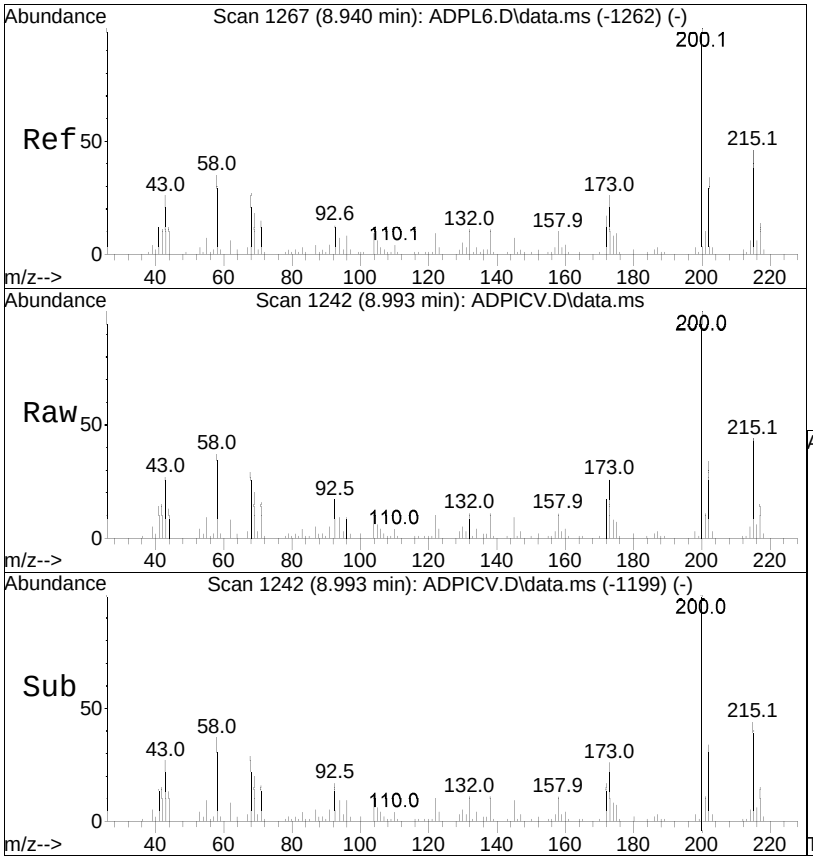


#34
n-Decane
Concen: 4.91 ug/ml
RT: 4.711 min Scan# 514
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 16 Dec 2024 10:04 am

Tgt Ion: 57 Resp: 37255

Ion	Ratio	Lower	Upper
57	100		
43	87.0	75.4	113.2
41	49.8	35.0	52.6

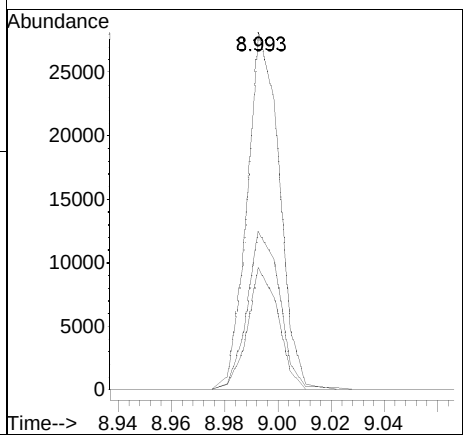


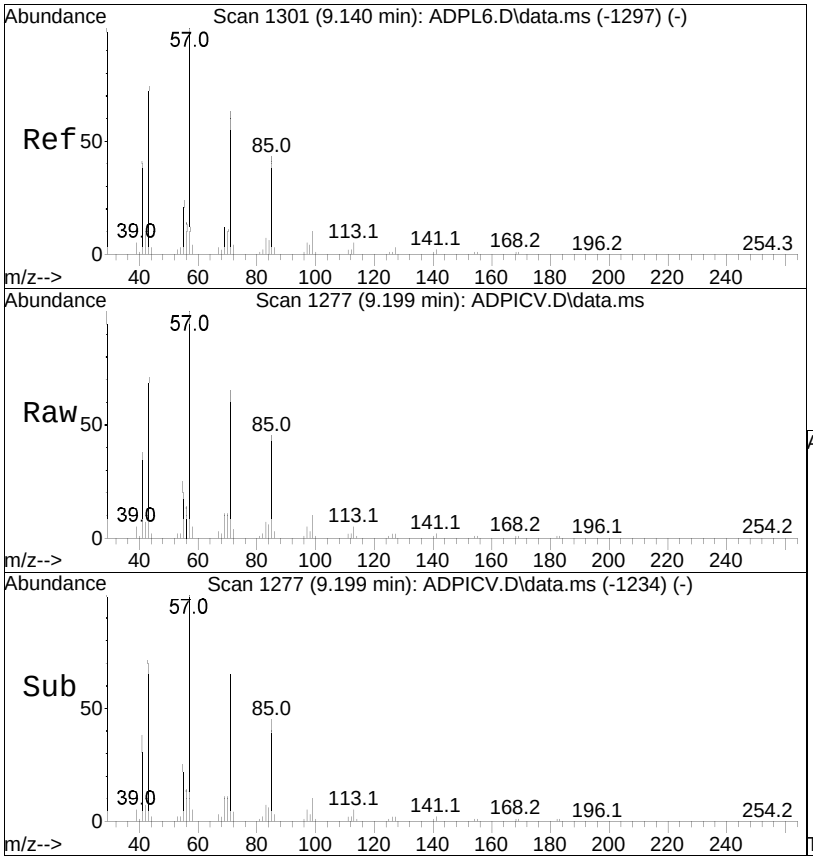


#87
Atrazine
Concen: 4.75 ug/ml
RT: 8.993 min Scan# 1242
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 16 Dec 2024 10:04 am

Tgt Ion:200 Resp: 23660

Ion	Ratio	Lower	Upper
200	100		
202	32.5	25.0	37.6
215	44.5	34.5	51.7

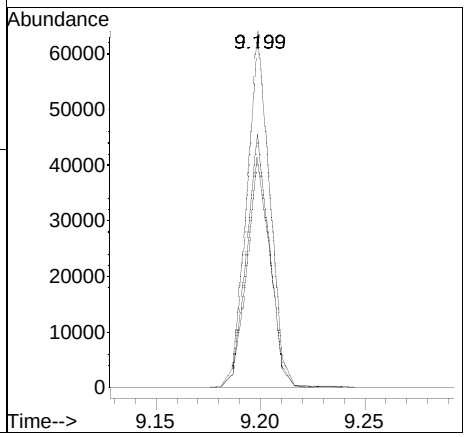


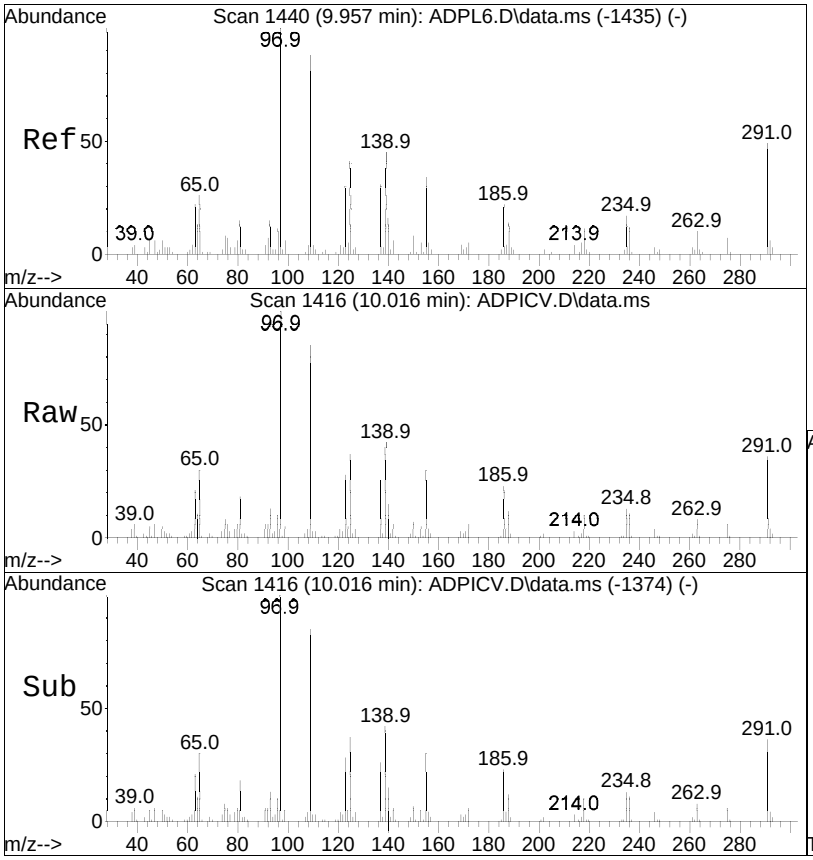


#101
n-Octadecane
Concen: 5.01 ug/ml
RT: 9.199 min Scan# 1277
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 16 Dec 2024 10:04 am

Tgt Ion: 57 Resp: 48673

Ion	Ratio	Lower	Upper
57	100		
43	71.1	54.3	81.5
71	64.9	45.1	67.7

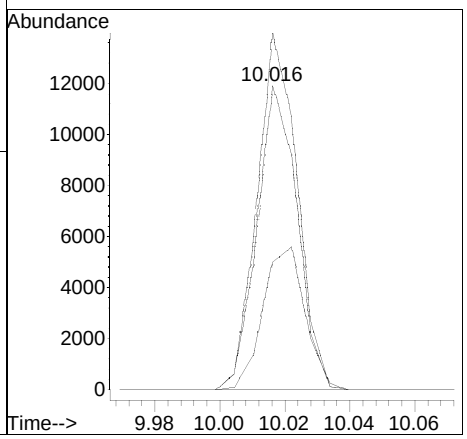


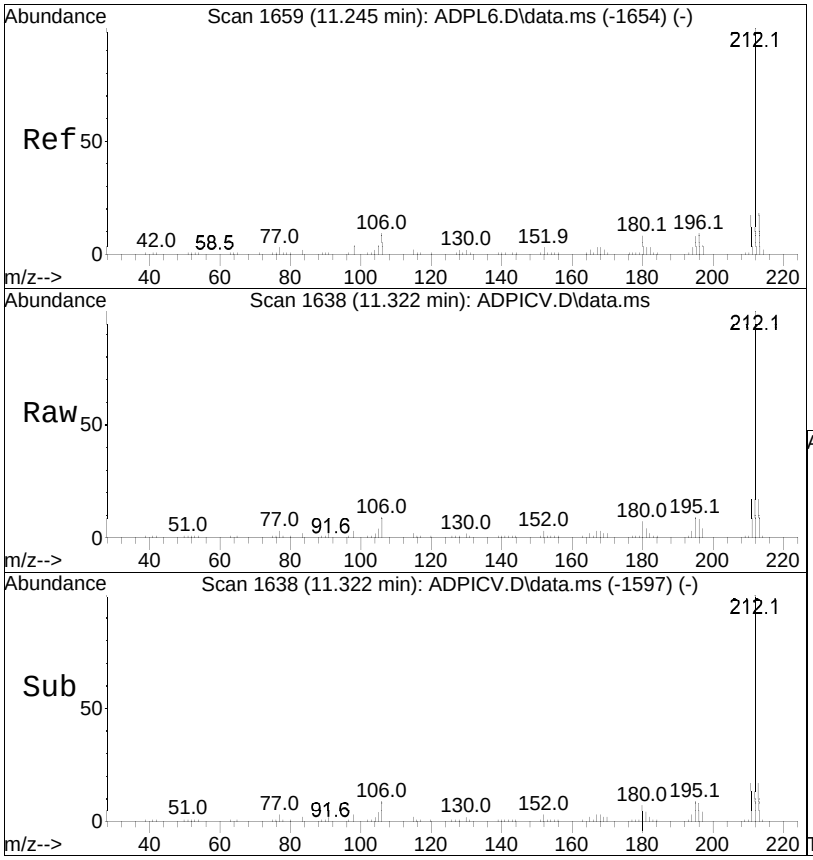


#102
Parathion
Concen: 4.21 ug/ml
RT: 10.016 min Scan# 1416
Delta R.T. -0.006 min
Lab File: ADPICV.D
Acq: 16 Dec 2024 10:04 am

Tgt Ion:109 Resp: 10169

Ion	Ratio	Lower	Upper
109	100		
97	116.6	85.4	128.2
291	49.6	25.4	38.2#

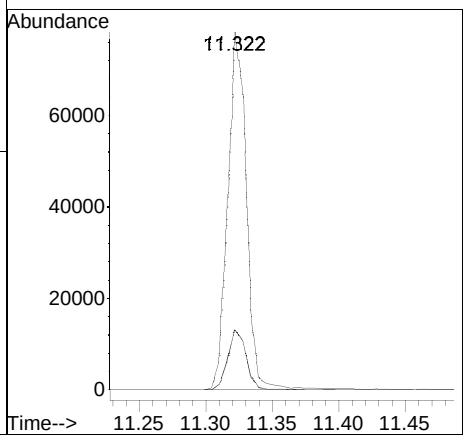




#103
3,3'-Dimethylbenzidine
Concen: 4.01 ug/ml
RT: 11.322 min Scan# 1638
Delta R.T. -0.006 min
Lab File: ADPICV.D
Acq: 16 Dec 2024 10:04 am

Tgt Ion:212 Resp: 75003

Ion	Ratio	Lower	Upper
212	100		
211	16.9	13.3	19.9
213	16.5	13.4	20.2



Manual Integration Report

Data Path	: I:\8270\SV112\241215RVTica	QMethod	: FS241215SV112RVT.m
Data File	: ADPICV.D	Operator	: SV112:HNY
Date Inj'd	: 12/16/2024 10:04 am	Instrument	: SV112
Sample	: CQICV,32,,ADPICV Lot# 1120	Quant Date	: 12/16/2024 2:56 pm

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV112

Method Path : I:\8270\SV112\241215RVTical\
Method File : FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 16 15:06:46 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
60	T Caprolactam	L	ug/ml	5.0	4.326	-13.5	0.50	0.647	29.4
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.239	-15.2	0.50	0.650	30.0
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.526	-9.5	0.50	0.584	16.8
102	T Parathion	Q	ug/ml	5.0	4.434	-11.3	0.10	0.114	14.0
103	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.168	-16.6	1.00	1.266	26.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
60	T Caprolactam	Linear	0.996822	0.000000	0.143989	-0.0105667
66	T 2,4-Dinitrophenol	Linear	0.996903	0.000000	0.223267	-0.0198066
76	T 4,6-Dinitro-o-cresol	Linear	0.998213	0.000000	0.297928	-0.0223836
102	T Parathion	Quadratic	0.998668	0.004048	0.074971	-0.000958819
103	T 3,3'-Dimethylbenzidine	Linear	0.996171	0.000000	0.770389	-0.16454

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.681	-	-8.1	20	101	0
Pyridine	0.954	1.1	-	-15.3	20	100	0
2-Fluorophenol	1.028	1.042	-	-1.4	20	95	0
Aniline	1.567	1.601	-	-2.2	20	96	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	94	0
Phenol-d6	1.317	1.324	-	-0.5	20	95	0
Phenol	1.421	1.432	-	-0.8	20	95	0
Bis(2-chloroethyl)ether	1.017	1.039	-	-2.2	20	98	0
1,3-Dichlorobenzene	1.577	1.535	-	2.7	20	94	0
1,4-Dichlorobenzene	1.61	1.535	-	4.7	20	92	0
1,2-Dichlorobenzene	1.534	1.525	-	0.6	20	96	0
Benzyl alcohol	0.93	1.003	-	-7.8	20	101	0
Bis(2-chloroisopropyl)ethe	1.794	1.982	-	-10.5	20	107	0
2-Methylphenol	1.079	1.082	-	-0.3	20	98	0
Hexachloroethane	0.589	0.585	-	0.7	20	99	0
n-Nitrosodi-n-propylamine	0.863	0.913	-	-5.8	20	103	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	99	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	102	0
Nitrobenzene	1.222	1.323	-	-8.3	20	101	0
Isophorone	2.247	2.387	-	-6.2	20	101	0
2-Nitrophenol	0.619	0.671	-	-8.4	20	103	0
2,4-Dimethylphenol	1.101	1.101	-	0	20	95	0
Bis(2-chloroethoxy)methane	1.4	1.469	-	-4.9	20	100	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	97	0
1,2,4-Trichlorobenzene	1.555	1.47	-	5.5	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.1	1.012	-	8	20	98	0
Benzoic Acid	0.228	0.215	-	5.7	20	103	0
4-Chloroaniline	0.121	0.118	-	2.5	20	99	0
Hexachlorobutadiene	0.258	0.233	-	9.7	20	92	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.713	-	6.3	20	101	0
1-Methylnaphthalene	0.242	0.232	-	4.1	20	99	0
Hexachlorocyclopentadiene	0.272	0.269	-	1.1	20	99	0
2,4,6-Trichlorophenol	0.287	0.279	-	2.8	20	99	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	104	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	98	0
2-Chloronaphthalene	0.852	0.785	-	7.9	20	97	0
2-Nitroaniline	0.218	0.219	-	-0.5	20	100	0
1,4-Dinitrobenzene	0.095	0.098	-	-3.2	20	102	0
1,3-Dinitrobenzene	0.113	0.111	-	1.8	20	96	0
Dimethyl phthalate	0.991	0.959	-	3.2	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.227	-	2	20	102	0
2,6-Dinitrotoluene	0.185	0.183	-	1.1	20	97	0
1,2-Dinitrobenzene	0.066	0.069	-	-4.5	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	103	0
3-Nitroaniline	0.309	0.317	-	-2.6	20	105	0
Acenaphthene	1.163	1.052	-	9.5	20	102	0
2,4-Dinitrophenol	0.188	0.174	-	7.4	20	104	0
Dibenzofuran	2.006	1.773	-	11.6	20	100	0
2,4-Dinitrotoluene	0.387	0.394	-	-1.8	20	101	0
4-Nitrophenol	0.23	0.255	-	-10.9	20	113	0
2,3,5,6-Tetrachlorophenol	0.436	0.429	-	1.6	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	104	0
Diethyl phthalate	1.575	1.487	-	5.6	20	107	0
Fluorene	1.536	1.417	-	7.7	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.689	-	13	20	98	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	102	0
4,6-Dinitro-o-cresol	0.234	0.253	-	-8.1	20	108	0
NDPA/DPA	1.337	1.189	-	11.1	20	100	0
Azobenzene	1.281	1.289	-	-0.6	20	109	0
2,4,6-Tribromophenol	0.286	0.304	-	-6.3	20	115	0
4-Bromophenyl phenyl ether	0.522	0.451	-	13.6	20	98	0
Hexachlorobenzene	0.656	0.605	-	7.8	20	106	0
Pentachlorophenol	0.356	0.379	-	-6.5	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	104	0
Phenanthrene	1.183	1.068	-	9.7	20	102	0
Anthracene	1.16	1.067	-	8	20	103	0
Carbazole	1.064	1.013	-	4.8	20	103	0
Di-n-butylphthalate	1.207	1.196	-	0.9	20	105	0
Fluoranthene	1.422	1.278	-	10.1	20	101	0
Benzidine	0.772	0.732	-	5.2	20	95	0
Pyrene	1.52	1.409	-	7.3	20	103	0
4-Terphenyl-d14	1.157	1.013	-	12.4	20	99	0
Butyl benzyl phthalate	0.517	0.537	-	-3.9	20	107	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.231	-	9.2	20	100	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	99	0
Chrysene	1.349	1.189	-	11.9	20	98	0
Bis(2-ethylhexyl)phthalate	0.726	0.756	-	-4.1	20	104	0
Di-n-octylphthalate	1.212	1.254	-	-3.5	20	104	0
Benzo(b)fluoranthene	1.42	1.331	-	6.3	20	103	0
Benzo(k)fluoranthene	1.383	1.278	-	7.6	20	95	0
Benzo(a)pyrene	1.267	1.205	-	4.9	20	99	0
IS1_Perylene-d12	1	1	-	0	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:16	
Lab File ID	: ABN1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.105	-	10.5	20	95	0
Dibenzo(a,h)anthracene	1.213	1.084	-	10.6	20	94	0
Benzo(ghi)perylene	1.192	1.085	-	9	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:39	
Lab File ID	: AP91217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-4		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	0.703	0.781	-	-11.1	20	93	0
Acetophenone	1.403	1.589	-	-13.3	20	99	0
m-Toluidine	1.287	1.401	-	-8.9	20	96	0
2-Chloroaniline	1.368	1.558	-	-13.9	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.25	-	-13.1	20	107	0
3-Chloroaniline	0.115	0.13	-	-13	20	104	0
2,6-Dichlorophenol	0.296	0.323	-	-9.1	20	102	0
1-chloro-2-nitrobenzene	0.113	0.128	-	-13.3	20	102	0
Caprolactam	0.123	0.142	-	-15.4	20	112	0
1,2,4,5-Tetrachlorobenzene	0.413	0.411	-	0.5	20	95	0
Biphenyl	0.842	0.878	-	-4.3	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	101	0
Dichloran	0.169	0.181	-	-7.1	20	110	0
Pentachloronitrobenzene	0.187	0.208	-	-11.2	20	116	0
IS2_Phenanthrene-d10	1	1	-	0	20	105	0
Diphenamid	0.416	0.447	-	-7.5	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 21:01	
Lab File ID	: ADP1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
1,4-Dioxane	0.381	0.453	-	-18.9	20	108	0
n-Decane	1.048	1.079	-	-3	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	108	0
Atrazine	0.343	0.343	-	0	20	108	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.334	0.358	-	-7.2	20	119	0
Parathion	5	5.188	-	-3.8	20	129	0
3,3'-Dimethylbenzidine	0.728	0.682	-	6.3	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
n-Nitrosodimethylamine	0.76	0.676	-	11.1	20	64	0
Pyridine	1.219	1.149	-	5.7	20	68	0
2-Fluorophenol	1.245	1.117	-	10.3	20	65	0
Aniline	1.771	1.59	-	10.2	20	63	0
2-Chlorophenol	1.365	1.299	-	4.8	20	67	0
Phenol-d6	1.498	1.314	-	12.3	20	64	0
Phenol	1.555	1.353	-	13	20	62	0
Bis(2-chloroethyl)ether	1.28	1.07	-	16.4	20	59	0
1,3-Dichlorobenzene	1.669	1.511	-	9.5	20	66	0
1,4-Dichlorobenzene	1.7	1.515	-	10.9	20	66	0
1,2-Dichlorobenzene	1.63	1.466	-	10.1	20	65	0
Benzyl alcohol	1.06	0.9	-	15.1	20	61	0
Bis(2-chloroisopropyl)ethe	2.014	1.412	-	29.9*	20	51	0
2-Methylphenol	1.123	1.11	-	1.2	20	70	0
Hexachloroethane	0.614	0.589	-	4.1	20	70	0
n-Nitrosodi-n-propylamine	0.94	0.824	-	12.3	20	61	0
3-Methylphenol/4-Methylphe	1.225	1.159	-	5.4	20	66	0
Nitrobenzene-d5	1.359	1.242	-	8.6	20	65	0
Nitrobenzene	1.389	1.233	-	11.2	20	64	0
Isophorone	2.416	2.048	-	15.2	20	59	0
2-Nitrophenol	0.713	0.691	-	3.1	20	66	0
2,4-Dimethylphenol	1.119	0.945	-	15.5	20	60	0
Bis(2-chloroethoxy)methane	1.614	1.356	-	16	20	59	0
2,4-Dichlorophenol	1.25	1.194	-	4.5	20	66	0
1,2,4-Trichlorobenzene	1.449	1.309	-	9.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	69	0
Naphthalene	1.129	1.011	-	10.5	20	64	0
Benzoic Acid	5	4.589	-	8.2	20	63	0
4-Chloroaniline	0.127	0.108	-	15	20	58	0
Hexachlorobutadiene	0.239	0.237	-	0.8	20	68	0
p-Chloro-m-cresol	0.296	0.284	-	4.1	20	64	0
2-Methylnaphthalene	0.752	0.7	-	6.9	20	65	0
1-Methylnaphthalene	0.243	0.236	-	2.9	20	69	0
Hexachlorocyclopentadiene	0.262	0.263	-	-0.4	20	70	0
2,4,6-Trichlorophenol	0.275	0.263	-	4.4	20	64	0
2,4,5-Trichlorophenol	0.285	0.276	-	3.2	20	66	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	62	0
2-Chloronaphthalene	0.785	0.797	-	-1.5	20	72	0
2-Nitroaniline	0.223	0.238	-	-6.7	20	70	0
1,4-Dinitrobenzene	0.114	0.122	-	-7	20	69	0
1,3-Dinitrobenzene	0.125	0.135	-	-8	20	69	0
Dimethyl phthalate	0.915	0.945	-	-3.3	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.214	-	-3.8	20	71	0
2,6-Dinitrotoluene	0.186	0.202	-	-8.6	20	68	0
1,2-Dinitrobenzene	0.081	0.084	-	-3.7	20	68	0
IS1_Acenaphthene-d10	1	1	-	0	20	74	0
3-Nitroaniline	0.323	0.319	-	1.2	20	70	0
Acenaphthene	1.157	1.065	-	8	20	71	0
2,4-Dinitrophenol	5	5.113	-	-2.3	20	74	0
Dibenzofuran	1.872	1.681	-	10.2	20	70	0
2,4-Dinitrotoluene	0.419	0.413	-	1.4	20	70	0
4-Nitrophenol	0.239	0.216	-	9.6	20	62	0
2,3,5,6-Tetrachlorophenol	0.39	0.397	-	-1.8	20	72	0
2,3,4,6-Tetrachlorophenol	0.385	0.388	-	-0.8	20	71	0
Diethyl phthalate	1.518	1.341	-	11.7	20	67	0
Fluorene	1.462	1.357	-	7.2	20	70	0
4-Chlorophenyl phenyl ethe	0.75	0.677	-	9.7	20	69	0
4-Nitroaniline	0.329	0.307	-	6.7	20	68	0
4,6-Dinitro-o-cresol	5	4.505	-	9.9	20	71	0
NDPA/DPA	1.261	1.183	-	6.2	20	69	0
Azobenzene	1.232	1.042	-	15.4	20	62	0
2,4,6-Tribromophenol	0.226	0.224	-	0.9	20	72	0
4-Bromophenyl phenyl ether	0.465	0.427	-	8.2	20	69	0
Hexachlorobenzene	0.526	0.493	-	6.3	20	73	0
Pentachlorophenol	0.319	0.315	-	1.3	20	71	0
IS1_Phenanthrene-d10	1	1	-	0	20	70	0
Phenanthrene	1.174	1.105	-	5.9	20	69	0
Anthracene	1.17	1.104	-	5.6	20	70	0
Carbazole	1.054	1.022	-	3	20	69	0
Di-n-butylphthalate	1.319	1.267	-	3.9	20	66	0
Fluoranthene	1.353	1.334	-	1.4	20	70	0
Benzidine	0.776	0.784	-	-1	20	66	0
Pyrene	1.428	1.393	-	2.5	20	70	0
4-Terphenyl-d14	1.073	1.088	-	-1.4	20	72	0
Butyl benzyl phthalate	0.555	0.579	-	-4.3	20	68	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.379	1.274	-	7.6	20	72	0
3,3'-Dichlorobenzidine	0.453	0.456	-	-0.7	20	73	0
Chrysene	1.324	1.203	-	9.1	20	71	0
Bis(2-ethylhexyl)phthalate	0.828	0.785	-	5.2	20	66	0
Di-n-octylphthalate	1.373	1.372	-	0.1	20	68	0
Benzo(b)fluoranthene	1.331	1.391	-	-4.5	20	81	0
Benzo(k)fluoranthene	1.24	1.214	-	2.1	20	72	0
Benzo(a)pyrene	1.155	1.207	-	-4.5	20	78	0
IS1_Perylene-d12	1	1	-	0	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:19	
Lab File ID	: ABN1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.264	-	-4.2	20	84	0
Dibenzo(a,h)anthracene	1.153	1.199	-	-4	20	83	0
Benzo(ghi)perylene	1.08	1.141	-	-5.6	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:43	
Lab File ID	: AP91218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.908	-	4.2	20	78	0
Acetophenone	1.829	1.553	-	15.1	20	72	0
m-Toluidine	1.612	1.484	-	7.9	20	77	0
2-Chloroaniline	1.609	1.49	-	7.4	20	76	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.282	0.213	-	24.5*	20	60	0
3-Chloroaniline	0.132	0.117	-	11.4	20	66	0
2,6-Dichlorophenol	0.3	0.291	-	3	20	74	0
1-chloro-2-nitrobenzene	0.145	0.13	-	10.3	20	71	0
Caprolactam	0.147	0.111	-	24.5*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.366	-	9	20	73	0
Biphenyl	0.907	0.829	-	8.6	20	71	0
IS2_Acenaphthene-d10	1	1	-	0	20	79	0
Dichloran	0.181	0.186	-	-2.8	20	82	0
Pentachloronitrobenzene	0.193	0.2	-	-3.6	20	79	0
IS2_Phenanthrene-d10	1	1	-	0	20	74	0
Diphenamid	0.505	0.511	-	-1.2	20	72	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 23:07	
Lab File ID	: ADP1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
1,4-Dioxane	0.485	0.426	-	12.2	20	64	0
n-Decane	1.486	1.087	-	26.9*	20	51	0
IS3_Acenaphthene-d10	1	1	-	0	20	64	0
Atrazine	0.415	0.367	-	11.6	20	60	0
IS3_Phenanthrene-d10	1	1	-	0	20	67	0
n-Octadecane	0.485	0.318	-	34.4*	20	44	0
Parathion	5	4.497	-	10.1	20	69	0
3,3'-Dimethylbenzidine	0.821	0.74	-	9.9	20	66	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
n-Nitrosodimethylamine	0.63	0.68	-	-7.9	20	100	0
Pyridine	0.954	1.089	-	-14.2	20	98	0
2-Fluorophenol	1.028	1.003	-	2.4	20	91	0
Aniline	1.567	1.563	-	0.3	20	93	0
2-Chlorophenol	1.225	1.198	-	2.2	20	90	0
Phenol-d6	1.317	1.286	-	2.4	20	92	0
Phenol	1.421	1.426	-	-0.4	20	94	0
Bis(2-chloroethyl)ether	1.017	0.996	-	2.1	20	93	0
1,3-Dichlorobenzene	1.577	1.451	-	8	20	88	0
1,4-Dichlorobenzene	1.61	1.473	-	8.5	20	87	0
1,2-Dichlorobenzene	1.534	1.433	-	6.6	20	89	0
Benzyl alcohol	0.93	0.948	-	-1.9	20	95	0
Bis(2-chloroisopropyl)ethe	1.794	1.967	-	-9.6	20	105	0
2-Methylphenol	1.079	1.055	-	2.2	20	95	0
Hexachloroethane	0.589	0.573	-	2.7	20	96	0
n-Nitrosodi-n-propylamine	0.863	0.871	-	-0.9	20	98	0
3-Methylphenol/4-Methylphe	1.182	1.163	-	1.6	20	96	0
Nitrobenzene-d5	1.195	1.275	-	-6.7	20	99	0
Nitrobenzene	1.222	1.274	-	-4.3	20	97	0
Isophorone	2.247	2.284	-	-1.6	20	96	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	102	0
2,4-Dimethylphenol	1.101	1.041	-	5.4	20	89	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	96	0
2,4-Dichlorophenol	1.285	1.303	-	-1.4	20	95	0
1,2,4-Trichlorobenzene	1.555	1.476	-	5.1	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	1.022	-	7.1	20	95	0
Benzoic Acid	0.228	0.236	-	-3.5	20	109	0
4-Chloroaniline	0.121	0.117	-	3.3	20	94	0
Hexachlorobutadiene	0.258	0.238	-	7.8	20	91	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.712	-	6.4	20	97	0
1-Methylnaphthalene	0.242	0.225	-	7	20	93	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	94	0
2,4,6-Trichlorophenol	0.287	0.286	-	0.3	20	98	0
2,4,5-Trichlorophenol	0.32	0.303	-	5.3	20	96	0
2-Fluorobiphenyl	0.99	0.91	-	8.1	20	95	0
2-Chloronaphthalene	0.852	0.787	-	7.6	20	94	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	97	0
1,4-Dinitrobenzene	0.095	0.1	-	-5.3	20	101	0
1,3-Dinitrobenzene	0.113	0.112	-	0.9	20	93	0
Dimethyl phthalate	0.991	0.958	-	3.3	20	99	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.201	-	4.1	20	97	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	98	0
1,2-Dinitrobenzene	0.066	0.067	-	-1.5	20	91	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.309	0.312	-	-1	20	99	0
Acenaphthene	1.163	1.047	-	10	20	98	0
2,4-Dinitrophenol	0.188	0.159	-	15.4	20	91	0
Dibenzofuran	2.006	1.792	-	10.7	20	97	0
2,4-Dinitrotoluene	0.387	0.399	-	-3.1	20	98	0
4-Nitrophenol	0.23	0.256	-	-11.3	20	109	0
2,3,5,6-Tetrachlorophenol	0.436	0.446	-	-2.3	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.425	-	0.7	20	102	0
Diethyl phthalate	1.575	1.454	-	7.7	20	100	0
Fluorene	1.536	1.393	-	9.3	20	97	0
4-Chlorophenyl phenyl ethe	0.792	0.688	-	13.1	20	94	0
4-Nitroaniline	0.299	0.307	-	-2.7	20	97	0
4,6-Dinitro-o-cresol	0.234	0.239	-	-2.1	20	98	0
NDPA/DPA	1.337	1.189	-	11.1	20	97	0
Azobenzene	1.281	1.283	-	-0.2	20	105	0
2,4,6-Tribromophenol	0.286	0.307	-	-7.3	20	112	0
4-Bromophenyl phenyl ether	0.522	0.466	-	10.7	20	98	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	101	0
Pentachlorophenol	0.356	0.39	-	-9.6	20	108	0
IS1_Phenanthrene-d10	1	1	-	0	20	99	0
Phenanthrene	1.183	1.073	-	9.3	20	98	0
Anthracene	1.16	1.075	-	7.3	20	98	0
Carbazole	1.064	0.995	-	6.5	20	97	0
Di-n-butylphthalate	1.207	1.213	-	-0.5	20	101	0
Fluoranthene	1.422	1.325	-	6.8	20	99	0
Benzidine	0.772	0.732	-	5.2	20	91	0
Pyrene	1.52	1.42	-	6.6	20	98	0
4-Terphenyl-d14	1.157	1.011	-	12.6	20	94	0
Butyl benzyl phthalate	0.517	0.538	-	-4.1	20	102	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.355	1.227	-	9.4	20	95	0
3,3'-Dichlorobenzidine	0.505	0.488	-	3.4	20	94	0
Chrysene	1.349	1.175	-	12.9	20	93	0
Bis(2-ethylhexyl)phthalate	0.726	0.762	-	-5	20	101	0
Di-n-octylphthalate	1.212	1.246	-	-2.8	20	99	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	96	0
Benzo(k)fluoranthene	1.383	1.275	-	7.8	20	91	0
Benzo(a)pyrene	1.267	1.169	-	7.7	20	92	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/18/24 23:39	
Lab File ID	: ABN1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.087	-	11.9	20	90	0
Dibenzo(a,h)anthracene	1.213	1.062	-	12.4	20	88	0
Benzo(ghi)perylene	1.192	1.064	-	10.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/19/24 00:02	
Lab File ID	: AP91218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-4		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
Benzaldehyde	0.703	0.759	-	-8	20	86	0
Acetophenone	1.403	1.597	-	-13.8	20	95	0
m-Toluidine	1.287	1.445	-	-12.3	20	95	0
2-Chloroaniline	1.368	1.563	-	-14.3	20	95	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.243	-	-10	20	100	0
3-Chloroaniline	0.115	0.129	-	-12.2	20	100	0
2,6-Dichlorophenol	0.296	0.327	-	-10.5	20	99	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	100	0
Caprolactam	0.123	0.136	-	-10.6	20	104	0
1,2,4,5-Tetrachlorobenzene	0.413	0.414	-	-0.2	20	92	0
Biphenyl	0.842	0.882	-	-4.8	20	95	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.182	-	-7.7	20	106	0
Pentachloronitrobenzene	0.187	0.211	-	-12.8	20	113	0
IS2_Phenanthrene-d10	1	1	-	0	20	99	0
Diphenamid	0.416	0.452	-	-8.7	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/19/24 00:24	
Lab File ID	: ADP1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
1,4-Dioxane	0.381	0.413	-	-8.4	20	95	0
n-Decane	1.048	1.085	-	-3.5	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	102	0
Atrazine	0.343	0.337	-	1.7	20	101	0
IS3_Phenanthrene-d10	1	1	-	0	20	104	0
n-Octadecane	0.334	0.36	-	-7.8	20	113	0
Parathion	5	5.121	-	-2.4	20	120	0
3,3'-Dimethylbenzidine	0.728	0.677	-	7	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
n-Nitrosodimethylamine	0.739	0.736	-	0.4	20	117	0
Pyridine	1.143	1.211	-	-5.9	20	116	0
2-Fluorophenol	1.117	1.124	-	-0.6	20	117	0
Aniline	1.761	1.83	-	-3.9	20	119	0
2-Chlorophenol	1.265	1.316	-	-4	20	120	0
Phenol-d6	1.415	1.42	-	-0.4	20	117	0
Phenol	1.604	1.684	-	-5	20	120	0
Bis(2-chloroethyl)ether	1.219	1.254	-	-2.9	20	120	0
1,3-Dichlorobenzene	1.548	1.57	-	-1.4	20	120	0
1,4-Dichlorobenzene	1.564	1.564	-	0	20	117	0
1,2-Dichlorobenzene	1.522	1.525	-	-0.2	20	119	0
Benzyl alcohol	0.988	1.024	-	-3.6	20	118	0
Bis(2-chloroisopropyl)ethe	1.452	1.537	-	-5.9	20	120	0
2-Methylphenol	1.084	1.141	-	-5.3	20	123	0
Hexachloroethane	0.591	0.609	-	-3	20	122	0
n-Nitrosodi-n-propylamine	0.893	0.913	-	-2.2	20	122	0
3-Methylphenol/4-Methylphe	1.179	1.229	-	-4.2	20	119	0
Nitrobenzene-d5	1.273	1.334	-	-4.8	20	119	0
Nitrobenzene	1.315	1.357	-	-3.2	20	118	0
Isophorone	2.342	2.399	-	-2.4	20	114	0
2-Nitrophenol	0.614	0.686	-	-11.7	20	124	0
2,4-Dimethylphenol	1.099	1.189	-	-8.2	20	123	0
Bis(2-chloroethoxy)methane	1.615	1.659	-	-2.7	20	117	0
2,4-Dichlorophenol	1.203	1.261	-	-4.8	20	117	0
1,2,4-Trichlorobenzene	1.483	1.478	-	0.3	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	113	0
Naphthalene	1.049	1.077	-	-2.7	20	118	0
Benzoic Acid	0.249	0.212	-	14.9	20	109	0
4-Chloroaniline	0.123	0.131	-	-6.5	20	119	0
Hexachlorobutadiene	0.259	0.255	-	1.5	20	118	0
p-Chloro-m-cresol	0.285	0.303	-	-6.3	20	120	0
2-Methylnaphthalene	0.727	0.722	-	0.7	20	117	0
1-Methylnaphthalene	0.245	0.241	-	1.6	20	119	0
Hexachlorocyclopentadiene	0.27	0.294	-	-8.9	20	128	0
2,4,6-Trichlorophenol	0.267	0.286	-	-7.1	20	121	0
2,4,5-Trichlorophenol	0.286	0.302	-	-5.6	20	119	0
2-Fluorobiphenyl	0.914	0.91	-	0.4	20	116	0
2-Chloronaphthalene	0.774	0.767	-	0.9	20	115	0
2-Nitroaniline	0.202	0.212	-	-5	20	120	0
1,4-Dinitrobenzene	0.111	0.114	-	-2.7	20	119	0
1,3-Dinitrobenzene	0.126	0.131	-	-4	20	119	0
Dimethyl phthalate	0.917	0.926	-	-1	20	115	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.09	1.172	-	-7.5	20	118	0
2,6-Dinitrotoluene	0.175	0.194	-	-10.9	20	120	0
1,2-Dinitrobenzene	0.078	0.083	-	-6.4	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	114	0
3-Nitroaniline	0.313	0.322	-	-2.9	20	115	0
Acenaphthene	1.122	1.112	-	0.9	20	120	0
2,4-Dinitrophenol	5	4.934	-	1.3	20	135	0
Dibenzofuran	1.899	1.853	-	2.4	20	116	0
2,4-Dinitrotoluene	0.392	0.435	-	-11	20	118	0
4-Nitrophenol	0.245	0.257	-	-4.9	20	115	0
2,3,5,6-Tetrachlorophenol	0.412	0.44	-	-6.8	20	116	0
2,3,4,6-Tetrachlorophenol	0.402	0.434	-	-8	20	119	0
Diethyl phthalate	1.471	1.486	-	-1	20	113	0
Fluorene	1.446	1.445	-	0.1	20	116	0
4-Chlorophenyl phenyl ethe	0.792	0.754	-	4.8	20	114	0
4-Nitroaniline	0.311	0.339	-	-9	20	120	0
4,6-Dinitro-o-cresol	5	4.921	-	1.6	20	125	0
NDPA/DPA	1.205	1.252	-	-3.9	20	118	0
Azobenzene	1.314	1.395	-	-6.2	20	119	0
2,4,6-Tribromophenol	0.244	0.256	-	-4.9	20	121	0
4-Bromophenyl phenyl ether	0.505	0.497	-	1.6	20	118	0
Hexachlorobenzene	0.616	0.583	-	5.4	20	116	0
Pentachlorophenol	0.335	0.364	-	-8.7	20	120	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.122	1.093	-	2.6	20	115	0
Anthracene	1.087	1.103	-	-1.5	20	118	0
Carbazole	0.982	1.023	-	-4.2	20	117	0
Di-n-butylphthalate	1.059	1.159	-	-9.4	20	117	0
Fluoranthene	1.298	1.332	-	-2.6	20	117	0
Benzidine	0.667	0.777	-	-16.5	20	129	0
Pyrene	1.363	1.416	-	-3.9	20	116	0
4-Terphenyl-d14	1.068	1.105	-	-3.5	20	119	0
Butyl benzyl phthalate	0.471	0.525	-	-11.5	20	124	0
IS1_Chrysene-d12	1	1	-	0	20	117	0
Benzo(a)anthracene	1.25	1.273	-	-1.8	20	118	0
3,3'-Dichlorobenzidine	0.439	0.473	-	-7.7	20	121	0
Chrysene	1.276	1.215	-	4.8	20	118	0
Bis(2-ethylhexyl)phthalate	0.62	0.71	-	-14.5	20	122	0
Di-n-octylphthalate	0.957	1.155	-	-20.7*	20	126	0
Benzo(b)fluoranthene	1.3	1.286	-	1.1	20	109	0
Benzo(k)fluoranthene	1.194	1.322	-	-10.7	20	128	0
Benzo(a)pyrene	1.116	1.191	-	-6.7	20	119	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:24	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-3		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.157	1.176	-	-1.6	20	119	0
Dibenzo(a,h)anthracene	1.089	1.142	-	-4.9	20	123	0
Benzo(ghi)perylene	1.086	1.093	-	-0.6	20	123	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
n-Nitrosodimethylamine	0.76	0.706	-	7.1	20	81	0
Pyridine	1.219	1.054	-	13.5	20	75	0
2-Fluorophenol	1.245	1.129	-	9.3	20	79	0
Aniline	1.771	1.619	-	8.6	20	77	0
2-Chlorophenol	1.365	1.333	-	2.3	20	83	0
Phenol-d6	1.498	1.355	-	9.5	20	80	0
Phenol	1.555	1.771	-	-13.9	20	97	0
Bis(2-chloroethyl)ether	1.28	1.091	-	14.8	20	73	0
1,3-Dichlorobenzene	1.669	1.566	-	6.2	20	83	0
1,4-Dichlorobenzene	1.7	1.588	-	6.6	20	83	0
1,2-Dichlorobenzene	1.63	1.597	-	2	20	86	0
Benzyl alcohol	1.06	0.978	-	7.7	20	79	0
Bis(2-chloroisopropyl)ethe	2.014	1.164	-	42.2*	20	51	0
2-Methylphenol	1.123	1.071	-	4.6	20	81	0
Hexachloroethane	0.614	0.555	-	9.6	20	80	0
n-Nitrosodi-n-propylamine	0.94	0.785	-	16.5	20	71	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	79	0
Nitrobenzene-d5	1.359	1.187	-	12.7	20	75	0
Nitrobenzene	1.389	1.194	-	14	20	74	0
Isophorone	2.416	2.102	-	13	20	73	0
2-Nitrophenol	0.713	0.766	-	-7.4	20	88	0
2,4-Dimethylphenol	1.119	1.147	-	-2.5	20	88	0
Bis(2-chloroethoxy)methane	1.614	1.481	-	8.2	20	78	0
2,4-Dichlorophenol	1.25	1.242	-	0.6	20	82	0
1,2,4-Trichlorobenzene	1.449	1.475	-	-1.8	20	90	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.129	1.044	-	7.5	20	86	0
Benzoic Acid	5	4.91	-	1.8	20	89	0
4-Chloroaniline	0.127	0.104	-	18.1	20	72	0
Hexachlorobutadiene	0.239	0.225	-	5.9	20	84	0
p-Chloro-m-cresol	0.296	0.28	-	5.4	20	82	0
2-Methylnaphthalene	0.752	0.669	-	11	20	80	0
1-Methylnaphthalene	0.243	0.227	-	6.6	20	86	0
Hexachlorocyclopentadiene	0.262	0.259	-	1.1	20	89	0
2,4,6-Trichlorophenol	0.275	0.26	-	5.5	20	81	0
2,4,5-Trichlorophenol	0.285	0.264	-	7.4	20	82	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	80	0
2-Chloronaphthalene	0.785	0.706	-	10.1	20	82	0
2-Nitroaniline	0.223	0.209	-	6.3	20	80	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	81	0
1,3-Dinitrobenzene	0.125	0.122	-	2.4	20	80	0
Dimethyl phthalate	0.915	0.832	-	9.1	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.051	-	10.2	20	80	0
2,6-Dinitrotoluene	0.186	0.182	-	2.2	20	80	0
1,2-Dinitrobenzene	0.081	0.074	-	8.6	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	81	0
3-Nitroaniline	0.323	0.337	-	-4.3	20	82	0
Acenaphthene	1.157	1.098	-	5.1	20	81	0
2,4-Dinitrophenol	5	4.801	-	4	20	76	0
Dibenzofuran	1.872	1.739	-	7.1	20	80	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	79	0
4-Nitrophenol	0.239	0.212	-	11.3	20	67	0
2,3,5,6-Tetrachlorophenol	0.39	0.413	-	-5.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.385	0.398	-	-3.4	20	81	0
Diethyl phthalate	1.518	1.407	-	7.3	20	77	0
Fluorene	1.462	1.407	-	3.8	20	80	0
4-Chlorophenyl phenyl ethe	0.75	0.716	-	4.5	20	81	0
4-Nitroaniline	0.329	0.324	-	1.5	20	79	0
4,6-Dinitro-o-cresol	5	4.797	-	4.1	20	84	0
NDPA/DPA	1.261	1.216	-	3.6	20	79	0
Azobenzene	1.232	1.035	-	16	20	68	0
2,4,6-Tribromophenol	0.226	0.241	-	-6.6	20	85	0
4-Bromophenyl phenyl ether	0.465	0.466	-	-0.2	20	83	0
Hexachlorobenzene	0.526	0.532	-	-1.1	20	87	0
Pentachlorophenol	0.319	0.332	-	-4.1	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.174	1.077	-	8.3	20	78	0
Anthracene	1.17	1.099	-	6.1	20	80	0
Carbazole	1.054	0.987	-	6.4	20	77	0
Di-n-butylphthalate	1.319	1.272	-	3.6	20	77	0
Fluoranthene	1.353	1.288	-	4.8	20	78	0
Benzidine	0.776	0.812	-	-4.6	20	79	0
Pyrene	1.428	1.356	-	5	20	78	0
4-Terphenyl-d14	1.073	1.049	-	2.2	20	81	0
Butyl benzyl phthalate	0.555	0.595	-	-7.2	20	81	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.379	1.318	-	4.4	20	82	0
3,3'-Dichlorobenzidine	0.453	0.48	-	-6	20	84	0
Chrysene	1.324	1.244	-	6	20	81	0
Bis(2-ethylhexyl)phthalate	0.828	0.86	-	-3.9	20	78	0
Di-n-octylphthalate	1.373	1.53	-	-11.4	20	83	0
Benzo(b)fluoranthene	1.331	1.444	-	-8.5	20	92	0
Benzo(k)fluoranthene	1.24	1.231	-	0.7	20	80	0
Benzo(a)pyrene	1.155	1.253	-	-8.5	20	88	0
IS1_Perylene-d12	1	1	-	0	20	88	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:28	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.233	-	-1.6	20	90	0
Dibenzo(a,h)anthracene	1.153	1.189	-	-3.1	20	90	0
Benzo(ghi)perylene	1.08	1.127	-	-4.4	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:47	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-4		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	131	0
Benzaldehyde	0.832	0.794	-	4.6	20	134	0
Acetophenone	1.813	1.571	-	13.3	20	125	0
m-Toluidine	1.357	1.4	-	-3.2	20	136	0
2-Chloroaniline	1.57	1.444	-	8	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.253	0.252	-	0.4	20	141	0
3-Chloroaniline	0.13	0.127	-	2.3	20	127	0
2,6-Dichlorophenol	0.312	0.299	-	4.2	20	128	0
1-chloro-2-nitrobenzene	0.141	0.136	-	3.5	20	130	0
Caprolactam	5	4.351	-	13	20	130	0
1,2,4,5-Tetrachlorobenzene	0.468	0.405	-	13.5	20	122	0
Biphenyl	0.969	0.856	-	11.7	20	123	0
IS2_Acenaphthene-d10	1	1	-	0	20	134	0
Dichloran	0.169	0.17	-	-0.6	20	141	0
Pentachloronitrobenzene	0.19	0.19	-	0	20	136	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.455	0.438	-	3.7	20	132	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:52	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.79	-	16.7	20	68	0
Acetophenone	1.829	1.611	-	11.9	20	75	0
m-Toluidine	1.612	1.395	-	13.5	20	72	0
2-Chloroaniline	1.609	1.524	-	5.3	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.282	0.201	-	28.7*	20	61	0
3-Chloroaniline	0.132	0.104	-	21.2*	20	64	0
2,6-Dichlorophenol	0.3	0.277	-	7.7	20	76	0
1-chloro-2-nitrobenzene	0.145	0.132	-	9	20	77	0
Caprolactam	0.147	0.104	-	29.3*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.372	-	7.5	20	80	0
Biphenyl	0.907	0.822	-	9.4	20	76	0
IS2_Acenaphthene-d10	1	1	-	0	20	88	0
Dichloran	0.181	0.183	-	-1.1	20	90	0
Pentachloronitrobenzene	0.193	0.195	-	-1	20	86	0
IS2_Phenanthrene-d10	1	1	-	0	20	85	0
Diphenamid	0.505	0.517	-	-2.4	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 12:11	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-5		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
1,4-Dioxane	0.487	0.439	-	9.9	20	112	0
n-Decane	1.199	1.158	-	3.4	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	118	0
Atrazine	0.372	0.35	-	5.9	20	115	0
IS3_Phenanthrene-d10	1	1	-	0	20	116	0
n-Octadecane	0.315	0.334	-	-6	20	121	0
Parathion	5	4.771	-	4.6	20	125	0
3,3'-Dimethylbenzidine	5	4.723	-	5.5	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 12:15	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.485	0.376	-	22.5*	20	73	0
n-Decane	1.486	1.059	-	28.7*	20	64	0
IS3_Acenaphthene-d10	1	1	-	0	20	85	0
Atrazine	0.415	0.347	-	16.4	20	75	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.485	0.33	-	32*	20	58	0
Parathion	5	4.737	-	5.3	20	91	0
3,3'-Dimethylbenzidine	0.821	0.733	-	10.7	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : ABN1217.D
Acq On : 17 Dec 2024 8:16 pm
Operator : Dakota:ljg
Sample : WG2009957-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2009957,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 17 20:58:57 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:00:33 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	t	n-Nitrosodimethylamine	0.630	0.681	-8.1	101	0.00
3	t	Pyridine	0.954	1.100	-15.3	100	0.00
4	S	2-Fluorophenol	1.028	1.042	-1.4	95	0.00
5	T	Aniline	1.567	1.601	-2.2	96	0.00
6	t	2-Chlorophenol	1.225	1.238	-1.1	94	0.00
7	S	Phenol-d6	1.317	1.324	-0.5	95	0.00
8	T	Phenol	1.421	1.432	-0.8	95	0.00
9	T	Bis(2-chloroethyl)ether	1.017	1.039	-2.2	98	0.00
10	T	1,3-Dichlorobenzene	1.577	1.535	2.7	94	0.00
11	T	1,4-Dichlorobenzene	1.610	1.535	4.7	92	0.00
12	T	1,2-Dichlorobenzene	1.534	1.525	0.6	96	0.00
13	t	Benzyl alcohol	0.930	1.003	-7.8	101	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.982	-10.5	107	0.00
15	T	2-Methylphenol	1.079	1.082	-0.3	98	0.00
16	T	Hexachloroethane	0.589	0.585	0.7	99	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.913	-5.8	103	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.194	-1.0	99	0.00
19	S	Nitrobenzene-d5	1.195	1.304	-9.1	102	0.00
20	T	Nitrobenzene	1.222	1.323	-8.3	101	0.00
21	T	Isophorone	2.247	2.387	-6.2	101	0.00
22	T	2-Nitrophenol	0.619	0.671	-8.4	103	0.00
23	T	2,4-Dimethylphenol	1.101	1.101	0.0	95	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.469	-4.9	100	0.00
25	T	2,4-Dichlorophenol	1.285	1.311	-2.0	97	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.470	5.5	92	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	99	0.00
38	T	Naphthalene	1.100	1.012	8.0	98	0.00
39	T	Benzoic Acid	0.228	0.215	5.7	103	0.00
40	T	4-Chloroaniline	0.121	0.118	2.5	99	0.00
41	T	Hexachlorobutadiene	0.258	0.233	9.7	92	0.00
42	T	p-Chloro-m-cresol	0.290	0.287	1.0	101	0.00
43	T	2-Methylnaphthalene	0.761	0.713	6.3	101	0.00
44	T	1-Methylnaphthalene	0.242	0.232	4.1	99	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.269	1.1	99	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.279	2.8	99	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.317	0.9	104	0.00
48	S	2-Fluorobiphenyl	0.990	0.903	8.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : ABN1217.D
Acq On : 17 Dec 2024 8:16 pm
Operator : Dakota:ljg
Sample : WG2009957-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2009957,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 17 20:58:57 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:00:33 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene	0.852	0.785	7.9	97	0.00
50	T	2-Nitroaniline	0.218	0.219	-0.5	100	0.00
51	T	1,4-Dinitrobenzene	0.095	0.098	-3.2	102	0.00
52	T	1,3-Dinitrobenzene	0.113	0.111	1.8	96	0.00
53	T	Dimethyl phthalate	0.991	0.959	3.2	103	0.00
54	T	Acenaphthylene	1.252	1.227	2.0	102	0.00
55	T	2,6-Dinitrotoluene	0.185	0.183	1.1	97	0.00
56	T	1,2-Dinitrobenzene	0.066	0.069	-4.5	97	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
66	T	3-Nitroaniline	0.309	0.317	-2.6	105	0.00
67	T	Acenaphthene	1.163	1.052	9.5	102	0.00
68	T	2,4-Dinitrophenol	0.188	0.174	7.4	104	0.00
69	T	Dibenzofuran	2.006	1.773	11.6	100	0.00
70	T	2,4-Dinitrotoluene	0.387	0.394	-1.8	101	0.00
71	T	4-Nitrophenol	0.230	0.255	-10.9	113	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.429	1.6	104	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.417	2.6	104	0.00
74	T	Diethyl phthalate	1.575	1.487	5.6	107	0.00
75	T	Fluorene	1.536	1.417	7.7	103	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.689	13.0	98	0.00
77	T	4-Nitroaniline	0.299	0.310	-3.7	102	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.253	-8.1	108	0.00
79	T	NDPA/DPA	1.337	1.189	11.1	100	0.00
80	T	Azobenzene	1.281	1.289	-0.6	109	0.00
81	S	2,4,6-Tribromophenol	0.286	0.304	-6.3	115	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.451	13.6	98	0.00
83	T	Hexachlorobenzene	0.656	0.605	7.8	106	0.00
84	T	Pentachlorophenol	0.356	0.379	-6.5	109	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	104	0.00
91	T	Phenanthrene	1.183	1.068	9.7	102	0.00
92	T	Anthracene	1.160	1.067	8.0	103	0.00
93	T	Carbazole	1.064	1.013	4.8	103	0.00
94	T	Di-n-butylphthalate	1.207	1.196	0.9	105	0.00
95	T	Fluoranthene	1.422	1.278	10.1	101	0.00
96	T	Benzidine	0.772	0.732	5.2	95	0.00
97	T	Pyrene	1.520	1.409	7.3	103	0.00
98	S	4-Terphenyl-d14	1.157	1.013	12.4	99	0.00

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QLast Update : Tue Dec 17 21:00:33 2024
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.537	-3.9	107	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	101	0.00
107	T	Benzo(a)anthracene	1.355	1.231	9.2	100	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.492	2.6	99	0.00
109	T	Chrysene	1.349	1.189	11.9	98	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.756	-4.1	104	0.00
111	T	Di-n-octylphthalate	1.212	1.254	-3.5	104	0.00
112	T	Benzo(b)fluoranthene	1.420	1.331	6.3	103	0.00
113	T	Benzo(k)fluoranthene	1.383	1.278	7.6	95	0.00
114	T	Benzo(a)pyrene	1.267	1.205	4.9	99	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	101	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.105	10.5	95	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.084	10.6	94	0.00
118	T	Benzo(ghi)perylene	1.192	1.085	9.0	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:00:33 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.636	152	26655	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	4.895	136	106241	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	6.577	164	71683	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	7.966	188	155913	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	10.474	240	174995	4.000	ug/ml		0.00
115) IS1_Perylene-d12	11.820	264	205184	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.219	112	34709	5.065	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 253.25%#				
7) Phenol-d6	3.366	99	44124	5.028	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 251.40%#				
19) Nitrobenzene-d5	4.208	82	43449	5.456	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 545.60%#				
48) 2-Fluorobiphenyl	5.980	172	119975	4.563	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 456.30%#				
81) 2,4,6-Tribromophenol	7.329	330	27246	5.317	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 265.85%#				
98) 4-Terphenyl-d14	9.539	244	197332	4.374	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 437.40%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.013	74	22685	5.401	ug/ml		81
3) Pyridine	1.029	79	36653	5.766	ug/ml	#	61
5) Aniline	3.307	93	53333	5.108	ug/ml		97
6) 2-Chlorophenol	3.422	128	41256	5.054	ug/ml		91
8) Phenol	3.378	94	47703	5.039	ug/ml		98
9) Bis(2-chloroethyl)ether	3.422	93	34628	5.108	ug/ml	#	71
10) 1,3-Dichlorobenzene	3.571	146	51133	4.867	ug/ml		94
11) 1,4-Dichlorobenzene	3.652	146	51140	4.768	ug/ml		93
12) 1,2-Dichlorobenzene	3.801	146	50825	4.971	ug/ml		95
13) Benzyl alcohol	3.832	79	33408	5.390	ug/ml		98
14) Bis(2-chloroisopropyl)...	3.985	45	66051	5.525	ug/ml	#	67
15) 2-Methylphenol	3.994	108	36043	5.011	ug/ml		98
16) Hexachloroethane	4.131	117	19487	4.962	ug/ml	#	57
17) n-Nitrosodi-n-propylamine	4.115	70	30430	5.294	ug/ml	#	85
18) 3-Methylphenol/4-Methy...	4.162	108	39798	5.051	ug/ml		97
20) Nitrobenzene	4.227	77	44069	5.411	ug/ml		97
21) Isophorone	4.482	82	79524	5.311	ug/ml	#	93
22) 2-Nitrophenol	4.550	139	22356	5.422	ug/ml		89

Quantitation Report (QT Reviewed)

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Misc : WG2009957,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 17 20:58:57 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:00:33 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.671	107	36683	5.001	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.749	93	48953	5.248	ug/ml#	96
25) 2,4-Dichlorophenol	4.799	162	43677	5.101	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.861	180	48963	4.725	ug/ml	94
38) Naphthalene	4.914	128	134346	4.598	ug/ml	100
39) Benzoic Acid	4.786	105	28609	4.730	ug/ml	89
40) 4-Chloroaniline	5.016	65	15702	4.889	ug/ml#	71
41) Hexachlorobutadiene	5.085	225	30895	4.502	ug/ml	100
42) p-Chloro-m-cresol	5.545	107	38089	4.948	ug/ml	92
43) 2-Methylnaphthalene	5.598	142	94721	4.685	ug/ml	95
44) 1-Methylnaphthalene	5.685	115	30785	4.789	ug/ml	94
45) Hexachlorocyclopentadiene	5.775	237	35777	4.948	ug/ml	99
46) 2,4,6-Trichlorophenol	5.899	196	37060	4.869	ug/ml	98
47) 2,4,5-Trichlorophenol	5.927	196	42070	4.943	ug/ml	97
49) 2-Chloronaphthalene	6.051	162	104213	4.603	ug/ml	93
50) 2-Nitroaniline	6.182	138	29144	5.030	ug/ml#	79
51) 1,4-Dinitrobenzene	6.322	168	12949	5.146	ug/ml	99
52) 1,3-Dinitrobenzene	6.393	168	14730	4.887	ug/ml#	1
53) Dimethyl phthalate	6.406	163	127301	4.837	ug/ml#	98
54) Acenaphthylene	6.434	152	162954	4.901	ug/ml	99
55) 2,6-Dinitrotoluene	6.437	165	24353	4.957	ug/ml	88
56) 1,2-Dinitrobenzene	6.468	168	9114	5.180	ug/ml#	83
66) 3-Nitroaniline	6.580	138	28439	5.138	ug/ml	86
67) Acenaphthene	6.605	154	94226	4.520	ug/ml	87
68) 2,4-Dinitrophenol	6.679	184	15614	4.632	ug/ml#	87
69) Dibenzofuran	6.776	168	158831	4.418	ug/ml	91
70) 2,4-Dinitrotoluene	6.810	165	35302	5.088	ug/ml	88
71) 4-Nitrophenol	6.807	65	22830	5.533	ug/ml#	87
72) 2,3,5,6-Tetrachlorophenol	6.878	232	38448	4.916	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	6.919	232	37371	4.874	ug/ml	98
74) Diethyl phthalate	7.090	149	133245	4.722	ug/ml	96
75) Fluorene	7.096	166	126990	4.612	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.139	204	61730	4.350	ug/ml#	87
77) 4-Nitroaniline	7.152	138	27814	5.198	ug/ml#	80
78) 4,6-Dinitro-o-cresol	7.189	198	22667	5.405	ug/ml#	62
79) NDPA/DPA	7.257	169	106531	4.448	ug/ml	92
80) Azobenzene	7.282	77	115476	5.031	ug/ml	94
82) 4-Bromophenyl phenyl e...	7.593	248	40393	4.322	ug/ml#	81
83) Hexachlorobenzene	7.621	284	54199	4.607	ug/ml#	79
84) Pentachlorophenol	7.823	266	34000	5.332	ug/ml	97
91) Phenanthrene	7.988	178	208108	4.515	ug/ml	99

Quantitation Report (QT Reviewed)

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QLast Update : Tue Dec 17 21:00:33 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.034	178	208001	4.601	ug/ml	98
93)	Carbazole	8.221	167	197496	4.760	ug/ml	99
94)	Di-n-butylphthalate	8.656	149	233024	4.954	ug/ml#	98
95)	Fluoranthene	9.110	202	249147	4.494	ug/ml#	93
96)	Benzidine	9.293	184	142735	4.745	ug/ml#	95
97)	Pyrene	9.309	202	274614	4.636	ug/ml	99
99)	Butyl benzyl phthalate	10.064	149	104709	5.197	ug/ml#	82
107)	Benzo(a)anthracene	10.465	228	269241	4.541	ug/ml	98
108)	3,3'-Dichlorobenzidine	10.496	252	107593	4.871	ug/ml#	96
109)	Chrysene	10.496	228	260112	4.407	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	10.676	149	165444	5.206	ug/ml#	86
111)	Di-n-octylphthalate	11.304	149	274398	5.177	ug/ml#	72
112)	Benzo(b)fluoranthene	11.481	252	291199	4.688	ug/ml#	94
113)	Benzo(k)fluoranthene	11.506	252	279657	4.621	ug/ml#	94
114)	Benzo(a)pyrene	11.767	252	263566	4.755	ug/ml#	93
116)	Indeno(1,2,3-cd)pyrene	12.728	276	283532	4.479	ug/mL#	90
117)	Dibenzo(a,h)anthracene	12.762	278	278076	4.470	ug/ml#	89
118)	Benzo(ghi)perylene	12.930	276	278202	4.549	ug/ml#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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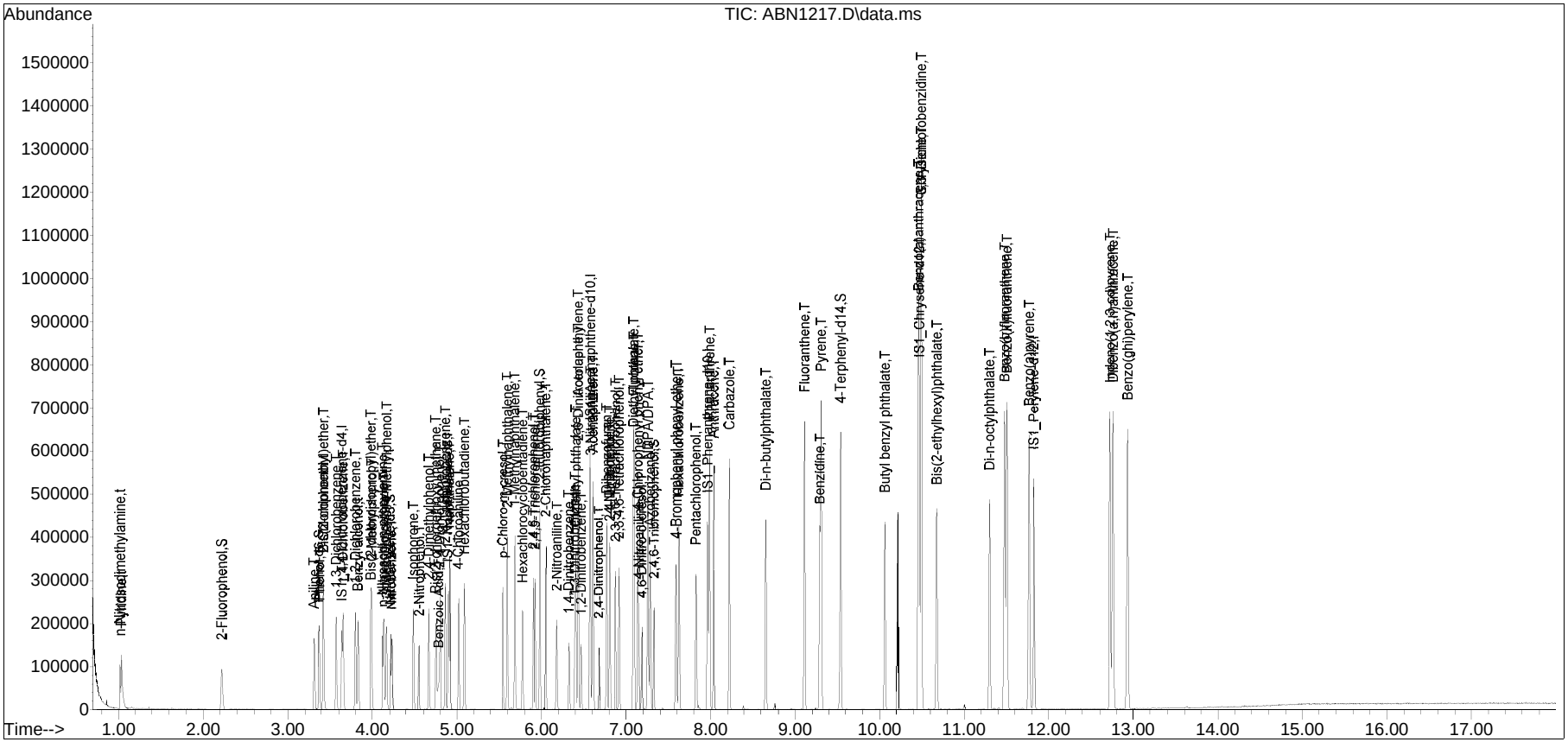
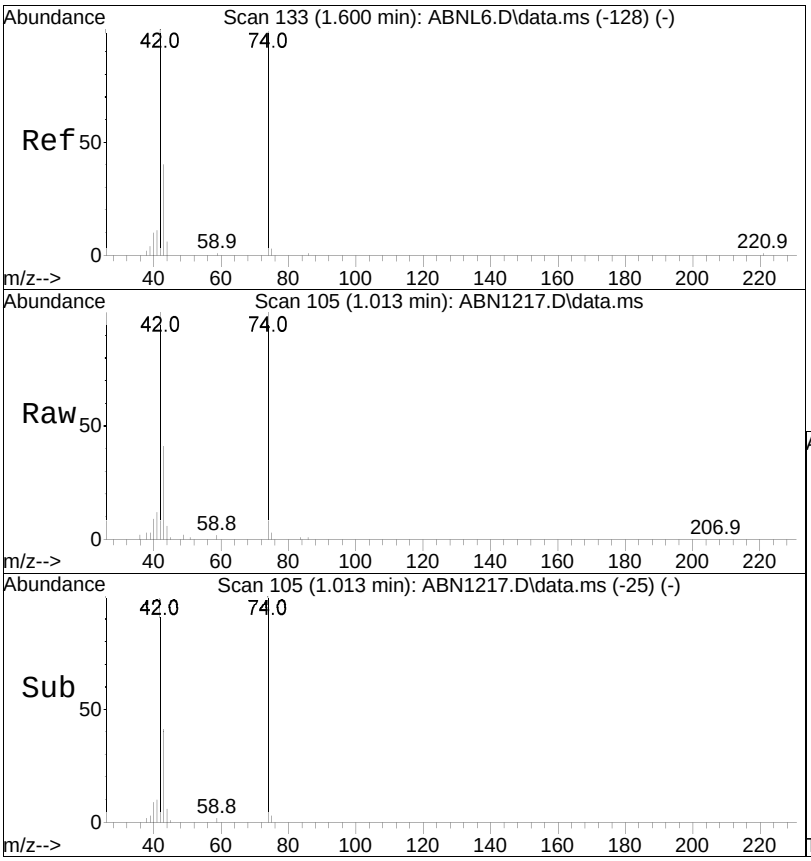
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

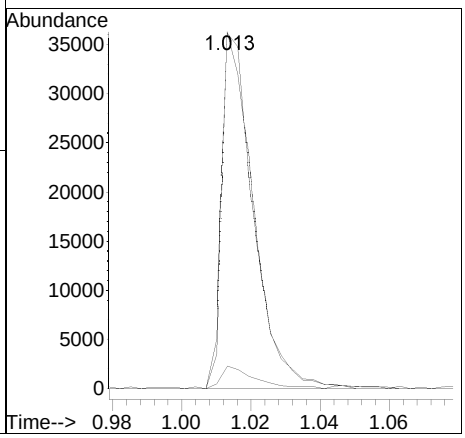


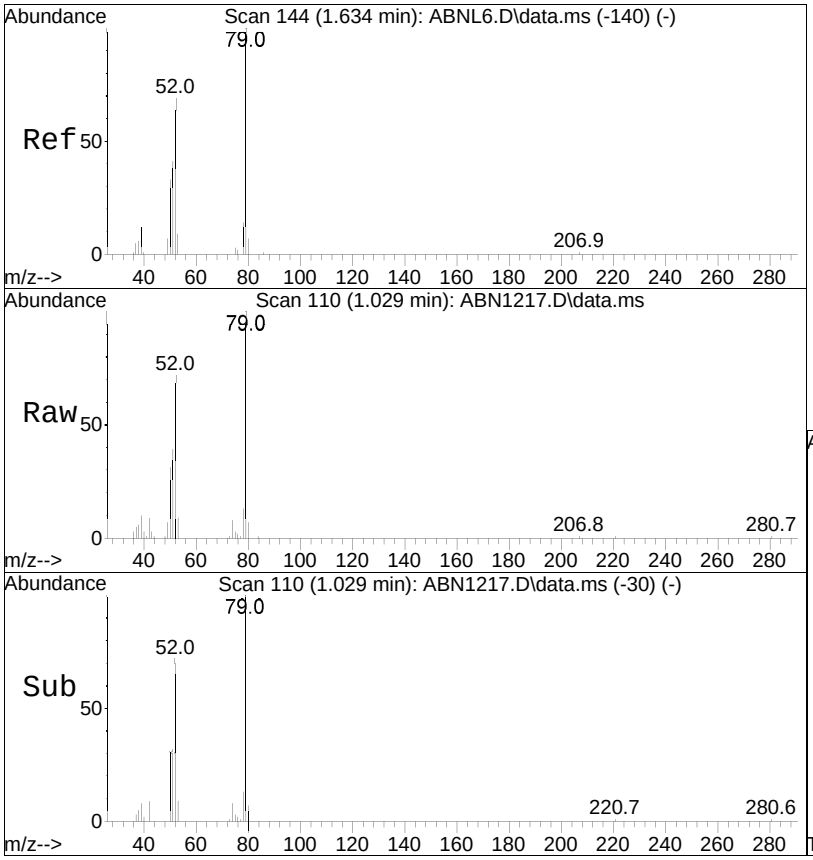


#2
n-Nitrosodimethylamine
Concen: 5.40 ug/ml
RT: 1.013 min Scan# 105
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 74 Resp: 22685

Ion	Ratio	Lower	Upper
74	100		
42	102.1	100.0	150.0
44	7.0	6.7	10.1

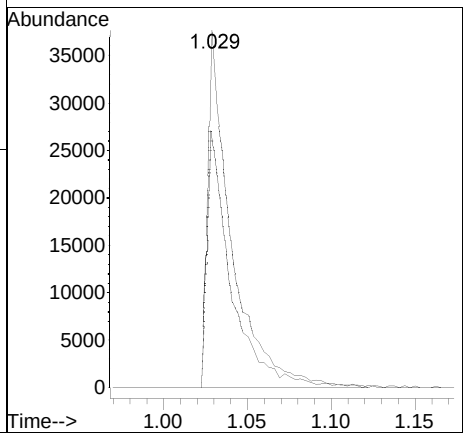


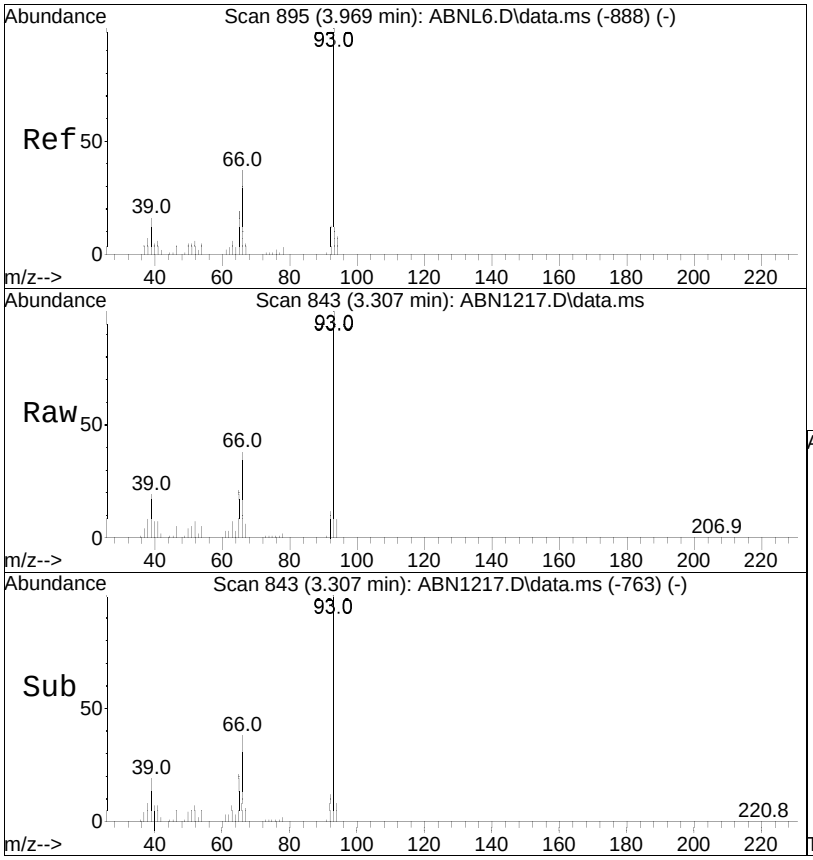


#3
Pyridine
Concen: 5.77 ug/ml
RT: 1.029 min Scan# 110
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 79 Resp: 36653

Ion	Ratio	Lower	Upper
79	100		
52	73.3	93.1	139.7#

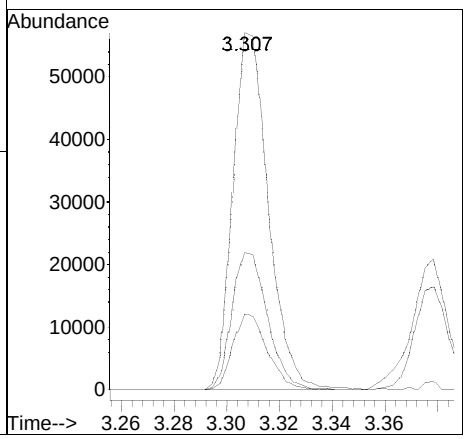


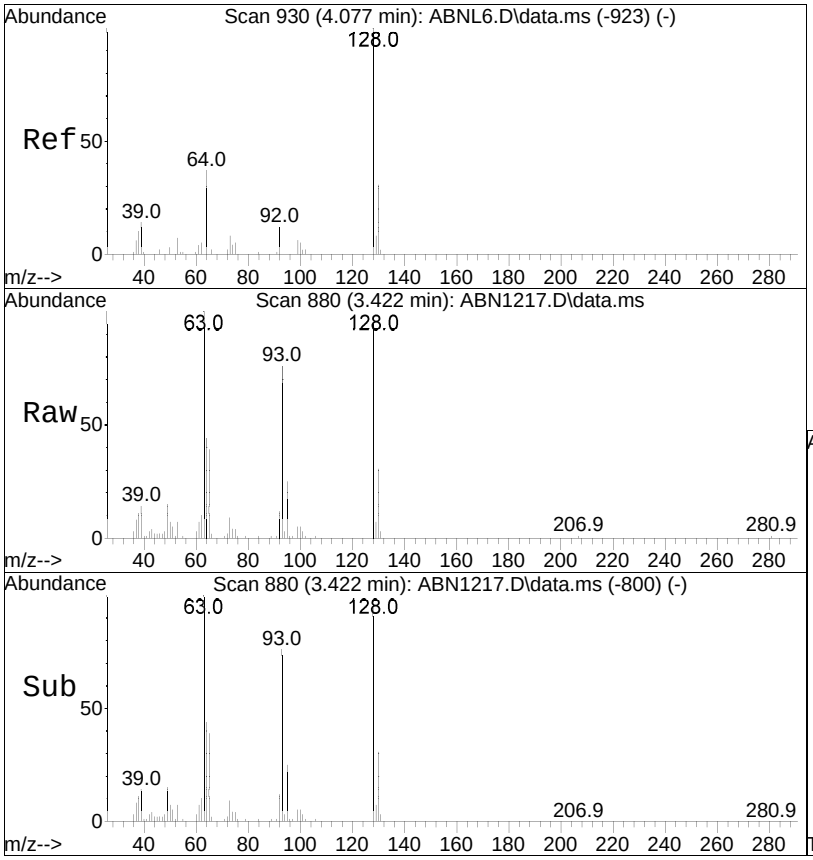


#5
Aniline
Concen: 5.11 ug/ml
RT: 3.307 min Scan# 843
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 93 Resp: 53333

Ion	Ratio	Lower	Upper
93	100		
66	38.6	32.6	49.0
65	20.7	17.6	26.4

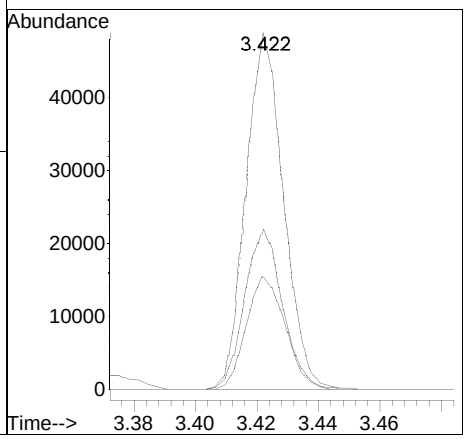


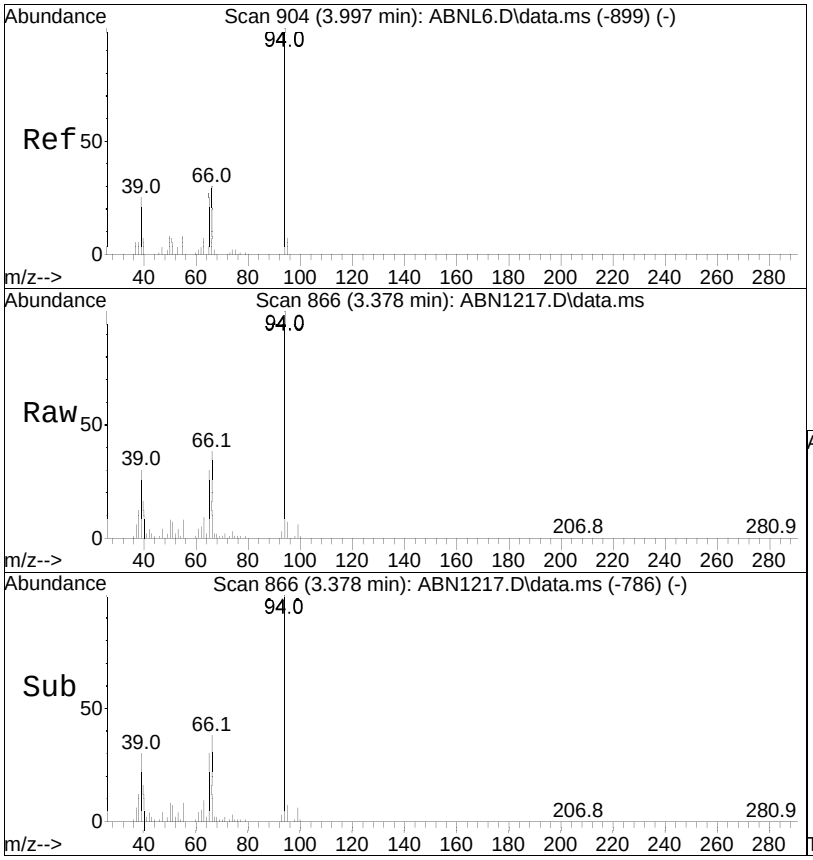


#6
2-Chlorophenol
Concen: 5.05 ug/ml
RT: 3.422 min Scan# 880
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:128 Resp: 41256

Ion	Ratio	Lower	Upper
128	100		
64	45.7	45.1	67.7
130	32.9	26.2	39.4

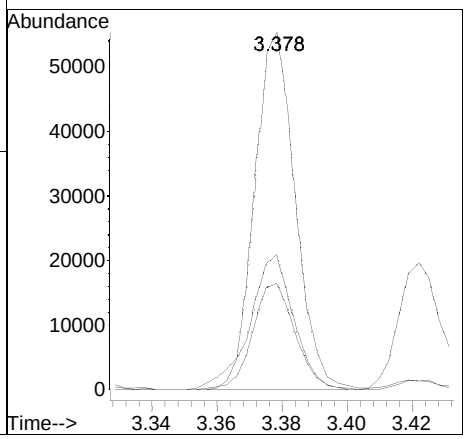


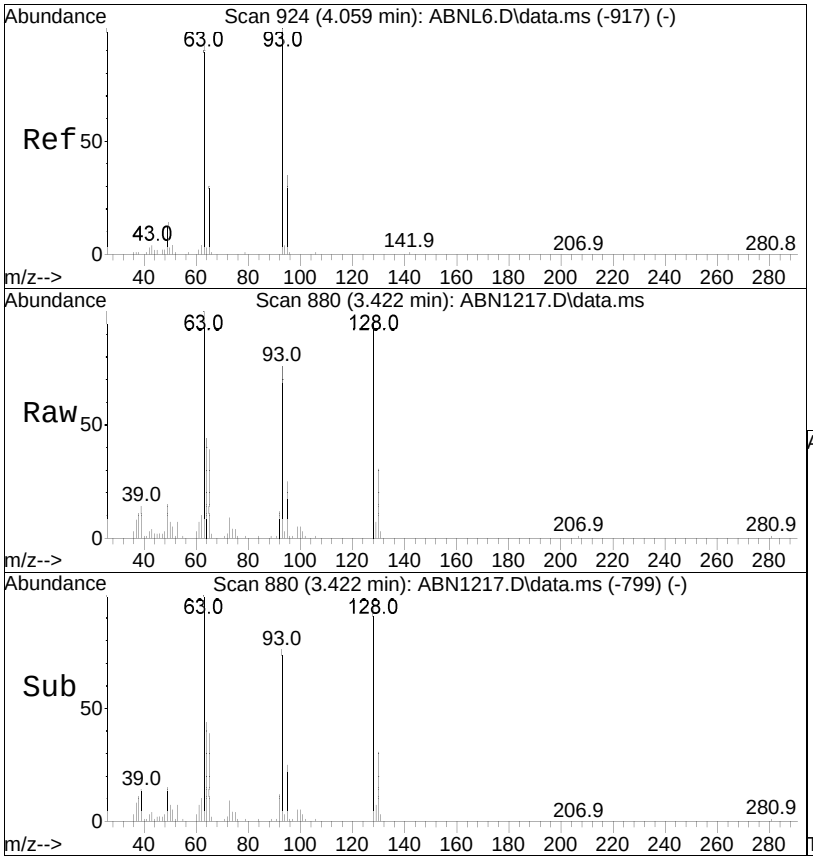


#8
Phenol
Concen: 5.04 ug/ml
RT: 3.378 min Scan# 866
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 94 Resp: 47703

Ion	Ratio	Lower	Upper
94	100		
65	31.2	26.0	39.0
66	41.2	33.8	50.8

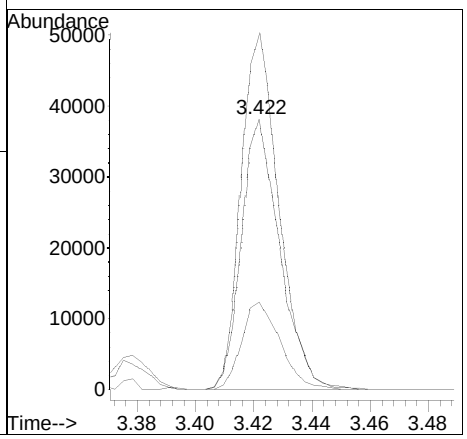


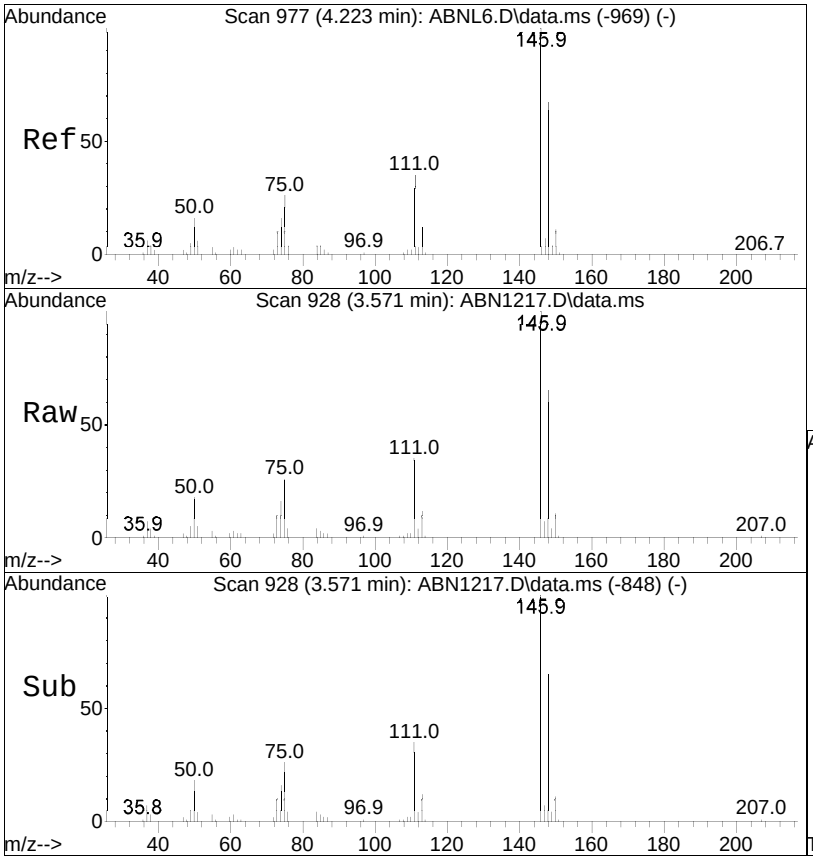


#9
Bis(2-chloroethyl)ether
Concen: 5.11 ug/ml
RT: 3.422 min Scan# 880
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 93 Resp: 34628

Ion	Ratio	Lower	Upper
93	100		
63	130.4	74.6	111.8#
95	32.8	25.9	38.9

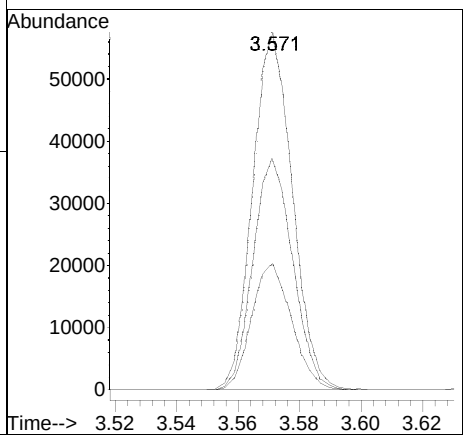


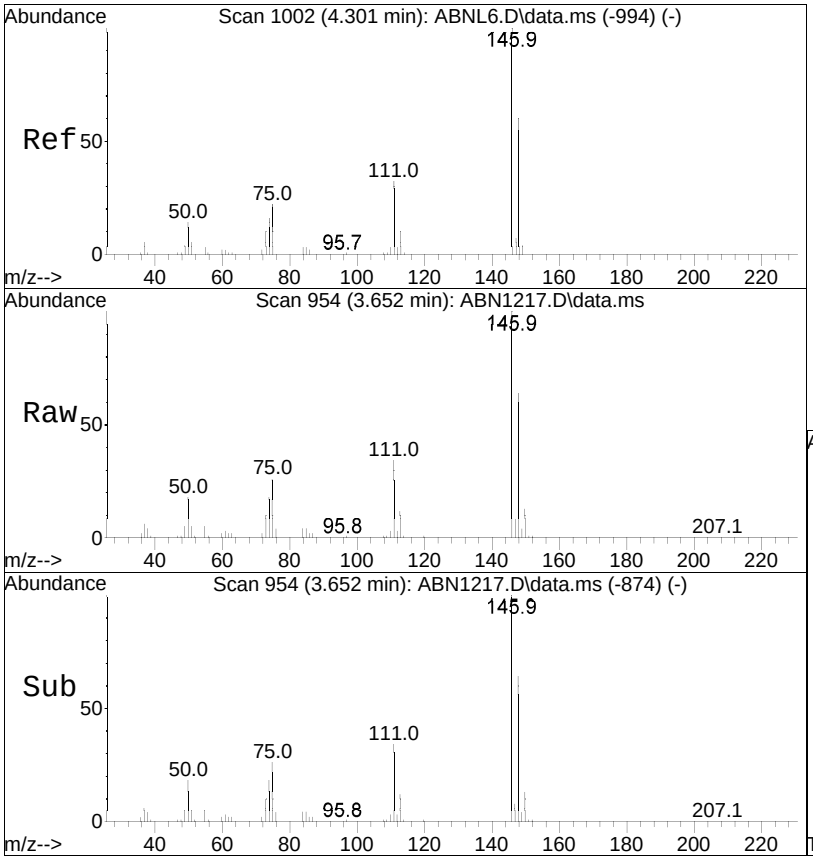


#10
1,3-Dichlorobenzene
Concen: 4.87 ug/ml
RT: 3.571 min Scan# 928
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:146 Resp: 51133

Ion	Ratio	Lower	Upper
146	100		
111	35.8	34.3	51.5
148	64.9	50.8	76.2

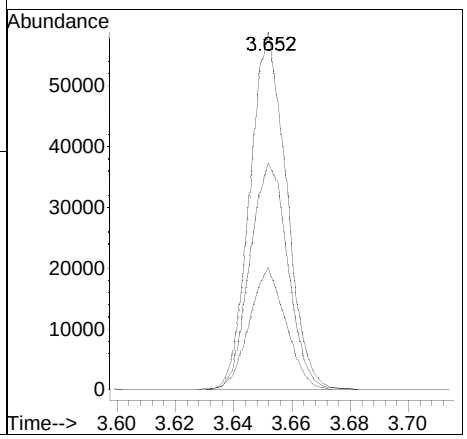


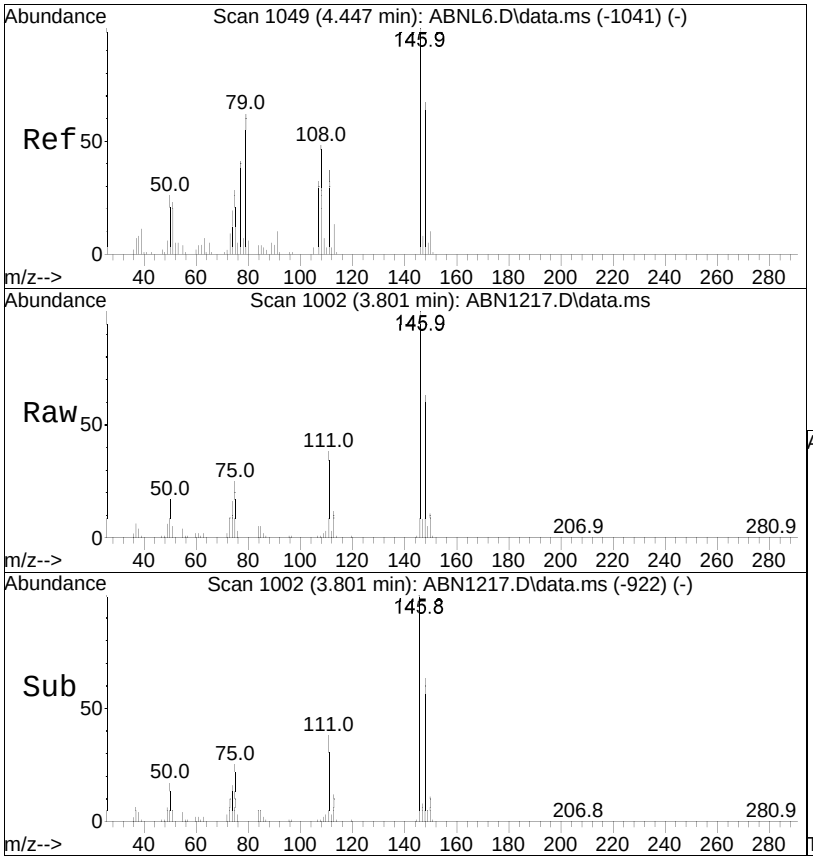


#11
1,4-Dichlorobenzene
Concen: 4.77 ug/ml
RT: 3.652 min Scan# 954
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:146 Resp: 51140

Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.7	76.1
111	34.5	33.4	50.0

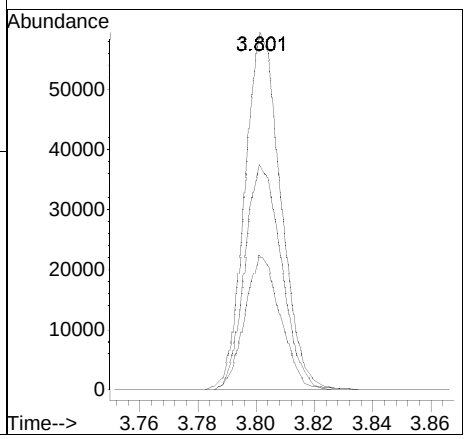


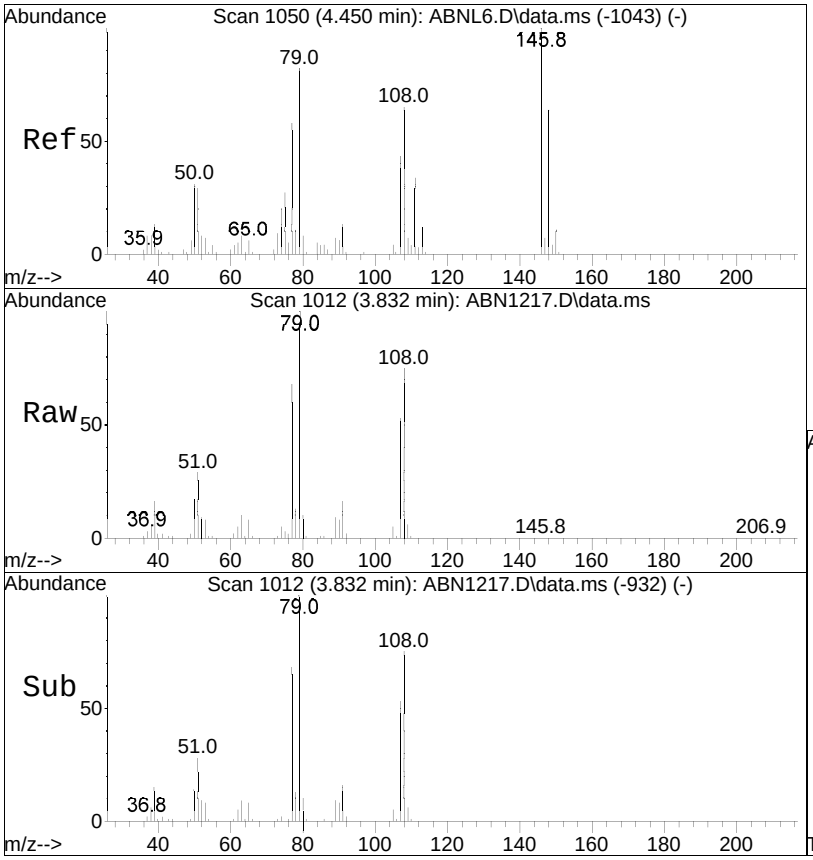


#12
1,2-Dichlorobenzene
Concen: 4.97 ug/ml
RT: 3.801 min Scan# 1002
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:146 Resp: 50825

Ion	Ratio	Lower	Upper
146	100		
111	37.3	34.6	52.0
148	64.2	50.2	75.4

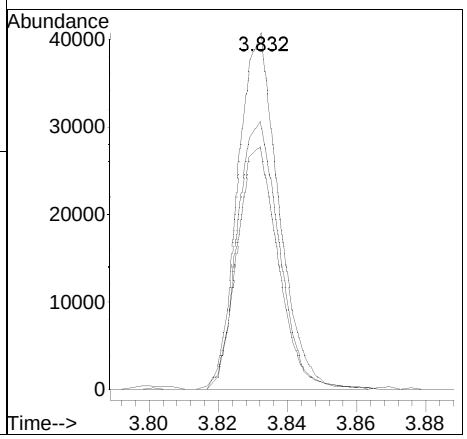


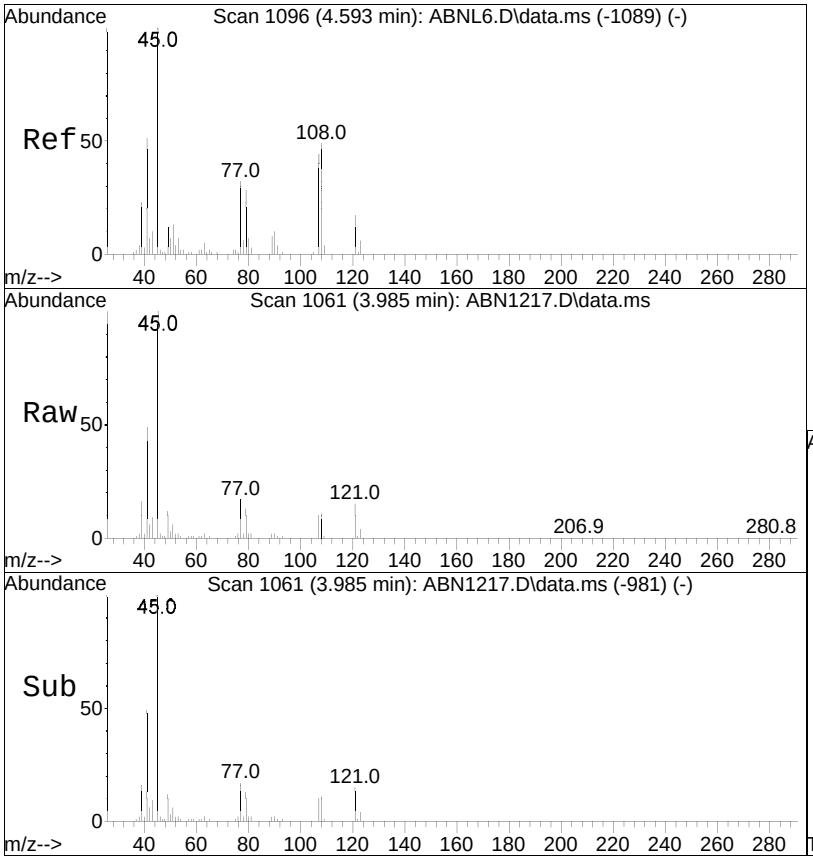


#13
Benzyl alcohol
Concen: 5.39 ug/ml
RT: 3.832 min Scan# 1012
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 79 Resp: 33408

Ion	Ratio	Lower	Upper
79	100		
77	68.9	54.9	82.3
108	76.5	63.1	94.7

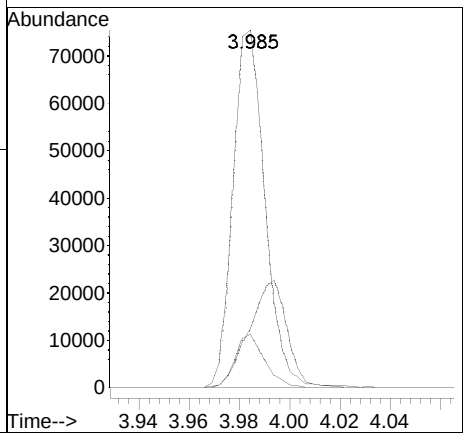


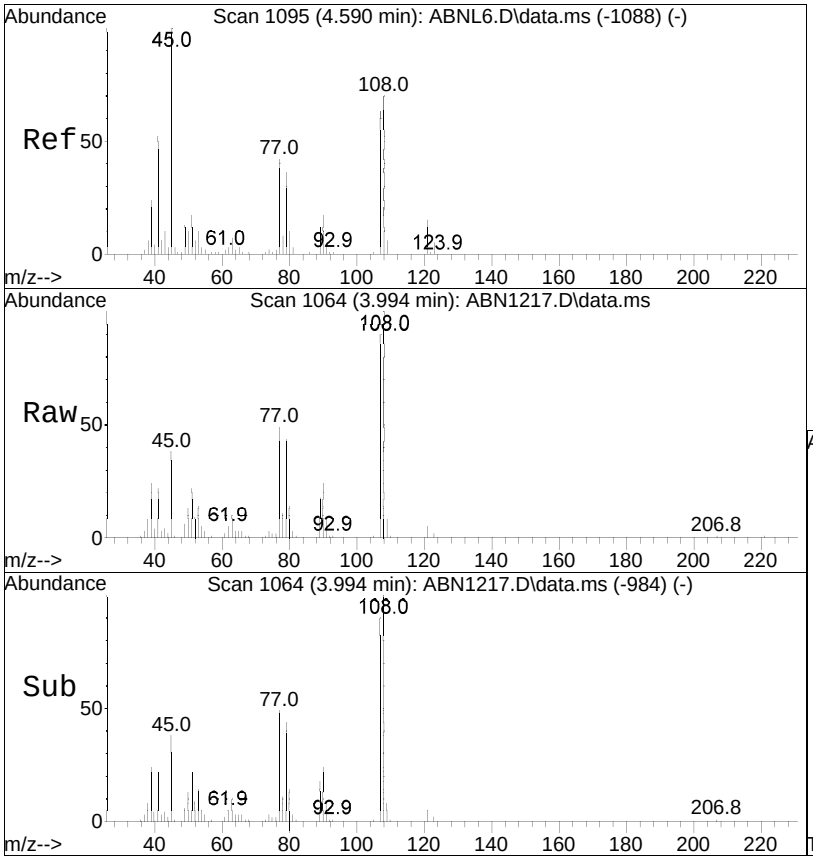


#14
Bis(2-chloroisopropyl)ether
Concen: 5.53 ug/ml
RT: 3.985 min Scan# 1061
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 45 Resp: 66051

Ion	Ratio	Lower	Upper
45	100		
121	13.8	9.8	14.6
77	35.5	6.1	9.1#

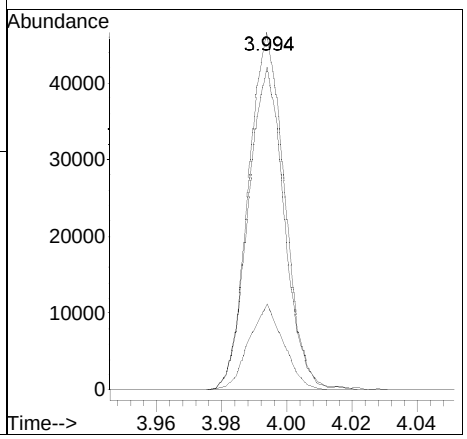


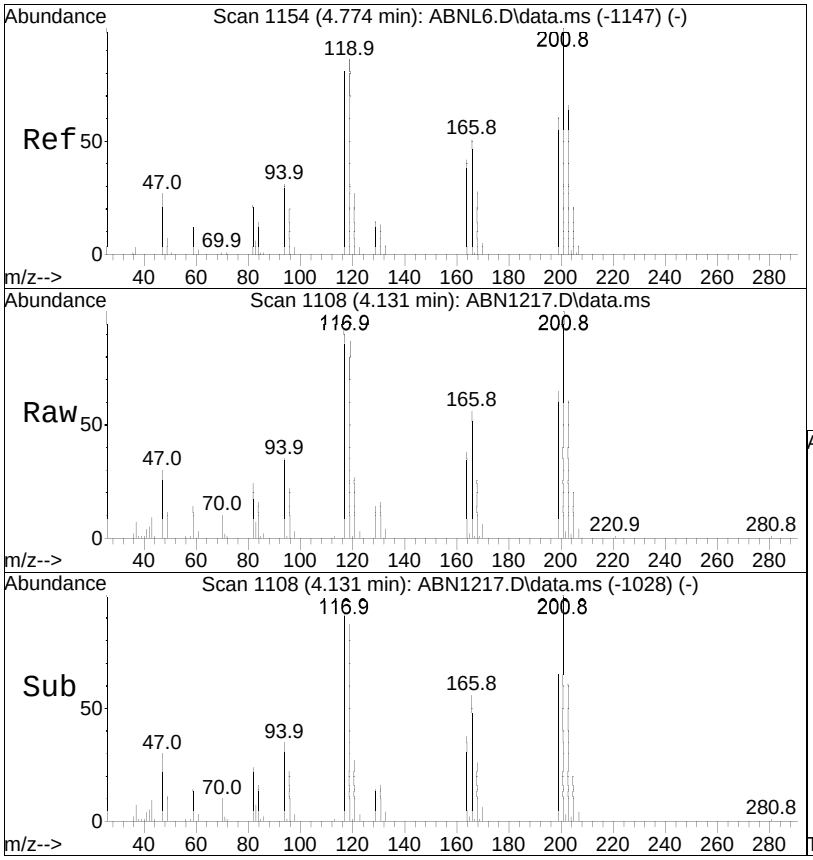


#15
2-Methylphenol
Concen: 5.01 ug/ml
RT: 3.994 min Scan# 1064
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:108 Resp: 36043

Ion	Ratio	Lower	Upper
108	100		
107	90.0	70.7	106.1
90	22.9	18.7	28.1

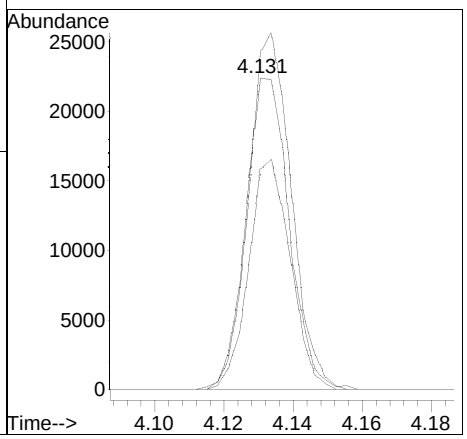


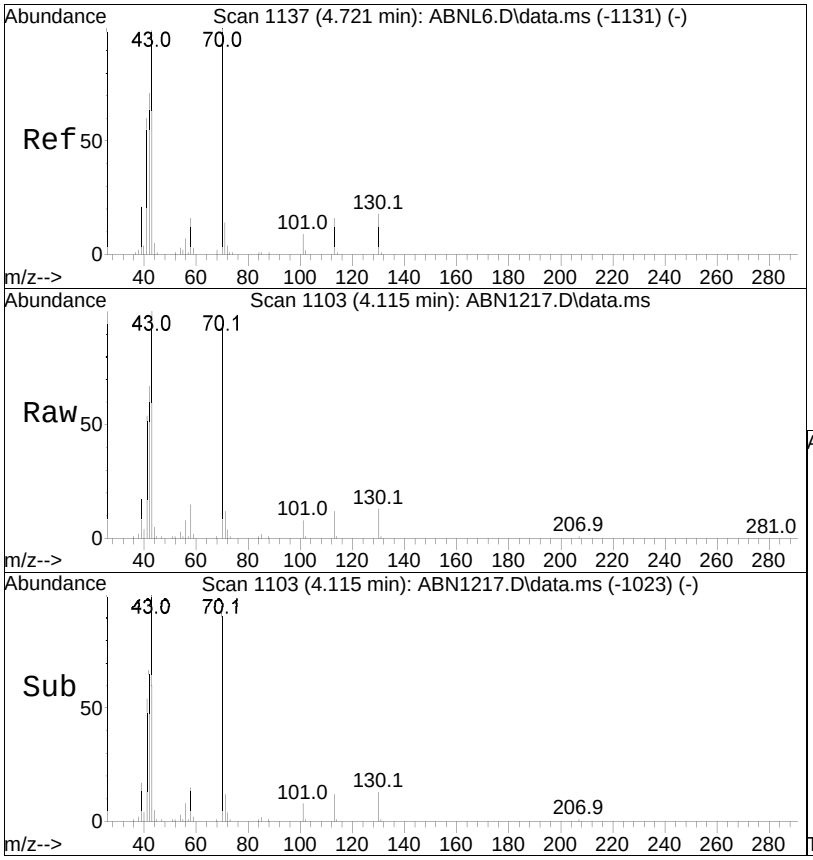


#16
Hexachloroethane
Concen: 4.96 ug/ml
RT: 4.131 min Scan# 1108
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:117 Resp: 19487

Ion	Ratio	Lower	Upper
117	100		
201	112.6	58.6	87.8#
199	71.1	36.9	55.3#

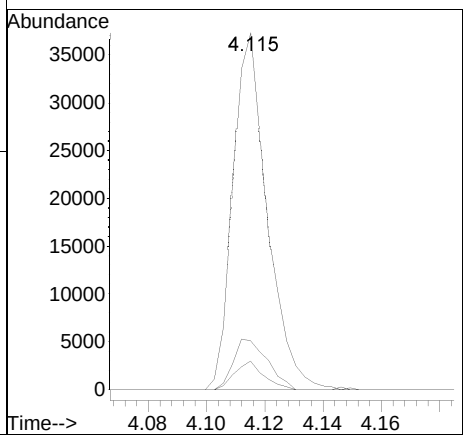


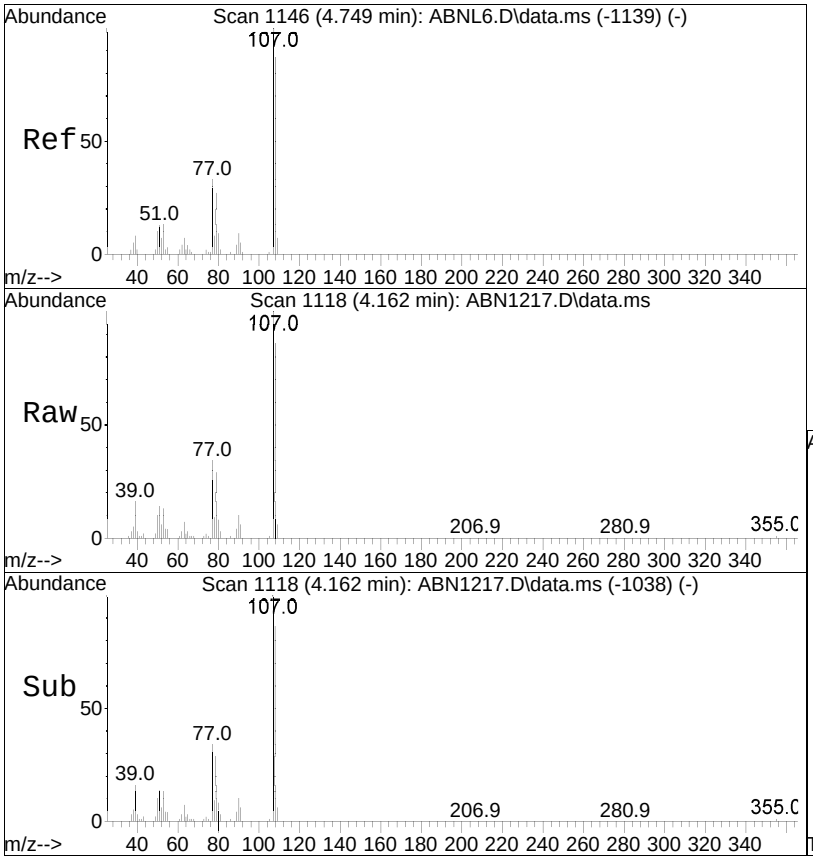


#17
n-Nitrosodi-n-propylamine
Concen: 5.29 ug/ml
RT: 4.115 min Scan# 1103
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 70 Resp: 30430

Ion	Ratio	Lower	Upper
70	100		
130	14.0	18.2	27.4#
101	6.8	7.8	11.8#

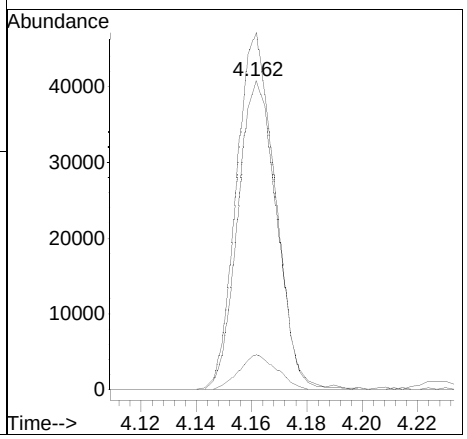


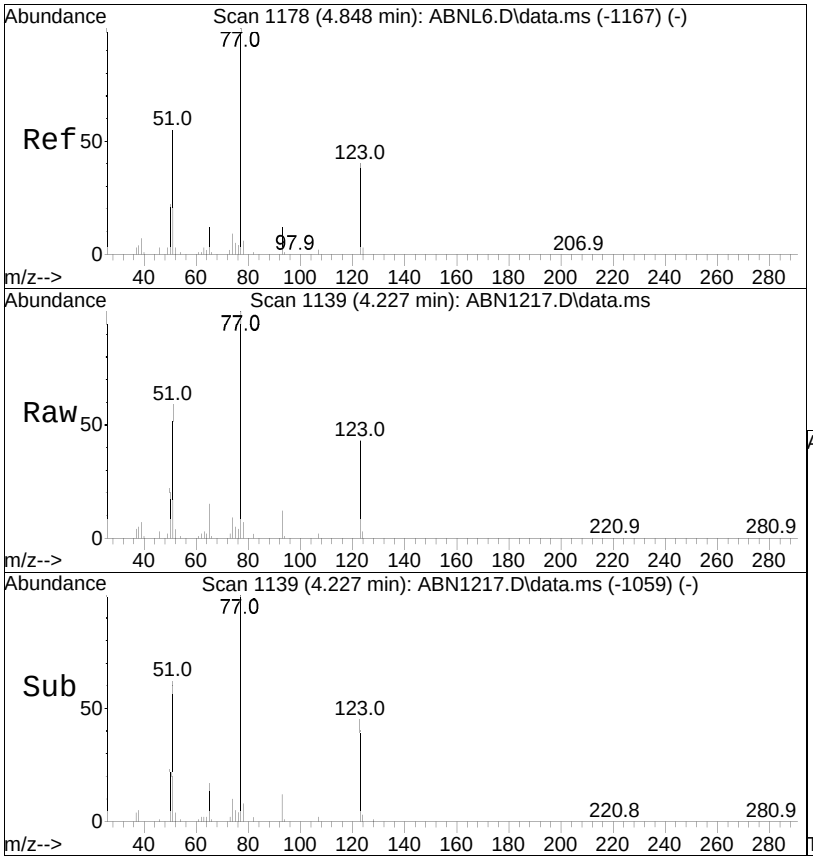


#18
3-Methylphenol/4-Methylphenol
Concen: 5.05 ug/ml
RT: 4.162 min Scan# 1118
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:108 Resp: 39798

Ion	Ratio	Lower	Upper
108	100		
107	114.7	88.6	132.8
90	10.9	8.8	13.2

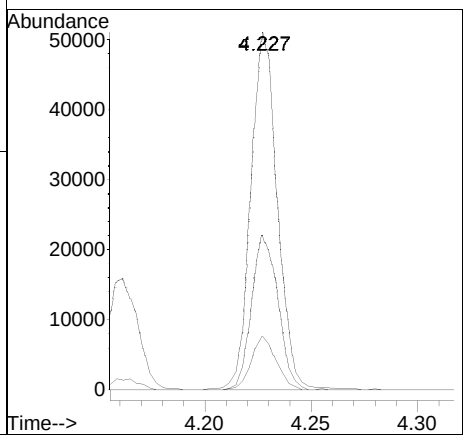


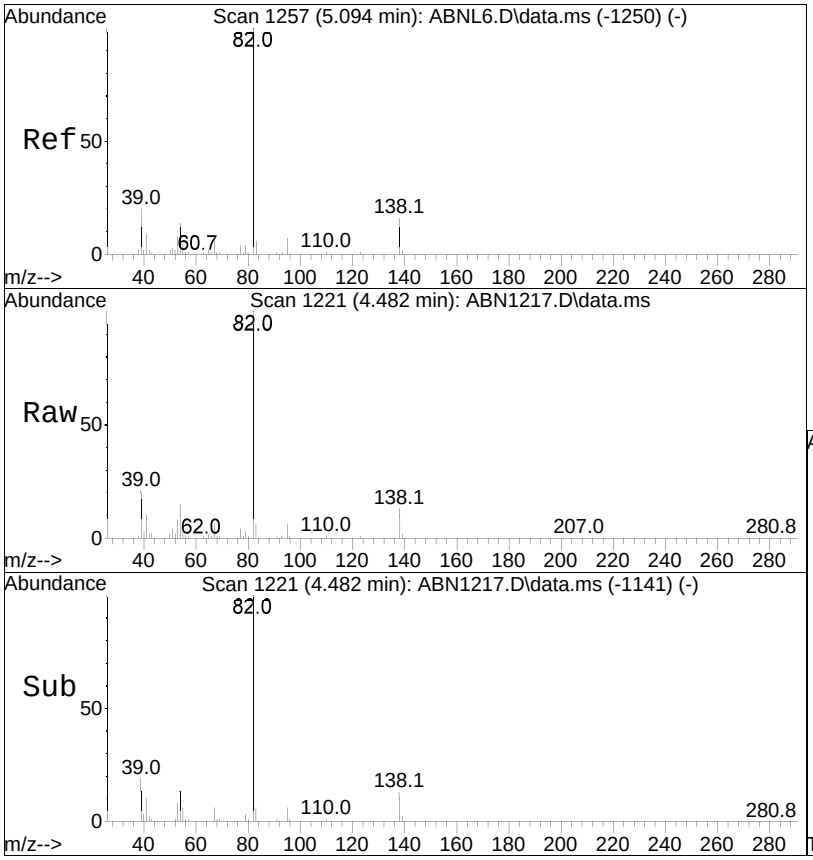


#20
Nitrobenzene
Concen: 5.41 ug/ml
RT: 4.227 min Scan# 1139
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 77 Resp: 44069

Ion	Ratio	Lower	Upper
77	100		
123	43.1	36.3	54.5
65	14.1	11.6	17.4

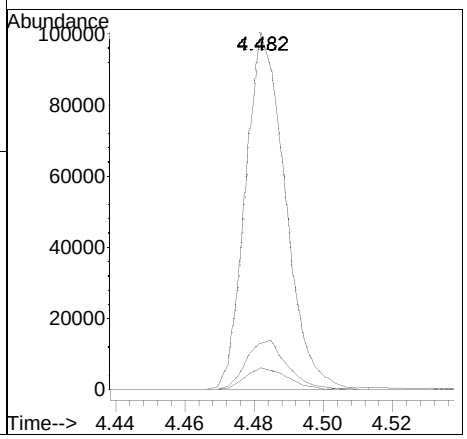


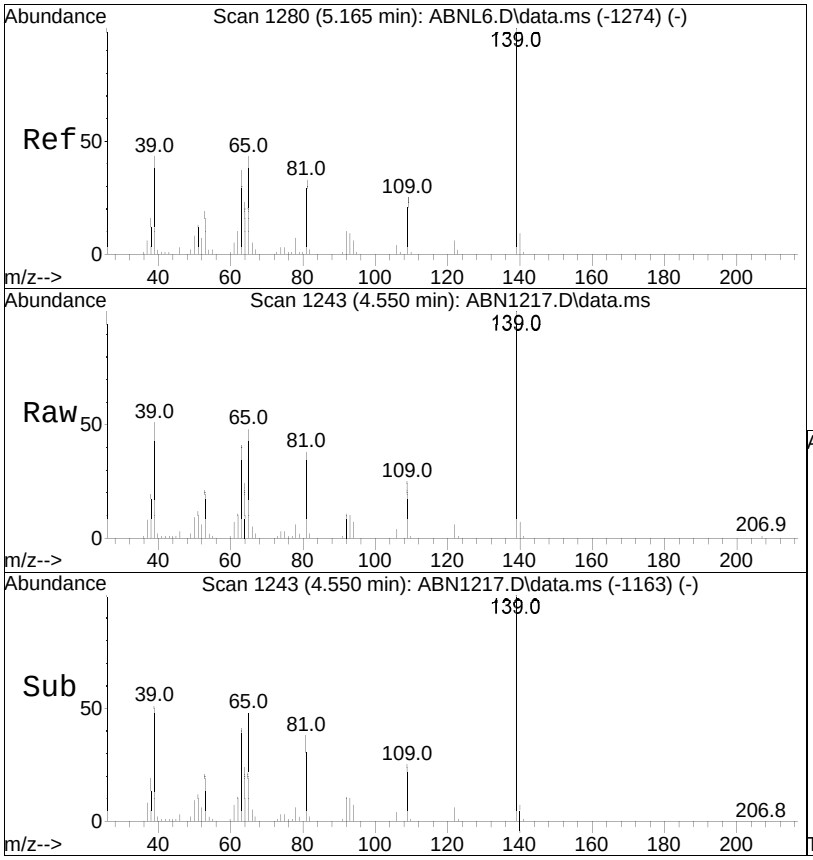


#21
Isophorone
Concen: 5.31 ug/ml
RT: 4.482 min Scan# 1221
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 82 Resp: 79524

Ion	Ratio	Lower	Upper
82	100		
138	14.2	14.7	22.1#
95	6.5	5.2	7.8

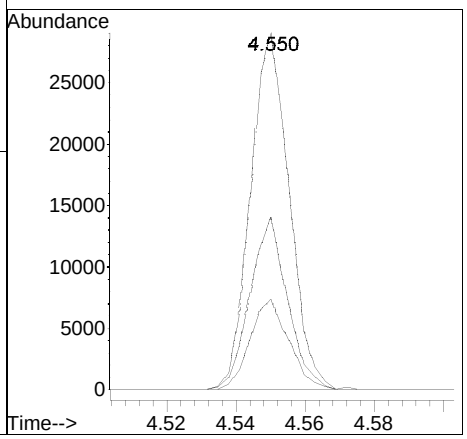


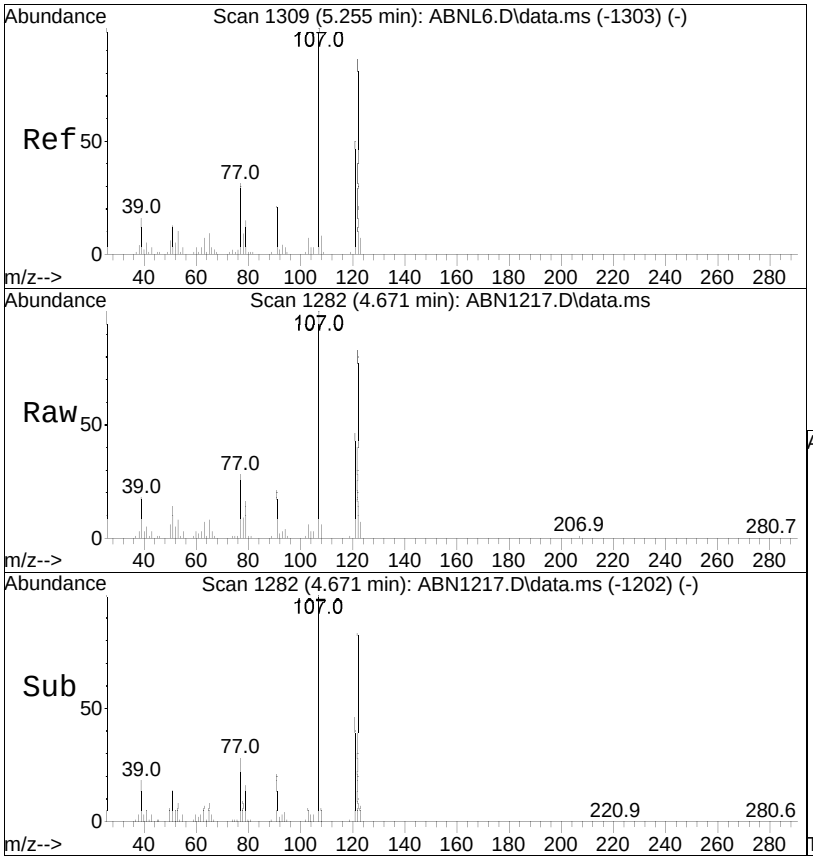


#22
2-Nitrophenol
Concen: 5.42 ug/ml
RT: 4.550 min Scan# 1243
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:139 Resp: 22356

Ion	Ratio	Lower	Upper
139	100		
109	25.4	19.4	29.0
65	46.8	46.1	69.1

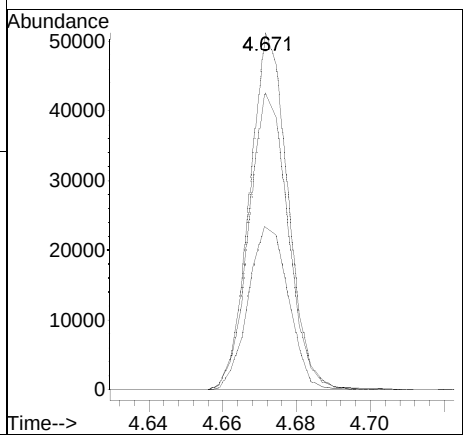


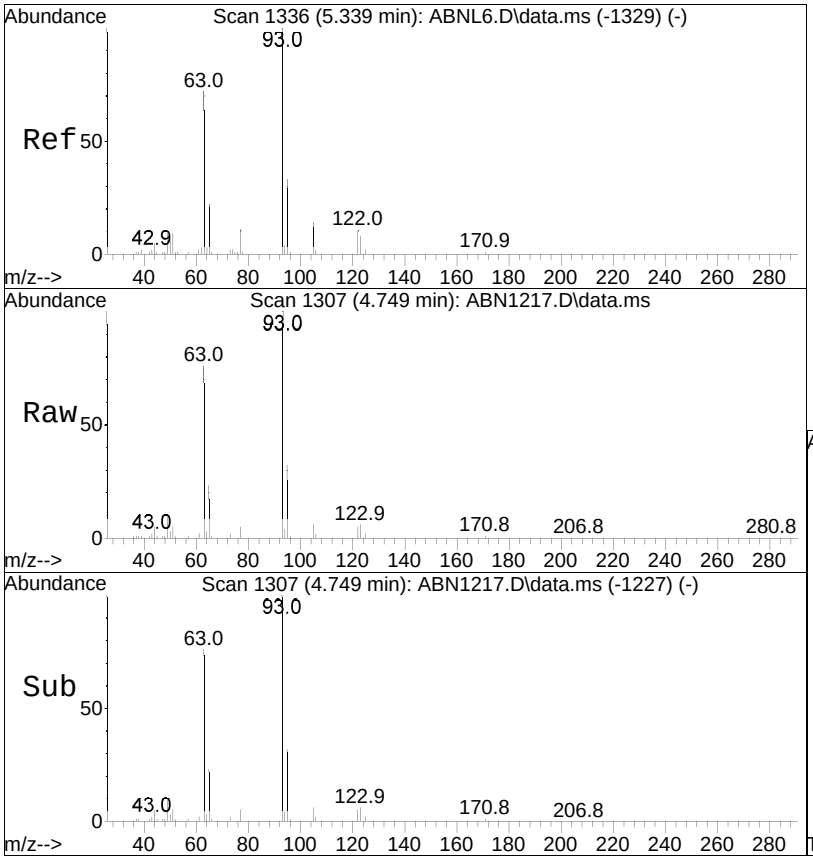


#23
2,4-Dimethylphenol
Concen: 5.00 ug/ml
RT: 4.671 min Scan# 1282
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:107 Resp: 36683

Ion	Ratio	Lower	Upper
107	100		
121	48.7	40.0	60.0
122	85.8	70.2	105.4

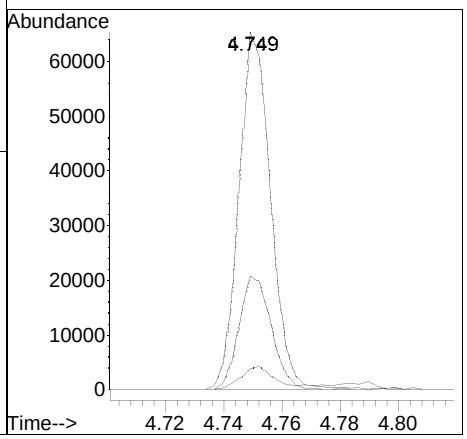


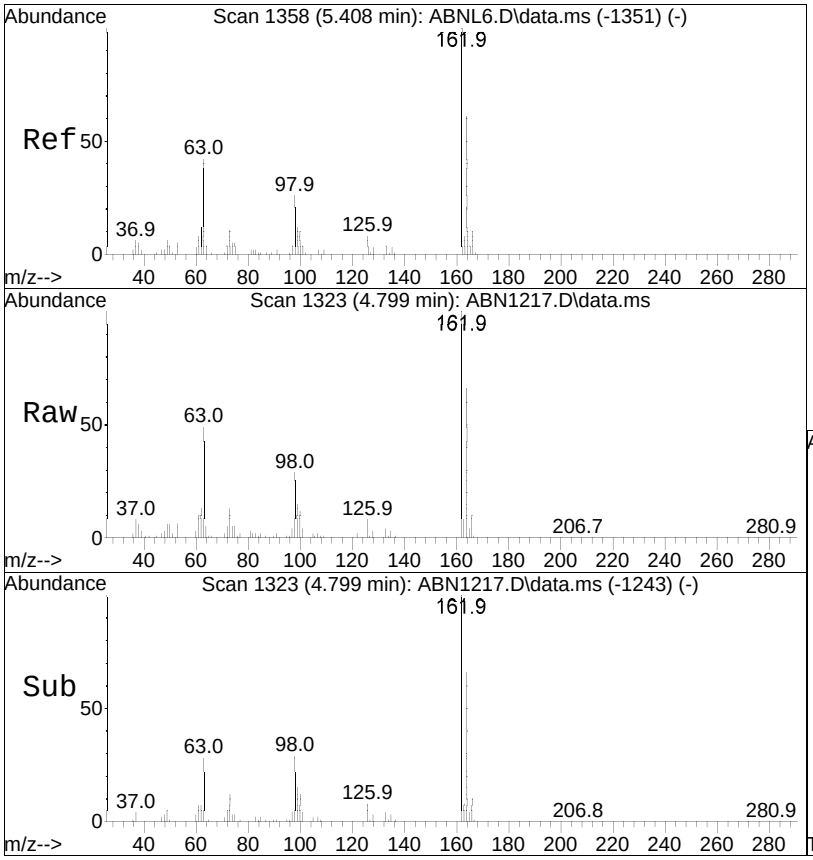


#24
Bis(2-chloroethoxy)methane
Concen: 5.25 ug/ml
RT: 4.749 min Scan# 1307
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 93 Resp: 48953

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	7.3	10.1	15.1#

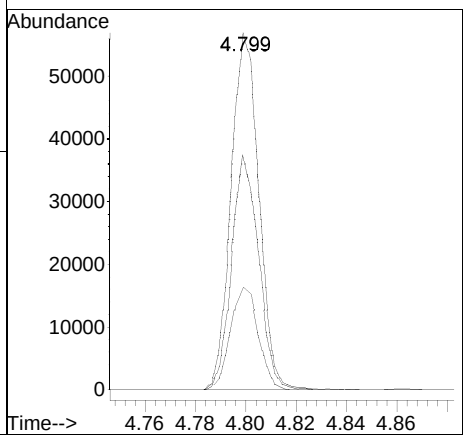


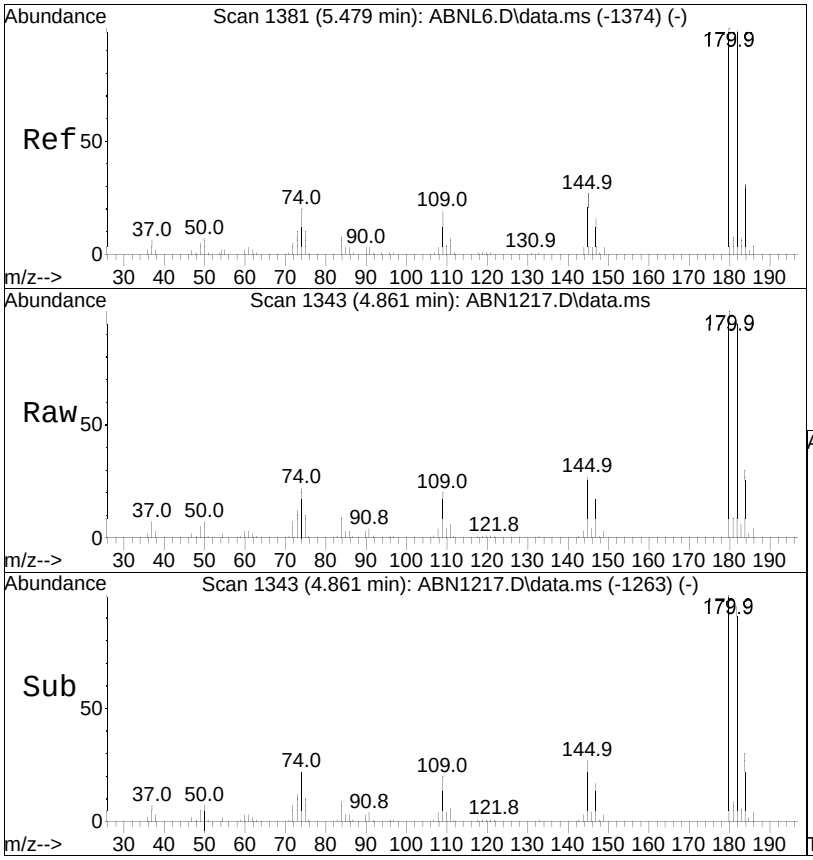


#25
2,4-Dichlorophenol
Concen: 5.10 ug/ml
RT: 4.799 min Scan# 1323
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:162 Resp: 43677

Ion	Ratio	Lower	Upper
162	100		
164	64.0	51.0	76.4
98	28.9	32.2	48.2#

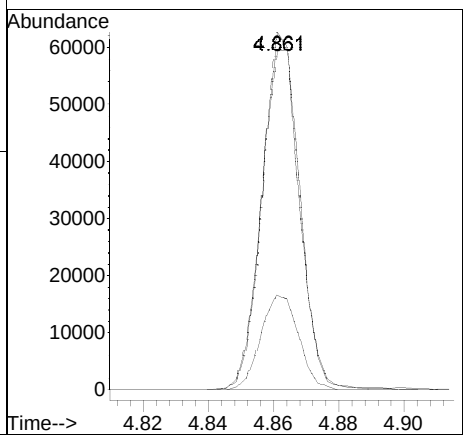


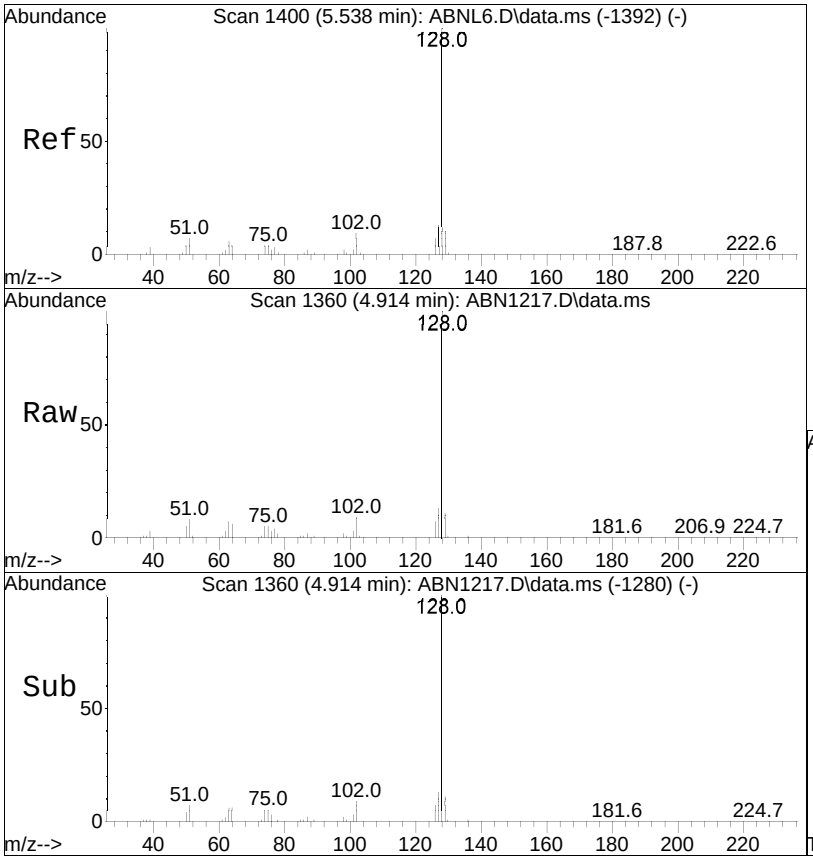


#26
1,2,4-Trichlorobenzene
Concen: 4.72 ug/ml
RT: 4.861 min Scan# 1343
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:180 Resp: 48963

Ion	Ratio	Lower	Upper
180	100		
182	99.7	76.0	114.0
145	27.3	25.7	38.5

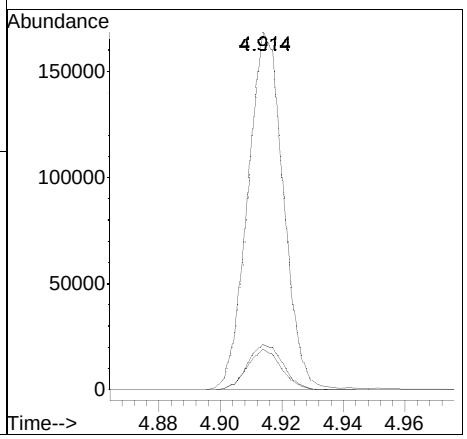


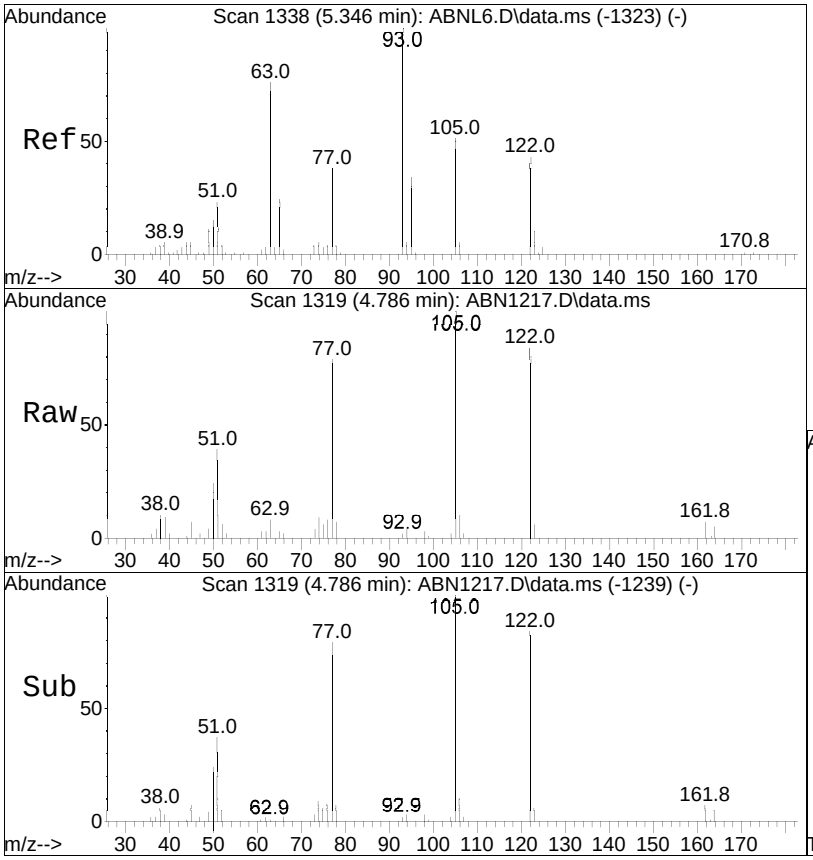


#38
Naphthalene
Concen: 4.60 ug/ml
RT: 4.914 min Scan# 1360
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:128 Resp: 134346

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.3	15.5

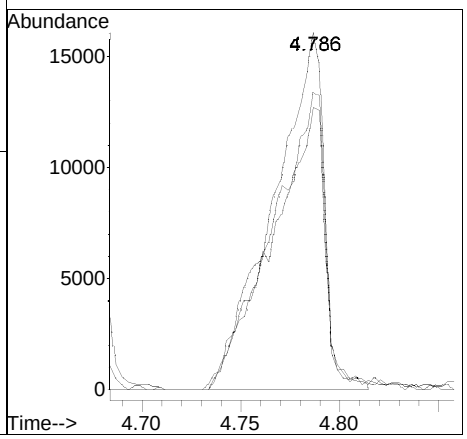


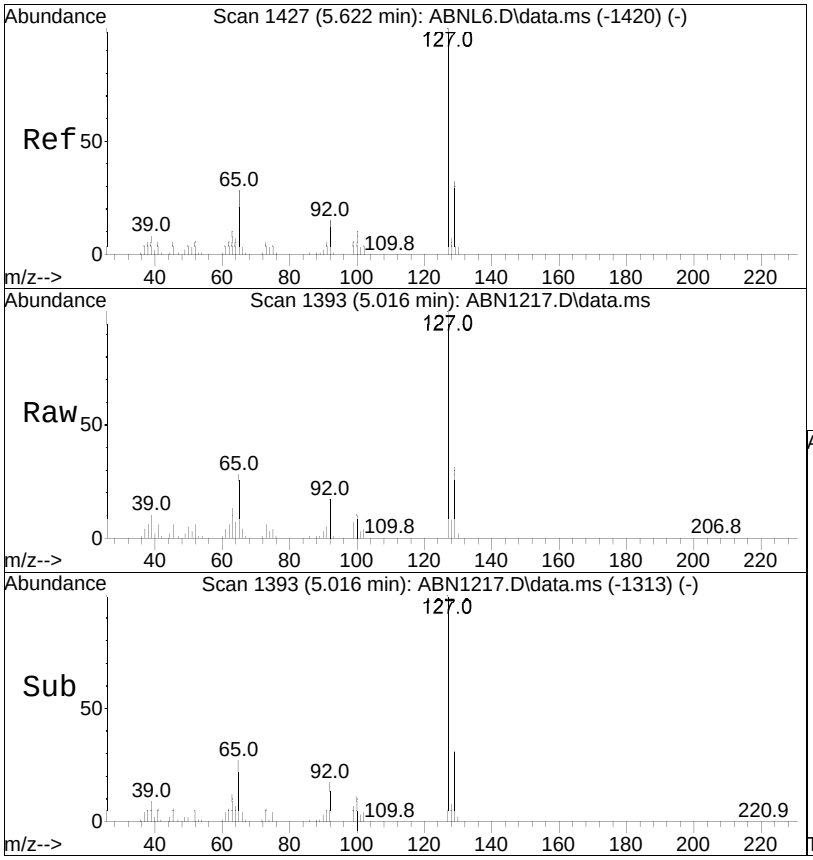


#39
Benzoic Acid
Concen: 4.73 ug/ml
RT: 4.786 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:105 Resp: 28609

Ion	Ratio	Lower	Upper
105	100		
122	86.9	59.9	89.9
77	82.3	60.1	90.1

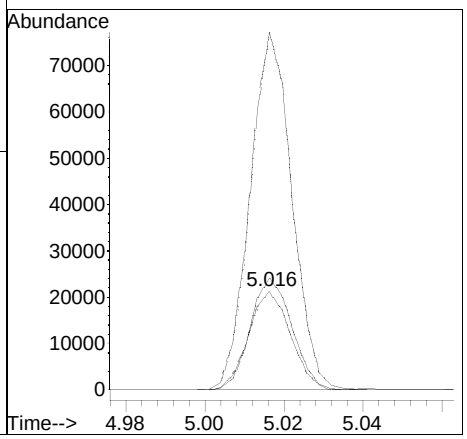


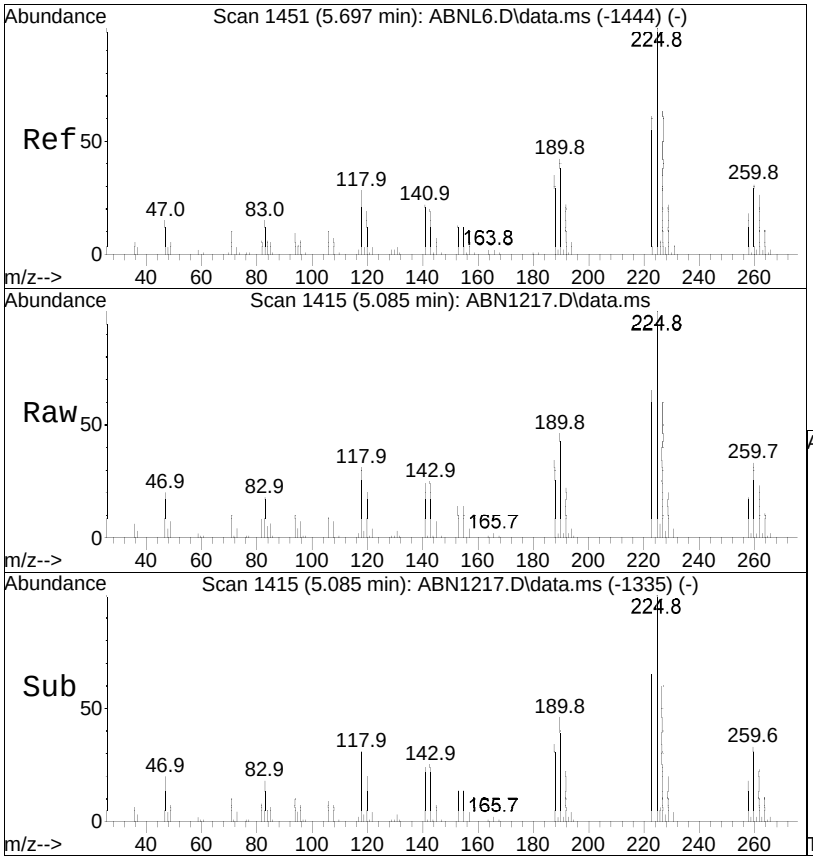


#40
4-Chloroaniline
Concen: 4.89 ug/ml
RT: 5.016 min Scan# 1393
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 65 Resp: 15702

Ion	Ratio	Lower	Upper
65	100		
127	360.0	237.6	356.4#
129	112.8	76.3	114.5

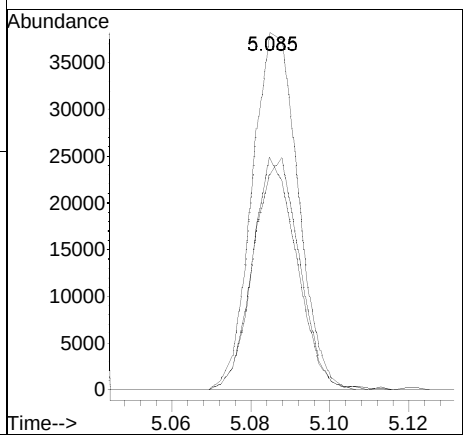


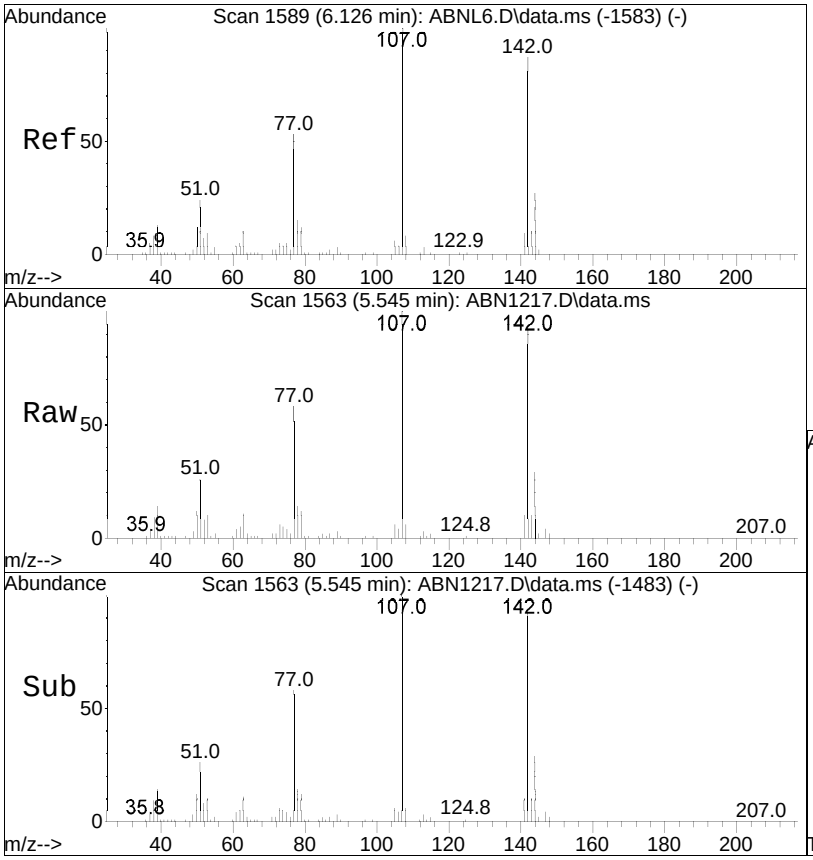


#41
Hexachlorobutadiene
Concen: 4.50 ug/ml
RT: 5.085 min Scan# 1415
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:225 Resp: 30895

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	64.8	52.2	78.2

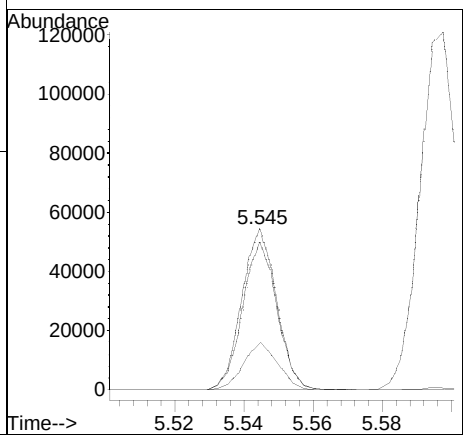


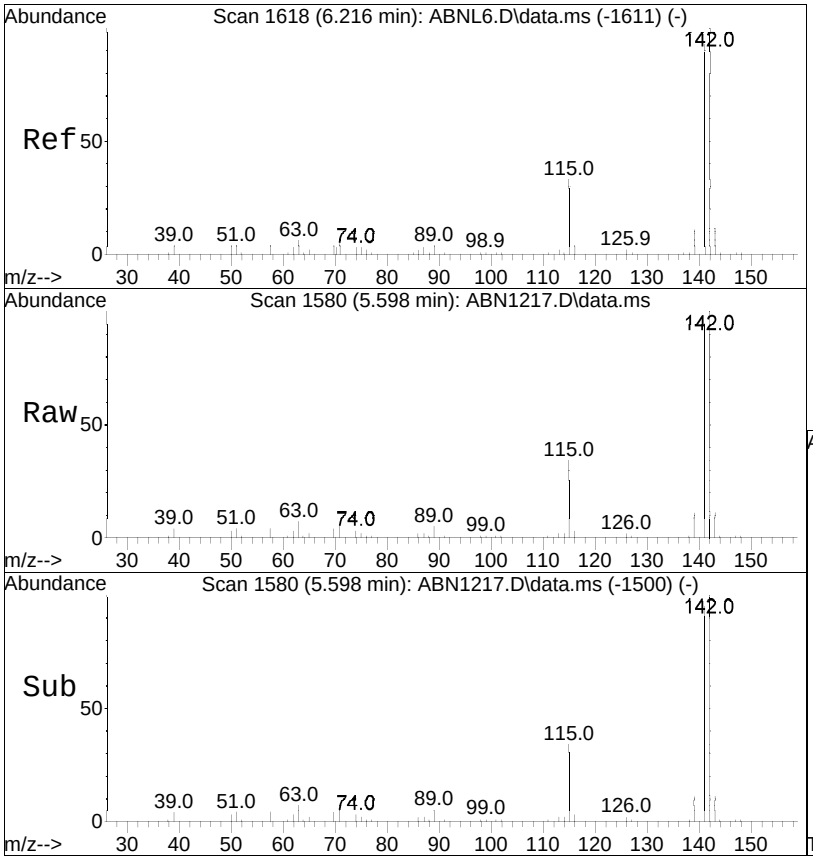


#42
p-Chloro-m-cresol
Concen: 4.95 ug/ml
RT: 5.545 min Scan# 1563
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:107 Resp: 38089

Ion	Ratio	Lower	Upper
107	100		
144	28.6	20.9	31.3
142	90.5	66.1	99.1

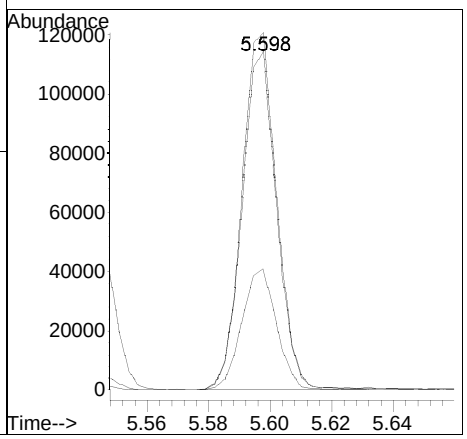


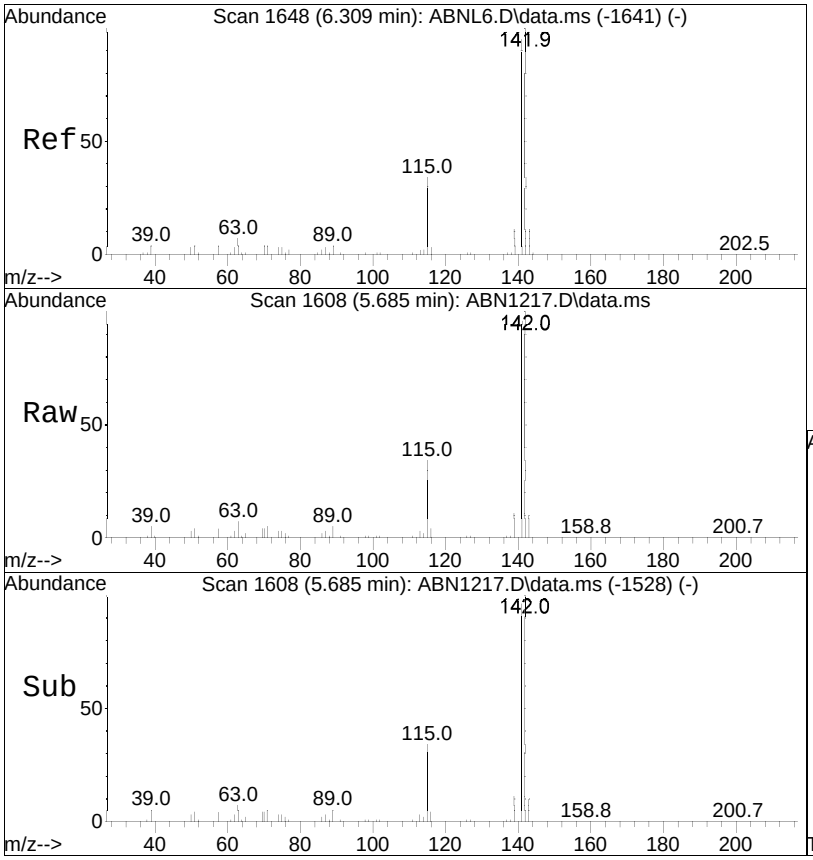


#43
2-Methylnaphthalene
Concen: 4.68 ug/ml
RT: 5.598 min Scan# 1580
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:142 Resp: 94721

Ion	Ratio	Lower	Upper
142	100		
141	93.6	69.6	104.4
115	33.8	26.6	40.0

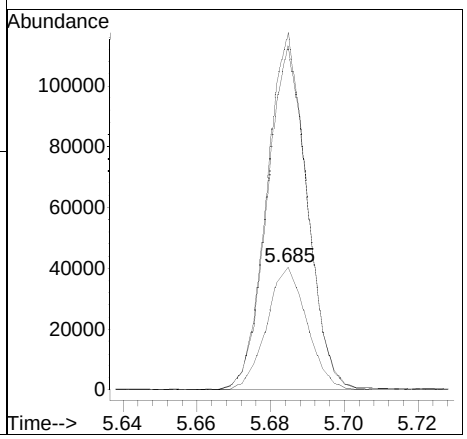


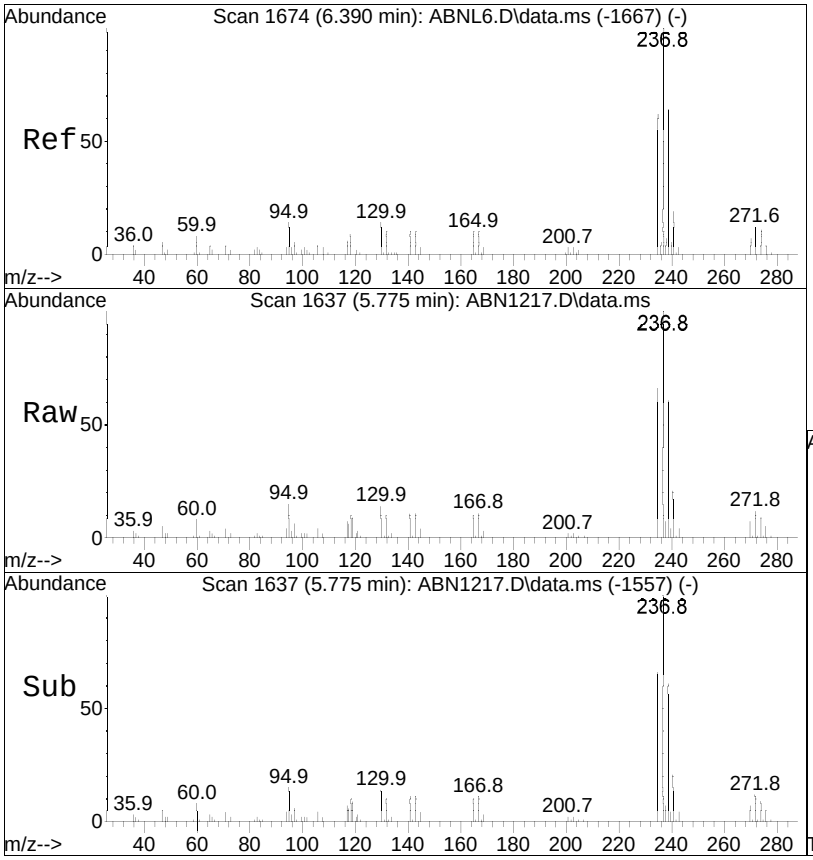


#44
1-Methylnaphthalene
Concen: 4.79 ug/ml
RT: 5.685 min Scan# 1608
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:115 Resp: 30785

Ion	Ratio	Lower	Upper
115	100		
141	279.3	207.8	311.6
142	287.6	226.8	340.2

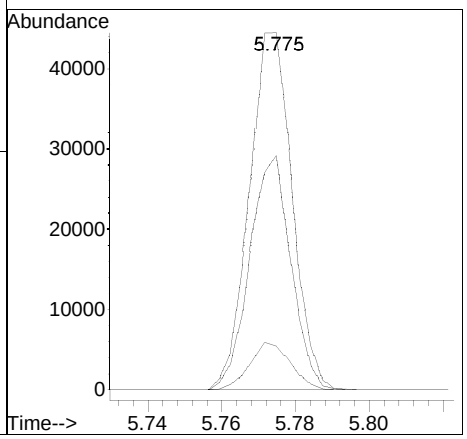


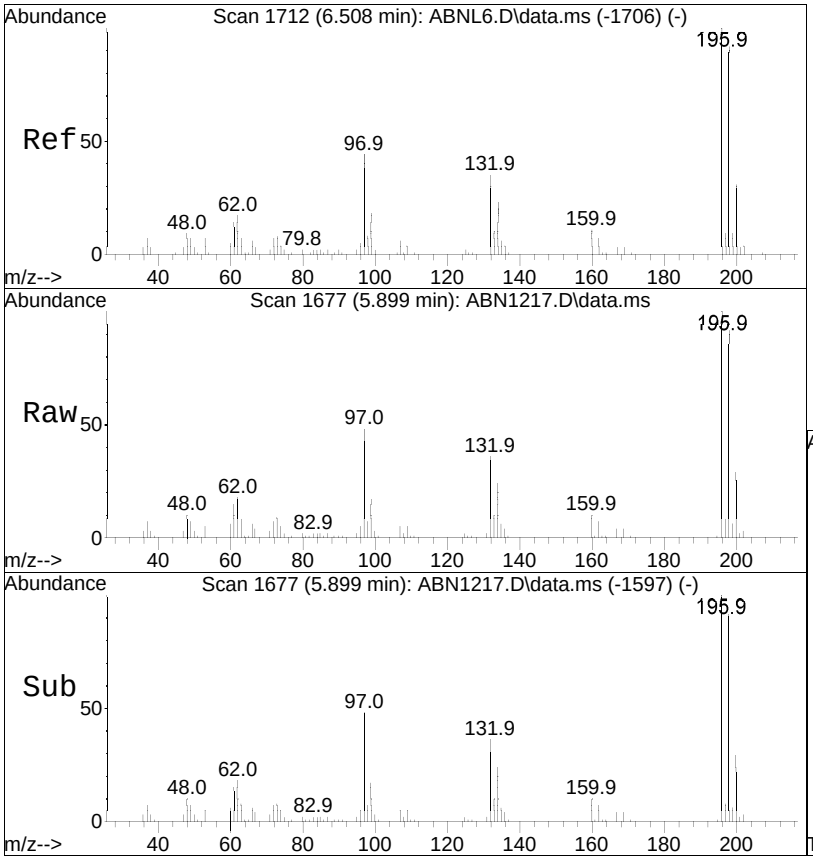


#45
Hexachlorocyclopentadiene
Concen: 4.95 ug/ml
RT: 5.775 min Scan# 1637
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:237 Resp: 35777

Ion	Ratio	Lower	Upper
237	100		
235	63.0	49.7	74.5
272	12.8	9.8	14.6

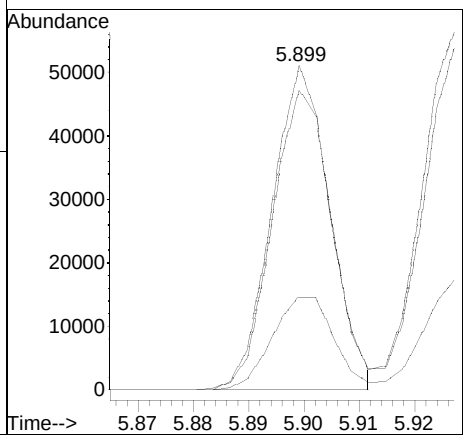


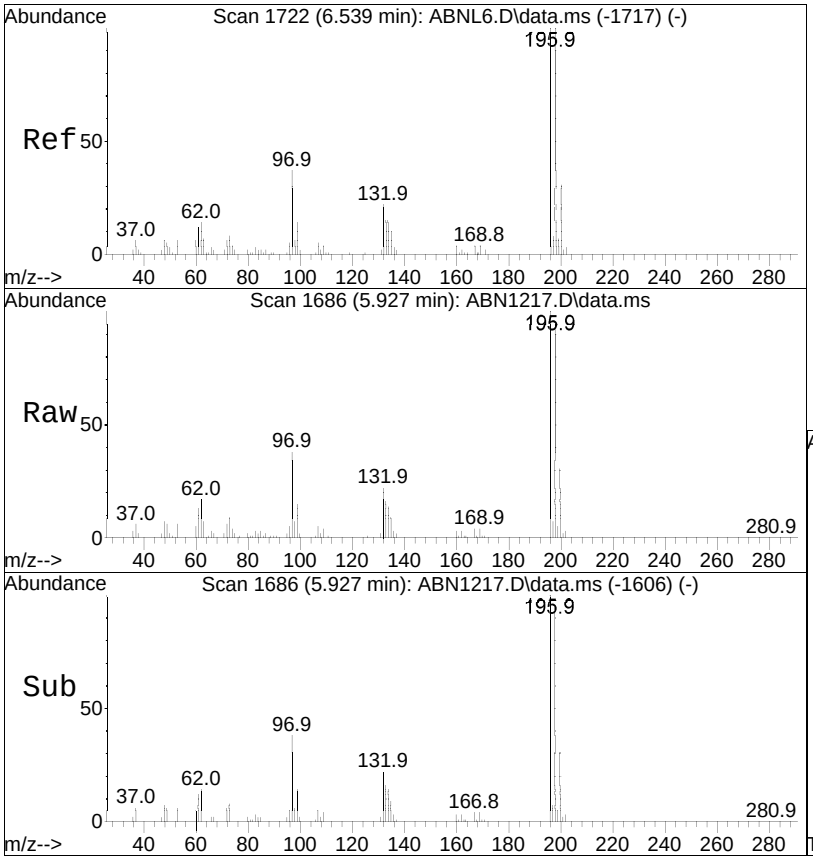


#46
2,4,6-Trichlorophenol
Concen: 4.87 ug/ml
RT: 5.899 min Scan# 1677
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:196 Resp: 37060

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.5	116.3
200	30.6	23.8	35.6

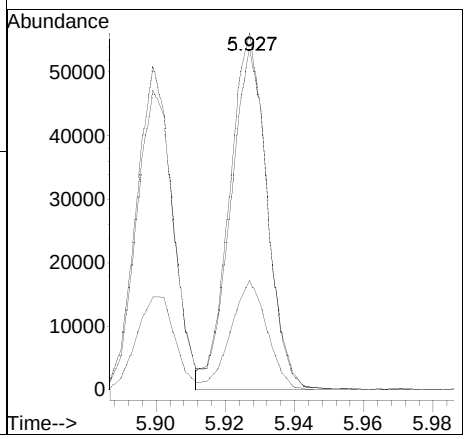


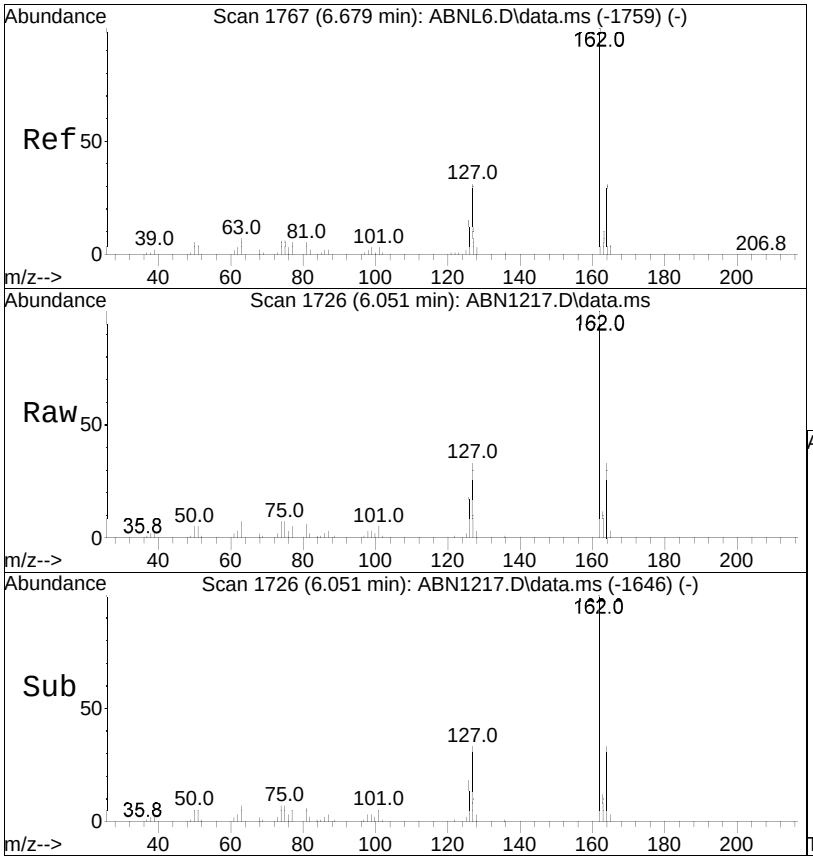


#47
2,4,5-Trichlorophenol
Concen: 4.94 ug/ml
RT: 5.927 min Scan# 1686
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:196 Resp: 42070

Ion	Ratio	Lower	Upper
196	100		
200	29.9	25.4	38.0
198	95.2	78.0	117.0

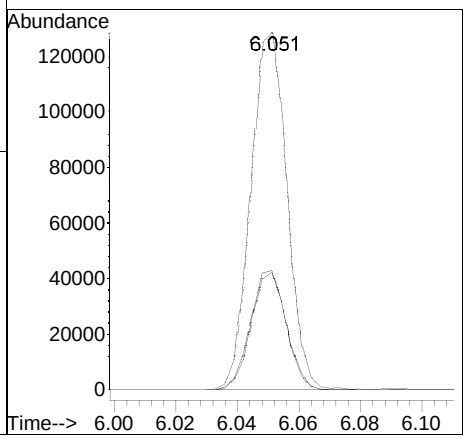


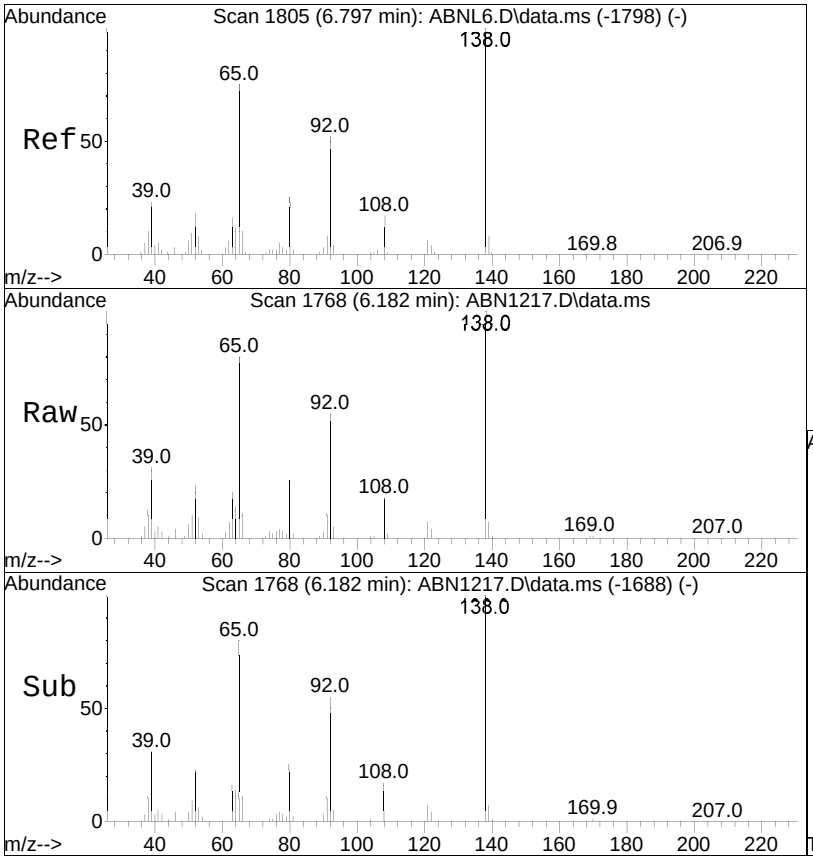


#49
2-Chloronaphthalene
Concen: 4.60 ug/ml
RT: 6.051 min Scan# 1726
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:162 Resp: 104213

Ion	Ratio	Lower	Upper
162	100		
127	32.9	32.2	48.4
164	32.0	25.7	38.5

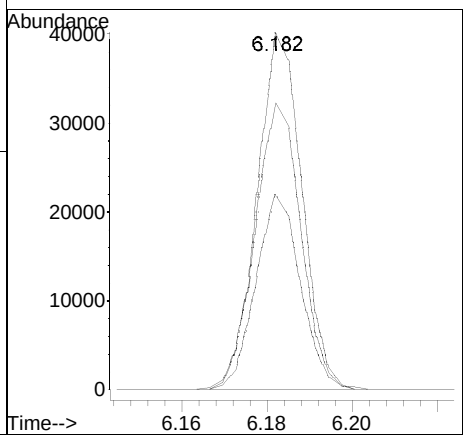


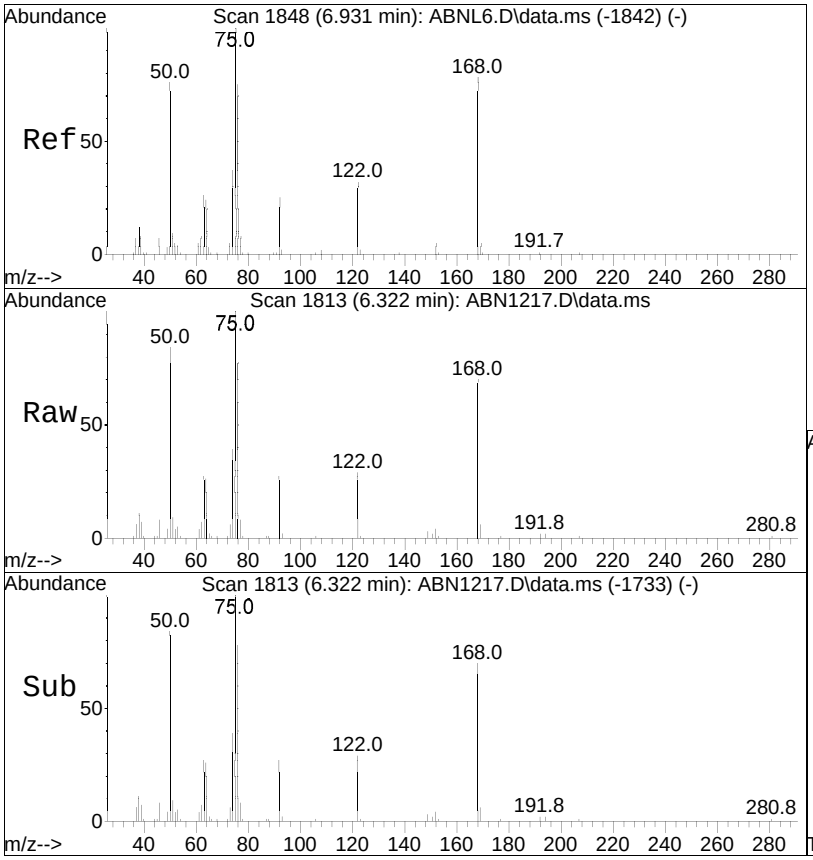


#50
2-Nitroaniline
Concen: 5.03 ug/ml
RT: 6.182 min Scan# 1768
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:138 Resp: 29144

Ion	Ratio	Lower	Upper
138	100		
92	54.7	53.5	80.3
65	82.7	86.3	129.5#

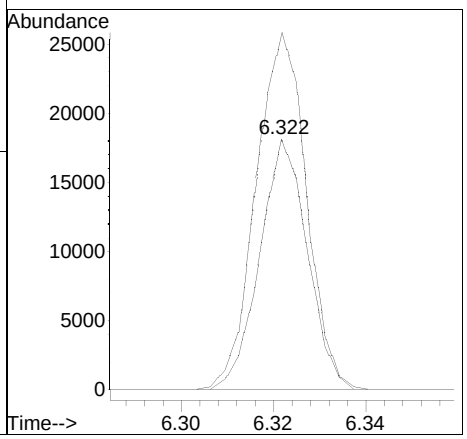


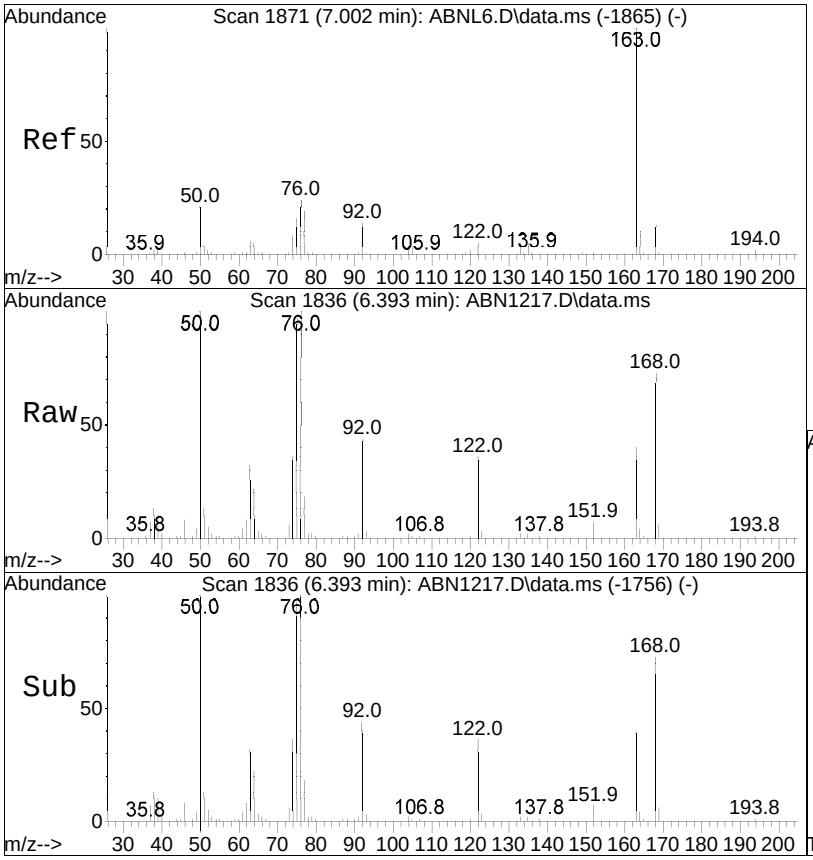


#51
1,4-Dinitrobenzene
Concen: 5.15 ug/ml
RT: 6.322 min Scan# 1813
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:168 Resp: 12949

Ion	Ratio	Lower	Upper
168	100		
75	150.7	121.8	182.8

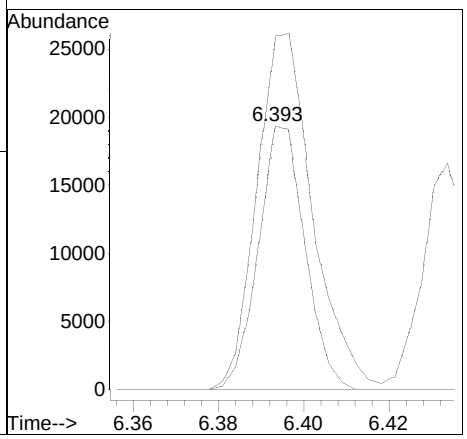


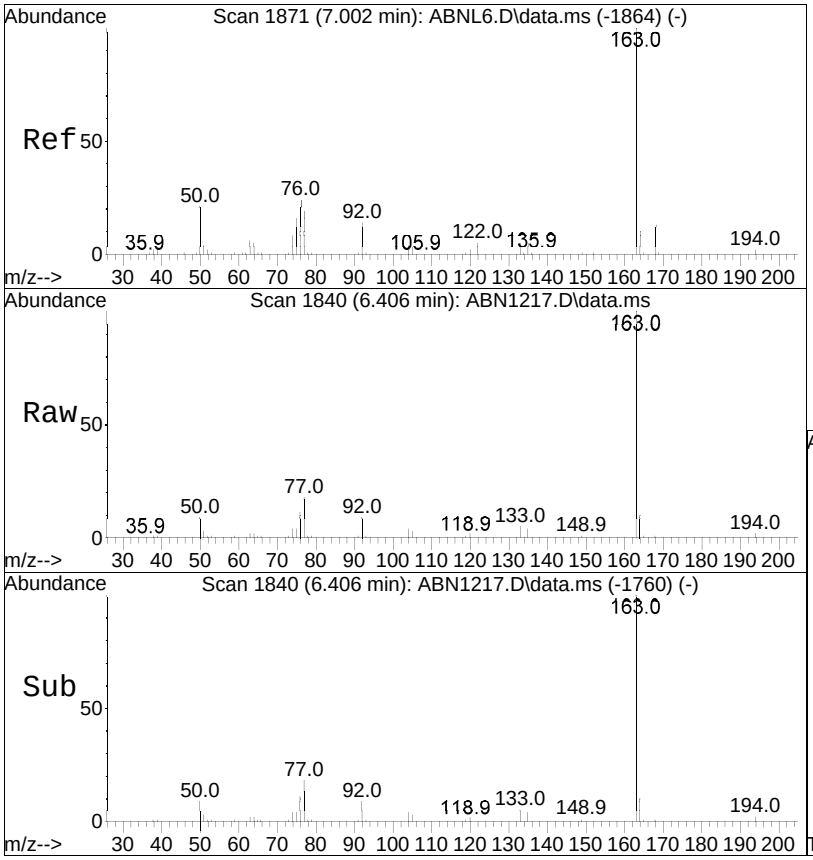


#52
1,3-Dinitrobenzene
Concen: 4.89 ug/ml
RT: 6.393 min Scan# 1836
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:168 Resp: 14730

Ion	Ratio	Lower	Upper
168	100		
75	162.2	22.7	34.1#

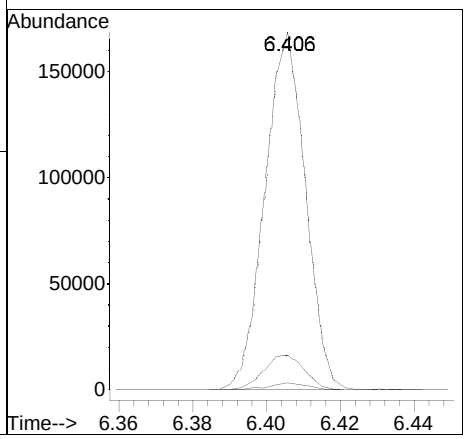


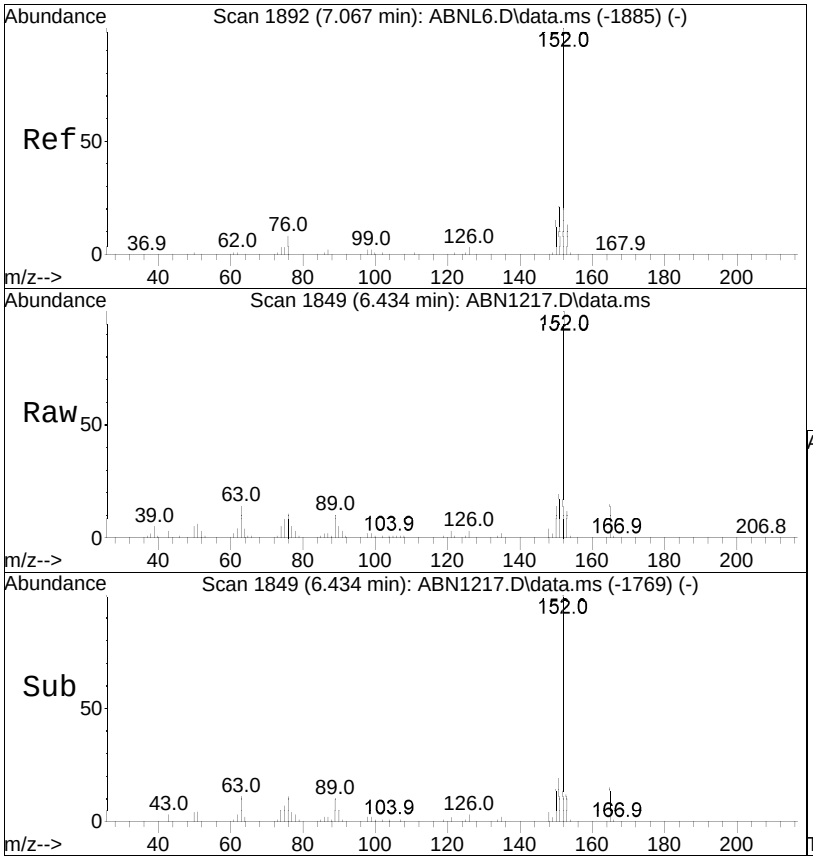


#53
Dimethyl phthalate
Concen: 4.84 ug/ml
RT: 6.406 min Scan# 1840
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:163 Resp: 127301

Ion	Ratio	Lower	Upper
163	100		
194	1.9	3.5	5.3#
164	9.9	7.9	11.9

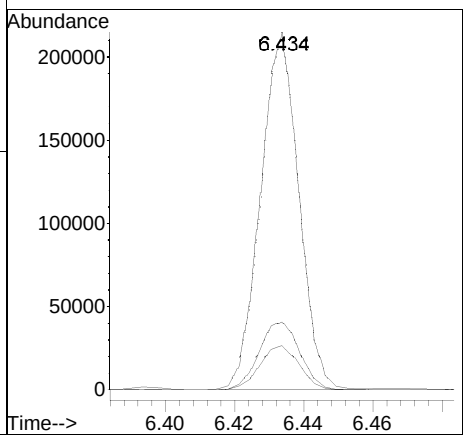


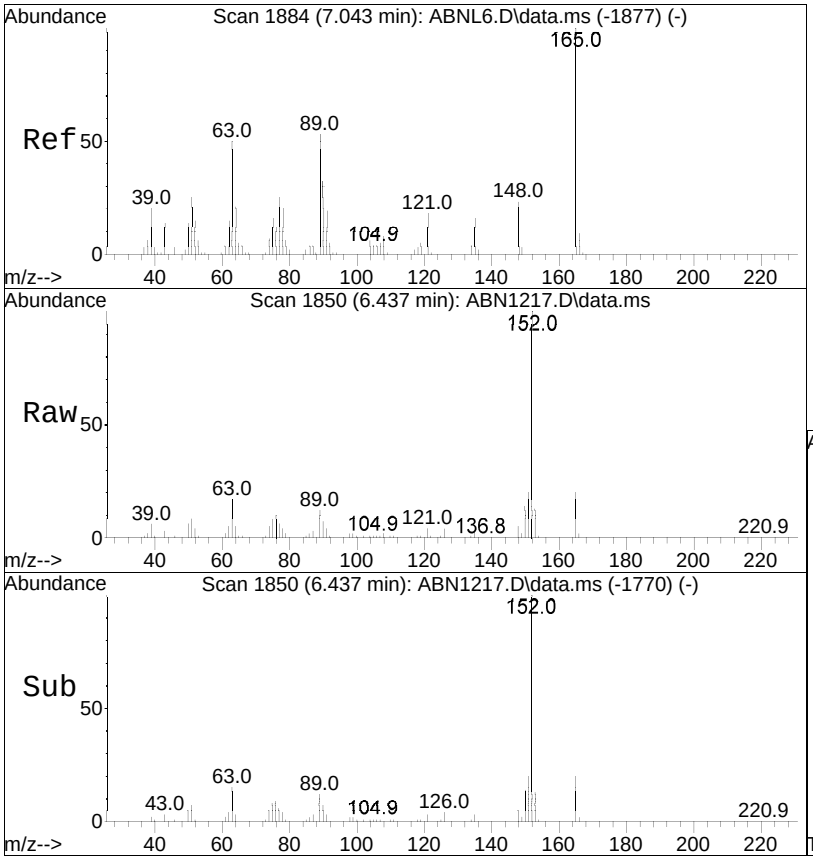


#54
Acenaphthylene
Concen: 4.90 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:152 Resp: 162954

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	12.9	10.5	15.7

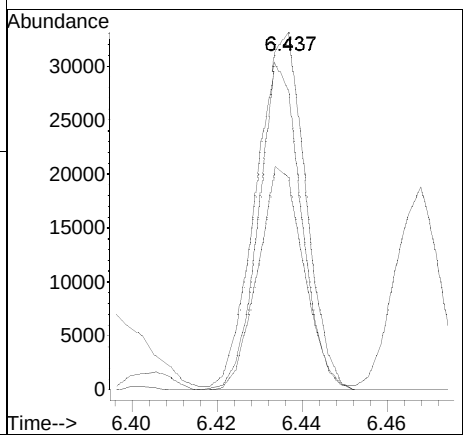


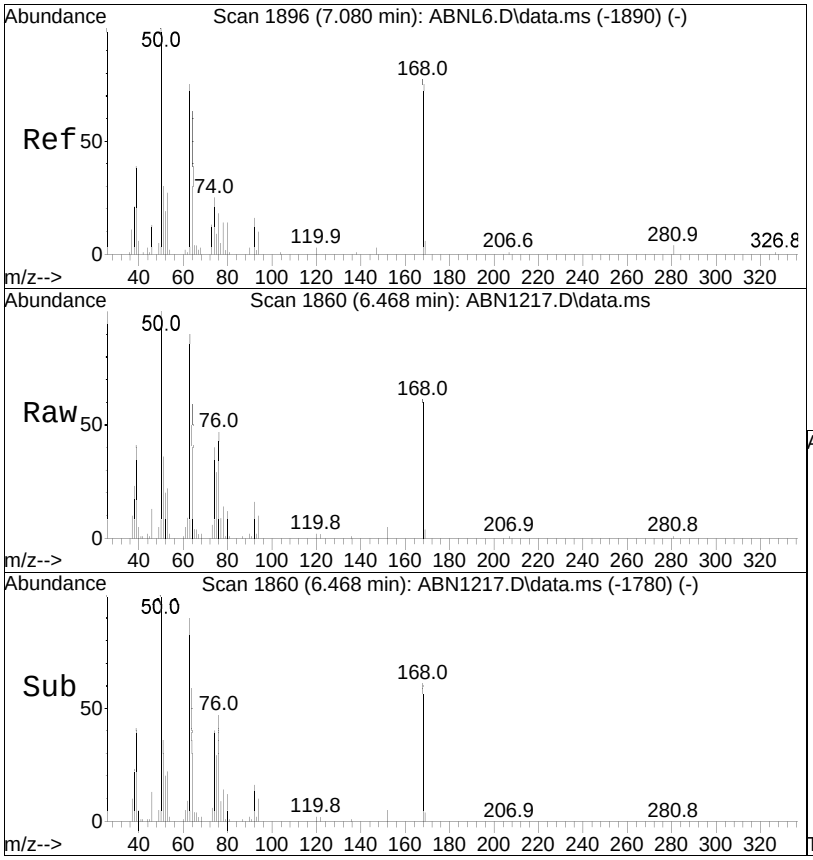


#55
2,6-Dinitrotoluene
Concen: 4.96 ug/ml
RT: 6.437 min Scan# 1850
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:165 Resp: 24353

Ion	Ratio	Lower	Upper
165	100		
89	63.6	54.2	81.2
63	95.7	64.2	96.2

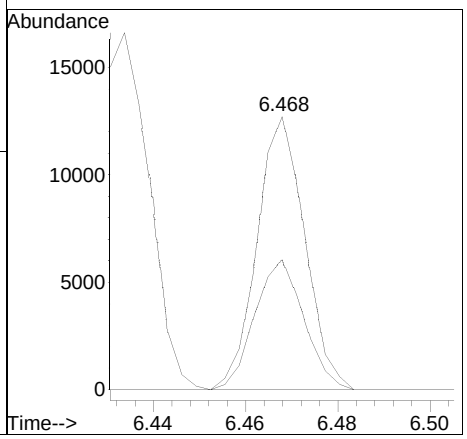


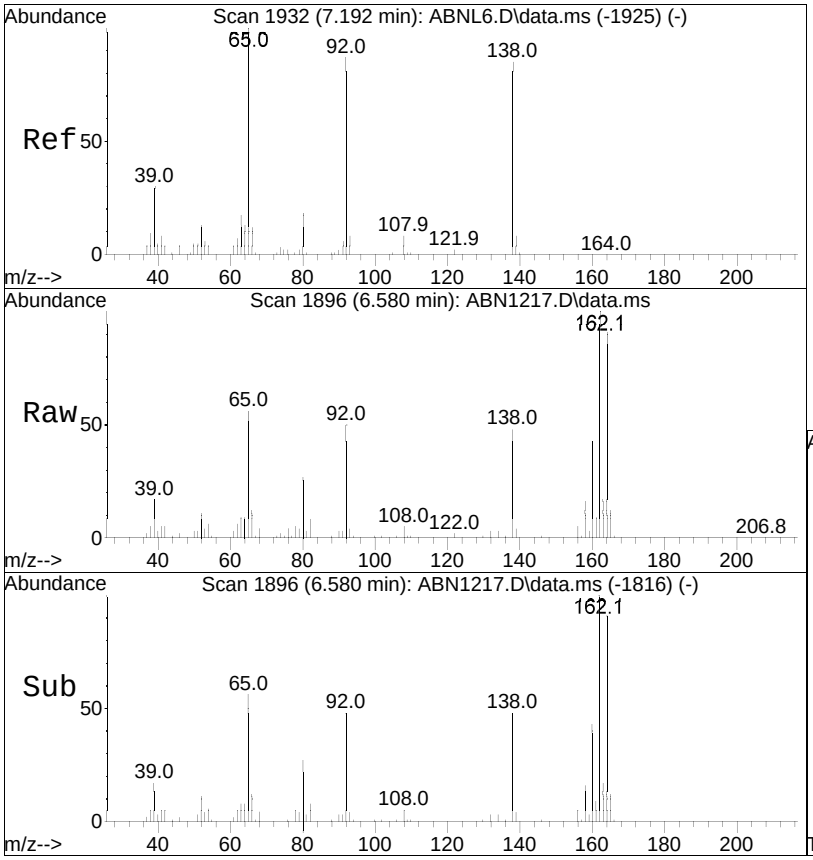


#56
1,2-Dinitrobenzene
Concen: 5.18 ug/ml
RT: 6.468 min Scan# 1860
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:168 Resp: 9114

Ion	Ratio	Lower	Upper
168	100		
75	48.9	30.9	46.3#

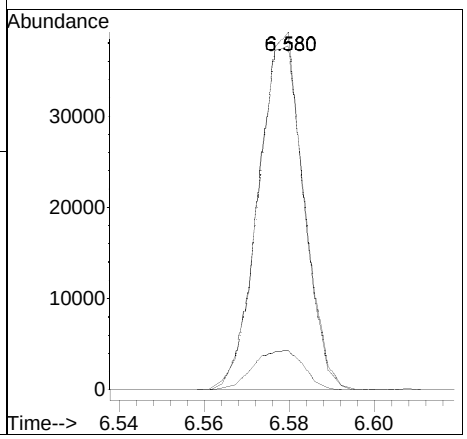


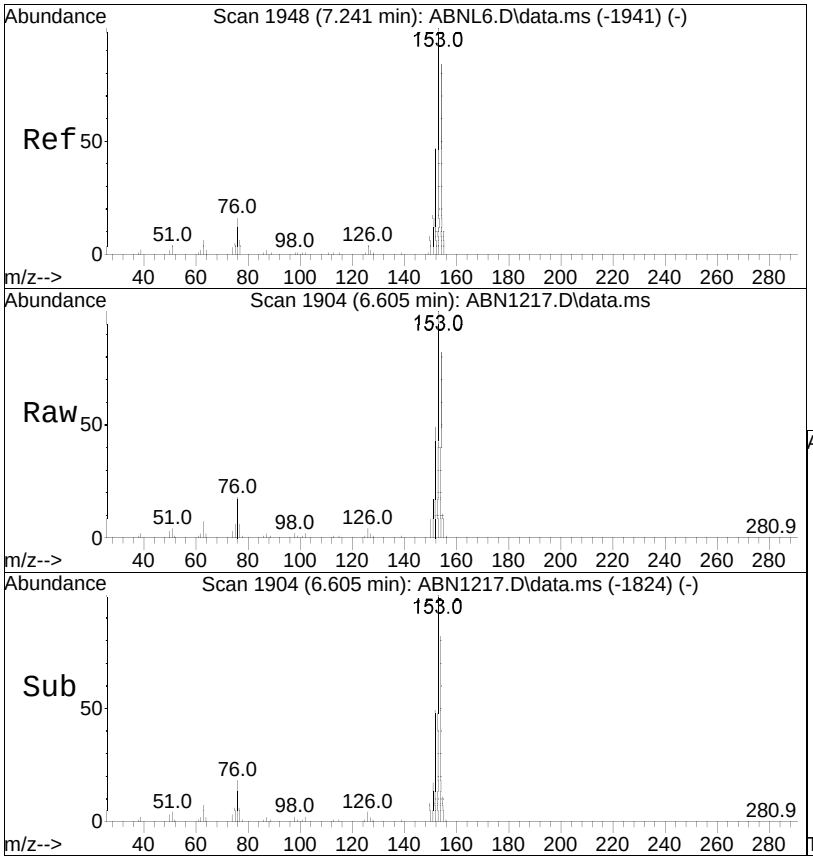


#66
3-Nitroaniline
Concen: 5.14 ug/ml
RT: 6.580 min Scan# 1896
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:138 Resp: 28439

Ion	Ratio	Lower	Upper
138	100		
92	99.9	93.4	140.2
108	12.6	9.5	14.3

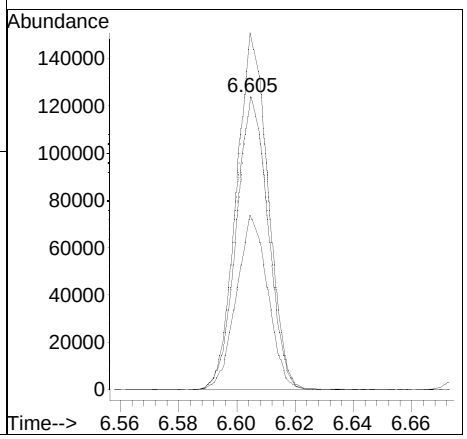


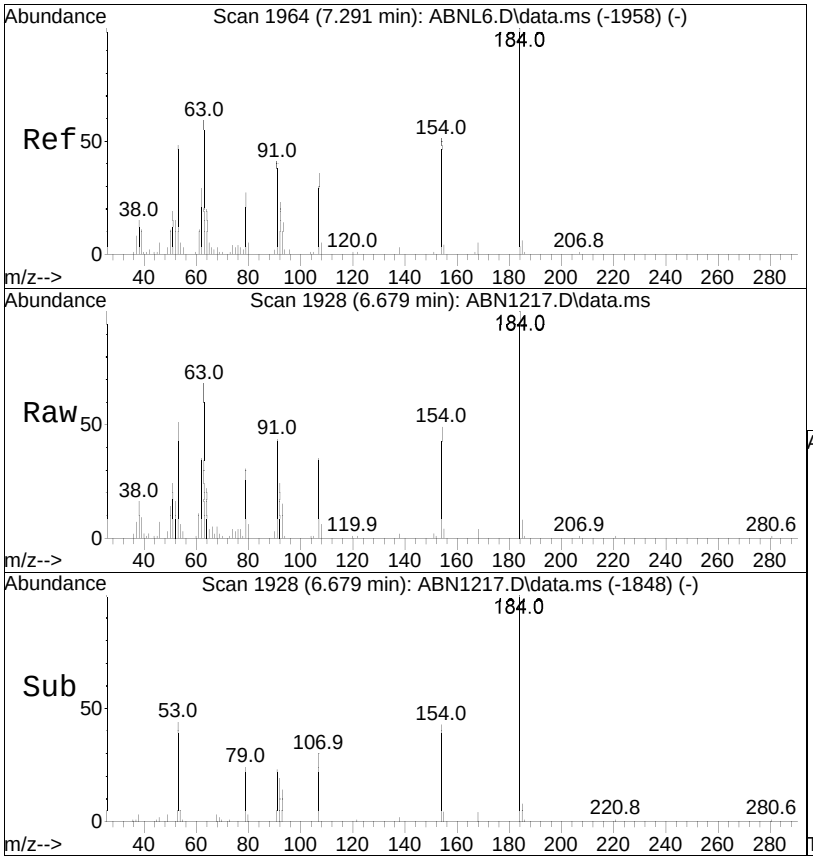


#67
Acenaphthene
Concen: 4.52 ug/ml
RT: 6.605 min Scan# 1904
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:154 Resp: 94226

Ion	Ratio	Lower	Upper
154	100		
153	120.9	85.3	127.9
152	59.4	41.4	62.0

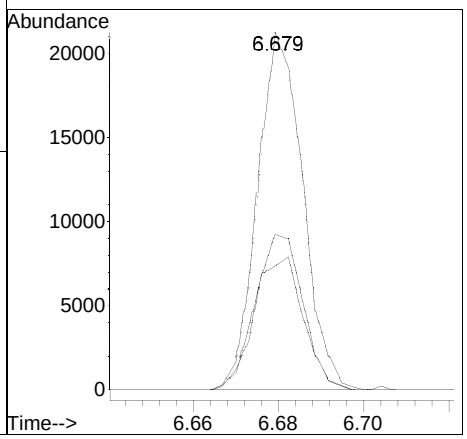


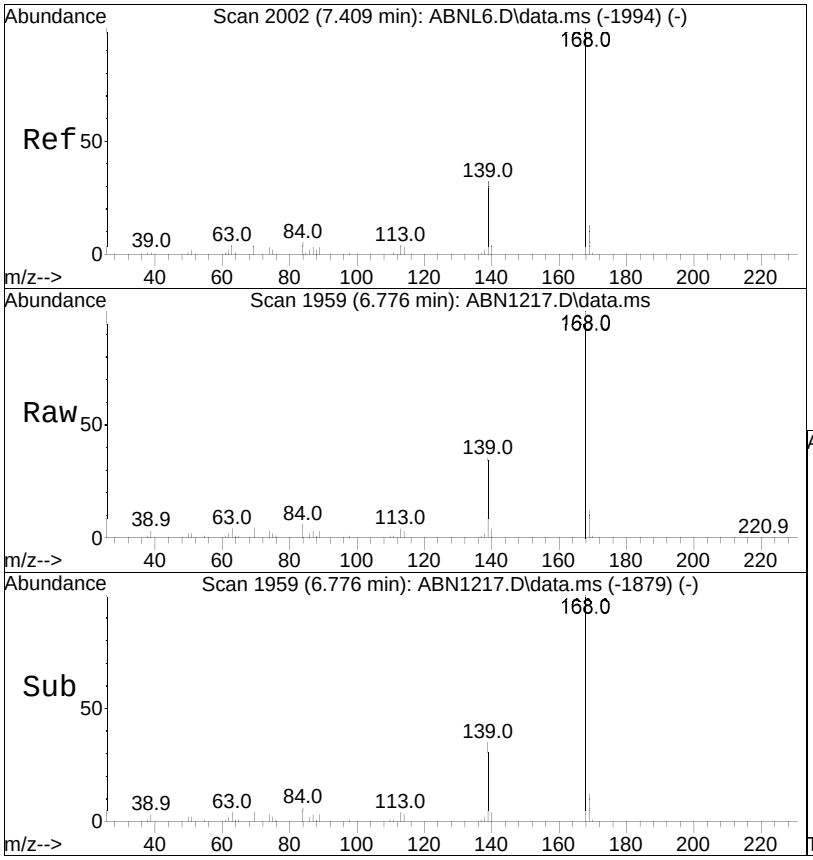


#68
2,4-Dinitrophenol
Concen: 4.63 ug/ml
RT: 6.679 min Scan# 1928
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:184 Resp: 15614

Ion	Ratio	Lower	Upper
184	100		
107	40.6	37.7	56.5
91	46.1	46.3	69.5#

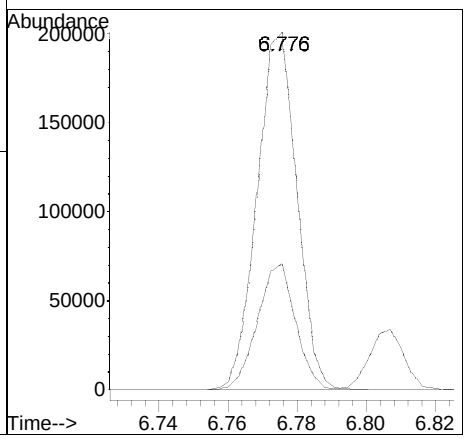


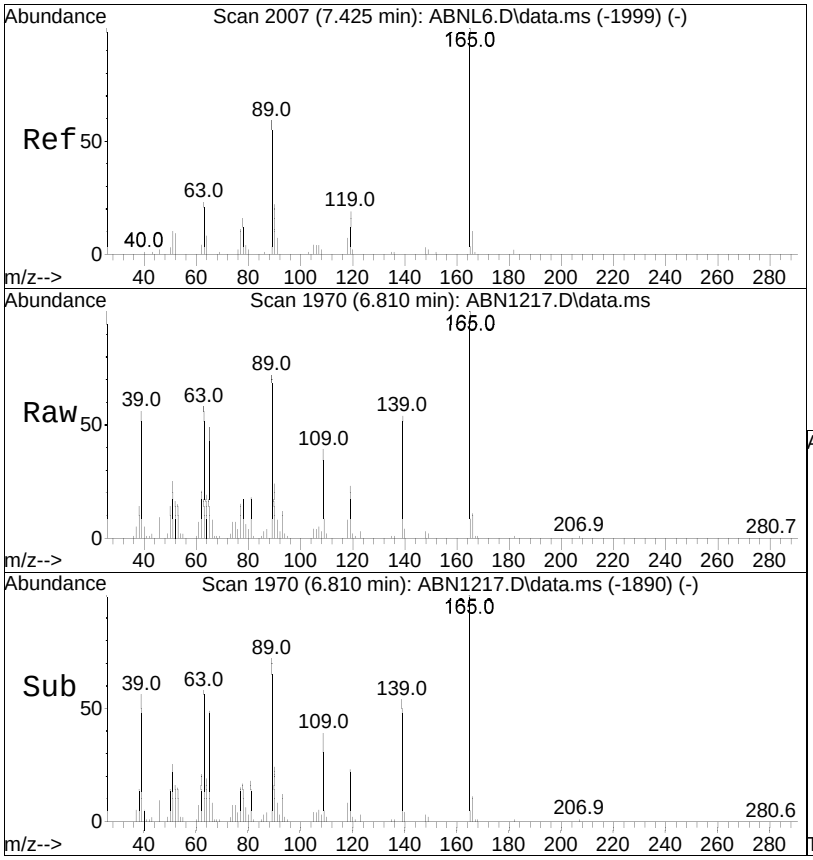


#69
Dibenzofuran
Concen: 4.42 ug/ml
RT: 6.776 min Scan# 1959
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:168 Resp: 158831

Ion	Ratio	Lower	Upper
168	100		
139	34.0	31.4	47.2

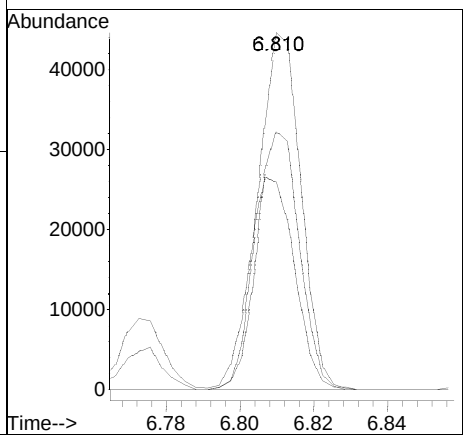


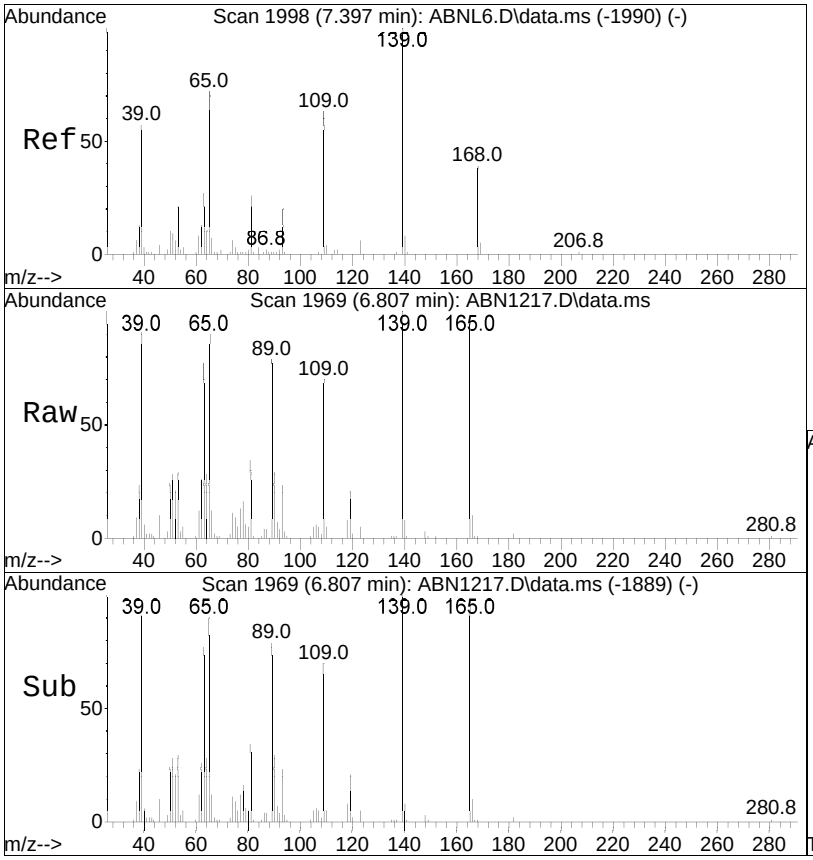


#70
2,4-Dinitrotoluene
Concen: 5.09 ug/ml
RT: 6.810 min Scan# 1970
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:165 Resp: 35302

Ion	Ratio	Lower	Upper
165	100		
89	72.2	72.0	108.0
63	64.5	52.7	79.1

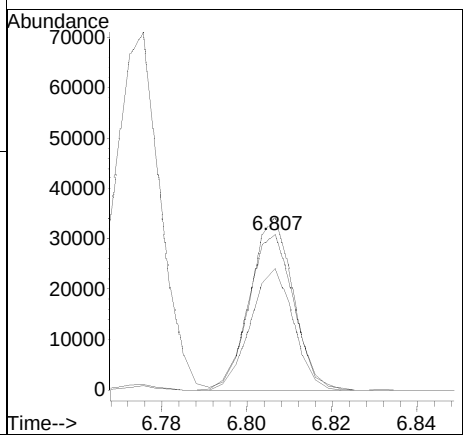


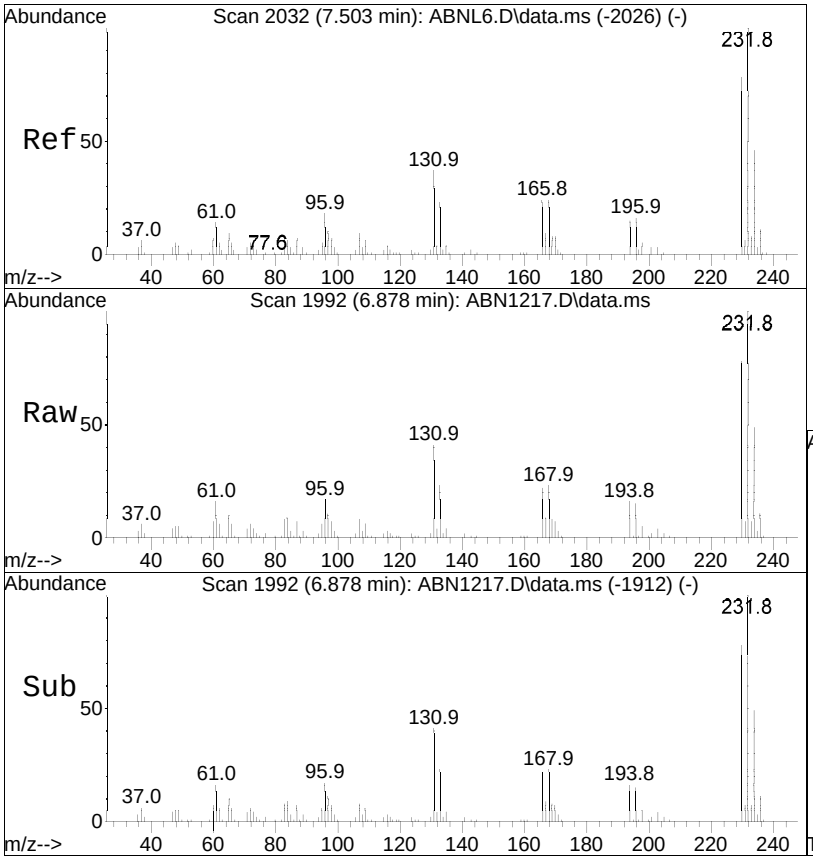


#71
4-Nitrophenol
Concen: 5.53 ug/ml
RT: 6.807 min Scan# 1969
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 65 Resp: 22830

Ion	Ratio	Lower	Upper
65	100		
109	73.9	47.4	71.2#
139	104.5	76.6	115.0

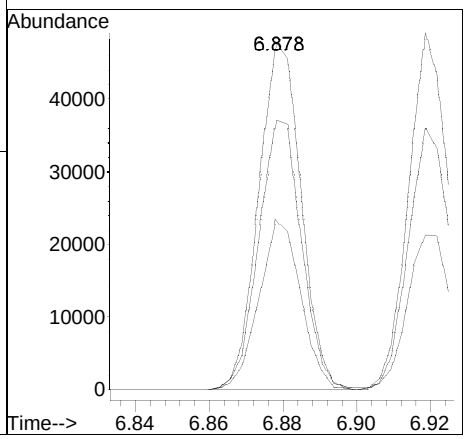


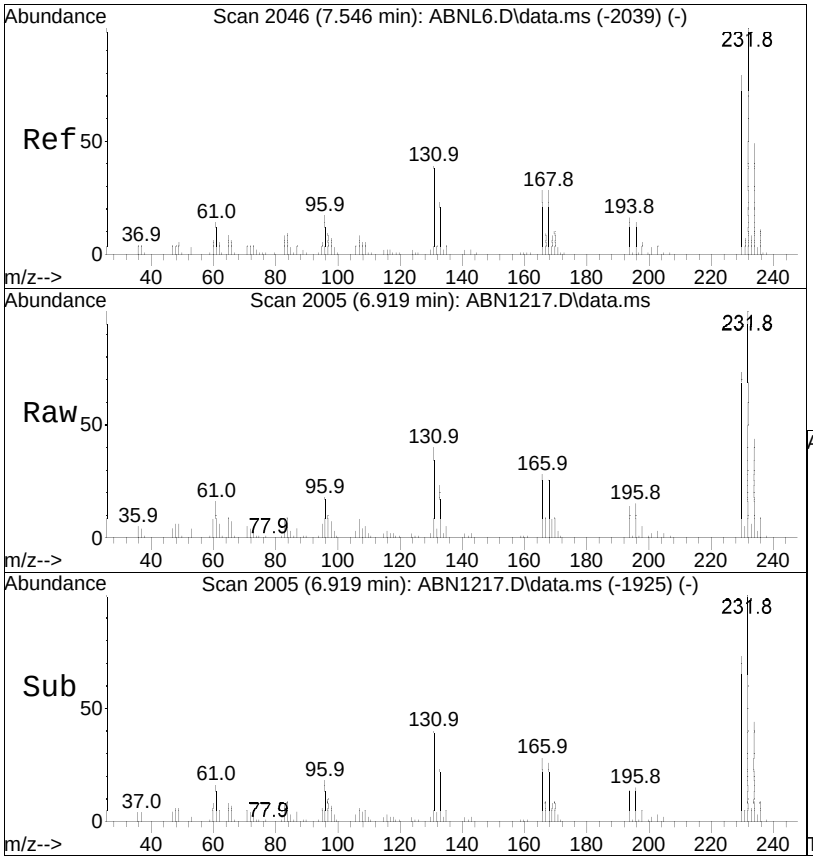


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.92 ug/ml
RT: 6.878 min Scan# 1992
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:232 Resp: 38448

Ion	Ratio	Lower	Upper
232	100		
230	78.1	64.2	96.4
234	48.1	38.1	57.1

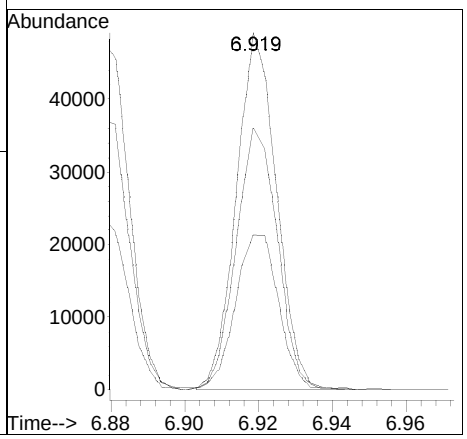


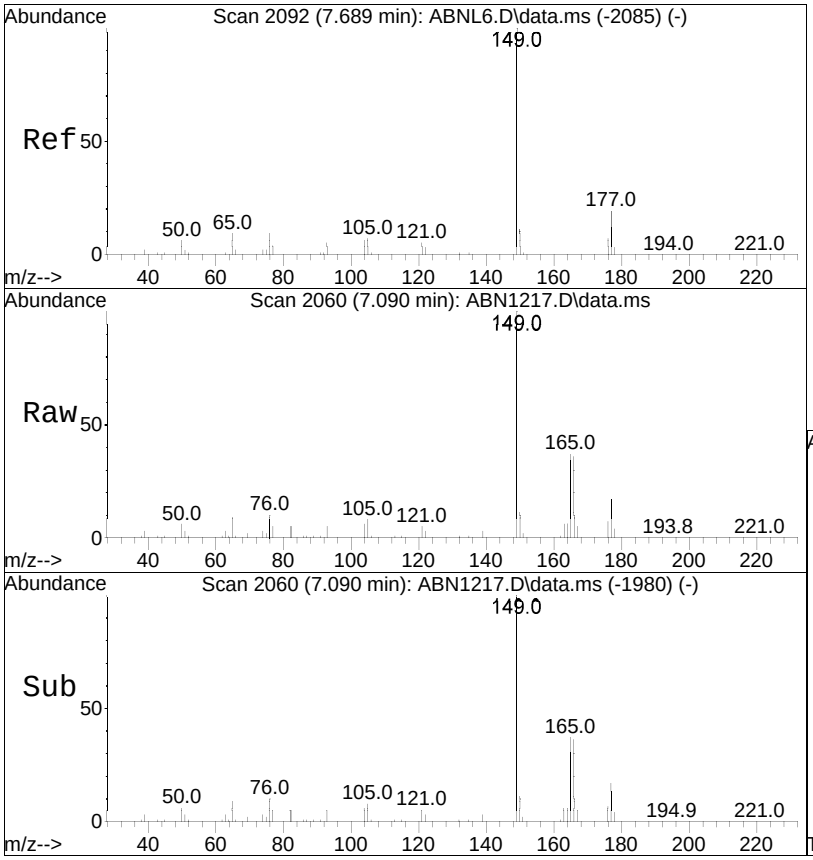


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.87 ug/ml
RT: 6.919 min Scan# 2005
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:232 Resp: 37371

Ion	Ratio	Lower	Upper
232	100		
230	75.5	61.8	92.8
234	47.0	36.2	54.2

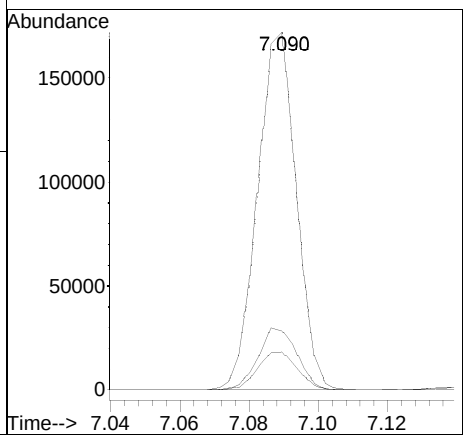


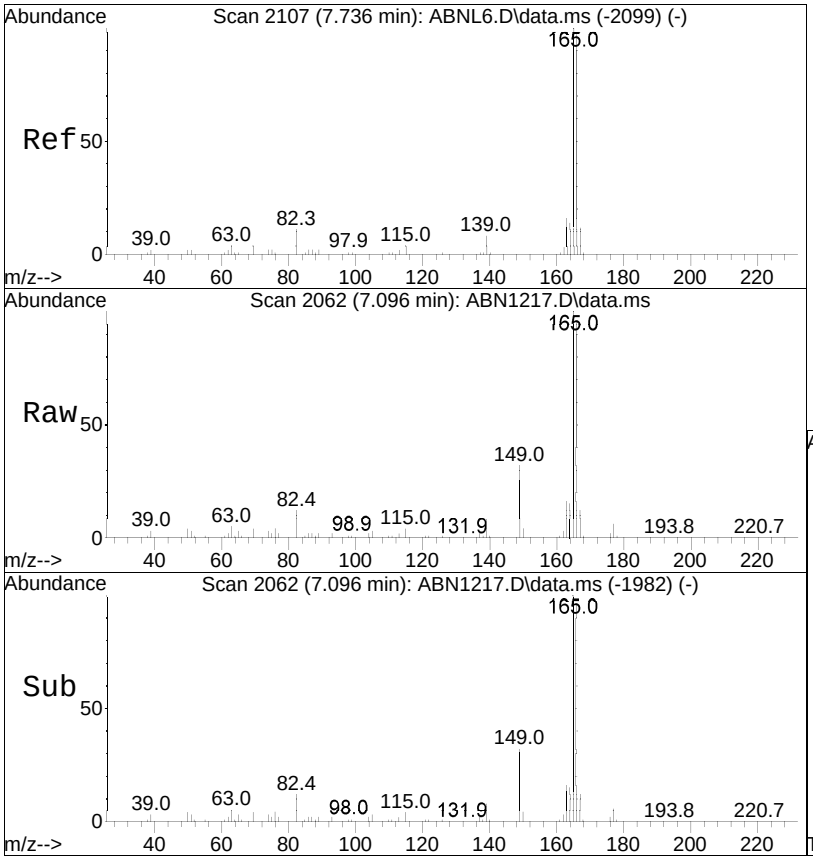


#74
Diethyl phthalate
Concen: 4.72 ug/ml
RT: 7.090 min Scan# 2060
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:149 Resp: 133245

Ion	Ratio	Lower	Upper
149	100		
177	17.5	16.1	24.1
150	11.1	9.4	14.2

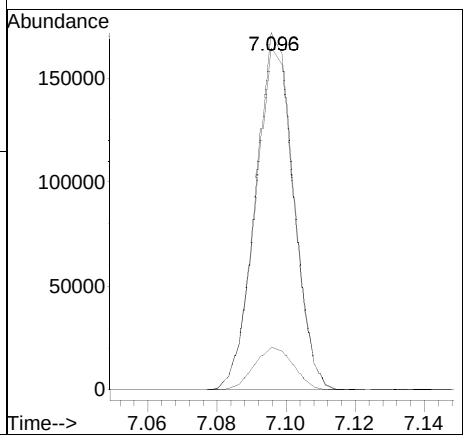


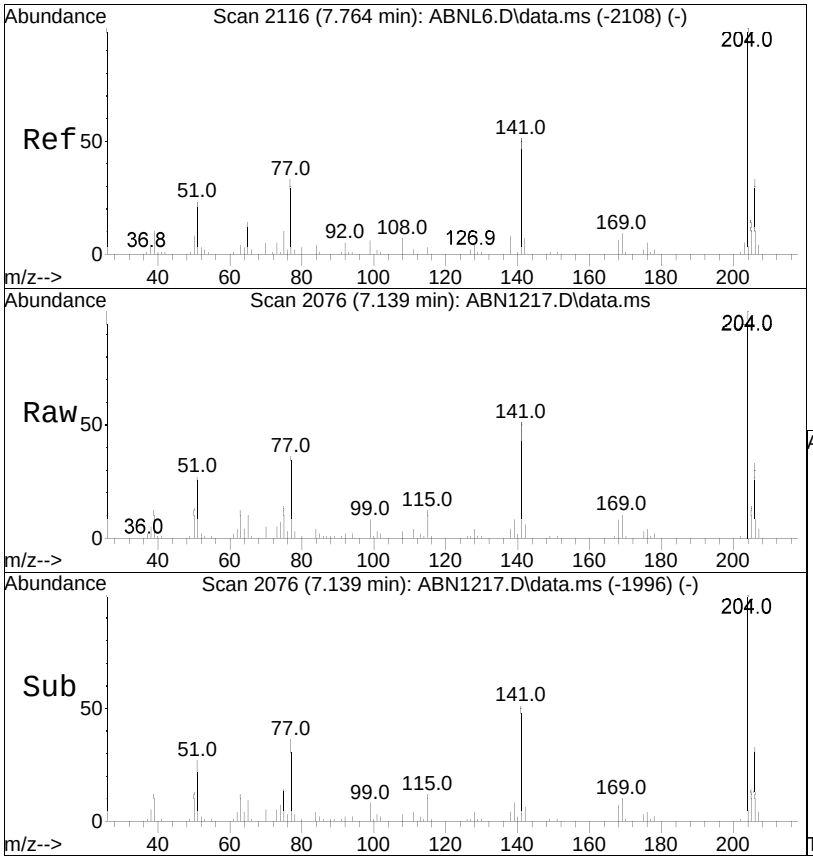


#75
Fluorene
Concen: 4.61 ug/ml
RT: 7.096 min Scan# 2062
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:166 Resp: 126990

Ion	Ratio	Lower	Upper
166	100		
165	104.0	76.2	114.2
167	13.0	10.6	15.8

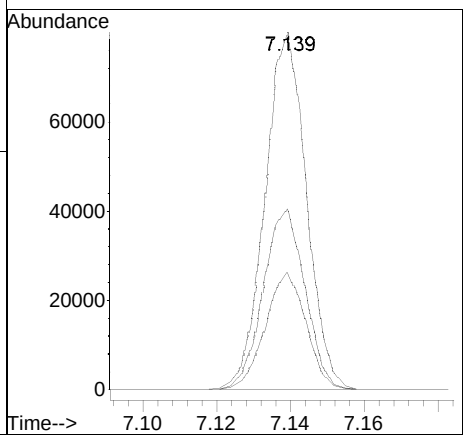


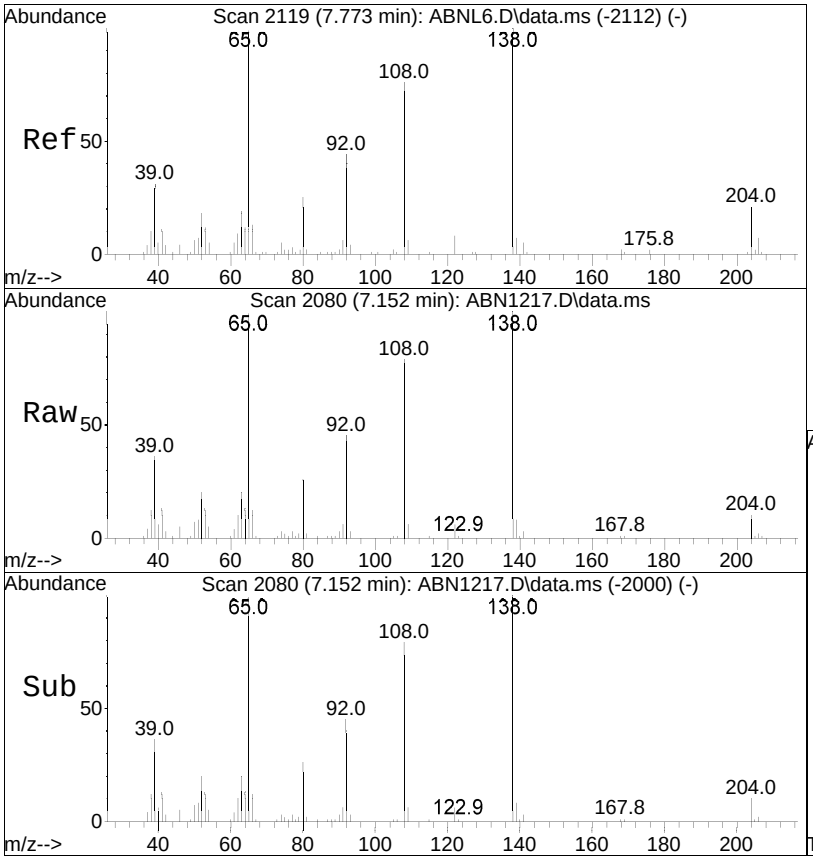


#76
4-Chlorophenyl phenyl ether
Concen: 4.35 ug/ml
RT: 7.139 min Scan# 2076
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:204 Resp: 61730

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	51.2	53.6	80.4#

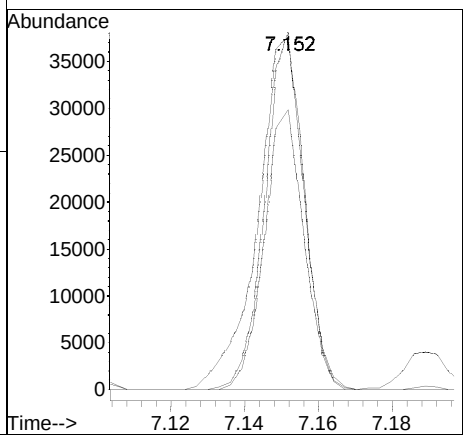


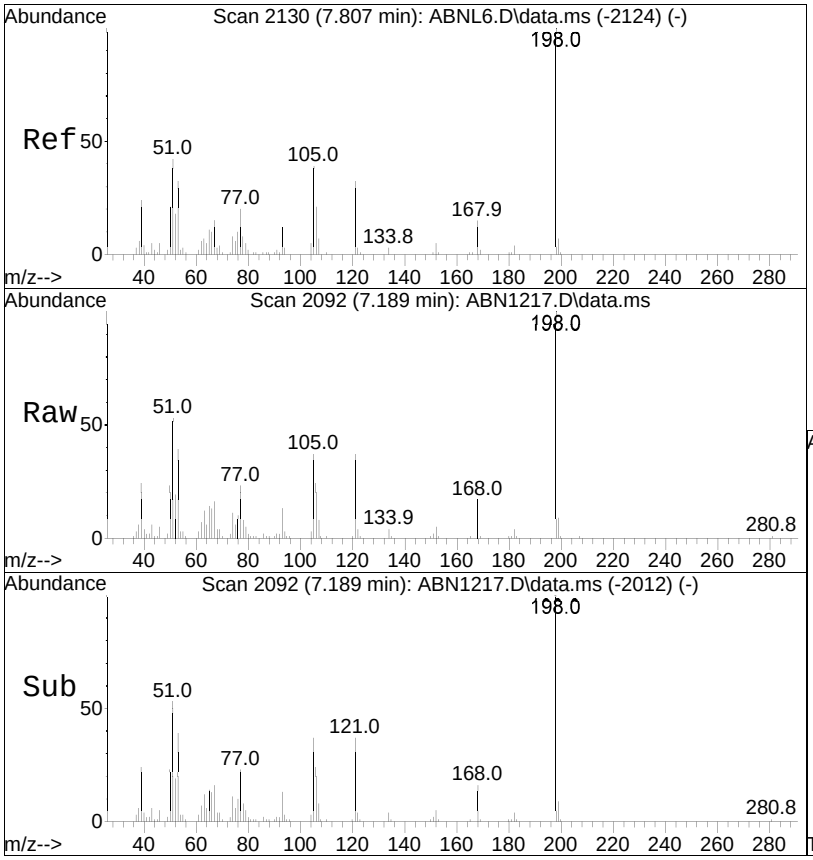


#77
4-Nitroaniline
Concen: 5.20 ug/ml
RT: 7.152 min Scan# 2080
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:138 Resp: 27814

Ion	Ratio	Lower	Upper
138	100		
108	79.9	52.1	78.1#
65	117.6	115.0	172.6

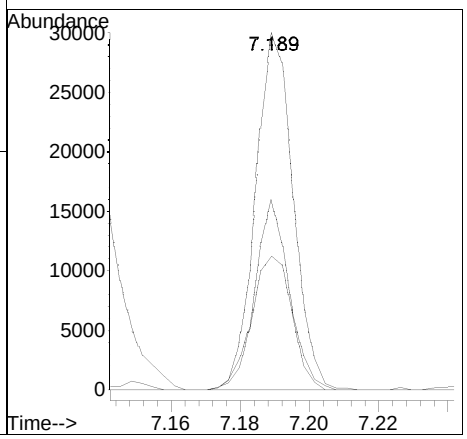


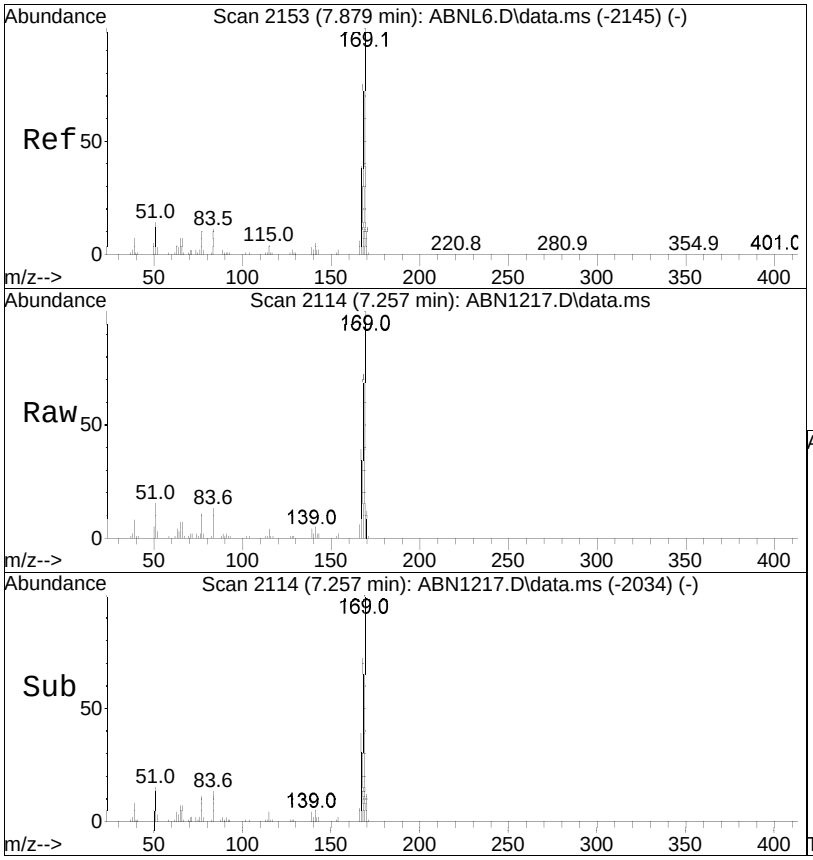


#78
4,6-Dinitro-o-cresol
Concen: 5.40 ug/ml
RT: 7.189 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:198 Resp: 22667

Ion	Ratio	Lower	Upper
198	100		
51	49.2	76.0	114.0#
105	39.7	45.6	68.4#

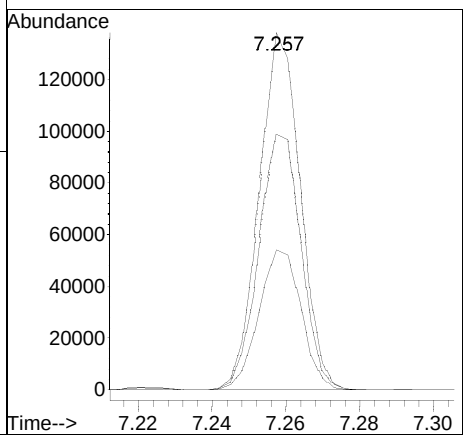


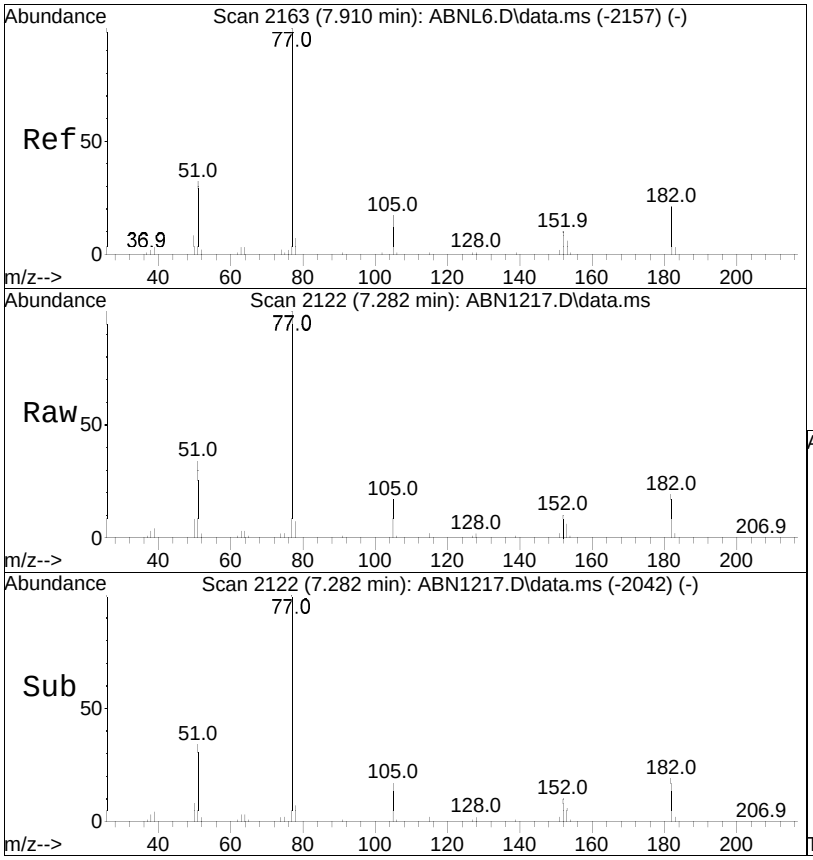


#79
NDPA/DPA
Concen: 4.45 ug/ml
RT: 7.257 min Scan# 2114
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:169 Resp: 106531

Ion	Ratio	Lower	Upper
169	100		
168	73.8	54.0	81.0
167	40.5	28.6	42.8

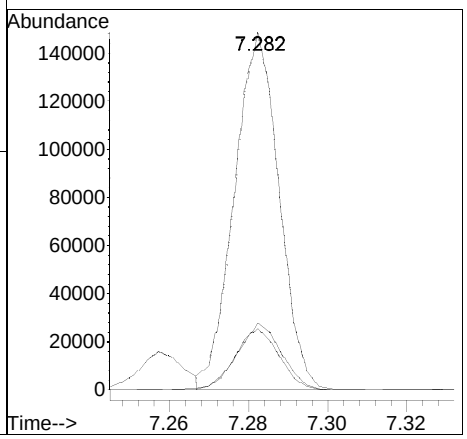


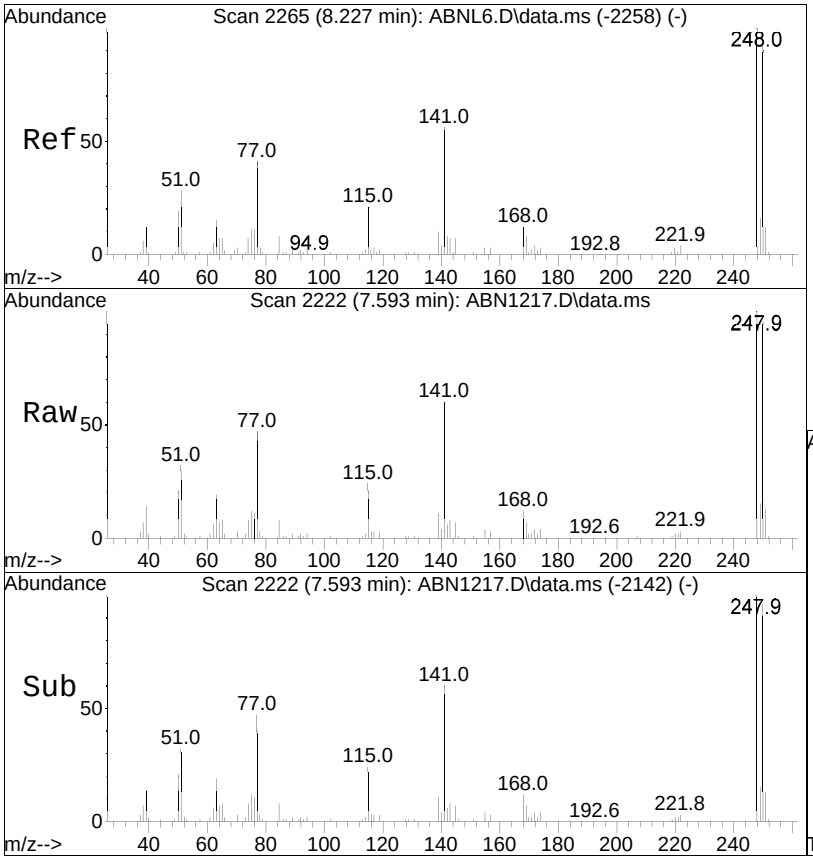


#80
Azobenzene
Concen: 5.03 ug/ml
RT: 7.282 min Scan# 2122
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion: 77 Resp: 115476

Ion	Ratio	Lower	Upper
77	100		
182	18.6	17.4	26.2
105	17.2	15.4	23.2

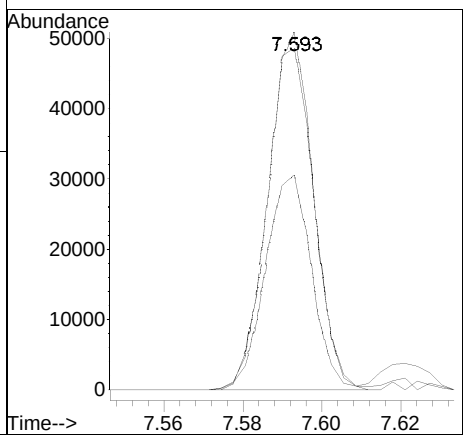


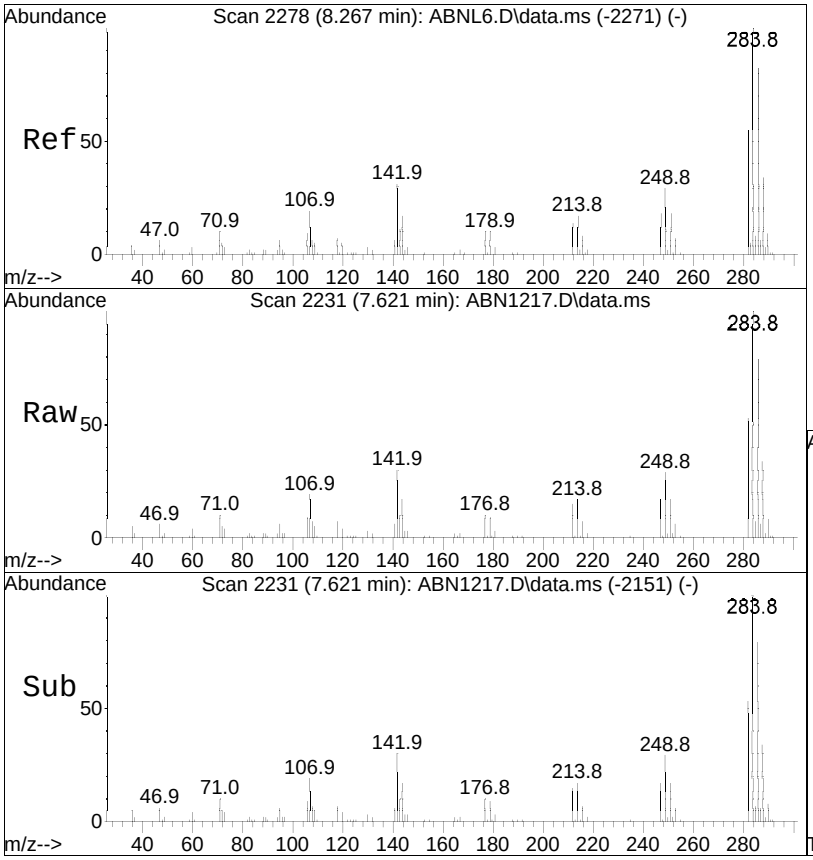


#82
4-Bromophenyl phenyl ether
Concen: 4.32 ug/ml
RT: 7.593 min Scan# 2222
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:248 Resp: 40393

Ion	Ratio	Lower	Upper
248	100		
141	61.1	76.6	114.8#
250	98.5	77.3	115.9

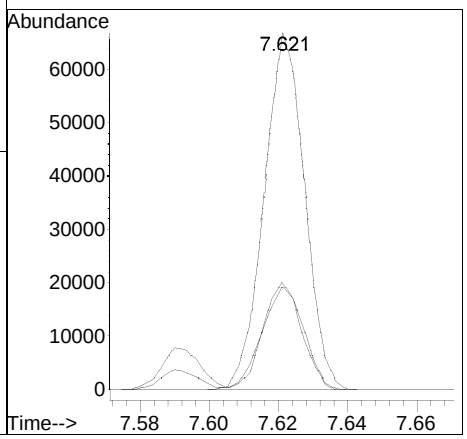


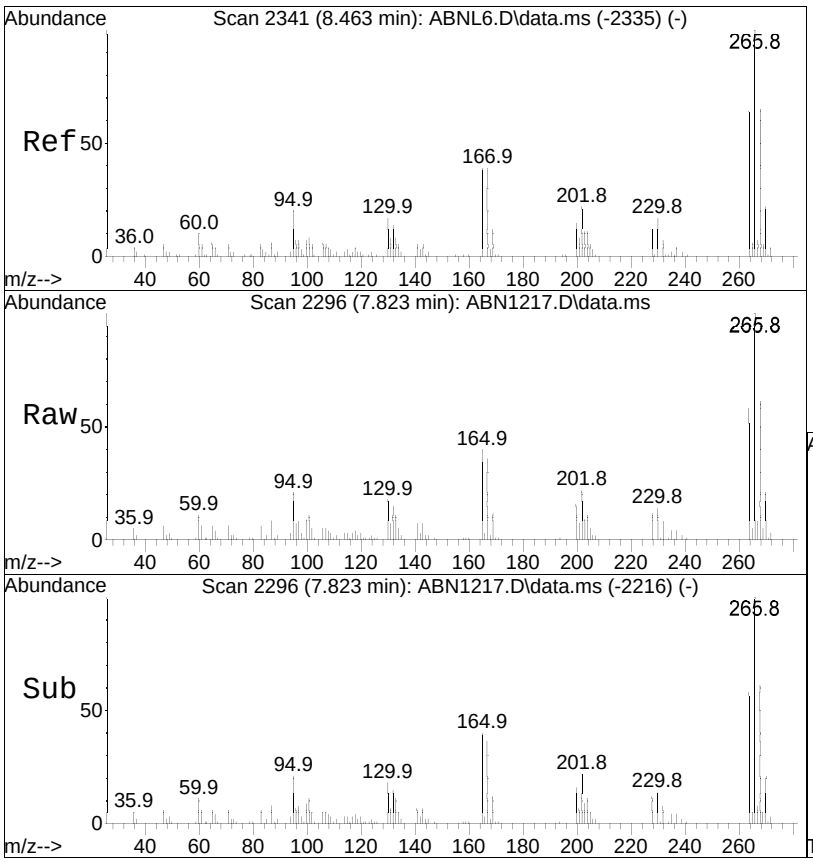


#83
Hexachlorobenzene
Concen: 4.61 ug/ml
RT: 7.621 min Scan# 2231
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:284 Resp: 54199

Ion	Ratio	Lower	Upper
284	100		
142	29.7	41.9	62.9#
249	29.1	24.1	36.1

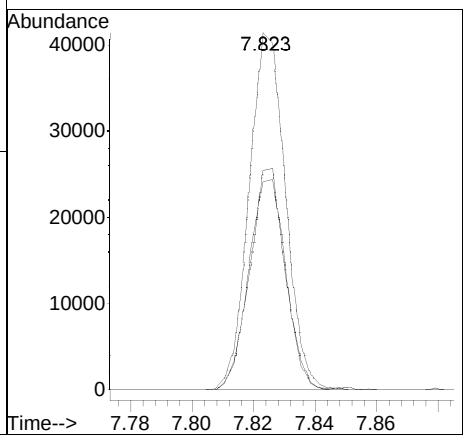


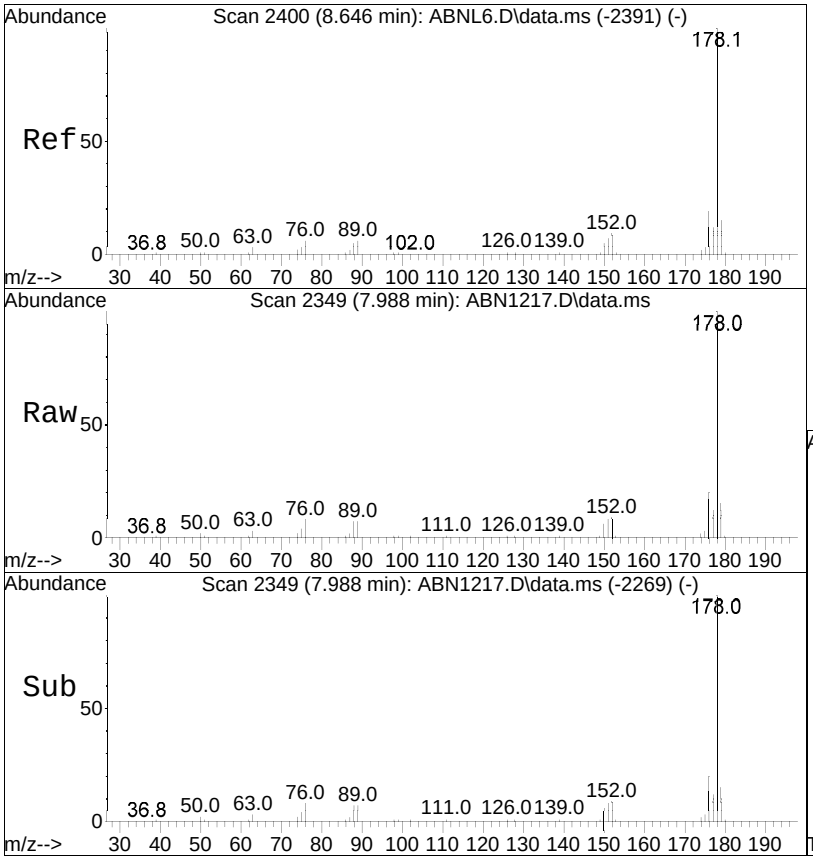


#84
Pentachlorophenol
Concen: 5.33 ug/ml
RT: 7.823 min Scan# 2296
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:266 Resp: 34000

Ion	Ratio	Lower	Upper
266	100		
264	60.0	49.7	74.5
268	60.7	50.5	75.7

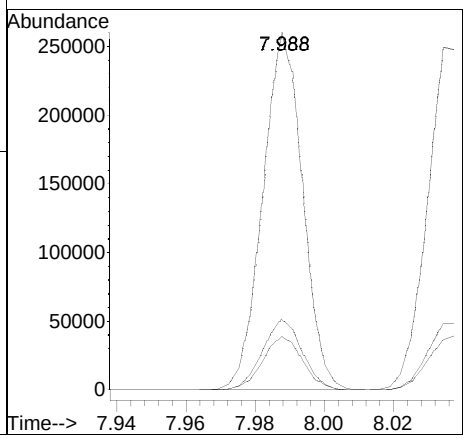


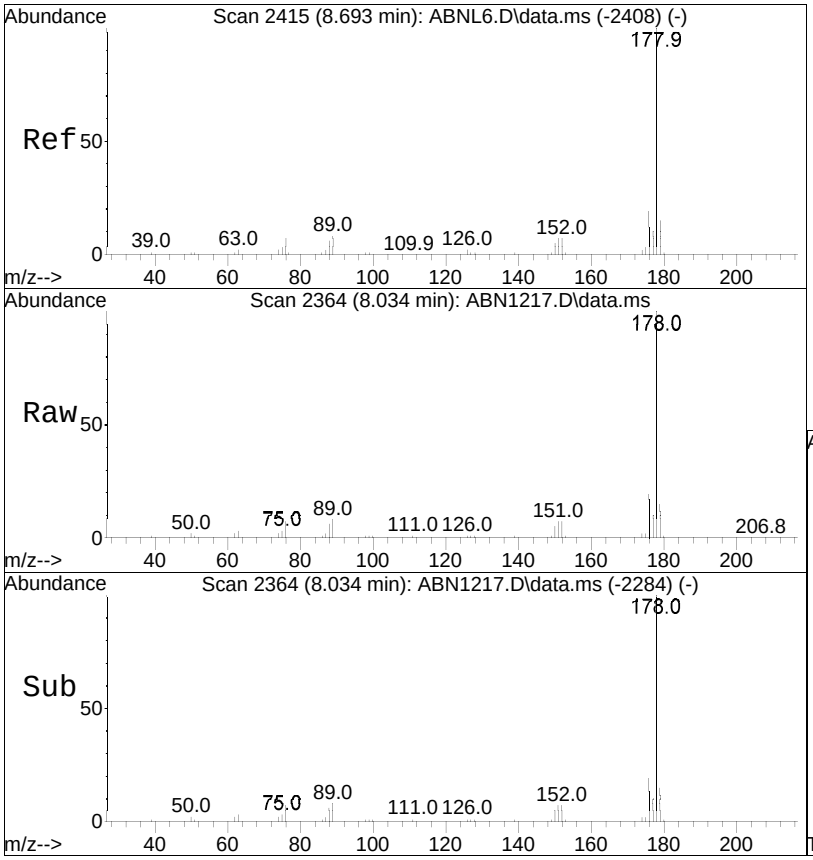


#91
Phenanthrene
Concen: 4.51 ug/ml
RT: 7.988 min Scan# 2349
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:178 Resp: 208108

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.2
176	19.6	15.4	23.2

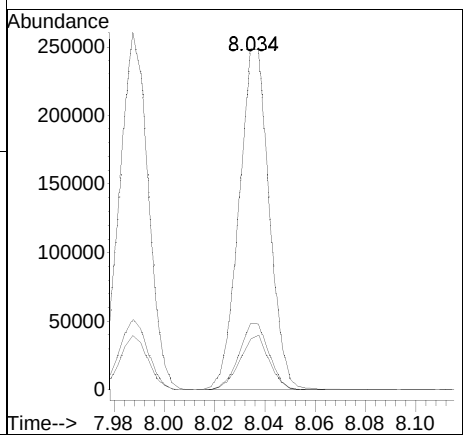


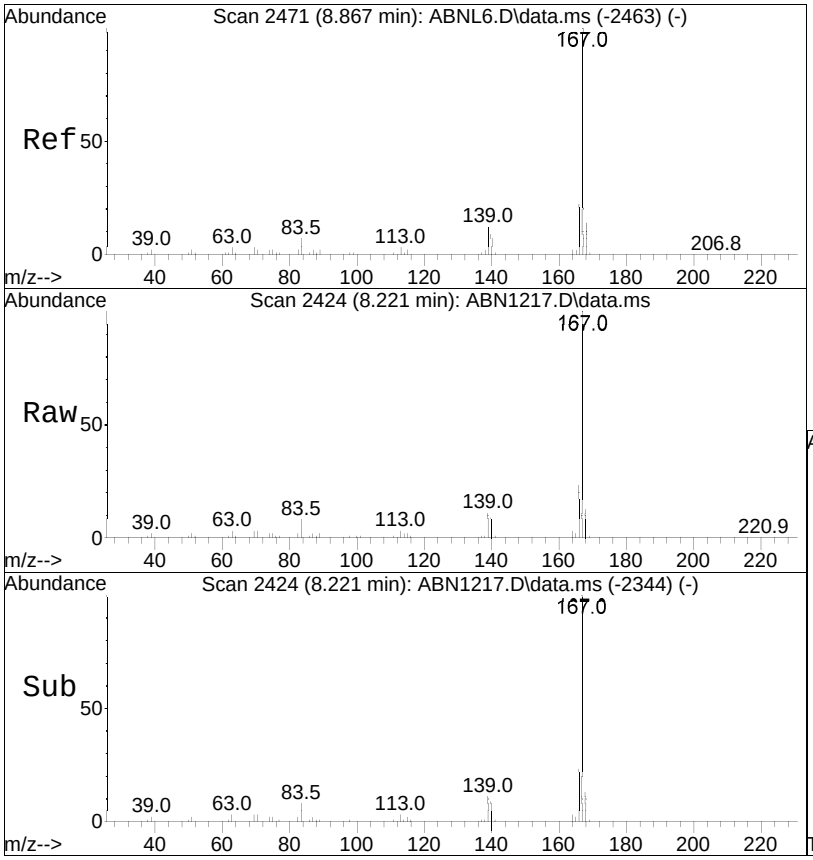


#92
Anthracene
Concen: 4.60 ug/ml
RT: 8.034 min Scan# 2364
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:178 Resp: 208001

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.3	14.6	22.0

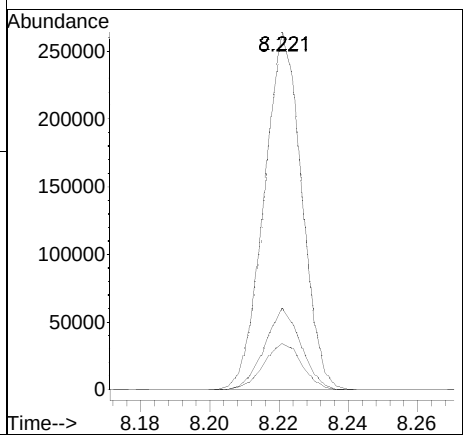


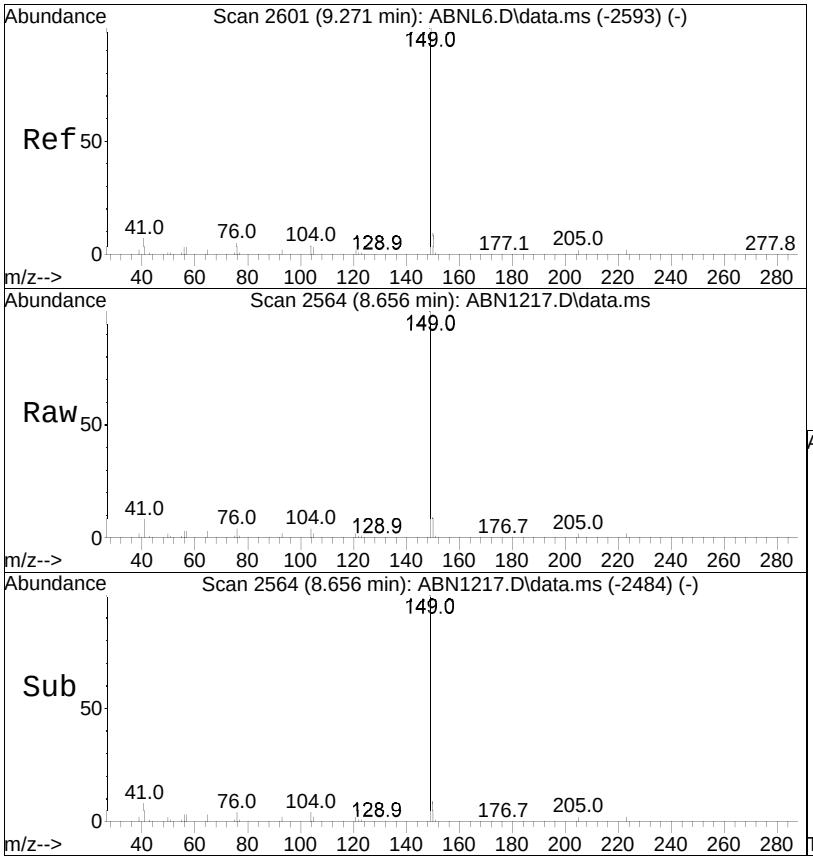


#93
Carbazole
Concen: 4.76 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:167 Resp: 197496

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.3	17.4	26.0

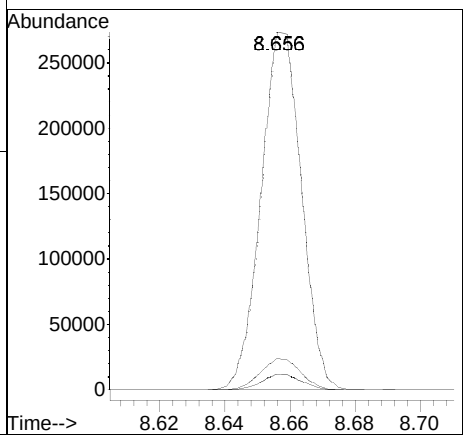


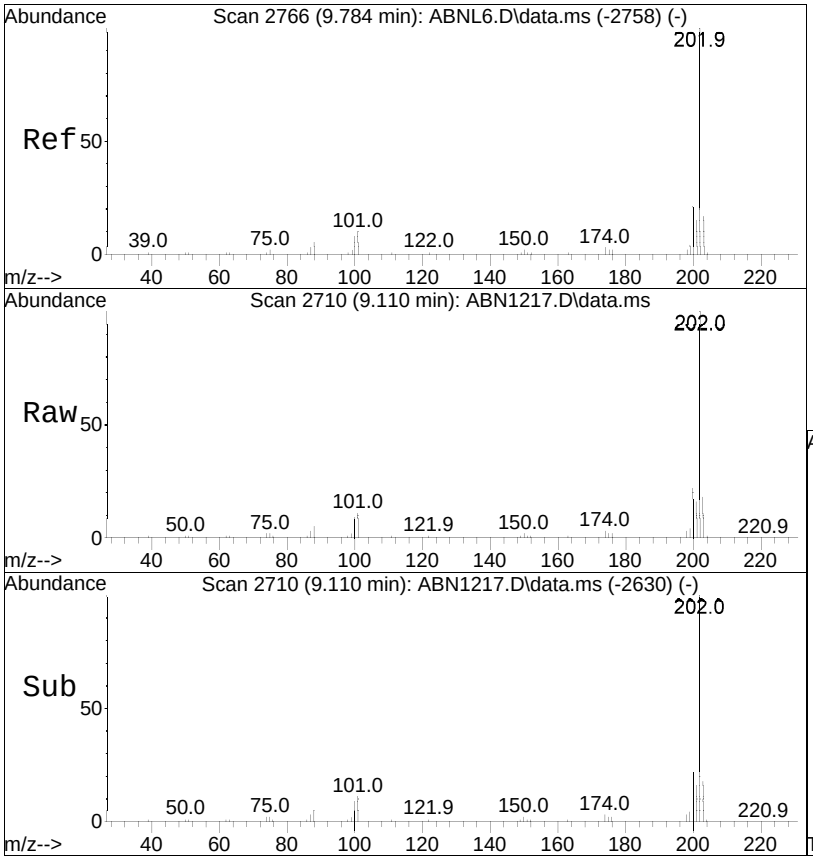


#94
Di-n-butylphthalate
Concen: 4.95 ug/ml
RT: 8.656 min Scan# 2564
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:149 Resp: 233024

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.3	4.5	6.7#

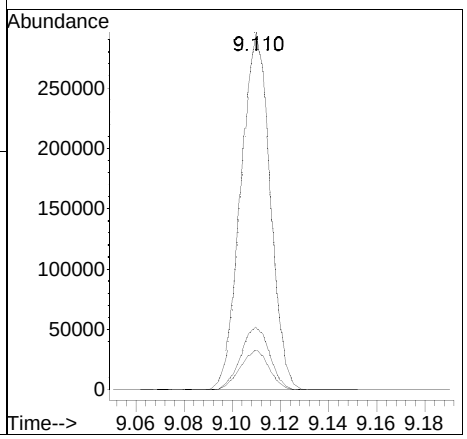


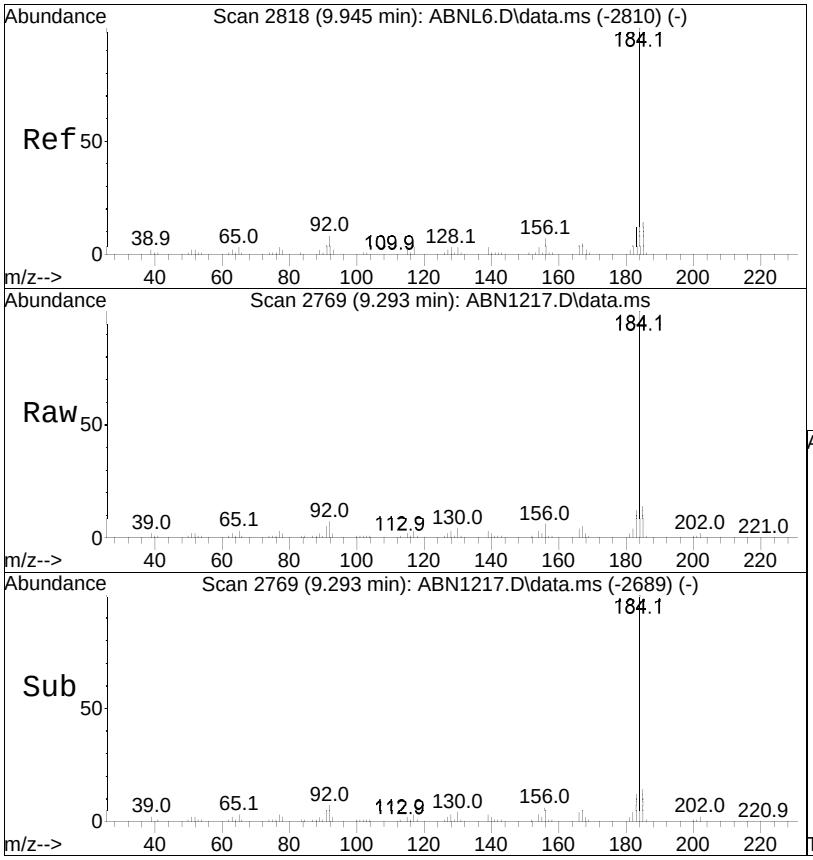


#95
Fluoranthene
Concen: 4.49 ug/ml
RT: 9.110 min Scan# 2710
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:202 Resp: 249147

Ion	Ratio	Lower	Upper
202	100		
101	11.1	13.5	20.3#
203	17.4	13.6	20.4

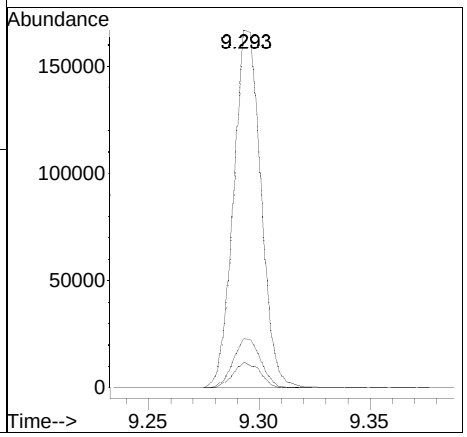


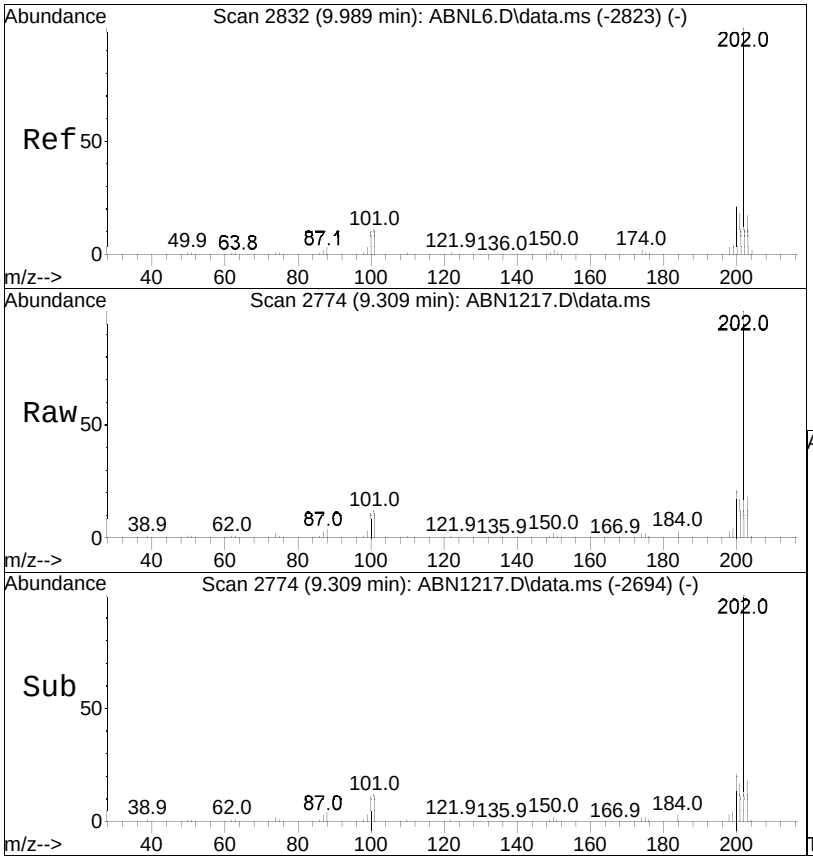


#96
Benzidine
Concen: 4.74 ug/ml
RT: 9.293 min Scan# 2769
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:184 Resp: 142735

Ion	Ratio	Lower	Upper
184	100		
92	7.1	9.1	13.7#
185	13.9	11.1	16.7

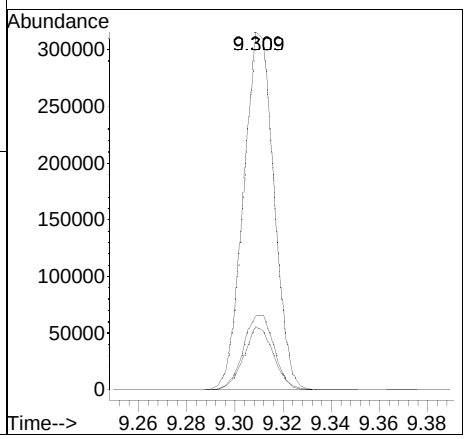


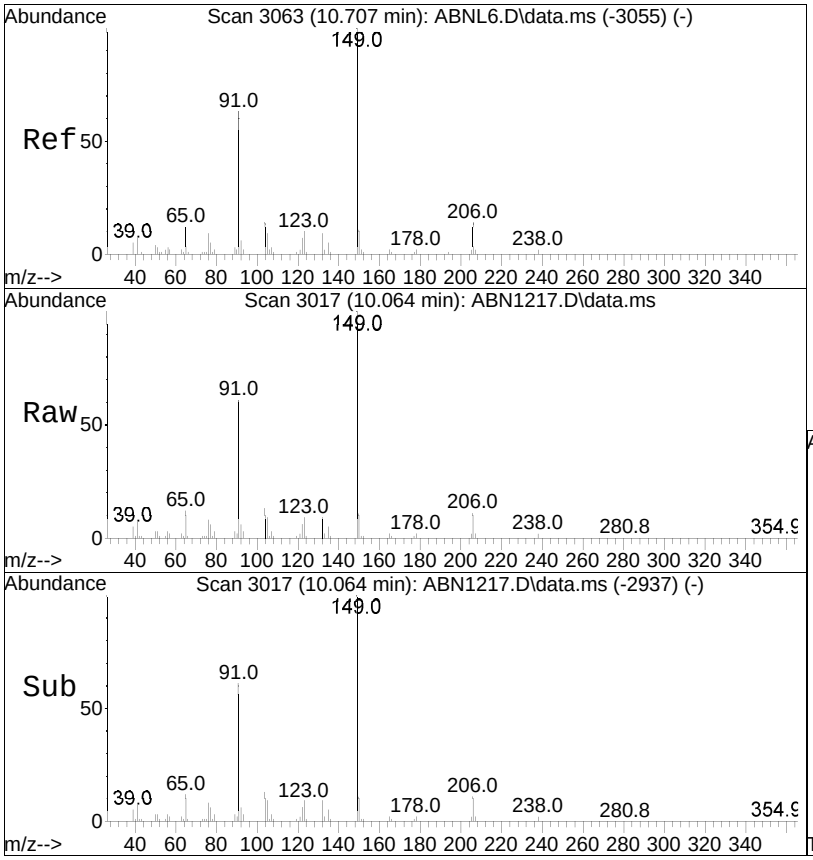


#97
Pyrene
Concen: 4.64 ug/ml
RT: 9.309 min Scan# 2774
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:202 Resp: 274614

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.5	14.2	21.4

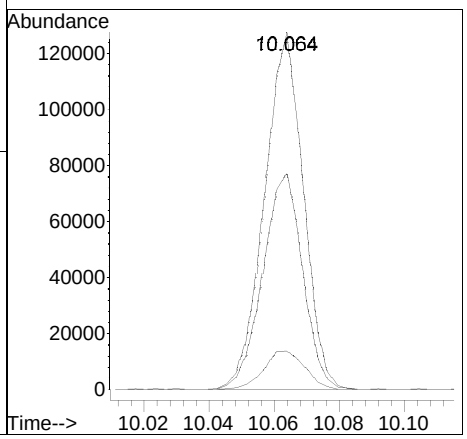


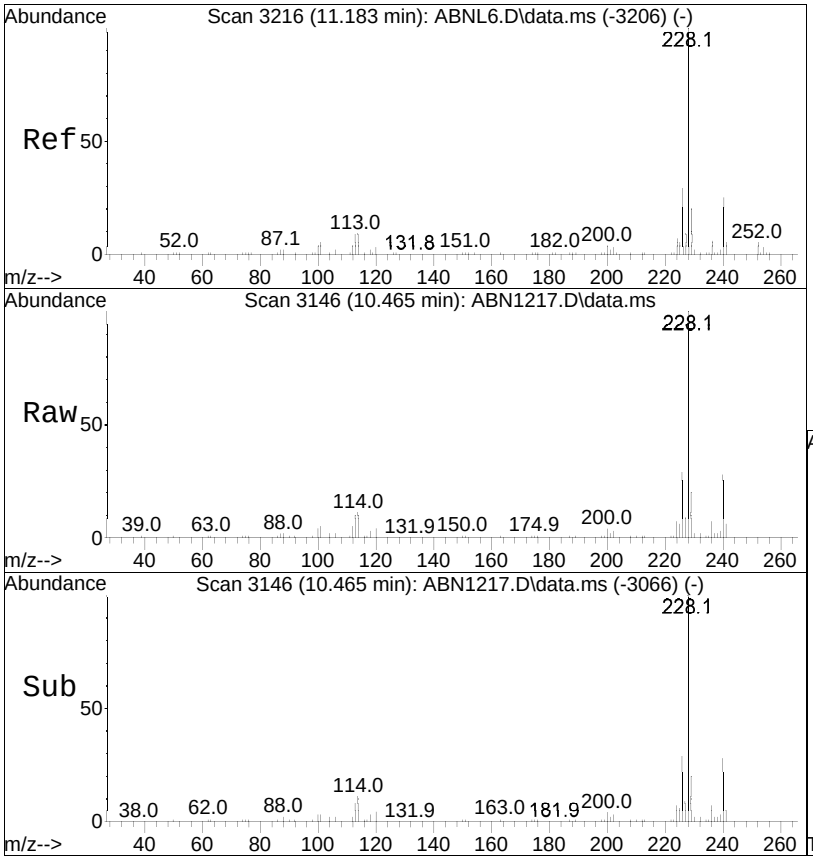


#99
Butyl benzyl phthalate
Concen: 5.20 ug/ml
RT: 10.064 min Scan# 3017
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:149 Resp: 104709

Ion	Ratio	Lower	Upper
149	100		
91	62.2	63.3	94.9#
206	11.6	13.9	20.9#

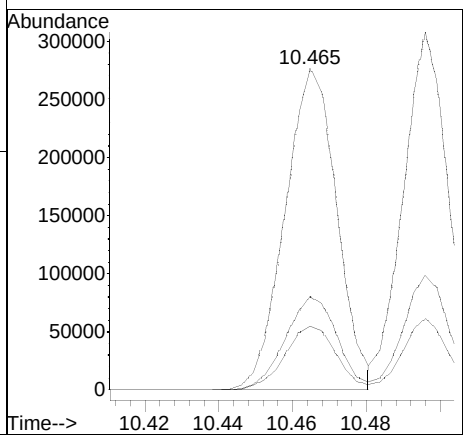


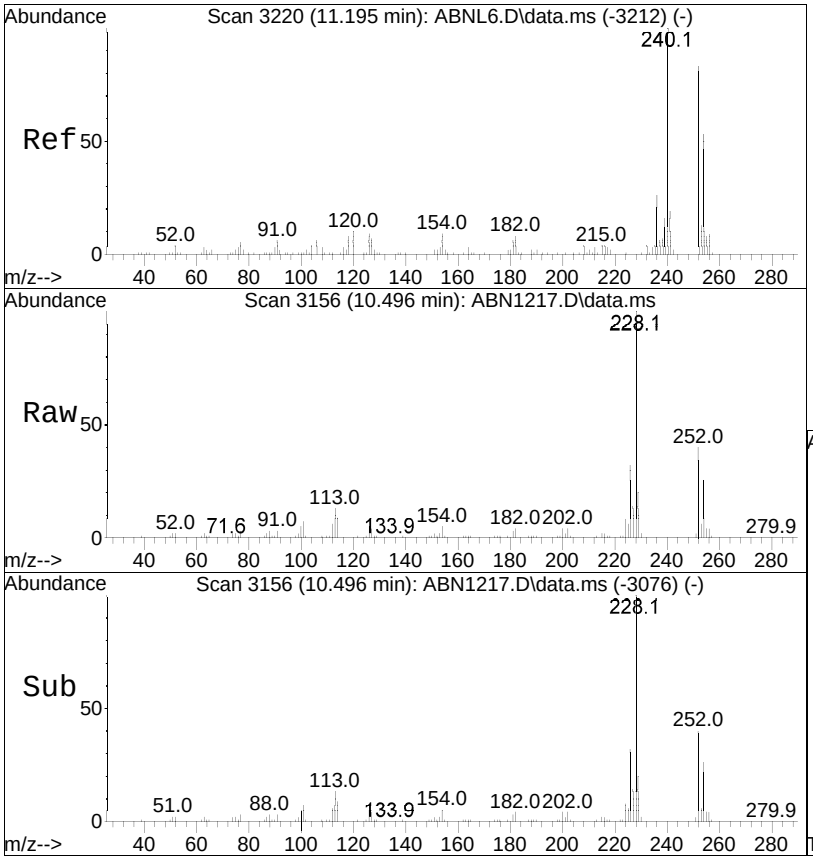


#107
Benzo(a)anthracene
Concen: 4.54 ug/ml
RT: 10.465 min Scan# 3146
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:228 Resp: 269241

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.4
229	19.7	15.6	23.4

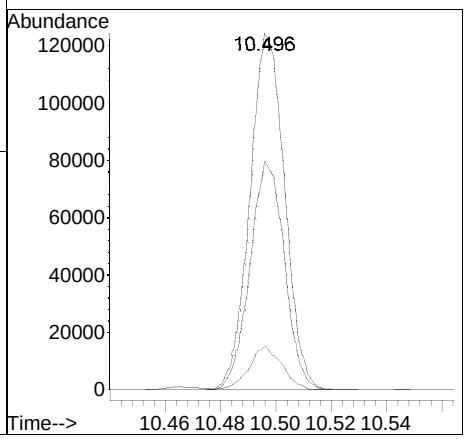


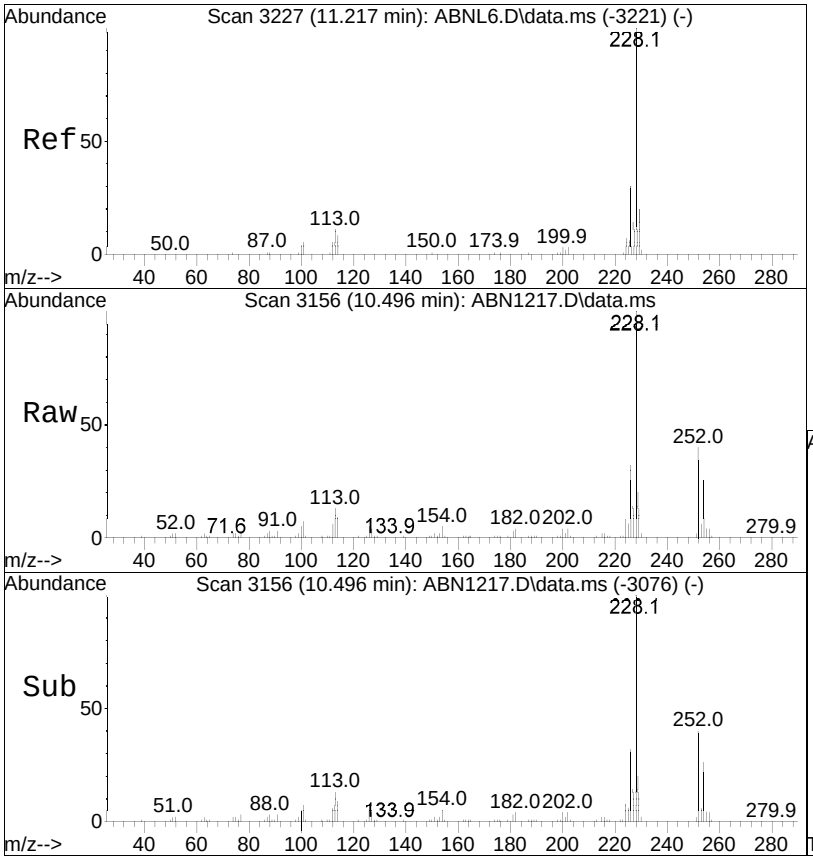


#108
3,3'-Dichlorobenzidine
Concen: 4.87 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:252 Resp: 107593

Ion	Ratio	Lower	Upper
252	100		
126	11.6	14.5	21.7#
254	63.5	51.2	76.8

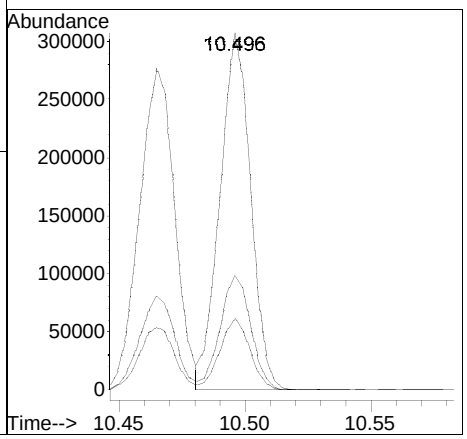


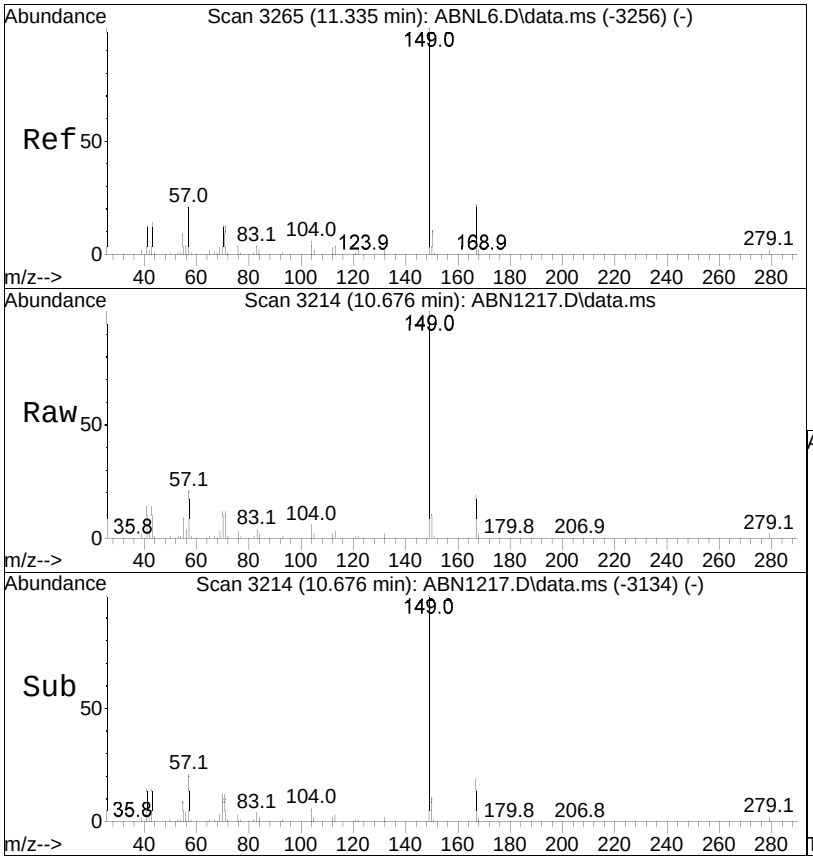


#109
Chrysene
Concen: 4.41 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:228 Resp: 260112

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	19.6	15.8	23.8

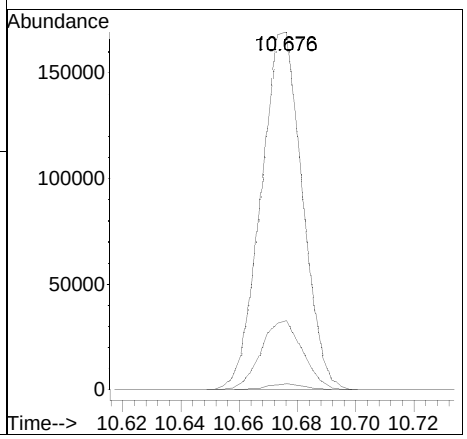


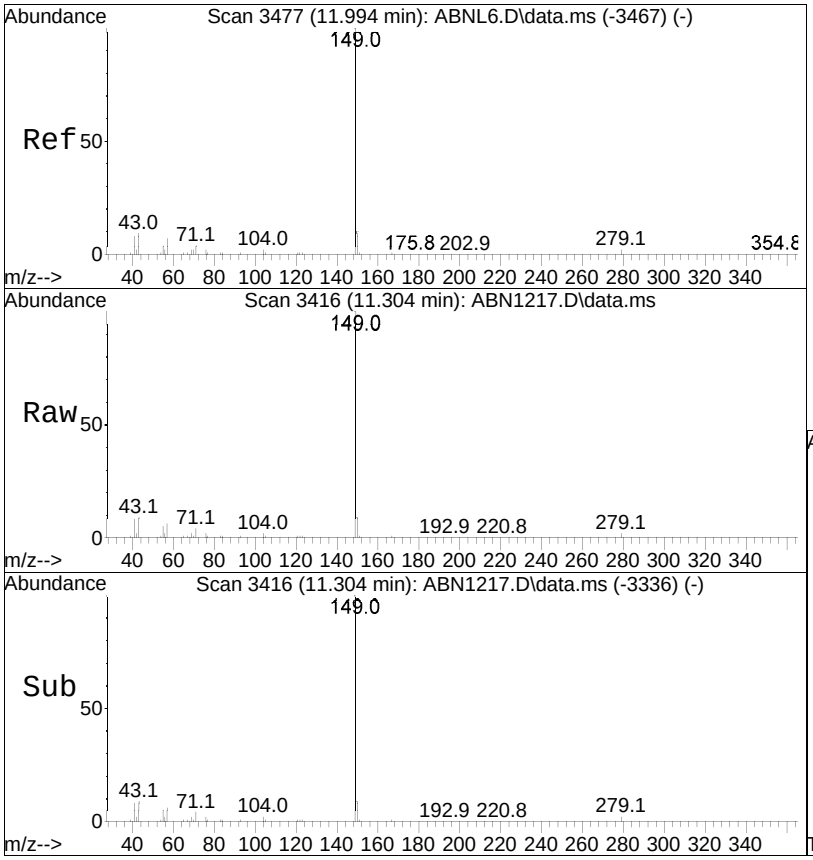


#110
Bis(2-ethylhexyl)phthalate
Concen: 5.21 ug/ml
RT: 10.676 min Scan# 3214
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:149 Resp: 165444

Ion	Ratio	Lower	Upper
149	100		
167	19.7	22.1	33.1#
279	1.5	3.0	4.4#

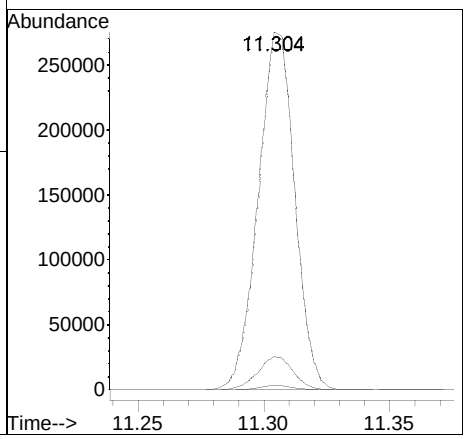


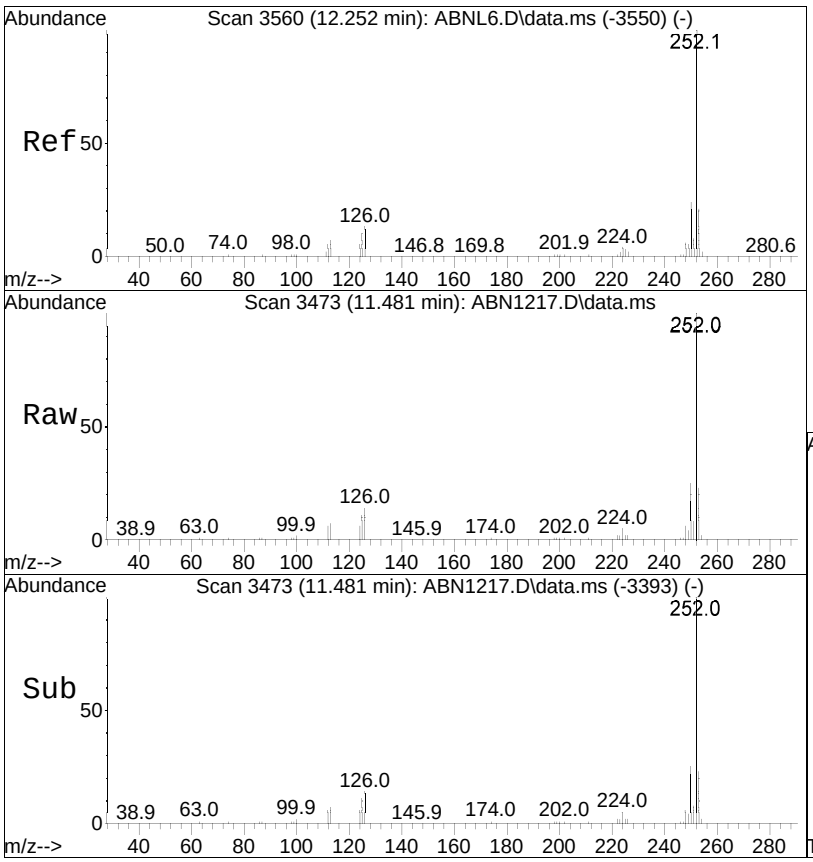


#111
Di-n-octylphthalate
Concen: 5.18 ug/ml
RT: 11.304 min Scan# 3416
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:149 Resp: 274398

Ion	Ratio	Lower	Upper
149	100		
43	9.1	18.8	28.2#
167	1.1	1.3	1.9#

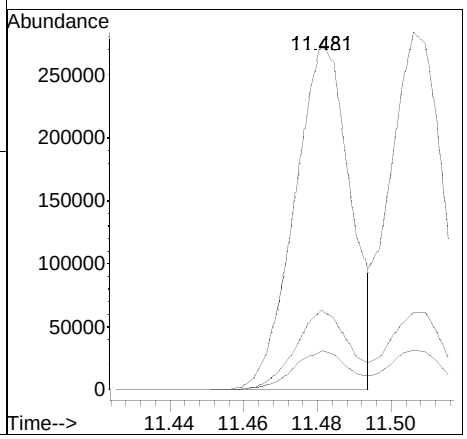


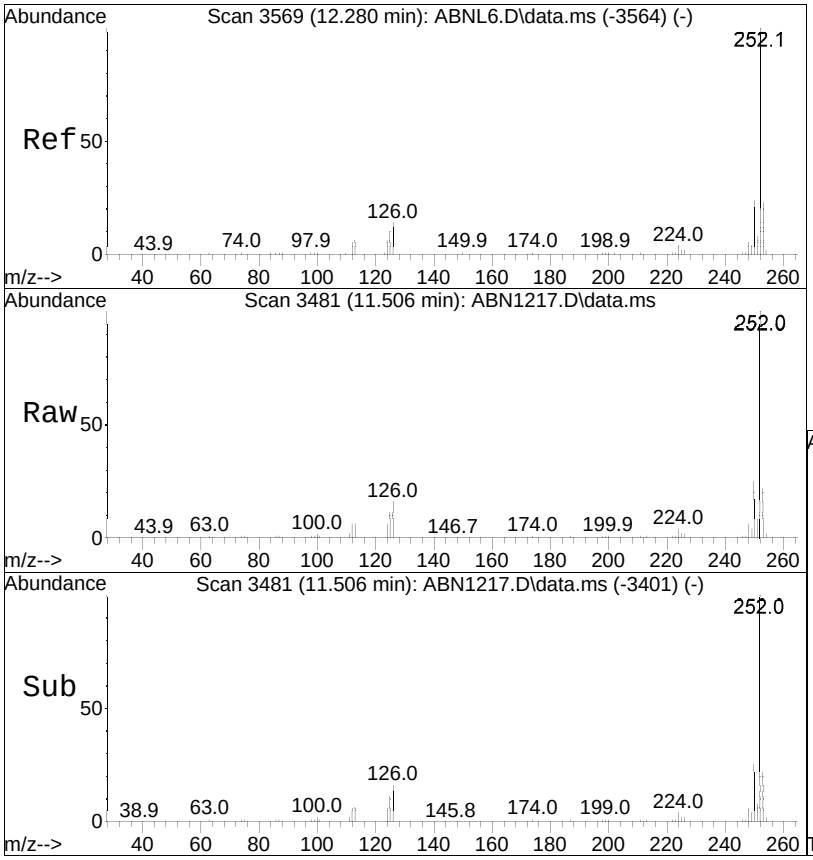


#112
Benzo(b)fluoranthene
Concen: 4.69 ug/ml
RT: 11.481 min Scan# 3473
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:252 Resp: 291199

Ion	Ratio	Lower	Upper
252	100		
125	11.3	13.3	19.9#
253	22.2	17.1	25.7

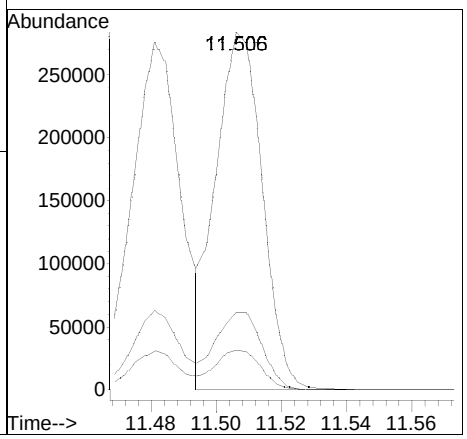


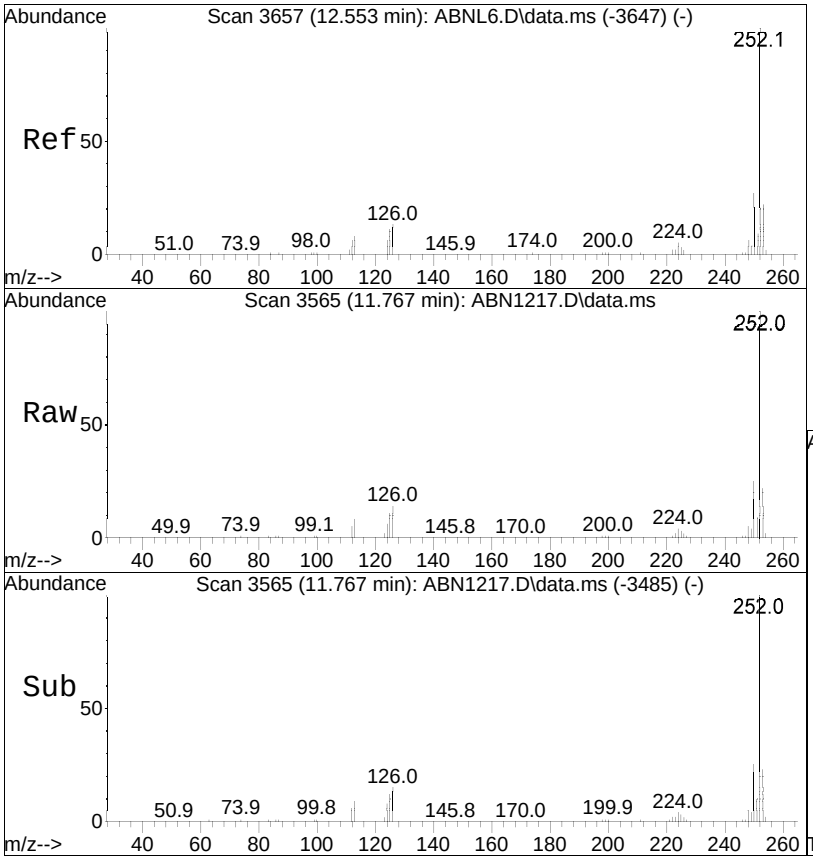


#113
Benzo(k)fluoranthene
Concen: 4.62 ug/ml
RT: 11.506 min Scan# 3481
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:252 Resp: 279657

Ion	Ratio	Lower	Upper
252	100		
125	11.2	13.0	19.6#
253	21.9	16.8	25.2

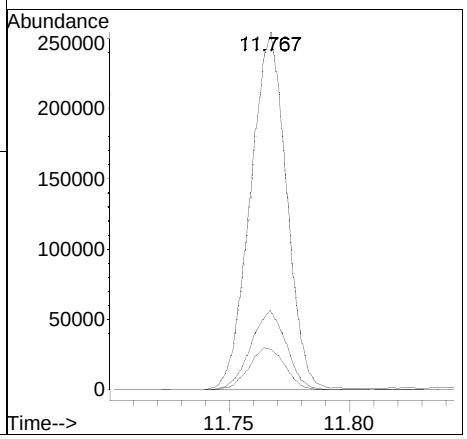


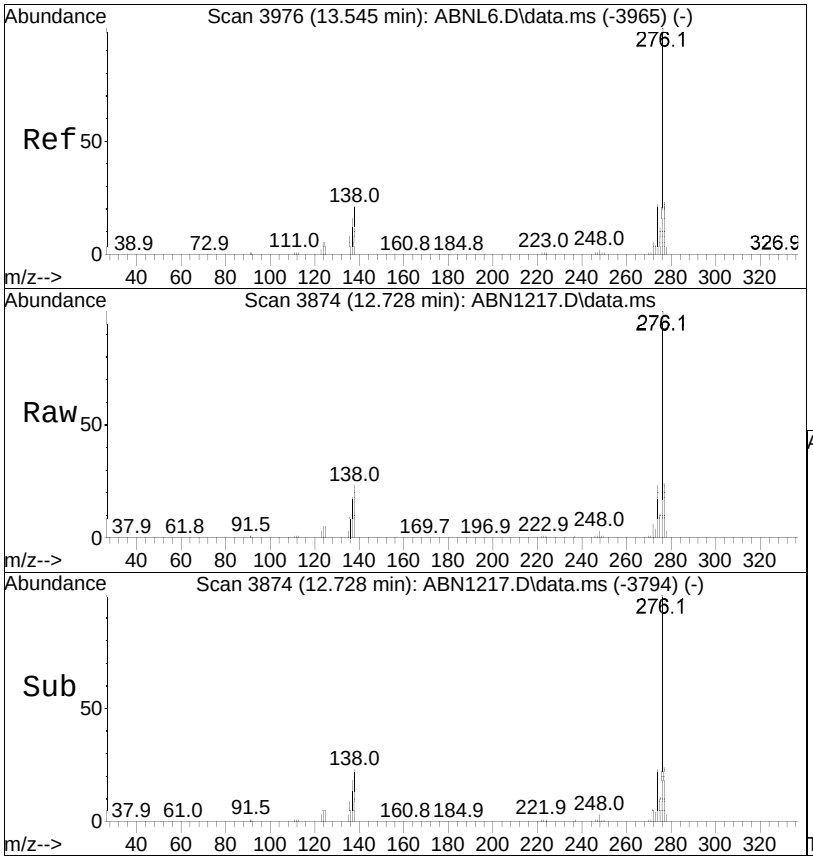


#114
Benzo(a)pyrene
Concen: 4.76 ug/ml
RT: 11.767 min Scan# 3565
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:252 Resp: 263566

Ion	Ratio	Lower	Upper
252	100		
125	12.0	14.2	21.2#
253	22.1	16.9	25.3

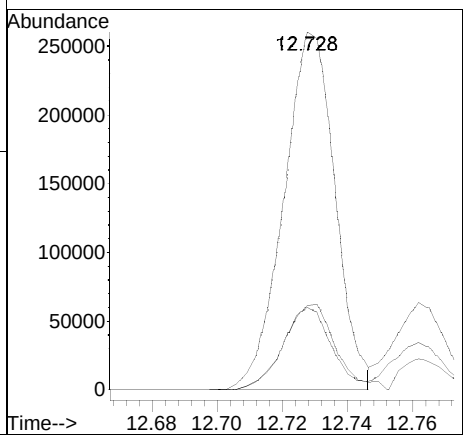


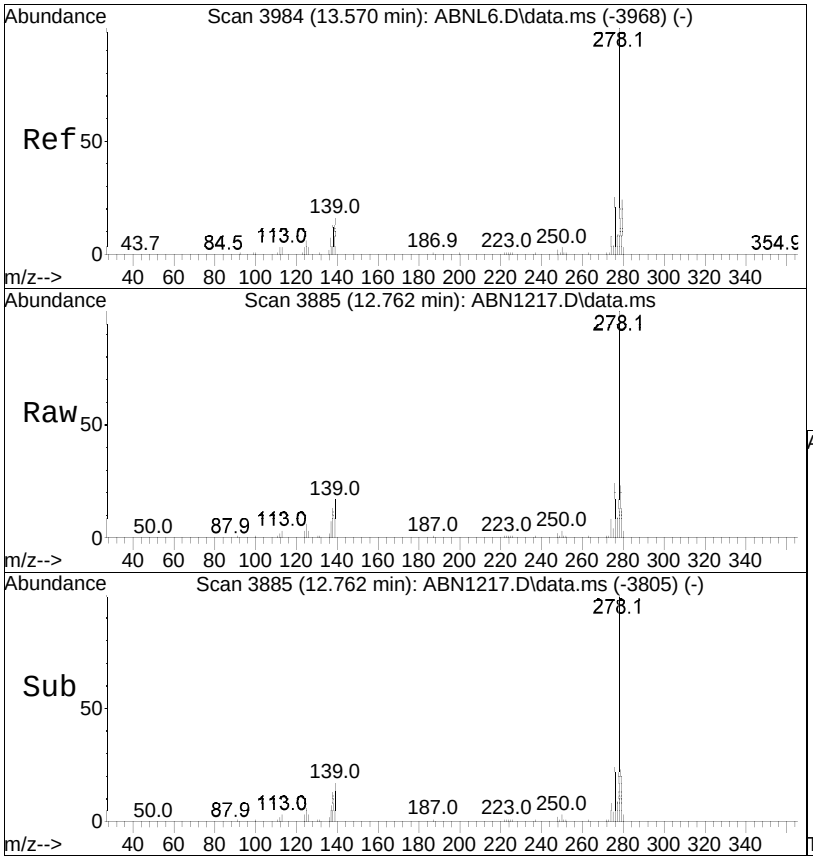


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.48 ug/mL
RT: 12.728 min Scan# 3874
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:276 Resp: 283532

Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.1	37.7#
277	24.3	18.6	28.0

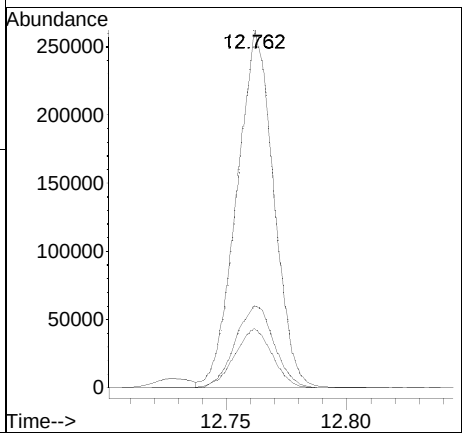


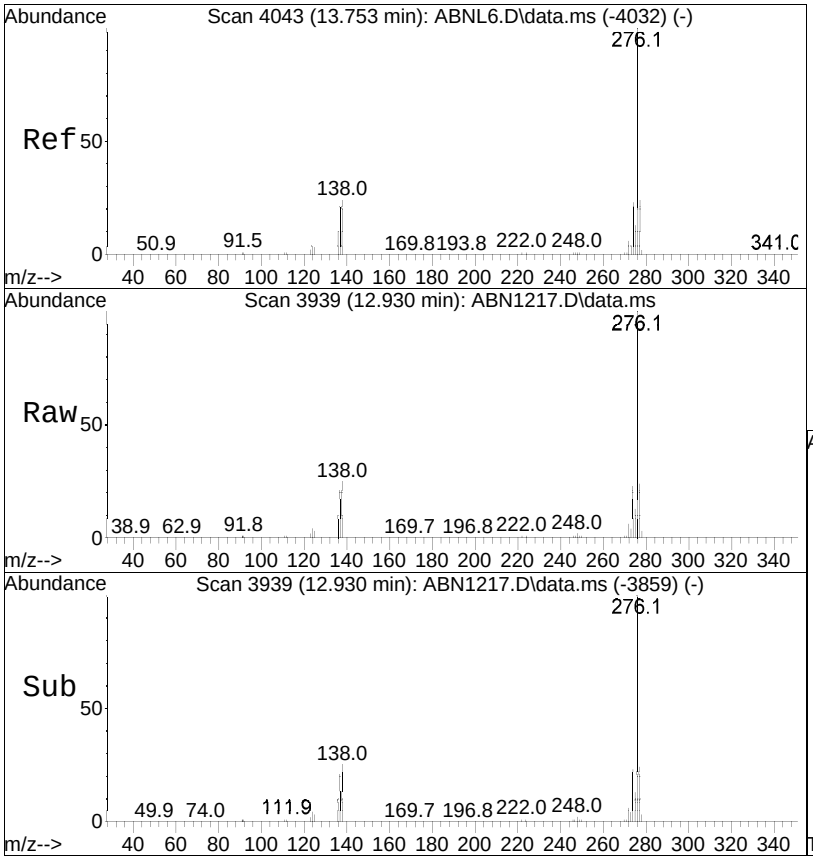


#117
Dibenzo(a,h)anthracene
Concen: 4.47 ug/ml
RT: 12.762 min Scan# 3885
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:278 Resp: 278076

Ion	Ratio	Lower	Upper
278	100		
139	17.0	20.8	31.2#
279	24.5	18.3	27.5

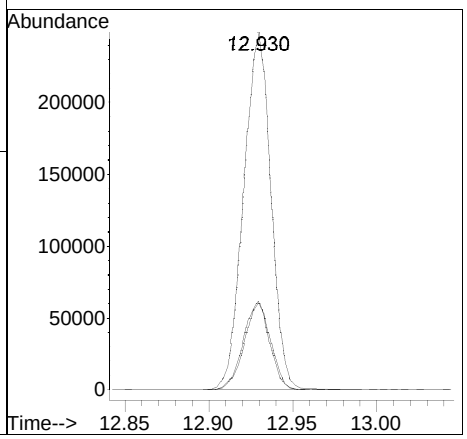




#118
Benzo(ghi)perylene
Concen: 4.55 ug/ml
RT: 12.930 min Scan# 3939
Delta R.T. 0.000 min
Lab File: ABN1217.D
Acq: 17 Dec 2024 8:16 pm

Tgt Ion:276 Resp: 278202

Ion	Ratio	Lower	Upper
276	100		
138	24.0	29.2	43.8#
277	23.7	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1217.D	Operator	: Dakota:ljg
Date Inj'd	: 12/17/2024 8:16 pm	Instrument	: Dakota
Sample	: WG2009957-3,32,,ABN RVT CC	Quant Date	: 12/17/2024 9:00 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : AP91217.D
Acq On : 17 Dec 2024 8:39 pm
Operator : Dakota:ljg
Sample : WG2009957-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2009957,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 17 21:07:42 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:09:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
28	T	Benzaldehyde	0.703	0.781	-11.1	93	0.00
29	T	Acetophenone	1.403	1.589	-13.3	99	0.00
30	T	m-Toluidine	1.287	1.401	-8.9	96	0.00
31	T	2-Chloroaniline	1.368	1.558	-13.9	99	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	100	0.00
58	T	a-Terpineol	0.221	0.250	-13.1	107	0.00
59	T	3-Chloroaniline	0.115	0.130	-13.0	104	0.00
60	T	2,6-Dichlorophenol	0.296	0.323	-9.1	102	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.128	-13.3	102	0.00
62	T	Caprolactam	0.123	0.142	-15.4	112	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.411	0.5	95	0.00
64	T	Biphenyl	0.842	0.878	-4.3	98	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	101	0.00
86	T	Dichloran	0.169	0.181	-7.1	110	0.00
87	T	Pentachloronitrobenzene	0.187	0.208	-11.2	116	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	105	0.00
101	T	Diphenamid	0.416	0.447	-7.5	108	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : AP91217.D
Acq On : 17 Dec 2024 8:39 pm
Operator : Dakota:ljg
Sample : WG2009957-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2009957,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 17 21:07:42 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:09:14 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	3.636	152	25773	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	4.895	136	99018	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	6.577	164	64706	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	7.966	188	149565	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.170	105	25159	5.551	ug/ml		97
29)	Acetophenone	4.075	105	51198	5.662	ug/ml	#	79
30)	m-Toluidine	4.165	106	45121	5.442	ug/ml		97
31)	2-Chloroaniline	4.522	127	50198	5.695	ug/ml	#	92
58)	a-Terpineol	4.985	59	31005	5.657	ug/ml	#	85
59)	3-Chloroaniline	4.998	65	16035	5.653	ug/ml		99
60)	2,6-Dichlorophenol	5.016	162	39974	5.464	ug/ml	#	83
61)	1-chloro-2-nitrobenzene	5.268	111	15881	5.655	ug/ml	#	1
62)	Caprolactam	5.309	55	17563	5.773	ug/ml	#	79
63)	1,2,4,5-Tetrachloroben...	5.765	216	50917	4.981	ug/ml	#	95
64)	Biphenyl	6.061	154	108730	5.219	ug/ml		97
86)	Dichloran	7.699	206	14637	5.355	ug/ml	#	61
87)	Pentachloronitrobenzene	7.839	237	16792	5.564	ug/ml	#	79
101)	Diphenamid	8.902	167	83652	5.379	ug/ml	#	78

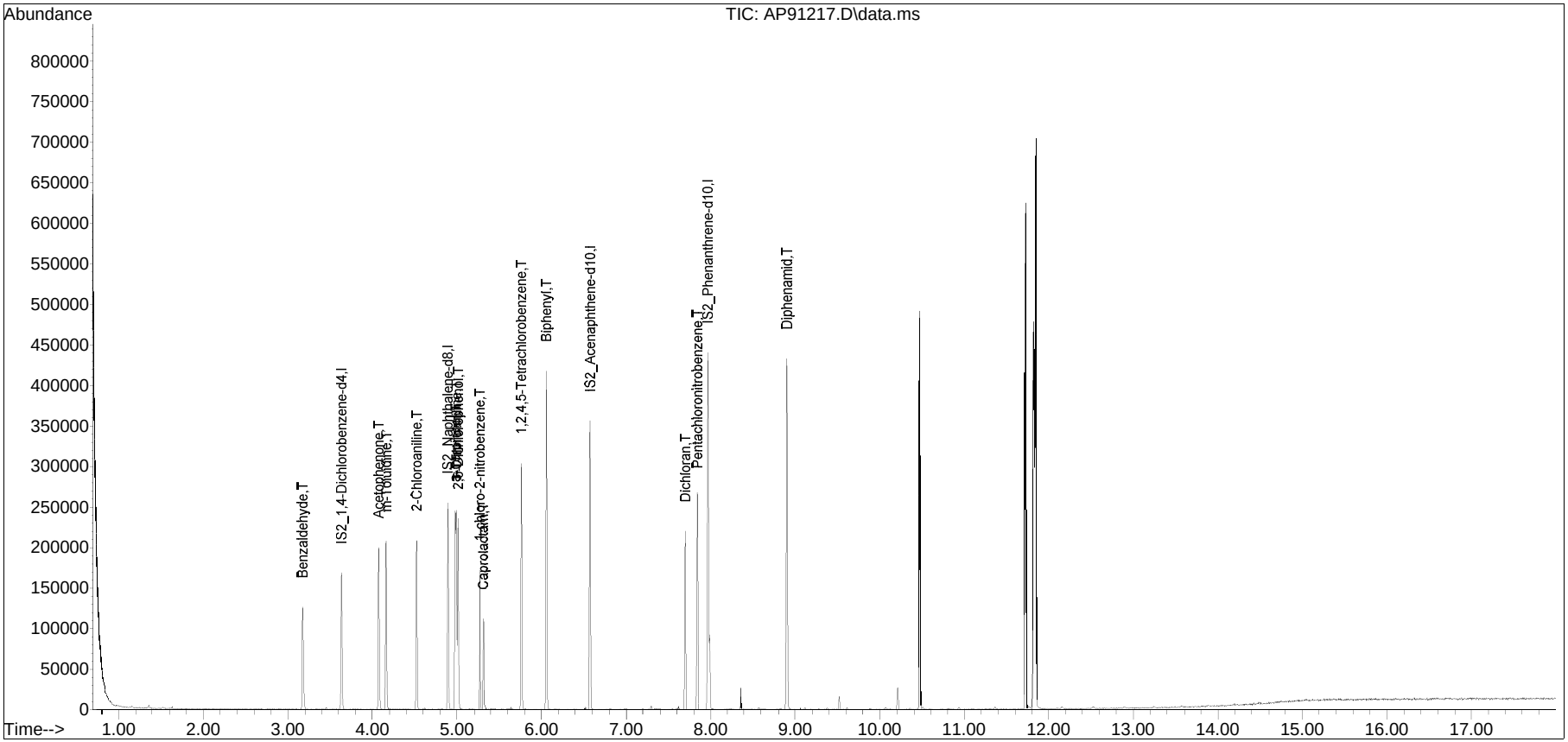
(#) = qualifier out of range (m) = manual integration (+) = signals summed

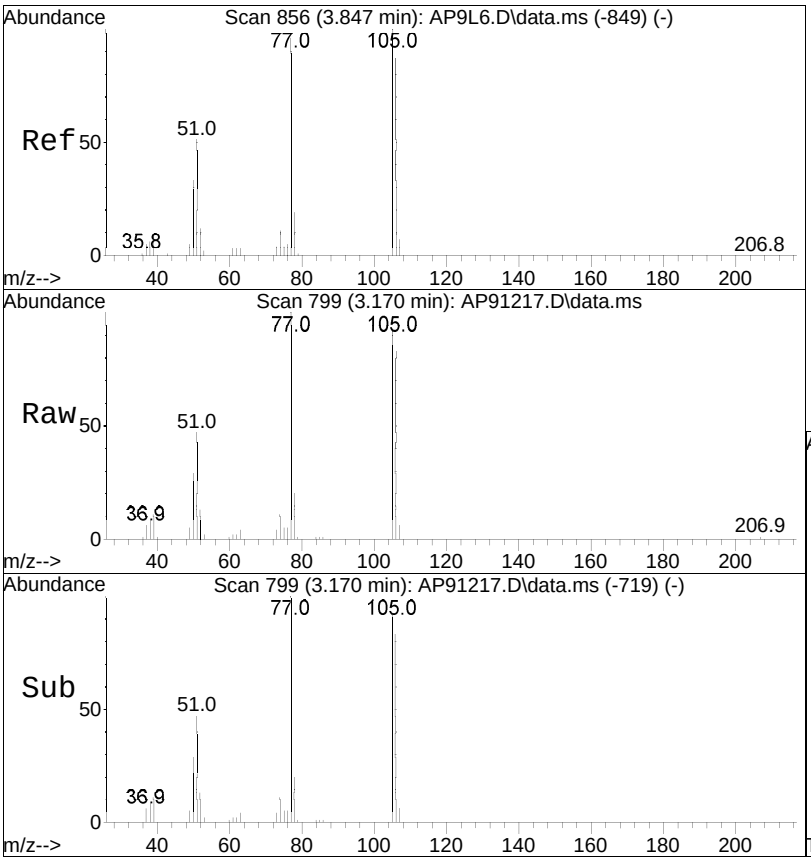
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : AP91217.D
Acq On : 17 Dec 2024 8:39 pm
Operator : Dakota:ljg
Sample : WG2009957-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2009957,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 17 21:07:42 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:09:14 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

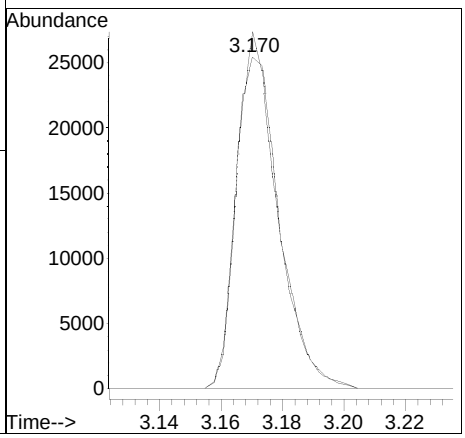


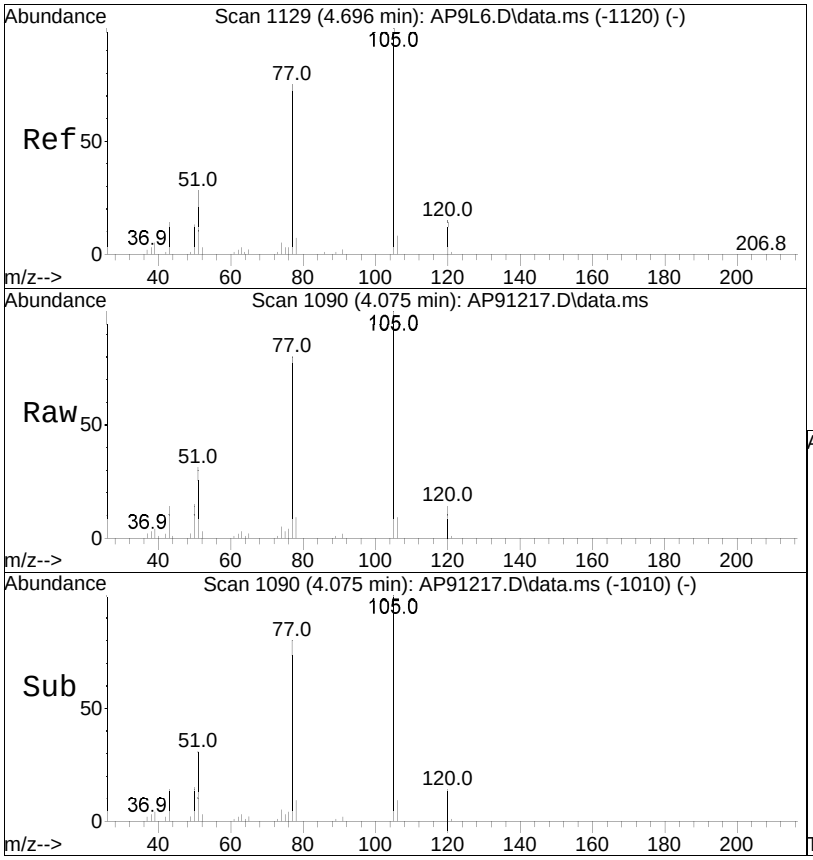


#28
Benzaldehyde
Concen: 5.55 ug/ml
RT: 3.170 min Scan# 799
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:105 Resp: 25159

Ion	Ratio	Lower	Upper
105	100		
77	99.9	82.2	123.4

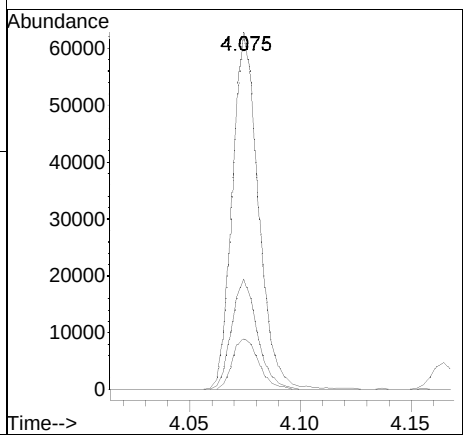


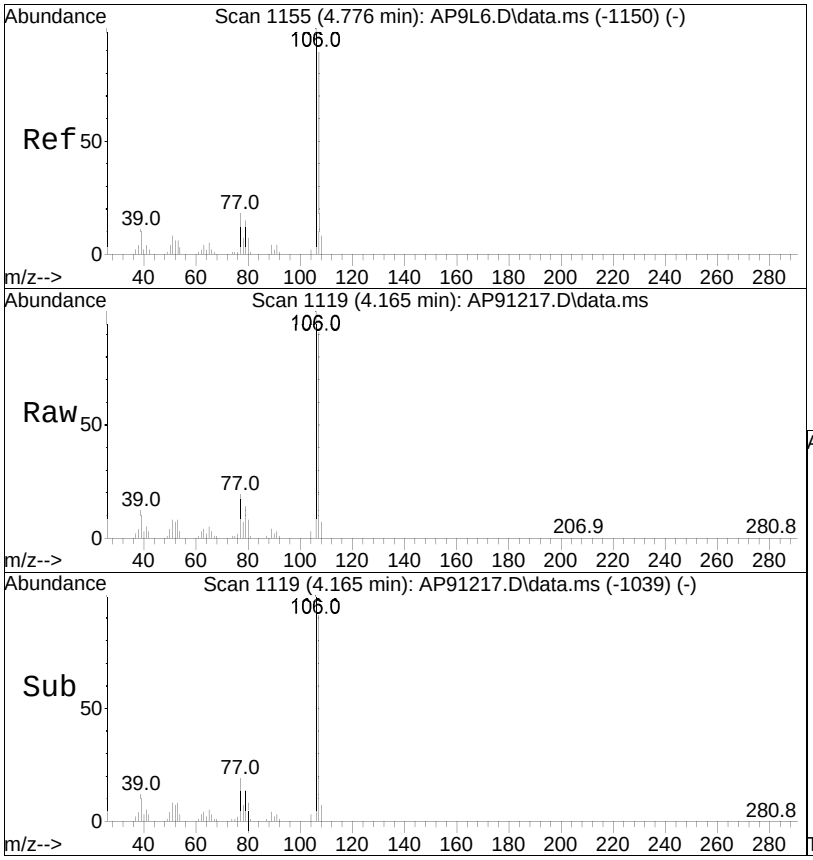


#29
Acetophenone
Concen: 5.66 ug/ml
RT: 4.075 min Scan# 1090
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:105 Resp: 51198

Ion	Ratio	Lower	Upper
105	100		
120	14.4	20.5	30.7#
51	30.4	34.9	52.3#

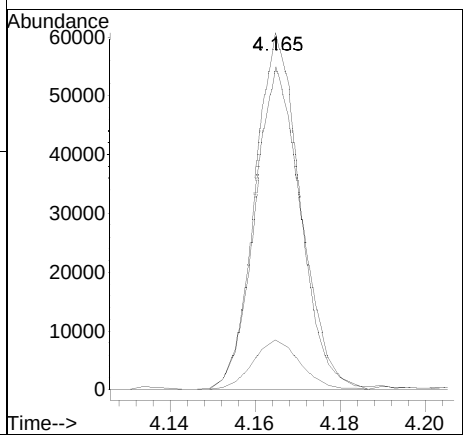


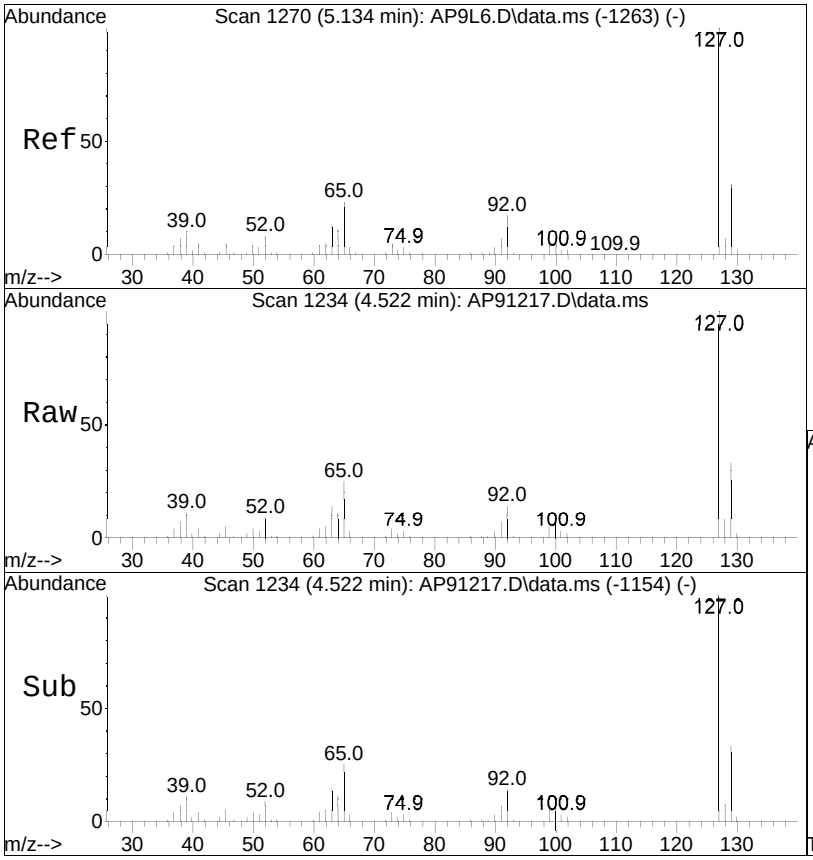


#30
m-Toluidine
Concen: 5.44 ug/ml
RT: 4.165 min Scan# 1119
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:106 Resp: 45121

Ion	Ratio	Lower	Upper
106	100		
107	91.2	75.7	113.5
79	14.5	11.8	17.8

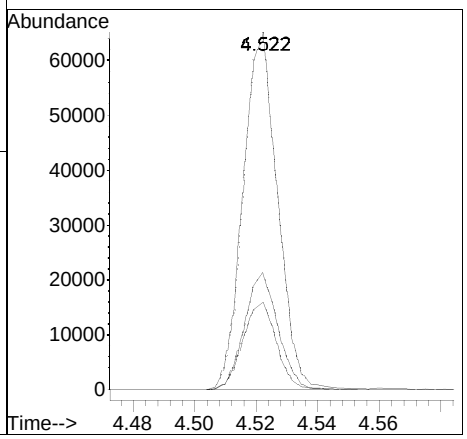


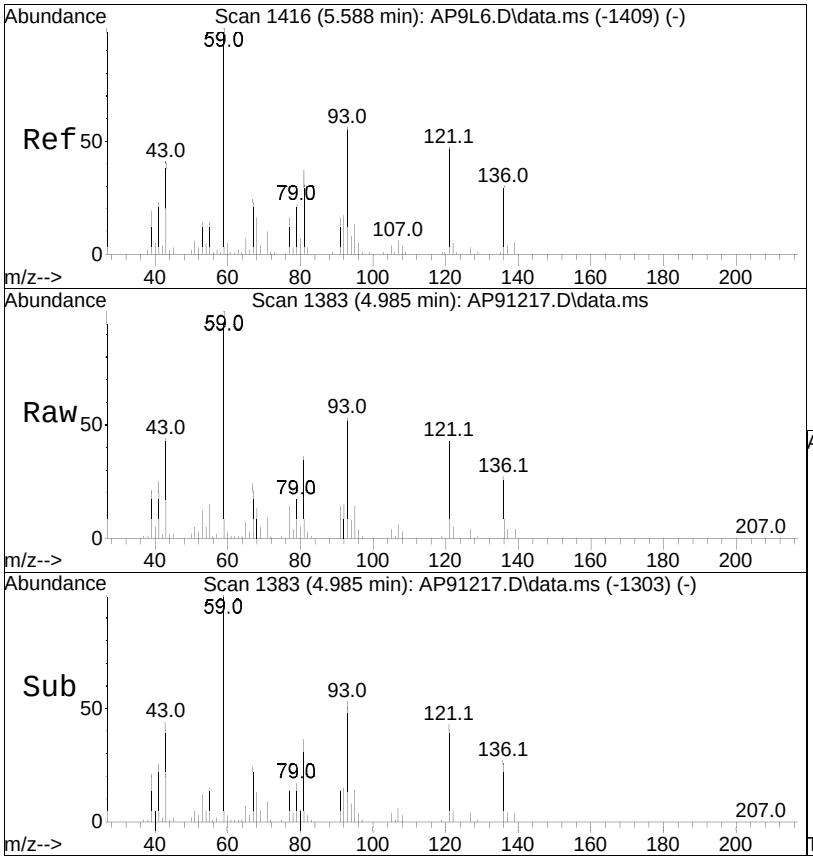


#31
2-Chloroaniline
Concen: 5.70 ug/ml
RT: 4.522 min Scan# 1234
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:127 Resp: 50198

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	24.0	26.3	39.5#

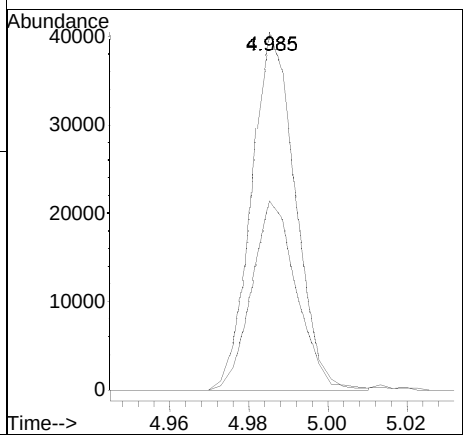


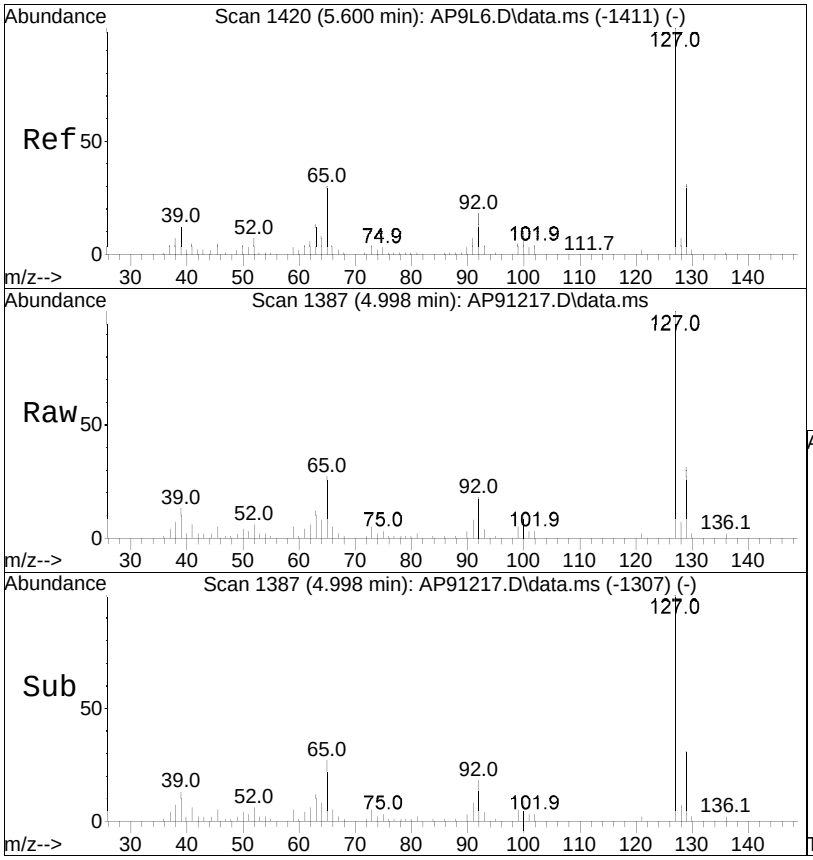


#58
a-Terpineol
Concen: 5.66 ug/ml
RT: 4.985 min Scan# 1383
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion: 59 Resp: 31005

Ion	Ratio	Lower	Upper
59	100		
93	54.3	35.6	53.4#

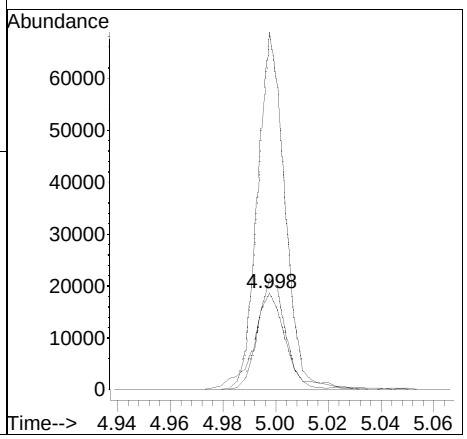


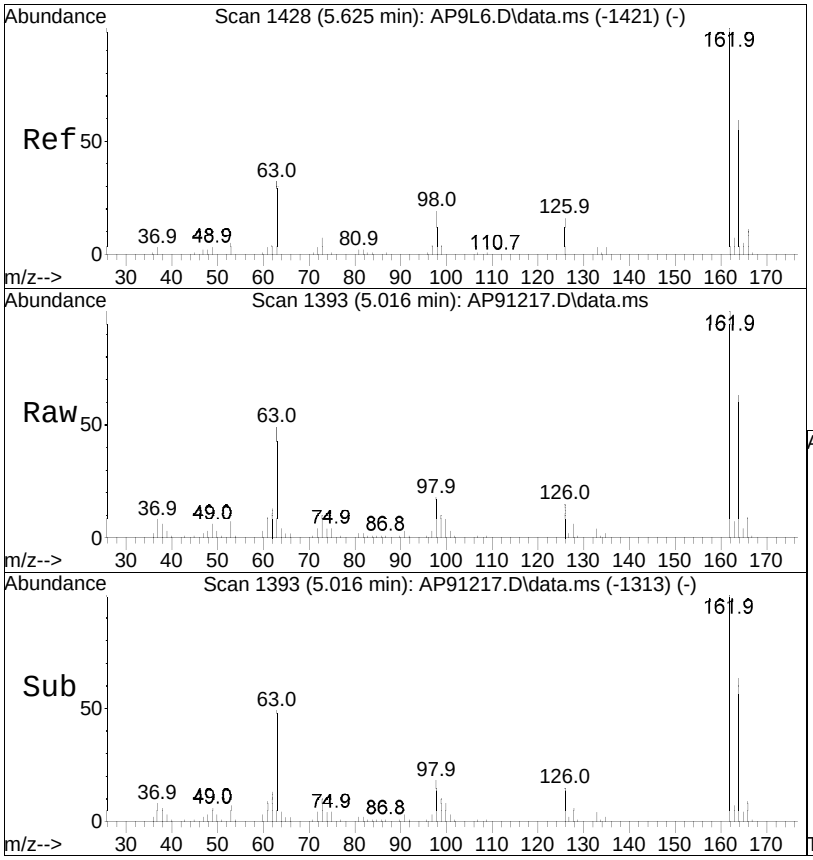


#59
3-Chloroaniline
Concen: 5.65 ug/ml
RT: 4.998 min Scan# 1387
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion: 65 Resp: 16035

Ion	Ratio	Lower	Upper
65	100		
127	306.3	243.2	364.8
129	96.7	78.8	118.2

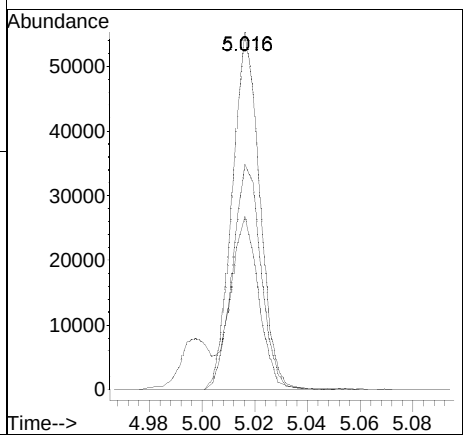


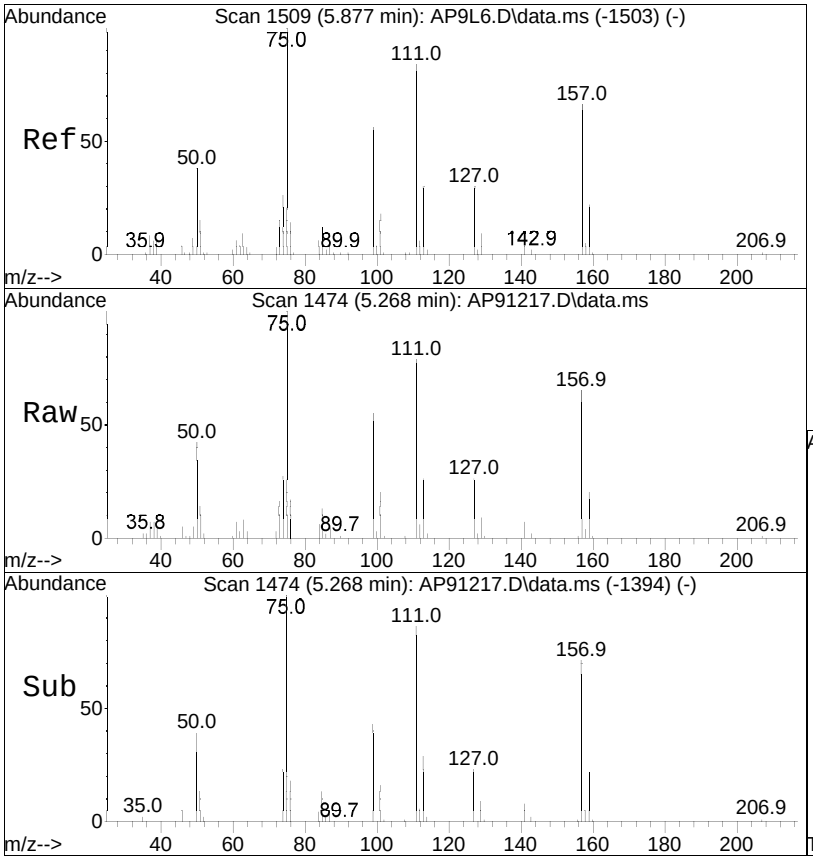


#60
2,6-Dichlorophenol
Concen: 5.46 ug/ml
RT: 5.016 min Scan# 1393
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:162 Resp: 39974

Ion	Ratio	Lower	Upper
162	100		
164	65.3	51.1	76.7
63	49.7	60.8	91.2#

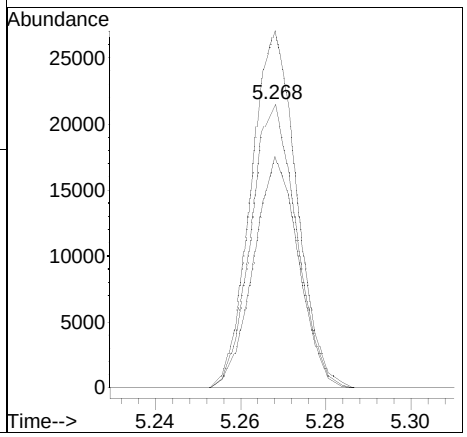


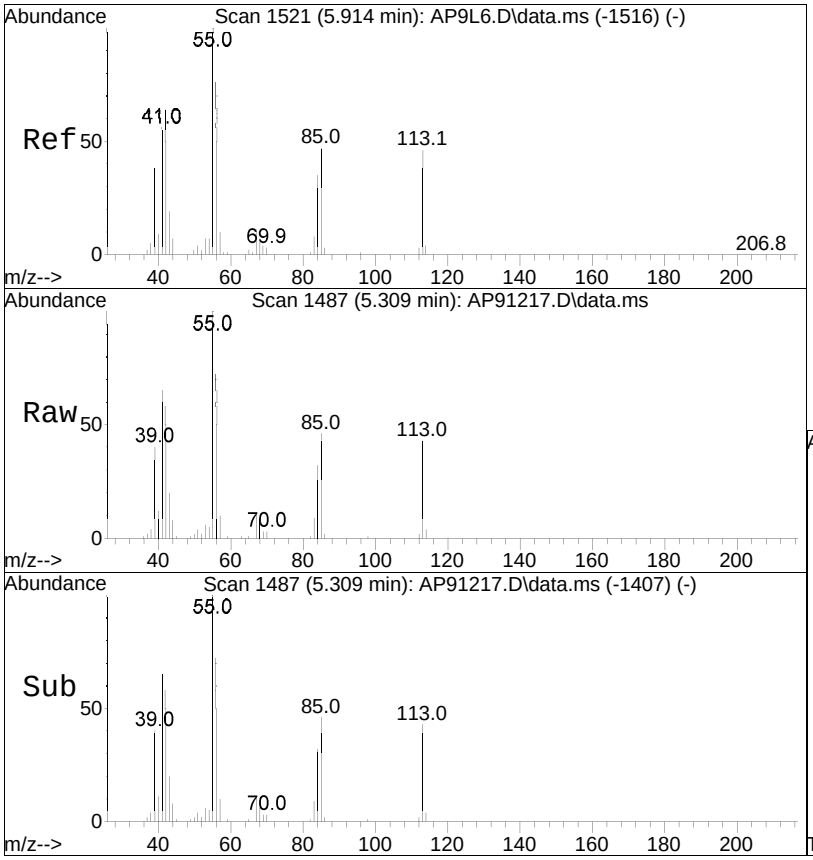


#61
1-chloro-2-nitrobenzene
Concen: 5.66 ug/ml
RT: 5.268 min Scan# 1474
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:111 Resp: 15881

Ion	Ratio	Lower	Upper
111	100		
157	80.5	0.0	0.0#
75	126.4	28.2	42.2#

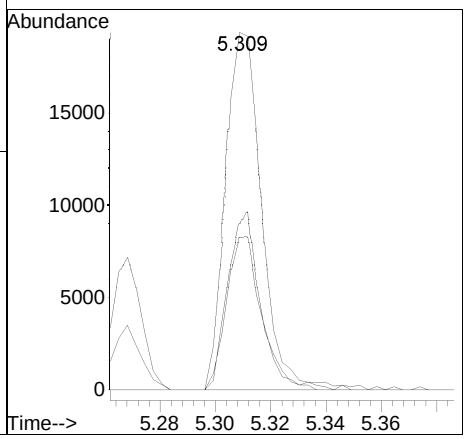


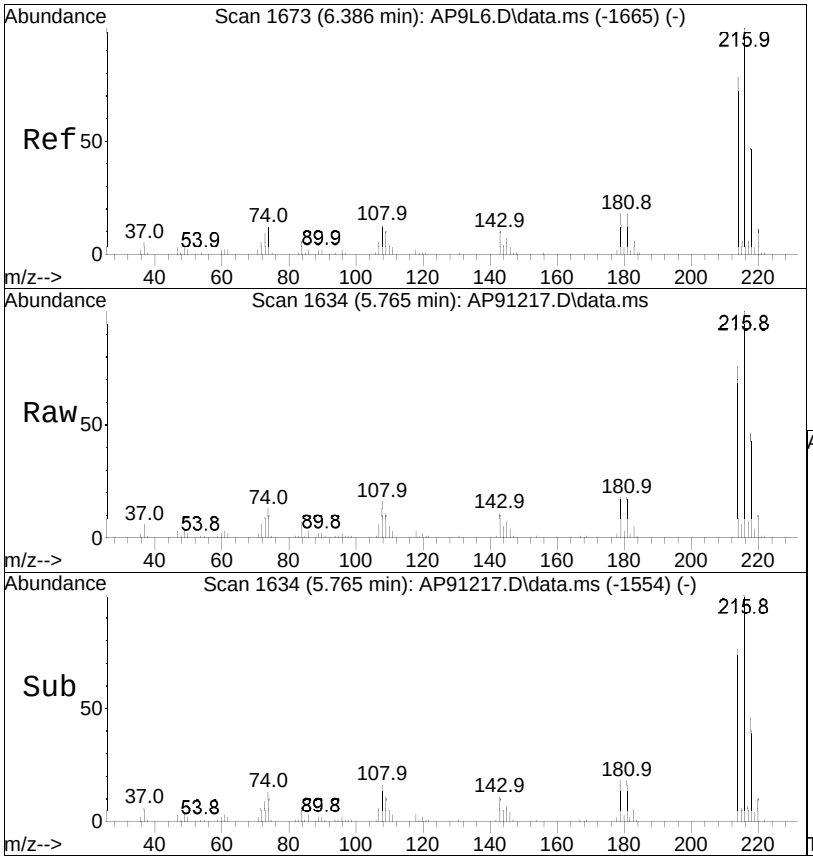


#62
Caprolactam
Concen: 5.77 ug/ml
RT: 5.309 min Scan# 1487
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion: 55 Resp: 17563

Ion	Ratio	Lower	Upper
55	100		
85	45.1	19.8	29.6#
113	41.8	29.6	44.4

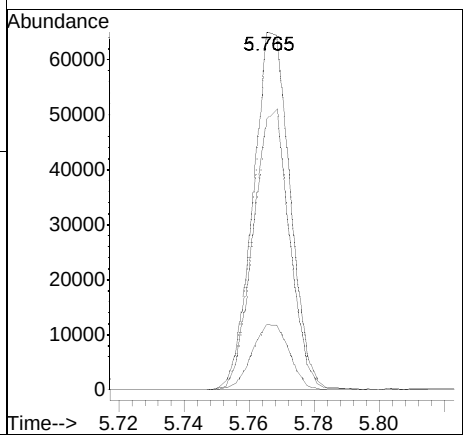


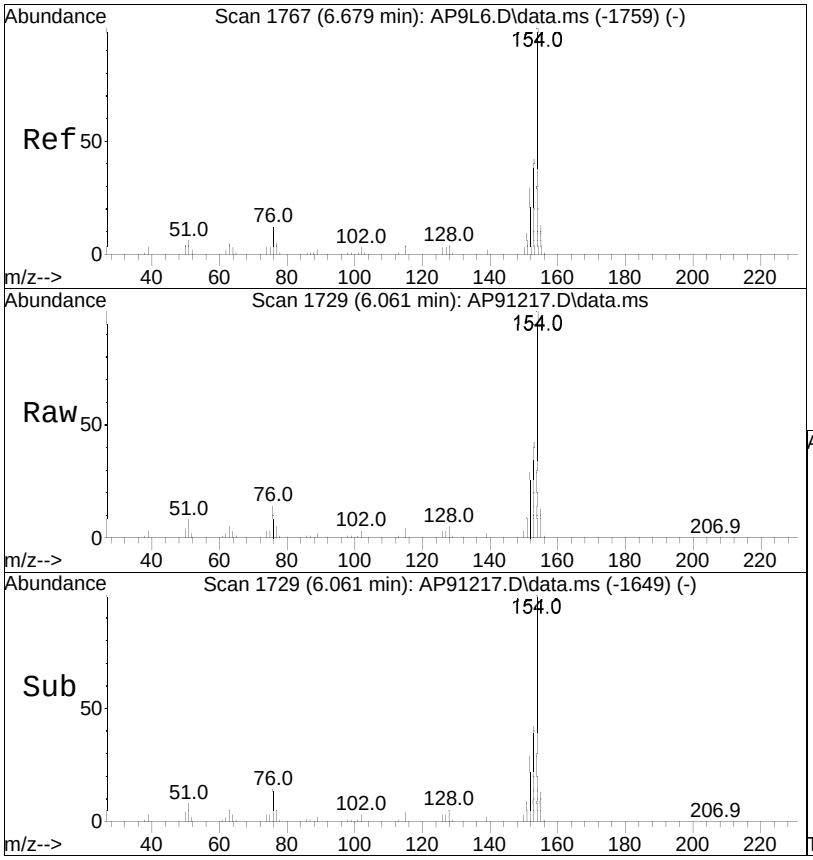


#63
1,2,4,5-Tetrachlorobenzene
Concen: 4.98 ug/ml
RT: 5.765 min Scan# 1634
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:216 Resp: 50917

Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.7	95.5
179	18.6	19.0	28.6#

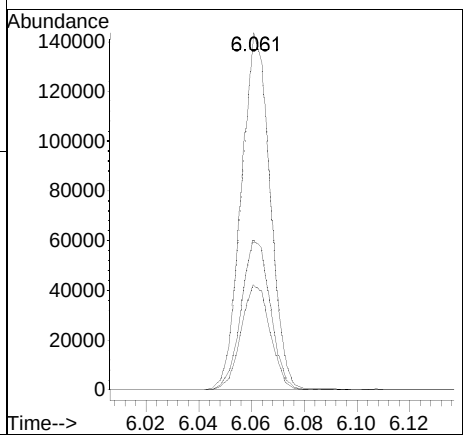


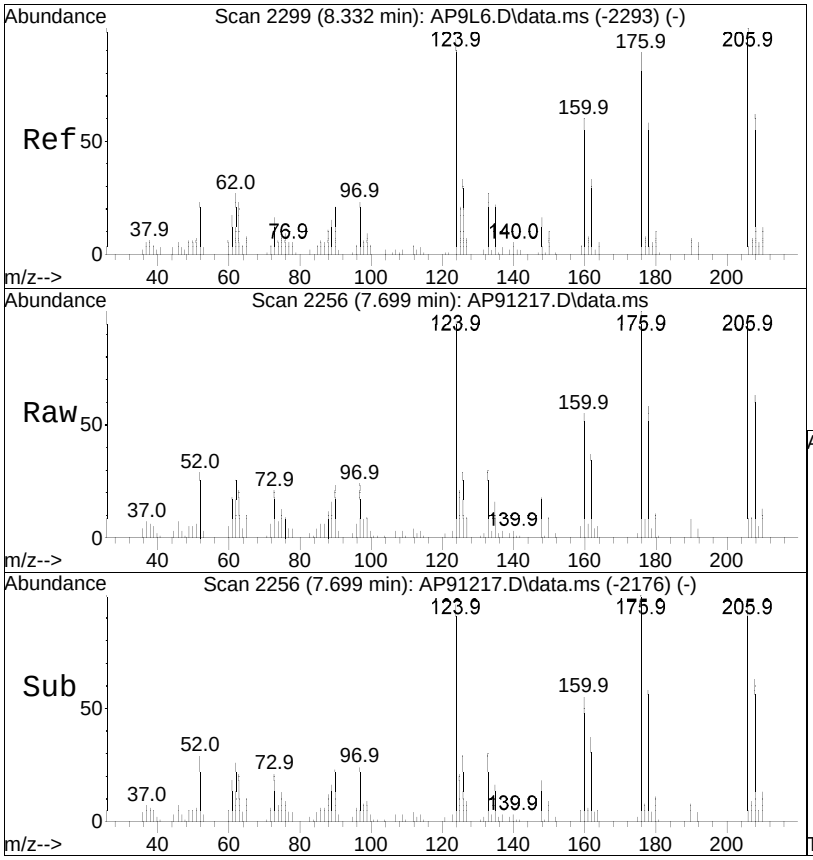


#64
Biphenyl
Concen: 5.22 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:154 Resp: 108730

Ion	Ratio	Lower	Upper
154	100		
153	42.4	32.3	48.5
152	29.8	22.5	33.7

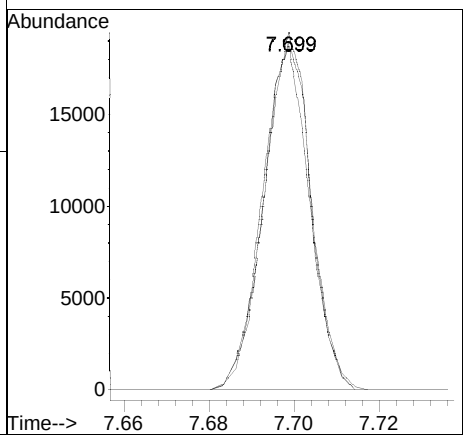


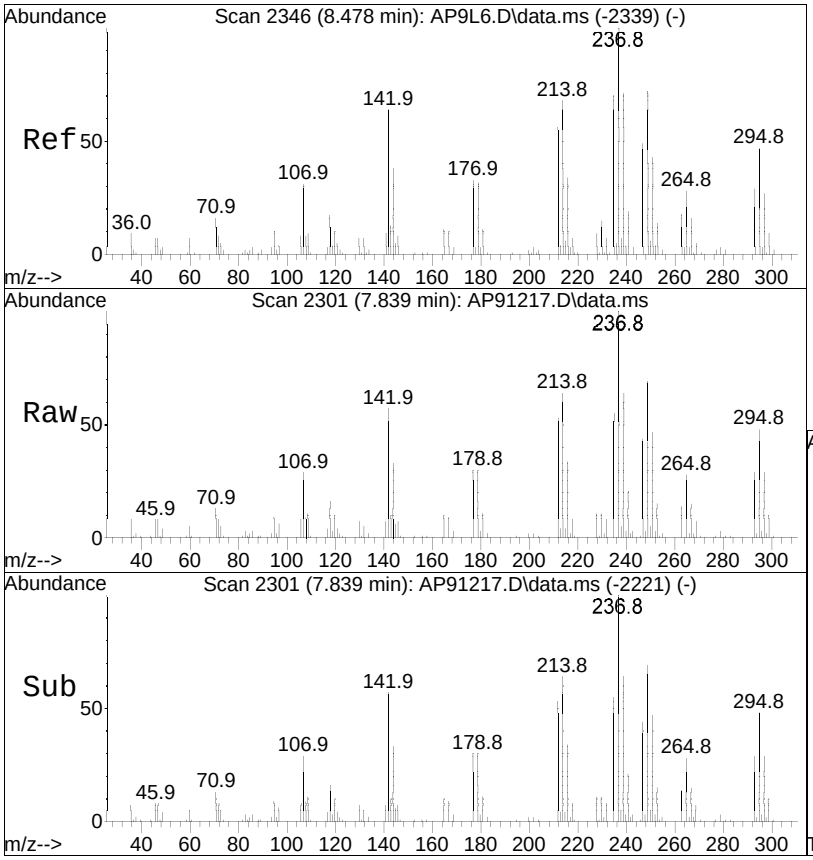


#86
Dichloran
Concen: 5.36 ug/ml
RT: 7.699 min Scan# 2256
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:206 Resp: 14637

Ion	Ratio	Lower	Upper
206	100		
176	99.4	104.6	157.0#
124	98.5	130.5	195.7#

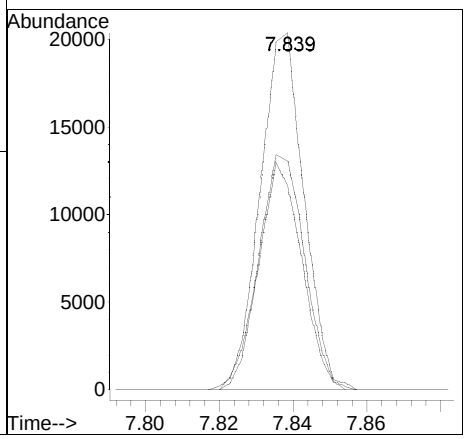


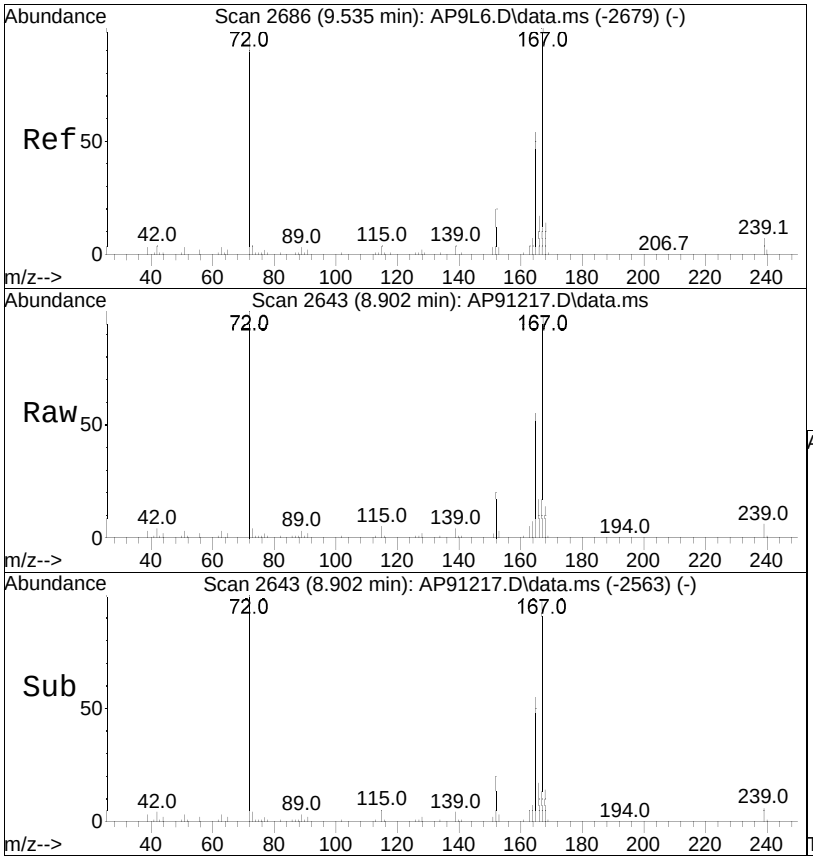


#87
Pentachloronitrobenzene
Concen: 5.56 ug/ml
RT: 7.839 min Scan# 2301
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:237 Resp: 16792

Ion	Ratio	Lower	Upper
237	100		
142	62.3	77.0	115.4#
214	69.5	58.2	87.4

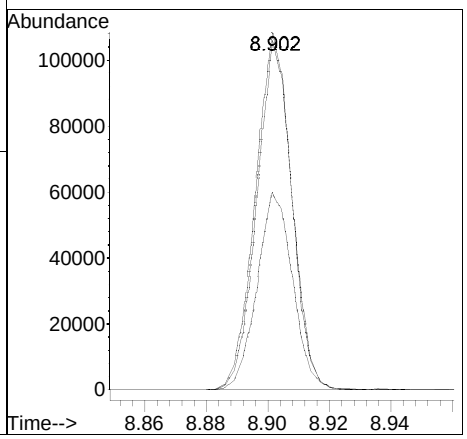




#101
Diphenamid
Concen: 5.38 ug/ml
RT: 8.902 min Scan# 2643
Delta R.T. 0.000 min
Lab File: AP91217.D
Acq: 17 Dec 2024 8:39 pm

Tgt Ion:167 Resp: 83652

Ion	Ratio	Lower	Upper
167	100		
72	104.8	109.7	164.5#
165	57.5	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91217.D	Operator	: Dakota:ljg
Date Inj'd	: 12/17/2024 8:39 pm	Instrument	: Dakota
Sample	: WG2009957-4,32,,AP9 RVT CC	Quant Date	: 12/17/2024 9:09 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : ADP1217.D
Acq On : 17 Dec 2024 9:01 pm
Operator : Dakota:ljg
Sample : WG2009957-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2009957,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 17 21:39:47 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:09:12 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	96	0.00
33	T	1,4-Dioxane		0.381	0.453	-18.9	108	0.00
35	T	n-Decane		1.048	1.079	-3.0	95	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	108	0.00
89	T	Atrazine		0.343	0.343	0.0	108	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	110	0.00
103	T	n-Octadecane		0.334	0.358	-7.2	119	0.00
104	T	Parathion	*	5.000	5.188	-3.8	129	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.682	6.3	116	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : ADP1217.D
Acq On : 17 Dec 2024 9:01 pm
Operator : Dakota:ljg
Sample : WG2009957-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2009957,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 17 21:39:47 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:09:12 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.636	152	25981	4.000	ug/ml	0.00
88) IS3_Acenaphthene-d10	6.574	164	65397	4.000	ug/ml	0.00
102) IS3_Phenanthrene-d10	7.966	188	147521	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.883	88	14715	5.947	ug/ml	93
35) n-Decane	3.562	57	35029	5.145	ug/ml#	28
89) Atrazine	7.814	200	28033	4.998	ug/ml#	88
103) n-Octadecane	8.038	57	66076	5.369	ug/ml#	1
104) Parathion	8.790	109	15993	5.188	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.002	212	125677	4.680	ug/ml	98

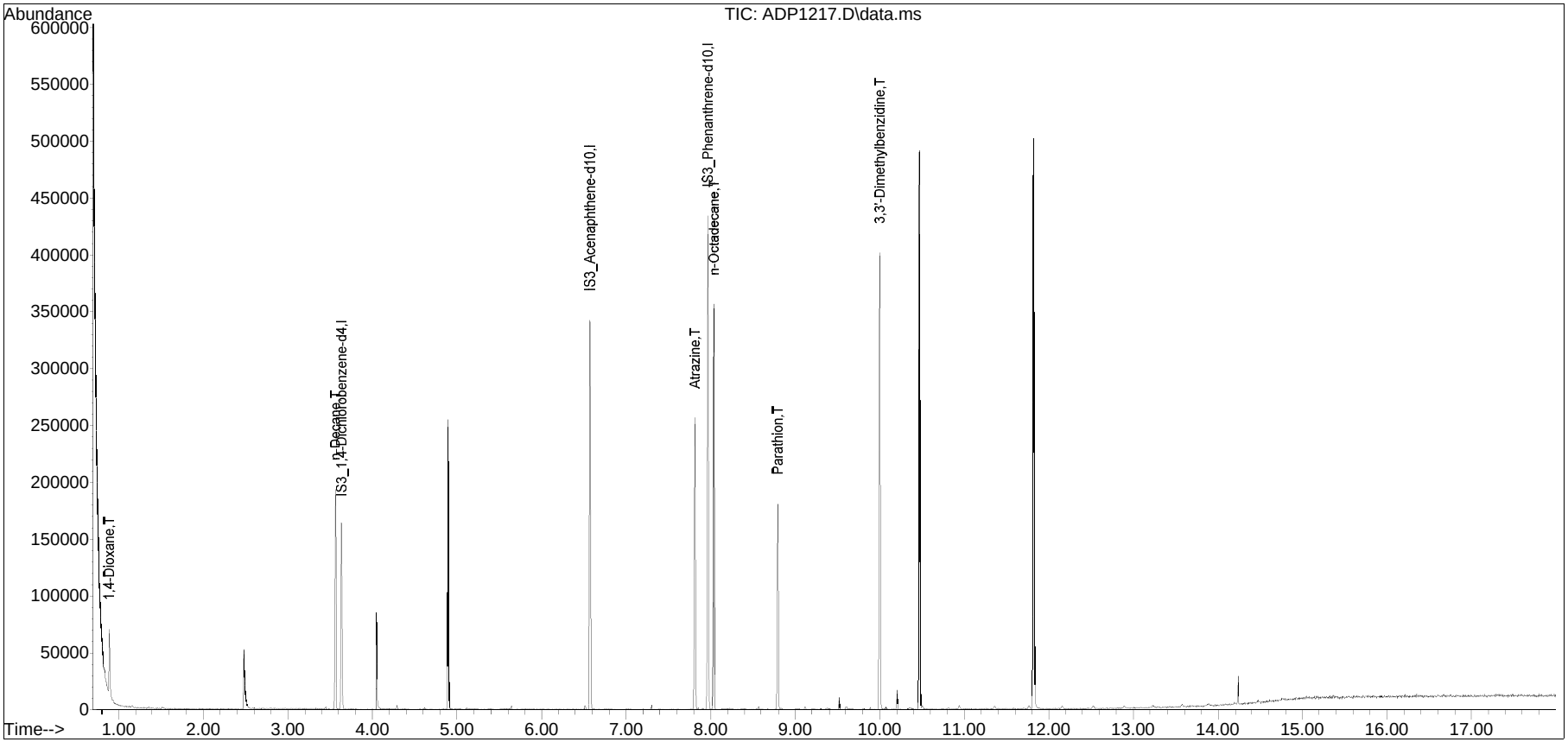
(#) = qualifier out of range (m) = manual integration (+) = signals summed

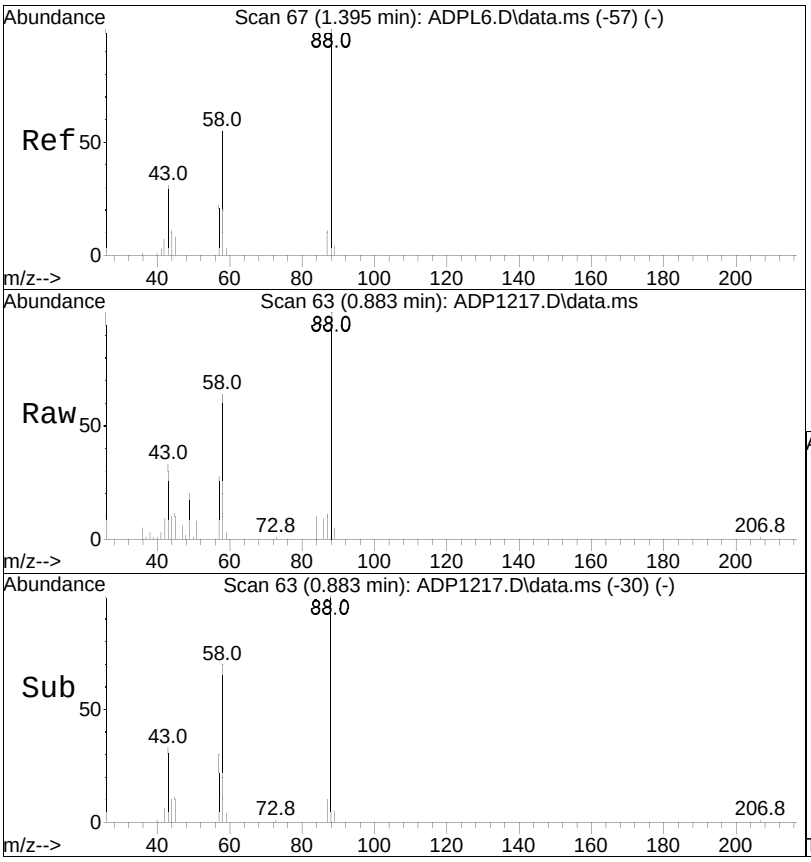
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : ADP1217.D
Acq On : 17 Dec 2024 9:01 pm
Operator : Dakota:ljg
Sample : WG2009957-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2009957,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 17 21:39:47 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:09:12 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

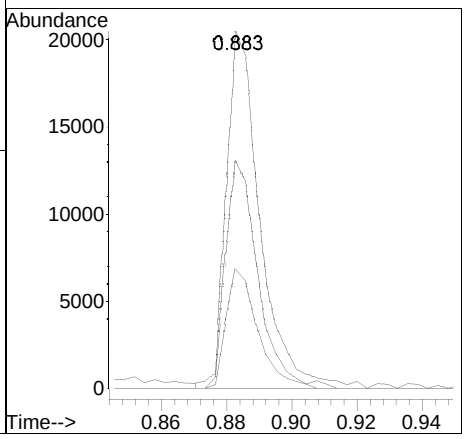


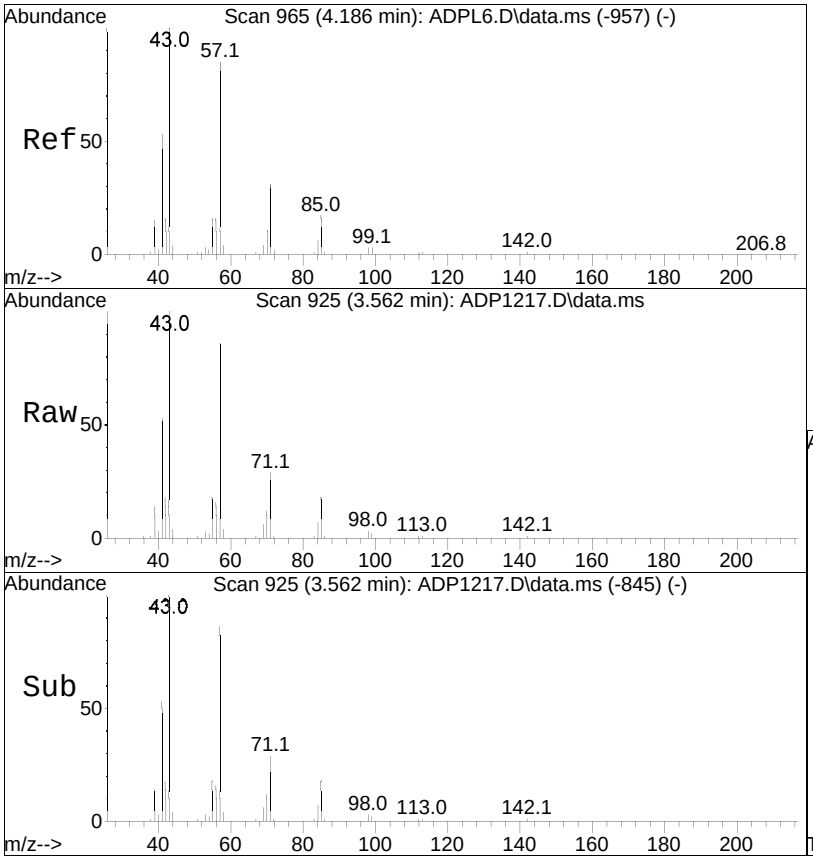


#33
1,4-Dioxane
Concen: 5.95 ug/ml
RT: 0.883 min Scan# 63
Delta R.T. 0.003 min
Lab File: ADP1217.D
Acq: 17 Dec 2024 9:01 pm

Tgt Ion: 88 Resp: 14715

Ion	Ratio	Lower	Upper
88	100		
58	61.1	44.8	67.2
43	31.5	22.4	33.6

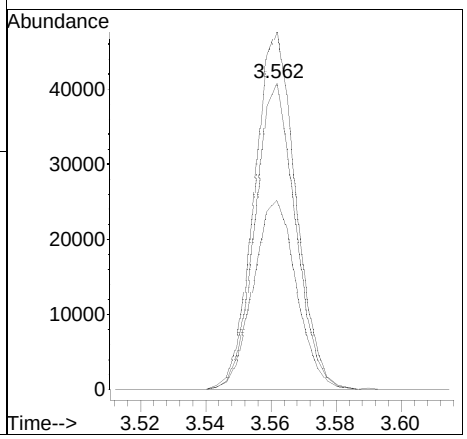


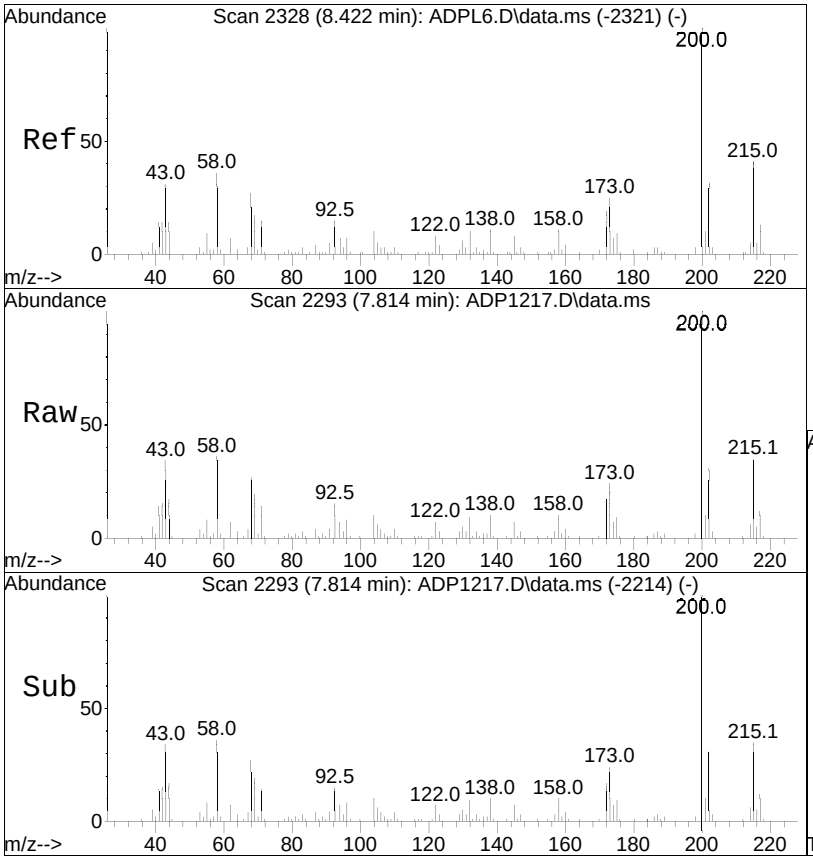


#35
n-Decane
Concen: 5.14 ug/ml
RT: 3.562 min Scan# 925
Delta R.T. 0.000 min
Lab File: ADP1217.D
Acq: 17 Dec 2024 9:01 pm

Tgt Ion: 57 Resp: 35029

Ion	Ratio	Lower	Upper
57	100		
43	120.0	0.2	0.2#
41	66.2	0.2	0.2#

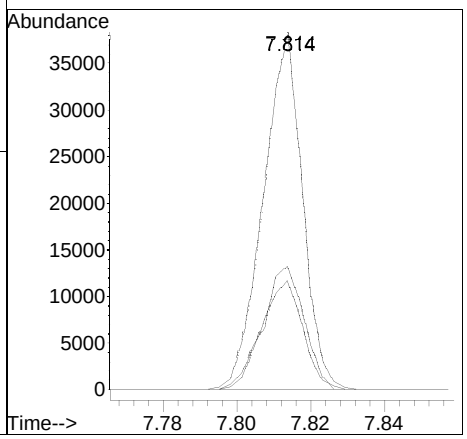


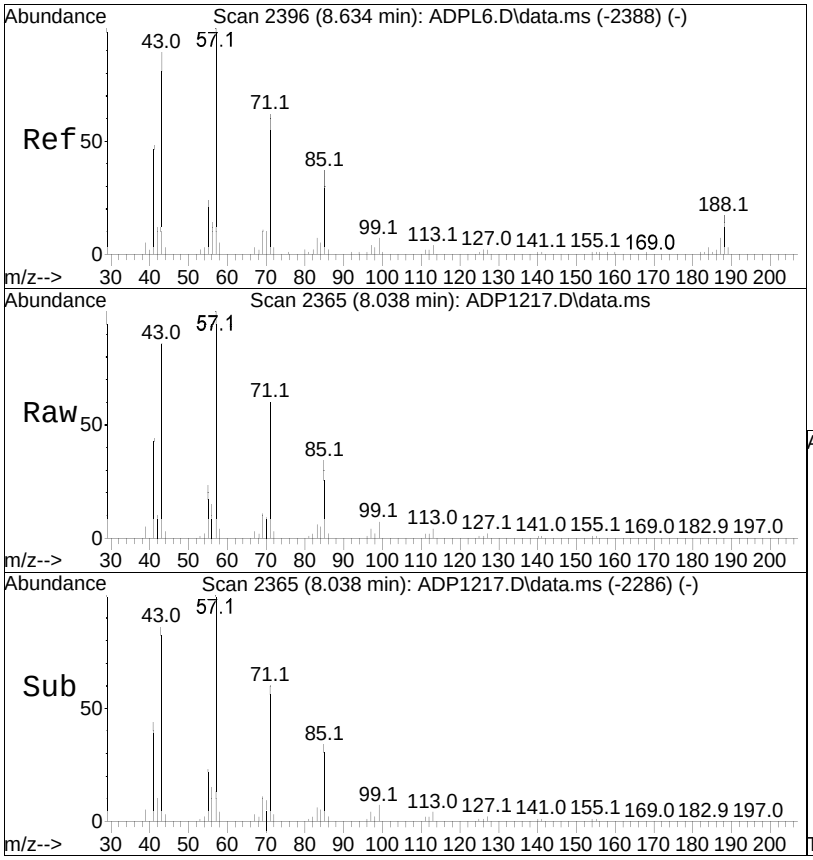


#89
Atrazine
Concen: 5.00 ug/ml
RT: 7.814 min Scan# 2293
Delta R.T. -0.003 min
Lab File: ADP1217.D
Acq: 17 Dec 2024 9:01 pm

Tgt Ion:200 Resp: 28033

Ion	Ratio	Lower	Upper
200	100		
202	32.3	25.8	38.6
215	36.7	40.2	60.4#

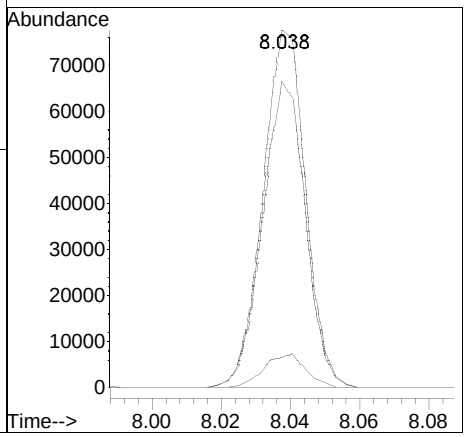


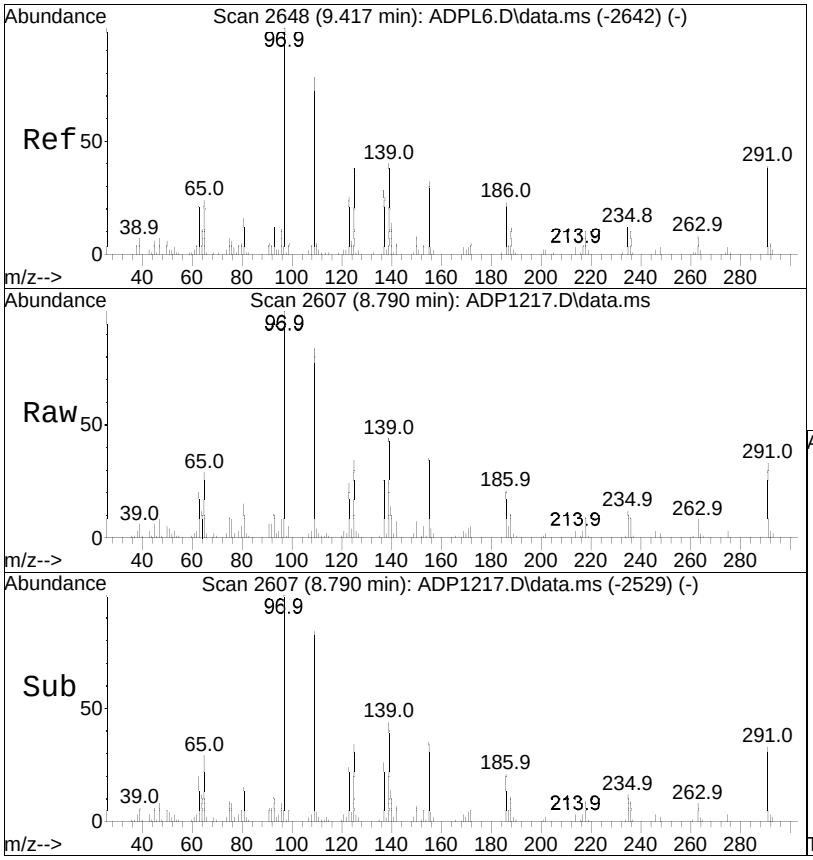


#103
n-Octadecane
Concen: 5.37 ug/ml
RT: 8.038 min Scan# 2365
Delta R.T. -0.003 min
Lab File: ADP1217.D
Acq: 17 Dec 2024 9:01 pm

Tgt Ion: 57 Resp: 66076

Ion	Ratio	Lower	Upper
57	100		
43	86.1	9.0	13.6#
70	9.2	0.2	0.2#

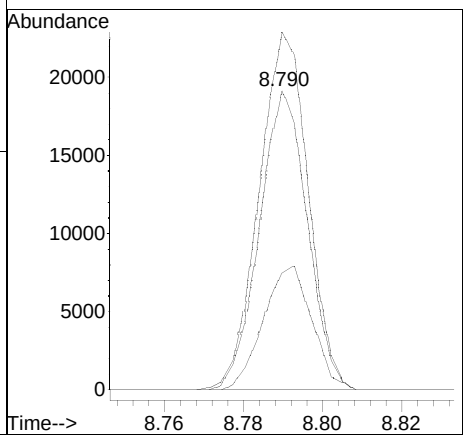


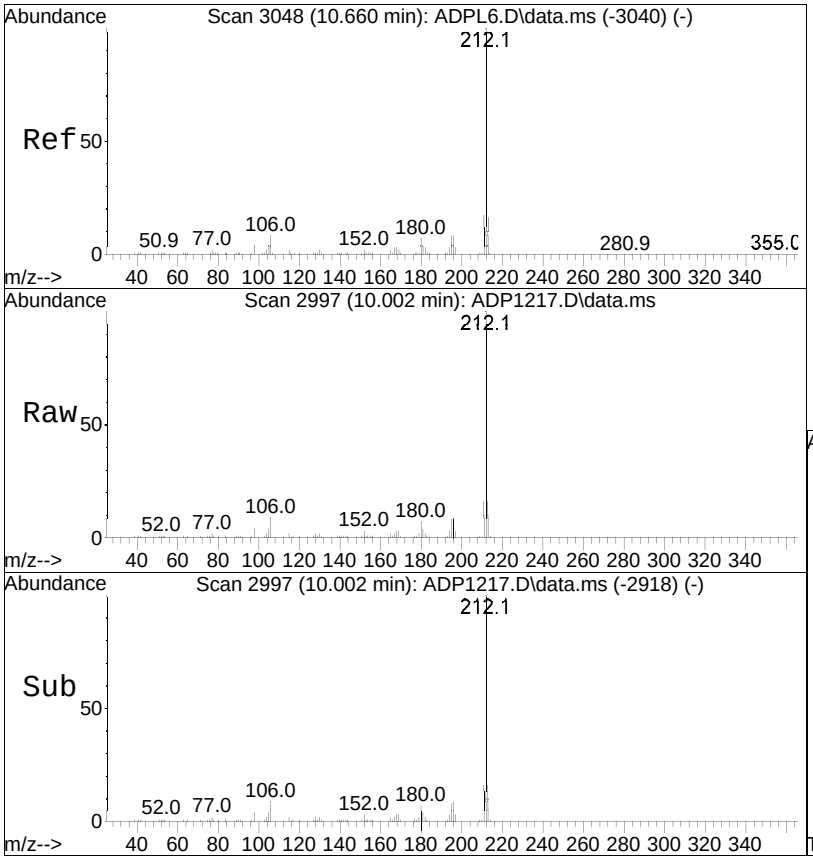


#104
Parathion
Concen: 5.19 ug/ml
RT: 8.790 min Scan# 2607
Delta R.T. -0.006 min
Lab File: ADP1217.D
Acq: 17 Dec 2024 9:01 pm

Tgt Ion:109 Resp: 15993

Ion	Ratio	Lower	Upper
109	100		
97	122.6	87.4	131.2
291	42.1	34.2	51.2

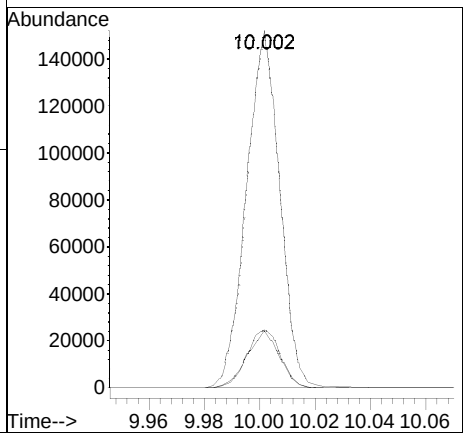




#105
3,3'-Dimethylbenzidine
Concen: 4.68 ug/ml
RT: 10.002 min Scan# 2997
Delta R.T. -0.003 min
Lab File: ADP1217.D
Acq: 17 Dec 2024 9:01 pm

Tgt Ion:212 Resp: 125677

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	15.5	13.2	19.8



Manual Integration Report

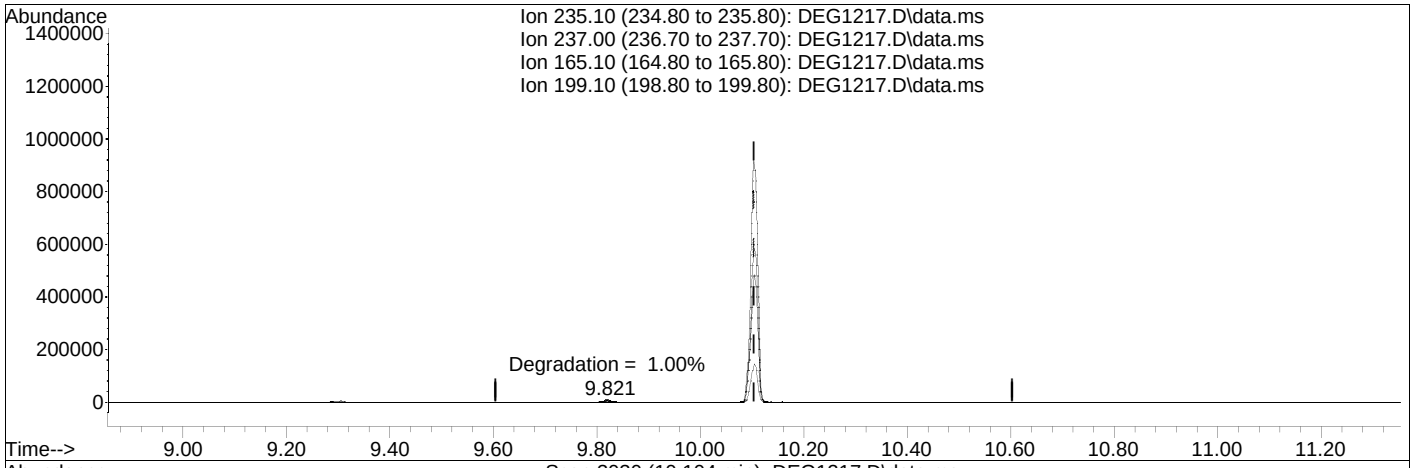
Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1217.D	Operator	: Dakota:ljg
Date Inj'd	: 12/17/2024 9:01 pm	Instrument	: Dakota
Sample	: WG2009957-5,32,,ADP RVT CC	Quant Date	: 12/17/2024 9:22 pm

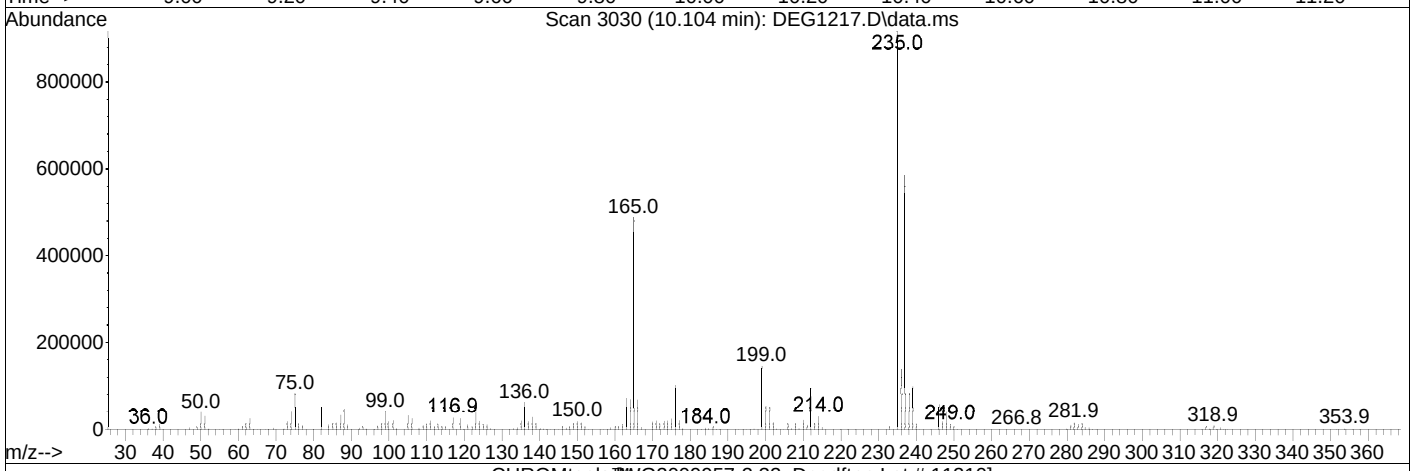
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241217RVT\
Data File : DEG1217.D
Acq On : 17 Dec 2024 7:54 pm
Operator : Dakota:ljg
Sample : WG2009957-2,32,,Degdftpp Lot # 11210
Misc : WG2009957,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 20:13:01 2024
Quant Method : I:\8270\Dakota\241217RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 20:14:49 2024
Response via : Initial Calibration





CHROMtools [WG2009957-2,32,,Degdftpp Lot # 11210]

(6) DDT (T)

10.104min (+ 0.000) 135.88

response 828298

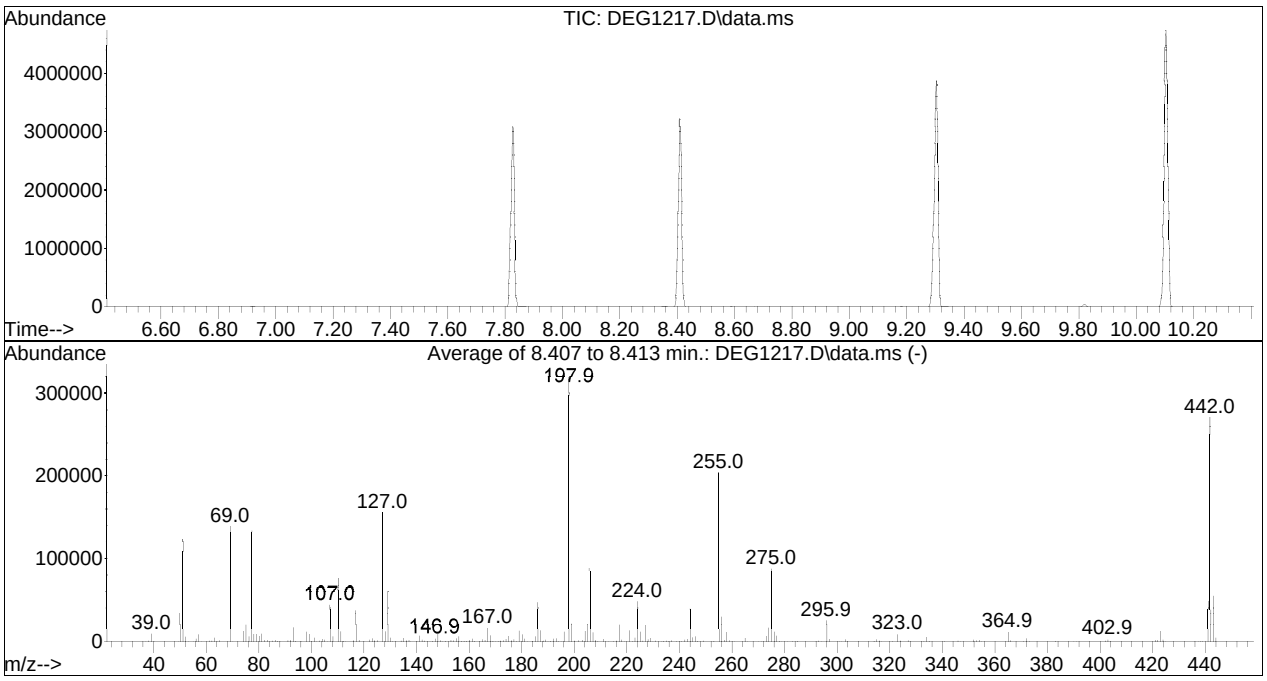
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.38
165.10	48.70	51.33
199.10	15.80	15.18

DFTPP

Data Path : I:\8270\Dakota\241217RVT\
Data File : DEG1217.D
Acq On : 17 Dec 2024 7:54 pm
Operator : Dakota: ASK
Sample : WG2009957-1,32,,Degdftpp Lot # 11210
Misc : WG2009957,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Dec 17 21:09:12 2024



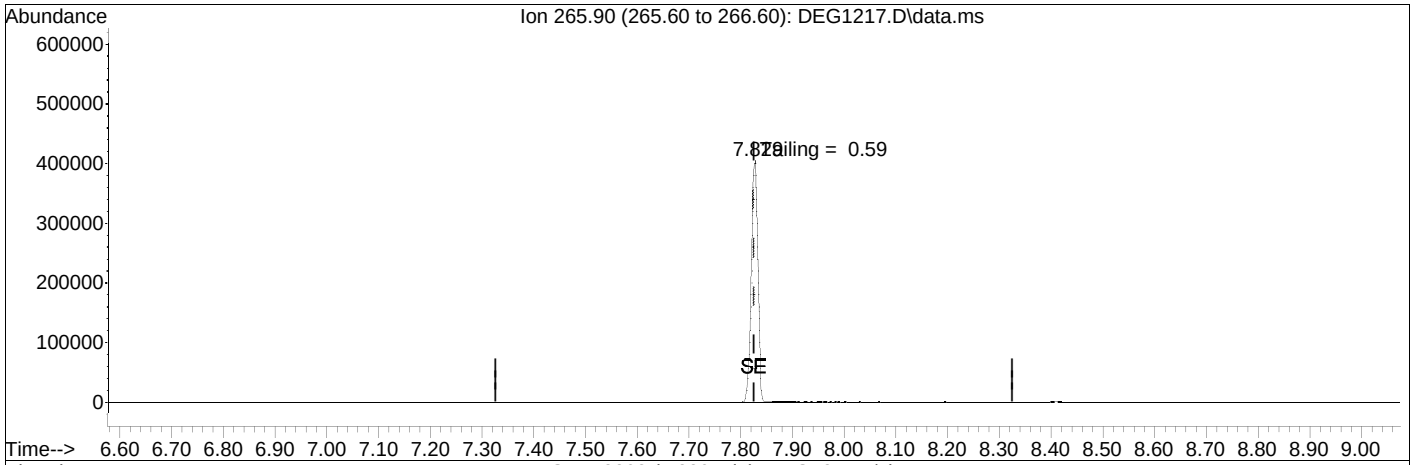
Spectrum Information: Average of 8.407 to 8.413 min.

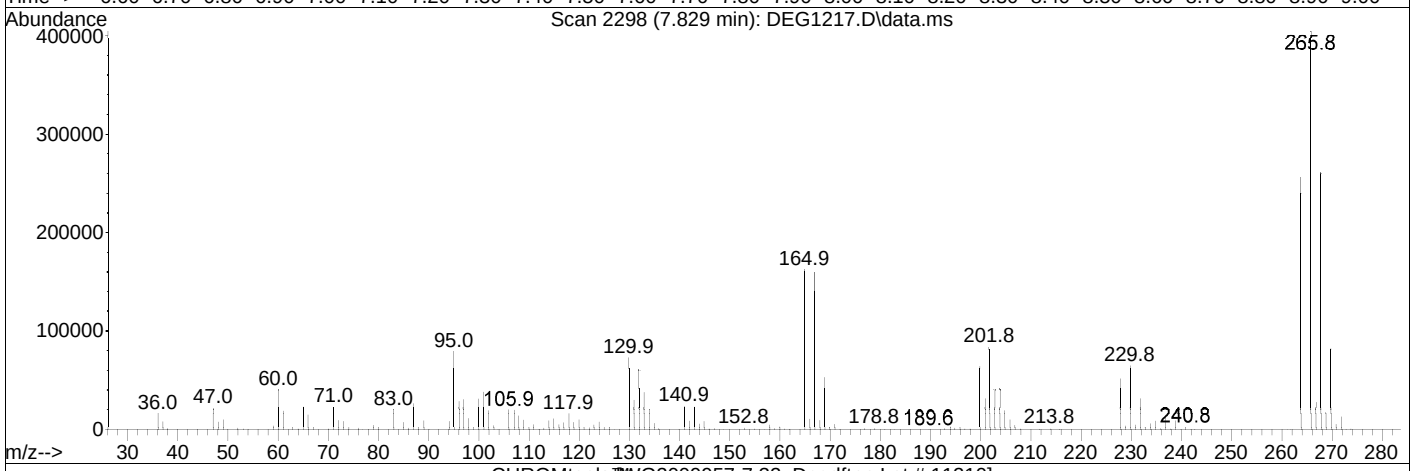
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.5	122768	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	138395	PASS
70	69	0.00	2	0.4	573	PASS
127	198	10	80	48.9	155819	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	318805	PASS
199	198	5	9	6.7	21504	PASS
275	198	10	60	27.5	87667	PASS
365	198	1	100	3.5	11116	PASS
441	442	0.01	24	17.8	48237	PASS
442	198	50	100	84.8	270336	PASS
443	442	15	24	20.1	54245	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241217RVT\
Data File : DEG1217.D
Acq On : 17 Dec 2024 7:54 pm
Operator : Dakota:ljg
Sample : WG2009957-7,32,,Degdftpp Lot # 11210
Misc : WG2009957,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 20:13:01 2024
Quant Method : I:\8270\Dakota\241217RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 20:14:49 2024
Response via : Initial Calibration





CHROMtools [WG2009957-7,32,,Degdftpp Lot # 11210]

(1) Pentachlorophenol (T)

7.829min (+ 0.003) 160.51

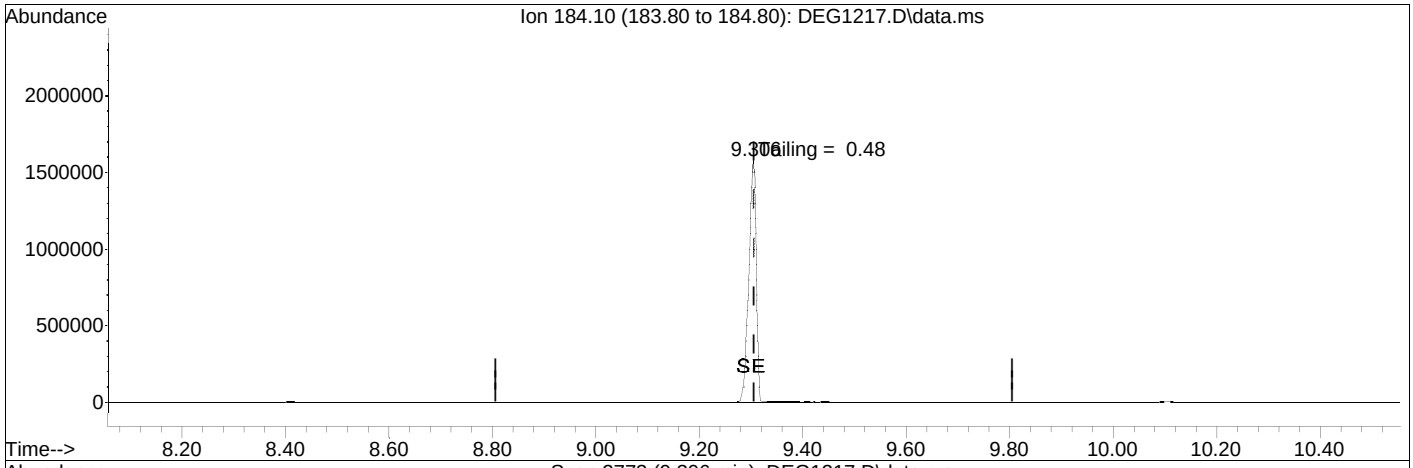
response 337122

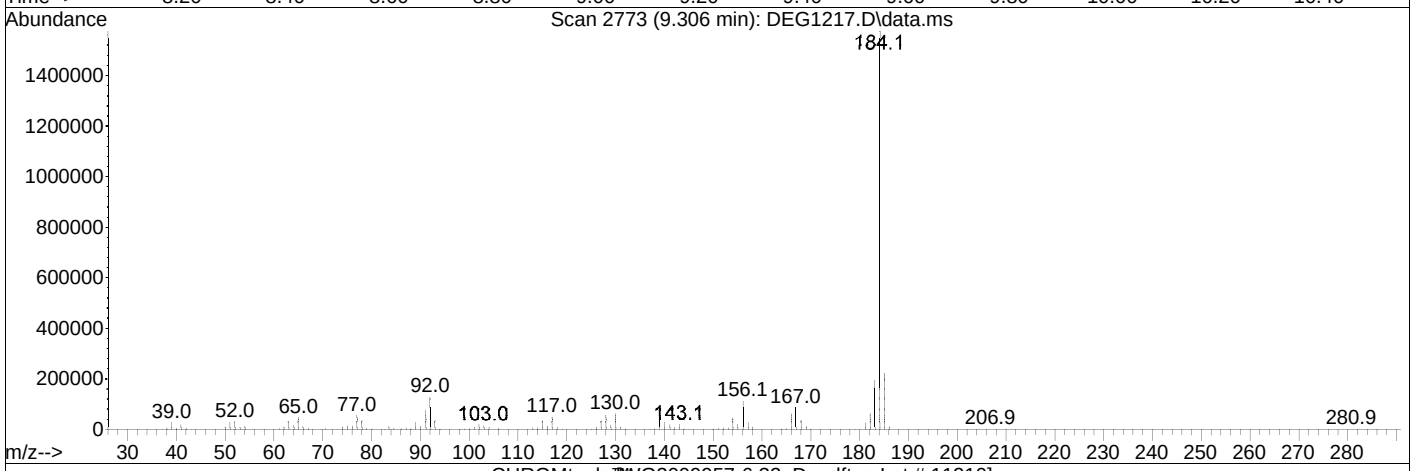
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241217RVT\
Data File : DEG1217.D
Acq On : 17 Dec 2024 7:54 pm
Operator : Dakota:ljg
Sample : WG2009957-6,32,,Degdftpp Lot # 11210
Misc : WG2009957,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 20:13:01 2024
Quant Method : I:\8270\Dakota\241217RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 20:14:49 2024
Response via : Initial Calibration





CHROMtools [WG2009957-6,32,,Degdftpp Lot # 11210]

(3) Benzidine (T)

9.306min (-0.000) 148.32

response 1509950

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.681	-	-8.1	20	101	0
Pyridine	0.954	1.1	-	-15.3	20	100	0
2-Fluorophenol	1.028	1.042	-	-1.4	20	95	0
Aniline	1.567	1.601	-	-2.2	20	96	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	94	0
Phenol-d6	1.317	1.324	-	-0.5	20	95	0
Phenol	1.421	1.432	-	-0.8	20	95	0
Bis(2-chloroethyl)ether	1.017	1.039	-	-2.2	20	98	0
1,3-Dichlorobenzene	1.577	1.535	-	2.7	20	94	0
1,4-Dichlorobenzene	1.61	1.535	-	4.7	20	92	0
1,2-Dichlorobenzene	1.534	1.525	-	0.6	20	96	0
Benzyl alcohol	0.93	1.003	-	-7.8	20	101	0
Bis(2-chloroisopropyl)ethe	1.794	1.982	-	-10.5	20	107	0
2-Methylphenol	1.079	1.082	-	-0.3	20	98	0
Hexachloroethane	0.589	0.585	-	0.7	20	99	0
n-Nitrosodi-n-propylamine	0.863	0.913	-	-5.8	20	103	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	99	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	102	0
Nitrobenzene	1.222	1.323	-	-8.3	20	101	0
Isophorone	2.247	2.387	-	-6.2	20	101	0
2-Nitrophenol	0.619	0.671	-	-8.4	20	103	0
2,4-Dimethylphenol	1.101	1.101	-	0	20	95	0
Bis(2-chloroethoxy)methane	1.4	1.469	-	-4.9	20	100	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	97	0
1,2,4-Trichlorobenzene	1.555	1.47	-	5.5	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.1	1.012	-	8	20	98	0
Benzoic Acid	0.228	0.215	-	5.7	20	103	0
4-Chloroaniline	0.121	0.118	-	2.5	20	99	0
Hexachlorobutadiene	0.258	0.233	-	9.7	20	92	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.713	-	6.3	20	101	0
1-Methylnaphthalene	0.242	0.232	-	4.1	20	99	0
Hexachlorocyclopentadiene	0.272	0.269	-	1.1	20	99	0
2,4,6-Trichlorophenol	0.287	0.279	-	2.8	20	99	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	104	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	98	0
2-Chloronaphthalene	0.852	0.785	-	7.9	20	97	0
2-Nitroaniline	0.218	0.219	-	-0.5	20	100	0
1,4-Dinitrobenzene	0.095	0.098	-	-3.2	20	102	0
1,3-Dinitrobenzene	0.113	0.111	-	1.8	20	96	0
Dimethyl phthalate	0.991	0.959	-	3.2	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.227	-	2	20	102	0
2,6-Dinitrotoluene	0.185	0.183	-	1.1	20	97	0
1,2-Dinitrobenzene	0.066	0.069	-	-4.5	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	103	0
3-Nitroaniline	0.309	0.317	-	-2.6	20	105	0
Acenaphthene	1.163	1.052	-	9.5	20	102	0
2,4-Dinitrophenol	0.188	0.174	-	7.4	20	104	0
Dibenzofuran	2.006	1.773	-	11.6	20	100	0
2,4-Dinitrotoluene	0.387	0.394	-	-1.8	20	101	0
4-Nitrophenol	0.23	0.255	-	-10.9	20	113	0
2,3,5,6-Tetrachlorophenol	0.436	0.429	-	1.6	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	104	0
Diethyl phthalate	1.575	1.487	-	5.6	20	107	0
Fluorene	1.536	1.417	-	7.7	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.689	-	13	20	98	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	102	0
4,6-Dinitro-o-cresol	0.234	0.253	-	-8.1	20	108	0
NDPA/DPA	1.337	1.189	-	11.1	20	100	0
Azobenzene	1.281	1.289	-	-0.6	20	109	0
2,4,6-Tribromophenol	0.286	0.304	-	-6.3	20	115	0
4-Bromophenyl phenyl ether	0.522	0.451	-	13.6	20	98	0
Hexachlorobenzene	0.656	0.605	-	7.8	20	106	0
Pentachlorophenol	0.356	0.379	-	-6.5	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	104	0
Phenanthrene	1.183	1.068	-	9.7	20	102	0
Anthracene	1.16	1.067	-	8	20	103	0
Carbazole	1.064	1.013	-	4.8	20	103	0
Di-n-butylphthalate	1.207	1.196	-	0.9	20	105	0
Fluoranthene	1.422	1.278	-	10.1	20	101	0
Benzidine	0.772	0.732	-	5.2	20	95	0
Pyrene	1.52	1.409	-	7.3	20	103	0
4-Terphenyl-d14	1.157	1.013	-	12.4	20	99	0
Butyl benzyl phthalate	0.517	0.537	-	-3.9	20	107	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.231	-	9.2	20	100	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	99	0
Chrysene	1.349	1.189	-	11.9	20	98	0
Bis(2-ethylhexyl)phthalate	0.726	0.756	-	-4.1	20	104	0
Di-n-octylphthalate	1.212	1.254	-	-3.5	20	104	0
Benzo(b)fluoranthene	1.42	1.331	-	6.3	20	103	0
Benzo(k)fluoranthene	1.383	1.278	-	7.6	20	95	0
Benzo(a)pyrene	1.267	1.205	-	4.9	20	99	0
IS1_Perylene-d12	1	1	-	0	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:16	
Lab File ID	: ABN1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.105	-	10.5	20	95	0
Dibenzo(a,h)anthracene	1.213	1.084	-	10.6	20	94	0
Benzo(ghi)perylene	1.192	1.085	-	9	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:39	
Lab File ID	: AP91217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-4		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	0.703	0.781	-	-11.1	20	93	0
Acetophenone	1.403	1.589	-	-13.3	20	99	0
m-Toluidine	1.287	1.401	-	-8.9	20	96	0
2-Chloroaniline	1.368	1.558	-	-13.9	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.25	-	-13.1	20	107	0
3-Chloroaniline	0.115	0.13	-	-13	20	104	0
2,6-Dichlorophenol	0.296	0.323	-	-9.1	20	102	0
1-chloro-2-nitrobenzene	0.113	0.128	-	-13.3	20	102	0
Caprolactam	0.123	0.142	-	-15.4	20	112	0
1,2,4,5-Tetrachlorobenzene	0.413	0.411	-	0.5	20	95	0
Biphenyl	0.842	0.878	-	-4.3	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	101	0
Dichloran	0.169	0.181	-	-7.1	20	110	0
Pentachloronitrobenzene	0.187	0.208	-	-11.2	20	116	0
IS2_Phenanthrene-d10	1	1	-	0	20	105	0
Diphenamid	0.416	0.447	-	-7.5	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 21:01	
Lab File ID	: ADP1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
1,4-Dioxane	0.381	0.453	-	-18.9	20	108	0
n-Decane	1.048	1.079	-	-3	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	108	0
Atrazine	0.343	0.343	-	0	20	108	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.334	0.358	-	-7.2	20	119	0
Parathion	5	5.188	-	-3.8	20	129	0
3,3'-Dimethylbenzidine	0.728	0.682	-	6.3	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
n-Nitrosodimethylamine	0.76	0.676	-	11.1	20	64	0
Pyridine	1.219	1.149	-	5.7	20	68	0
2-Fluorophenol	1.245	1.117	-	10.3	20	65	0
Aniline	1.771	1.59	-	10.2	20	63	0
2-Chlorophenol	1.365	1.299	-	4.8	20	67	0
Phenol-d6	1.498	1.314	-	12.3	20	64	0
Phenol	1.555	1.353	-	13	20	62	0
Bis(2-chloroethyl)ether	1.28	1.07	-	16.4	20	59	0
1,3-Dichlorobenzene	1.669	1.511	-	9.5	20	66	0
1,4-Dichlorobenzene	1.7	1.515	-	10.9	20	66	0
1,2-Dichlorobenzene	1.63	1.466	-	10.1	20	65	0
Benzyl alcohol	1.06	0.9	-	15.1	20	61	0
Bis(2-chloroisopropyl)ethe	2.014	1.412	-	29.9*	20	51	0
2-Methylphenol	1.123	1.11	-	1.2	20	70	0
Hexachloroethane	0.614	0.589	-	4.1	20	70	0
n-Nitrosodi-n-propylamine	0.94	0.824	-	12.3	20	61	0
3-Methylphenol/4-Methylphe	1.225	1.159	-	5.4	20	66	0
Nitrobenzene-d5	1.359	1.242	-	8.6	20	65	0
Nitrobenzene	1.389	1.233	-	11.2	20	64	0
Isophorone	2.416	2.048	-	15.2	20	59	0
2-Nitrophenol	0.713	0.691	-	3.1	20	66	0
2,4-Dimethylphenol	1.119	0.945	-	15.5	20	60	0
Bis(2-chloroethoxy)methane	1.614	1.356	-	16	20	59	0
2,4-Dichlorophenol	1.25	1.194	-	4.5	20	66	0
1,2,4-Trichlorobenzene	1.449	1.309	-	9.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	69	0
Naphthalene	1.129	1.011	-	10.5	20	64	0
Benzoic Acid	5	4.589	-	8.2	20	63	0
4-Chloroaniline	0.127	0.108	-	15	20	58	0
Hexachlorobutadiene	0.239	0.237	-	0.8	20	68	0
p-Chloro-m-cresol	0.296	0.284	-	4.1	20	64	0
2-Methylnaphthalene	0.752	0.7	-	6.9	20	65	0
1-Methylnaphthalene	0.243	0.236	-	2.9	20	69	0
Hexachlorocyclopentadiene	0.262	0.263	-	-0.4	20	70	0
2,4,6-Trichlorophenol	0.275	0.263	-	4.4	20	64	0
2,4,5-Trichlorophenol	0.285	0.276	-	3.2	20	66	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	62	0
2-Chloronaphthalene	0.785	0.797	-	-1.5	20	72	0
2-Nitroaniline	0.223	0.238	-	-6.7	20	70	0
1,4-Dinitrobenzene	0.114	0.122	-	-7	20	69	0
1,3-Dinitrobenzene	0.125	0.135	-	-8	20	69	0
Dimethyl phthalate	0.915	0.945	-	-3.3	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.214	-	-3.8	20	71	0
2,6-Dinitrotoluene	0.186	0.202	-	-8.6	20	68	0
1,2-Dinitrobenzene	0.081	0.084	-	-3.7	20	68	0
IS1_Acenaphthene-d10	1	1	-	0	20	74	0
3-Nitroaniline	0.323	0.319	-	1.2	20	70	0
Acenaphthene	1.157	1.065	-	8	20	71	0
2,4-Dinitrophenol	5	5.113	-	-2.3	20	74	0
Dibenzofuran	1.872	1.681	-	10.2	20	70	0
2,4-Dinitrotoluene	0.419	0.413	-	1.4	20	70	0
4-Nitrophenol	0.239	0.216	-	9.6	20	62	0
2,3,5,6-Tetrachlorophenol	0.39	0.397	-	-1.8	20	72	0
2,3,4,6-Tetrachlorophenol	0.385	0.388	-	-0.8	20	71	0
Diethyl phthalate	1.518	1.341	-	11.7	20	67	0
Fluorene	1.462	1.357	-	7.2	20	70	0
4-Chlorophenyl phenyl ethe	0.75	0.677	-	9.7	20	69	0
4-Nitroaniline	0.329	0.307	-	6.7	20	68	0
4,6-Dinitro-o-cresol	5	4.505	-	9.9	20	71	0
NDPA/DPA	1.261	1.183	-	6.2	20	69	0
Azobenzene	1.232	1.042	-	15.4	20	62	0
2,4,6-Tribromophenol	0.226	0.224	-	0.9	20	72	0
4-Bromophenyl phenyl ether	0.465	0.427	-	8.2	20	69	0
Hexachlorobenzene	0.526	0.493	-	6.3	20	73	0
Pentachlorophenol	0.319	0.315	-	1.3	20	71	0
IS1_Phenanthrene-d10	1	1	-	0	20	70	0
Phenanthrene	1.174	1.105	-	5.9	20	69	0
Anthracene	1.17	1.104	-	5.6	20	70	0
Carbazole	1.054	1.022	-	3	20	69	0
Di-n-butylphthalate	1.319	1.267	-	3.9	20	66	0
Fluoranthene	1.353	1.334	-	1.4	20	70	0
Benzidine	0.776	0.784	-	-1	20	66	0
Pyrene	1.428	1.393	-	2.5	20	70	0
4-Terphenyl-d14	1.073	1.088	-	-1.4	20	72	0
Butyl benzyl phthalate	0.555	0.579	-	-4.3	20	68	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.379	1.274	-	7.6	20	72	0
3,3'-Dichlorobenzidine	0.453	0.456	-	-0.7	20	73	0
Chrysene	1.324	1.203	-	9.1	20	71	0
Bis(2-ethylhexyl)phthalate	0.828	0.785	-	5.2	20	66	0
Di-n-octylphthalate	1.373	1.372	-	0.1	20	68	0
Benzo(b)fluoranthene	1.331	1.391	-	-4.5	20	81	0
Benzo(k)fluoranthene	1.24	1.214	-	2.1	20	72	0
Benzo(a)pyrene	1.155	1.207	-	-4.5	20	78	0
IS1_Perylene-d12	1	1	-	0	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:19	
Lab File ID	: ABN1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.264	-	-4.2	20	84	0
Dibenzo(a,h)anthracene	1.153	1.199	-	-4	20	83	0
Benzo(ghi)perylene	1.08	1.141	-	-5.6	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:43	
Lab File ID	: AP91218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.908	-	4.2	20	78	0
Acetophenone	1.829	1.553	-	15.1	20	72	0
m-Toluidine	1.612	1.484	-	7.9	20	77	0
2-Chloroaniline	1.609	1.49	-	7.4	20	76	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.282	0.213	-	24.5*	20	60	0
3-Chloroaniline	0.132	0.117	-	11.4	20	66	0
2,6-Dichlorophenol	0.3	0.291	-	3	20	74	0
1-chloro-2-nitrobenzene	0.145	0.13	-	10.3	20	71	0
Caprolactam	0.147	0.111	-	24.5*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.366	-	9	20	73	0
Biphenyl	0.907	0.829	-	8.6	20	71	0
IS2_Acenaphthene-d10	1	1	-	0	20	79	0
Dichloran	0.181	0.186	-	-2.8	20	82	0
Pentachloronitrobenzene	0.193	0.2	-	-3.6	20	79	0
IS2_Phenanthrene-d10	1	1	-	0	20	74	0
Diphenamid	0.505	0.511	-	-1.2	20	72	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 23:07	
Lab File ID	: ADP1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
1,4-Dioxane	0.485	0.426	-	12.2	20	64	0
n-Decane	1.486	1.087	-	26.9*	20	51	0
IS3_Acenaphthene-d10	1	1	-	0	20	64	0
Atrazine	0.415	0.367	-	11.6	20	60	0
IS3_Phenanthrene-d10	1	1	-	0	20	67	0
n-Octadecane	0.485	0.318	-	34.4*	20	44	0
Parathion	5	4.497	-	10.1	20	69	0
3,3'-Dimethylbenzidine	0.821	0.74	-	9.9	20	66	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
n-Nitrosodimethylamine	0.63	0.68	-	-7.9	20	100	0
Pyridine	0.954	1.089	-	-14.2	20	98	0
2-Fluorophenol	1.028	1.003	-	2.4	20	91	0
Aniline	1.567	1.563	-	0.3	20	93	0
2-Chlorophenol	1.225	1.198	-	2.2	20	90	0
Phenol-d6	1.317	1.286	-	2.4	20	92	0
Phenol	1.421	1.426	-	-0.4	20	94	0
Bis(2-chloroethyl)ether	1.017	0.996	-	2.1	20	93	0
1,3-Dichlorobenzene	1.577	1.451	-	8	20	88	0
1,4-Dichlorobenzene	1.61	1.473	-	8.5	20	87	0
1,2-Dichlorobenzene	1.534	1.433	-	6.6	20	89	0
Benzyl alcohol	0.93	0.948	-	-1.9	20	95	0
Bis(2-chloroisopropyl)ethe	1.794	1.967	-	-9.6	20	105	0
2-Methylphenol	1.079	1.055	-	2.2	20	95	0
Hexachloroethane	0.589	0.573	-	2.7	20	96	0
n-Nitrosodi-n-propylamine	0.863	0.871	-	-0.9	20	98	0
3-Methylphenol/4-Methylphe	1.182	1.163	-	1.6	20	96	0
Nitrobenzene-d5	1.195	1.275	-	-6.7	20	99	0
Nitrobenzene	1.222	1.274	-	-4.3	20	97	0
Isophorone	2.247	2.284	-	-1.6	20	96	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	102	0
2,4-Dimethylphenol	1.101	1.041	-	5.4	20	89	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	96	0
2,4-Dichlorophenol	1.285	1.303	-	-1.4	20	95	0
1,2,4-Trichlorobenzene	1.555	1.476	-	5.1	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	1.022	-	7.1	20	95	0
Benzoic Acid	0.228	0.236	-	-3.5	20	109	0
4-Chloroaniline	0.121	0.117	-	3.3	20	94	0
Hexachlorobutadiene	0.258	0.238	-	7.8	20	91	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.712	-	6.4	20	97	0
1-Methylnaphthalene	0.242	0.225	-	7	20	93	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	94	0
2,4,6-Trichlorophenol	0.287	0.286	-	0.3	20	98	0
2,4,5-Trichlorophenol	0.32	0.303	-	5.3	20	96	0
2-Fluorobiphenyl	0.99	0.91	-	8.1	20	95	0
2-Chloronaphthalene	0.852	0.787	-	7.6	20	94	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	97	0
1,4-Dinitrobenzene	0.095	0.1	-	-5.3	20	101	0
1,3-Dinitrobenzene	0.113	0.112	-	0.9	20	93	0
Dimethyl phthalate	0.991	0.958	-	3.3	20	99	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.201	-	4.1	20	97	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	98	0
1,2-Dinitrobenzene	0.066	0.067	-	-1.5	20	91	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.309	0.312	-	-1	20	99	0
Acenaphthene	1.163	1.047	-	10	20	98	0
2,4-Dinitrophenol	0.188	0.159	-	15.4	20	91	0
Dibenzofuran	2.006	1.792	-	10.7	20	97	0
2,4-Dinitrotoluene	0.387	0.399	-	-3.1	20	98	0
4-Nitrophenol	0.23	0.256	-	-11.3	20	109	0
2,3,5,6-Tetrachlorophenol	0.436	0.446	-	-2.3	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.425	-	0.7	20	102	0
Diethyl phthalate	1.575	1.454	-	7.7	20	100	0
Fluorene	1.536	1.393	-	9.3	20	97	0
4-Chlorophenyl phenyl ethe	0.792	0.688	-	13.1	20	94	0
4-Nitroaniline	0.299	0.307	-	-2.7	20	97	0
4,6-Dinitro-o-cresol	0.234	0.239	-	-2.1	20	98	0
NDPA/DPA	1.337	1.189	-	11.1	20	97	0
Azobenzene	1.281	1.283	-	-0.2	20	105	0
2,4,6-Tribromophenol	0.286	0.307	-	-7.3	20	112	0
4-Bromophenyl phenyl ether	0.522	0.466	-	10.7	20	98	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	101	0
Pentachlorophenol	0.356	0.39	-	-9.6	20	108	0
IS1_Phenanthrene-d10	1	1	-	0	20	99	0
Phenanthrene	1.183	1.073	-	9.3	20	98	0
Anthracene	1.16	1.075	-	7.3	20	98	0
Carbazole	1.064	0.995	-	6.5	20	97	0
Di-n-butylphthalate	1.207	1.213	-	-0.5	20	101	0
Fluoranthene	1.422	1.325	-	6.8	20	99	0
Benzidine	0.772	0.732	-	5.2	20	91	0
Pyrene	1.52	1.42	-	6.6	20	98	0
4-Terphenyl-d14	1.157	1.011	-	12.6	20	94	0
Butyl benzyl phthalate	0.517	0.538	-	-4.1	20	102	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.355	1.227	-	9.4	20	95	0
3,3'-Dichlorobenzidine	0.505	0.488	-	3.4	20	94	0
Chrysene	1.349	1.175	-	12.9	20	93	0
Bis(2-ethylhexyl)phthalate	0.726	0.762	-	-5	20	101	0
Di-n-octylphthalate	1.212	1.246	-	-2.8	20	99	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	96	0
Benzo(k)fluoranthene	1.383	1.275	-	7.8	20	91	0
Benzo(a)pyrene	1.267	1.169	-	7.7	20	92	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/18/24 23:39	
Lab File ID	: ABN1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.087	-	11.9	20	90	0
Dibenzo(a,h)anthracene	1.213	1.062	-	12.4	20	88	0
Benzo(ghi)perylene	1.192	1.064	-	10.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/19/24 00:02	
Lab File ID	: AP91218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-4		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
Benzaldehyde	0.703	0.759	-	-8	20	86	0
Acetophenone	1.403	1.597	-	-13.8	20	95	0
m-Toluidine	1.287	1.445	-	-12.3	20	95	0
2-Chloroaniline	1.368	1.563	-	-14.3	20	95	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.243	-	-10	20	100	0
3-Chloroaniline	0.115	0.129	-	-12.2	20	100	0
2,6-Dichlorophenol	0.296	0.327	-	-10.5	20	99	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	100	0
Caprolactam	0.123	0.136	-	-10.6	20	104	0
1,2,4,5-Tetrachlorobenzene	0.413	0.414	-	-0.2	20	92	0
Biphenyl	0.842	0.882	-	-4.8	20	95	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.182	-	-7.7	20	106	0
Pentachloronitrobenzene	0.187	0.211	-	-12.8	20	113	0
IS2_Phenanthrene-d10	1	1	-	0	20	99	0
Diphenamid	0.416	0.452	-	-8.7	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/19/24 00:24	
Lab File ID	: ADP1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
1,4-Dioxane	0.381	0.413	-	-8.4	20	95	0
n-Decane	1.048	1.085	-	-3.5	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	102	0
Atrazine	0.343	0.337	-	1.7	20	101	0
IS3_Phenanthrene-d10	1	1	-	0	20	104	0
n-Octadecane	0.334	0.36	-	-7.8	20	113	0
Parathion	5	5.121	-	-2.4	20	120	0
3,3'-Dimethylbenzidine	0.728	0.677	-	7	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
n-Nitrosodimethylamine	0.739	0.736	-	0.4	20	117	0
Pyridine	1.143	1.211	-	-5.9	20	116	0
2-Fluorophenol	1.117	1.124	-	-0.6	20	117	0
Aniline	1.761	1.83	-	-3.9	20	119	0
2-Chlorophenol	1.265	1.316	-	-4	20	120	0
Phenol-d6	1.415	1.42	-	-0.4	20	117	0
Phenol	1.604	1.684	-	-5	20	120	0
Bis(2-chloroethyl)ether	1.219	1.254	-	-2.9	20	120	0
1,3-Dichlorobenzene	1.548	1.57	-	-1.4	20	120	0
1,4-Dichlorobenzene	1.564	1.564	-	0	20	117	0
1,2-Dichlorobenzene	1.522	1.525	-	-0.2	20	119	0
Benzyl alcohol	0.988	1.024	-	-3.6	20	118	0
Bis(2-chloroisopropyl)ethe	1.452	1.537	-	-5.9	20	120	0
2-Methylphenol	1.084	1.141	-	-5.3	20	123	0
Hexachloroethane	0.591	0.609	-	-3	20	122	0
n-Nitrosodi-n-propylamine	0.893	0.913	-	-2.2	20	122	0
3-Methylphenol/4-Methylphe	1.179	1.229	-	-4.2	20	119	0
Nitrobenzene-d5	1.273	1.334	-	-4.8	20	119	0
Nitrobenzene	1.315	1.357	-	-3.2	20	118	0
Isophorone	2.342	2.399	-	-2.4	20	114	0
2-Nitrophenol	0.614	0.686	-	-11.7	20	124	0
2,4-Dimethylphenol	1.099	1.189	-	-8.2	20	123	0
Bis(2-chloroethoxy)methane	1.615	1.659	-	-2.7	20	117	0
2,4-Dichlorophenol	1.203	1.261	-	-4.8	20	117	0
1,2,4-Trichlorobenzene	1.483	1.478	-	0.3	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	113	0
Naphthalene	1.049	1.077	-	-2.7	20	118	0
Benzoic Acid	0.249	0.212	-	14.9	20	109	0
4-Chloroaniline	0.123	0.131	-	-6.5	20	119	0
Hexachlorobutadiene	0.259	0.255	-	1.5	20	118	0
p-Chloro-m-cresol	0.285	0.303	-	-6.3	20	120	0
2-Methylnaphthalene	0.727	0.722	-	0.7	20	117	0
1-Methylnaphthalene	0.245	0.241	-	1.6	20	119	0
Hexachlorocyclopentadiene	0.27	0.294	-	-8.9	20	128	0
2,4,6-Trichlorophenol	0.267	0.286	-	-7.1	20	121	0
2,4,5-Trichlorophenol	0.286	0.302	-	-5.6	20	119	0
2-Fluorobiphenyl	0.914	0.91	-	0.4	20	116	0
2-Chloronaphthalene	0.774	0.767	-	0.9	20	115	0
2-Nitroaniline	0.202	0.212	-	-5	20	120	0
1,4-Dinitrobenzene	0.111	0.114	-	-2.7	20	119	0
1,3-Dinitrobenzene	0.126	0.131	-	-4	20	119	0
Dimethyl phthalate	0.917	0.926	-	-1	20	115	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.09	1.172	-	-7.5	20	118	0
2,6-Dinitrotoluene	0.175	0.194	-	-10.9	20	120	0
1,2-Dinitrobenzene	0.078	0.083	-	-6.4	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	114	0
3-Nitroaniline	0.313	0.322	-	-2.9	20	115	0
Acenaphthene	1.122	1.112	-	0.9	20	120	0
2,4-Dinitrophenol	5	4.934	-	1.3	20	135	0
Dibenzofuran	1.899	1.853	-	2.4	20	116	0
2,4-Dinitrotoluene	0.392	0.435	-	-11	20	118	0
4-Nitrophenol	0.245	0.257	-	-4.9	20	115	0
2,3,5,6-Tetrachlorophenol	0.412	0.44	-	-6.8	20	116	0
2,3,4,6-Tetrachlorophenol	0.402	0.434	-	-8	20	119	0
Diethyl phthalate	1.471	1.486	-	-1	20	113	0
Fluorene	1.446	1.445	-	0.1	20	116	0
4-Chlorophenyl phenyl ethe	0.792	0.754	-	4.8	20	114	0
4-Nitroaniline	0.311	0.339	-	-9	20	120	0
4,6-Dinitro-o-cresol	5	4.921	-	1.6	20	125	0
NDPA/DPA	1.205	1.252	-	-3.9	20	118	0
Azobenzene	1.314	1.395	-	-6.2	20	119	0
2,4,6-Tribromophenol	0.244	0.256	-	-4.9	20	121	0
4-Bromophenyl phenyl ether	0.505	0.497	-	1.6	20	118	0
Hexachlorobenzene	0.616	0.583	-	5.4	20	116	0
Pentachlorophenol	0.335	0.364	-	-8.7	20	120	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.122	1.093	-	2.6	20	115	0
Anthracene	1.087	1.103	-	-1.5	20	118	0
Carbazole	0.982	1.023	-	-4.2	20	117	0
Di-n-butylphthalate	1.059	1.159	-	-9.4	20	117	0
Fluoranthene	1.298	1.332	-	-2.6	20	117	0
Benzidine	0.667	0.777	-	-16.5	20	129	0
Pyrene	1.363	1.416	-	-3.9	20	116	0
4-Terphenyl-d14	1.068	1.105	-	-3.5	20	119	0
Butyl benzyl phthalate	0.471	0.525	-	-11.5	20	124	0
IS1_Chrysene-d12	1	1	-	0	20	117	0
Benzo(a)anthracene	1.25	1.273	-	-1.8	20	118	0
3,3'-Dichlorobenzidine	0.439	0.473	-	-7.7	20	121	0
Chrysene	1.276	1.215	-	4.8	20	118	0
Bis(2-ethylhexyl)phthalate	0.62	0.71	-	-14.5	20	122	0
Di-n-octylphthalate	0.957	1.155	-	-20.7*	20	126	0
Benzo(b)fluoranthene	1.3	1.286	-	1.1	20	109	0
Benzo(k)fluoranthene	1.194	1.322	-	-10.7	20	128	0
Benzo(a)pyrene	1.116	1.191	-	-6.7	20	119	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:24	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-3		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.157	1.176	-	-1.6	20	119	0
Dibenzo(a,h)anthracene	1.089	1.142	-	-4.9	20	123	0
Benzo(ghi)perylene	1.086	1.093	-	-0.6	20	123	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
n-Nitrosodimethylamine	0.76	0.706	-	7.1	20	81	0
Pyridine	1.219	1.054	-	13.5	20	75	0
2-Fluorophenol	1.245	1.129	-	9.3	20	79	0
Aniline	1.771	1.619	-	8.6	20	77	0
2-Chlorophenol	1.365	1.333	-	2.3	20	83	0
Phenol-d6	1.498	1.355	-	9.5	20	80	0
Phenol	1.555	1.771	-	-13.9	20	97	0
Bis(2-chloroethyl)ether	1.28	1.091	-	14.8	20	73	0
1,3-Dichlorobenzene	1.669	1.566	-	6.2	20	83	0
1,4-Dichlorobenzene	1.7	1.588	-	6.6	20	83	0
1,2-Dichlorobenzene	1.63	1.597	-	2	20	86	0
Benzyl alcohol	1.06	0.978	-	7.7	20	79	0
Bis(2-chloroisopropyl)ethe	2.014	1.164	-	42.2*	20	51	0
2-Methylphenol	1.123	1.071	-	4.6	20	81	0
Hexachloroethane	0.614	0.555	-	9.6	20	80	0
n-Nitrosodi-n-propylamine	0.94	0.785	-	16.5	20	71	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	79	0
Nitrobenzene-d5	1.359	1.187	-	12.7	20	75	0
Nitrobenzene	1.389	1.194	-	14	20	74	0
Isophorone	2.416	2.102	-	13	20	73	0
2-Nitrophenol	0.713	0.766	-	-7.4	20	88	0
2,4-Dimethylphenol	1.119	1.147	-	-2.5	20	88	0
Bis(2-chloroethoxy)methane	1.614	1.481	-	8.2	20	78	0
2,4-Dichlorophenol	1.25	1.242	-	0.6	20	82	0
1,2,4-Trichlorobenzene	1.449	1.475	-	-1.8	20	90	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.129	1.044	-	7.5	20	86	0
Benzoic Acid	5	4.91	-	1.8	20	89	0
4-Chloroaniline	0.127	0.104	-	18.1	20	72	0
Hexachlorobutadiene	0.239	0.225	-	5.9	20	84	0
p-Chloro-m-cresol	0.296	0.28	-	5.4	20	82	0
2-Methylnaphthalene	0.752	0.669	-	11	20	80	0
1-Methylnaphthalene	0.243	0.227	-	6.6	20	86	0
Hexachlorocyclopentadiene	0.262	0.259	-	1.1	20	89	0
2,4,6-Trichlorophenol	0.275	0.26	-	5.5	20	81	0
2,4,5-Trichlorophenol	0.285	0.264	-	7.4	20	82	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	80	0
2-Chloronaphthalene	0.785	0.706	-	10.1	20	82	0
2-Nitroaniline	0.223	0.209	-	6.3	20	80	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	81	0
1,3-Dinitrobenzene	0.125	0.122	-	2.4	20	80	0
Dimethyl phthalate	0.915	0.832	-	9.1	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.051	-	10.2	20	80	0
2,6-Dinitrotoluene	0.186	0.182	-	2.2	20	80	0
1,2-Dinitrobenzene	0.081	0.074	-	8.6	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	81	0
3-Nitroaniline	0.323	0.337	-	-4.3	20	82	0
Acenaphthene	1.157	1.098	-	5.1	20	81	0
2,4-Dinitrophenol	5	4.801	-	4	20	76	0
Dibenzofuran	1.872	1.739	-	7.1	20	80	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	79	0
4-Nitrophenol	0.239	0.212	-	11.3	20	67	0
2,3,5,6-Tetrachlorophenol	0.39	0.413	-	-5.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.385	0.398	-	-3.4	20	81	0
Diethyl phthalate	1.518	1.407	-	7.3	20	77	0
Fluorene	1.462	1.407	-	3.8	20	80	0
4-Chlorophenyl phenyl ethe	0.75	0.716	-	4.5	20	81	0
4-Nitroaniline	0.329	0.324	-	1.5	20	79	0
4,6-Dinitro-o-cresol	5	4.797	-	4.1	20	84	0
NDPA/DPA	1.261	1.216	-	3.6	20	79	0
Azobenzene	1.232	1.035	-	16	20	68	0
2,4,6-Tribromophenol	0.226	0.241	-	-6.6	20	85	0
4-Bromophenyl phenyl ether	0.465	0.466	-	-0.2	20	83	0
Hexachlorobenzene	0.526	0.532	-	-1.1	20	87	0
Pentachlorophenol	0.319	0.332	-	-4.1	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.174	1.077	-	8.3	20	78	0
Anthracene	1.17	1.099	-	6.1	20	80	0
Carbazole	1.054	0.987	-	6.4	20	77	0
Di-n-butylphthalate	1.319	1.272	-	3.6	20	77	0
Fluoranthene	1.353	1.288	-	4.8	20	78	0
Benzidine	0.776	0.812	-	-4.6	20	79	0
Pyrene	1.428	1.356	-	5	20	78	0
4-Terphenyl-d14	1.073	1.049	-	2.2	20	81	0
Butyl benzyl phthalate	0.555	0.595	-	-7.2	20	81	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.379	1.318	-	4.4	20	82	0
3,3'-Dichlorobenzidine	0.453	0.48	-	-6	20	84	0
Chrysene	1.324	1.244	-	6	20	81	0
Bis(2-ethylhexyl)phthalate	0.828	0.86	-	-3.9	20	78	0
Di-n-octylphthalate	1.373	1.53	-	-11.4	20	83	0
Benzo(b)fluoranthene	1.331	1.444	-	-8.5	20	92	0
Benzo(k)fluoranthene	1.24	1.231	-	0.7	20	80	0
Benzo(a)pyrene	1.155	1.253	-	-8.5	20	88	0
IS1_Perylene-d12	1	1	-	0	20	88	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:28	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.233	-	-1.6	20	90	0
Dibenzo(a,h)anthracene	1.153	1.189	-	-3.1	20	90	0
Benzo(ghi)perylene	1.08	1.127	-	-4.4	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:47	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-4		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	131	0
Benzaldehyde	0.832	0.794	-	4.6	20	134	0
Acetophenone	1.813	1.571	-	13.3	20	125	0
m-Toluidine	1.357	1.4	-	-3.2	20	136	0
2-Chloroaniline	1.57	1.444	-	8	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.253	0.252	-	0.4	20	141	0
3-Chloroaniline	0.13	0.127	-	2.3	20	127	0
2,6-Dichlorophenol	0.312	0.299	-	4.2	20	128	0
1-chloro-2-nitrobenzene	0.141	0.136	-	3.5	20	130	0
Caprolactam	5	4.351	-	13	20	130	0
1,2,4,5-Tetrachlorobenzene	0.468	0.405	-	13.5	20	122	0
Biphenyl	0.969	0.856	-	11.7	20	123	0
IS2_Acenaphthene-d10	1	1	-	0	20	134	0
Dichloran	0.169	0.17	-	-0.6	20	141	0
Pentachloronitrobenzene	0.19	0.19	-	0	20	136	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.455	0.438	-	3.7	20	132	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:52	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.79	-	16.7	20	68	0
Acetophenone	1.829	1.611	-	11.9	20	75	0
m-Toluidine	1.612	1.395	-	13.5	20	72	0
2-Chloroaniline	1.609	1.524	-	5.3	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.282	0.201	-	28.7*	20	61	0
3-Chloroaniline	0.132	0.104	-	21.2*	20	64	0
2,6-Dichlorophenol	0.3	0.277	-	7.7	20	76	0
1-chloro-2-nitrobenzene	0.145	0.132	-	9	20	77	0
Caprolactam	0.147	0.104	-	29.3*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.372	-	7.5	20	80	0
Biphenyl	0.907	0.822	-	9.4	20	76	0
IS2_Acenaphthene-d10	1	1	-	0	20	88	0
Dichloran	0.181	0.183	-	-1.1	20	90	0
Pentachloronitrobenzene	0.193	0.195	-	-1	20	86	0
IS2_Phenanthrene-d10	1	1	-	0	20	85	0
Diphenamid	0.505	0.517	-	-2.4	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 12:11	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-5		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
1,4-Dioxane	0.487	0.439	-	9.9	20	112	0
n-Decane	1.199	1.158	-	3.4	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	118	0
Atrazine	0.372	0.35	-	5.9	20	115	0
IS3_Phenanthrene-d10	1	1	-	0	20	116	0
n-Octadecane	0.315	0.334	-	-6	20	121	0
Parathion	5	4.771	-	4.6	20	125	0
3,3'-Dimethylbenzidine	5	4.723	-	5.5	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 12:15	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.485	0.376	-	22.5*	20	73	0
n-Decane	1.486	1.059	-	28.7*	20	64	0
IS3_Acenaphthene-d10	1	1	-	0	20	85	0
Atrazine	0.415	0.347	-	16.4	20	75	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.485	0.33	-	32*	20	58	0
Parathion	5	4.737	-	5.3	20	91	0
3,3'-Dimethylbenzidine	0.821	0.733	-	10.7	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	72	0.00
2	t	n-Nitrosodimethylamine		0.760	0.676	11.1	64	0.00
3	t	Pyridine		1.219	1.149	5.7	68	0.00
4	S	2-Fluorophenol		1.245	1.117	10.3	65	0.00
5	T	Aniline		1.771	1.590	10.2	63	0.00
6	t	2-Chlorophenol		1.365	1.299	4.8	67	0.00
7	S	Phenol-d6		1.498	1.314	12.3	64	0.00
8	T	Phenol		1.555	1.353	13.0	62	0.00
9	T	Bis(2-chloroethyl)ether		1.280	1.070	16.4	59	0.00
10	T	1,3-Dichlorobenzene		1.669	1.511	9.5	66	0.00
11	T	1,4-Dichlorobenzene		1.700	1.515	10.9	66	0.00
12	T	1,2-Dichlorobenzene		1.630	1.466	10.1	65	0.00
13	t	Benzyl alcohol		1.060	0.900	15.1	61	0.00
14	T	Bis(2-chloroisopropyl)ether		2.014	1.412	29.9#	51	0.00
15	T	2-Methylphenol		1.123	1.110	1.2	70	0.00
16	T	Hexachloroethane		0.614	0.589	4.1	70	0.00
17	T	n-Nitrosodi-n-propylamine		0.940	0.824	12.3	61	0.00
18	T	3-Methylphenol/4-Methylphen		1.225	1.159	5.4	66	0.00
19	S	Nitrobenzene-d5		1.359	1.242	8.6	65	0.00
20	T	Nitrobenzene		1.389	1.233	11.2	64	0.00
21	T	Isophorone		2.416	2.048	15.2	59	0.00
22	T	2-Nitrophenol		0.713	0.691	3.1	66	0.00
23	T	2,4-Dimethylphenol		1.119	0.945	15.5	60	0.00
24	T	Bis(2-chloroethoxy)methane		1.614	1.356	16.0	59	0.00
25	T	2,4-Dichlorophenol		1.250	1.194	4.5	66	0.00
26	T	1,2,4-Trichlorobenzene		1.449	1.309	9.7	66	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	69	0.00
36	T	Naphthalene		1.129	1.011	10.5	64	0.00
37	T	Benzoic Acid	*	5.000	4.589	8.2	63	0.00
38	T	4-Chloroaniline		0.127	0.108	15.0	58	0.00
39	T	Hexachlorobutadiene		0.239	0.237	0.8	68	0.00
40	T	p-Chloro-m-cresol		0.296	0.284	4.1	64	0.00
41	T	2-Methylnaphthalene		0.752	0.700	6.9	65	0.00
42	T	1-Methylnaphthalene		0.243	0.236	2.9	69	0.00
43	T	Hexachlorocyclopentadiene		0.262	0.263	-0.4	70	0.00
44	T	2,4,6-Trichlorophenol		0.275	0.263	4.4	64	0.00
45	T	2,4,5-Trichlorophenol		0.285	0.276	3.2	66	0.00
46	S	2-Fluorobiphenyl		0.926	0.825	10.9	62	0.00

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.785	0.797	-1.5	72	0.00
48	T	2-Nitroaniline		0.223	0.238	-6.7	70	0.00
49	T	1,4-Dinitrobenzene		0.114	0.122	-7.0	69	0.00
50	T	1,3-Dinitrobenzene		0.125	0.135	-8.0	69	0.00
51	T	Dimethyl phthalate		0.915	0.945	-3.3	69	0.00
52	T	Acenaphthylene		1.170	1.214	-3.8	71	0.00
53	T	2,6-Dinitrotoluene		0.186	0.202	-8.6	68	0.00
54	T	1,2-Dinitrobenzene		0.081	0.084	-3.7	68	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	74	0.00
64	T	3-Nitroaniline		0.323	0.319	1.2	70	0.00
65	T	Acenaphthene		1.157	1.065	8.0	71	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.113	-2.3	74	0.00
67	T	Dibenzofuran		1.872	1.681	10.2	70	0.00
68	T	2,4-Dinitrotoluene		0.419	0.413	1.4	70	0.00
69	T	4-Nitrophenol		0.239	0.216	9.6	62	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.390	0.397	-1.8	72	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.385	0.388	-0.8	71	0.00
72	T	Diethyl phthalate		1.518	1.341	11.7	67	0.00
73	T	Fluorene		1.462	1.357	7.2	70	0.00
74	T	4-Chlorophenyl phenyl ether		0.750	0.677	9.7	69	0.00
75	T	4-Nitroaniline		0.329	0.307	6.7	68	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.505	9.9	71	0.00
77	T	NDPA/DPA		1.261	1.183	6.2	69	0.00
78	T	Azobenzene		1.232	1.042	15.4	62	0.00
79	S	2,4,6-Tribromophenol		0.226	0.224	0.9	72	0.00
80	T	4-Bromophenyl phenyl ether		0.465	0.427	8.2	69	0.00
81	T	Hexachlorobenzene		0.526	0.493	6.3	73	0.00
82	T	Pentachlorophenol		0.319	0.315	1.3	71	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	70	0.00
89	T	Phenanthrene		1.174	1.105	5.9	69	0.00
90	T	Anthracene		1.170	1.104	5.6	70	0.00
91	T	Carbazole		1.054	1.022	3.0	69	0.00
92	T	Di-n-butylphthalate		1.319	1.267	3.9	66	0.00
93	T	Fluoranthene		1.353	1.334	1.4	70	0.00
94	T	Benzidine		0.776	0.784	-1.0	66	0.00
95	T	Pyrene		1.428	1.393	2.5	70	0.00
96	S	4-Terphenyl-d14		1.073	1.088	-1.4	72	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.555	0.579	-4.3	68	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	75	0.00
105	T	Benzo(a)anthracene	1.379	1.274	7.6	72	0.00
106	T	3,3'-Dichlorobenzidine	0.453	0.456	-0.7	73	0.00
107	T	Chrysene	1.324	1.203	9.1	71	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.828	0.785	5.2	66	0.00
109	T	Di-n-octylphthalate	1.373	1.372	0.1	68	0.00
110	T	Benzo(b)fluoranthene	1.331	1.391	-4.5	81	0.00
111	T	Benzo(k)fluoranthene	1.240	1.214	2.1	72	0.00
112	T	Benzo(a)pyrene	1.155	1.207	-4.5	78	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	80	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.213	1.264	-4.2	84	0.00
115	T	Dibenzo(a,h)anthracene	1.153	1.199	-4.0	83	0.00
116	T	Benzo(ghi)perylene	1.080	1.141	-5.6	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
1)	IS1_1,4-Dichlorobenzen...	6.639	152	49612	4.000	ug/ml	0.00
35)	IS1_Naphthalene-d8	8.045	136	183058	4.000	ug/ml	0.00
63)	IS1_Acenaphthene-d10	9.810	164	122903	4.000	ug/ml	0.00
88)	IS1_Phenanthrene-d10	11.251	188	229574	4.000	ug/ml	0.00
104)	IS1_Chrysene-d12	13.904	240	264435	4.000	ug/ml	0.00
113)	IS1_Perylene-d12	15.386	264	304444	4.000	ug/ml	0.00
	System Monitoring Compounds						
4)	2-Fluorophenol	4.840	112	69263	4.487	ug/ml	0.00
	Spiked Amount 2.000	Range 15 - 110		Recovery = 224.35%#			
7)	Phenol-d6	6.269	99	81460	4.385	ug/ml	0.00
	Spiked Amount 2.000	Range 15 - 110		Recovery = 219.25%#			
19)	Nitrobenzene-d5	7.286	82	77003	4.567	ug/ml	0.00
	Spiked Amount 1.000	Range 30 - 130		Recovery = 456.70%#			
46)	2-Fluorobiphenyl	9.163	172	188753	4.455	ug/ml	0.00
	Spiked Amount 1.000	Range 30 - 130		Recovery = 445.50%#			
79)	2,4,6-Tribromophenol	10.580	330	34441	4.953	ug/ml	0.00
	Spiked Amount 2.000	Range 15 - 110		Recovery = 247.65%#			
96)	4-Terphenyl-d14	12.833	244	312195	5.067	ug/ml	0.00
	Spiked Amount 1.000	Range 30 - 130		Recovery = 506.70%#			
	Target Compounds						Qvalue
2)	n-Nitrosodimethylamine	2.375	74	41925	4.447	ug/ml#	60
3)	Pyridine	2.422	79	71240	4.713	ug/ml#	57
5)	Aniline	6.245	93	98632	4.490	ug/ml	93
6)	2-Chlorophenol	6.386	128	80548	4.757	ug/ml#	84
8)	Phenol	6.286	94	83884	4.351	ug/ml	95
9)	Bis(2-chloroethyl)ether	6.363	93	66385	4.180	ug/ml	93
10)	1,3-Dichlorobenzene	6.569	146	93685	4.526	ug/ml	97
11)	1,4-Dichlorobenzene	6.663	146	93935	4.456	ug/ml	97
12)	1,2-Dichlorobenzene	6.839	146	90930	4.497	ug/ml	96
13)	Benzyl alcohol	6.839	79	55785	4.243	ug/ml	97
14)	Bis(2-chloroisopropyl)...	7.010	45	87587	3.507	ug/ml#	32
15)	2-Methylphenol	7.004	108	68808	4.939	ug/ml	97
16)	Hexachloroethane	7.222	117	36555	4.801	ug/ml#	56
17)	n-Nitrosodi-n-propylamine	7.157	70	51121	4.384	ug/ml	99
18)	3-Methylphenol/4-Methy...	7.186	108	71892	4.731	ug/ml	97
20)	Nitrobenzene	7.304	77	76465	4.439	ug/ml	92
21)	Isophorone	7.580	82	127036	4.239	ug/ml#	96
22)	2-Nitrophenol	7.657	139	42845	4.848	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.751	107	58587	4.223	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.845	93	84119	4.202	ug/ml	98
25) 2,4-Dichlorophenol	7.922	162	74018	4.774	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.998	180	81204	4.519	ug/ml	97
36) Naphthalene	8.069	128	231395	4.477	ug/ml	100
37) Benzoic Acid	7.833	105	44281	4.589	ug/ml	92
38) 4-Chloroaniline	8.145	65	24699	4.261	ug/ml#	59
39) Hexachlorobutadiene	8.233	225	54132	4.954	ug/ml	98
40) p-Chloro-m-cresol	8.669	107	64934	4.790	ug/ml	94
41) 2-Methylnaphthalene	8.780	142	160141	4.650	ug/ml	97
42) 1-Methylnaphthalene	8.880	115	54015	4.848	ug/ml	95
43) Hexachlorocyclopentadiene	8.957	237	60071	5.012	ug/ml	100
44) 2,4,6-Trichlorophenol	9.075	196	60151	4.776	ug/ml	98
45) 2,4,5-Trichlorophenol	9.104	196	63151	4.843	ug/ml	98
47) 2-Chloronaphthalene	9.263	162	182283	5.077	ug/ml	96
48) 2-Nitroaniline	9.374	138	54405	5.323	ug/ml#	78
49) 1,4-Dinitrobenzene	9.504	168	27967	5.359	ug/ml#	69
50) 1,3-Dinitrobenzene	9.580	168	30926	5.406	ug/ml#	1
51) Dimethyl phthalate	9.574	163	216299	5.168	ug/ml#	99
52) Acenaphthylene	9.663	152	277726	5.188	ug/ml	99
53) 2,6-Dinitrotoluene	9.616	165	46130	5.421	ug/ml#	72
54) 1,2-Dinitrobenzene	9.663	168	19310	5.235	ug/ml#	1
64) 3-Nitroaniline	9.774	138	49042	4.941	ug/ml#	86
65) Acenaphthene	9.839	154	163623	4.602	ug/ml	91
66) 2,4-Dinitrophenol	9.874	184	30713	5.113	ug/ml#	86
67) Dibenzofuran	10.010	168	258251	4.490	ug/ml	97
68) 2,4-Dinitrotoluene	10.010	165	63506	4.931	ug/ml#	82
69) 4-Nitrophenol	9.957	65	33188	4.521	ug/ml#	70
70) 2,3,5,6-Tetrachlorophenol	10.098	232	61001	5.085	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	10.139	232	59617	5.035	ug/ml	98
72) Diethyl phthalate	10.269	149	206004	4.417	ug/ml	98
73) Fluorene	10.345	166	208495	4.642	ug/ml	97
74) 4-Chlorophenyl phenyl ...	10.357	204	103982	4.510	ug/ml	92
75) 4-Nitroaniline	10.363	138	47184	4.672	ug/ml#	74
76) 4,6-Dinitro-o-cresol	10.404	198	38936	4.505	ug/ml#	54
77) NDPA/DPA	10.474	169	181681	4.688	ug/ml	99
78) Azobenzene	10.510	77	160042	4.226	ug/ml#	87
80) 4-Bromophenyl phenyl e...	10.833	248	65547	4.589	ug/ml#	84
81) Hexachlorobenzene	10.886	284	75792	4.687	ug/ml#	80
82) Pentachlorophenol	11.074	266	48426	4.948	ug/ml	98
89) Phenanthrene	11.269	178	317167	4.709	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	11.321	178	316864	4.718	ug/ml	100
91) Carbazole	11.486	167	293213	4.848	ug/ml	99
92) Di-n-butylphthalate	11.868	149	363714	4.805	ug/ml	98
93) Fluoranthene	12.433	202	382874	4.929	ug/ml#	91
94) Benzidine	12.580	184	225115	5.055	ug/ml#	94
95) Pyrene	12.651	202	399865	4.879	ug/ml	100
97) Butyl benzyl phthalate	13.362	149	166081	5.219	ug/ml#	83
105) Benzo(a)anthracene	13.898	228	421080	4.618	ug/ml	99
106) 3,3'-Dichlorobenzidine	13.892	252	150767	5.033	ug/ml#	96
107) Chrysene	13.933	228	397583	4.544	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	14.004	149	259536	4.741	ug/ml	93
109) Di-n-octylphthalate	14.686	149	453418	4.995	ug/ml#	69
110) Benzo(b)fluoranthene	15.009	252	459757	5.226	ug/ml#	91
111) Benzo(k)fluoranthene	15.039	252	401238	4.896	ug/ml#	93
112) Benzo(a)pyrene	15.327	252	398809	5.223	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	16.398	276	480901M6	5.211	ug/mL	
115) Dibenzo(a,h)anthracene	16.421	278	456172	5.197	ug/ml#	88
116) Benzo(ghi)perylene	16.668	276	434164	5.283	ug/ml#	85

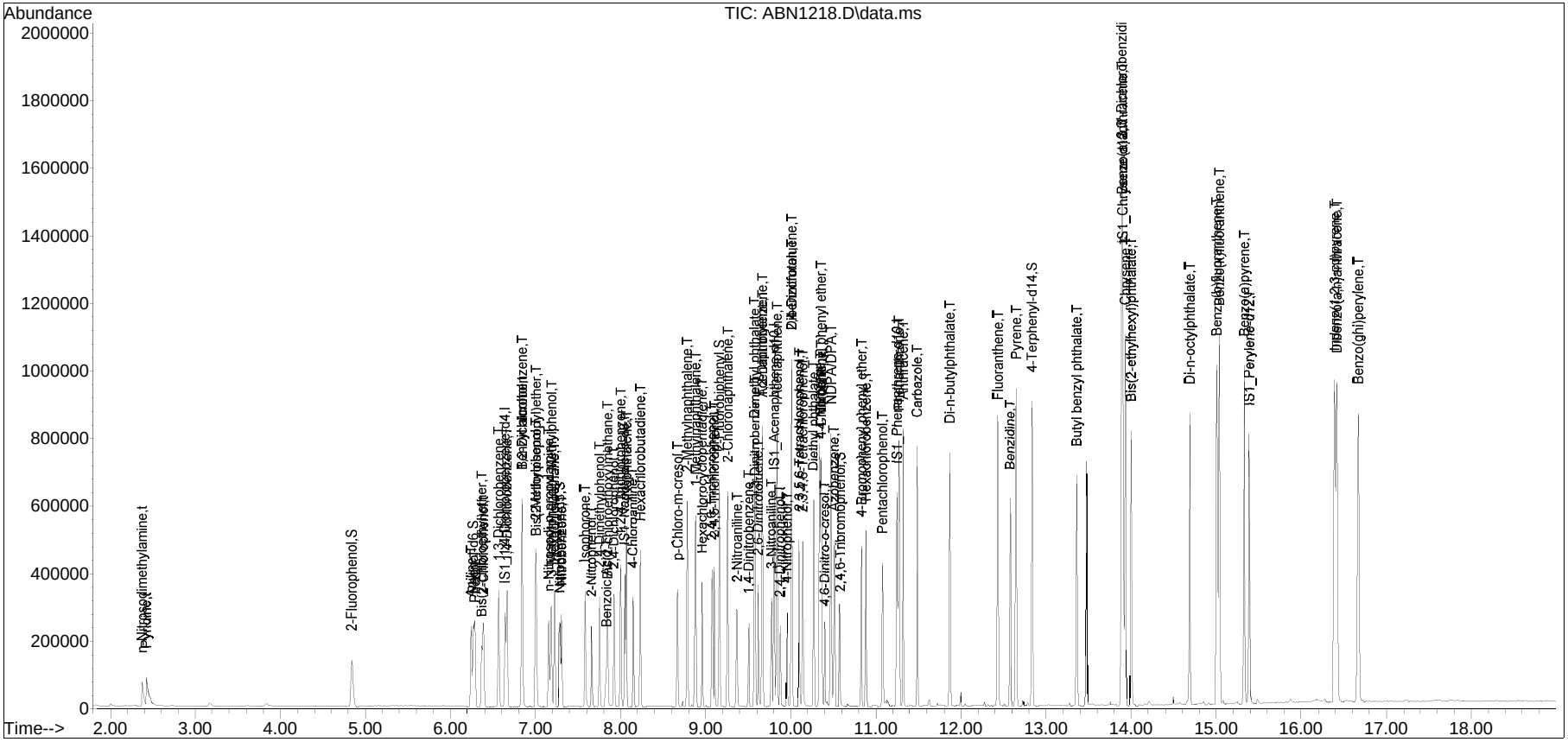
(#) = qualifier out of range (m) = manual integration (+) = signals summed

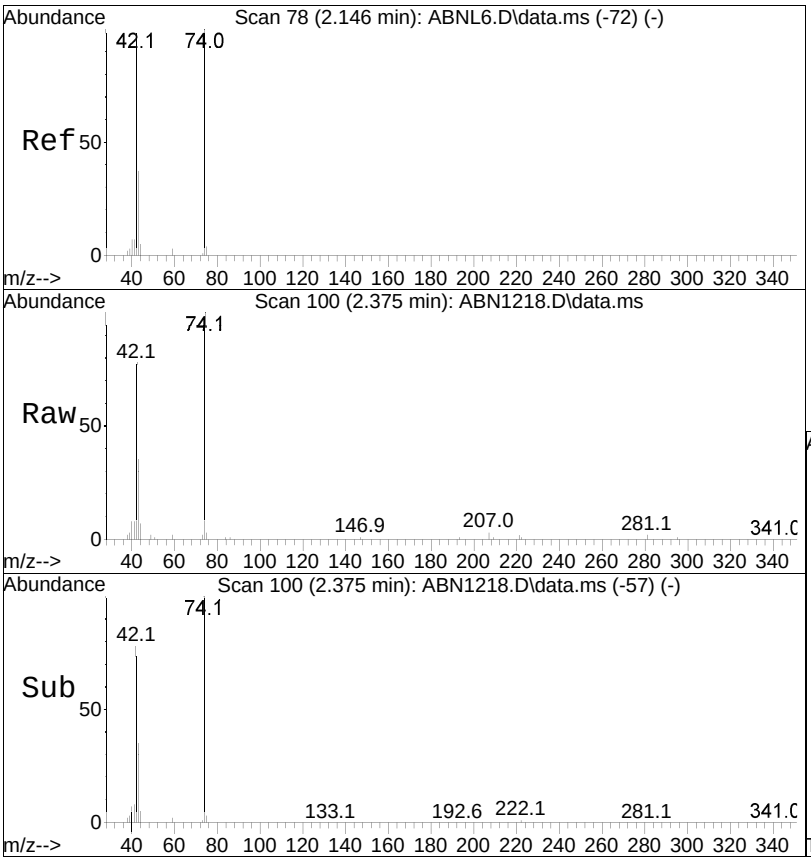
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : ABN1218.D
Acq On : 18 Dec 2024 10:19 pm
Operator : SV106:im
Sample : WG2011026-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011026,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 18 23:00:16 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:01:54 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

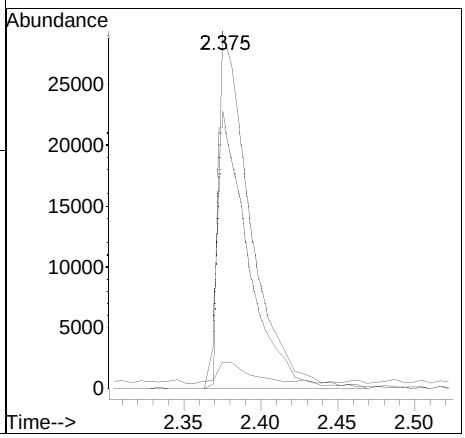


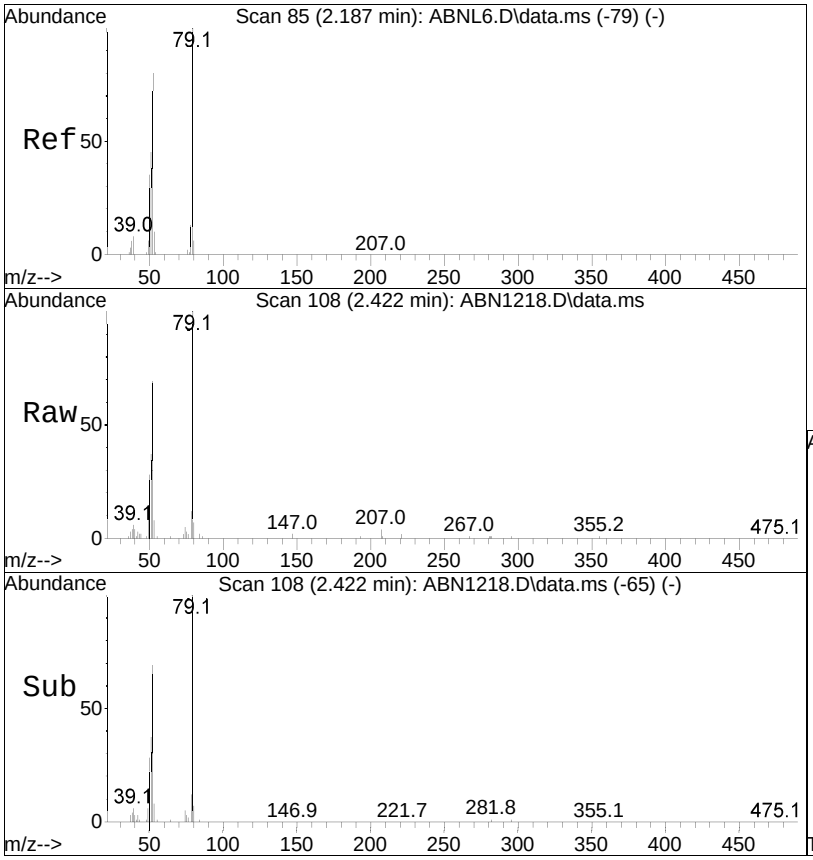


#2
n-Nitrosodimethylamine
Concen: 4.45 ug/ml
RT: 2.375 min Scan# 100
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 74 Resp: 41925

Ion	Ratio	Lower	Upper
74	100		
42	76.8	100.0	150.0#
44	6.1	6.7	10.1#

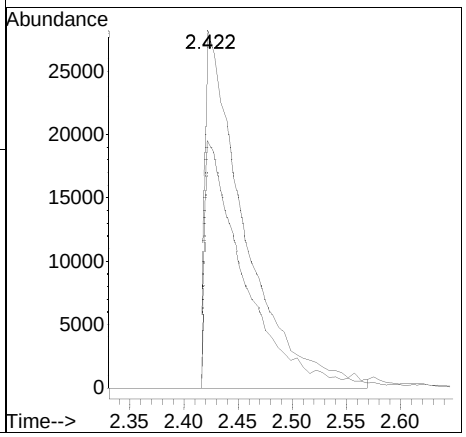


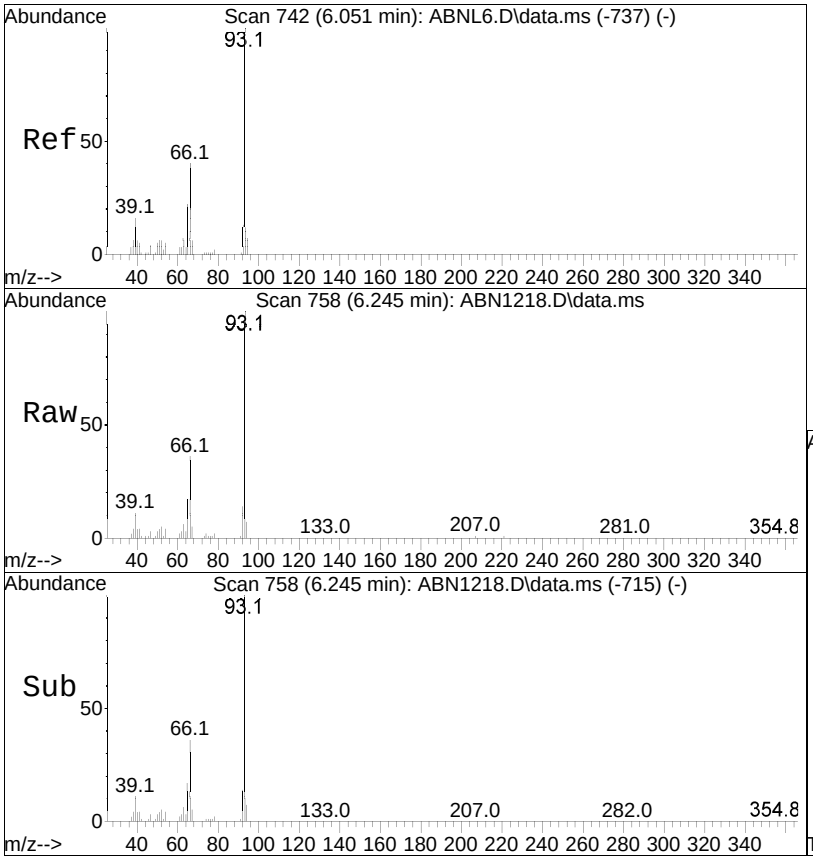


#3
Pyridine
Concen: 4.71 ug/ml
RT: 2.422 min Scan# 108
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 79 Resp: 71240

Ion	Ratio	Lower	Upper
79	100		
52	69.8	93.1	139.7#

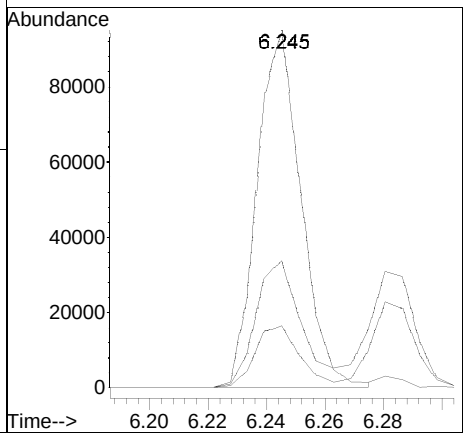


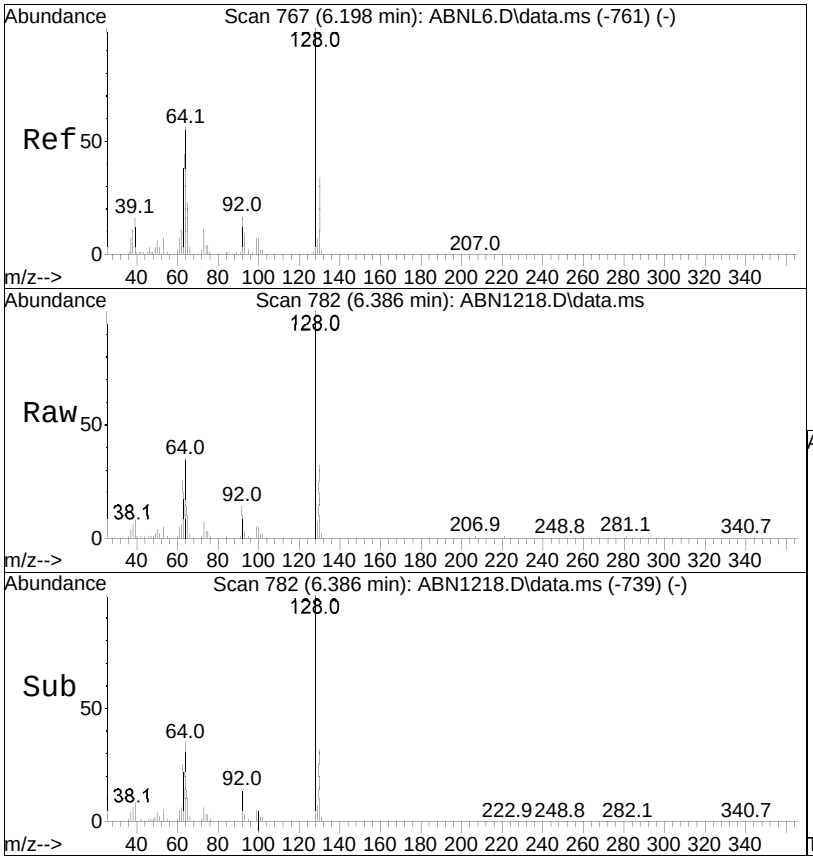


#5
Aniline
Concen: 4.49 ug/ml
RT: 6.245 min Scan# 758
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 93 Resp: 98632

Ion	Ratio	Lower	Upper
93	100		
66	37.3	32.6	49.0
65	17.9	17.6	26.4

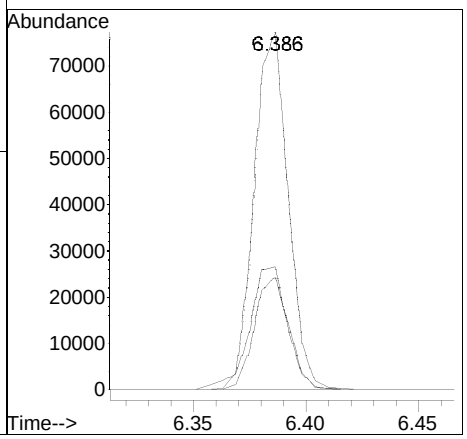


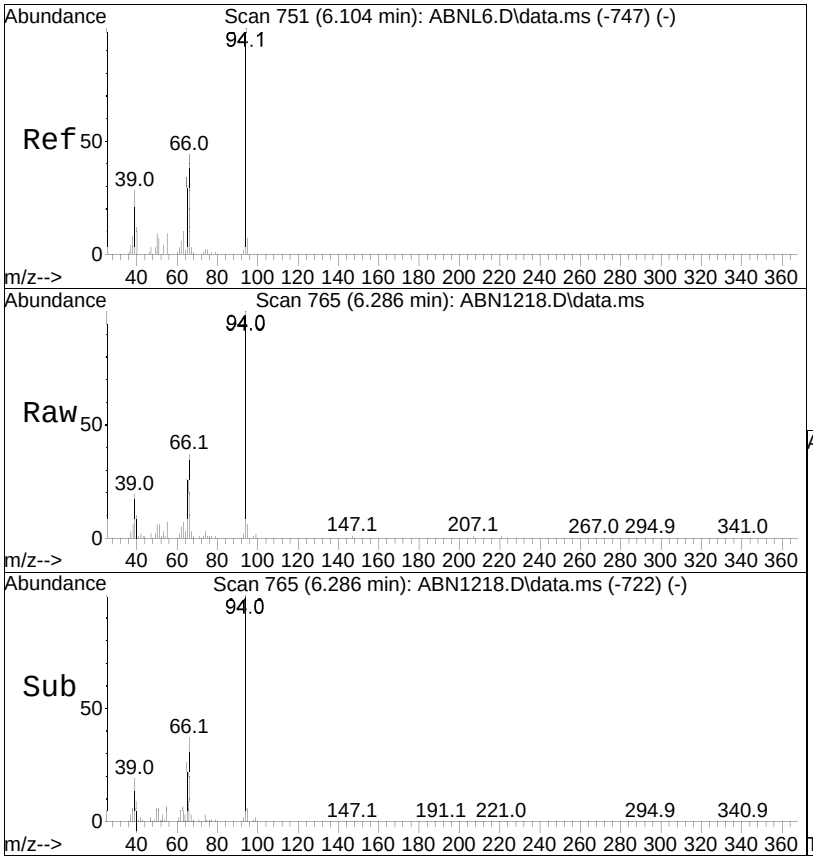


#6
2-Chlorophenol
Concen: 4.76 ug/ml
RT: 6.386 min Scan# 782
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:128 Resp: 80548

Ion	Ratio	Lower	Upper
128	100		
64	38.3	45.1	67.7#
130	32.1	26.2	39.4

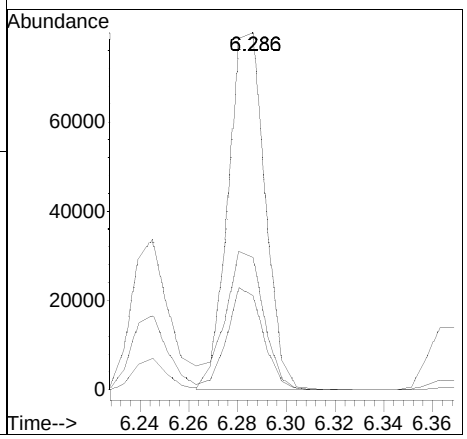


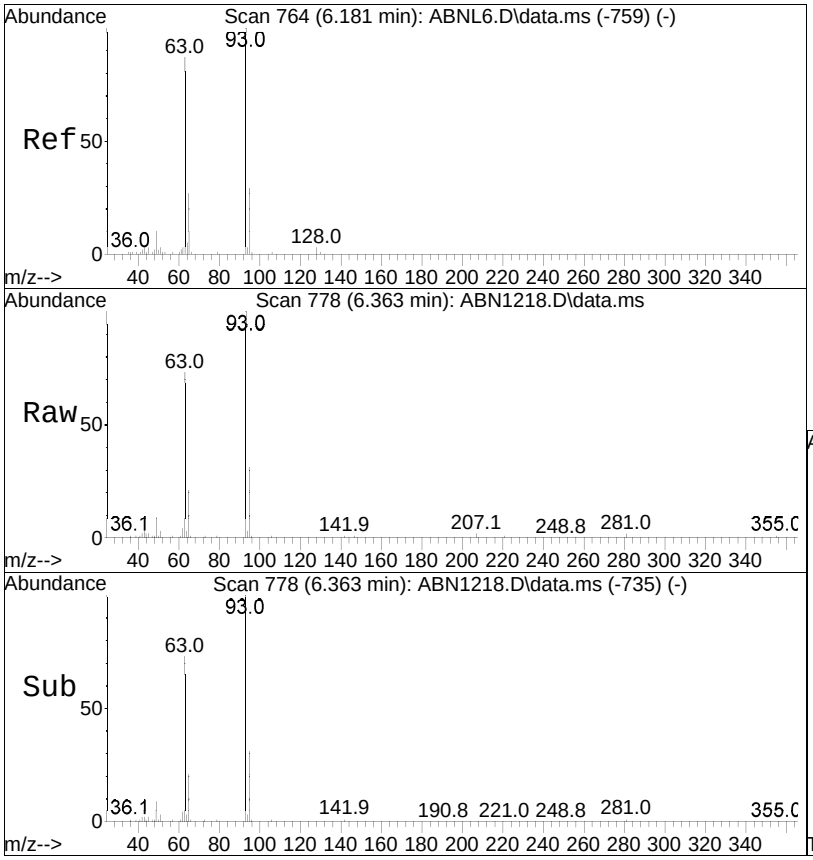


#8
Phenol
Concen: 4.35 ug/ml
RT: 6.286 min Scan# 765
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 94 Resp: 83884

Ion	Ratio	Lower	Upper
94	100		
65	28.3	26.0	39.0
66	40.8	33.8	50.8

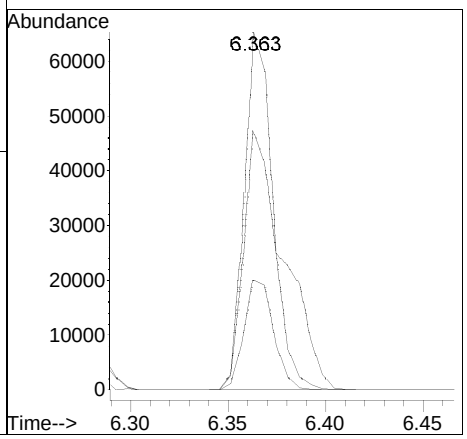


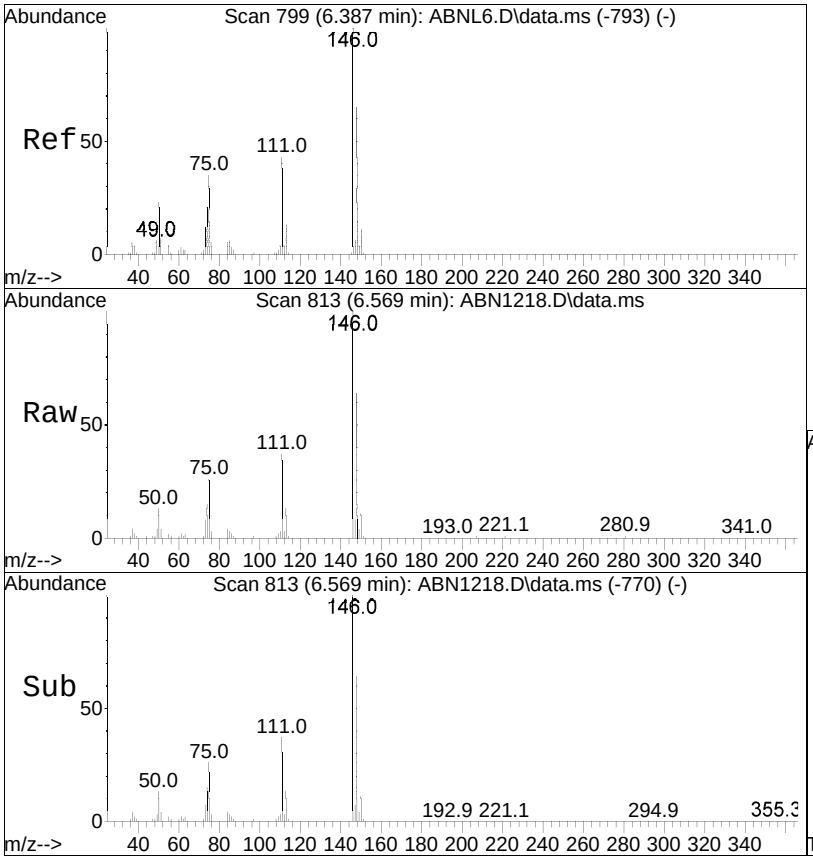


#9
Bis(2-chloroethyl)ether
Concen: 4.18 ug/ml
RT: 6.363 min Scan# 778
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 93 Resp: 66385

Ion	Ratio	Lower	Upper
93	100		
63	101.4	74.6	111.8
95	31.9	25.9	38.9

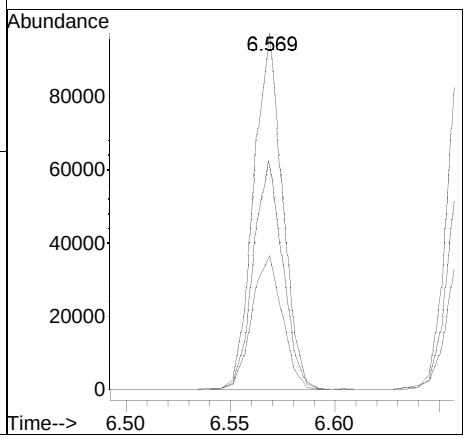


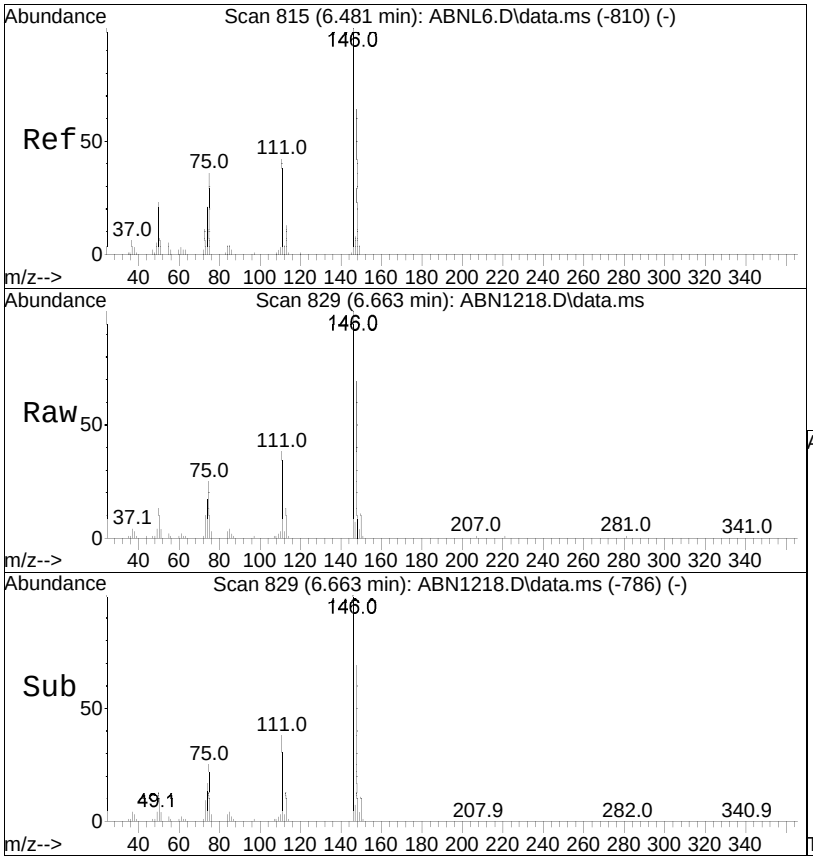


#10
1,3-Dichlorobenzene
Concen: 4.53 ug/ml
RT: 6.569 min Scan# 813
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:146 Resp: 93685

Ion	Ratio	Lower	Upper
146	100		
111	39.4	34.3	51.5
148	65.2	50.8	76.2

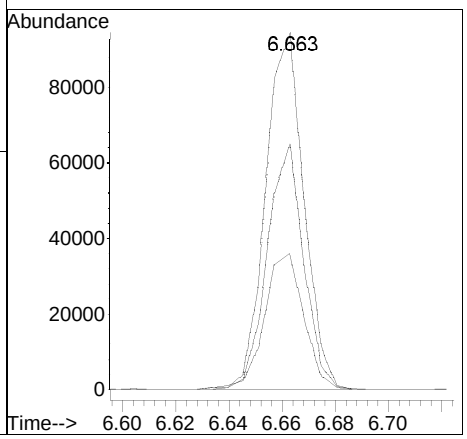


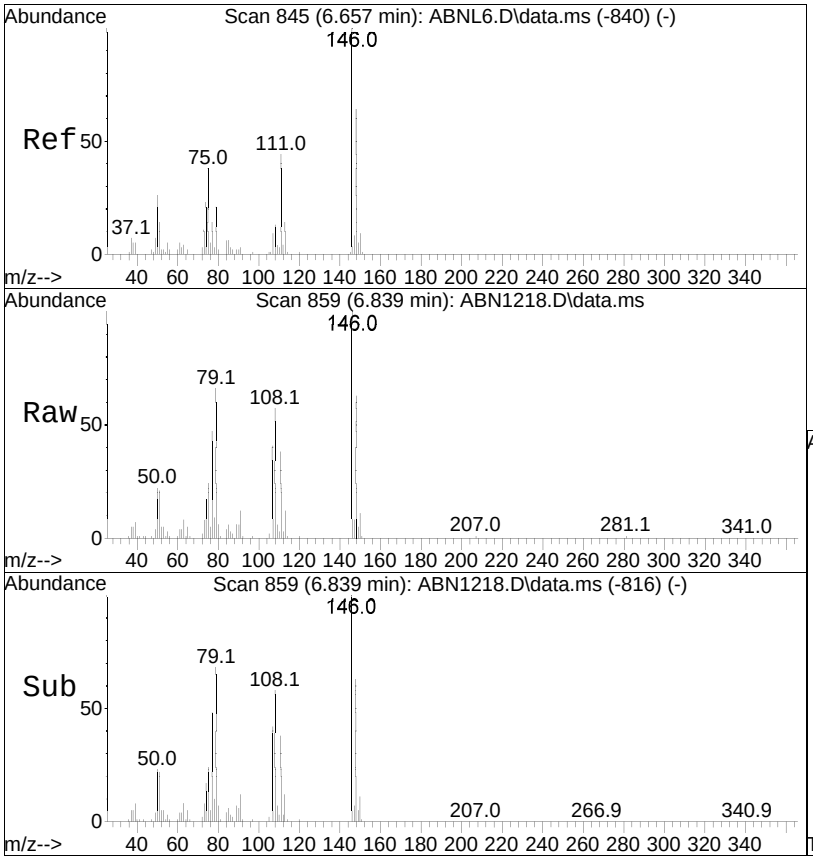


#11
1,4-Dichlorobenzene
Concen: 4.46 ug/ml
RT: 6.663 min Scan# 829
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:146 Resp: 93935

Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.7	76.1
111	39.5	33.4	50.0

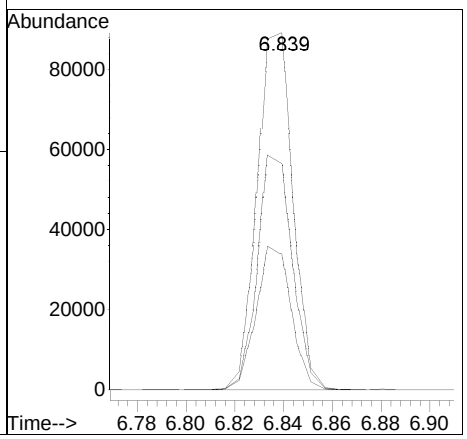


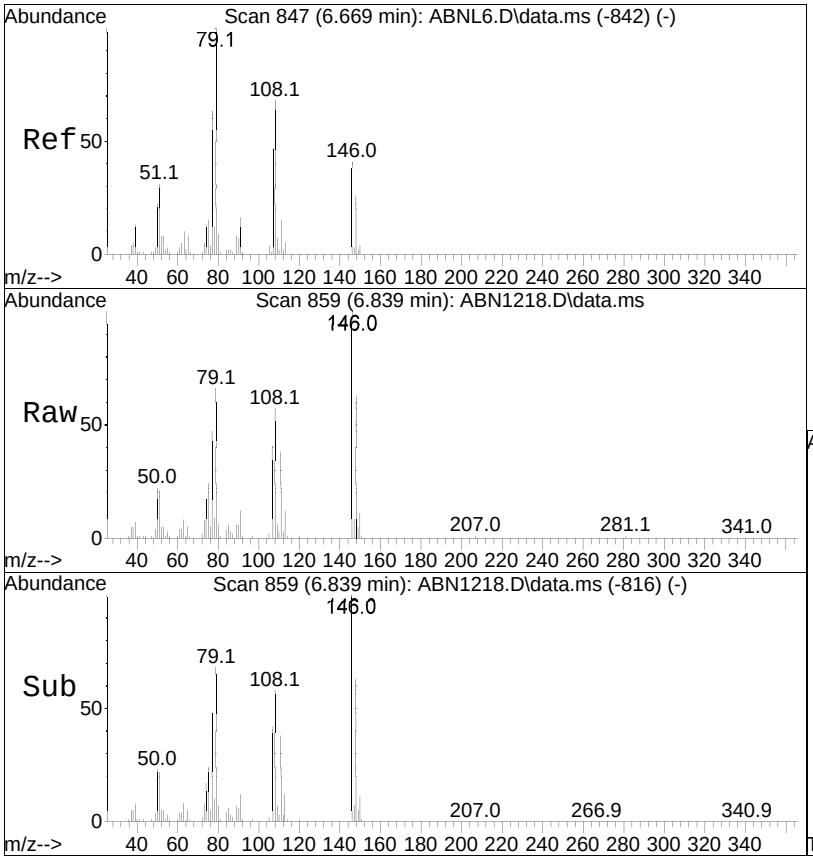


#12
1,2-Dichlorobenzene
Concen: 4.50 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:146 Resp: 90930

Ion	Ratio	Lower	Upper
146	100		
111	39.6	34.6	52.0
148	64.5	50.2	75.4

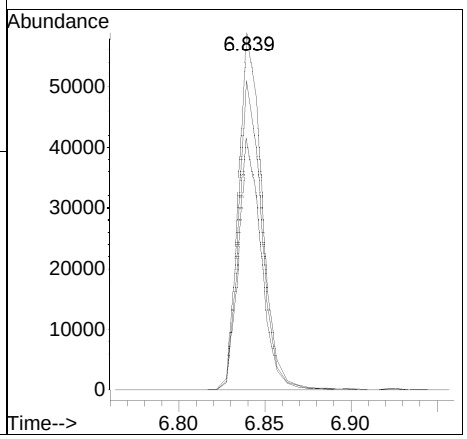


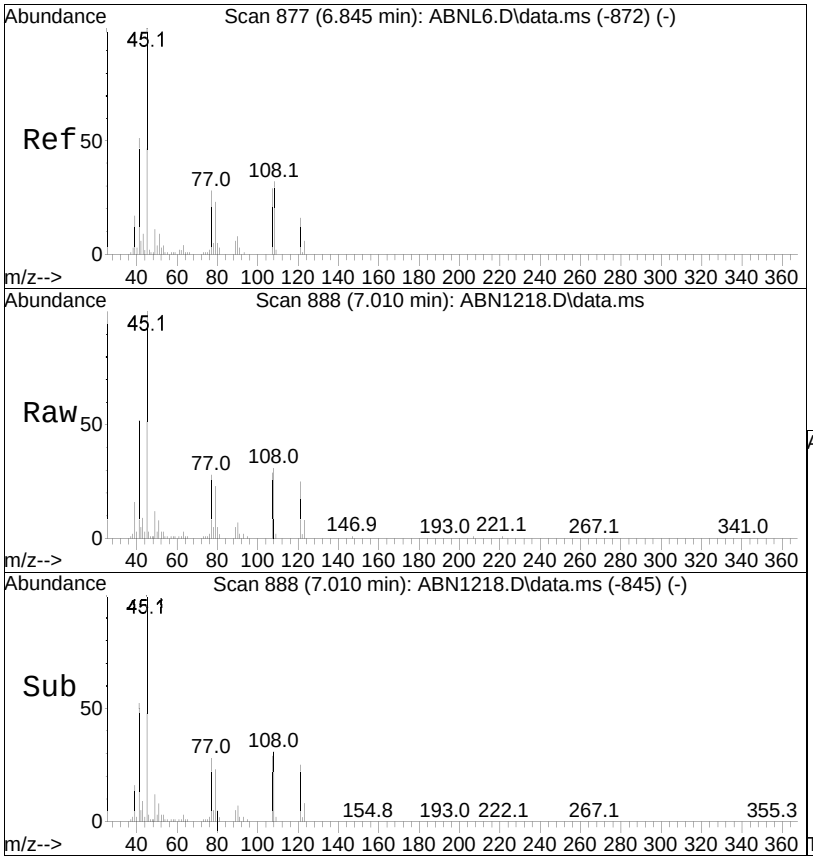


#13
Benzyl alcohol
Concen: 4.24 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 79 Resp: 55785

Ion	Ratio	Lower	Upper
79	100		
77	68.3	54.9	82.3
108	83.6	63.1	94.7

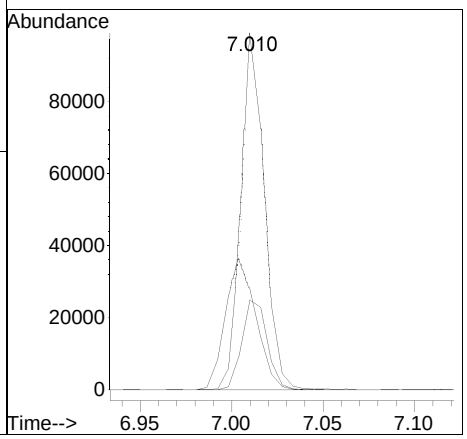


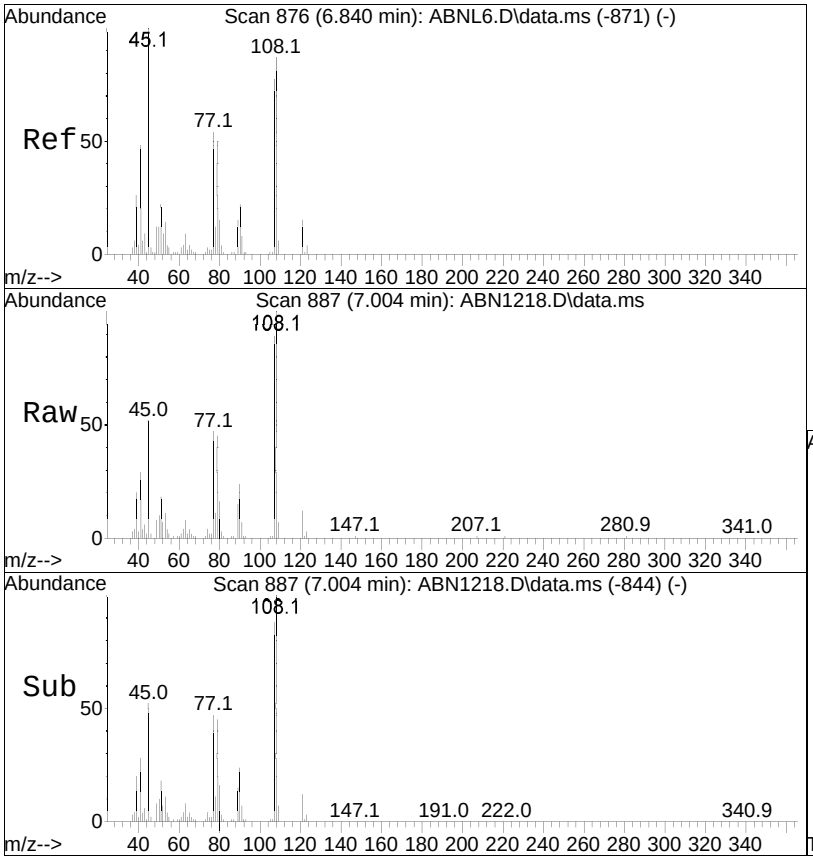


#14
Bis(2-chloroisopropyl)ether
Concen: 3.51 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 45 Resp: 87587

Ion	Ratio	Lower	Upper
45	100		
121	27.2	9.8	14.6#
77	48.2	6.1	9.1#

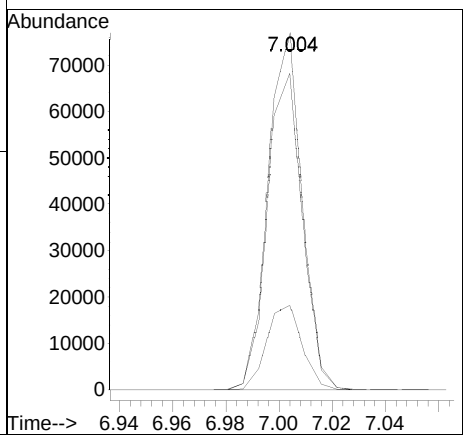


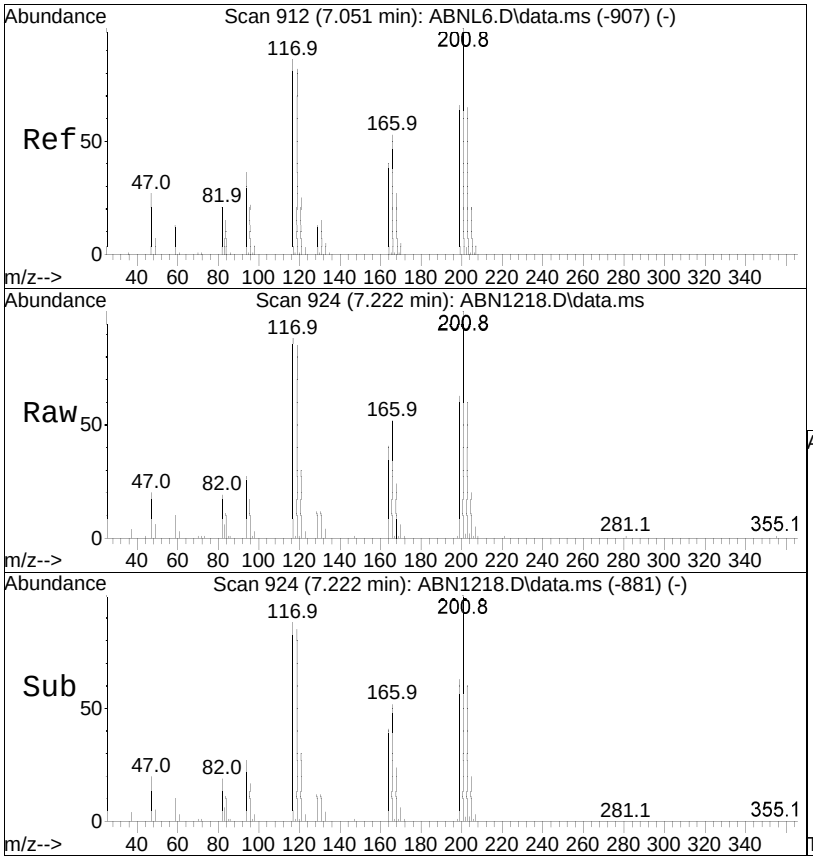


#15
2-Methylphenol
Concen: 4.94 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:108 Resp: 68808

Ion	Ratio	Lower	Upper
108	100		
107	91.2	70.7	106.1
90	24.7	18.7	28.1

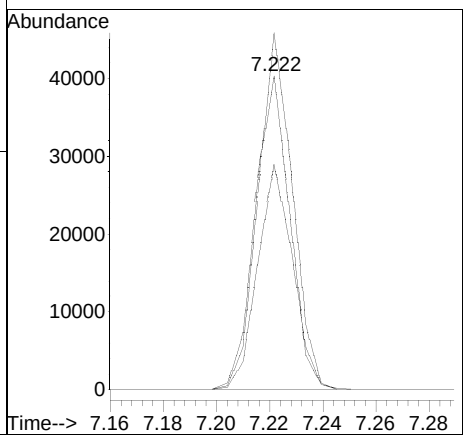


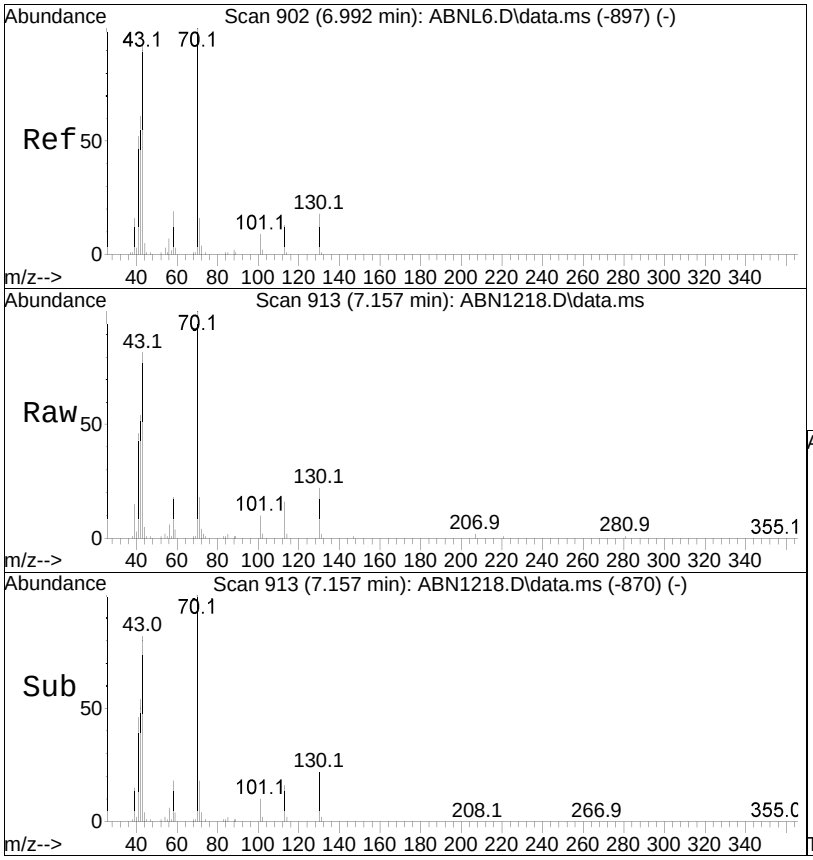


#16
Hexachloroethane
Concen: 4.80 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:117 Resp: 36555

Ion	Ratio	Lower	Upper
117	100		
201	112.5	58.6	87.8#
199	72.5	36.9	55.3#

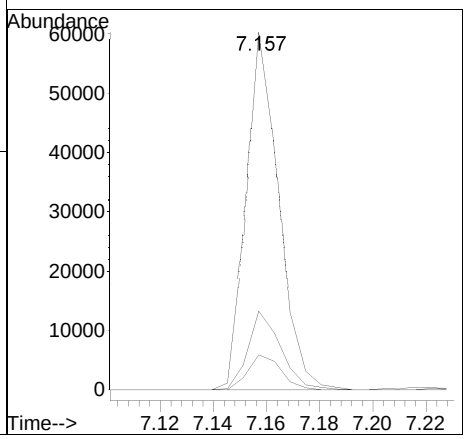


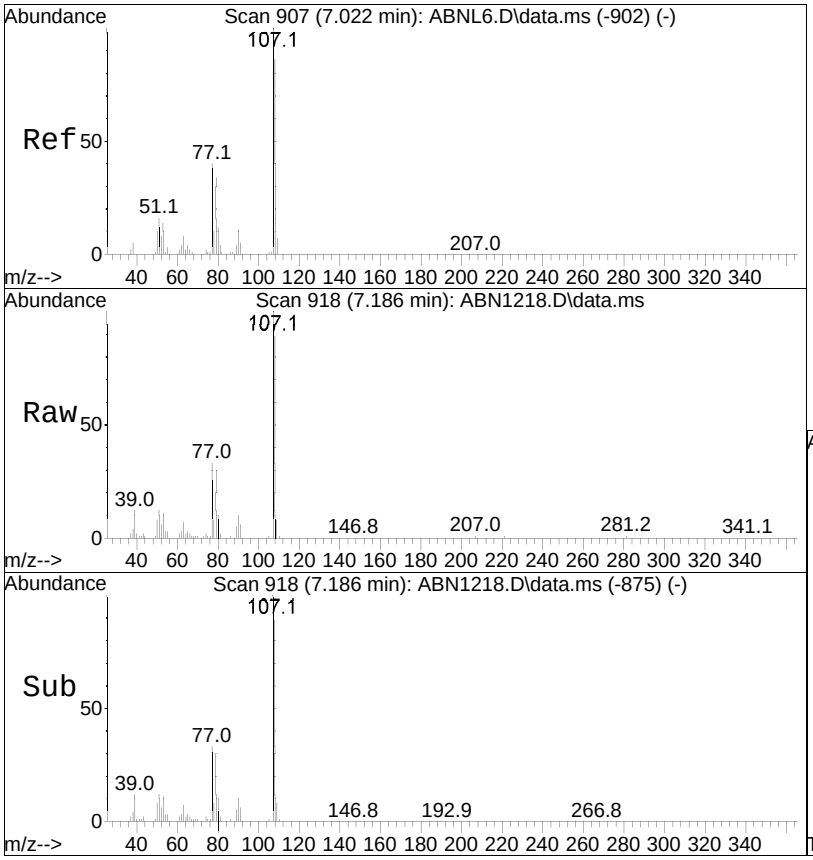


#17
n-Nitrosodi-n-propylamine
Concen: 4.38 ug/ml
RT: 7.157 min Scan# 913
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 70 Resp: 51121

Ion	Ratio	Lower	Upper
70	100		
130	22.2	18.2	27.4
101	9.9	7.8	11.8

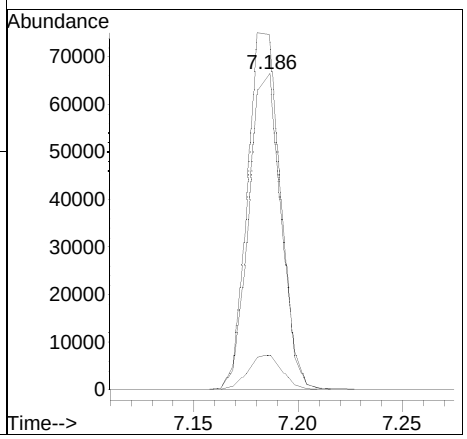


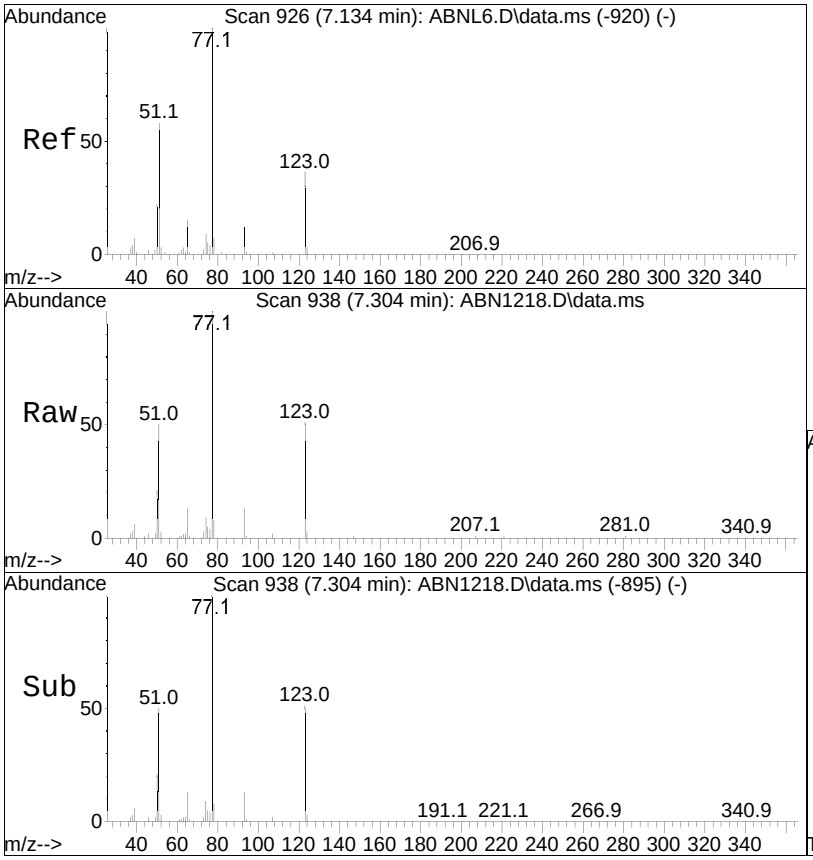


#18
3-Methylphenol/4-Methylphenol
Concen: 4.73 ug/ml
RT: 7.186 min Scan# 918
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:108 Resp: 71892

Ion	Ratio	Lower	Upper
108	100		
107	114.7	88.6	132.8
90	11.4	8.8	13.2

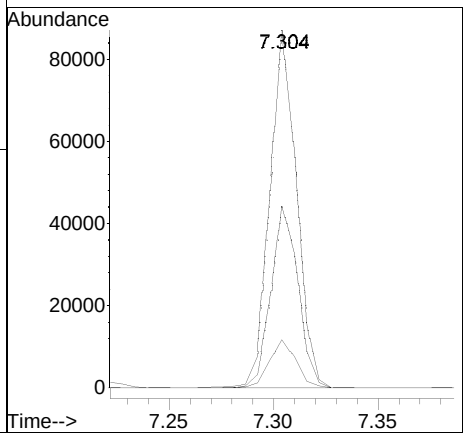


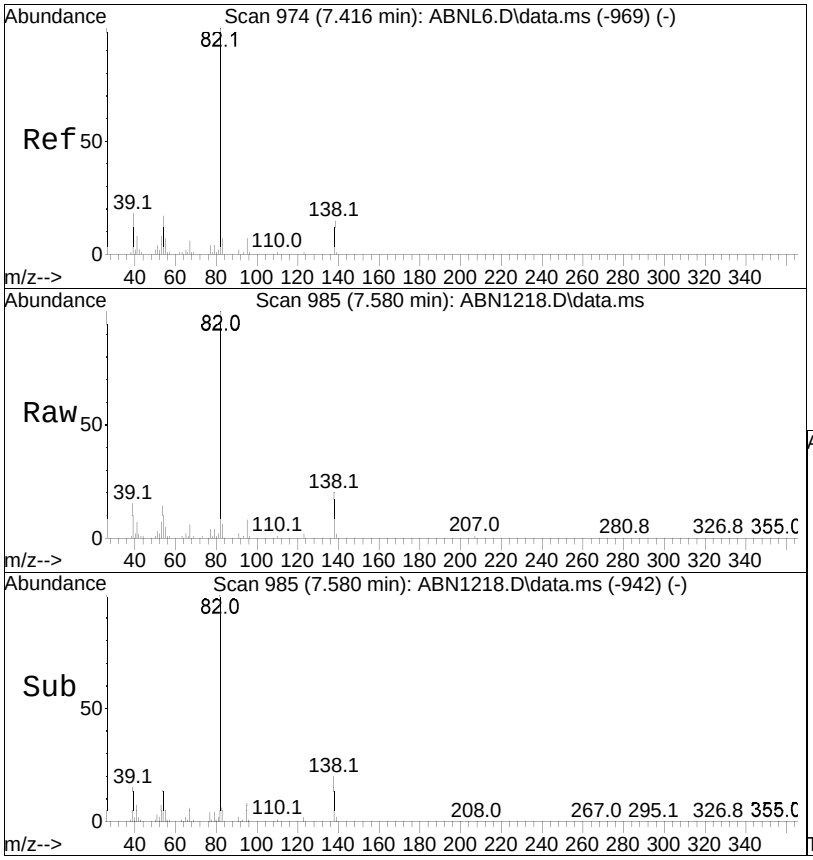


#20
Nitrobenzene
Concen: 4.44 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 77 Resp: 76465

Ion	Ratio	Lower	Upper
77	100		
123	51.5	36.3	54.5
65	13.7	11.6	17.4

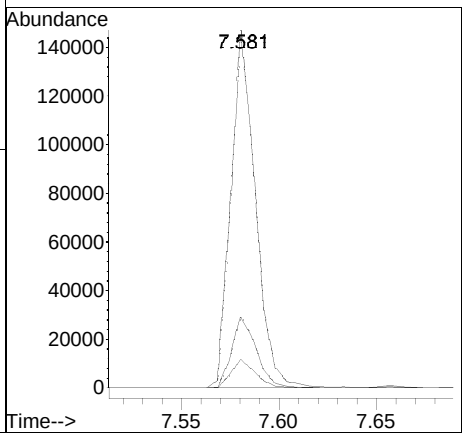


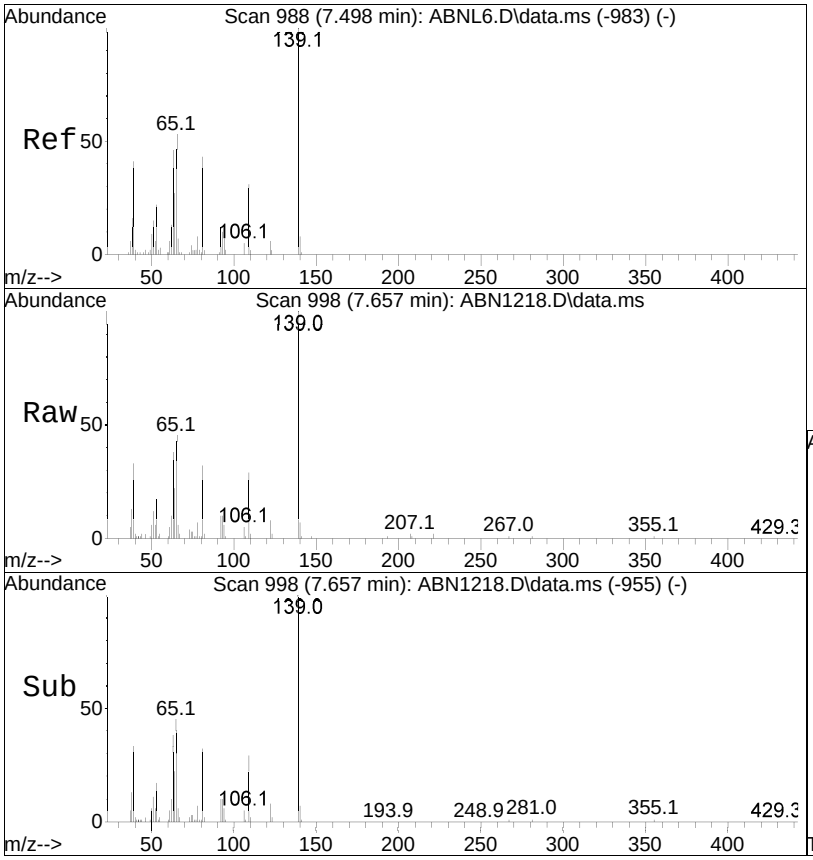


#21
Isophorone
Concen: 4.24 ug/ml
RT: 7.580 min Scan# 985
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 82 Resp: 127036

Ion	Ratio	Lower	Upper
82	100		
138	20.0	14.7	22.1
95	7.9	5.2	7.8#

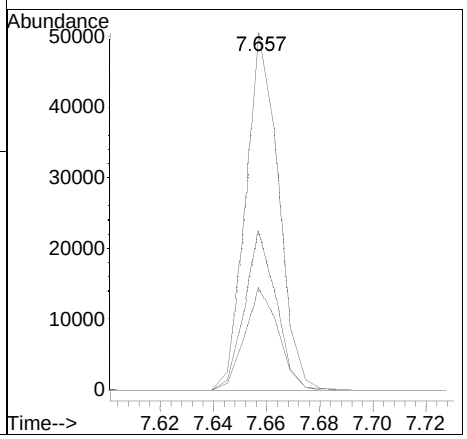


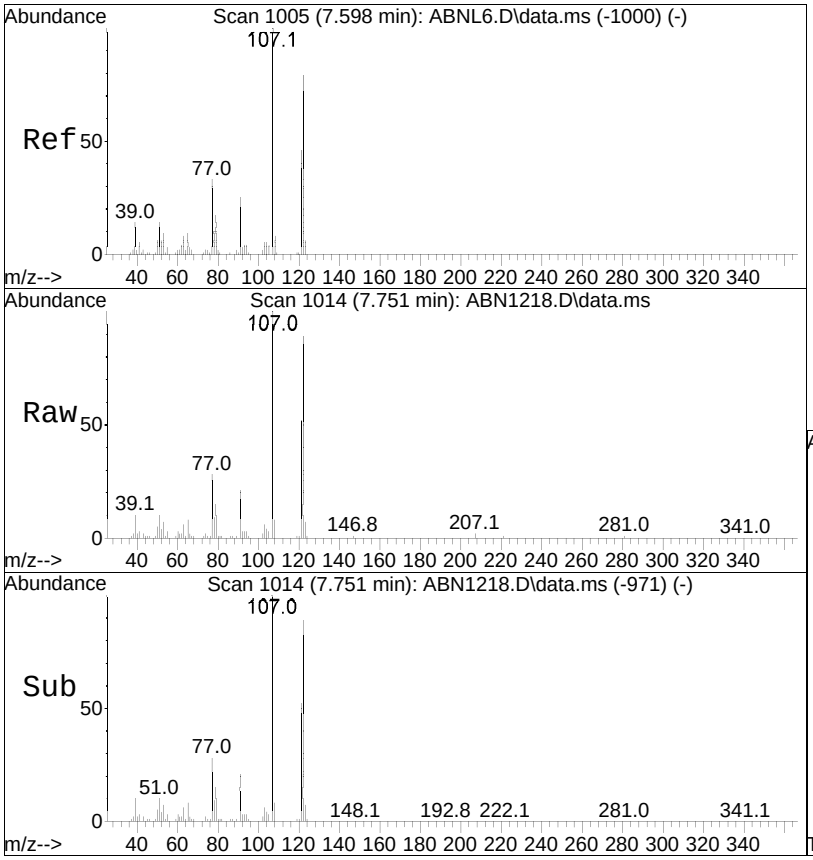


#22
2-Nitrophenol
Concen: 4.85 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:139 Resp: 42845

Ion	Ratio	Lower	Upper
139	100		
109	29.3	19.4	29.0#
65	42.9	46.1	69.1#

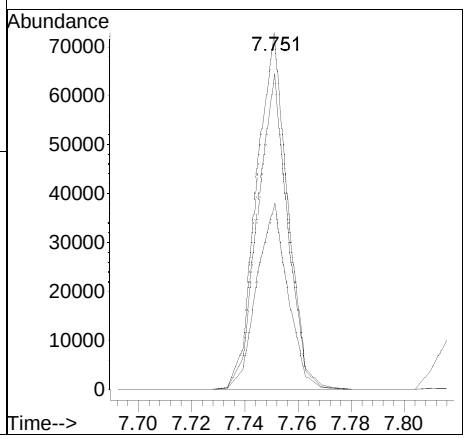


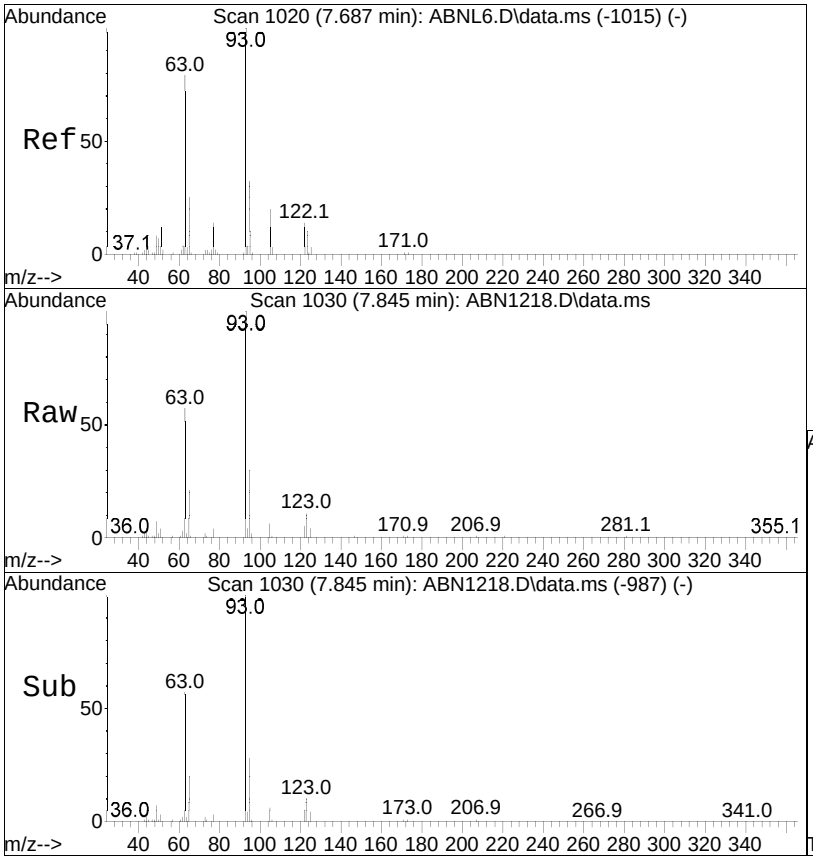


#23
2,4-Dimethylphenol
Concen: 4.22 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:107 Resp: 58587

Ion	Ratio	Lower	Upper
107	100		
121	52.3	40.0	60.0
122	85.5	70.2	105.4

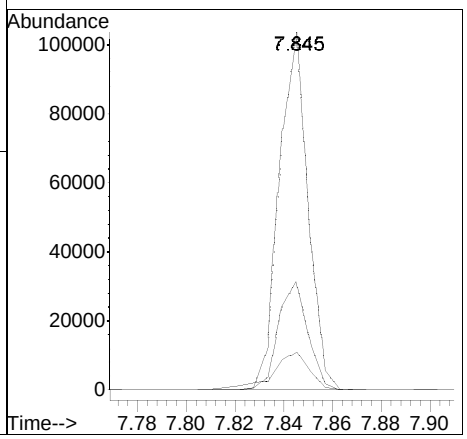


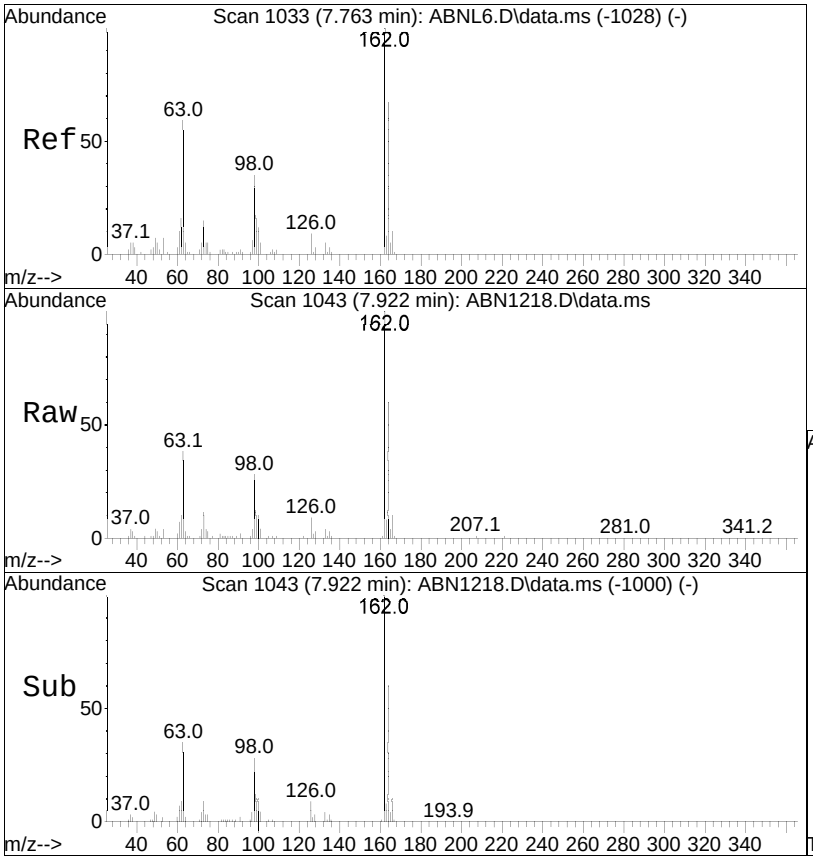


#24
Bis(2-chloroethoxy)methane
Concen: 4.20 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 93 Resp: 84119

Ion	Ratio	Lower	Upper
93	100		
95	31.2	25.8	38.8
123	13.6	10.1	15.1

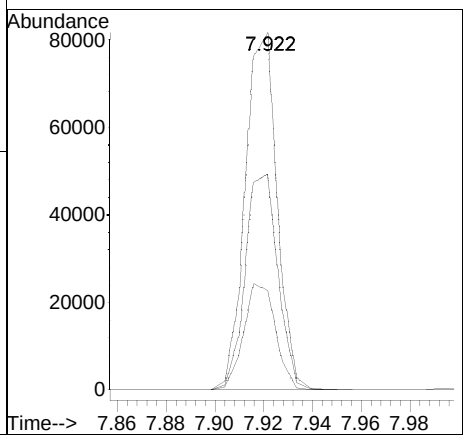


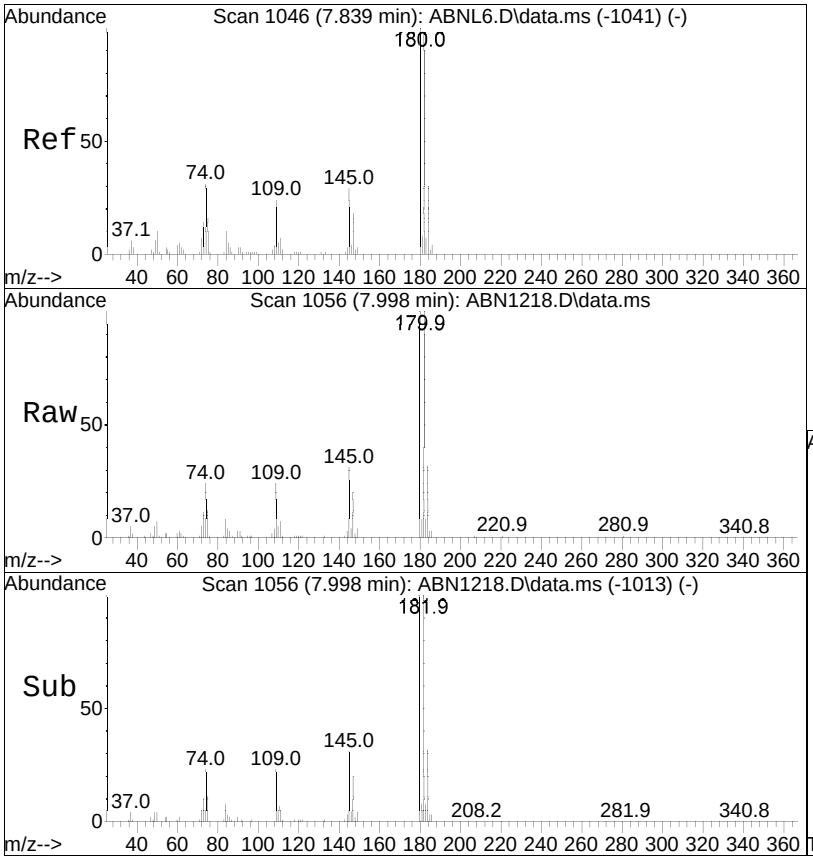


#25
2,4-Dichlorophenol
Concen: 4.77 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:162 Resp: 74018

Ion	Ratio	Lower	Upper
162	100		
164	61.9	51.0	76.4
98	30.0	32.2	48.2#

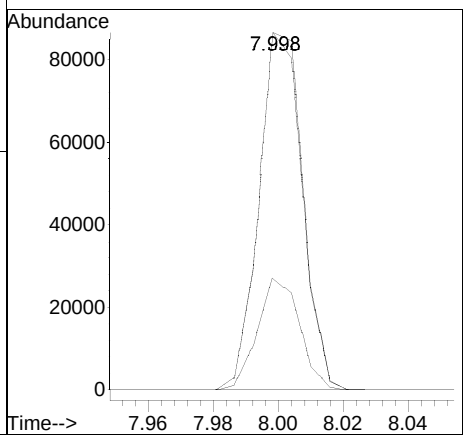


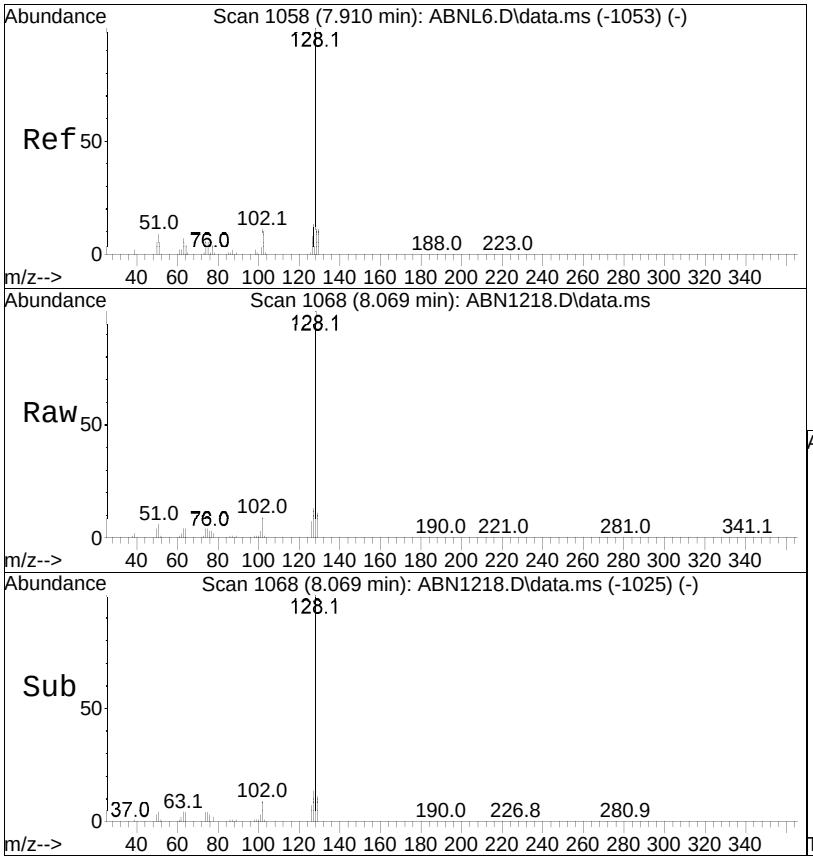


#26
1,2,4-Trichlorobenzene
Concen: 4.52 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:180 Resp: 81204

Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.0	114.0
145	30.1	25.7	38.5

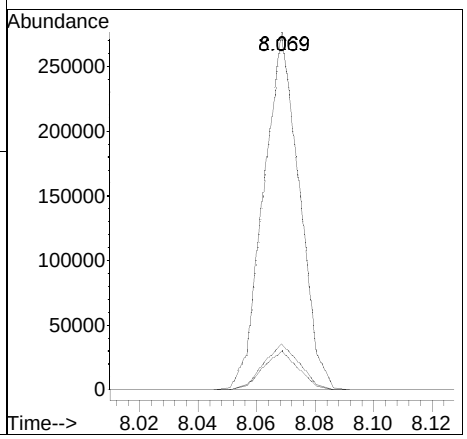


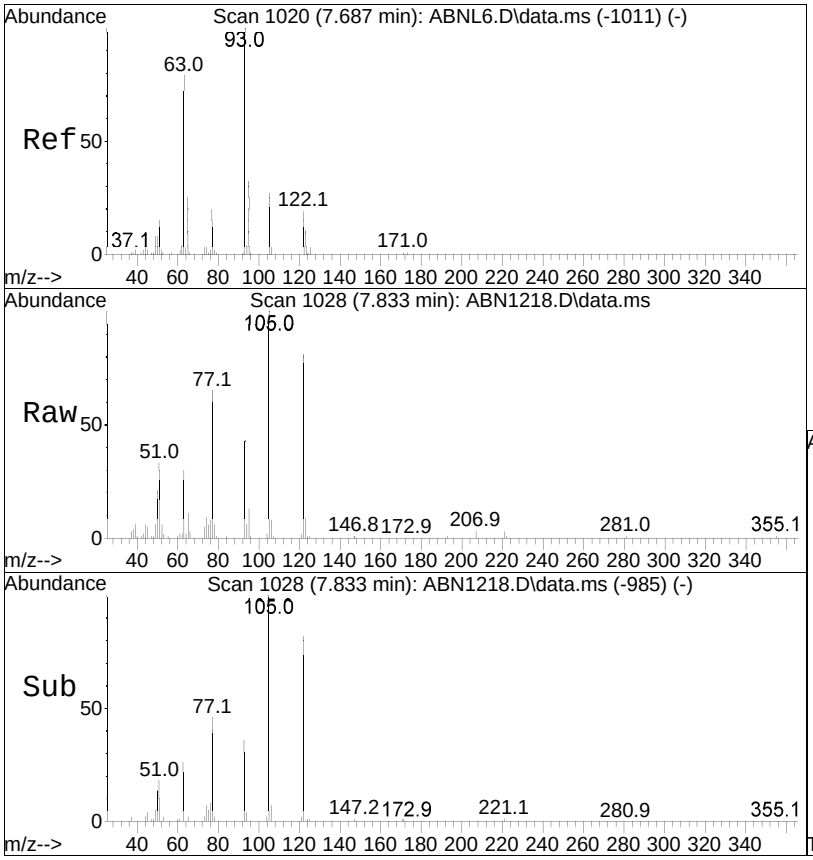


#36
Naphthalene
Concen: 4.48 ug/ml
RT: 8.069 min Scan# 1068
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:128 Resp: 231395

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.1	10.3	15.5

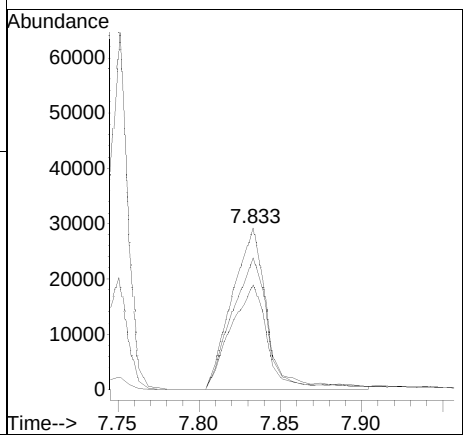


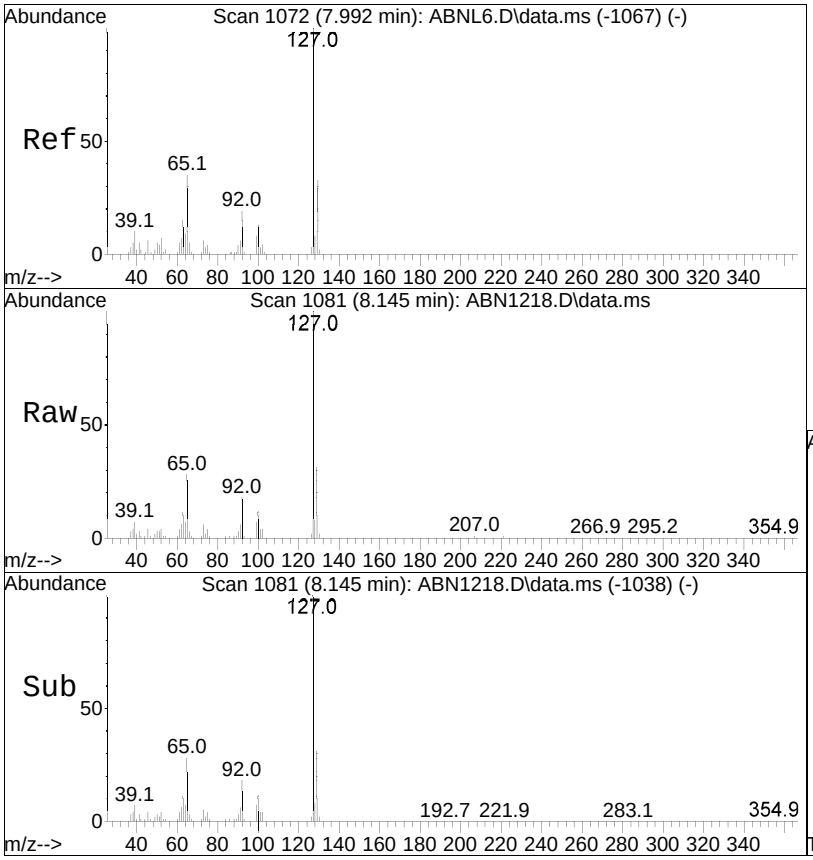


#37
Benzoic Acid
Concen: 4.59 ug/ml
RT: 7.833 min Scan# 1028
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:105 Resp: 44281

Ion	Ratio	Lower	Upper
105	100		
122	81.6	59.9	89.9
77	68.6	60.1	90.1

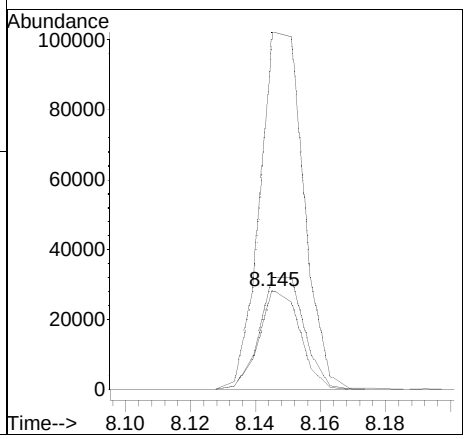


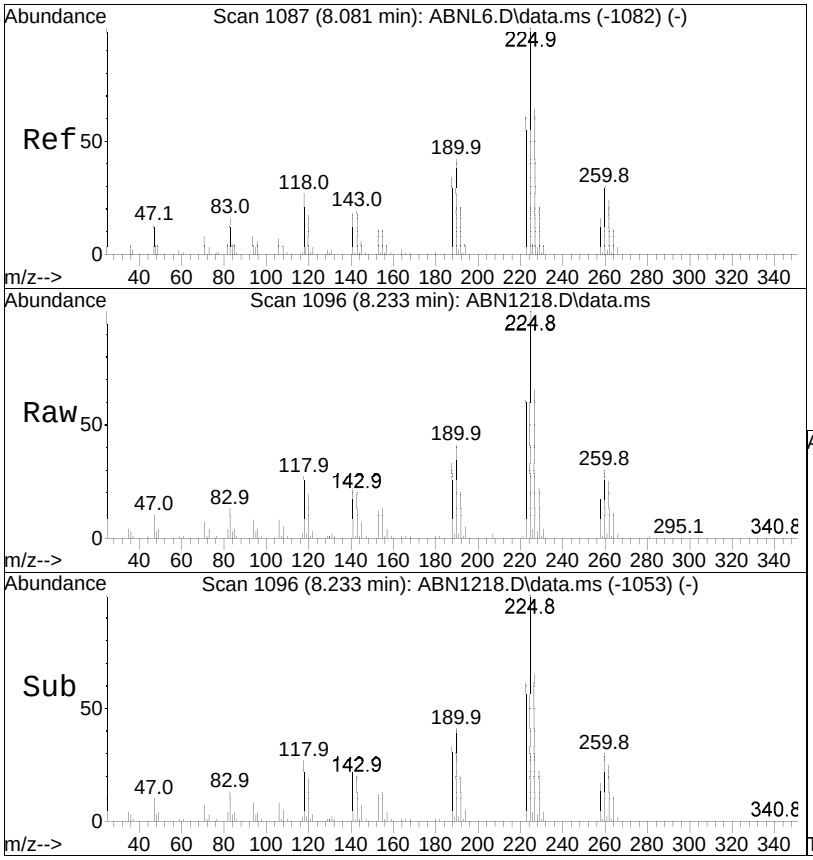


#38
4-Chloroaniline
Concen: 4.26 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 65 Resp: 24699

Ion	Ratio	Lower	Upper
65	100		
127	385.0	237.6	356.4#
129	123.1	76.3	114.5#

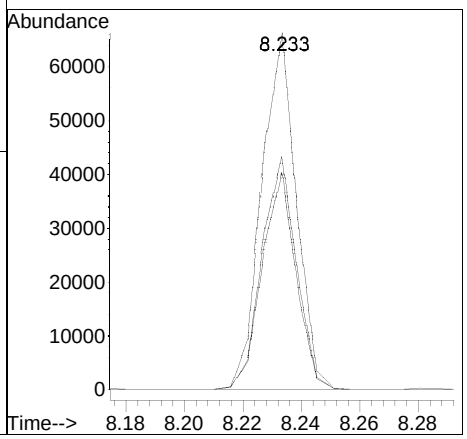


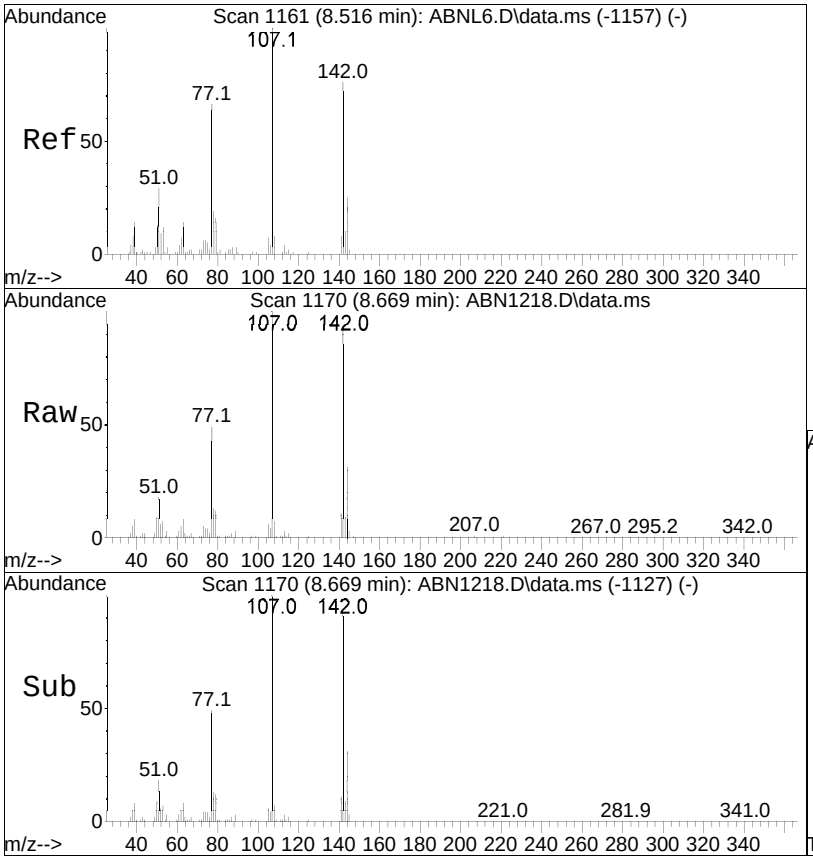


#39
Hexachlorobutadiene
Concen: 4.95 ug/ml
RT: 8.233 min Scan# 1096
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:225 Resp: 54132

Ion	Ratio	Lower	Upper
225	100		
223	59.9	50.3	75.5
227	65.2	52.2	78.2

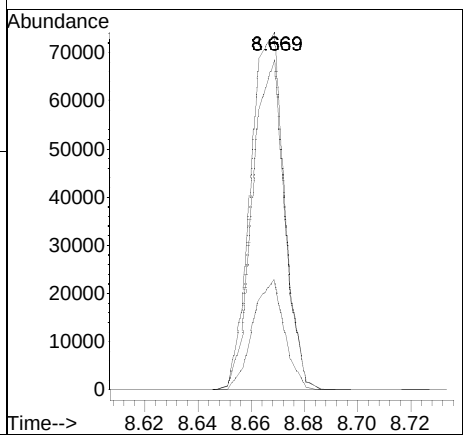


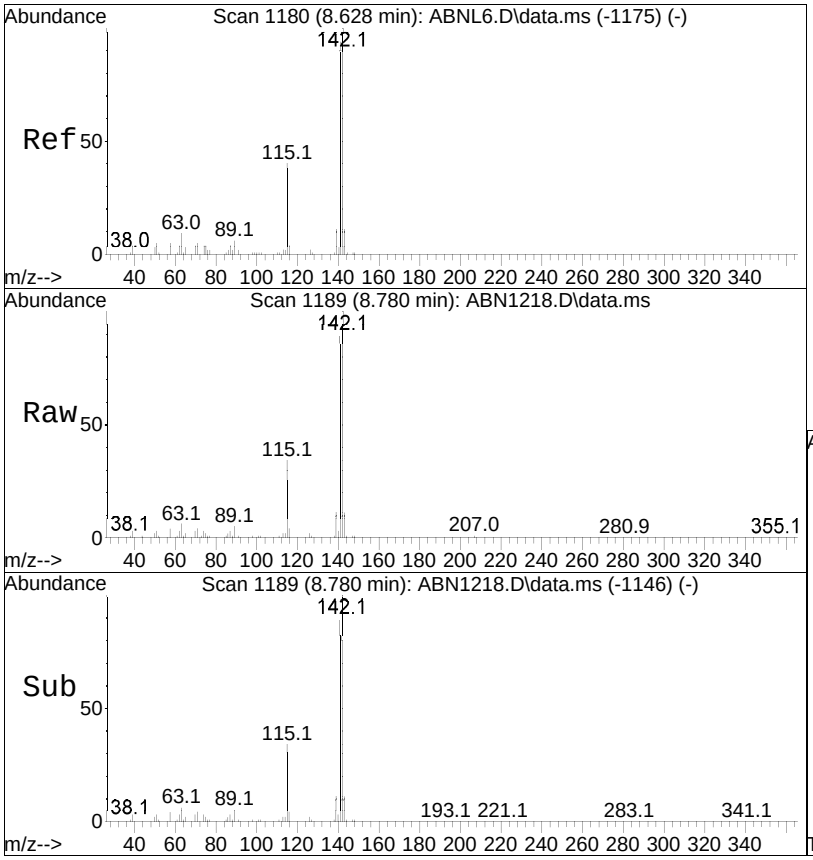


#40
p-Chloro-m-cresol
Concen: 4.79 ug/ml
RT: 8.669 min Scan# 1170
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:107 Resp: 64934

Ion	Ratio	Lower	Upper
107	100		
144	29.1	20.9	31.3
142	87.6	66.1	99.1

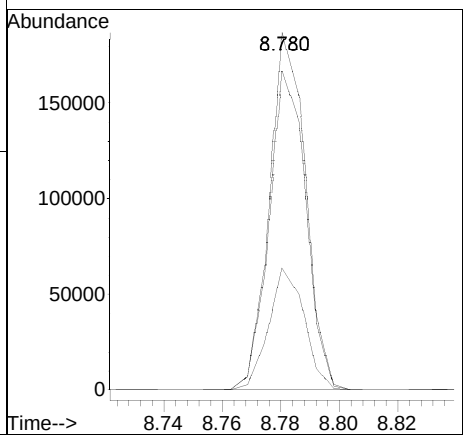


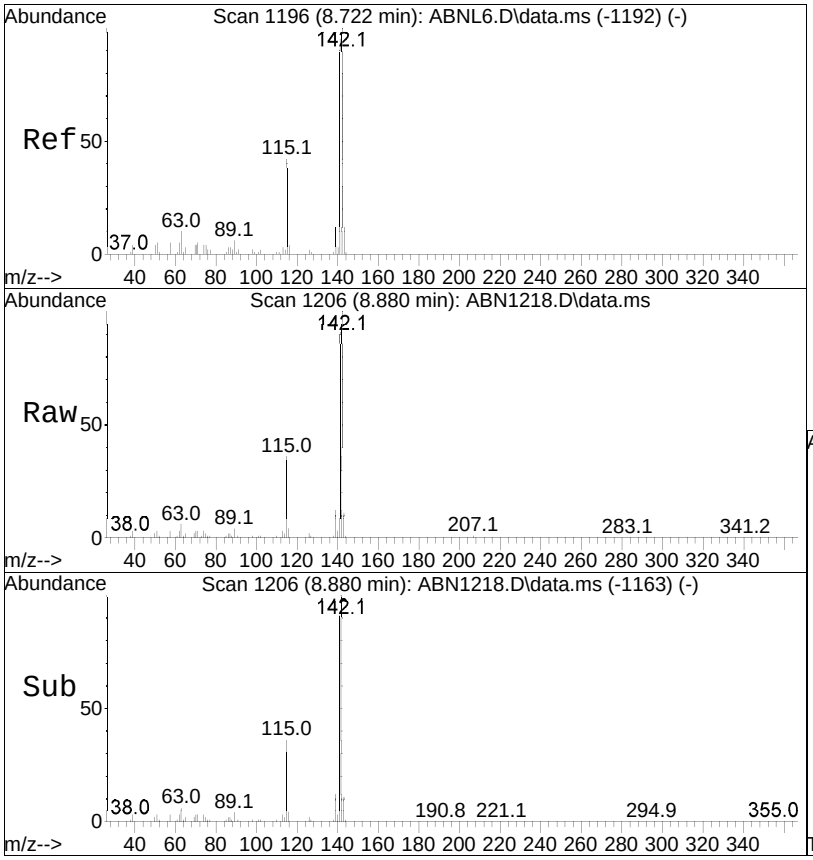


#41
2-Methylnaphthalene
Concen: 4.65 ug/ml
RT: 8.780 min Scan# 1189
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:142 Resp: 160141

Ion	Ratio	Lower	Upper
142	100		
141	90.5	69.6	104.4
115	33.8	26.6	40.0

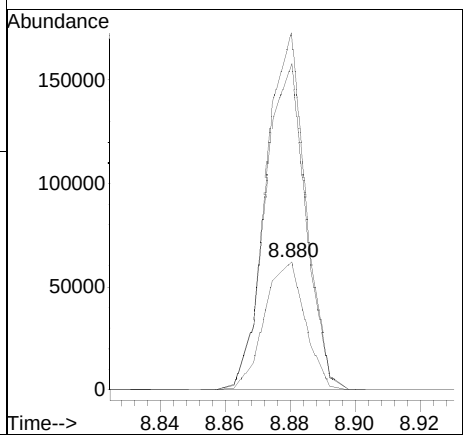


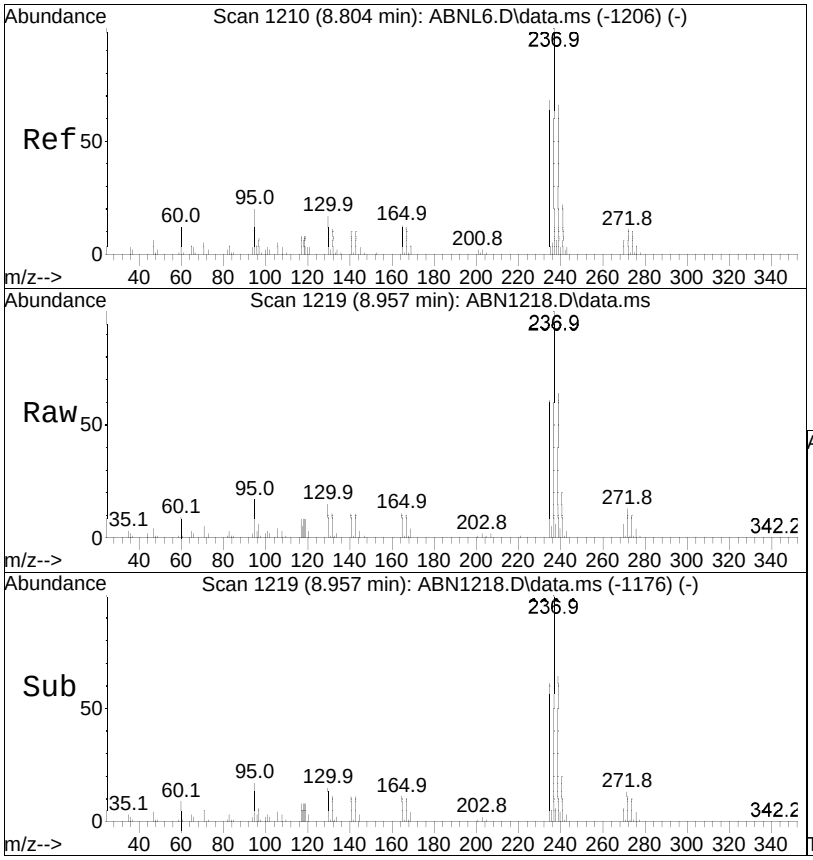


#42
1-Methylnaphthalene
Concen: 4.85 ug/ml
RT: 8.880 min Scan# 1206
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:115 Resp: 54015

Ion	Ratio	Lower	Upper
115	100		
141	252.9	207.8	311.6
142	272.0	226.8	340.2

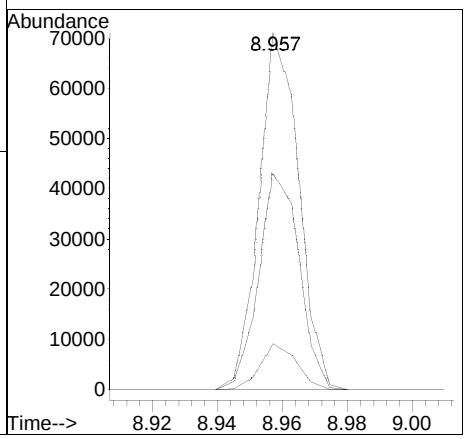


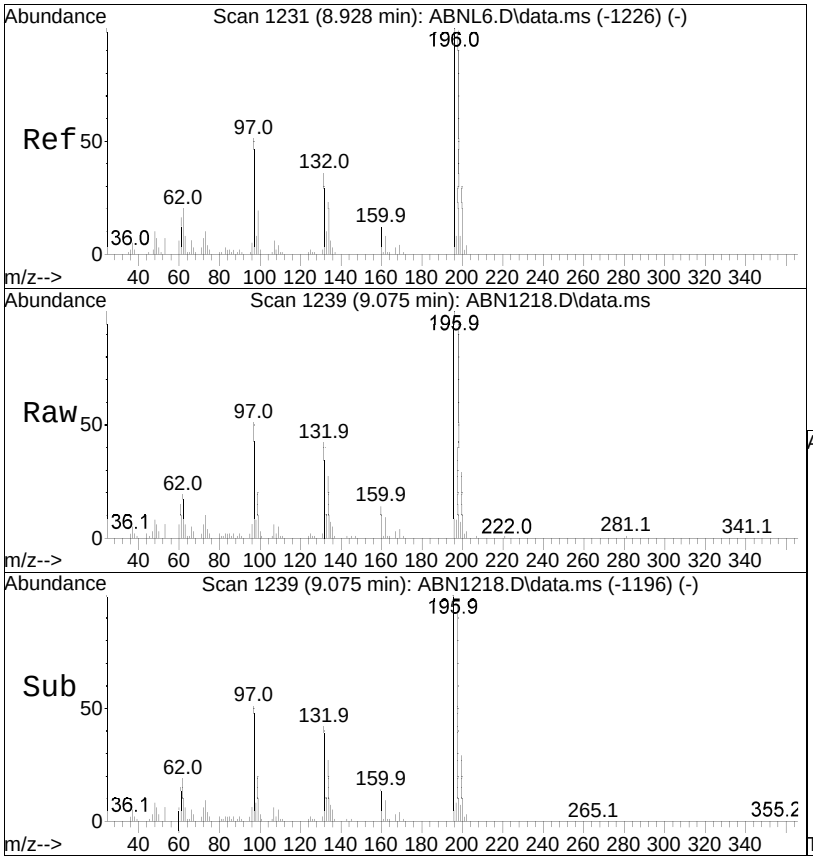


#43
Hexachlorocyclopentadiene
Concen: 5.01 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:237 Resp: 60071

Ion	Ratio	Lower	Upper
237	100		
235	62.0	49.7	74.5
272	12.2	9.8	14.6

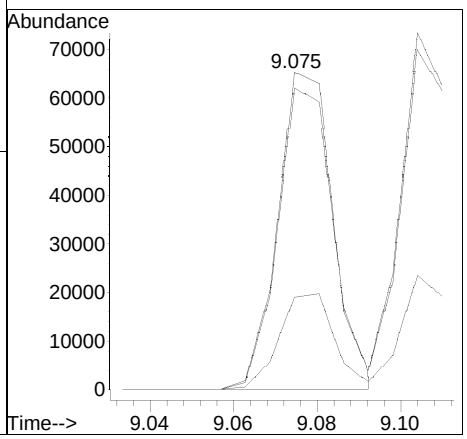


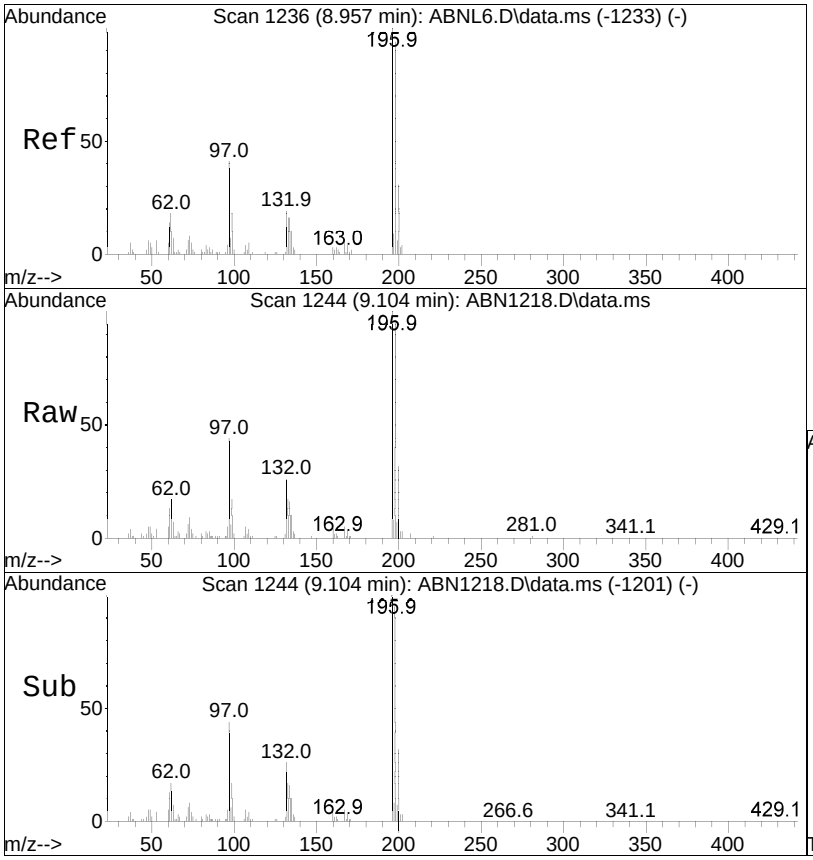


#44
2,4,6-Trichlorophenol
Concen: 4.78 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:196 Resp: 60151

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.5	116.3
200	30.5	23.8	35.6

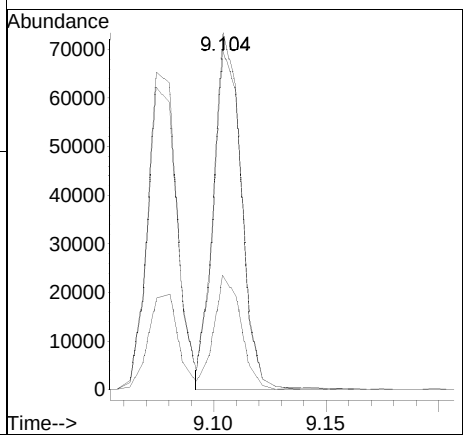


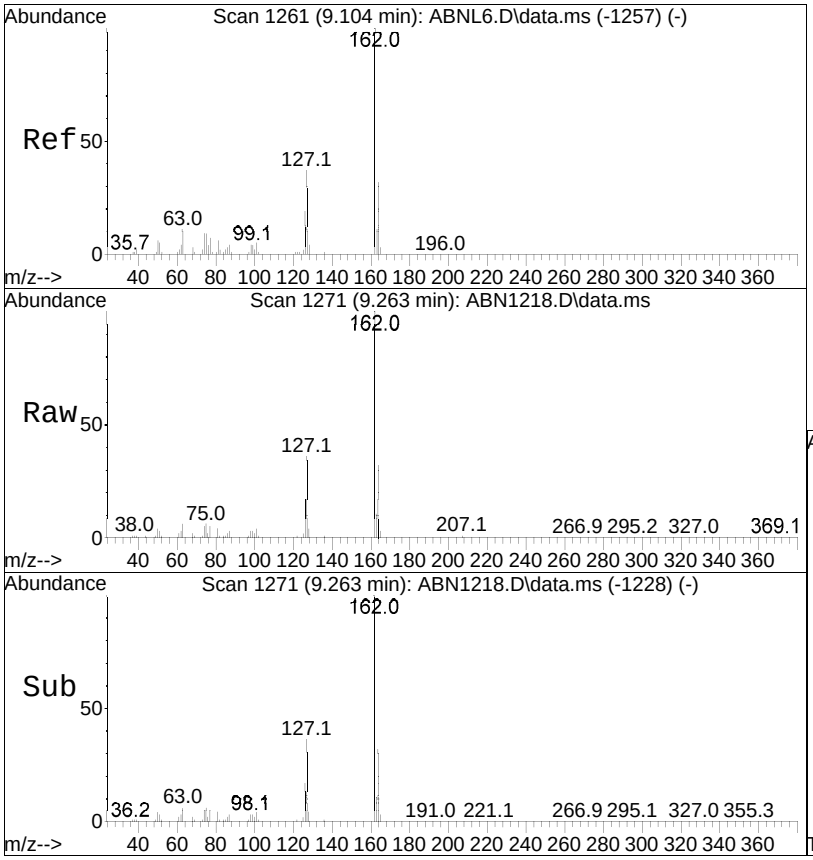


#45
2,4,5-Trichlorophenol
Concen: 4.84 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:196 Resp: 63151

Ion	Ratio	Lower	Upper
196	100		
200	31.2	25.4	38.0
198	95.8	78.0	117.0

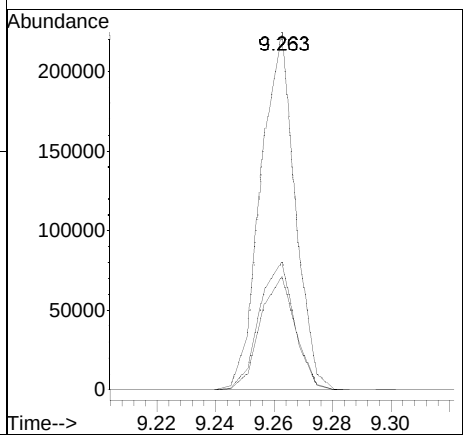


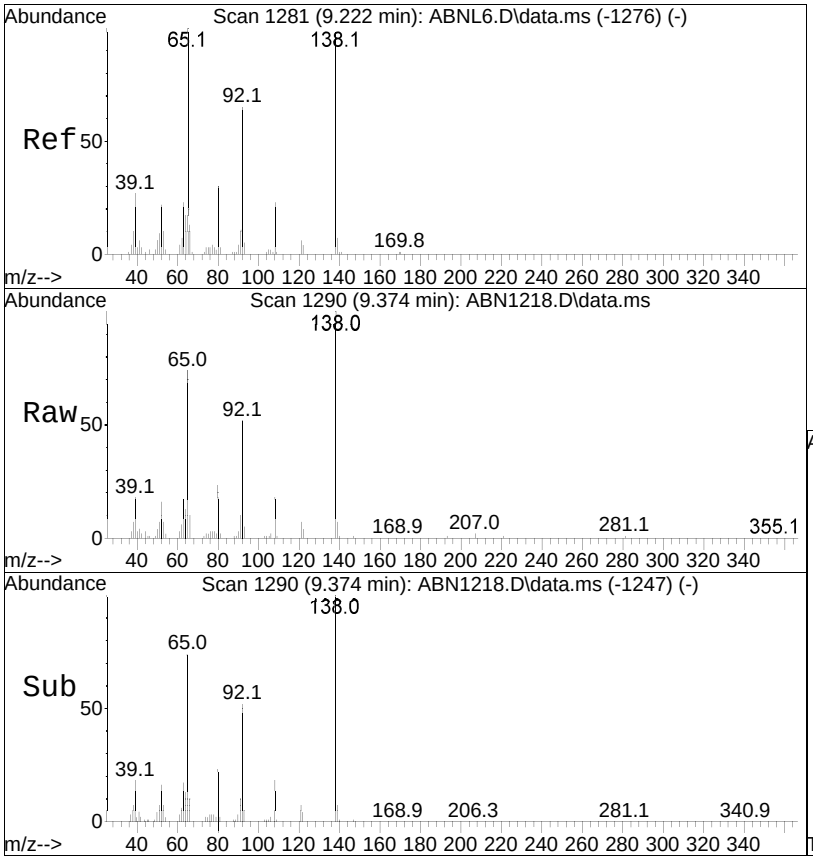


#47
2-Chloronaphthalene
Concen: 5.08 ug/ml
RT: 9.263 min Scan# 1271
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:162 Resp: 182283

Ion	Ratio	Lower	Upper
162	100		
127	36.8	32.2	48.4
164	32.9	25.7	38.5

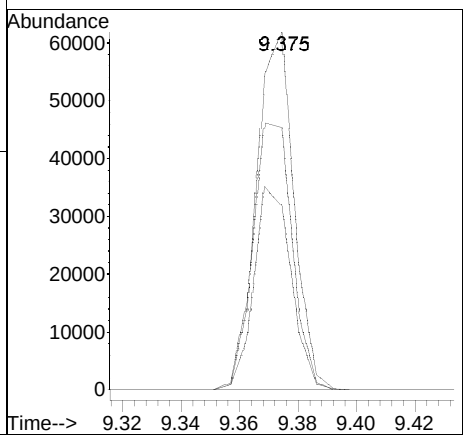


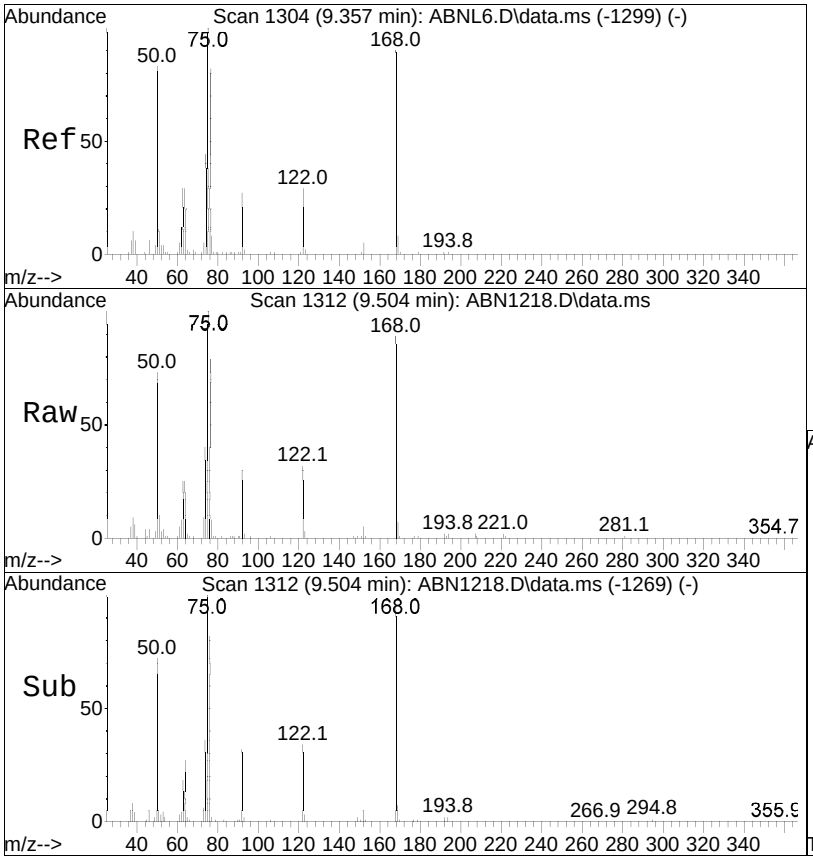


#48
2-Nitroaniline
Concen: 5.32 ug/ml
RT: 9.374 min Scan# 1290
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:138 Resp: 54405

Ion	Ratio	Lower	Upper
138	100		
92	56.8	53.5	80.3
65	79.3	86.3	129.5#

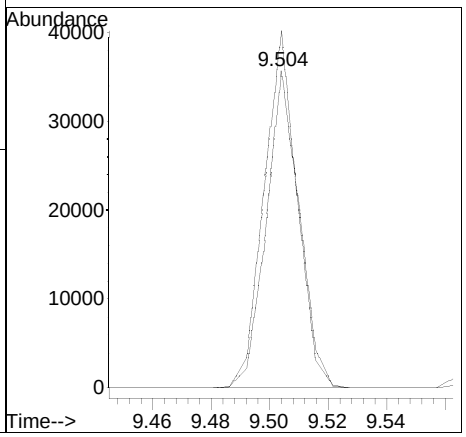


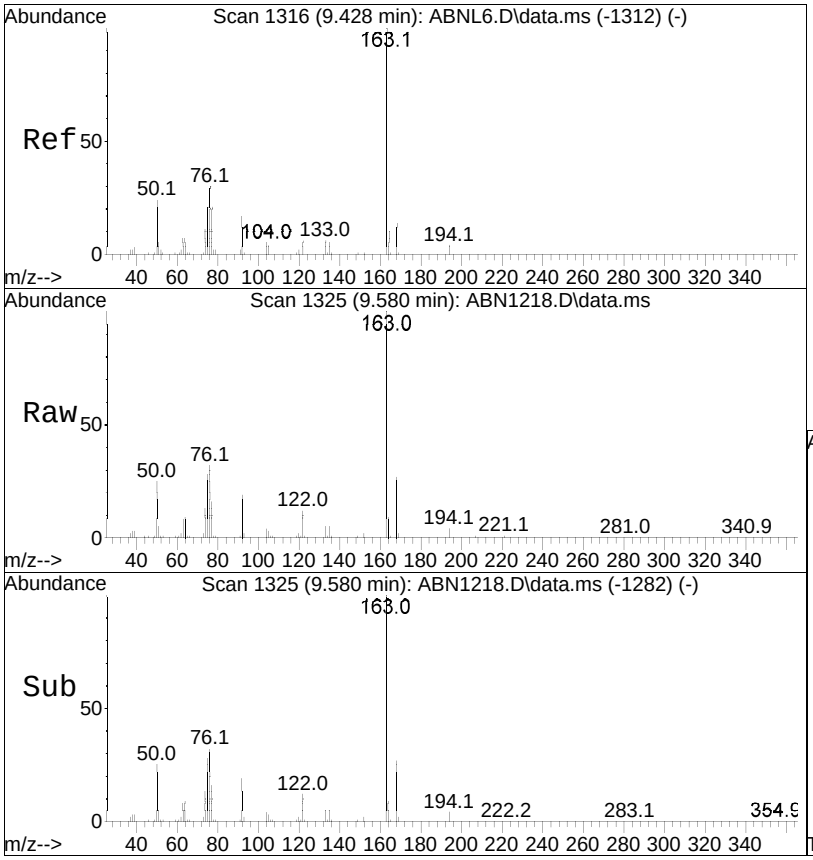


#49
1,4-Dinitrobenzene
Concen: 5.36 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:168 Resp: 27967

Ion	Ratio	Lower	Upper
168	100		
75	112.2	121.8	182.8#

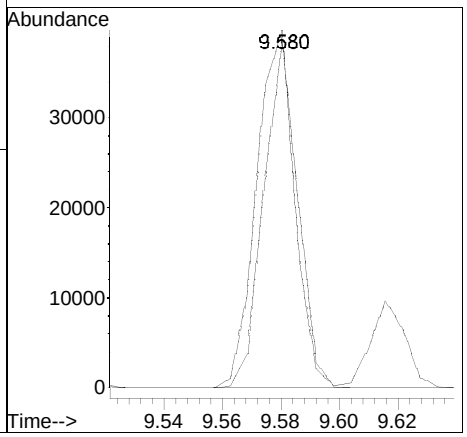


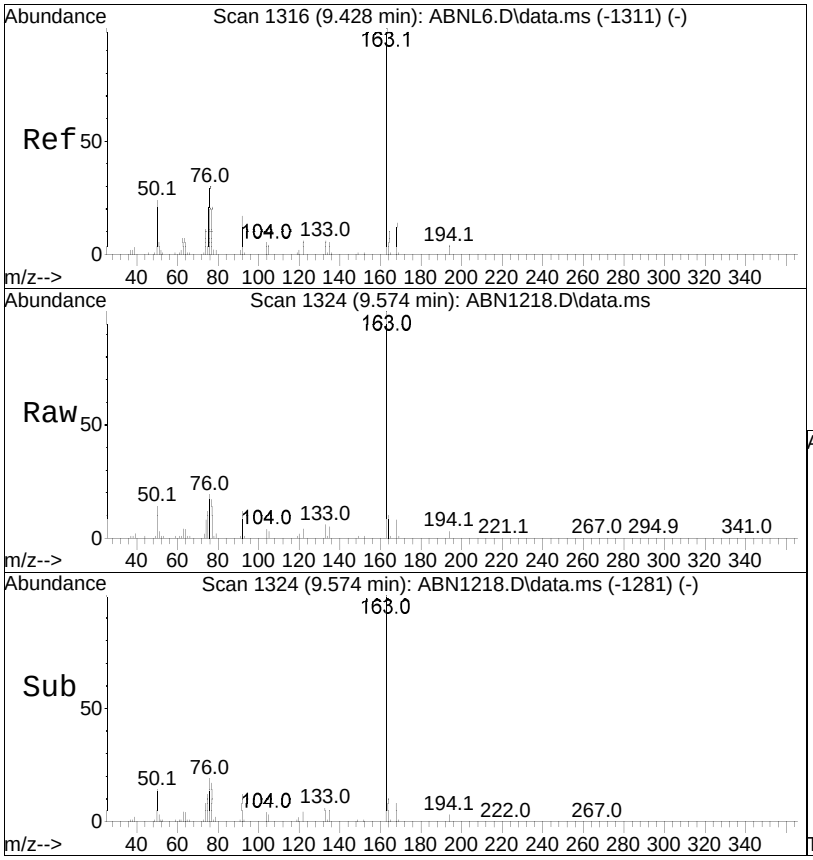


#50
1,3-Dinitrobenzene
Concen: 5.41 ug/ml
RT: 9.580 min Scan# 1325
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:168 Resp: 30926

Ion	Ratio	Lower	Upper
168	100		
75	115.1	22.7	34.1#

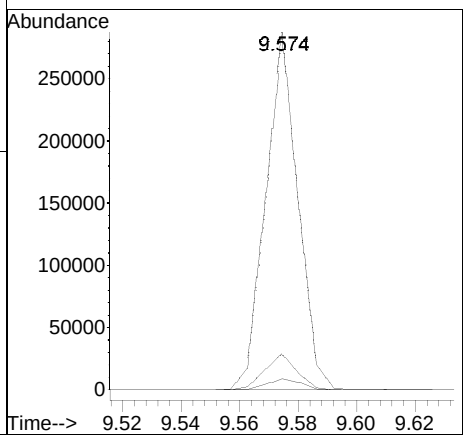


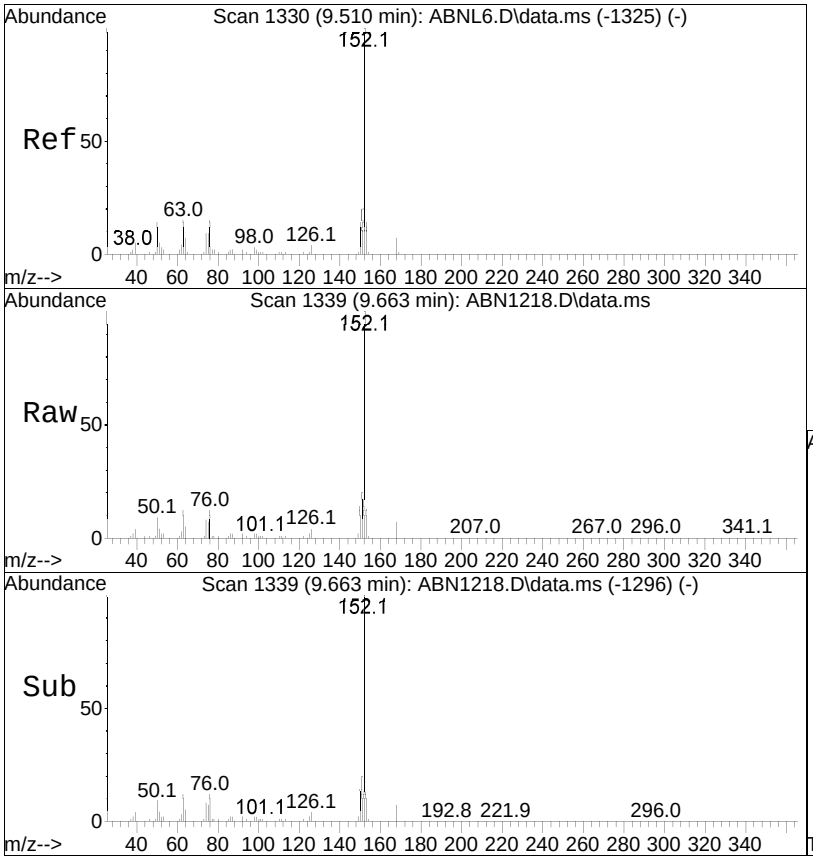


#51
Dimethyl phthalate
Concen: 5.17 ug/ml
RT: 9.574 min Scan# 1324
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:163 Resp: 216299

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	10.0	7.9	11.9

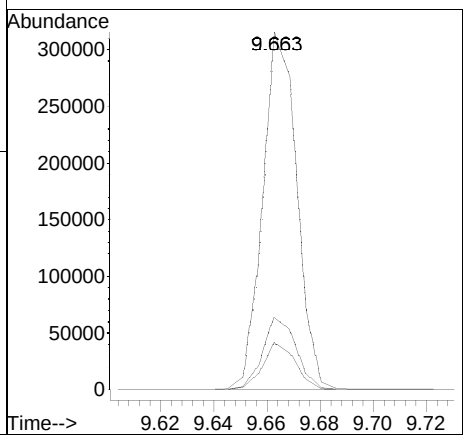


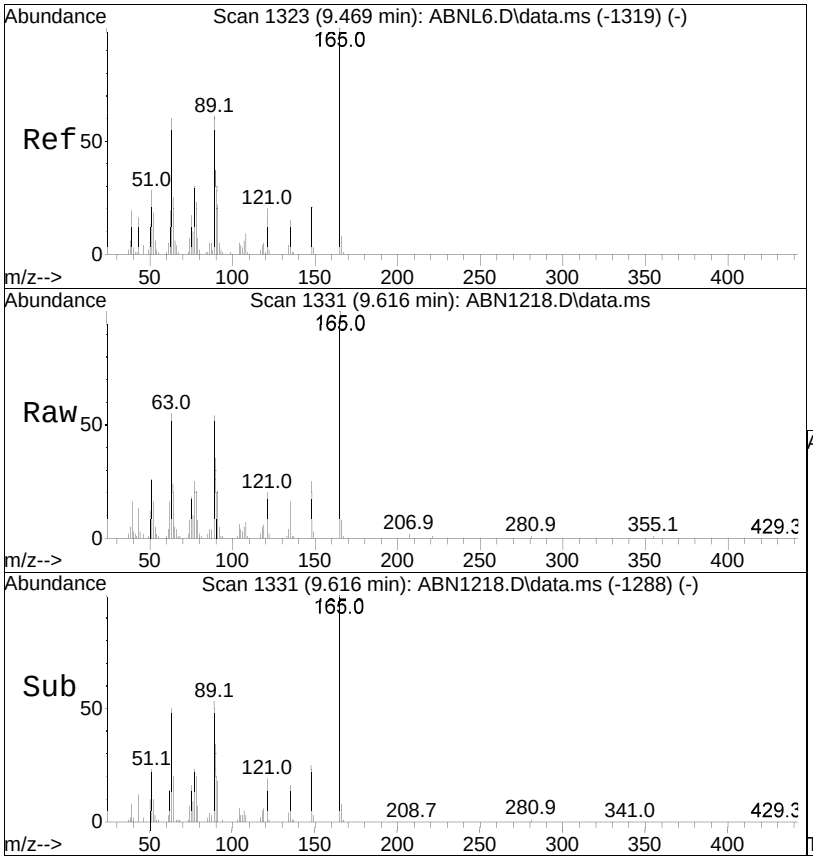


#52
Acenaphthylene
Concen: 5.19 ug/ml
RT: 9.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:152 Resp: 277726

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	12.6	10.5	15.7

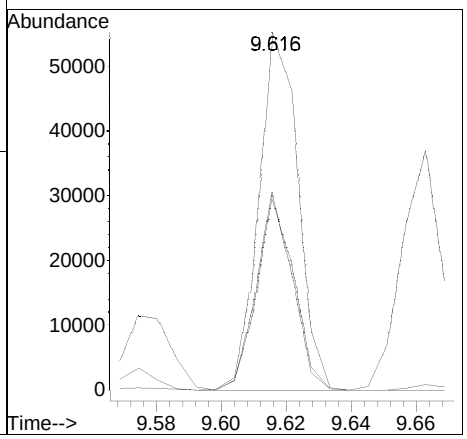


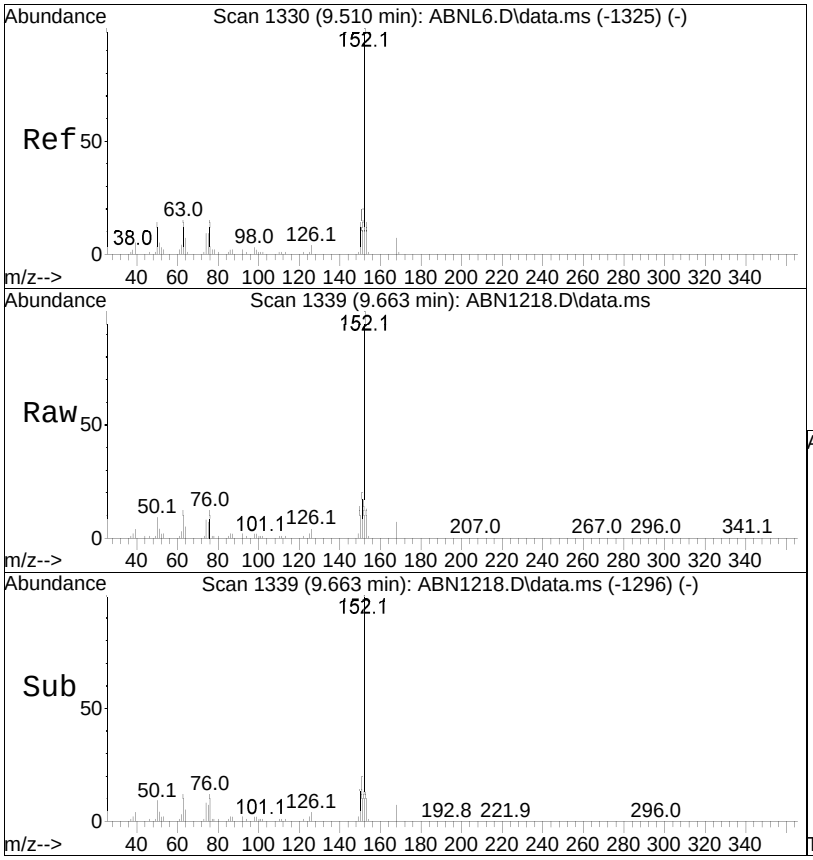


#53
2,6-Dinitrotoluene
Concen: 5.42 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:165 Resp: 46130

Ion	Ratio	Lower	Upper
165	100		
89	51.0	54.2	81.2#
63	50.7	64.2	96.2#

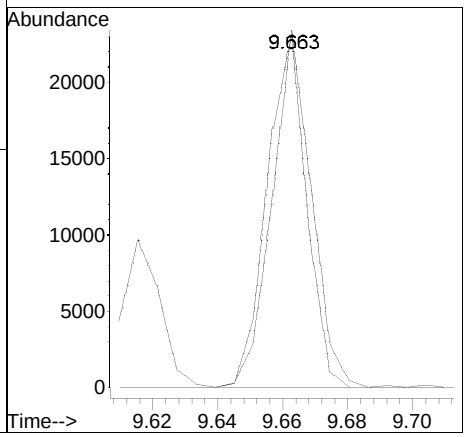


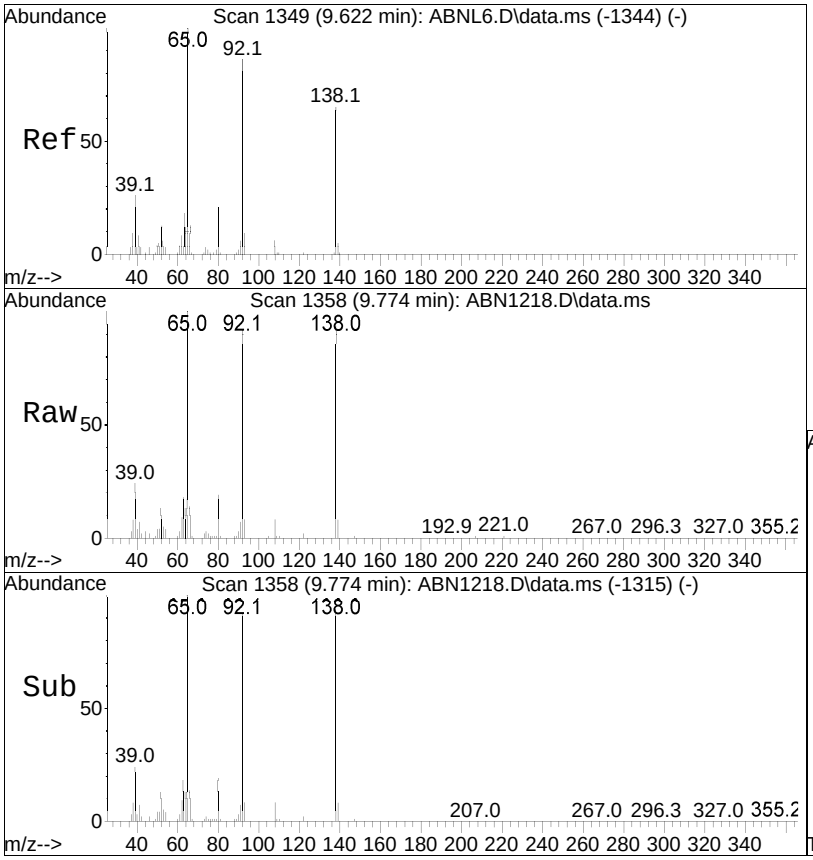


#54
1,2-Dinitrobenzene
Concen: 5.23 ug/ml
RT: 9.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:168 Resp: 19310

Ion	Ratio	Lower	Upper
168	100		
75	101.3	30.9	46.3#

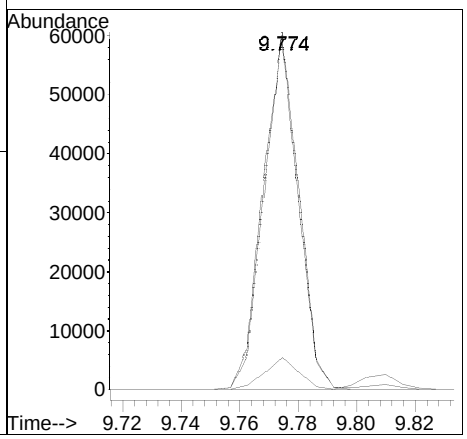


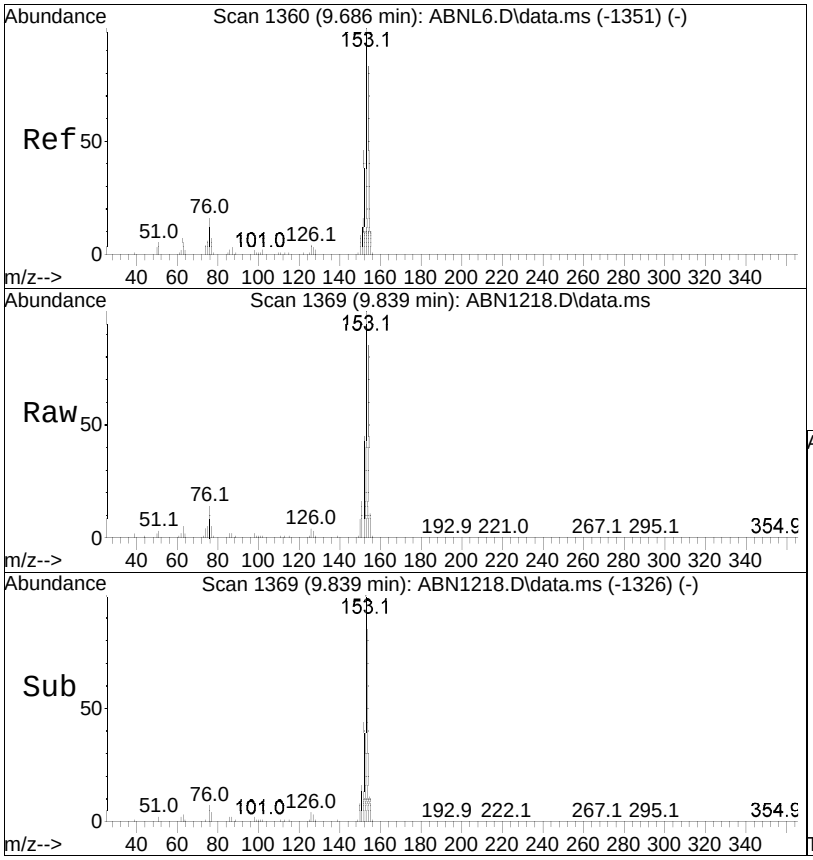


#64
3-Nitroaniline
Concen: 4.94 ug/ml
RT: 9.774 min Scan# 1358
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:138 Resp: 49042

Ion	Ratio	Lower	Upper
138	100		
92	100.5	93.4	140.2
108	8.9	9.5	14.3#

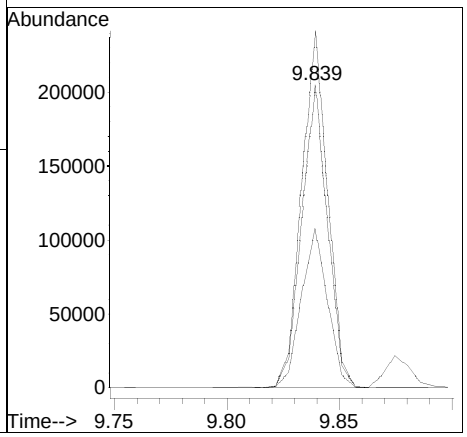


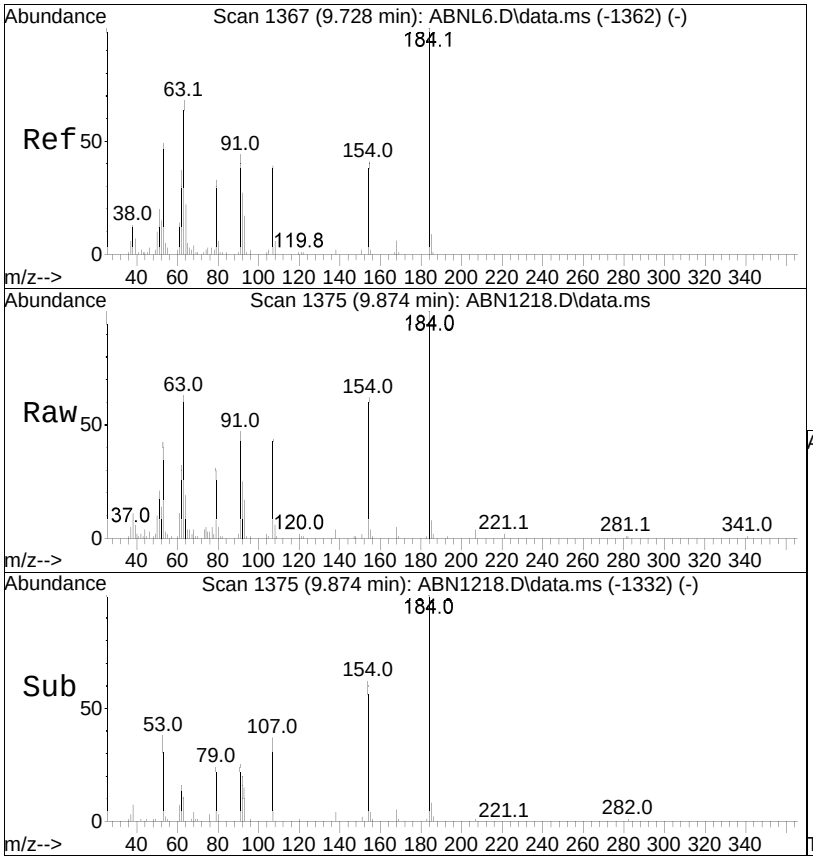


#65
Acenaphthene
Concen: 4.60 ug/ml
RT: 9.839 min Scan# 1369
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:154 Resp: 163623

Ion	Ratio	Lower	Upper
154	100		
153	118.3	85.3	127.9
152	53.7	41.4	62.0

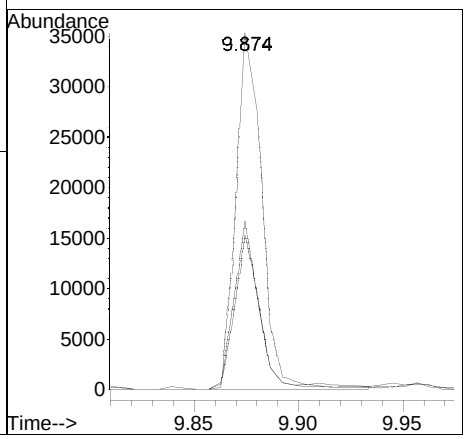


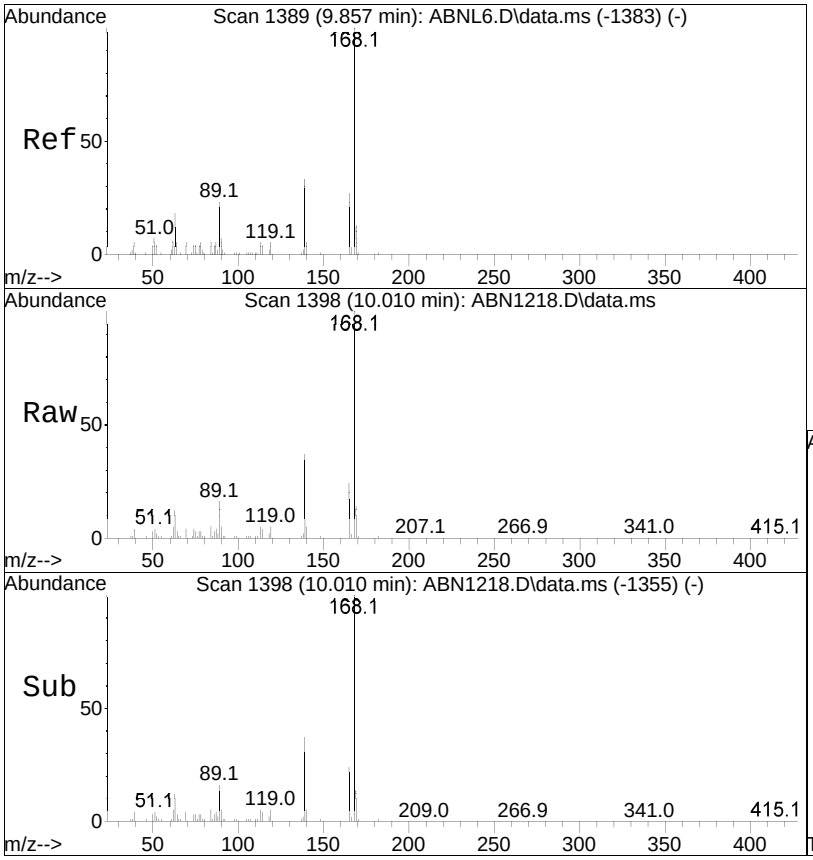


#66
2,4-Dinitrophenol
Concen: 5.11 ug/ml
RT: 9.874 min Scan# 1375
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:184 Resp: 30713

Ion	Ratio	Lower	Upper
184	100		
107	41.9	37.7	56.5
91	44.2	46.3	69.5#

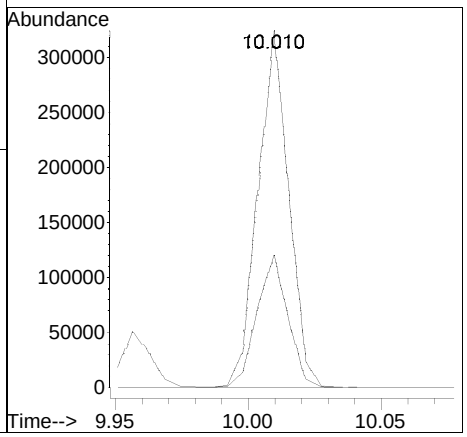


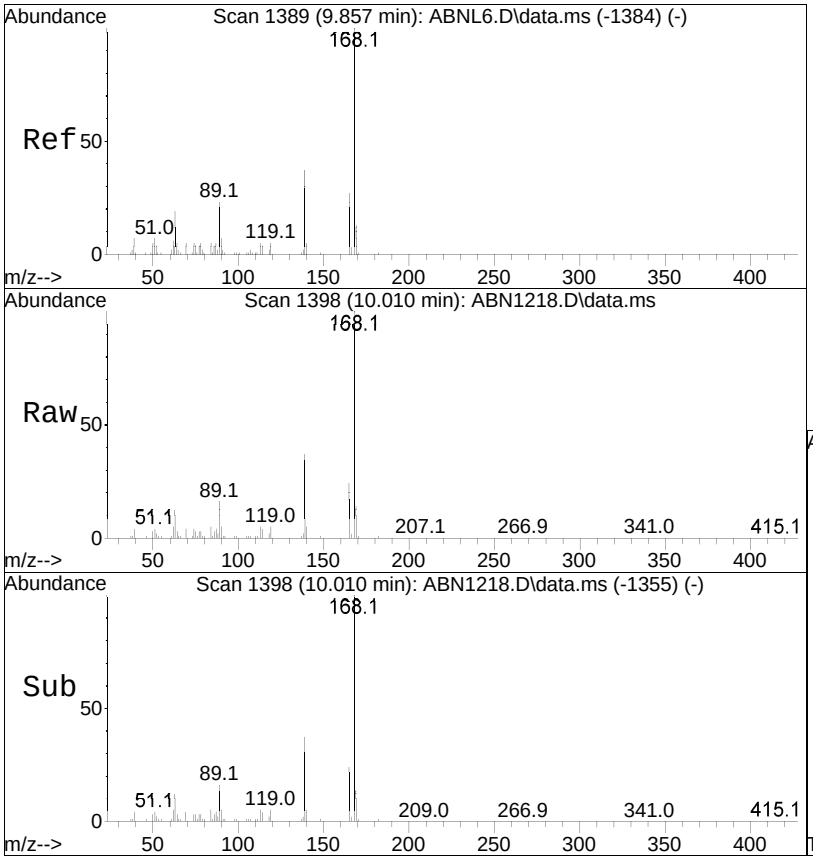


#67
Dibenzofuran
Concen: 4.49 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:168 Resp: 258251

Ion	Ratio	Lower	Upper
168	100		
139	37.5	31.4	47.2

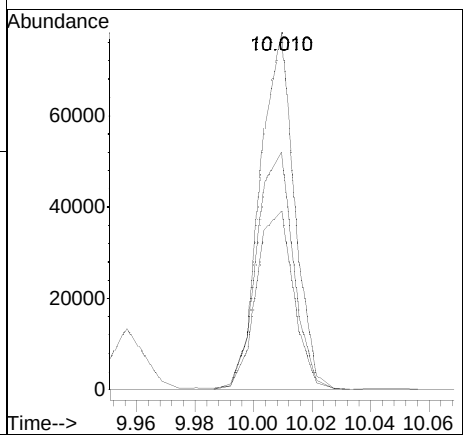


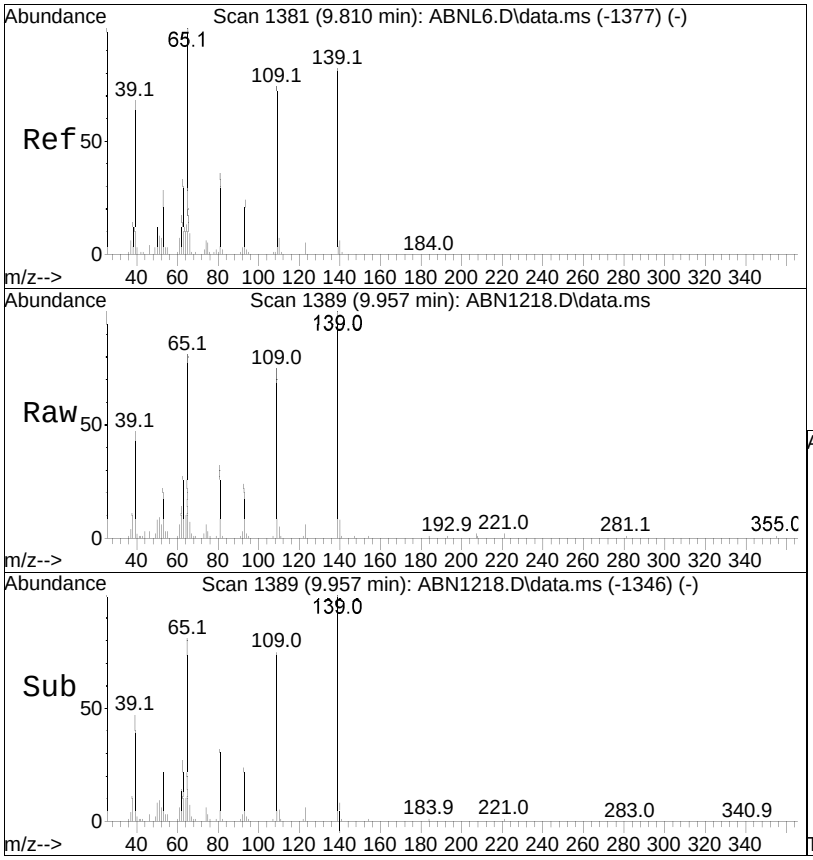


#68
2,4-Dinitrotoluene
Concen: 4.93 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:165 Resp: 63506

Ion	Ratio	Lower	Upper
165	100		
89	70.8	72.0	108.0#
63	54.5	52.7	79.1

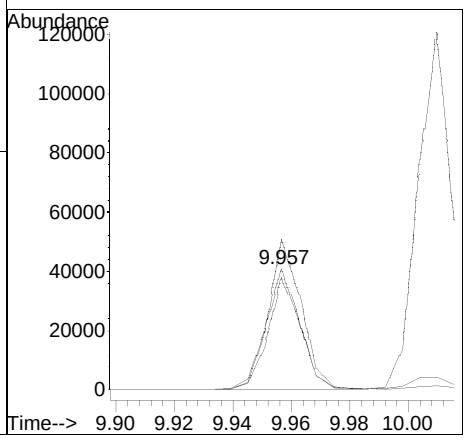


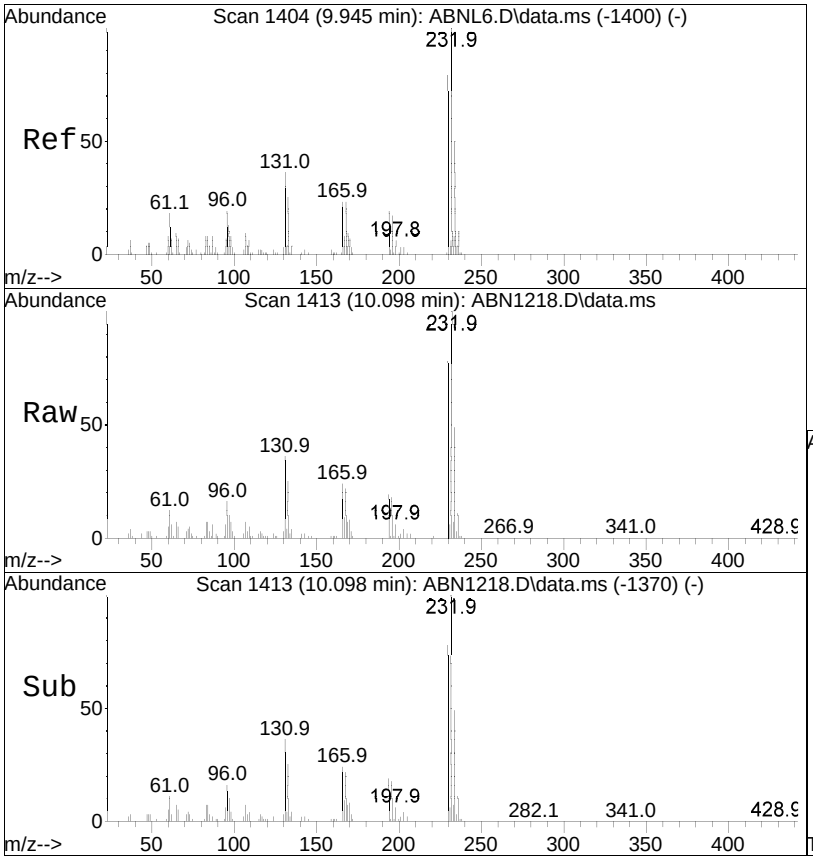


#69
4-Nitrophenol
Concen: 4.52 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 65 Resp: 33188

Ion	Ratio	Lower	Upper
65	100		
109	88.6	47.4	71.2#
139	120.3	76.6	115.0#

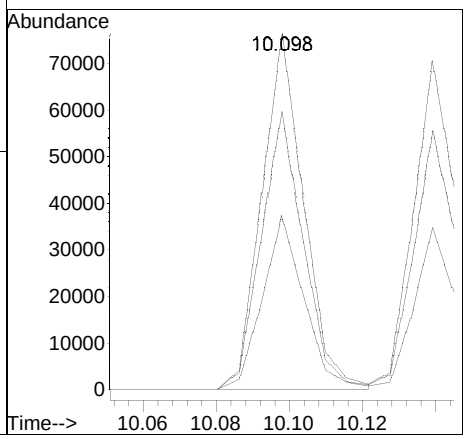


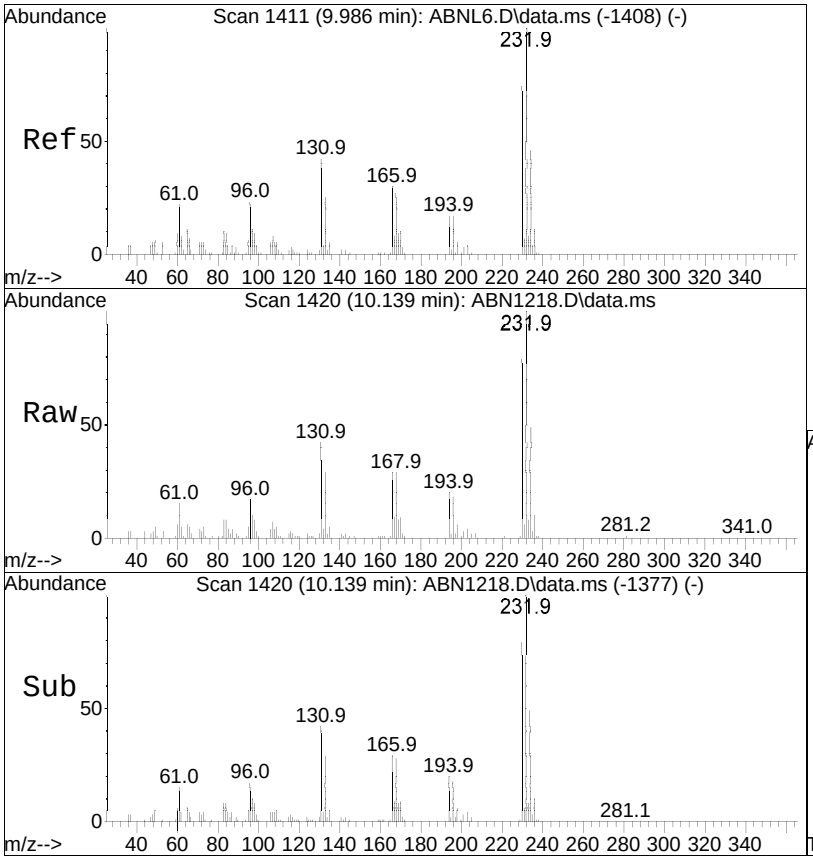


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.09 ug/ml
RT: 10.098 min Scan# 1413
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:232 Resp: 61001

Ion	Ratio	Lower	Upper
232	100		
230	78.5	64.2	96.4
234	48.5	38.1	57.1

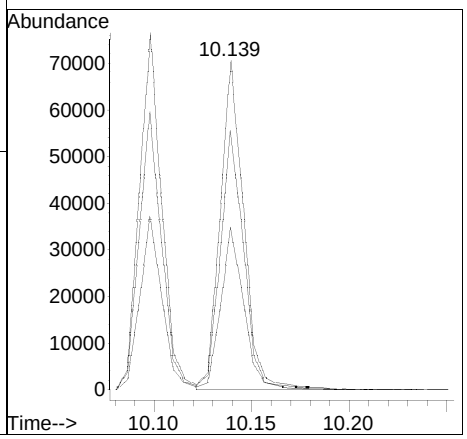


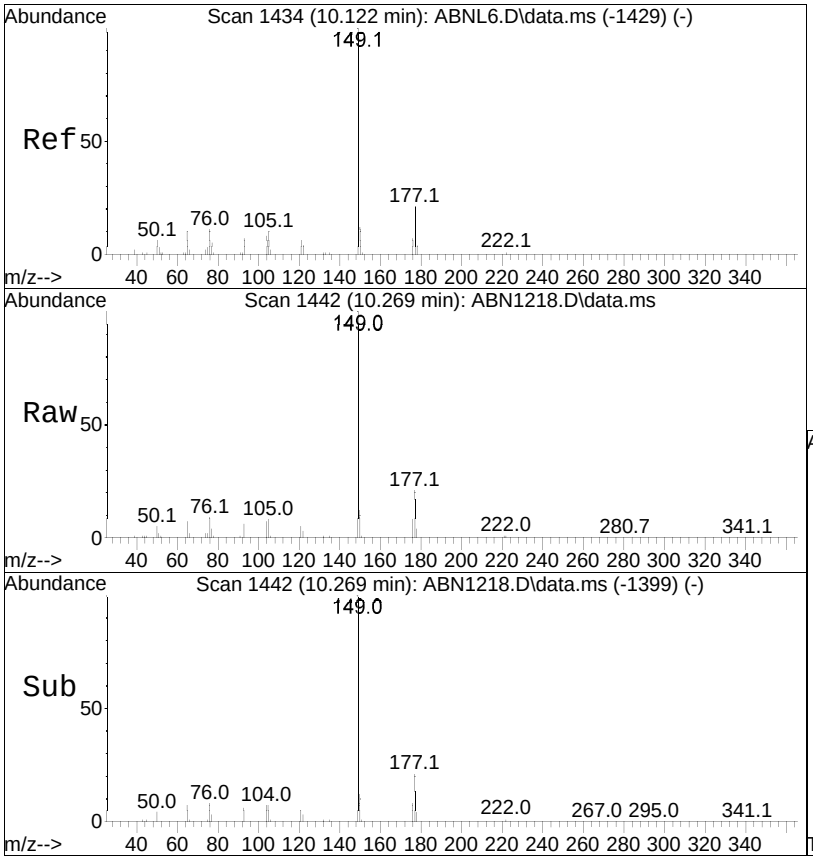


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.04 ug/ml
RT: 10.139 min Scan# 1420
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:232 Resp: 59617

Ion	Ratio	Lower	Upper
232	100		
230	77.6	61.8	92.8
234	48.7	36.2	54.2

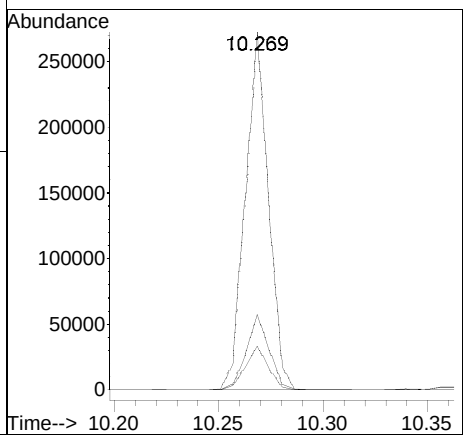


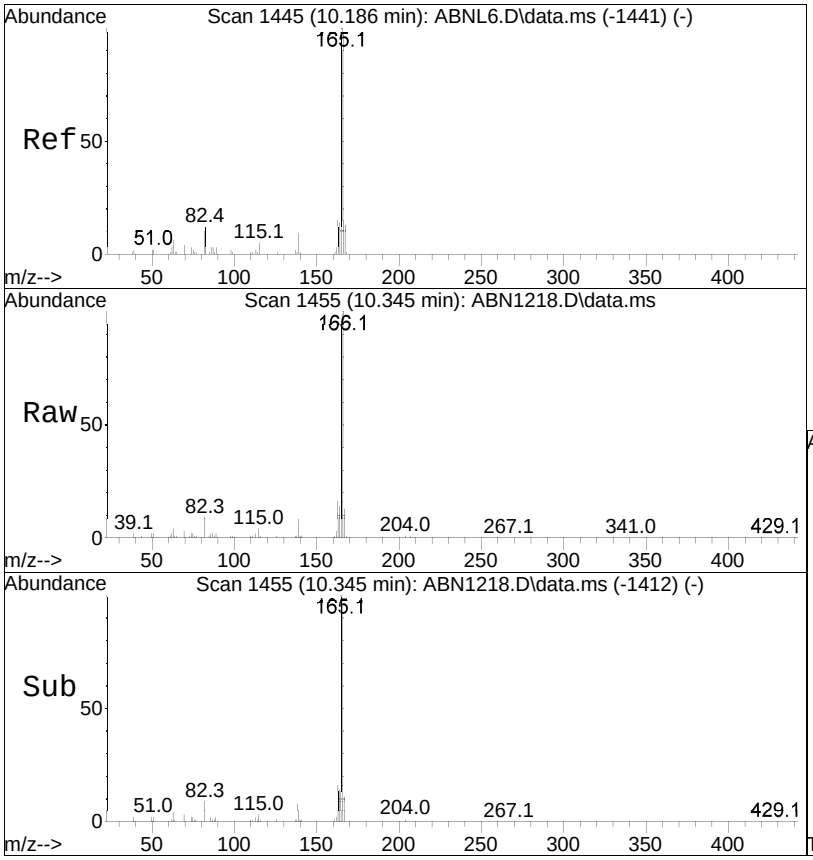


#72
Diethyl phthalate
Concen: 4.42 ug/ml
RT: 10.269 min Scan# 1442
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:149 Resp: 206004

Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.1	24.1
150	12.3	9.4	14.2

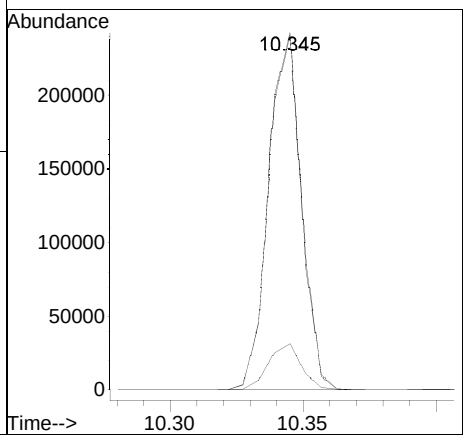


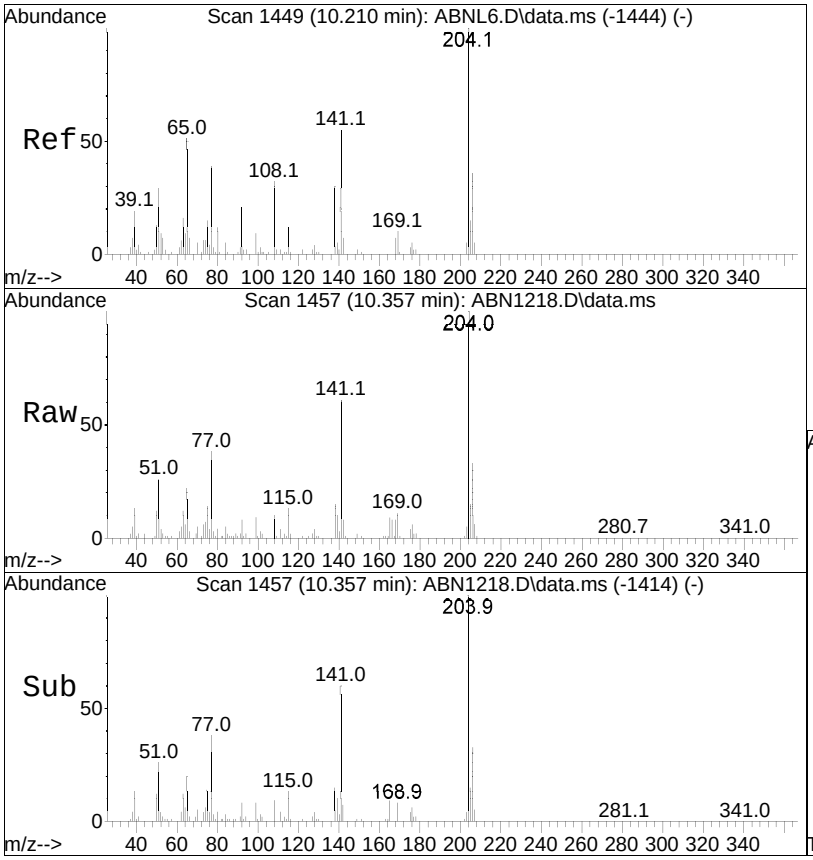


#73
Fluorene
Concen: 4.64 ug/ml
RT: 10.345 min Scan# 1455
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:166 Resp: 208495

Ion	Ratio	Lower	Upper
166	100		
165	98.5	76.2	114.2
167	13.1	10.6	15.8

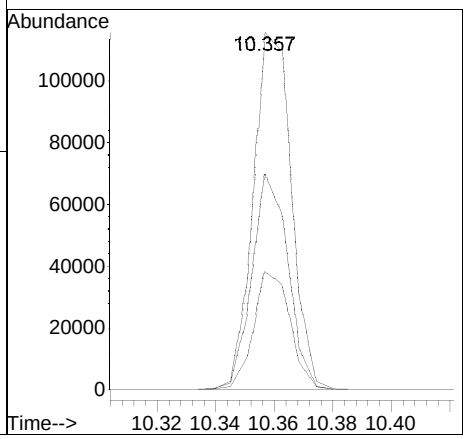


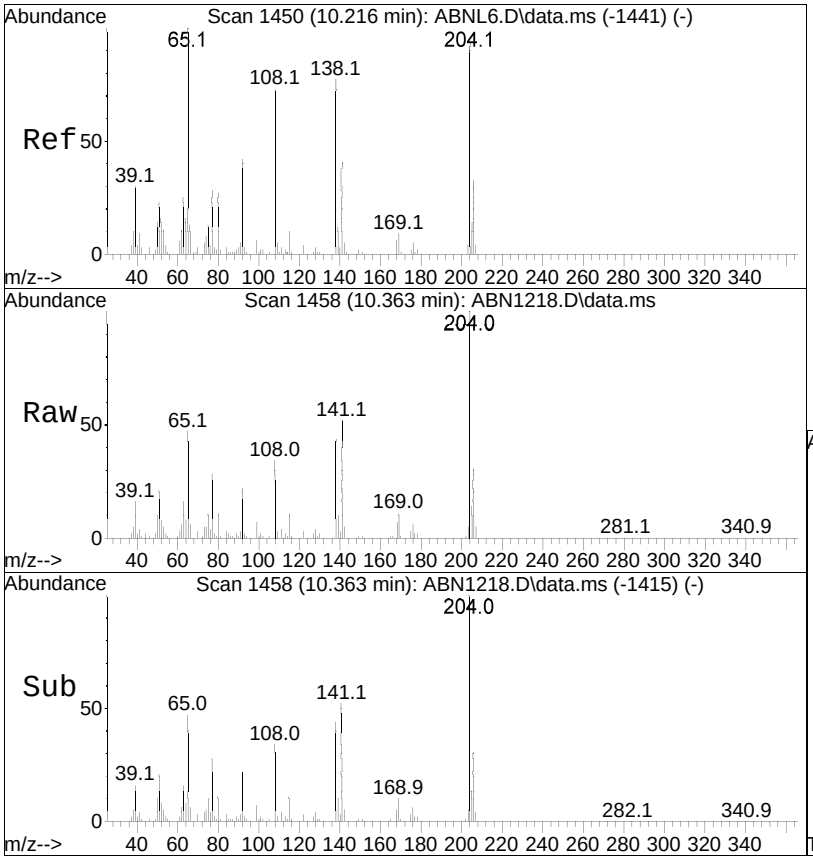


#74
4-Chlorophenyl phenyl ether
Concen: 4.51 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:204 Resp: 103982

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	57.3	53.6	80.4

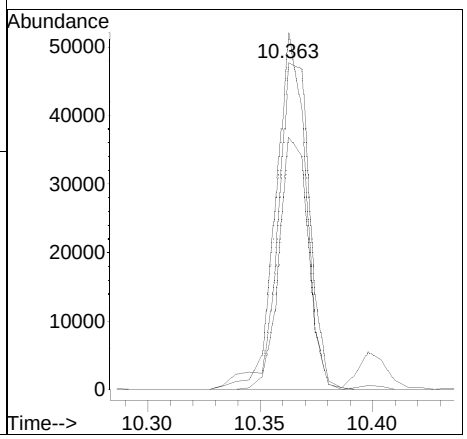


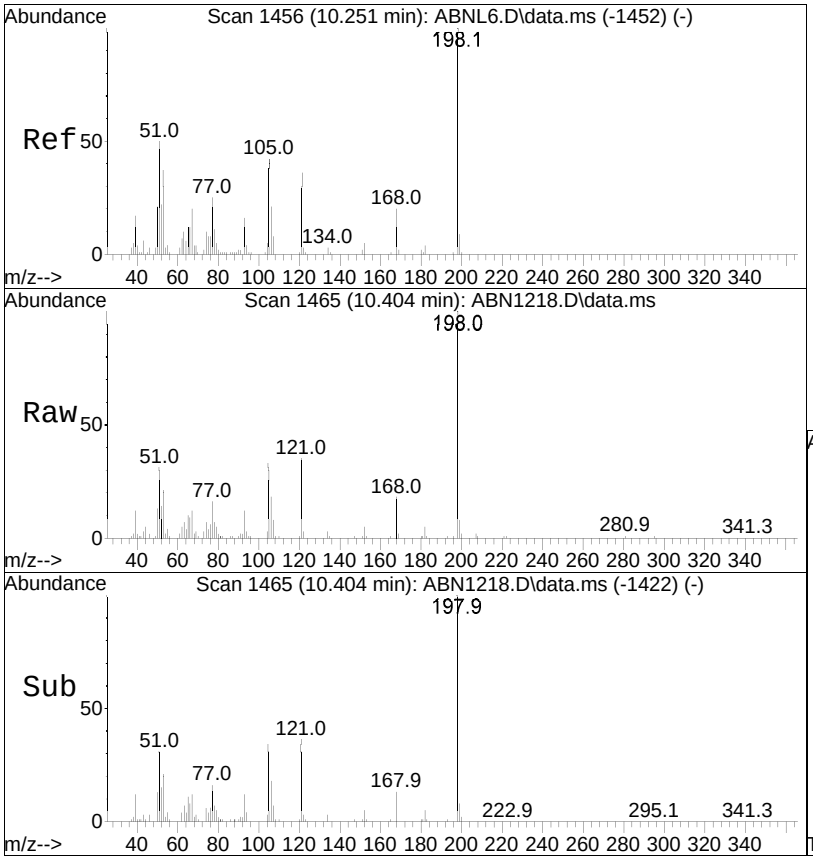


#75
4-Nitroaniline
Concen: 4.67 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:138 Resp: 47184

Ion	Ratio	Lower	Upper
138	100		
108	70.3	52.1	78.1
65	101.4	115.0	172.6#

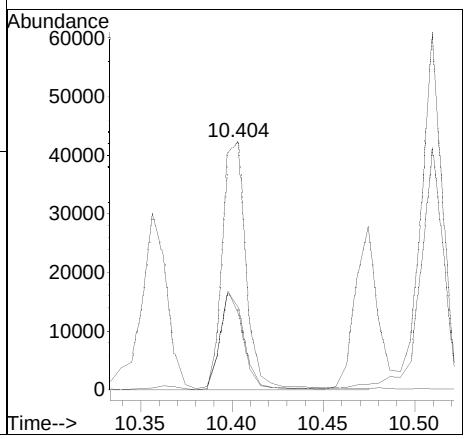


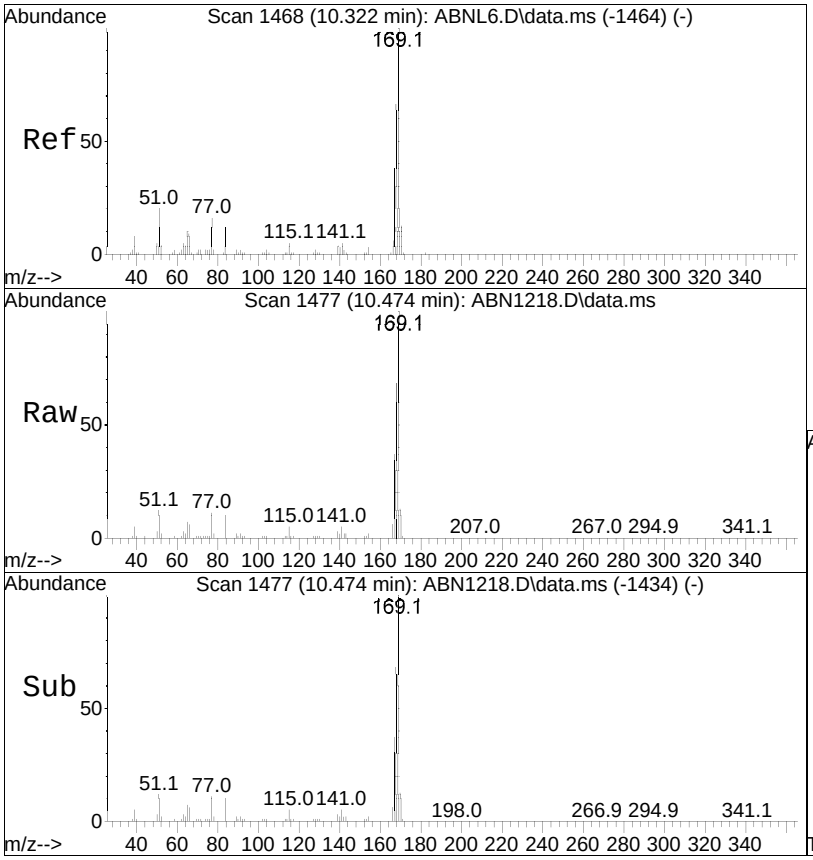


#76
4,6-Dinitro-o-cresol
Concen: 4.50 ug/ml
RT: 10.404 min Scan# 1465
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:198 Resp: 38936

Ion	Ratio	Lower	Upper
198	100		
51	38.4	76.0	114.0#
105	39.0	45.6	68.4#

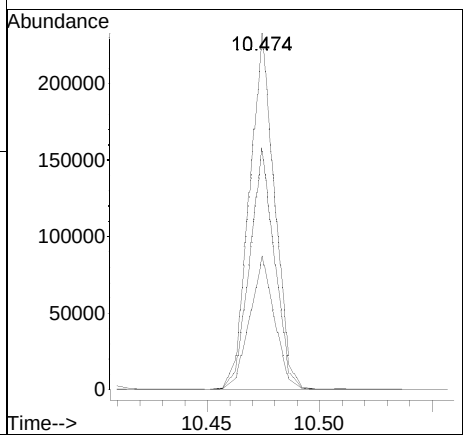


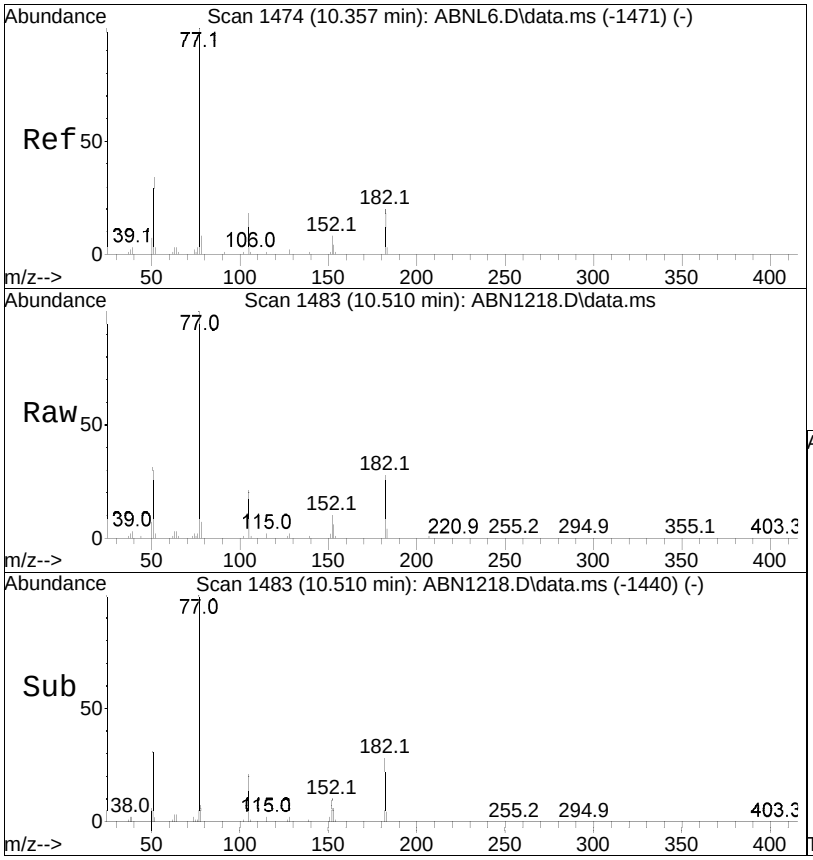


#77
NDPA/DPA
Concen: 4.69 ug/ml
RT: 10.474 min Scan# 1477
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:169 Resp: 181681

Ion	Ratio	Lower	Upper
169	100		
168	66.9	54.0	81.0
167	36.8	28.6	42.8

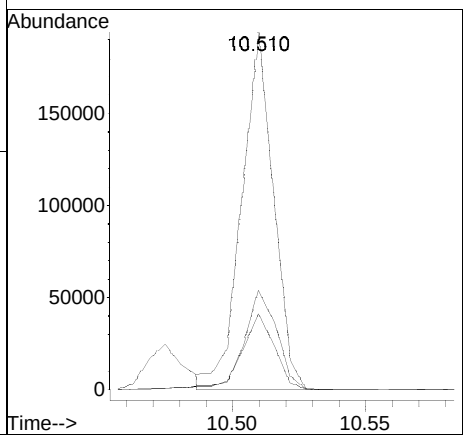


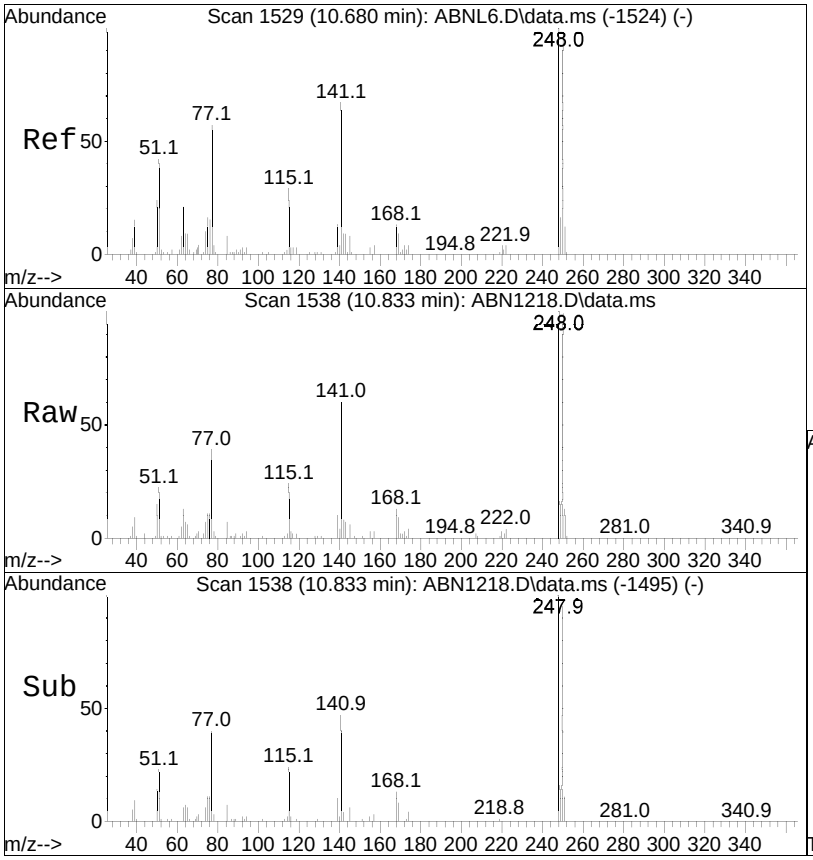


#78
Azobenzene
Concen: 4.23 ug/ml
RT: 10.510 min Scan# 1483
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion: 77 Resp: 160042

Ion	Ratio	Lower	Upper
77	100		
182	29.8	17.4	26.2#
105	23.2	15.4	23.2#

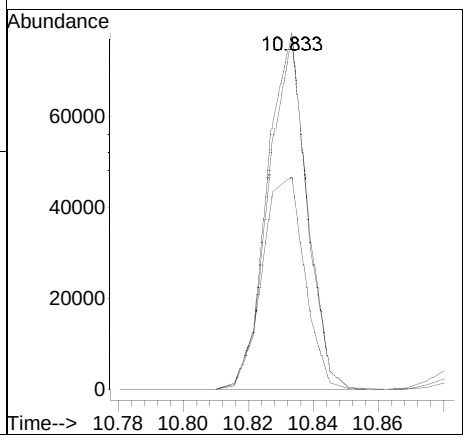


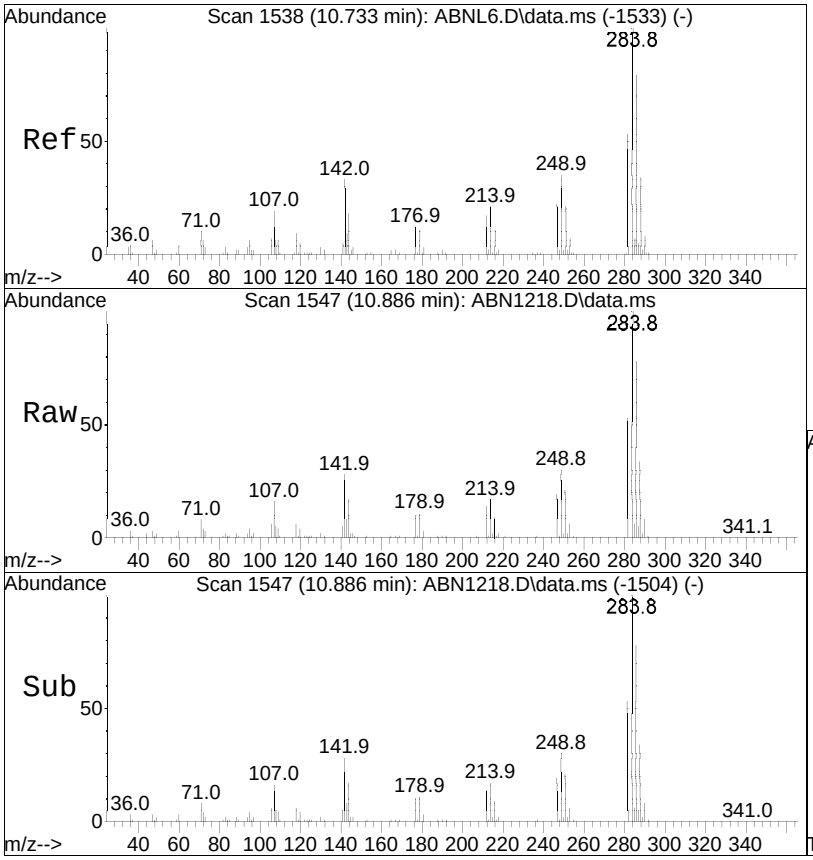


#80
4-Bromophenyl phenyl ether
Concen: 4.59 ug/ml
RT: 10.833 min Scan# 1538
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:248 Resp: 65547

Ion	Ratio	Lower	Upper
248	100		
141	65.0	76.6	114.8#
250	97.1	77.3	115.9

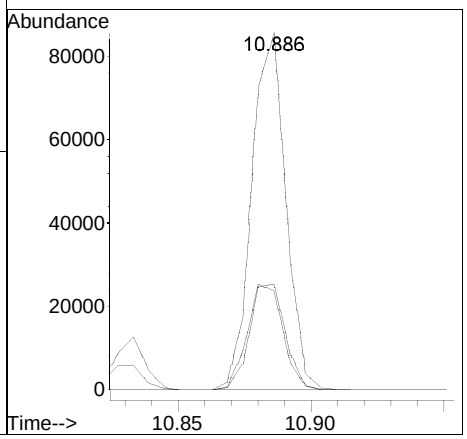


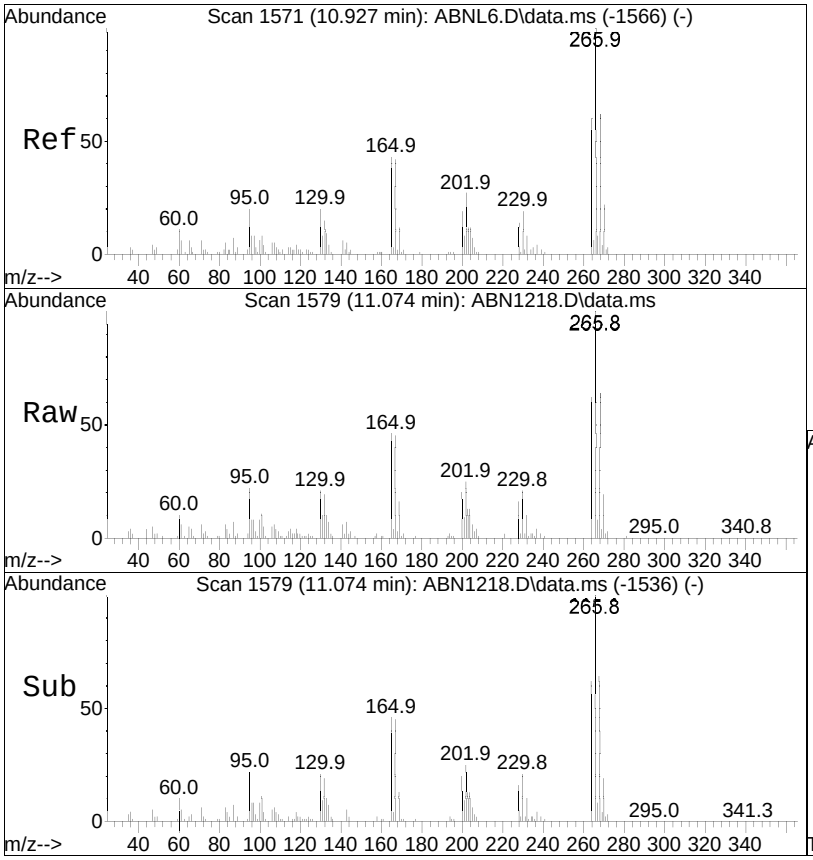


#81
Hexachlorobenzene
Concen: 4.69 ug/ml
RT: 10.886 min Scan# 1547
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:284 Resp: 75792

Ion	Ratio	Lower	Upper
284	100		
142	31.1	41.9	62.9#
249	31.2	24.1	36.1

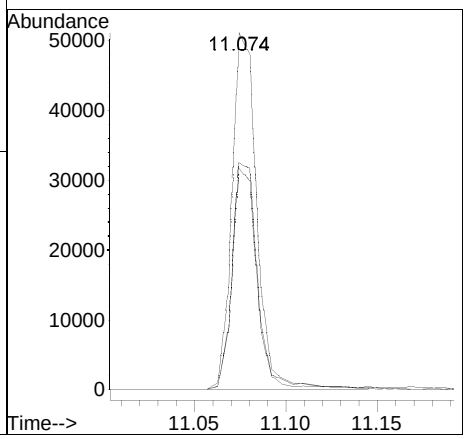


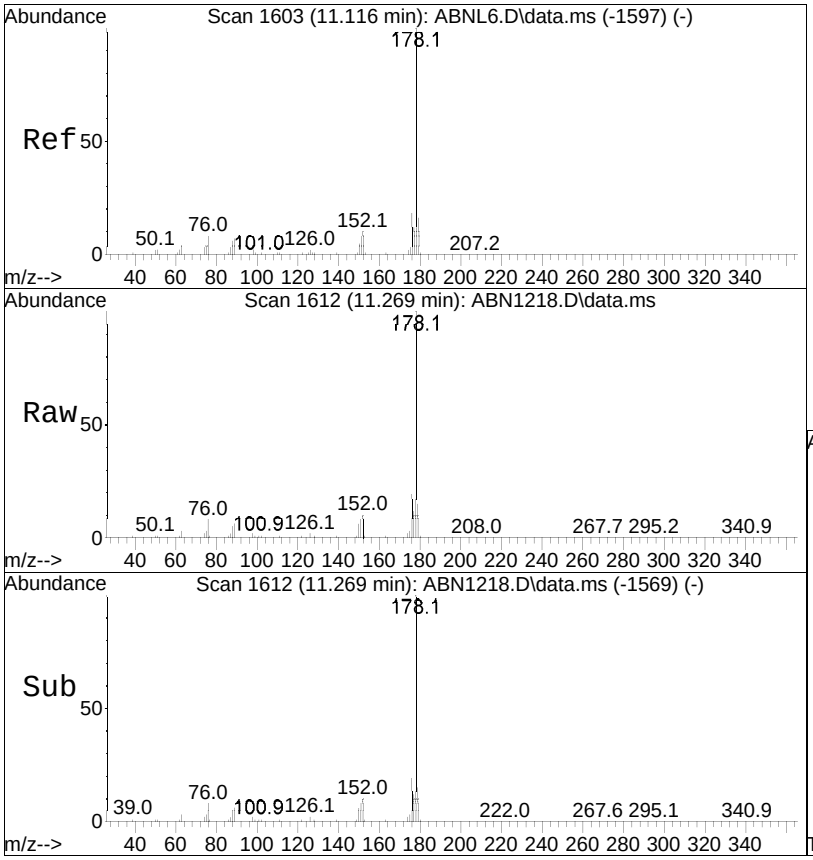


#82
Pentachlorophenol
Concen: 4.95 ug/ml
RT: 11.074 min Scan# 1579
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:266 Resp: 48426

Ion	Ratio	Lower	Upper
266	100		
264	61.3	49.7	74.5
268	66.0	50.5	75.7

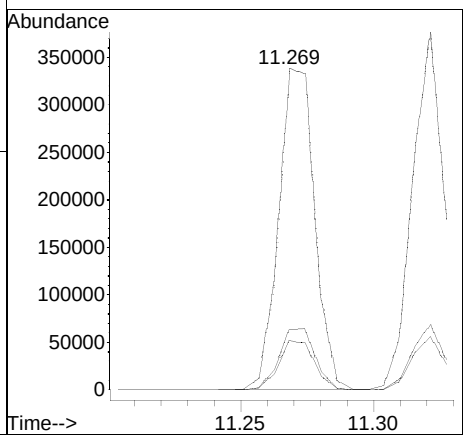


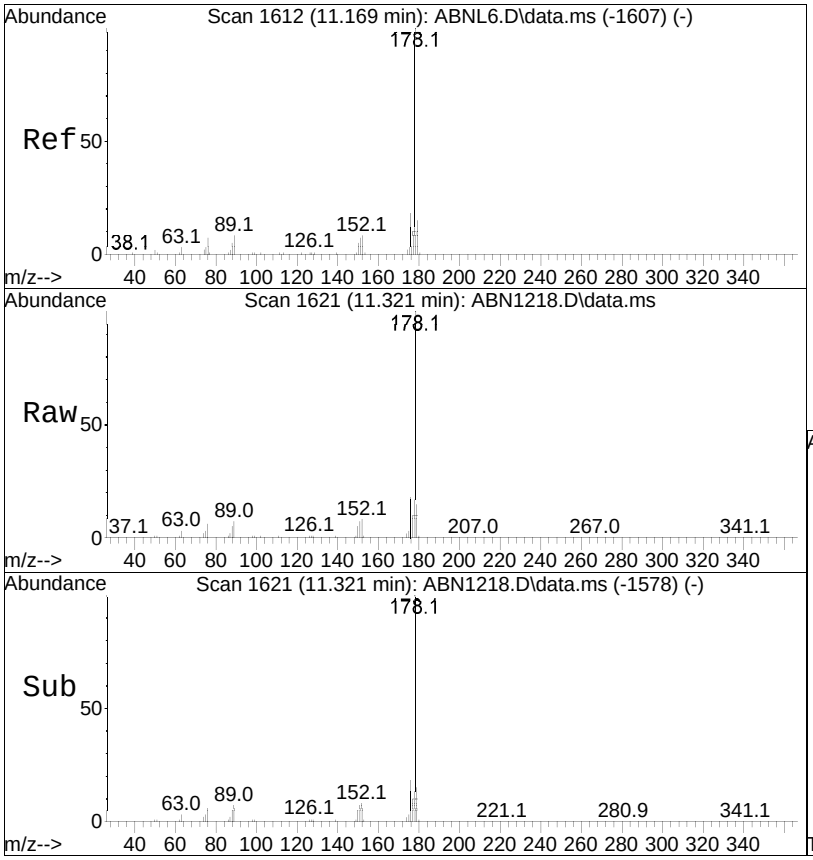


#89
Phenanthrene
Concen: 4.71 ug/ml
RT: 11.269 min Scan# 1612
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:178 Resp: 317167

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.1	15.4	23.2

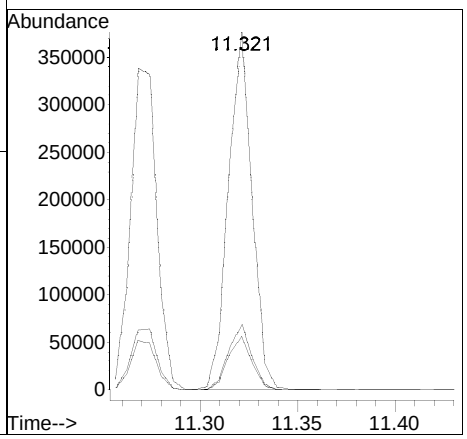


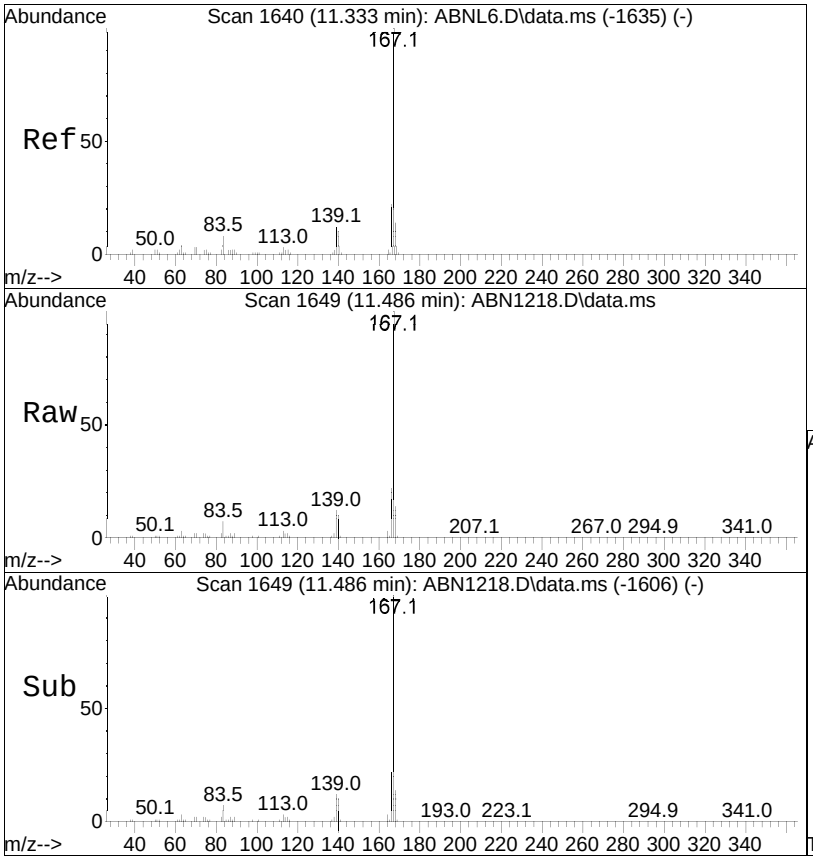


#90
Anthracene
Concen: 4.72 ug/ml
RT: 11.321 min Scan# 1621
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:178 Resp: 316864

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.3	14.6	22.0

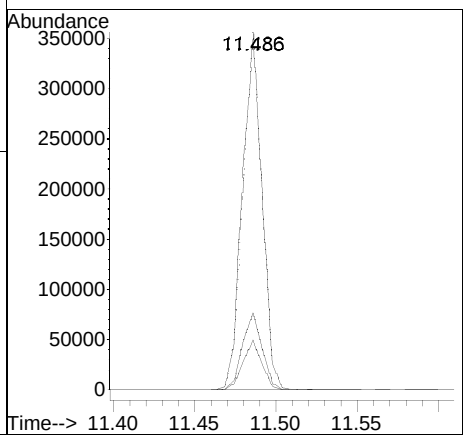


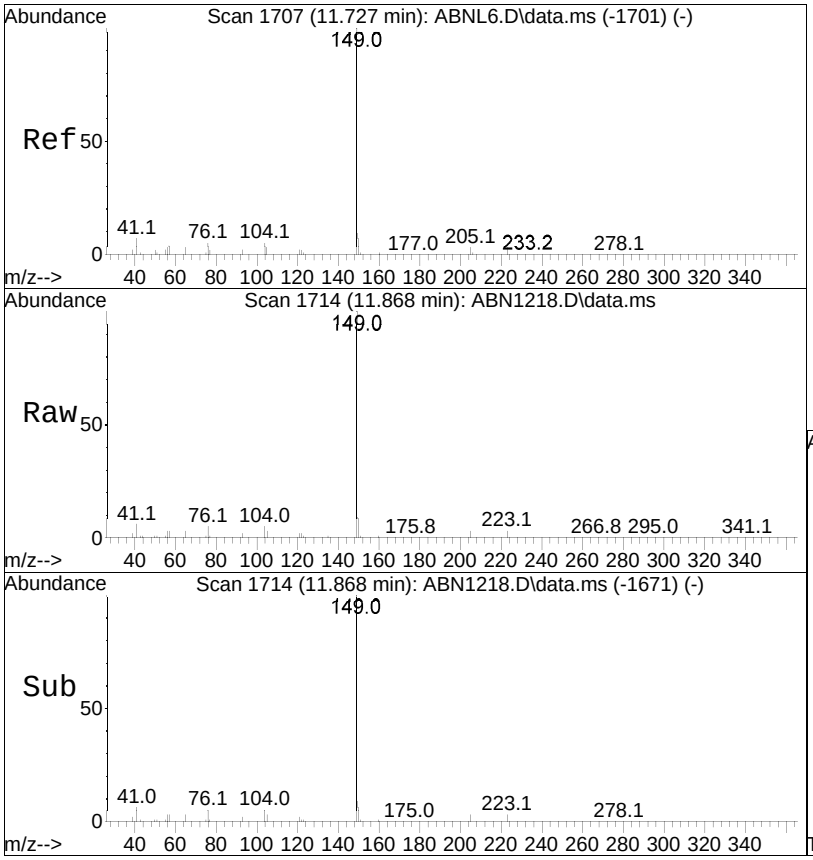


#91
Carbazole
Concen: 4.85 ug/ml
RT: 11.486 min Scan# 1649
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:167 Resp: 293213

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.0	17.4	26.0

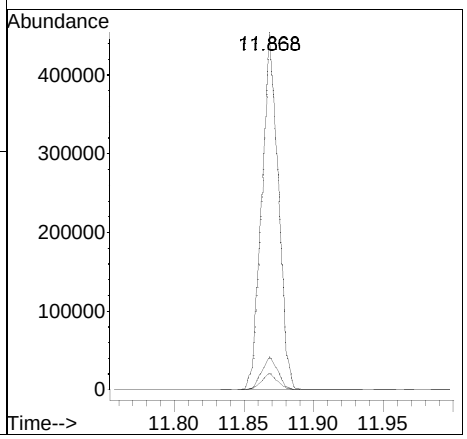


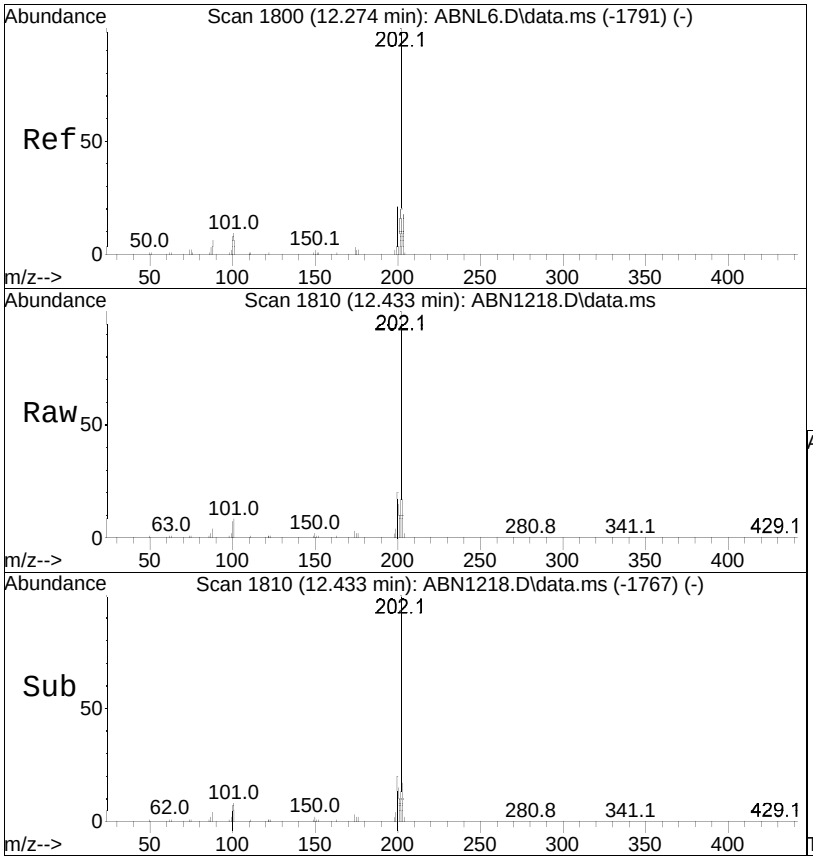


#92
Di-n-butylphthalate
Concen: 4.80 ug/ml
RT: 11.868 min Scan# 1714
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:149 Resp: 363714

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.6	4.5	6.7

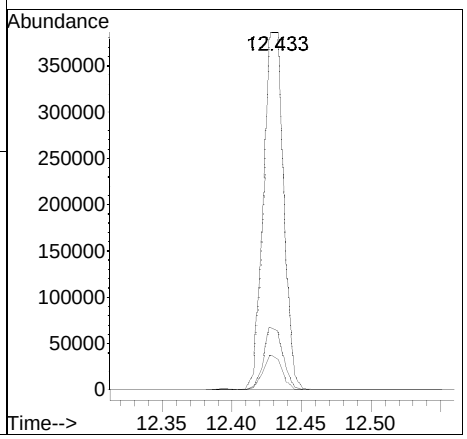


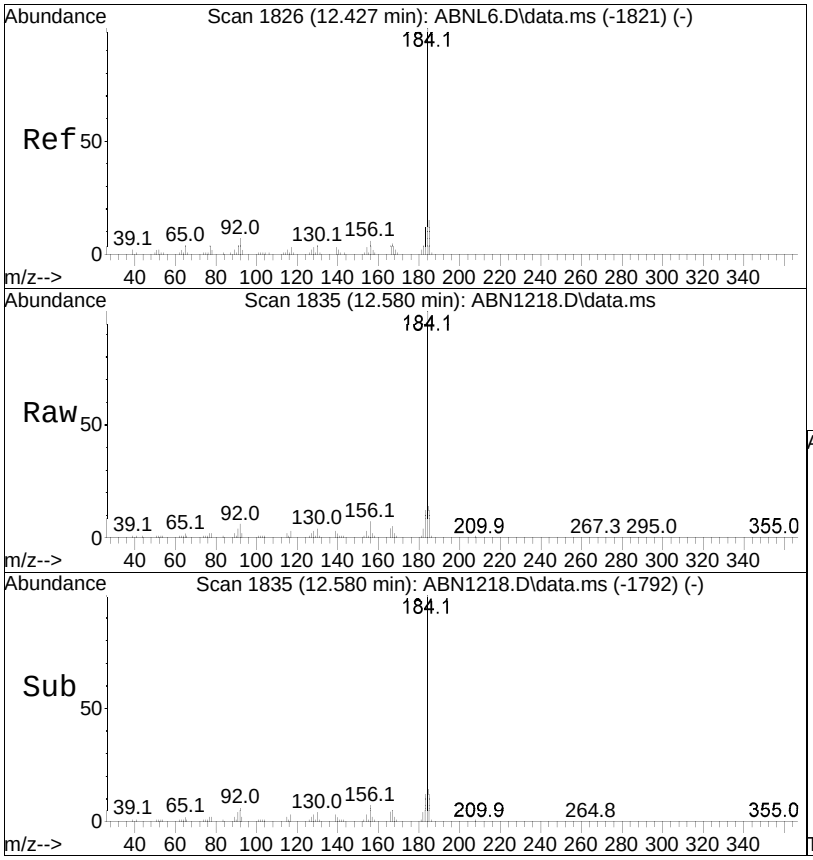


#93
Fluoranthene
Concen: 4.93 ug/ml
RT: 12.433 min Scan# 1810
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:202 Resp: 382874

Ion	Ratio	Lower	Upper
202	100		
101	9.3	13.5	20.3#
203	16.9	13.6	20.4

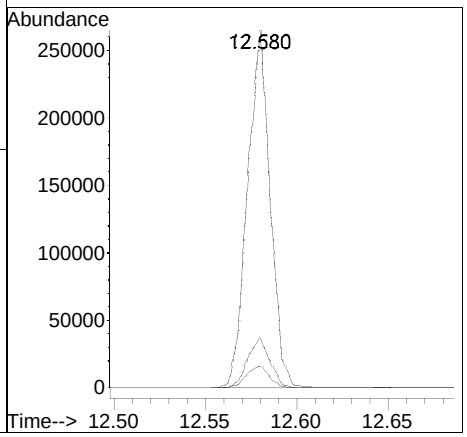


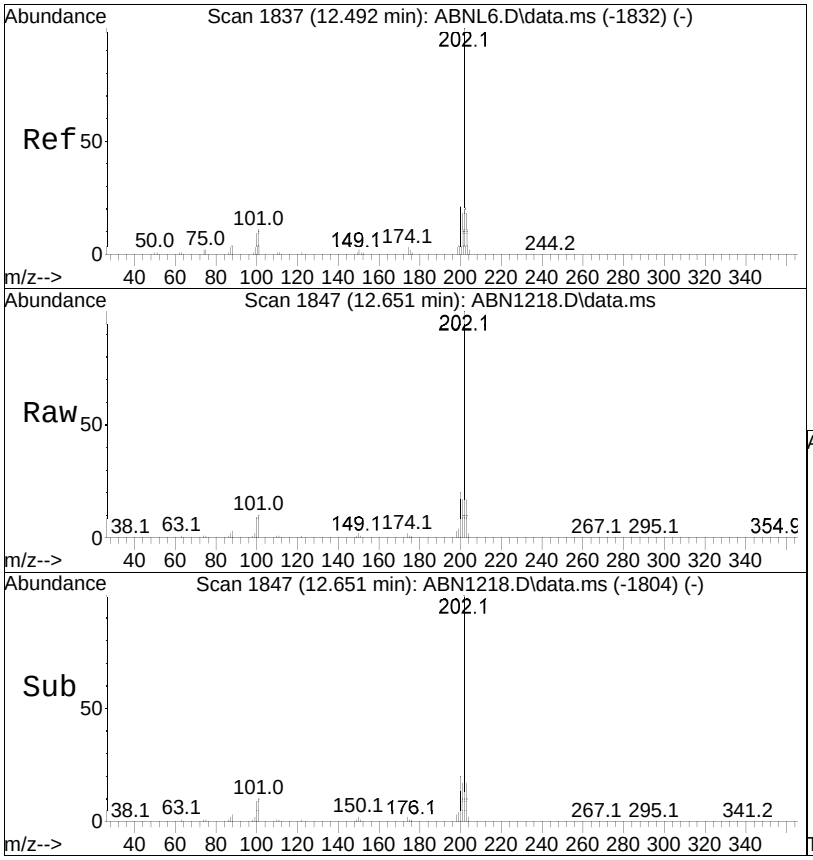


#94
Benzidine
Concen: 5.06 ug/ml
RT: 12.580 min Scan# 1835
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:184 Resp: 225115

Ion	Ratio	Lower	Upper
184	100		
92	6.4	9.1	13.7#
185	14.0	11.1	16.7

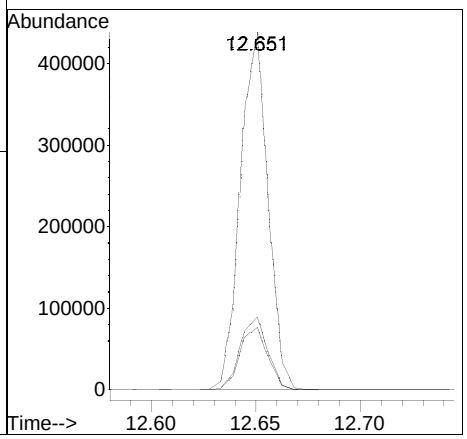


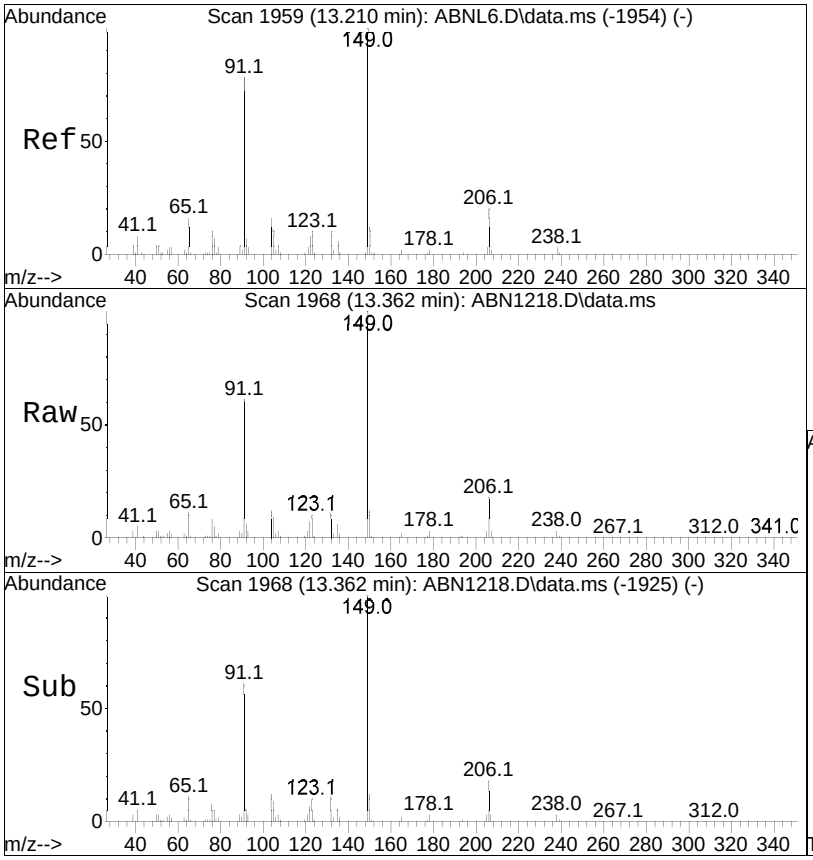


#95
Pyrene
Concen: 4.88 ug/ml
RT: 12.651 min Scan# 1847
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:202 Resp: 399865

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	17.8	14.2	21.4

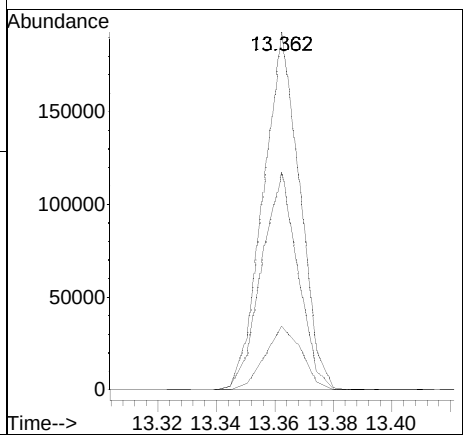


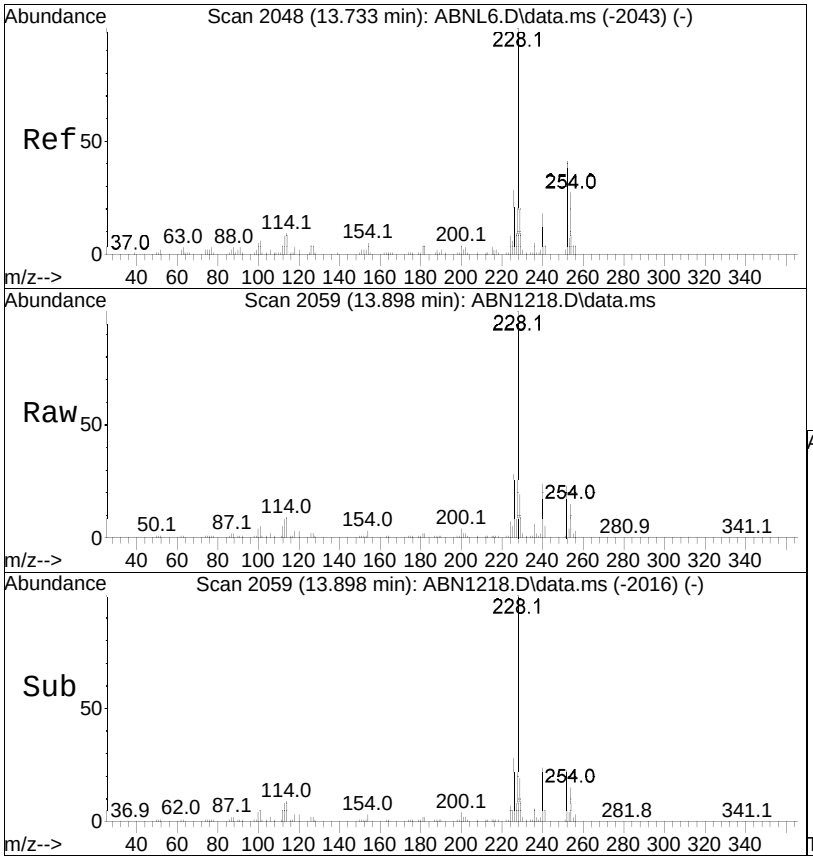


#97
Butyl benzyl phthalate
Concen: 5.22 ug/ml
RT: 13.362 min Scan# 1968
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:149 Resp: 166081

Ion	Ratio	Lower	Upper
149	100		
91	61.2	63.3	94.9#
206	18.0	13.9	20.9

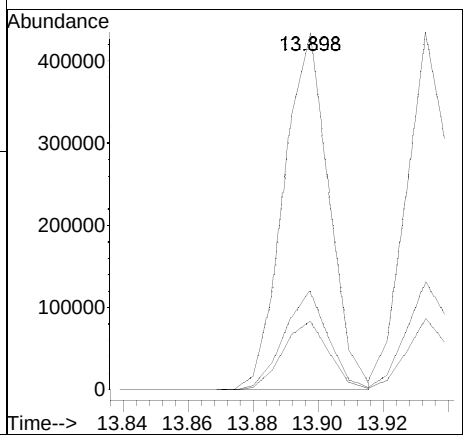


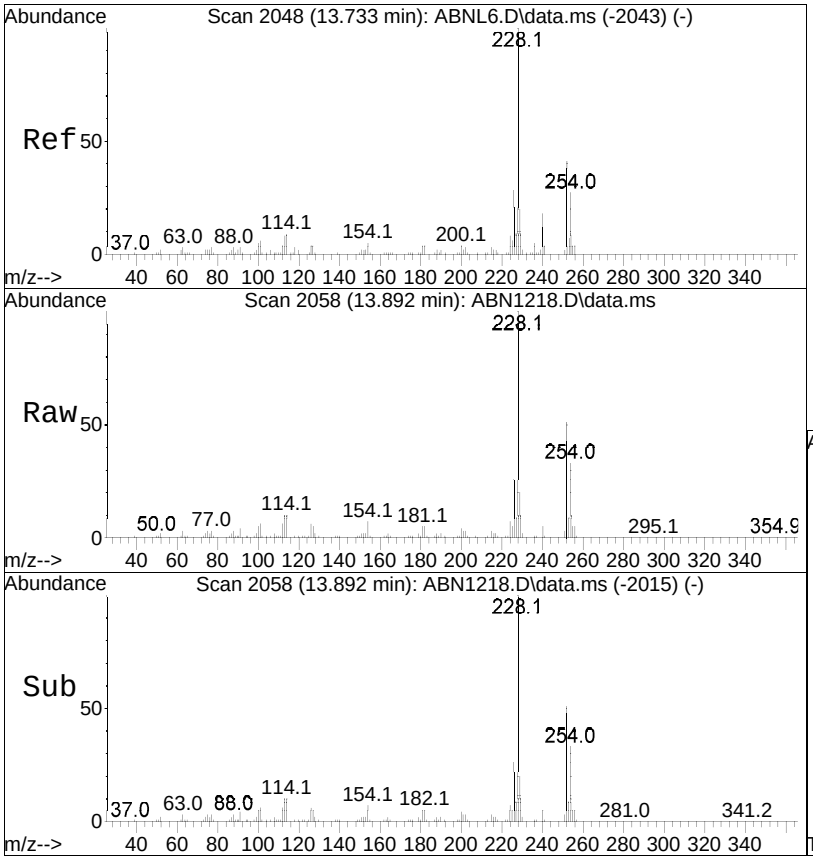


#105
Benzo(a)anthracene
Concen: 4.62 ug/ml
RT: 13.898 min Scan# 2059
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:228 Resp: 421080

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.4
229	19.6	15.6	23.4

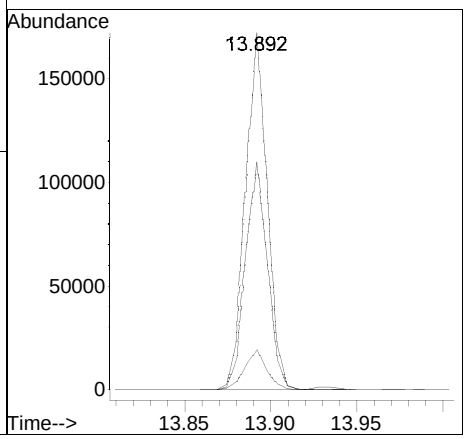


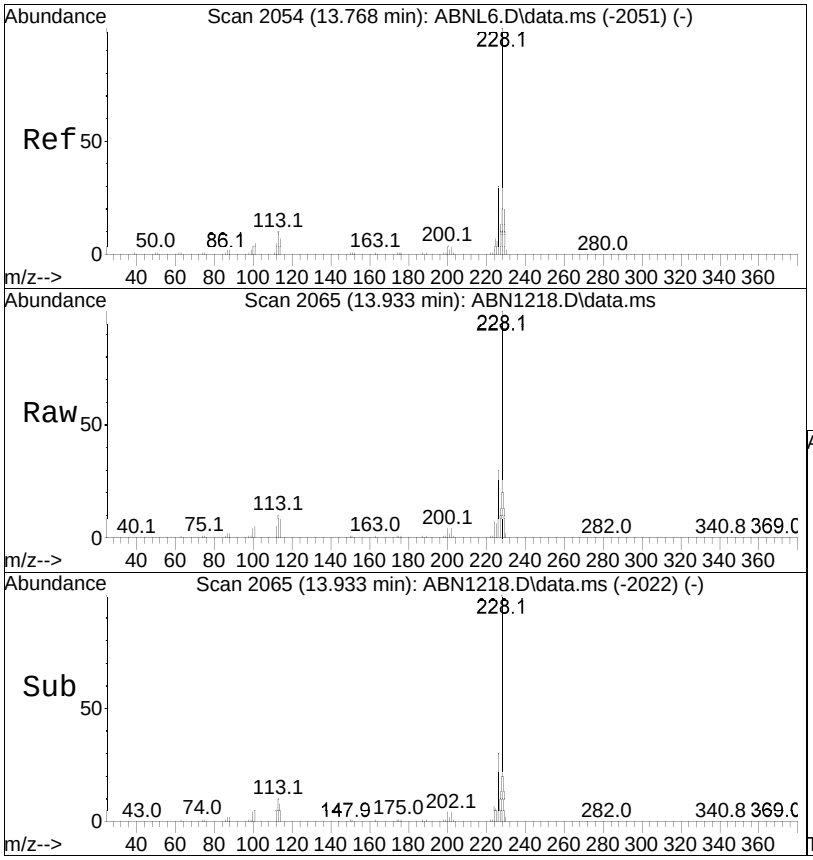


#106
3,3'-Dichlorobenzidine
Concen: 5.03 ug/ml
RT: 13.892 min Scan# 2058
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:252 Resp: 150767

Ion	Ratio	Lower	Upper
252	100		
126	11.6	14.5	21.7#
254	64.6	51.2	76.8

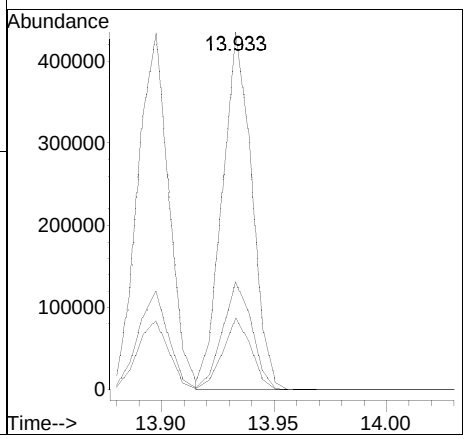


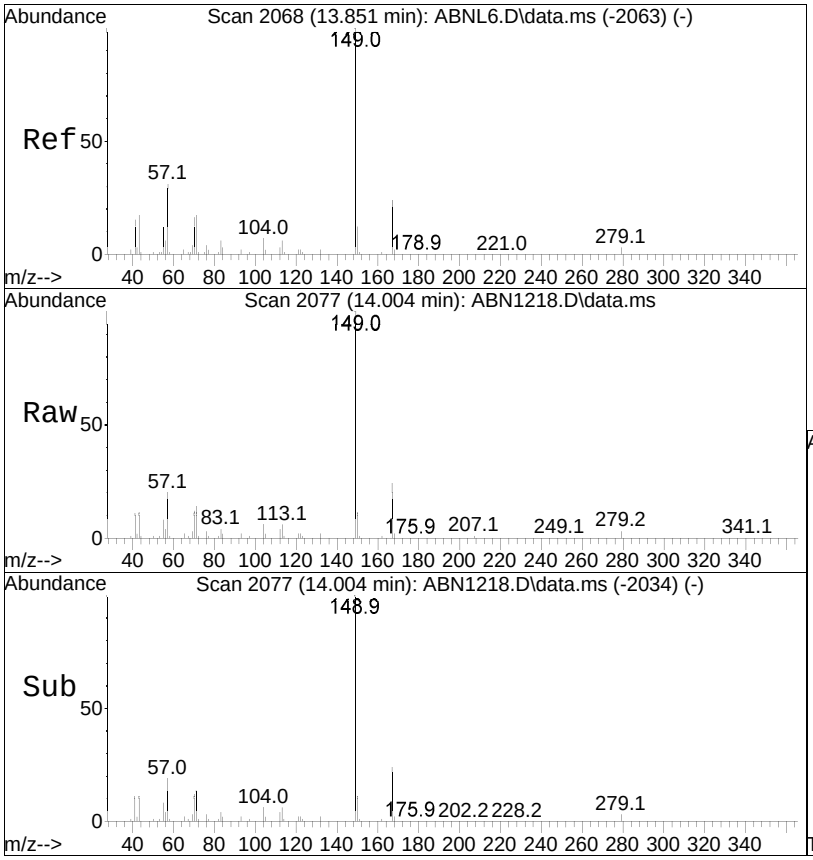


#107
Chrysene
Concen: 4.54 ug/ml
RT: 13.933 min Scan# 2065
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:228 Resp: 397583

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.3	15.8	23.8

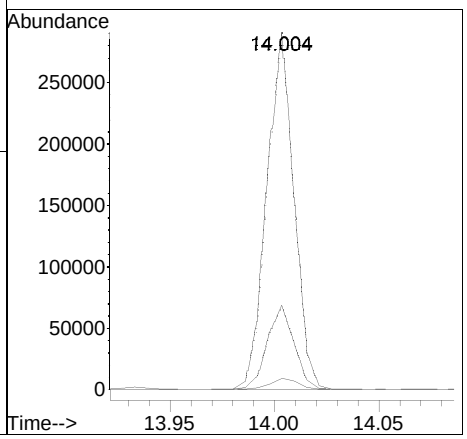


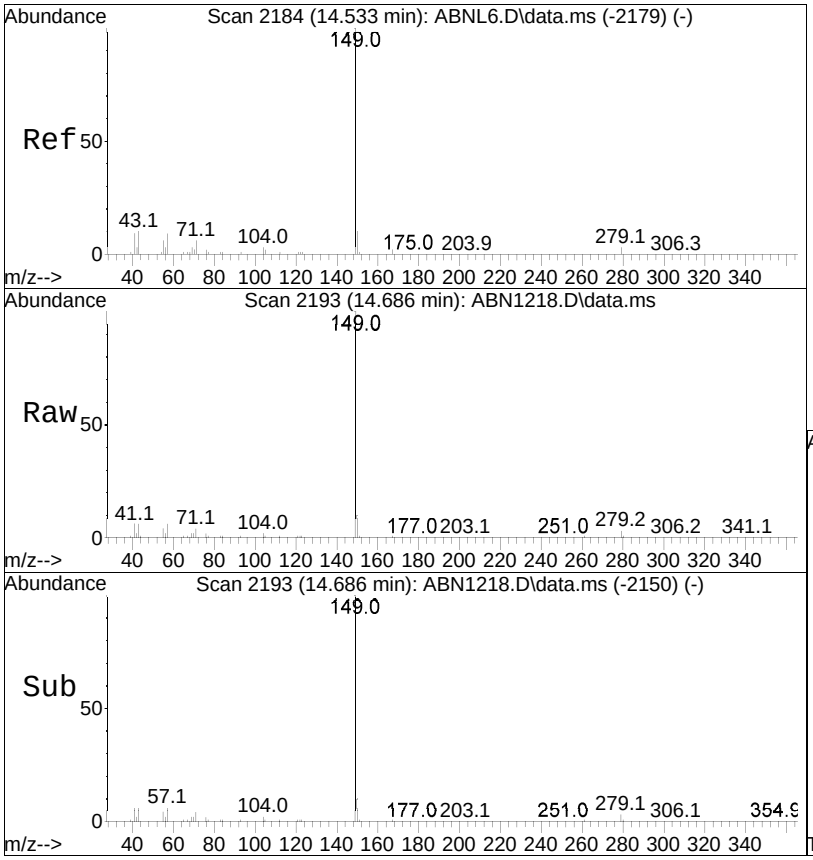


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 14.004 min Scan# 2077
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:149 Resp: 259536

Ion	Ratio	Lower	Upper
149	100		
167	23.4	22.1	33.1
279	3.0	3.0	4.4

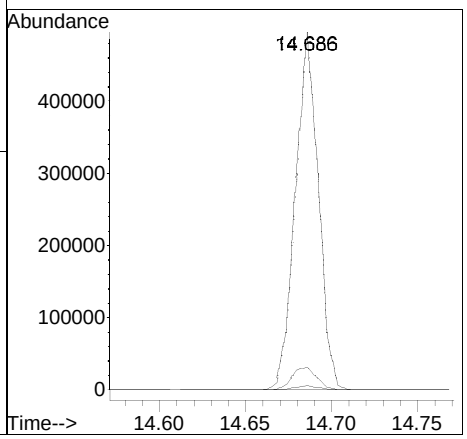


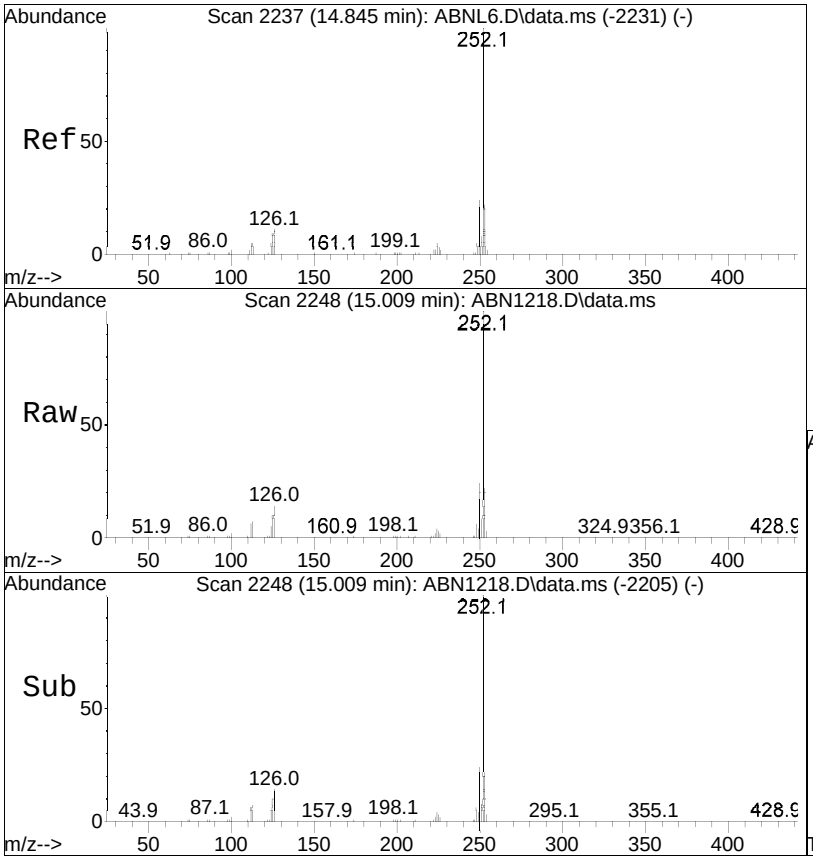


#109
Di-n-octylphthalate
Concen: 4.99 ug/ml
RT: 14.686 min Scan# 2193
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:149 Resp: 453418

Ion	Ratio	Lower	Upper
149	100		
43	7.1	18.8	28.2#
167	1.4	1.3	1.9

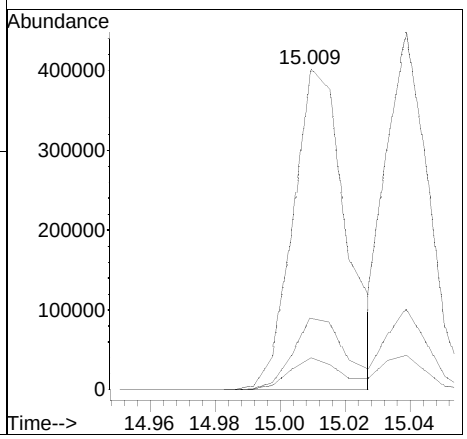


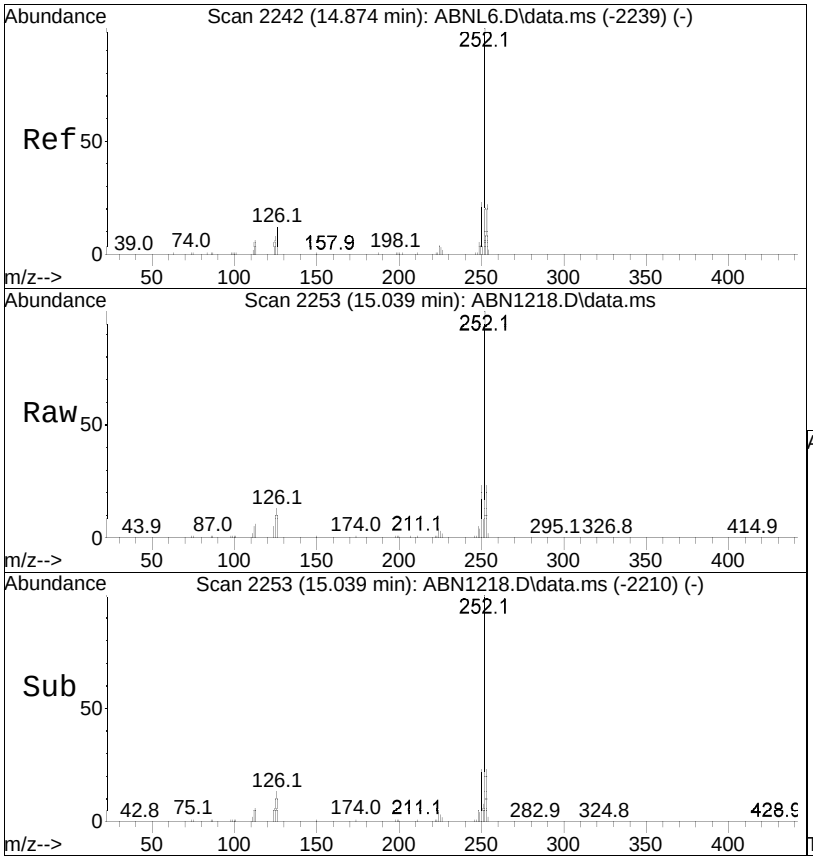


#110
Benzo(b)fluoranthene
Concen: 5.23 ug/ml
RT: 15.009 min Scan# 2248
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:252 Resp: 459757

Ion	Ratio	Lower	Upper
252	100		
125	9.0	13.3	19.9#
253	22.4	17.1	25.7

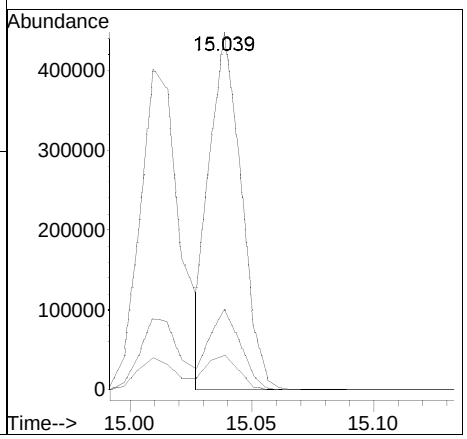


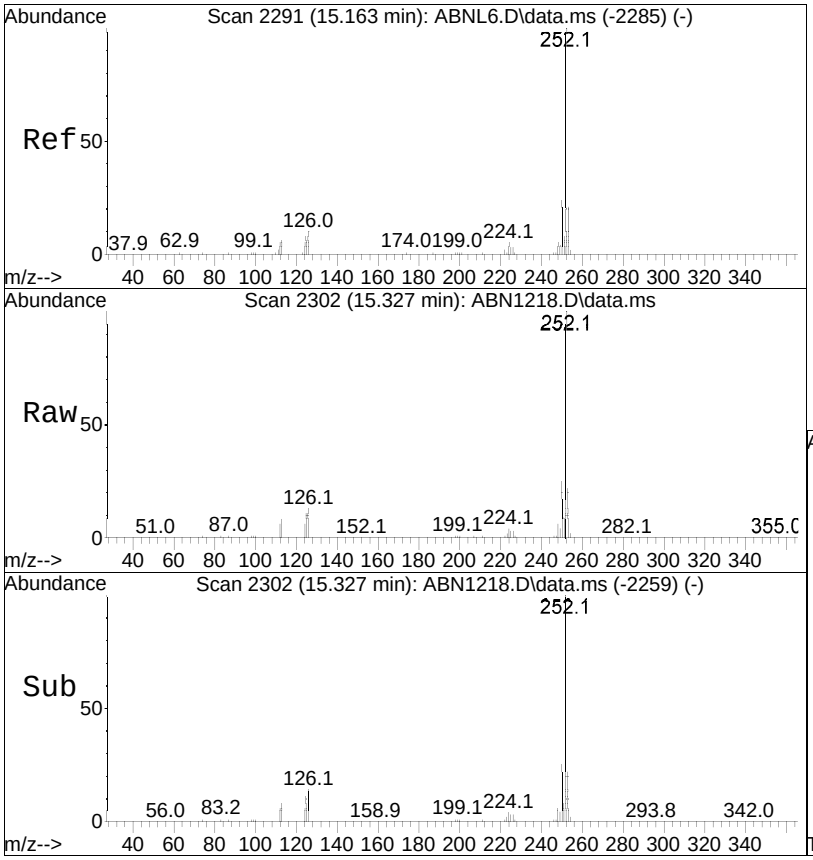


#111
Benzo(k)fluoranthene
Concen: 4.90 ug/ml
RT: 15.039 min Scan# 2253
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:252 Resp: 401238

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.0	19.6#
253	21.9	16.8	25.2

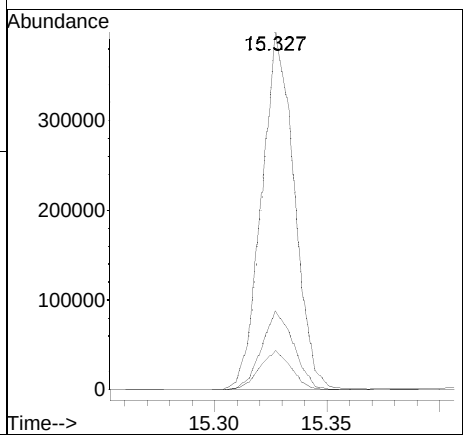


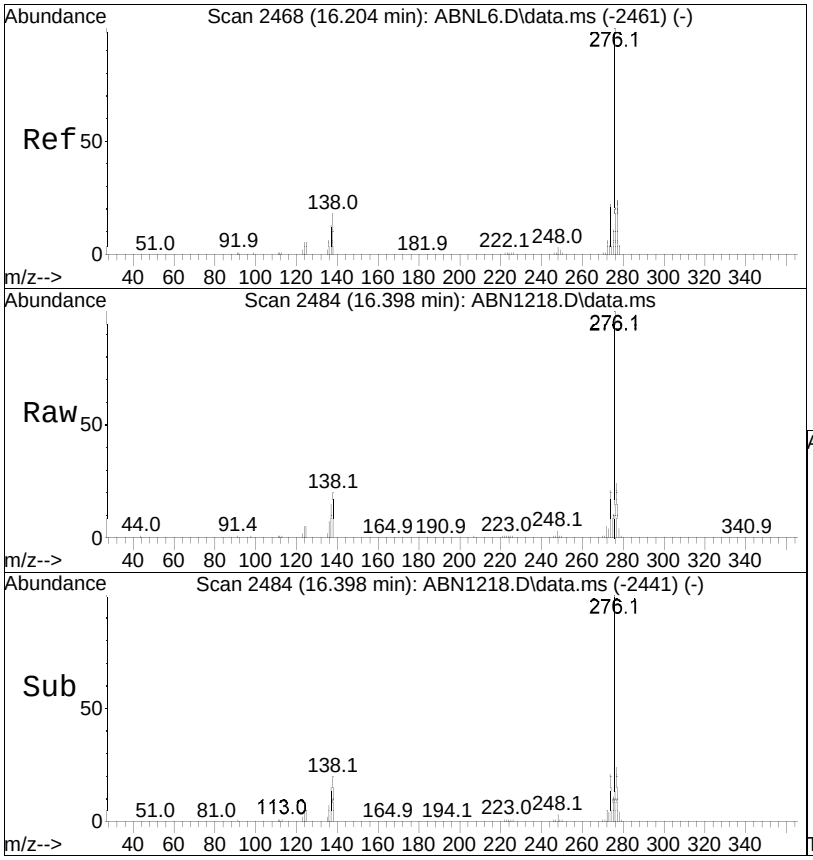


#112
Benzo(a)pyrene
Concen: 5.22 ug/ml
RT: 15.327 min Scan# 2302
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:252 Resp: 398809

Ion	Ratio	Lower	Upper
252	100		
125	10.8	14.2	21.2#
253	22.1	16.9	25.3

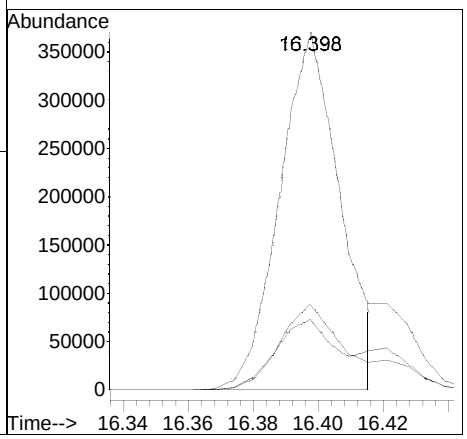


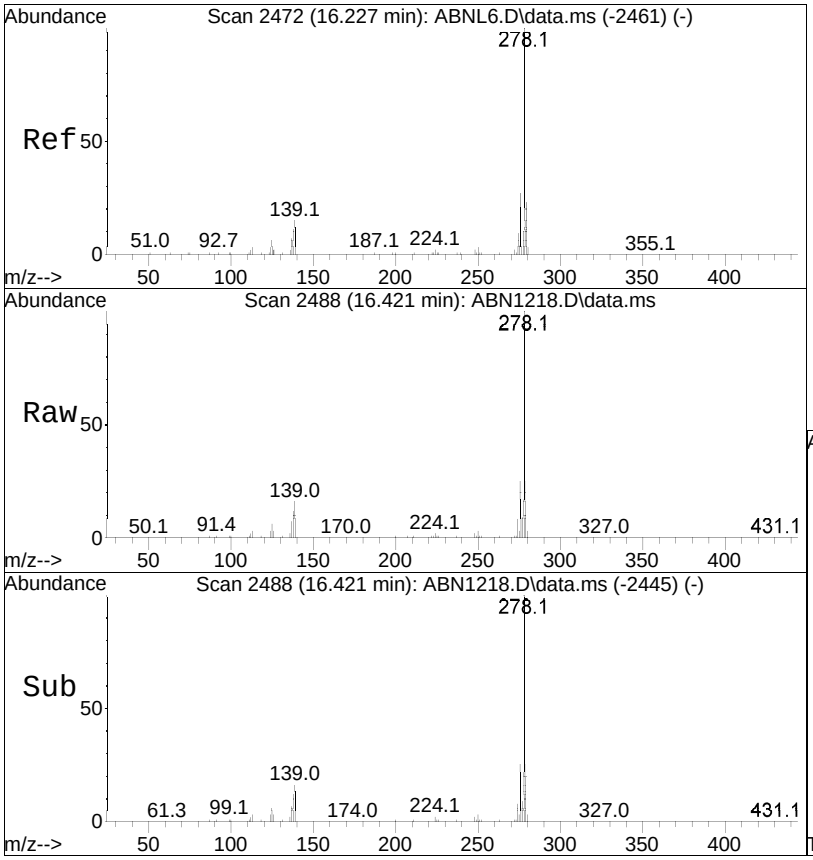


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.21 ug/mL M6
RT: 16.398 min Scan# 2484
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:276 Resp: 480901

Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.1	37.7
277	29.9	18.6	28.0#

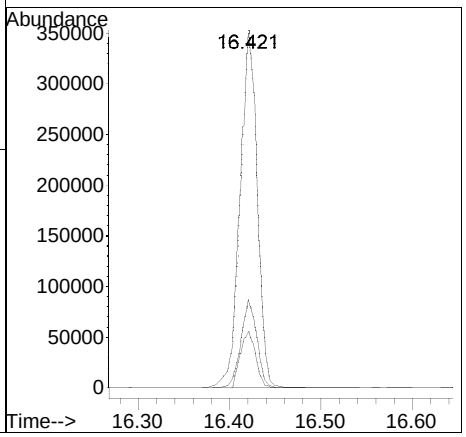


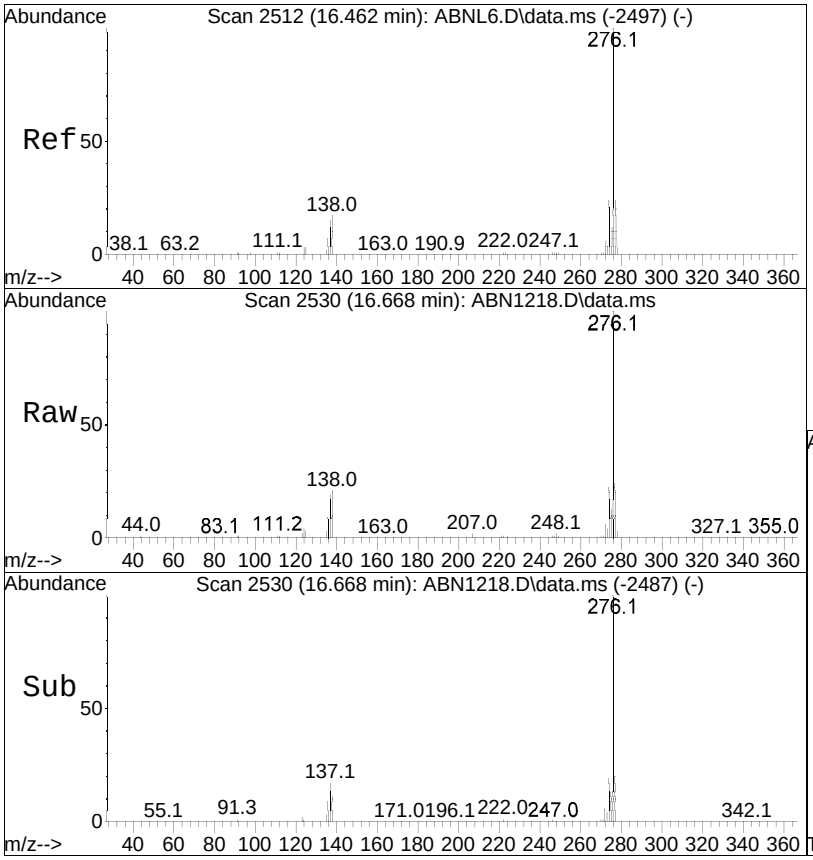


#115
Dibenzo(a,h)anthracene
Concen: 5.20 ug/ml
RT: 16.421 min Scan# 2488
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:278 Resp: 456172

Ion	Ratio	Lower	Upper
278	100		
139	14.3	20.8	31.2#
279	23.2	18.3	27.5

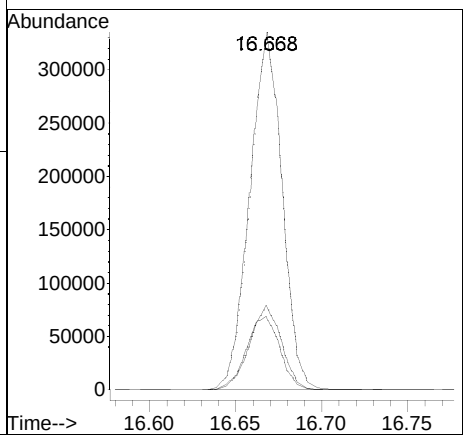




#116
Benzo(ghi)perylene
Concen: 5.28 ug/ml
RT: 16.668 min Scan# 2530
Delta R.T. 0.000 min
Lab File: ABN1218.D
Acq: 18 Dec 2024 10:19 pm

Tgt Ion:276 Resp: 434164

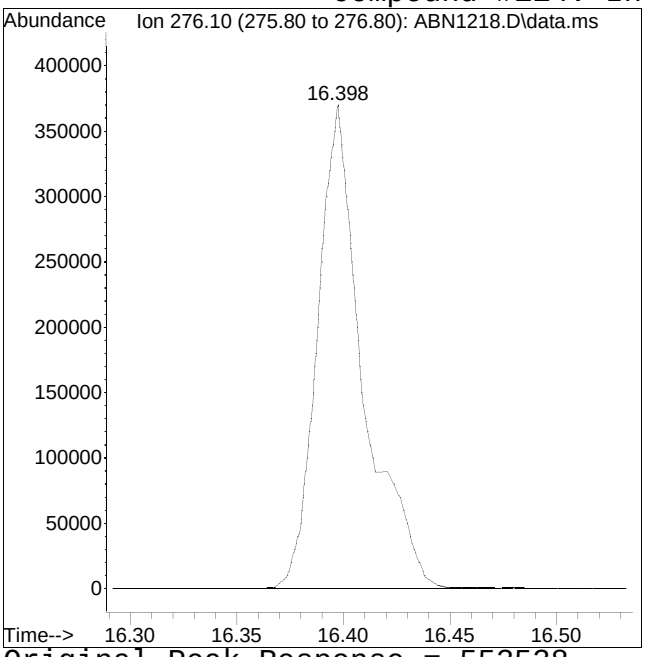
Ion	Ratio	Lower	Upper
276	100		
138	21.5	29.2	43.8#
277	23.5	18.8	28.2



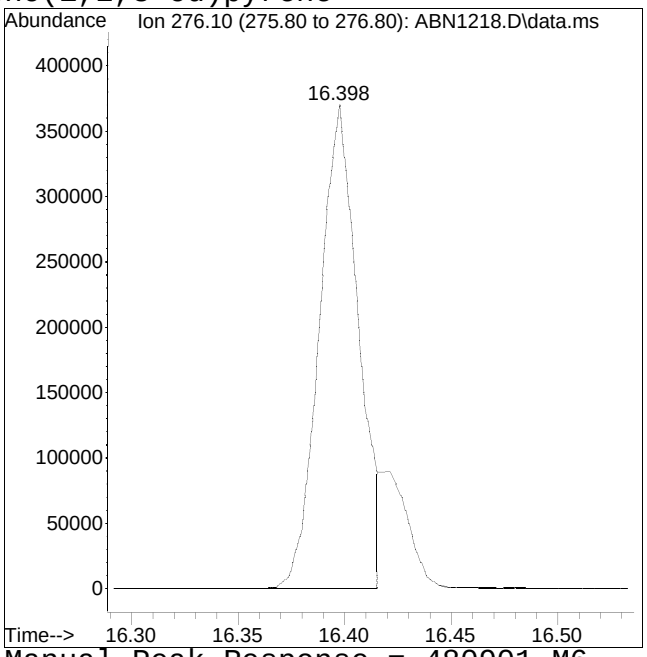
Manual Integration Report

Data Path : I:\8270\SV106\241218RVT\ QMethod : FS241009SV106.m
Data File : ABN1218.D Operator : SV106:im
Date Inj'd : 12/18/2024 10:19 pm Instrument : SV 106
Sample : WG2011026-3,32,,ABN RVT CCQuant Date : 12/18/2024 11:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 553538



Manual Peak Response = 480901 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241218RVT\
Data File : AP91218.D
Acq On : 18 Dec 2024 10:43 pm
Operator : SV106:im
Sample : WG2011026-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2011026,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 18 23:04:02 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:05:36 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
28	T	Benzaldehyde	0.948	0.908	4.2	78	0.00
29	T	Acetophenone	1.829	1.553	15.1	72	0.00
30	T	m-Toluidine	1.612	1.484	7.9	77	0.00
31	T	2-Chloroaniline	1.609	1.490	7.4	76	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	79	0.00
56	T	a-Terpineol	0.282	0.213	24.5#	60	0.00
57	T	3-Chloroaniline	0.132	0.117	11.4	66	0.00
58	T	2,6-Dichlorophenol	0.300	0.291	3.0	74	0.00
59	T	1-chloro-2-nitrobenzene	0.145	0.130	10.3	71	0.00
60	T	Caprolactam	0.147	0.111	24.5#	59	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.402	0.366	9.0	73	0.00
62	T	Biphenyl	0.907	0.829	8.6	71	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	79	0.00
84	T	Dichloran	0.181	0.186	-2.8	82	0.00
85	T	Pentachloronitrobenzene	0.193	0.200	-3.6	79	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	74	0.00
99	T	Diphenamid	0.505	0.511	-1.2	72	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : AP91218.D
Acq On : 18 Dec 2024 10:43 pm
Operator : SV106:im
Sample : WG2011026-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2011026,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 18 23:04:02 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:05:36 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.640	152	57665	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	8.045	136	207211	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	9.804	164	120872	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	11.251	188	240818	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.087	105	65433	4.790	ug/ml	89
29) Acetophenone	7.128	105	111942	4.246	ug/ml#	76
30) m-Toluidine	7.222	106	106942	4.601	ug/ml	97
31) 2-Chloroaniline	7.622	127	107384	4.628	ug/ml#	89
56) a-Terpineol	8.116	59	55224	3.778	ug/ml#	63
57) 3-Chloroaniline	8.128	65	30278	4.412	ug/ml	86
58) 2,6-Dichlorophenol	8.157	162	75306	4.846	ug/ml#	81
59) 1-chloro-2-nitrobenzene	8.422	111	33724	4.477	ug/ml#	1
60) Caprolactam	8.463	55	28867	3.799	ug/ml#	49
61) 1,2,4,5-Tetrachloroben...	8.957	216	94837	4.556	ug/ml	97
62) Biphenyl	9.257	154	214715	4.570	ug/ml	99
84) Dichloran	10.939	206	28097	5.135	ug/ml#	67
85) Pentachloronitrobenzene	11.092	237	30219	5.174	ug/ml#	75
99) Diphenamid	12.151	167	153951	5.064	ug/ml#	69

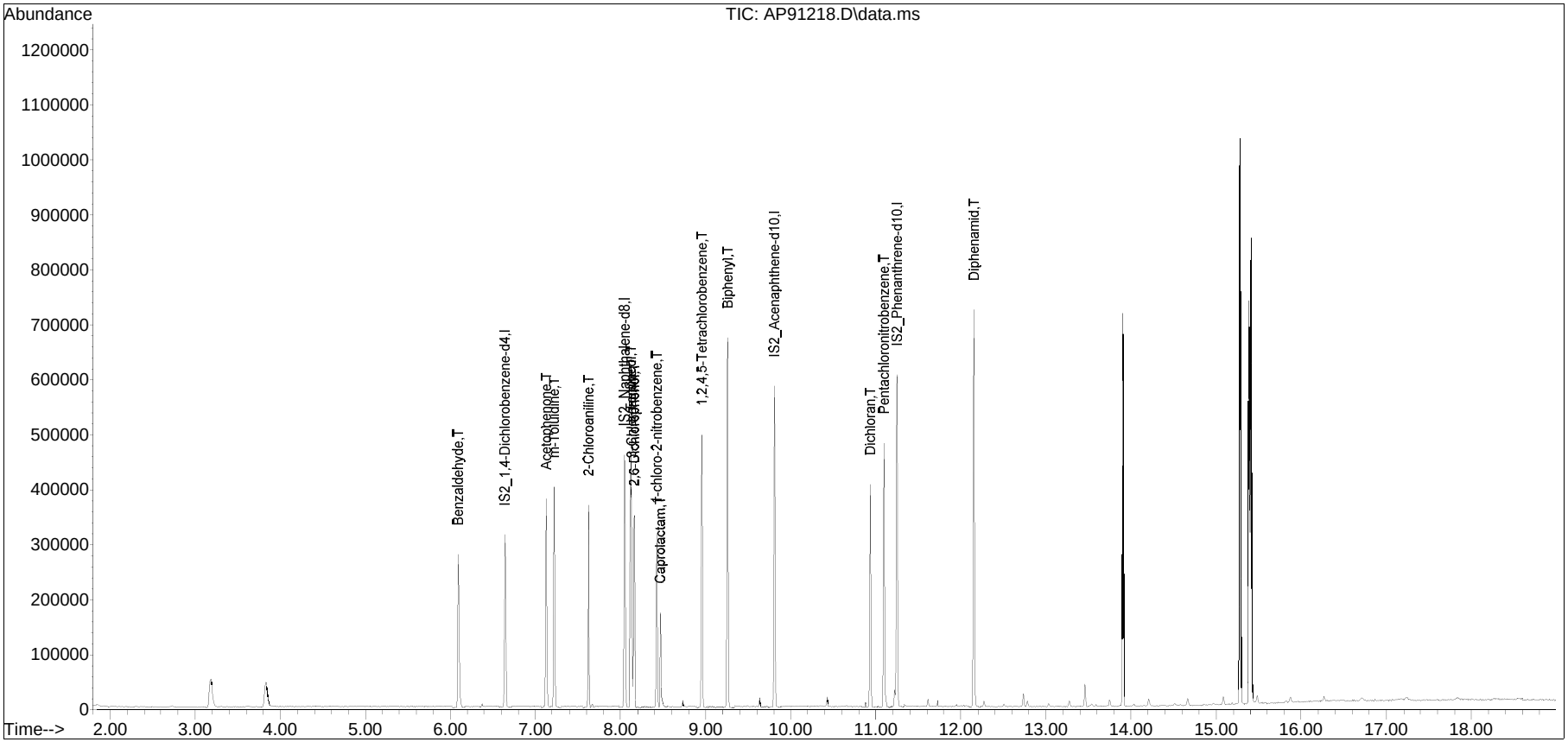
(#) = qualifier out of range (m) = manual integration (+) = signals summed

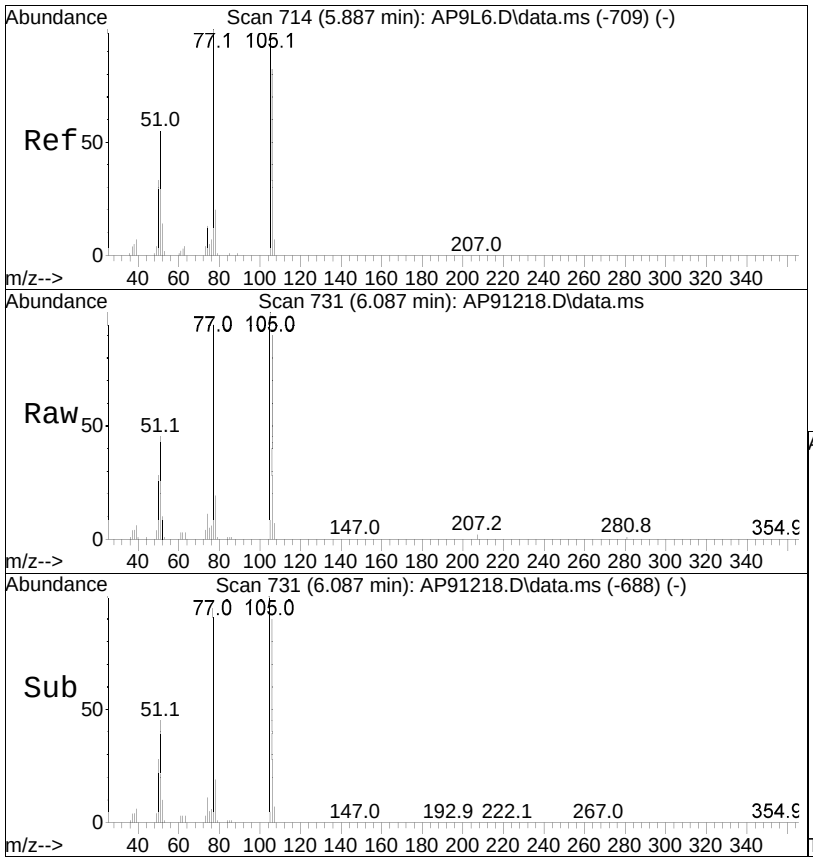
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : AP91218.D
Acq On : 18 Dec 2024 10:43 pm
Operator : SV106:im
Sample : WG2011026-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2011026,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 18 23:04:02 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:05:36 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

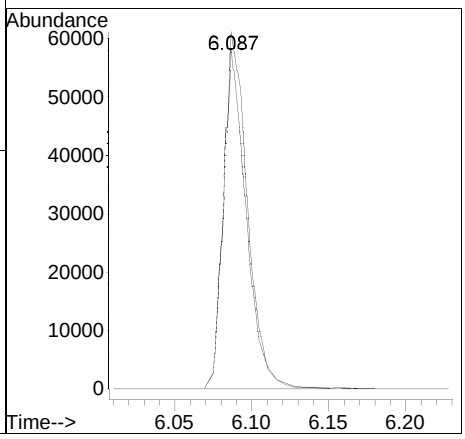


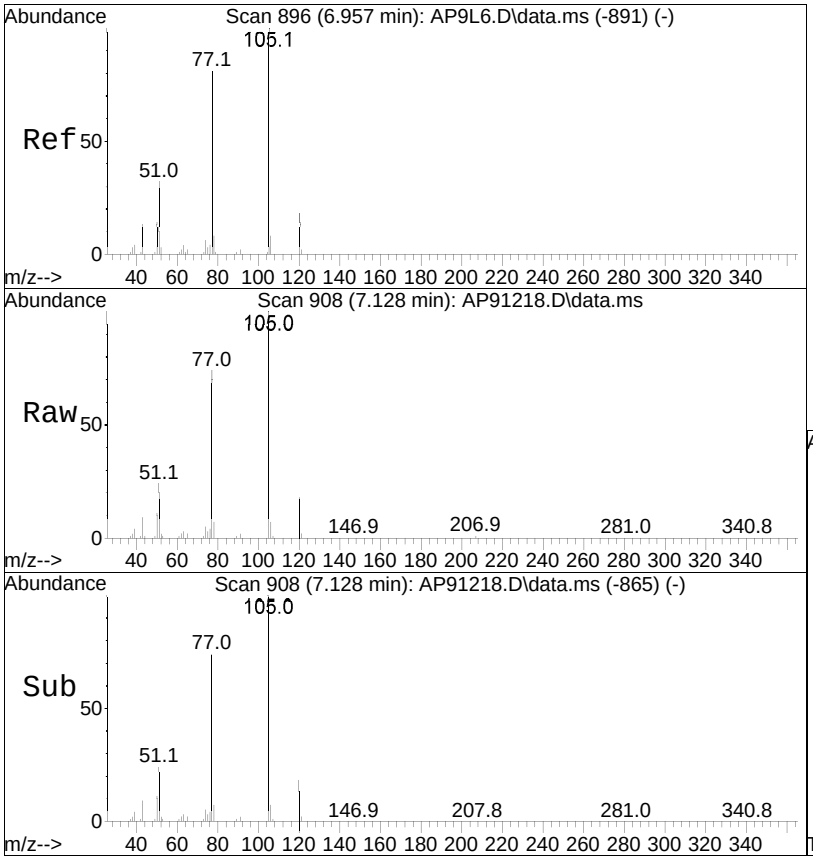


#28
Benzaldehyde
Concen: 4.79 ug/ml
RT: 6.087 min Scan# 731
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:105 Resp: 65433

Ion	Ratio	Lower	Upper
105	100		
77	91.6	82.2	123.4

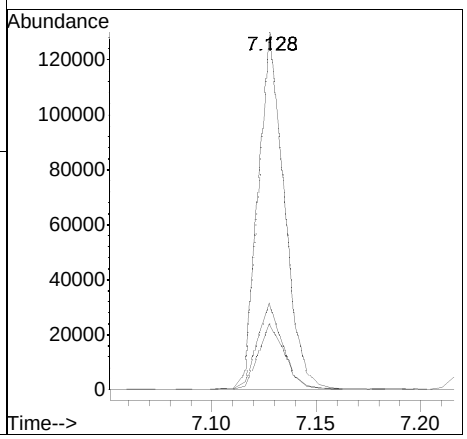


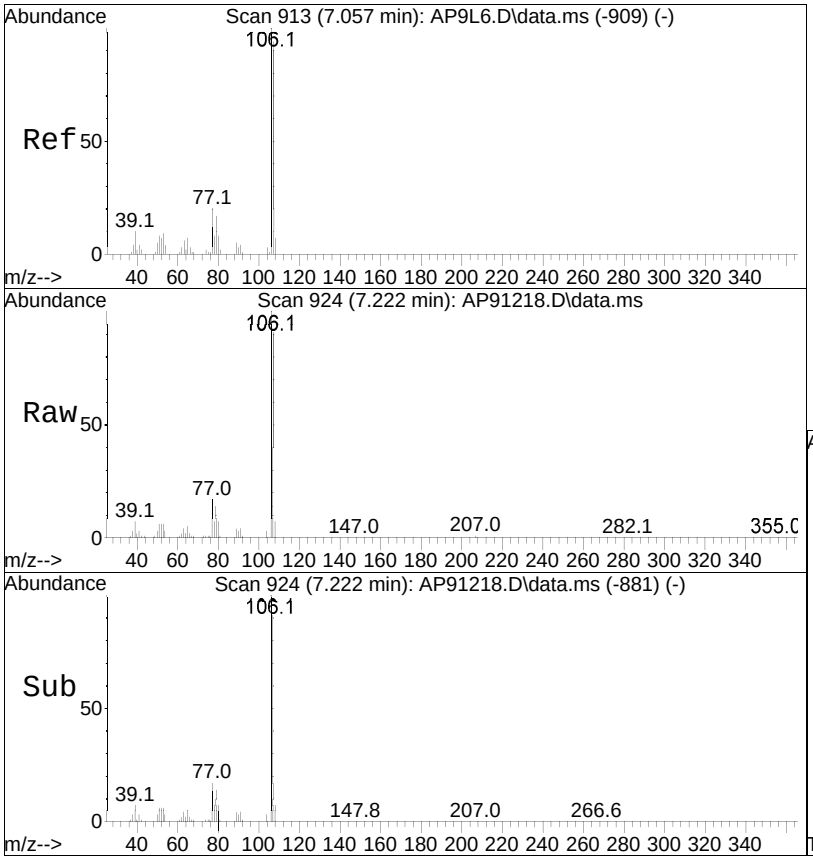


#29
Acetophenone
Concen: 4.25 ug/ml
RT: 7.128 min Scan# 908
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:105 Resp: 111942

Ion	Ratio	Lower	Upper
105	100		
120	18.8	20.5	30.7#
51	23.9	34.9	52.3#

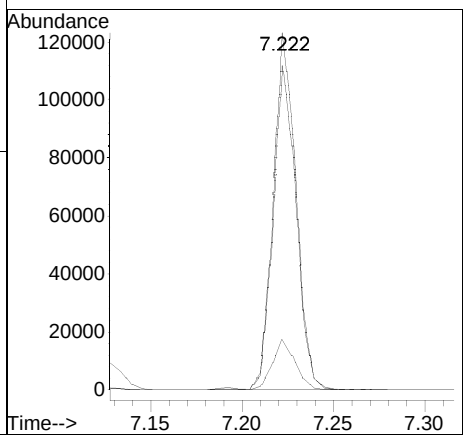


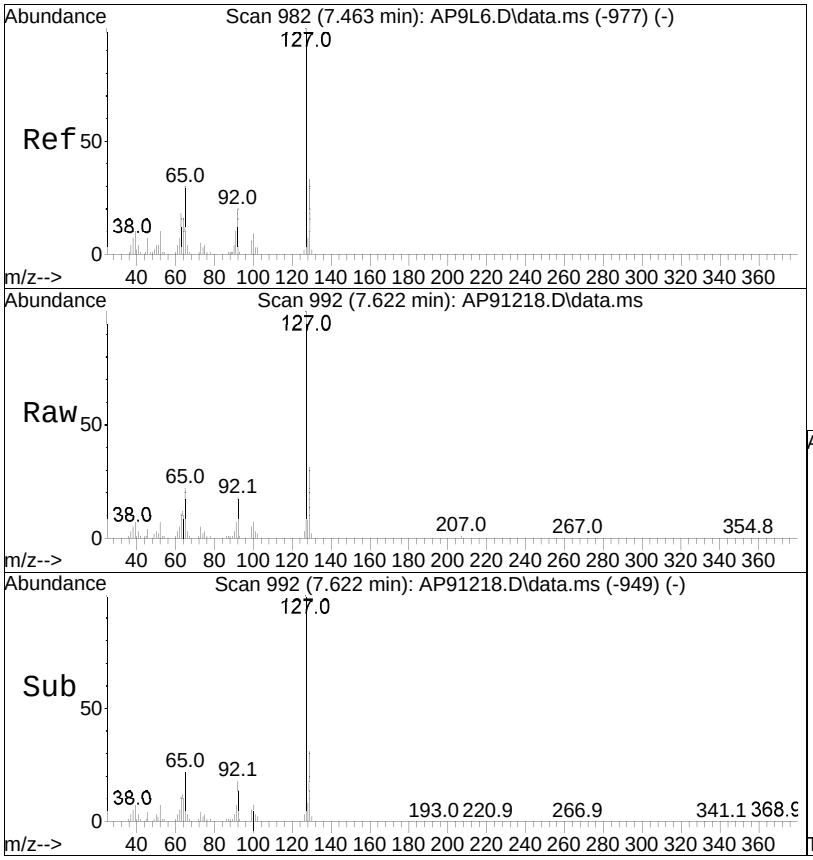


#30
m-Toluidine
Concen: 4.60 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:106 Resp: 106942

Ion	Ratio	Lower	Upper
106	100		
107	91.1	75.7	113.5
79	14.1	11.8	17.8

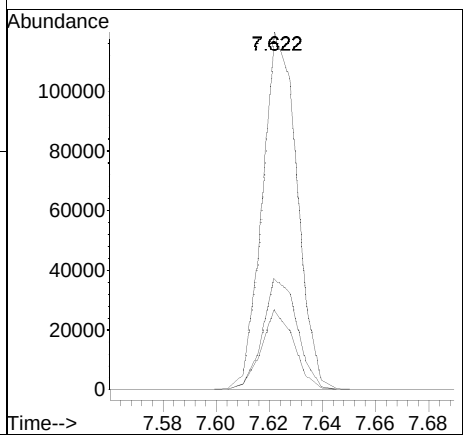


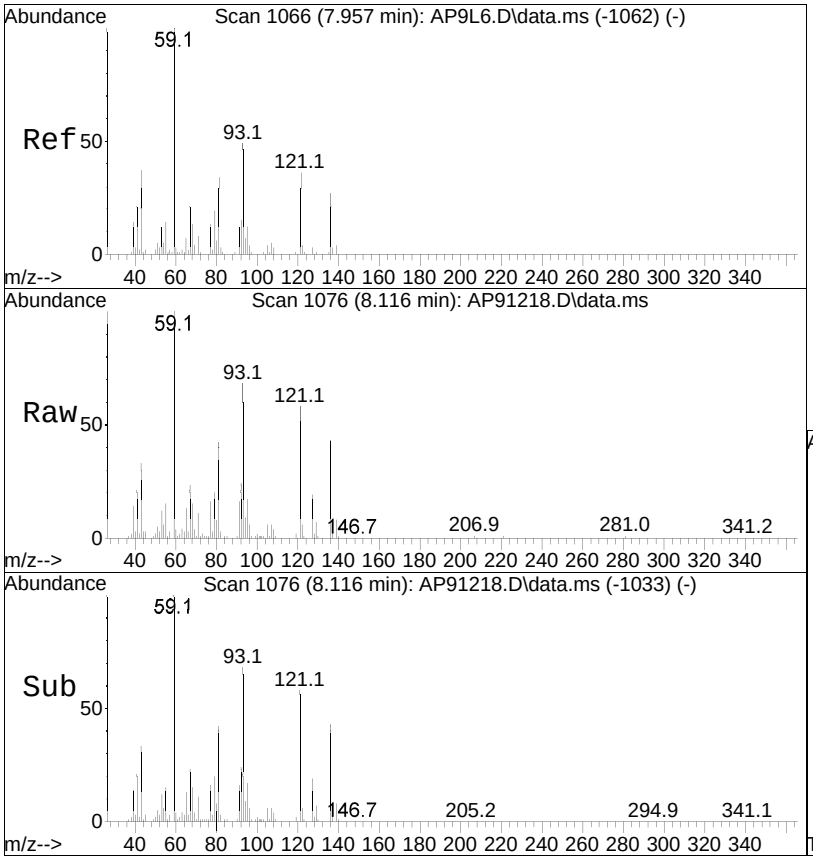


#31
2-Chloroaniline
Concen: 4.63 ug/ml
RT: 7.622 min Scan# 992
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:127 Resp: 107384

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.9	38.9
65	21.2	26.3	39.5#

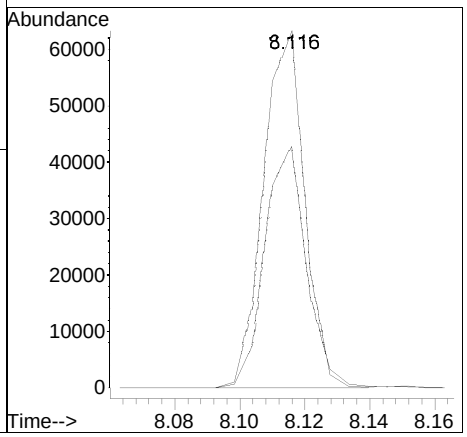


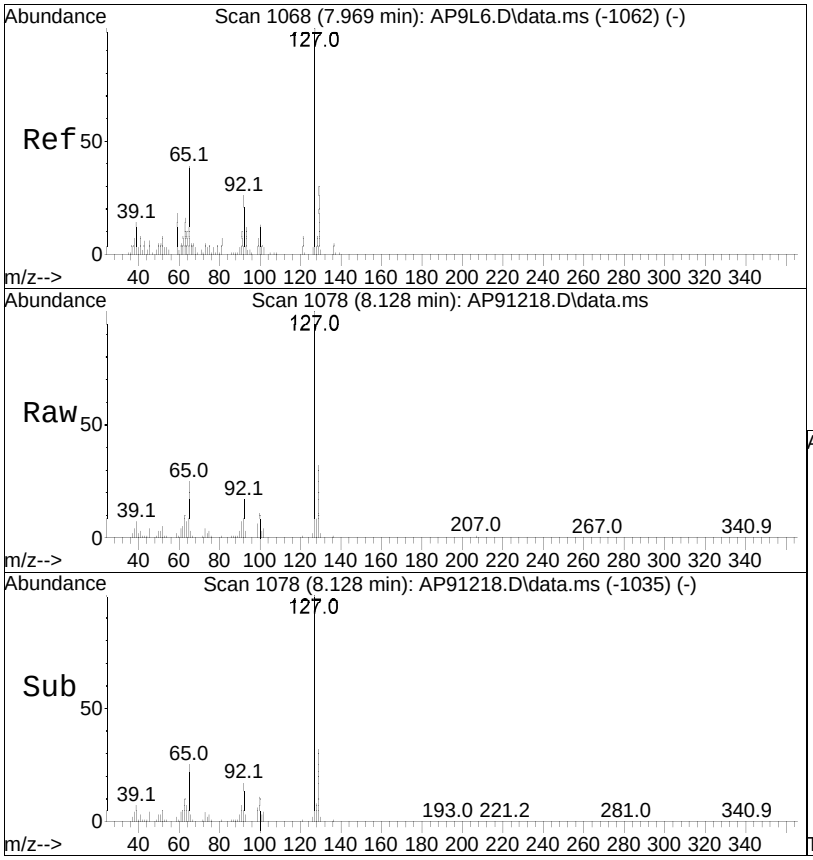


#56
a-Terpineol
Concen: 3.78 ug/ml
RT: 8.116 min Scan# 1076
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion: 59 Resp: 55224

Ion	Ratio	Lower	Upper
59	100		
93	68.9	35.6	53.4#

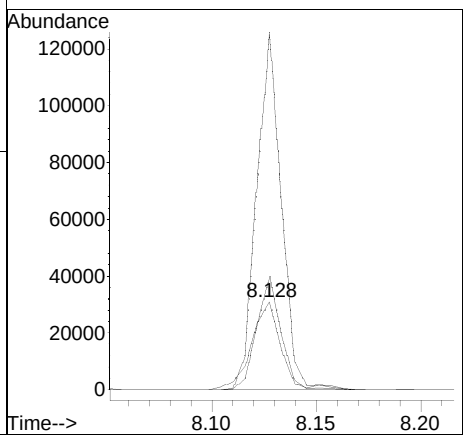


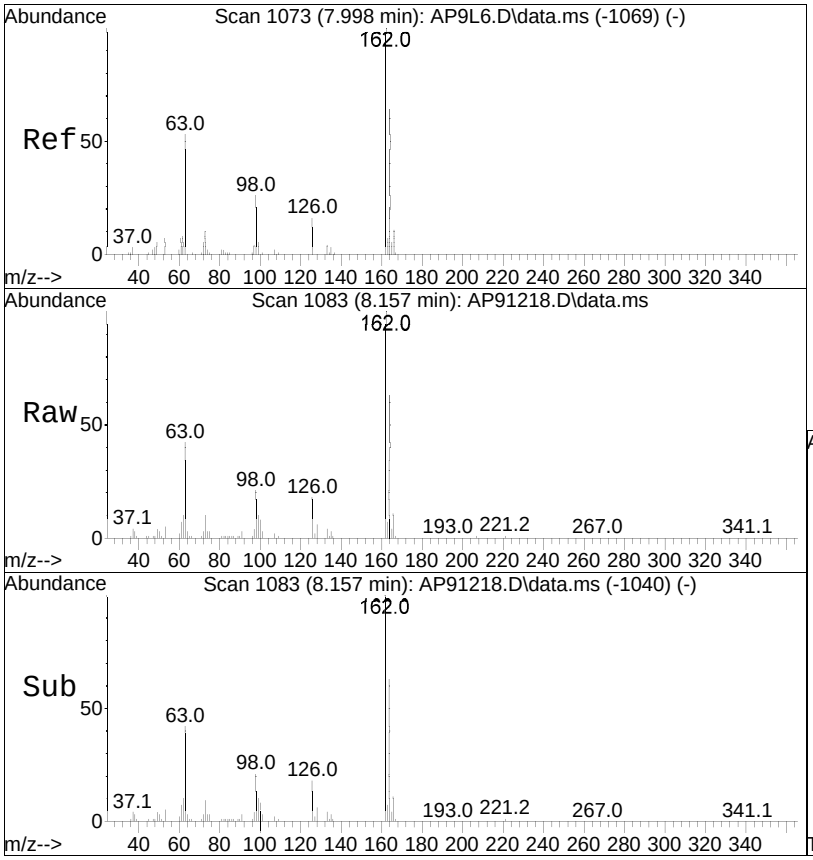


#57
3-Chloroaniline
Concen: 4.41 ug/ml
RT: 8.128 min Scan# 1078
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion: 65 Resp: 30278

Ion	Ratio	Lower	Upper
65	100		
127	336.4	243.2	364.8
129	105.8	78.8	118.2

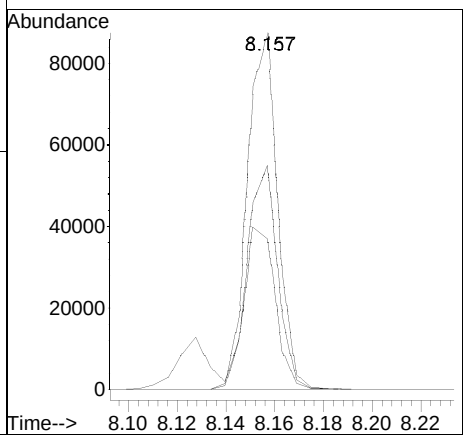


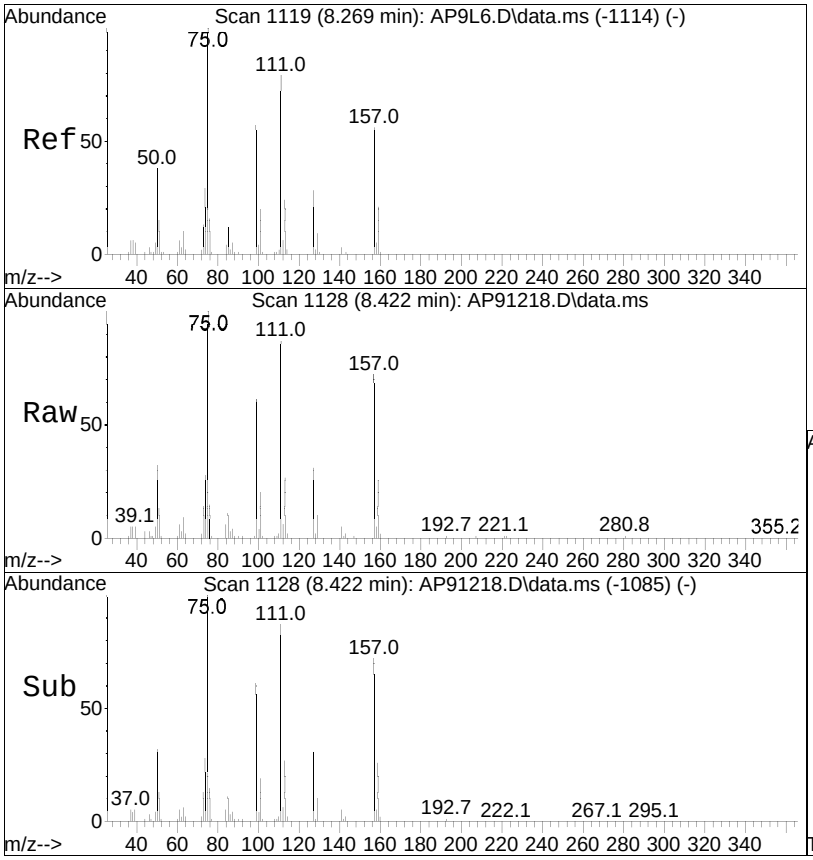


#58
2,6-Dichlorophenol
Concen: 4.85 ug/ml
RT: 8.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:162 Resp: 75306

Ion	Ratio	Lower	Upper
162	100		
164	63.0	51.1	76.7
63	47.2	60.8	91.2#

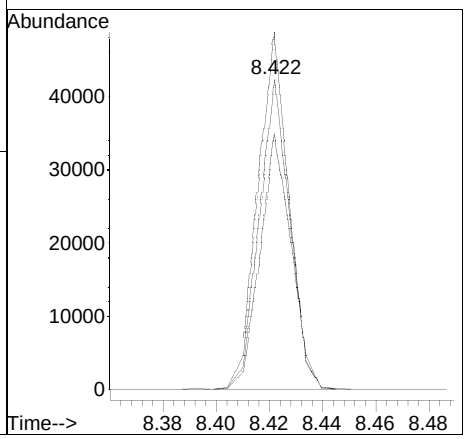


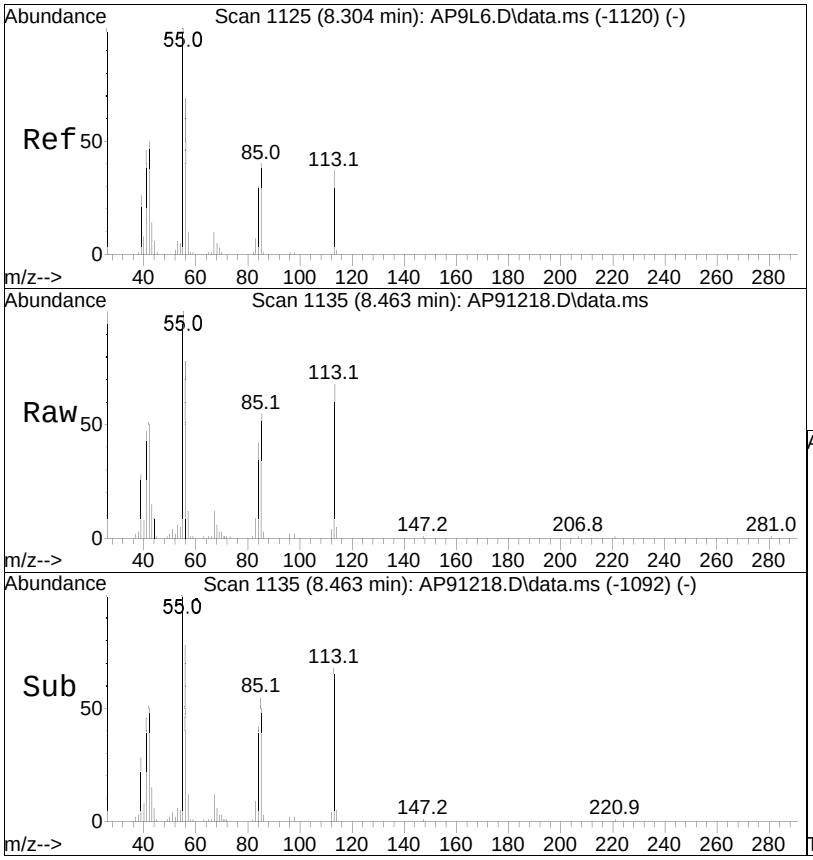


#59
1-chloro-2-nitrobenzene
Concen: 4.48 ug/ml
RT: 8.422 min Scan# 1128
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:111 Resp: 33724

Ion	Ratio	Lower	Upper
111	100		
157	84.0	0.0	0.0#
75	116.2	28.2	42.2#

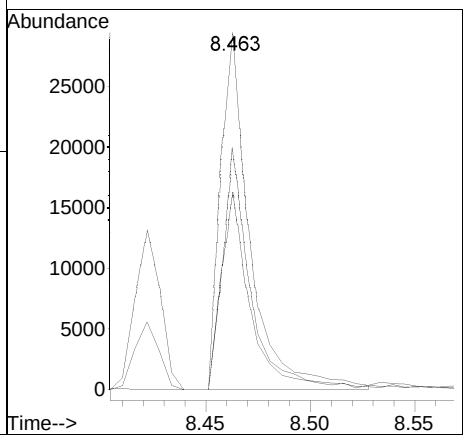


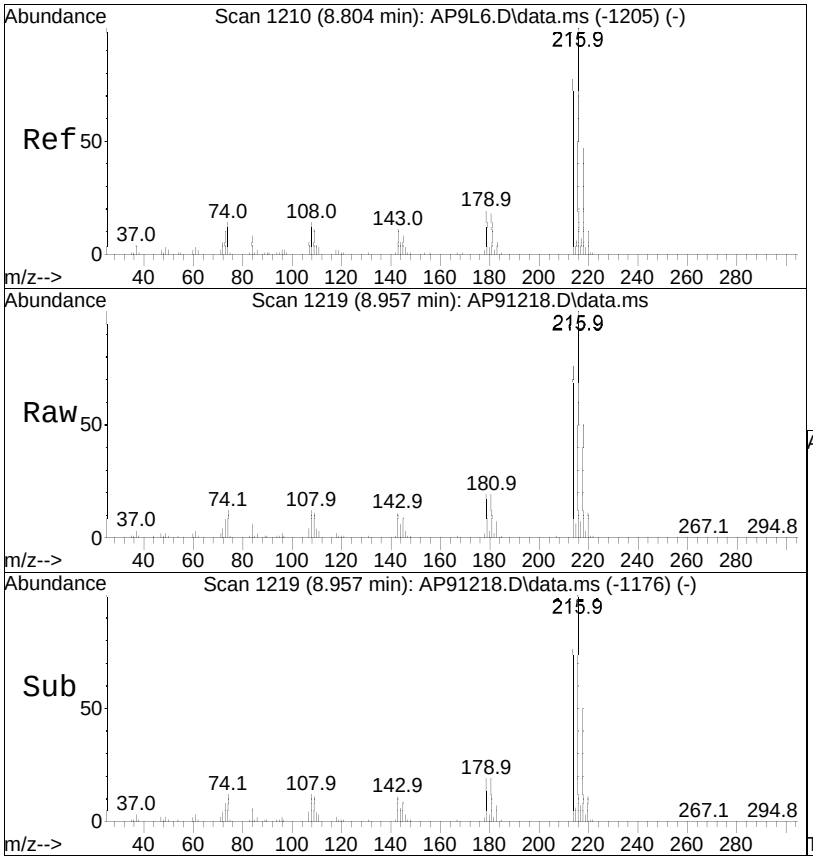


#60
Caprolactam
Concen: 3.80 ug/ml
RT: 8.463 min Scan# 1135
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion: 55 Resp: 28867

Ion	Ratio	Lower	Upper
55	100		
85	54.6	19.8	29.6#
113	64.3	29.6	44.4#

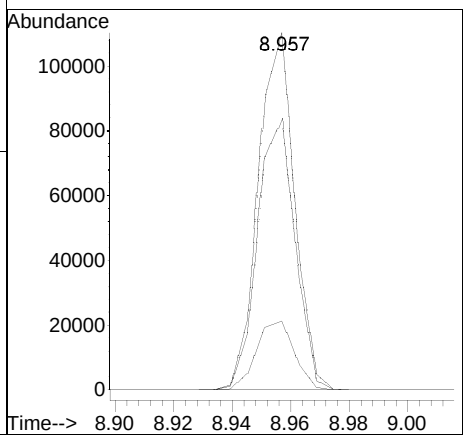


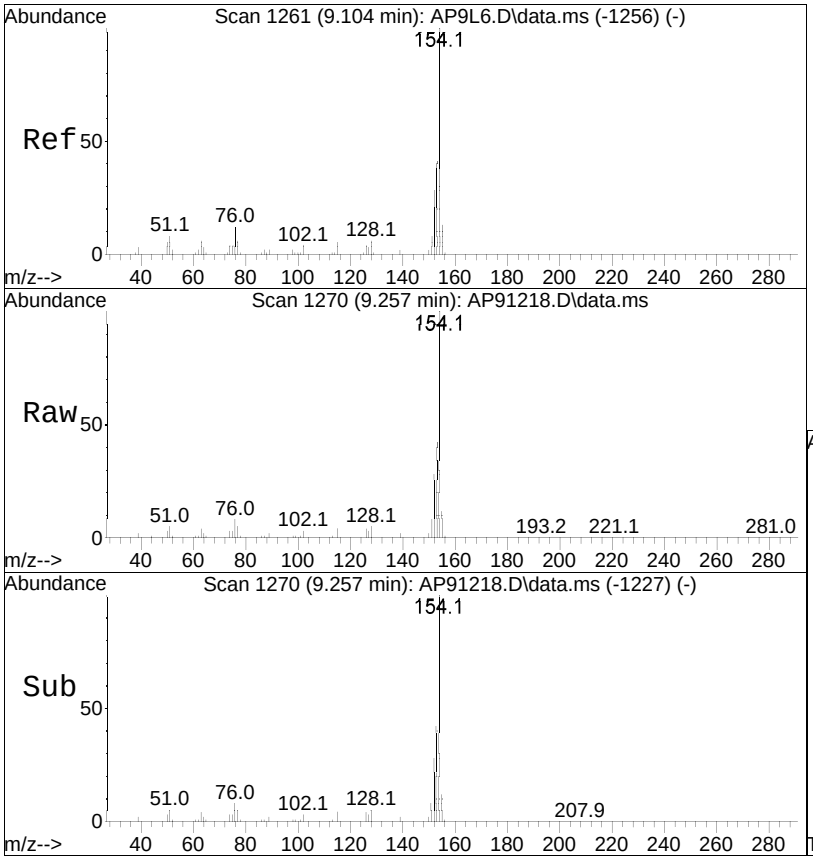


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.56 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:216 Resp: 94837

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.7	95.5
179	20.4	19.0	28.6

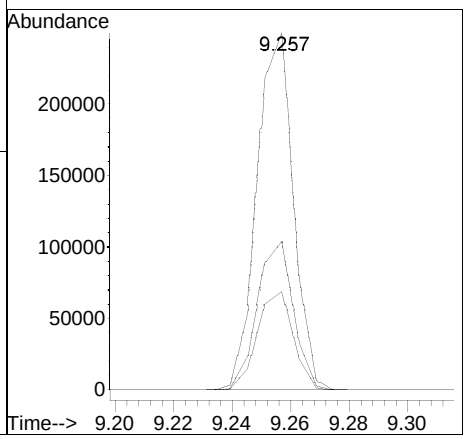


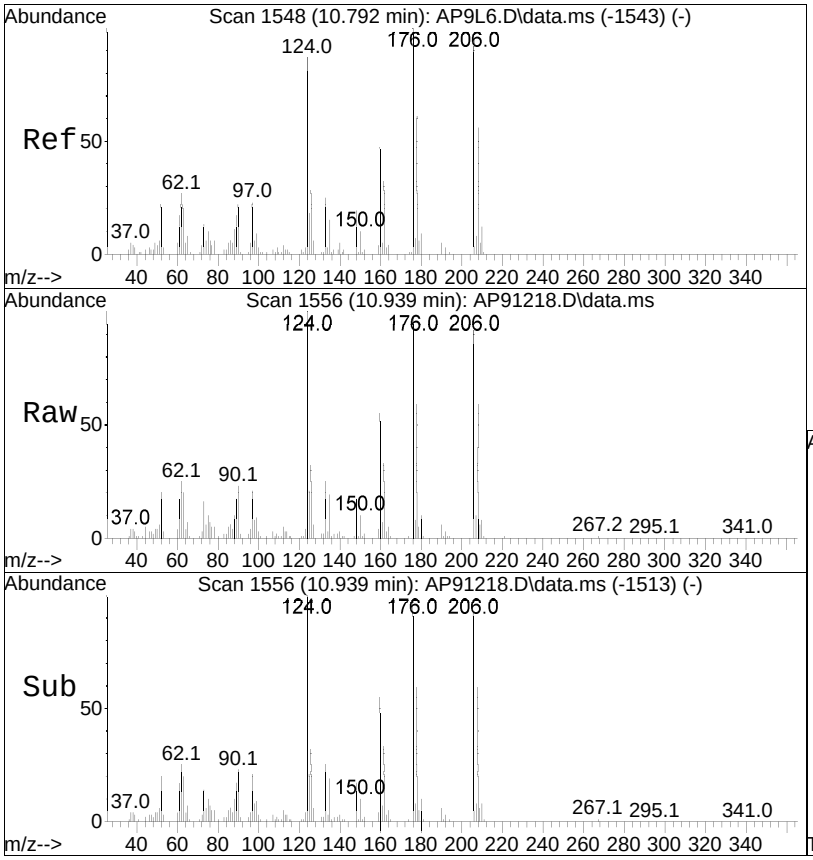


#62
Biphenyl
Concen: 4.57 ug/ml
RT: 9.257 min Scan# 1270
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:154 Resp: 214715

Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.3	48.5
152	27.6	22.5	33.7

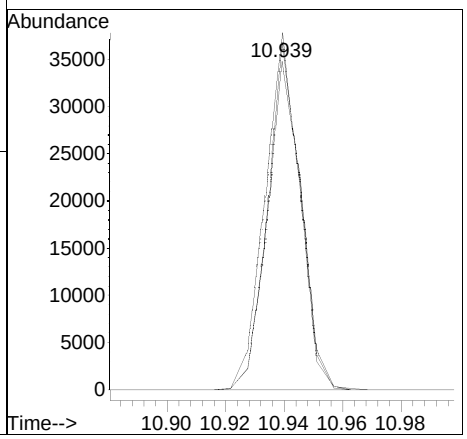


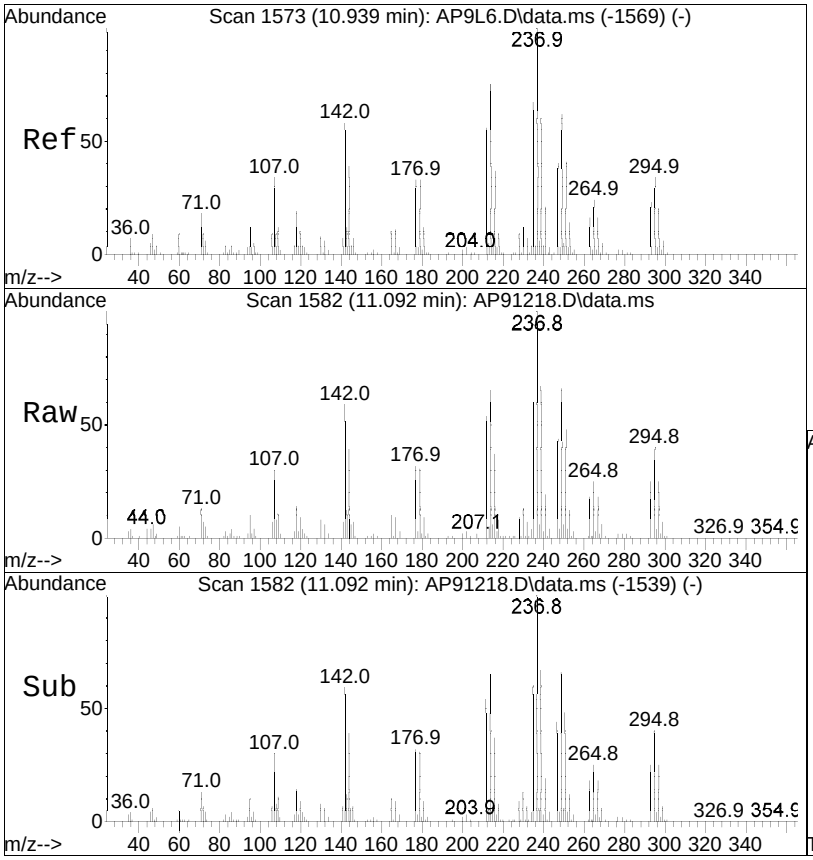


#84
Dichloran
Concen: 5.13 ug/ml
RT: 10.939 min Scan# 1556
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:206 Resp: 28097

Ion	Ratio	Lower	Upper
206	100		
176	101.5	104.6	157.0#
124	109.4	130.5	195.7#

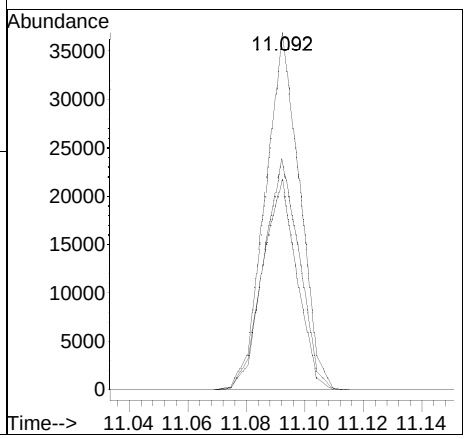


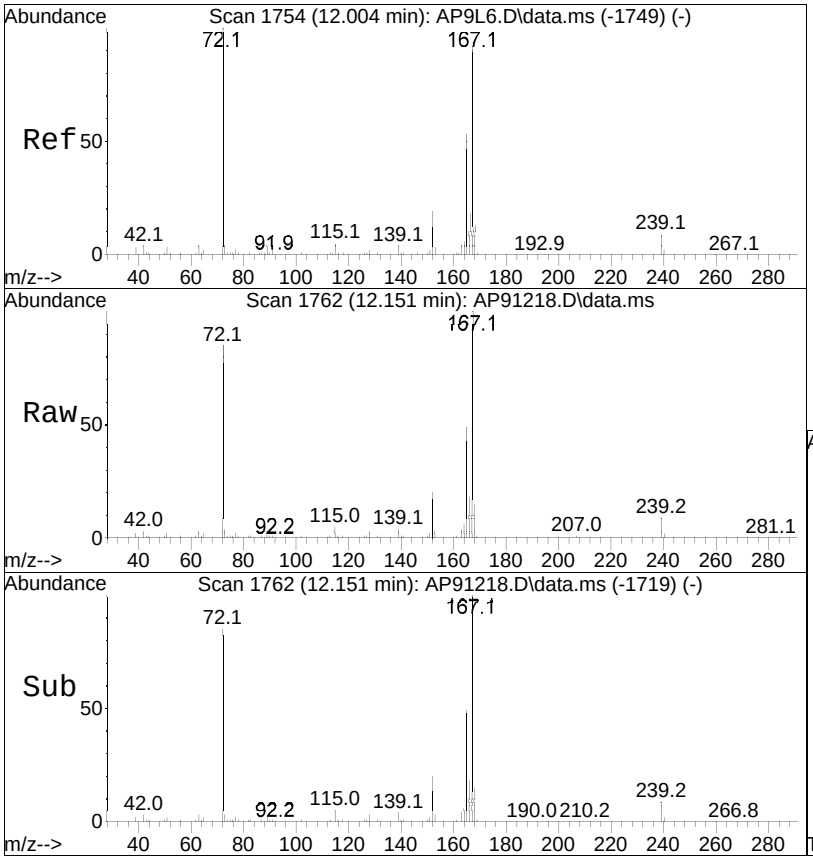


#85
Pentachloronitrobenzene
Concen: 5.17 ug/ml
RT: 11.092 min Scan# 1582
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:237 Resp: 30219

Ion	Ratio	Lower	Upper
237	100		
142	59.2	77.0	115.4#
214	66.5	58.2	87.4

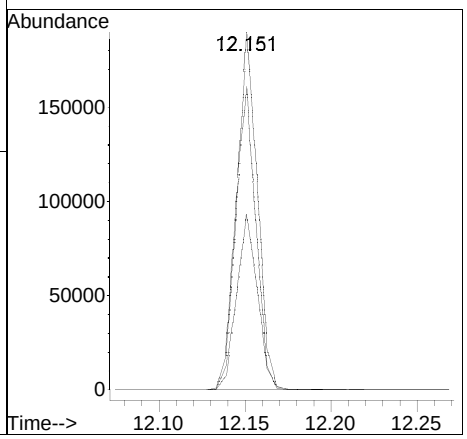




#99
Diphenamid
Concen: 5.06 ug/ml
RT: 12.151 min Scan# 1762
Delta R.T. 0.000 min
Lab File: AP91218.D
Acq: 18 Dec 2024 10:43 pm

Tgt Ion:167 Resp: 153951

Ion	Ratio	Lower	Upper
167	100		
72	86.2	109.7	164.5#
165	50.3	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\241218RVT\	QMethod	: FS241009SV106.m
Data File	: AP91218.D	Operator	: SV106:im
Date Inj'd	: 12/18/2024 10:43 pm	Instrument	: SV 106
Sample	: WG2011026-4,32,,AP9 RVT CC	Quant Date	: 12/18/2024 11:05 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241218RVT\
Data File : ADP1218.D
Acq On : 18 Dec 2024 11:07 pm
Operator : SV106:im
Sample : WG2011026-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2011026,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 18 23:36:40 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	60	0.00
33	t	1,4-Dioxane		0.485	0.426	12.2	64	0.00
34	T	n-Decane		1.486	1.087	26.9#	51	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	64	0.00
87	T	Atrazine		0.415	0.367	11.6	60	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	67	0.00
101	T	n-Octadecane		0.485	0.318	34.4#	44#	0.00
102	T	Parathion	*	5.000	4.497	10.1	69	0.00
103	T	3,3'-Dimethylbenzidine		0.821	0.740	9.9	66	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : ADP1218.D
Acq On : 18 Dec 2024 11:07 pm
Operator : SV106:im
Sample : WG2011026-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2011026,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 18 23:36:40 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:16 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.640	152	50150	4.000	ug/ml	0.00
86)	IS3_Acenaphthene-d10	9.804	164	113815	4.000	ug/ml	0.00
100)	IS3_Phenanthrene-d10	11.245	188	236979	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	2.087	88	26686	4.384	ug/ml#	89
34)	n-Decane	6.528	57	68135	3.657	ug/ml#	47
87)	Atrazine	11.010	200	52243	4.424	ug/ml	93
101)	n-Octadecane	11.210	57	94339	3.280	ug/ml#	1
102)	Parathion	12.027	109	31518	4.497	ug/ml#	94
103)	3,3'-Dimethylbenzidine	13.327	212	219234	4.509	ug/ml	99

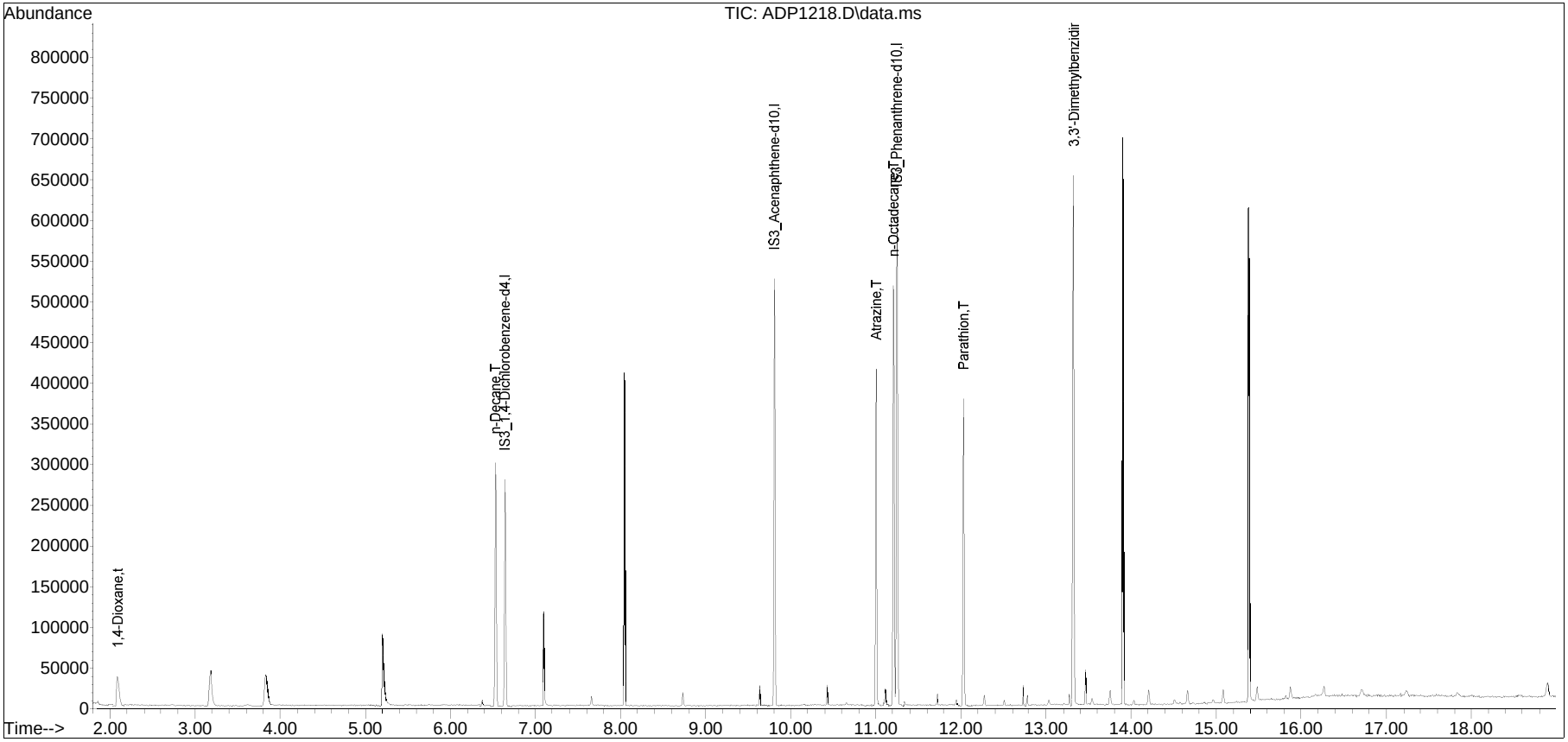
(#) = qualifier out of range (m) = manual integration (+) = signals summed

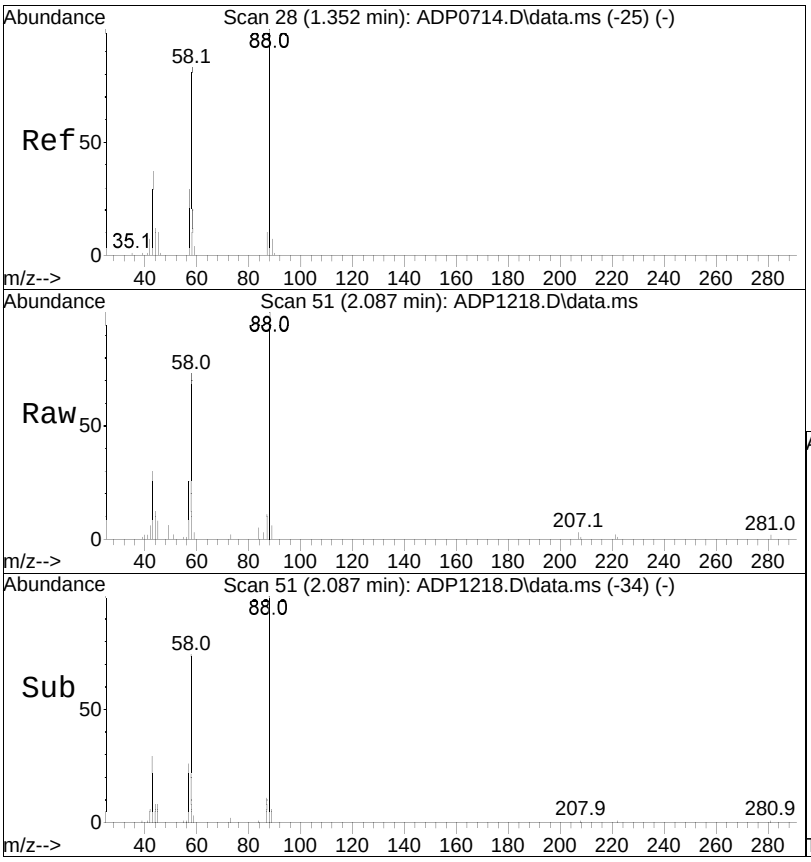
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : ADP1218.D
Acq On : 18 Dec 2024 11:07 pm
Operator : SV106:im
Sample : WG2011026-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2011026,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 18 23:36:40 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:16 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

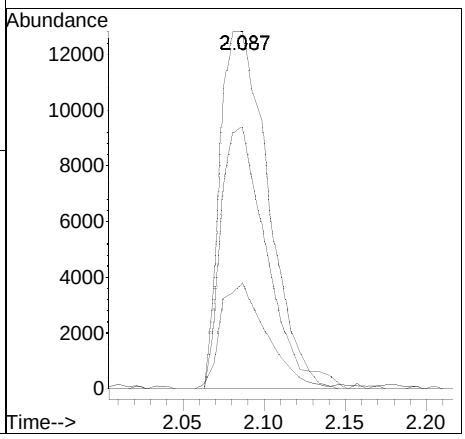


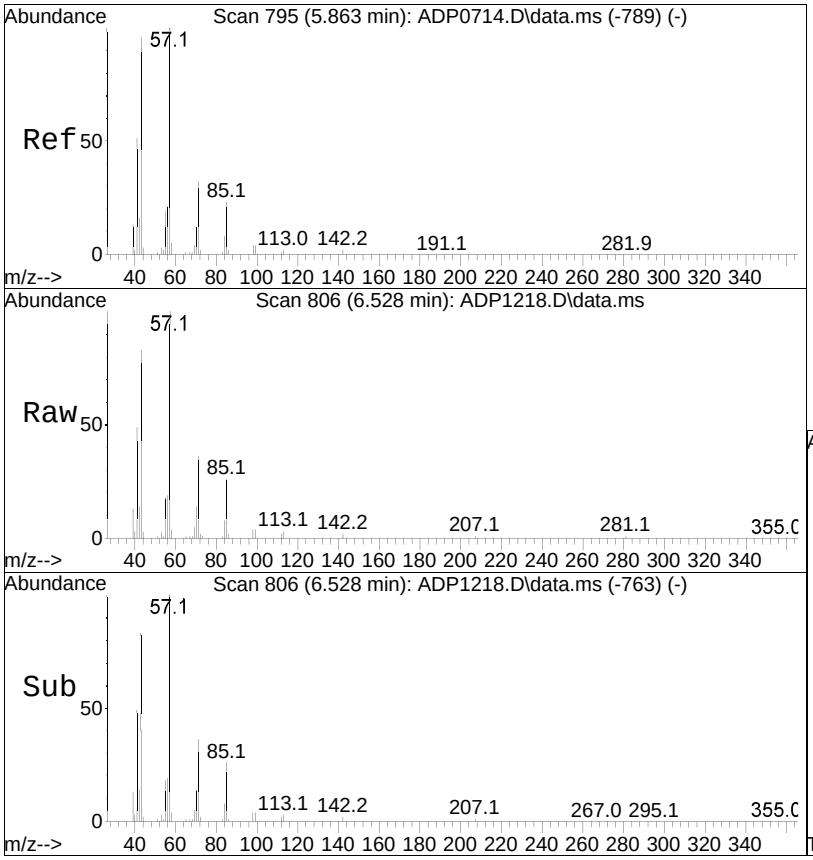


#33
1,4-Dioxane
Concen: 4.38 ug/ml
RT: 2.087 min Scan# 51
Delta R.T. 0.000 min
Lab File: ADP1218.D
Acq: 18 Dec 2024 11:07 pm

Tgt Ion: 88 Resp: 26686

Ion	Ratio	Lower	Upper
88	100		
58	67.6	44.8	67.2#
43	28.1	22.4	33.6

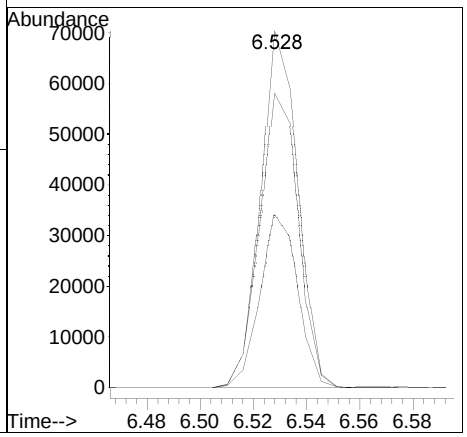


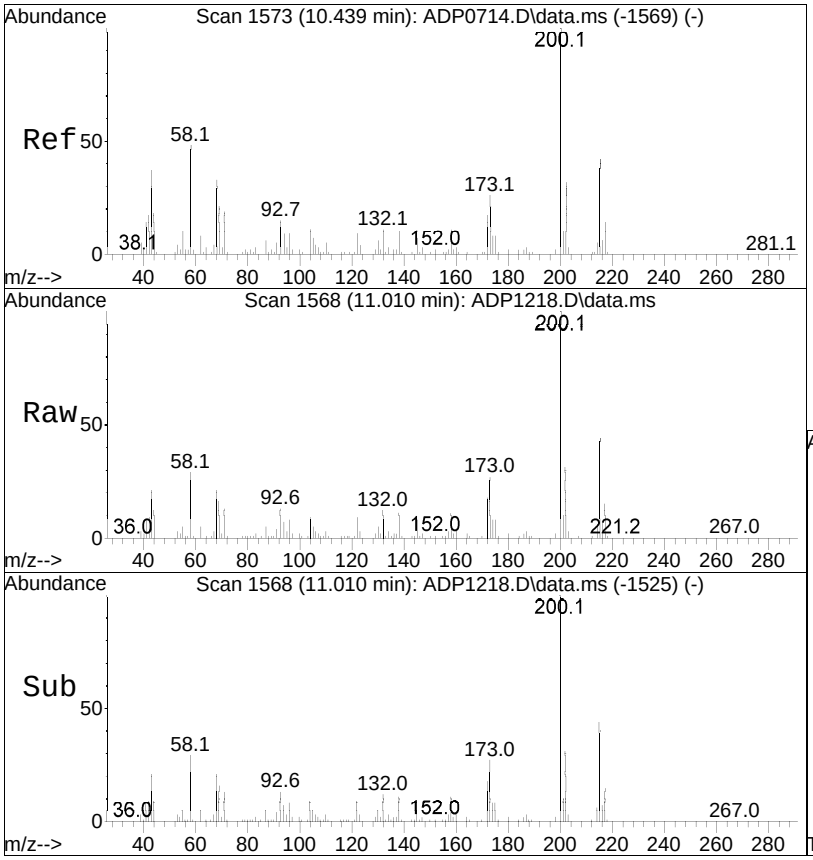


#34
n-Decane
Concen: 3.66 ug/ml
RT: 6.528 min Scan# 806
Delta R.T. 0.000 min
Lab File: ADP1218.D
Acq: 18 Dec 2024 11:07 pm

Tgt Ion: 57 Resp: 68135

Ion	Ratio	Lower	Upper
57	100		
43	86.1	0.2	0.2#
41	49.5	0.2	0.2#

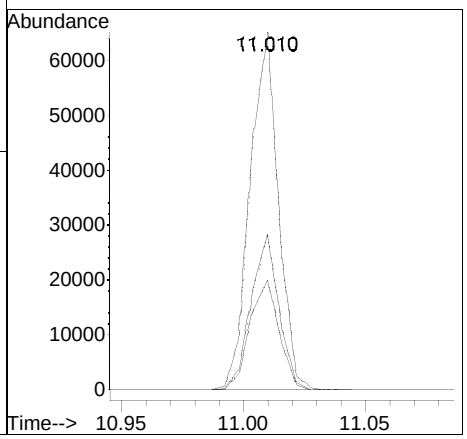


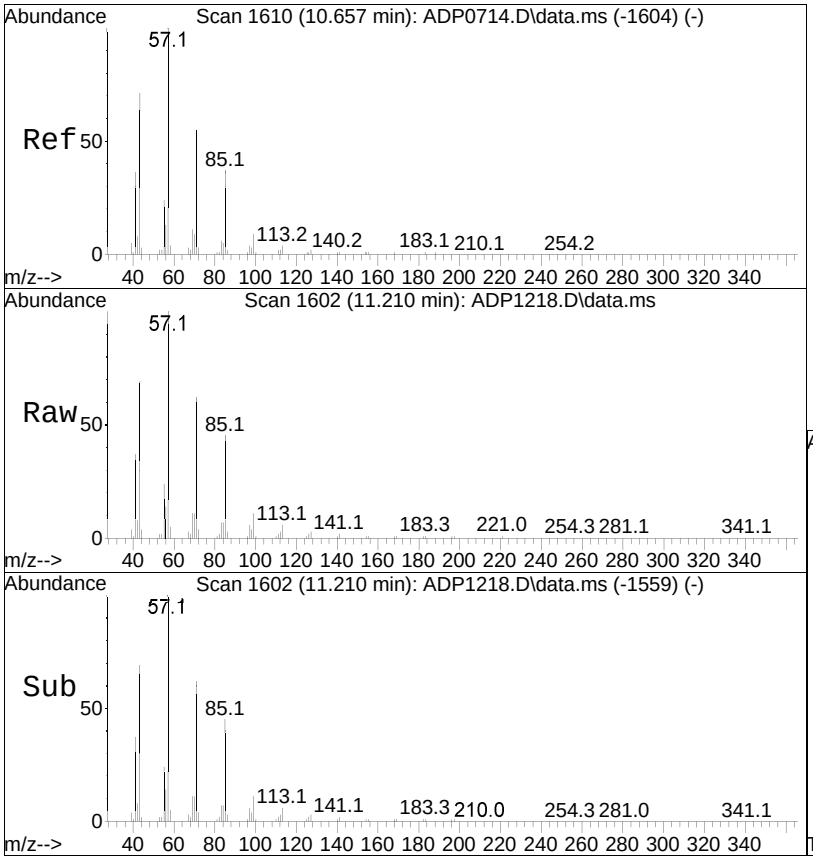


#87
Atrazine
Concen: 4.42 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. 0.000 min
Lab File: ADP1218.D
Acq: 18 Dec 2024 11:07 pm

Tgt Ion:200 Resp: 52243

Ion	Ratio	Lower	Upper
200	100		
202	31.7	25.8	38.6
215	42.6	40.2	60.4

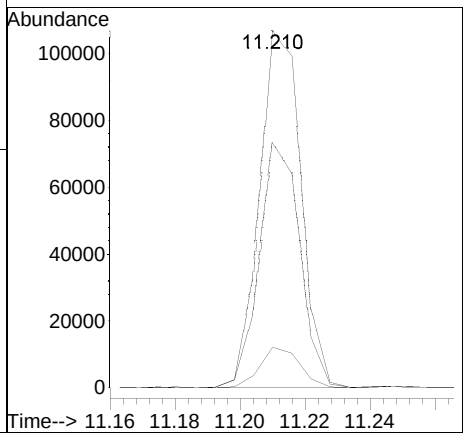


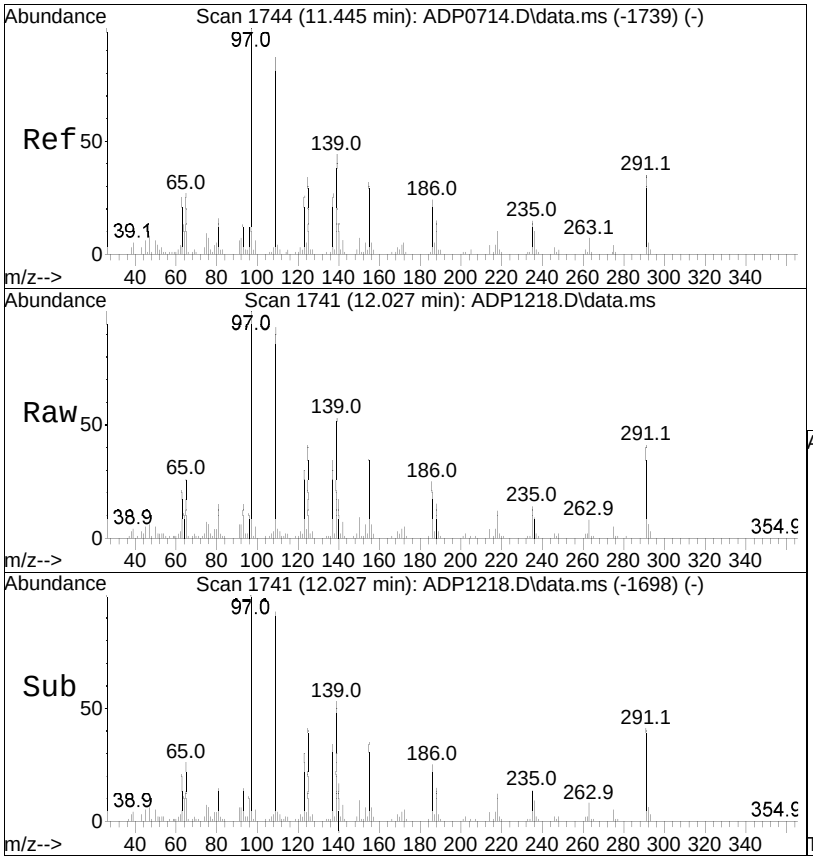


#101
n-Octadecane
Concen: 3.28 ug/ml
RT: 11.210 min Scan# 1602
Delta R.T. 0.000 min
Lab File: ADP1218.D
Acq: 18 Dec 2024 11:07 pm

Tgt Ion: 57 Resp: 94339

Ion	Ratio	Lower	Upper
57	100		
43	67.2	9.0	13.6#
70	10.9	0.2	0.2#

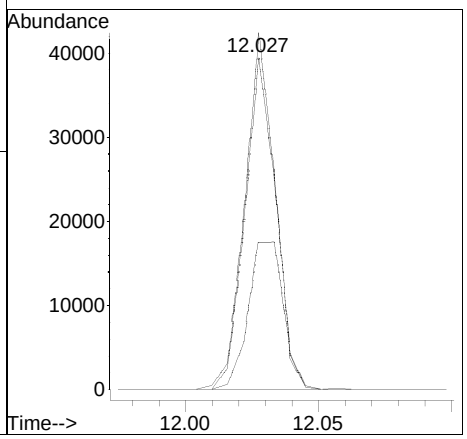


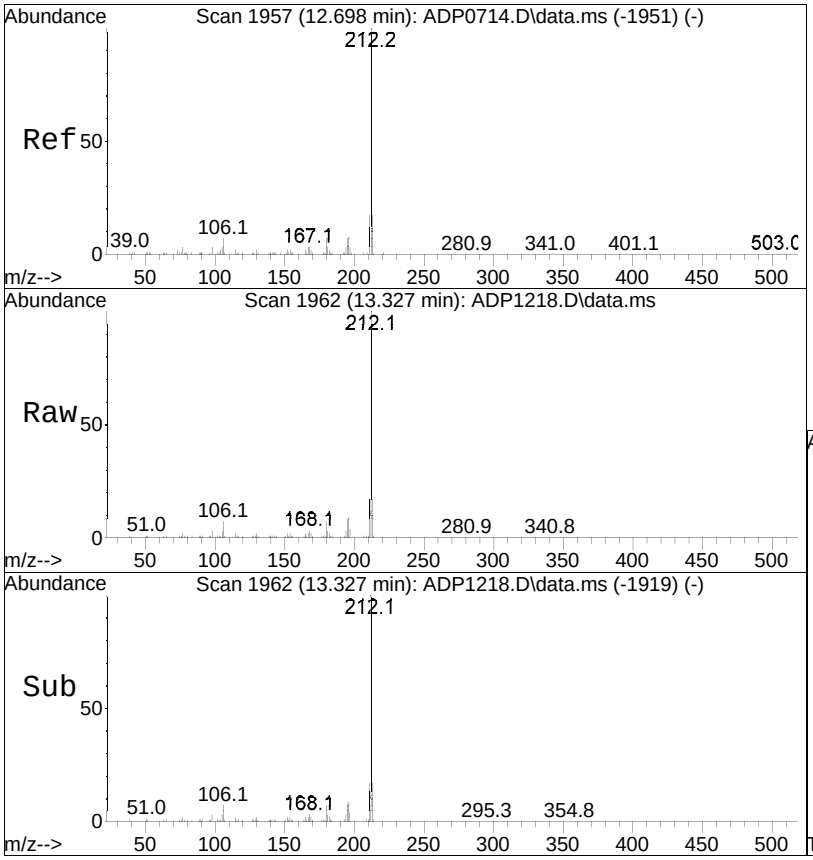


#102
Parathion
Concen: 4.50 ug/ml
RT: 12.027 min Scan# 1741
Delta R.T. 0.000 min
Lab File: ADP1218.D
Acq: 18 Dec 2024 11:07 pm

Tgt Ion:109 Resp: 31518

Ion	Ratio	Lower	Upper
109	100		
97	105.8	87.4	131.2
291	51.5	34.2	51.2#

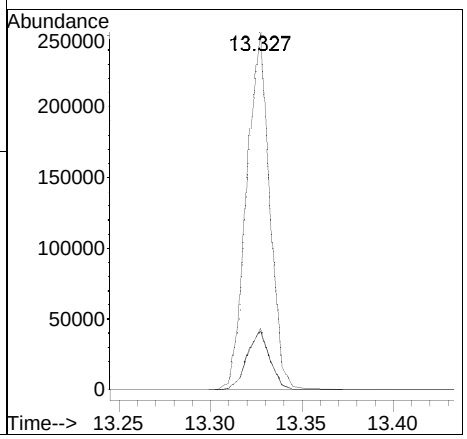




#103
3,3'-Dimethylbenzidine
Concen: 4.51 ug/ml
RT: 13.327 min Scan# 1962
Delta R.T. 0.000 min
Lab File: ADP1218.D
Acq: 18 Dec 2024 11:07 pm

Tgt Ion:212 Resp: 219234

Ion	Ratio	Lower	Upper
212	100		
211	16.6	12.9	19.3
213	16.6	13.2	19.8



Manual Integration Report

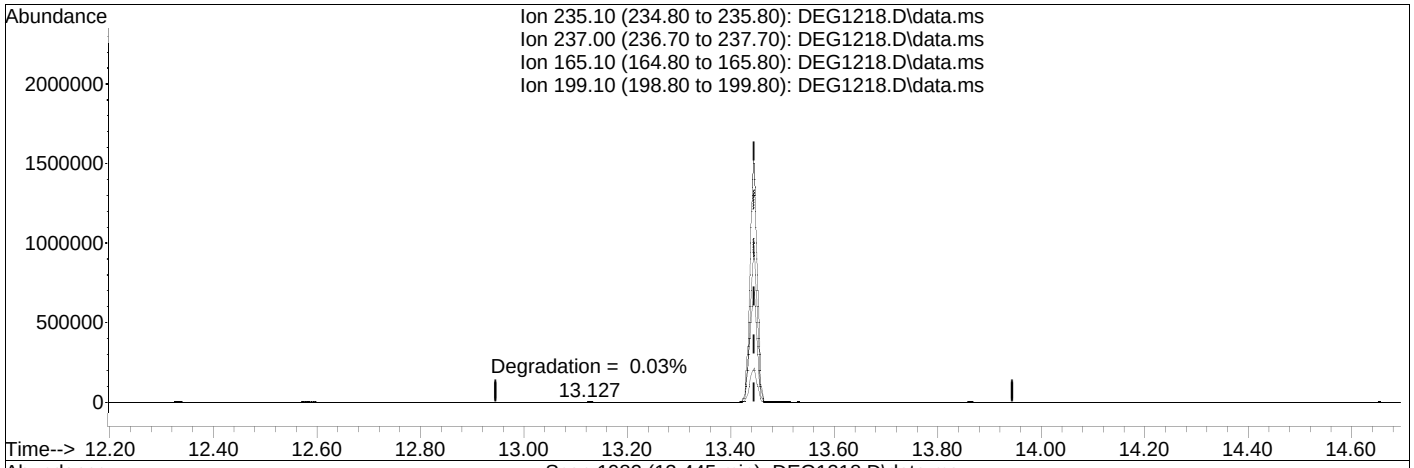
Data Path	: I:\8270\SV106\241218RVT\	QMethod	: FS241009SV106.m
Data File	: ADP1218.D	Operator	: SV106:im
Date Inj'd	: 12/18/2024 11:07 pm	Instrument	: SV 106
Sample	: WG2011026-5,32,,ADP RVT CC	Quant Date	: 12/18/2024 11:38 pm

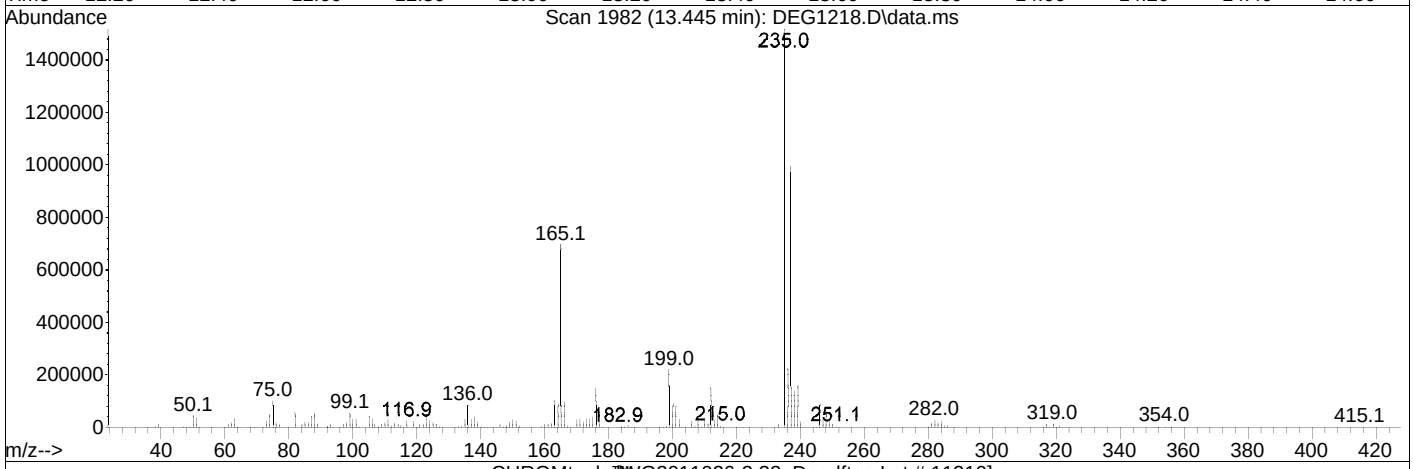
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241218RVT\
Data File : DEG1218.D
Acq On : 18 Dec 2024 9:55 pm
Operator : SV106:im
Sample : WG2011026-2,32,,Degdftpp Lot # 11210
Misc : WG2011026,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 18 22:15:55 2024
Quant Method : I:\8270\SV106\241218RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 22:17:44 2024
Response via : Initial Calibration





CHROMtools [WG2011026-2,32,,Degdftpp Lot # 11210]

(6) DDT (T)

13.445min (-0.000) 227.59

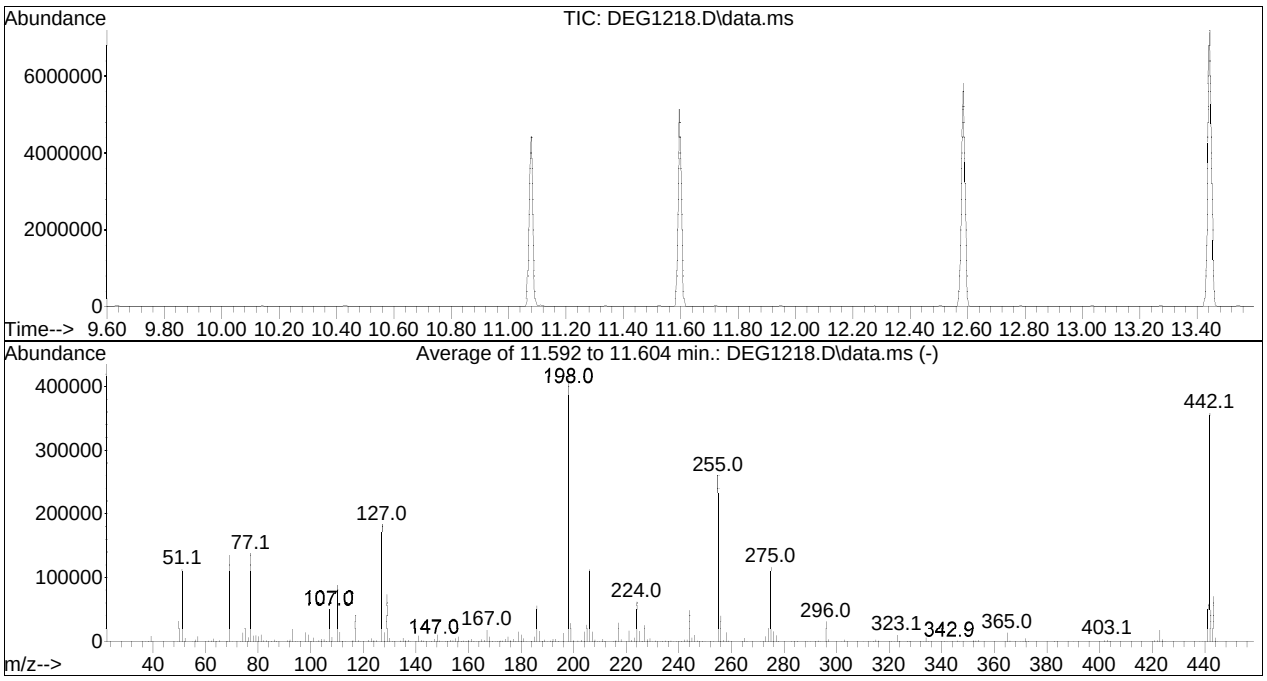
response 1387307

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.45
165.10	44.50	45.98
199.10	14.80	14.41

Data Path : I:\8270\SV106\241218RVT\
Data File : DEG1218.D
Acq On : 18 Dec 2024 9:55 pm
Operator : SV106: ASK
Sample : WG2011026-1,32,,Degdftpp Lot # 11210
Misc : WG2011026,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Dec 18 23:05:34 2024



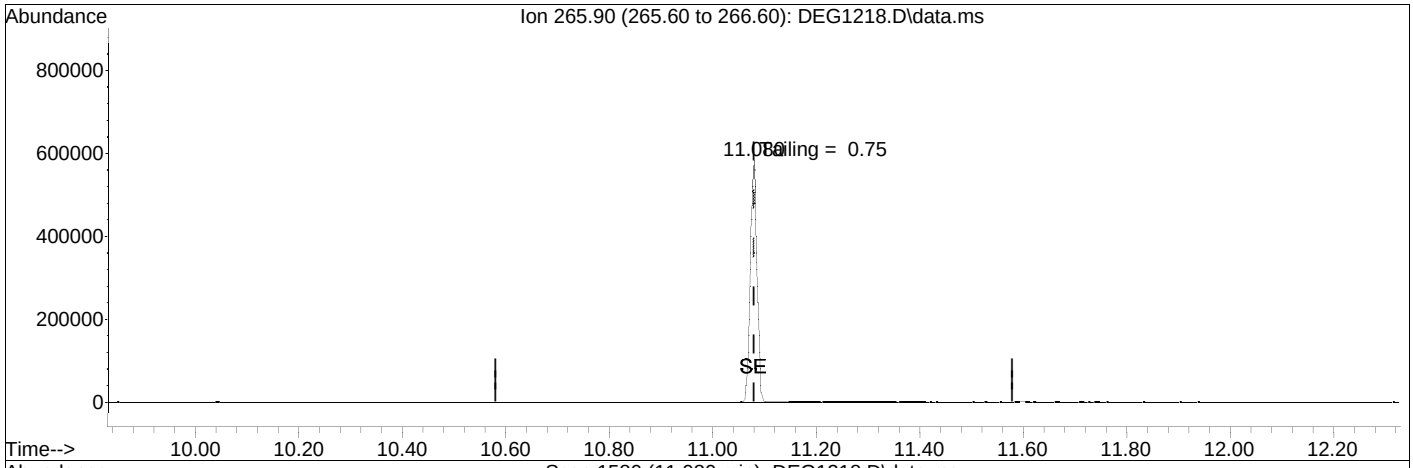
Spectrum Information: Average of 11.592 to 11.604 min.

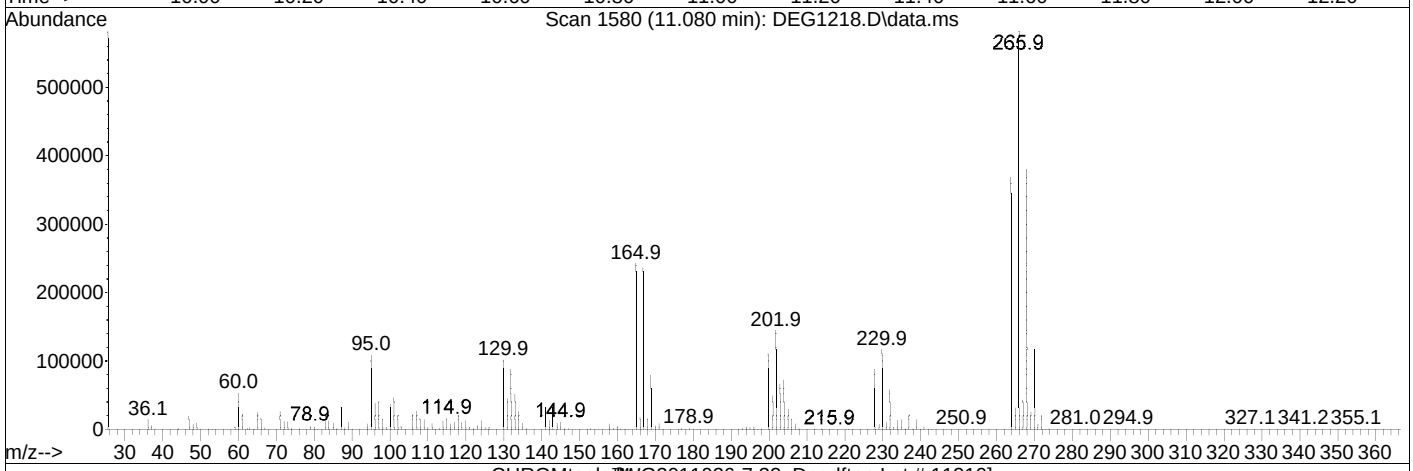
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.4	113344	PASS
68	69	0.00	2	1.1	1550	PASS
69	69	100	100	100.0	134853	PASS
70	69	0.00	2	0.5	607	PASS
127	198	10	80	44.3	183376	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	413888	PASS
199	198	5	9	6.8	28286	PASS
275	198	10	60	28.1	116104	PASS
365	198	1	100	3.3	13663	PASS
441	442	0.01	24	16.5	59013	PASS
442	198	50	100	86.6	358421	PASS
443	442	15	24	19.6	70115	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241218RVT\
Data File : DEG1218.D
Acq On : 18 Dec 2024 9:55 pm
Operator : SV106:im
Sample : WG2011026-7,32,,Degdftpp Lot # 11210
Misc : WG2011026,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 18 22:15:55 2024
Quant Method : I:\8270\SV106\241218RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 22:17:44 2024
Response via : Initial Calibration





CHROMtools [WG2011026-7,32,,Degdftpp Lot # 11210]

(1) Pentachlorophenol (T)

11.080min (+ 0.000) 236.67

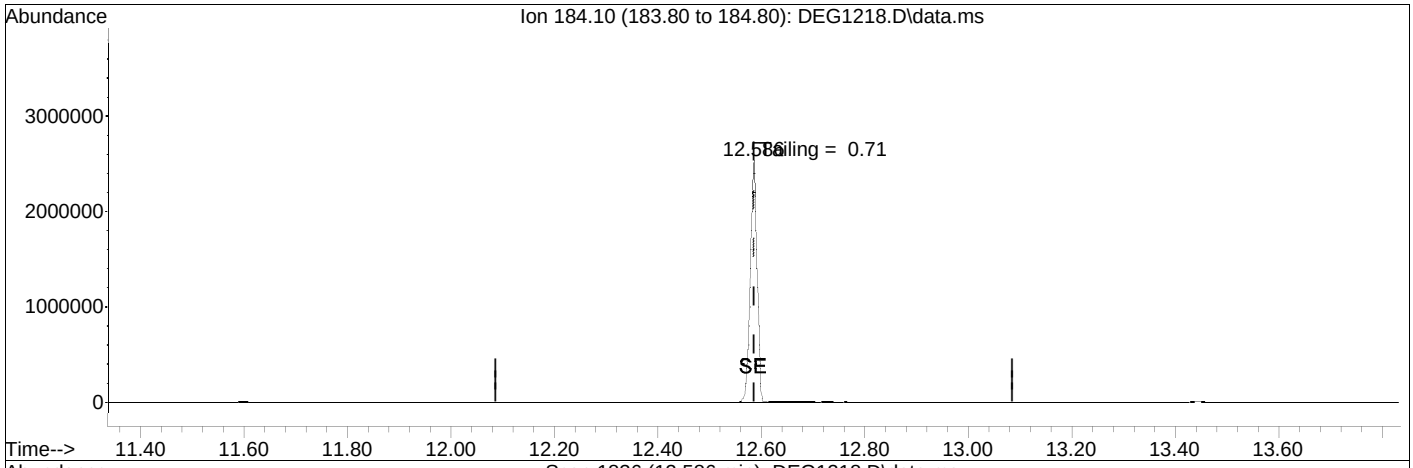
response 497091

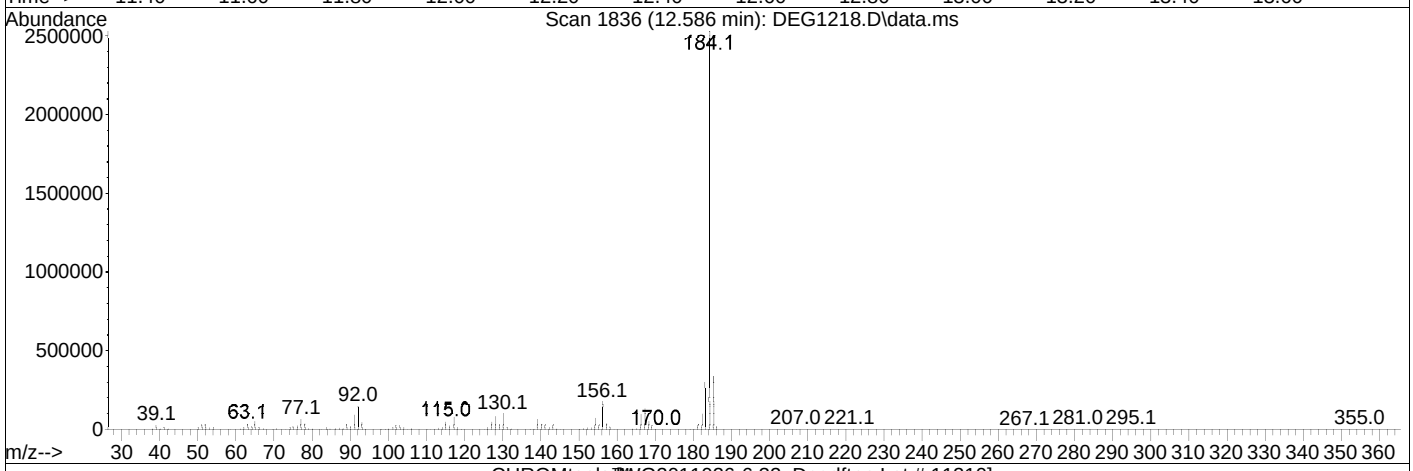
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241218RVT\
Data File : DEG1218.D
Acq On : 18 Dec 2024 9:55 pm
Operator : SV106:im
Sample : WG2011026-6,32,,Degdftpp Lot # 11210
Misc : WG2011026,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 18 22:15:55 2024
Quant Method : I:\8270\SV106\241218RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 22:17:44 2024
Response via : Initial Calibration





CHROMtools [WG2011026-6,32,,Degdftpp Lot # 11210]

(3) Benzidine (T)

12.586min (+ 0.000) 215.51

response 2193950

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.681	-	-8.1	20	101	0
Pyridine	0.954	1.1	-	-15.3	20	100	0
2-Fluorophenol	1.028	1.042	-	-1.4	20	95	0
Aniline	1.567	1.601	-	-2.2	20	96	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	94	0
Phenol-d6	1.317	1.324	-	-0.5	20	95	0
Phenol	1.421	1.432	-	-0.8	20	95	0
Bis(2-chloroethyl)ether	1.017	1.039	-	-2.2	20	98	0
1,3-Dichlorobenzene	1.577	1.535	-	2.7	20	94	0
1,4-Dichlorobenzene	1.61	1.535	-	4.7	20	92	0
1,2-Dichlorobenzene	1.534	1.525	-	0.6	20	96	0
Benzyl alcohol	0.93	1.003	-	-7.8	20	101	0
Bis(2-chloroisopropyl)ethe	1.794	1.982	-	-10.5	20	107	0
2-Methylphenol	1.079	1.082	-	-0.3	20	98	0
Hexachloroethane	0.589	0.585	-	0.7	20	99	0
n-Nitrosodi-n-propylamine	0.863	0.913	-	-5.8	20	103	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	99	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	102	0
Nitrobenzene	1.222	1.323	-	-8.3	20	101	0
Isophorone	2.247	2.387	-	-6.2	20	101	0
2-Nitrophenol	0.619	0.671	-	-8.4	20	103	0
2,4-Dimethylphenol	1.101	1.101	-	0	20	95	0
Bis(2-chloroethoxy)methane	1.4	1.469	-	-4.9	20	100	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	97	0
1,2,4-Trichlorobenzene	1.555	1.47	-	5.5	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.1	1.012	-	8	20	98	0
Benzoic Acid	0.228	0.215	-	5.7	20	103	0
4-Chloroaniline	0.121	0.118	-	2.5	20	99	0
Hexachlorobutadiene	0.258	0.233	-	9.7	20	92	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.713	-	6.3	20	101	0
1-Methylnaphthalene	0.242	0.232	-	4.1	20	99	0
Hexachlorocyclopentadiene	0.272	0.269	-	1.1	20	99	0
2,4,6-Trichlorophenol	0.287	0.279	-	2.8	20	99	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	104	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	98	0
2-Chloronaphthalene	0.852	0.785	-	7.9	20	97	0
2-Nitroaniline	0.218	0.219	-	-0.5	20	100	0
1,4-Dinitrobenzene	0.095	0.098	-	-3.2	20	102	0
1,3-Dinitrobenzene	0.113	0.111	-	1.8	20	96	0
Dimethyl phthalate	0.991	0.959	-	3.2	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.227	-	2	20	102	0
2,6-Dinitrotoluene	0.185	0.183	-	1.1	20	97	0
1,2-Dinitrobenzene	0.066	0.069	-	-4.5	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	103	0
3-Nitroaniline	0.309	0.317	-	-2.6	20	105	0
Acenaphthene	1.163	1.052	-	9.5	20	102	0
2,4-Dinitrophenol	0.188	0.174	-	7.4	20	104	0
Dibenzofuran	2.006	1.773	-	11.6	20	100	0
2,4-Dinitrotoluene	0.387	0.394	-	-1.8	20	101	0
4-Nitrophenol	0.23	0.255	-	-10.9	20	113	0
2,3,5,6-Tetrachlorophenol	0.436	0.429	-	1.6	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	104	0
Diethyl phthalate	1.575	1.487	-	5.6	20	107	0
Fluorene	1.536	1.417	-	7.7	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.689	-	13	20	98	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	102	0
4,6-Dinitro-o-cresol	0.234	0.253	-	-8.1	20	108	0
NDPA/DPA	1.337	1.189	-	11.1	20	100	0
Azobenzene	1.281	1.289	-	-0.6	20	109	0
2,4,6-Tribromophenol	0.286	0.304	-	-6.3	20	115	0
4-Bromophenyl phenyl ether	0.522	0.451	-	13.6	20	98	0
Hexachlorobenzene	0.656	0.605	-	7.8	20	106	0
Pentachlorophenol	0.356	0.379	-	-6.5	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	104	0
Phenanthrene	1.183	1.068	-	9.7	20	102	0
Anthracene	1.16	1.067	-	8	20	103	0
Carbazole	1.064	1.013	-	4.8	20	103	0
Di-n-butylphthalate	1.207	1.196	-	0.9	20	105	0
Fluoranthene	1.422	1.278	-	10.1	20	101	0
Benzidine	0.772	0.732	-	5.2	20	95	0
Pyrene	1.52	1.409	-	7.3	20	103	0
4-Terphenyl-d14	1.157	1.013	-	12.4	20	99	0
Butyl benzyl phthalate	0.517	0.537	-	-3.9	20	107	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.231	-	9.2	20	100	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	99	0
Chrysene	1.349	1.189	-	11.9	20	98	0
Bis(2-ethylhexyl)phthalate	0.726	0.756	-	-4.1	20	104	0
Di-n-octylphthalate	1.212	1.254	-	-3.5	20	104	0
Benzo(b)fluoranthene	1.42	1.331	-	6.3	20	103	0
Benzo(k)fluoranthene	1.383	1.278	-	7.6	20	95	0
Benzo(a)pyrene	1.267	1.205	-	4.9	20	99	0
IS1_Perylene-d12	1	1	-	0	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:16	
Lab File ID	: ABN1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.105	-	10.5	20	95	0
Dibenzo(a,h)anthracene	1.213	1.084	-	10.6	20	94	0
Benzo(ghi)perylene	1.192	1.085	-	9	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:39	
Lab File ID	: AP91217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-4		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	0.703	0.781	-	-11.1	20	93	0
Acetophenone	1.403	1.589	-	-13.3	20	99	0
m-Toluidine	1.287	1.401	-	-8.9	20	96	0
2-Chloroaniline	1.368	1.558	-	-13.9	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.25	-	-13.1	20	107	0
3-Chloroaniline	0.115	0.13	-	-13	20	104	0
2,6-Dichlorophenol	0.296	0.323	-	-9.1	20	102	0
1-chloro-2-nitrobenzene	0.113	0.128	-	-13.3	20	102	0
Caprolactam	0.123	0.142	-	-15.4	20	112	0
1,2,4,5-Tetrachlorobenzene	0.413	0.411	-	0.5	20	95	0
Biphenyl	0.842	0.878	-	-4.3	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	101	0
Dichloran	0.169	0.181	-	-7.1	20	110	0
Pentachloronitrobenzene	0.187	0.208	-	-11.2	20	116	0
IS2_Phenanthrene-d10	1	1	-	0	20	105	0
Diphenamid	0.416	0.447	-	-7.5	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 21:01	
Lab File ID	: ADP1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
1,4-Dioxane	0.381	0.453	-	-18.9	20	108	0
n-Decane	1.048	1.079	-	-3	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	108	0
Atrazine	0.343	0.343	-	0	20	108	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.334	0.358	-	-7.2	20	119	0
Parathion	5	5.188	-	-3.8	20	129	0
3,3'-Dimethylbenzidine	0.728	0.682	-	6.3	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
n-Nitrosodimethylamine	0.76	0.676	-	11.1	20	64	0
Pyridine	1.219	1.149	-	5.7	20	68	0
2-Fluorophenol	1.245	1.117	-	10.3	20	65	0
Aniline	1.771	1.59	-	10.2	20	63	0
2-Chlorophenol	1.365	1.299	-	4.8	20	67	0
Phenol-d6	1.498	1.314	-	12.3	20	64	0
Phenol	1.555	1.353	-	13	20	62	0
Bis(2-chloroethyl)ether	1.28	1.07	-	16.4	20	59	0
1,3-Dichlorobenzene	1.669	1.511	-	9.5	20	66	0
1,4-Dichlorobenzene	1.7	1.515	-	10.9	20	66	0
1,2-Dichlorobenzene	1.63	1.466	-	10.1	20	65	0
Benzyl alcohol	1.06	0.9	-	15.1	20	61	0
Bis(2-chloroisopropyl)ethe	2.014	1.412	-	29.9*	20	51	0
2-Methylphenol	1.123	1.11	-	1.2	20	70	0
Hexachloroethane	0.614	0.589	-	4.1	20	70	0
n-Nitrosodi-n-propylamine	0.94	0.824	-	12.3	20	61	0
3-Methylphenol/4-Methylphe	1.225	1.159	-	5.4	20	66	0
Nitrobenzene-d5	1.359	1.242	-	8.6	20	65	0
Nitrobenzene	1.389	1.233	-	11.2	20	64	0
Isophorone	2.416	2.048	-	15.2	20	59	0
2-Nitrophenol	0.713	0.691	-	3.1	20	66	0
2,4-Dimethylphenol	1.119	0.945	-	15.5	20	60	0
Bis(2-chloroethoxy)methane	1.614	1.356	-	16	20	59	0
2,4-Dichlorophenol	1.25	1.194	-	4.5	20	66	0
1,2,4-Trichlorobenzene	1.449	1.309	-	9.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	69	0
Naphthalene	1.129	1.011	-	10.5	20	64	0
Benzoic Acid	5	4.589	-	8.2	20	63	0
4-Chloroaniline	0.127	0.108	-	15	20	58	0
Hexachlorobutadiene	0.239	0.237	-	0.8	20	68	0
p-Chloro-m-cresol	0.296	0.284	-	4.1	20	64	0
2-Methylnaphthalene	0.752	0.7	-	6.9	20	65	0
1-Methylnaphthalene	0.243	0.236	-	2.9	20	69	0
Hexachlorocyclopentadiene	0.262	0.263	-	-0.4	20	70	0
2,4,6-Trichlorophenol	0.275	0.263	-	4.4	20	64	0
2,4,5-Trichlorophenol	0.285	0.276	-	3.2	20	66	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	62	0
2-Chloronaphthalene	0.785	0.797	-	-1.5	20	72	0
2-Nitroaniline	0.223	0.238	-	-6.7	20	70	0
1,4-Dinitrobenzene	0.114	0.122	-	-7	20	69	0
1,3-Dinitrobenzene	0.125	0.135	-	-8	20	69	0
Dimethyl phthalate	0.915	0.945	-	-3.3	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.214	-	-3.8	20	71	0
2,6-Dinitrotoluene	0.186	0.202	-	-8.6	20	68	0
1,2-Dinitrobenzene	0.081	0.084	-	-3.7	20	68	0
IS1_Acenaphthene-d10	1	1	-	0	20	74	0
3-Nitroaniline	0.323	0.319	-	1.2	20	70	0
Acenaphthene	1.157	1.065	-	8	20	71	0
2,4-Dinitrophenol	5	5.113	-	-2.3	20	74	0
Dibenzofuran	1.872	1.681	-	10.2	20	70	0
2,4-Dinitrotoluene	0.419	0.413	-	1.4	20	70	0
4-Nitrophenol	0.239	0.216	-	9.6	20	62	0
2,3,5,6-Tetrachlorophenol	0.39	0.397	-	-1.8	20	72	0
2,3,4,6-Tetrachlorophenol	0.385	0.388	-	-0.8	20	71	0
Diethyl phthalate	1.518	1.341	-	11.7	20	67	0
Fluorene	1.462	1.357	-	7.2	20	70	0
4-Chlorophenyl phenyl ethe	0.75	0.677	-	9.7	20	69	0
4-Nitroaniline	0.329	0.307	-	6.7	20	68	0
4,6-Dinitro-o-cresol	5	4.505	-	9.9	20	71	0
NDPA/DPA	1.261	1.183	-	6.2	20	69	0
Azobenzene	1.232	1.042	-	15.4	20	62	0
2,4,6-Tribromophenol	0.226	0.224	-	0.9	20	72	0
4-Bromophenyl phenyl ether	0.465	0.427	-	8.2	20	69	0
Hexachlorobenzene	0.526	0.493	-	6.3	20	73	0
Pentachlorophenol	0.319	0.315	-	1.3	20	71	0
IS1_Phenanthrene-d10	1	1	-	0	20	70	0
Phenanthrene	1.174	1.105	-	5.9	20	69	0
Anthracene	1.17	1.104	-	5.6	20	70	0
Carbazole	1.054	1.022	-	3	20	69	0
Di-n-butylphthalate	1.319	1.267	-	3.9	20	66	0
Fluoranthene	1.353	1.334	-	1.4	20	70	0
Benzidine	0.776	0.784	-	-1	20	66	0
Pyrene	1.428	1.393	-	2.5	20	70	0
4-Terphenyl-d14	1.073	1.088	-	-1.4	20	72	0
Butyl benzyl phthalate	0.555	0.579	-	-4.3	20	68	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.379	1.274	-	7.6	20	72	0
3,3'-Dichlorobenzidine	0.453	0.456	-	-0.7	20	73	0
Chrysene	1.324	1.203	-	9.1	20	71	0
Bis(2-ethylhexyl)phthalate	0.828	0.785	-	5.2	20	66	0
Di-n-octylphthalate	1.373	1.372	-	0.1	20	68	0
Benzo(b)fluoranthene	1.331	1.391	-	-4.5	20	81	0
Benzo(k)fluoranthene	1.24	1.214	-	2.1	20	72	0
Benzo(a)pyrene	1.155	1.207	-	-4.5	20	78	0
IS1_Perylene-d12	1	1	-	0	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:19	
Lab File ID	: ABN1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.264	-	-4.2	20	84	0
Dibenzo(a,h)anthracene	1.153	1.199	-	-4	20	83	0
Benzo(ghi)perylene	1.08	1.141	-	-5.6	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:43	
Lab File ID	: AP91218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.908	-	4.2	20	78	0
Acetophenone	1.829	1.553	-	15.1	20	72	0
m-Toluidine	1.612	1.484	-	7.9	20	77	0
2-Chloroaniline	1.609	1.49	-	7.4	20	76	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.282	0.213	-	24.5*	20	60	0
3-Chloroaniline	0.132	0.117	-	11.4	20	66	0
2,6-Dichlorophenol	0.3	0.291	-	3	20	74	0
1-chloro-2-nitrobenzene	0.145	0.13	-	10.3	20	71	0
Caprolactam	0.147	0.111	-	24.5*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.366	-	9	20	73	0
Biphenyl	0.907	0.829	-	8.6	20	71	0
IS2_Acenaphthene-d10	1	1	-	0	20	79	0
Dichloran	0.181	0.186	-	-2.8	20	82	0
Pentachloronitrobenzene	0.193	0.2	-	-3.6	20	79	0
IS2_Phenanthrene-d10	1	1	-	0	20	74	0
Diphenamid	0.505	0.511	-	-1.2	20	72	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 23:07	
Lab File ID	: ADP1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
1,4-Dioxane	0.485	0.426	-	12.2	20	64	0
n-Decane	1.486	1.087	-	26.9*	20	51	0
IS3_Acenaphthene-d10	1	1	-	0	20	64	0
Atrazine	0.415	0.367	-	11.6	20	60	0
IS3_Phenanthrene-d10	1	1	-	0	20	67	0
n-Octadecane	0.485	0.318	-	34.4*	20	44	0
Parathion	5	4.497	-	10.1	20	69	0
3,3'-Dimethylbenzidine	0.821	0.74	-	9.9	20	66	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
n-Nitrosodimethylamine	0.63	0.68	-	-7.9	20	100	0
Pyridine	0.954	1.089	-	-14.2	20	98	0
2-Fluorophenol	1.028	1.003	-	2.4	20	91	0
Aniline	1.567	1.563	-	0.3	20	93	0
2-Chlorophenol	1.225	1.198	-	2.2	20	90	0
Phenol-d6	1.317	1.286	-	2.4	20	92	0
Phenol	1.421	1.426	-	-0.4	20	94	0
Bis(2-chloroethyl)ether	1.017	0.996	-	2.1	20	93	0
1,3-Dichlorobenzene	1.577	1.451	-	8	20	88	0
1,4-Dichlorobenzene	1.61	1.473	-	8.5	20	87	0
1,2-Dichlorobenzene	1.534	1.433	-	6.6	20	89	0
Benzyl alcohol	0.93	0.948	-	-1.9	20	95	0
Bis(2-chloroisopropyl)ethe	1.794	1.967	-	-9.6	20	105	0
2-Methylphenol	1.079	1.055	-	2.2	20	95	0
Hexachloroethane	0.589	0.573	-	2.7	20	96	0
n-Nitrosodi-n-propylamine	0.863	0.871	-	-0.9	20	98	0
3-Methylphenol/4-Methylphe	1.182	1.163	-	1.6	20	96	0
Nitrobenzene-d5	1.195	1.275	-	-6.7	20	99	0
Nitrobenzene	1.222	1.274	-	-4.3	20	97	0
Isophorone	2.247	2.284	-	-1.6	20	96	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	102	0
2,4-Dimethylphenol	1.101	1.041	-	5.4	20	89	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	96	0
2,4-Dichlorophenol	1.285	1.303	-	-1.4	20	95	0
1,2,4-Trichlorobenzene	1.555	1.476	-	5.1	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	1.022	-	7.1	20	95	0
Benzoic Acid	0.228	0.236	-	-3.5	20	109	0
4-Chloroaniline	0.121	0.117	-	3.3	20	94	0
Hexachlorobutadiene	0.258	0.238	-	7.8	20	91	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.712	-	6.4	20	97	0
1-Methylnaphthalene	0.242	0.225	-	7	20	93	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	94	0
2,4,6-Trichlorophenol	0.287	0.286	-	0.3	20	98	0
2,4,5-Trichlorophenol	0.32	0.303	-	5.3	20	96	0
2-Fluorobiphenyl	0.99	0.91	-	8.1	20	95	0
2-Chloronaphthalene	0.852	0.787	-	7.6	20	94	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	97	0
1,4-Dinitrobenzene	0.095	0.1	-	-5.3	20	101	0
1,3-Dinitrobenzene	0.113	0.112	-	0.9	20	93	0
Dimethyl phthalate	0.991	0.958	-	3.3	20	99	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.201	-	4.1	20	97	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	98	0
1,2-Dinitrobenzene	0.066	0.067	-	-1.5	20	91	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.309	0.312	-	-1	20	99	0
Acenaphthene	1.163	1.047	-	10	20	98	0
2,4-Dinitrophenol	0.188	0.159	-	15.4	20	91	0
Dibenzofuran	2.006	1.792	-	10.7	20	97	0
2,4-Dinitrotoluene	0.387	0.399	-	-3.1	20	98	0
4-Nitrophenol	0.23	0.256	-	-11.3	20	109	0
2,3,5,6-Tetrachlorophenol	0.436	0.446	-	-2.3	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.425	-	0.7	20	102	0
Diethyl phthalate	1.575	1.454	-	7.7	20	100	0
Fluorene	1.536	1.393	-	9.3	20	97	0
4-Chlorophenyl phenyl ethe	0.792	0.688	-	13.1	20	94	0
4-Nitroaniline	0.299	0.307	-	-2.7	20	97	0
4,6-Dinitro-o-cresol	0.234	0.239	-	-2.1	20	98	0
NDPA/DPA	1.337	1.189	-	11.1	20	97	0
Azobenzene	1.281	1.283	-	-0.2	20	105	0
2,4,6-Tribromophenol	0.286	0.307	-	-7.3	20	112	0
4-Bromophenyl phenyl ether	0.522	0.466	-	10.7	20	98	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	101	0
Pentachlorophenol	0.356	0.39	-	-9.6	20	108	0
IS1_Phenanthrene-d10	1	1	-	0	20	99	0
Phenanthrene	1.183	1.073	-	9.3	20	98	0
Anthracene	1.16	1.075	-	7.3	20	98	0
Carbazole	1.064	0.995	-	6.5	20	97	0
Di-n-butylphthalate	1.207	1.213	-	-0.5	20	101	0
Fluoranthene	1.422	1.325	-	6.8	20	99	0
Benzidine	0.772	0.732	-	5.2	20	91	0
Pyrene	1.52	1.42	-	6.6	20	98	0
4-Terphenyl-d14	1.157	1.011	-	12.6	20	94	0
Butyl benzyl phthalate	0.517	0.538	-	-4.1	20	102	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.355	1.227	-	9.4	20	95	0
3,3'-Dichlorobenzidine	0.505	0.488	-	3.4	20	94	0
Chrysene	1.349	1.175	-	12.9	20	93	0
Bis(2-ethylhexyl)phthalate	0.726	0.762	-	-5	20	101	0
Di-n-octylphthalate	1.212	1.246	-	-2.8	20	99	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	96	0
Benzo(k)fluoranthene	1.383	1.275	-	7.8	20	91	0
Benzo(a)pyrene	1.267	1.169	-	7.7	20	92	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/18/24 23:39	
Lab File ID	: ABN1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.087	-	11.9	20	90	0
Dibenzo(a,h)anthracene	1.213	1.062	-	12.4	20	88	0
Benzo(ghi)perylene	1.192	1.064	-	10.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/19/24 00:02	
Lab File ID	: AP91218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-4		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
Benzaldehyde	0.703	0.759	-	-8	20	86	0
Acetophenone	1.403	1.597	-	-13.8	20	95	0
m-Toluidine	1.287	1.445	-	-12.3	20	95	0
2-Chloroaniline	1.368	1.563	-	-14.3	20	95	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.243	-	-10	20	100	0
3-Chloroaniline	0.115	0.129	-	-12.2	20	100	0
2,6-Dichlorophenol	0.296	0.327	-	-10.5	20	99	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	100	0
Caprolactam	0.123	0.136	-	-10.6	20	104	0
1,2,4,5-Tetrachlorobenzene	0.413	0.414	-	-0.2	20	92	0
Biphenyl	0.842	0.882	-	-4.8	20	95	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.182	-	-7.7	20	106	0
Pentachloronitrobenzene	0.187	0.211	-	-12.8	20	113	0
IS2_Phenanthrene-d10	1	1	-	0	20	99	0
Diphenamid	0.416	0.452	-	-8.7	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/19/24 00:24	
Lab File ID	: ADP1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
1,4-Dioxane	0.381	0.413	-	-8.4	20	95	0
n-Decane	1.048	1.085	-	-3.5	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	102	0
Atrazine	0.343	0.337	-	1.7	20	101	0
IS3_Phenanthrene-d10	1	1	-	0	20	104	0
n-Octadecane	0.334	0.36	-	-7.8	20	113	0
Parathion	5	5.121	-	-2.4	20	120	0
3,3'-Dimethylbenzidine	0.728	0.677	-	7	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Instrument ID	: SV112	Calibration Date	: 12/19/24 11:24
Lab File ID	: ABN1219	Init. Calib. Date(s)	: 12/15/24 12/16/24
Sample No	: WG2011377-3	Init. Calib. Times	: 21:56 09:39
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
n-Nitrosodimethylamine	0.739	0.736	-	0.4	20	117	0
Pyridine	1.143	1.211	-	-5.9	20	116	0
2-Fluorophenol	1.117	1.124	-	-0.6	20	117	0
Aniline	1.761	1.83	-	-3.9	20	119	0
2-Chlorophenol	1.265	1.316	-	-4	20	120	0
Phenol-d6	1.415	1.42	-	-0.4	20	117	0
Phenol	1.604	1.684	-	-5	20	120	0
Bis(2-chloroethyl)ether	1.219	1.254	-	-2.9	20	120	0
1,3-Dichlorobenzene	1.548	1.57	-	-1.4	20	120	0
1,4-Dichlorobenzene	1.564	1.564	-	0	20	117	0
1,2-Dichlorobenzene	1.522	1.525	-	-0.2	20	119	0
Benzyl alcohol	0.988	1.024	-	-3.6	20	118	0
Bis(2-chloroisopropyl)ethe	1.452	1.537	-	-5.9	20	120	0
2-Methylphenol	1.084	1.141	-	-5.3	20	123	0
Hexachloroethane	0.591	0.609	-	-3	20	122	0
n-Nitrosodi-n-propylamine	0.893	0.913	-	-2.2	20	122	0
3-Methylphenol/4-Methylphe	1.179	1.229	-	-4.2	20	119	0
Nitrobenzene-d5	1.273	1.334	-	-4.8	20	119	0
Nitrobenzene	1.315	1.357	-	-3.2	20	118	0
Isophorone	2.342	2.399	-	-2.4	20	114	0
2-Nitrophenol	0.614	0.686	-	-11.7	20	124	0
2,4-Dimethylphenol	1.099	1.189	-	-8.2	20	123	0
Bis(2-chloroethoxy)methane	1.615	1.659	-	-2.7	20	117	0
2,4-Dichlorophenol	1.203	1.261	-	-4.8	20	117	0
1,2,4-Trichlorobenzene	1.483	1.478	-	0.3	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	113	0
Naphthalene	1.049	1.077	-	-2.7	20	118	0
Benzoic Acid	0.249	0.212	-	14.9	20	109	0
4-Chloroaniline	0.123	0.131	-	-6.5	20	119	0
Hexachlorobutadiene	0.259	0.255	-	1.5	20	118	0
p-Chloro-m-cresol	0.285	0.303	-	-6.3	20	120	0
2-Methylnaphthalene	0.727	0.722	-	0.7	20	117	0
1-Methylnaphthalene	0.245	0.241	-	1.6	20	119	0
Hexachlorocyclopentadiene	0.27	0.294	-	-8.9	20	128	0
2,4,6-Trichlorophenol	0.267	0.286	-	-7.1	20	121	0
2,4,5-Trichlorophenol	0.286	0.302	-	-5.6	20	119	0
2-Fluorobiphenyl	0.914	0.91	-	0.4	20	116	0
2-Chloronaphthalene	0.774	0.767	-	0.9	20	115	0
2-Nitroaniline	0.202	0.212	-	-5	20	120	0
1,4-Dinitrobenzene	0.111	0.114	-	-2.7	20	119	0
1,3-Dinitrobenzene	0.126	0.131	-	-4	20	119	0
Dimethyl phthalate	0.917	0.926	-	-1	20	115	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.09	1.172	-	-7.5	20	118	0
2,6-Dinitrotoluene	0.175	0.194	-	-10.9	20	120	0
1,2-Dinitrobenzene	0.078	0.083	-	-6.4	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	114	0
3-Nitroaniline	0.313	0.322	-	-2.9	20	115	0
Acenaphthene	1.122	1.112	-	0.9	20	120	0
2,4-Dinitrophenol	5	4.934	-	1.3	20	135	0
Dibenzofuran	1.899	1.853	-	2.4	20	116	0
2,4-Dinitrotoluene	0.392	0.435	-	-11	20	118	0
4-Nitrophenol	0.245	0.257	-	-4.9	20	115	0
2,3,5,6-Tetrachlorophenol	0.412	0.44	-	-6.8	20	116	0
2,3,4,6-Tetrachlorophenol	0.402	0.434	-	-8	20	119	0
Diethyl phthalate	1.471	1.486	-	-1	20	113	0
Fluorene	1.446	1.445	-	0.1	20	116	0
4-Chlorophenyl phenyl ethe	0.792	0.754	-	4.8	20	114	0
4-Nitroaniline	0.311	0.339	-	-9	20	120	0
4,6-Dinitro-o-cresol	5	4.921	-	1.6	20	125	0
NDPA/DPA	1.205	1.252	-	-3.9	20	118	0
Azobenzene	1.314	1.395	-	-6.2	20	119	0
2,4,6-Tribromophenol	0.244	0.256	-	-4.9	20	121	0
4-Bromophenyl phenyl ether	0.505	0.497	-	1.6	20	118	0
Hexachlorobenzene	0.616	0.583	-	5.4	20	116	0
Pentachlorophenol	0.335	0.364	-	-8.7	20	120	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.122	1.093	-	2.6	20	115	0
Anthracene	1.087	1.103	-	-1.5	20	118	0
Carbazole	0.982	1.023	-	-4.2	20	117	0
Di-n-butylphthalate	1.059	1.159	-	-9.4	20	117	0
Fluoranthene	1.298	1.332	-	-2.6	20	117	0
Benzidine	0.667	0.777	-	-16.5	20	129	0
Pyrene	1.363	1.416	-	-3.9	20	116	0
4-Terphenyl-d14	1.068	1.105	-	-3.5	20	119	0
Butyl benzyl phthalate	0.471	0.525	-	-11.5	20	124	0
IS1_Chrysene-d12	1	1	-	0	20	117	0
Benzo(a)anthracene	1.25	1.273	-	-1.8	20	118	0
3,3'-Dichlorobenzidine	0.439	0.473	-	-7.7	20	121	0
Chrysene	1.276	1.215	-	4.8	20	118	0
Bis(2-ethylhexyl)phthalate	0.62	0.71	-	-14.5	20	122	0
Di-n-octylphthalate	0.957	1.155	-	-20.7*	20	126	0
Benzo(b)fluoranthene	1.3	1.286	-	1.1	20	109	0
Benzo(k)fluoranthene	1.194	1.322	-	-10.7	20	128	0
Benzo(a)pyrene	1.116	1.191	-	-6.7	20	119	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:24	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-3		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.157	1.176	-	-1.6	20	119	0
Dibenzo(a,h)anthracene	1.089	1.142	-	-4.9	20	123	0
Benzo(ghi)perylene	1.086	1.093	-	-0.6	20	123	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
n-Nitrosodimethylamine	0.76	0.706	-	7.1	20	81	0
Pyridine	1.219	1.054	-	13.5	20	75	0
2-Fluorophenol	1.245	1.129	-	9.3	20	79	0
Aniline	1.771	1.619	-	8.6	20	77	0
2-Chlorophenol	1.365	1.333	-	2.3	20	83	0
Phenol-d6	1.498	1.355	-	9.5	20	80	0
Phenol	1.555	1.771	-	-13.9	20	97	0
Bis(2-chloroethyl)ether	1.28	1.091	-	14.8	20	73	0
1,3-Dichlorobenzene	1.669	1.566	-	6.2	20	83	0
1,4-Dichlorobenzene	1.7	1.588	-	6.6	20	83	0
1,2-Dichlorobenzene	1.63	1.597	-	2	20	86	0
Benzyl alcohol	1.06	0.978	-	7.7	20	79	0
Bis(2-chloroisopropyl)ethe	2.014	1.164	-	42.2*	20	51	0
2-Methylphenol	1.123	1.071	-	4.6	20	81	0
Hexachloroethane	0.614	0.555	-	9.6	20	80	0
n-Nitrosodi-n-propylamine	0.94	0.785	-	16.5	20	71	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	79	0
Nitrobenzene-d5	1.359	1.187	-	12.7	20	75	0
Nitrobenzene	1.389	1.194	-	14	20	74	0
Isophorone	2.416	2.102	-	13	20	73	0
2-Nitrophenol	0.713	0.766	-	-7.4	20	88	0
2,4-Dimethylphenol	1.119	1.147	-	-2.5	20	88	0
Bis(2-chloroethoxy)methane	1.614	1.481	-	8.2	20	78	0
2,4-Dichlorophenol	1.25	1.242	-	0.6	20	82	0
1,2,4-Trichlorobenzene	1.449	1.475	-	-1.8	20	90	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.129	1.044	-	7.5	20	86	0
Benzoic Acid	5	4.91	-	1.8	20	89	0
4-Chloroaniline	0.127	0.104	-	18.1	20	72	0
Hexachlorobutadiene	0.239	0.225	-	5.9	20	84	0
p-Chloro-m-cresol	0.296	0.28	-	5.4	20	82	0
2-Methylnaphthalene	0.752	0.669	-	11	20	80	0
1-Methylnaphthalene	0.243	0.227	-	6.6	20	86	0
Hexachlorocyclopentadiene	0.262	0.259	-	1.1	20	89	0
2,4,6-Trichlorophenol	0.275	0.26	-	5.5	20	81	0
2,4,5-Trichlorophenol	0.285	0.264	-	7.4	20	82	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	80	0
2-Chloronaphthalene	0.785	0.706	-	10.1	20	82	0
2-Nitroaniline	0.223	0.209	-	6.3	20	80	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	81	0
1,3-Dinitrobenzene	0.125	0.122	-	2.4	20	80	0
Dimethyl phthalate	0.915	0.832	-	9.1	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.051	-	10.2	20	80	0
2,6-Dinitrotoluene	0.186	0.182	-	2.2	20	80	0
1,2-Dinitrobenzene	0.081	0.074	-	8.6	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	81	0
3-Nitroaniline	0.323	0.337	-	-4.3	20	82	0
Acenaphthene	1.157	1.098	-	5.1	20	81	0
2,4-Dinitrophenol	5	4.801	-	4	20	76	0
Dibenzofuran	1.872	1.739	-	7.1	20	80	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	79	0
4-Nitrophenol	0.239	0.212	-	11.3	20	67	0
2,3,5,6-Tetrachlorophenol	0.39	0.413	-	-5.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.385	0.398	-	-3.4	20	81	0
Diethyl phthalate	1.518	1.407	-	7.3	20	77	0
Fluorene	1.462	1.407	-	3.8	20	80	0
4-Chlorophenyl phenyl ethe	0.75	0.716	-	4.5	20	81	0
4-Nitroaniline	0.329	0.324	-	1.5	20	79	0
4,6-Dinitro-o-cresol	5	4.797	-	4.1	20	84	0
NDPA/DPA	1.261	1.216	-	3.6	20	79	0
Azobenzene	1.232	1.035	-	16	20	68	0
2,4,6-Tribromophenol	0.226	0.241	-	-6.6	20	85	0
4-Bromophenyl phenyl ether	0.465	0.466	-	-0.2	20	83	0
Hexachlorobenzene	0.526	0.532	-	-1.1	20	87	0
Pentachlorophenol	0.319	0.332	-	-4.1	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.174	1.077	-	8.3	20	78	0
Anthracene	1.17	1.099	-	6.1	20	80	0
Carbazole	1.054	0.987	-	6.4	20	77	0
Di-n-butylphthalate	1.319	1.272	-	3.6	20	77	0
Fluoranthene	1.353	1.288	-	4.8	20	78	0
Benzidine	0.776	0.812	-	-4.6	20	79	0
Pyrene	1.428	1.356	-	5	20	78	0
4-Terphenyl-d14	1.073	1.049	-	2.2	20	81	0
Butyl benzyl phthalate	0.555	0.595	-	-7.2	20	81	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.379	1.318	-	4.4	20	82	0
3,3'-Dichlorobenzidine	0.453	0.48	-	-6	20	84	0
Chrysene	1.324	1.244	-	6	20	81	0
Bis(2-ethylhexyl)phthalate	0.828	0.86	-	-3.9	20	78	0
Di-n-octylphthalate	1.373	1.53	-	-11.4	20	83	0
Benzo(b)fluoranthene	1.331	1.444	-	-8.5	20	92	0
Benzo(k)fluoranthene	1.24	1.231	-	0.7	20	80	0
Benzo(a)pyrene	1.155	1.253	-	-8.5	20	88	0
IS1_Perylene-d12	1	1	-	0	20	88	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:28	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.233	-	-1.6	20	90	0
Dibenzo(a,h)anthracene	1.153	1.189	-	-3.1	20	90	0
Benzo(ghi)perylene	1.08	1.127	-	-4.4	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:47	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-4		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	131	0
Benzaldehyde	0.832	0.794	-	4.6	20	134	0
Acetophenone	1.813	1.571	-	13.3	20	125	0
m-Toluidine	1.357	1.4	-	-3.2	20	136	0
2-Chloroaniline	1.57	1.444	-	8	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.253	0.252	-	0.4	20	141	0
3-Chloroaniline	0.13	0.127	-	2.3	20	127	0
2,6-Dichlorophenol	0.312	0.299	-	4.2	20	128	0
1-chloro-2-nitrobenzene	0.141	0.136	-	3.5	20	130	0
Caprolactam	5	4.351	-	13	20	130	0
1,2,4,5-Tetrachlorobenzene	0.468	0.405	-	13.5	20	122	0
Biphenyl	0.969	0.856	-	11.7	20	123	0
IS2_Acenaphthene-d10	1	1	-	0	20	134	0
Dichloran	0.169	0.17	-	-0.6	20	141	0
Pentachloronitrobenzene	0.19	0.19	-	0	20	136	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.455	0.438	-	3.7	20	132	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:52	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.79	-	16.7	20	68	0
Acetophenone	1.829	1.611	-	11.9	20	75	0
m-Toluidine	1.612	1.395	-	13.5	20	72	0
2-Chloroaniline	1.609	1.524	-	5.3	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.282	0.201	-	28.7*	20	61	0
3-Chloroaniline	0.132	0.104	-	21.2*	20	64	0
2,6-Dichlorophenol	0.3	0.277	-	7.7	20	76	0
1-chloro-2-nitrobenzene	0.145	0.132	-	9	20	77	0
Caprolactam	0.147	0.104	-	29.3*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.372	-	7.5	20	80	0
Biphenyl	0.907	0.822	-	9.4	20	76	0
IS2_Acenaphthene-d10	1	1	-	0	20	88	0
Dichloran	0.181	0.183	-	-1.1	20	90	0
Pentachloronitrobenzene	0.193	0.195	-	-1	20	86	0
IS2_Phenanthrene-d10	1	1	-	0	20	85	0
Diphenamid	0.505	0.517	-	-2.4	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 12:11	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-5		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
1,4-Dioxane	0.487	0.439	-	9.9	20	112	0
n-Decane	1.199	1.158	-	3.4	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	118	0
Atrazine	0.372	0.35	-	5.9	20	115	0
IS3_Phenanthrene-d10	1	1	-	0	20	116	0
n-Octadecane	0.315	0.334	-	-6	20	121	0
Parathion	5	4.771	-	4.6	20	125	0
3,3'-Dimethylbenzidine	5	4.723	-	5.5	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 12:15	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.485	0.376	-	22.5*	20	73	0
n-Decane	1.486	1.059	-	28.7*	20	64	0
IS3_Acenaphthene-d10	1	1	-	0	20	85	0
Atrazine	0.415	0.347	-	16.4	20	75	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.485	0.33	-	32*	20	58	0
Parathion	5	4.737	-	5.3	20	91	0
3,3'-Dimethylbenzidine	0.821	0.733	-	10.7	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2	t	n-Nitrosodimethylamine	0.630	0.680	-7.9	100	0.00
3	t	Pyridine	0.954	1.089	-14.2	98	0.00
4	S	2-Fluorophenol	1.028	1.003	2.4	91	0.00
5	T	Aniline	1.567	1.563	0.3	93	0.00
6	t	2-Chlorophenol	1.225	1.198	2.2	90	0.00
7	S	Phenol-d6	1.317	1.286	2.4	92	0.00
8	T	Phenol	1.421	1.426	-0.4	94	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.996	2.1	93	0.00
10	T	1,3-Dichlorobenzene	1.577	1.451	8.0	88	0.00
11	T	1,4-Dichlorobenzene	1.610	1.473	8.5	87	0.00
12	T	1,2-Dichlorobenzene	1.534	1.433	6.6	89	0.00
13	t	Benzyl alcohol	0.930	0.948	-1.9	95	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.967	-9.6	105	0.00
15	T	2-Methylphenol	1.079	1.055	2.2	95	0.00
16	T	Hexachloroethane	0.589	0.573	2.7	96	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.871	-0.9	98	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.163	1.6	96	0.00
19	S	Nitrobenzene-d5	1.195	1.275	-6.7	99	0.00
20	T	Nitrobenzene	1.222	1.274	-4.3	97	0.00
21	T	Isophorone	2.247	2.284	-1.6	96	0.00
22	T	2-Nitrophenol	0.619	0.670	-8.2	102	0.00
23	T	2,4-Dimethylphenol	1.101	1.041	5.4	89	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.421	-1.5	96	0.00
25	T	2,4-Dichlorophenol	1.285	1.303	-1.4	95	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.476	5.1	91	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	95	0.00
38	T	Naphthalene	1.100	1.022	7.1	95	0.00
39	T	Benzoic Acid	0.228	0.236	-3.5	109	0.00
40	T	4-Chloroaniline	0.121	0.117	3.3	94	0.00
41	T	Hexachlorobutadiene	0.258	0.238	7.8	91	0.00
42	T	p-Chloro-m-cresol	0.290	0.285	1.7	97	0.00
43	T	2-Methylnaphthalene	0.761	0.712	6.4	97	0.00
44	T	1-Methylnaphthalene	0.242	0.225	7.0	93	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.265	2.6	94	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.286	0.3	98	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.303	5.3	96	0.00
48	S	2-Fluorobiphenyl	0.990	0.910	8.1	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene	0.852	0.787	7.6	94	0.00
50	T	2-Nitroaniline	0.218	0.220	-0.9	97	0.00
51	T	1,4-Dinitrobenzene	0.095	0.100	-5.3	101	0.00
52	T	1,3-Dinitrobenzene	0.113	0.112	0.9	93	0.00
53	T	Dimethyl phthalate	0.991	0.958	3.3	99	0.00
54	T	Acenaphthylene	1.252	1.201	4.1	97	0.00
55	T	2,6-Dinitrotoluene	0.185	0.191	-3.2	98	0.00
56	T	1,2-Dinitrobenzene	0.066	0.067	-1.5	91	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	99	0.00
66	T	3-Nitroaniline	0.309	0.312	-1.0	99	0.00
67	T	Acenaphthene	1.163	1.047	10.0	98	0.00
68	T	2,4-Dinitrophenol	0.188	0.159	15.4	91	0.00
69	T	Dibenzofuran	2.006	1.792	10.7	97	0.00
70	T	2,4-Dinitrotoluene	0.387	0.399	-3.1	98	0.00
71	T	4-Nitrophenol	0.230	0.256	-11.3	109	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.446	-2.3	104	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.425	0.7	102	0.00
74	T	Diethyl phthalate	1.575	1.454	7.7	100	0.00
75	T	Fluorene	1.536	1.393	9.3	97	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.688	13.1	94	0.00
77	T	4-Nitroaniline	0.299	0.307	-2.7	97	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.239	-2.1	98	0.00
79	T	NDPA/DPA	1.337	1.189	11.1	97	0.00
80	T	Azobenzene	1.281	1.283	-0.2	105	0.00
81	S	2,4,6-Tribromophenol	0.286	0.307	-7.3	112	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.466	10.7	98	0.00
83	T	Hexachlorobenzene	0.656	0.598	8.8	101	0.00
84	T	Pentachlorophenol	0.356	0.390	-9.6	108	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	99	0.00
91	T	Phenanthrene	1.183	1.073	9.3	98	0.00
92	T	Anthracene	1.160	1.075	7.3	98	0.00
93	T	Carbazole	1.064	0.995	6.5	97	0.00
94	T	Di-n-butylphthalate	1.207	1.213	-0.5	101	0.00
95	T	Fluoranthene	1.422	1.325	6.8	99	0.00
96	T	Benzidine	0.772	0.732	5.2	91	0.00
97	T	Pyrene	1.520	1.420	6.6	98	0.00
98	S	4-Terphenyl-d14	1.157	1.011	12.6	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.538	-4.1	102	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
107	T	Benzo(a)anthracene	1.355	1.227	9.4	95	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.488	3.4	94	0.00
109	T	Chrysene	1.349	1.175	12.9	93	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.762	-5.0	101	0.00
111	T	Di-n-octylphthalate	1.212	1.246	-2.8	99	0.00
112	T	Benzo(b)fluoranthene	1.420	1.303	8.2	96	0.00
113	T	Benzo(k)fluoranthene	1.383	1.275	7.8	91	0.00
114	T	Benzo(a)pyrene	1.267	1.169	7.7	92	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.087	11.9	90	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.062	12.4	88	0.00
118	T	Benzo(ghi)perylene	1.192	1.064	10.7	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.633	152	26398	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	4.895	136	102471	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	6.574	164	68910	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	7.963	188	148471	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	10.471	240	168085	4.000	ug/ml		0.00
115) IS1_Perylene-d12	11.817	264	196799	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.216	112	33095	4.877	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 243.85%#				
7) Phenol-d6	3.363	99	42434	4.882	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 244.10%#				
19) Nitrobenzene-d5	4.208	82	42085	5.336	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 533.60%#				
48) 2-Fluorobiphenyl	5.980	172	116608	4.598	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 459.80%#				
81) 2,4,6-Tribromophenol	7.326	330	26423	5.364	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 268.20%#				
98) 4-Terphenyl-d14	9.536	244	187685	4.369	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 436.90%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.013	74	22430	5.392	ug/ml		81
3) Pyridine	1.029	79	35948	5.710	ug/ml	#	61
5) Aniline	3.307	93	51569	4.987	ug/ml		96
6) 2-Chlorophenol	3.419	128	39526	4.889	ug/ml		91
8) Phenol	3.375	94	47068	5.020	ug/ml		96
9) Bis(2-chloroethyl)ether	3.419	93	32857	4.894	ug/ml	#	69
10) 1,3-Dichlorobenzene	3.568	146	47889	4.603	ug/ml		94
11) 1,4-Dichlorobenzene	3.649	146	48591	4.574	ug/ml		94
12) 1,2-Dichlorobenzene	3.801	146	47272	4.669	ug/ml		93
13) Benzyl alcohol	3.829	79	31286	5.097	ug/ml		99
14) Bis(2-chloroisopropyl)...	3.981	45	64898	5.482	ug/ml	#	68
15) 2-Methylphenol	3.991	108	34800	4.885	ug/ml		98
16) Hexachloroethane	4.131	117	18900	4.859	ug/ml	#	55
17) n-Nitrosodi-n-propylamine	4.112	70	28751	5.050	ug/ml	#	86
18) 3-Methylphenol/4-Methy...	4.159	108	38387	4.919	ug/ml		99
20) Nitrobenzene	4.224	77	42036	5.211	ug/ml		96
21) Isophorone	4.479	82	75362	5.082	ug/ml	#	94
22) 2-Nitrophenol	4.547	139	22098	5.411	ug/ml		90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.668	107	34346	4.728	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.749	93	46881	5.075	ug/ml#	94
25) 2,4-Dichlorophenol	4.796	162	42992	5.069	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.861	180	48709	4.746	ug/ml	96
38) Naphthalene	4.914	128	130967	4.647	ug/ml	100
39) Benzoic Acid	4.786	105	30186	5.174	ug/ml	91
40) 4-Chloroaniline	5.013	65	15038	4.855	ug/ml#	72
41) Hexachlorobutadiene	5.085	225	30474	4.604	ug/ml	100
42) p-Chloro-m-cresol	5.542	107	36525	4.919	ug/ml	94
43) 2-Methylnaphthalene	5.594	142	91253	4.679	ug/ml	96
44) 1-Methylnaphthalene	5.681	115	28826	4.649	ug/ml	93
45) Hexachlorocyclopentadiene	5.772	237	33938	4.866	ug/ml	99
46) 2,4,6-Trichlorophenol	5.899	196	36594	4.985	ug/ml	99
47) 2,4,5-Trichlorophenol	5.924	196	38813	4.728	ug/ml	98
49) 2-Chloronaphthalene	6.048	162	100857	4.619	ug/ml#	92
50) 2-Nitroaniline	6.179	138	28204	5.047	ug/ml#	79
51) 1,4-Dinitrobenzene	6.319	168	12772	5.262	ug/ml	92
52) 1,3-Dinitrobenzene	6.393	168	14374	4.944	ug/ml#	1
53) Dimethyl phthalate	6.403	163	122696	4.834	ug/ml#	97
54) Acenaphthylene	6.431	152	153838	4.797	ug/ml	99
55) 2,6-Dinitrotoluene	6.434	165	24448	5.160	ug/ml	88
56) 1,2-Dinitrobenzene	6.465	168	8564	5.047	ug/ml#	85
66) 3-Nitroaniline	6.577	138	26839	5.044	ug/ml	88
67) Acenaphthene	6.605	154	90176	4.500	ug/ml	87
68) 2,4-Dinitrophenol	6.679	184	13668	4.218	ug/ml	88
69) Dibenzofuran	6.772	168	154317	4.465	ug/ml	90
70) 2,4-Dinitrotoluene	6.810	165	34352	5.150	ug/ml#	88
71) 4-Nitrophenol	6.803	65	22040	5.556	ug/ml#	91
72) 2,3,5,6-Tetrachlorophenol	6.875	232	38380	5.105	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	6.918	232	36569	4.962	ug/ml	98
74) Diethyl phthalate	7.086	149	125274	4.618	ug/ml	96
75) Fluorene	7.093	166	120022	4.535	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.136	204	59254	4.344	ug/ml#	88
77) 4-Nitroaniline	7.149	138	26469	5.146	ug/ml#	81
78) 4,6-Dinitro-o-cresol	7.189	198	20591	5.107	ug/ml#	62
79) NDPA/DPA	7.257	169	102396	4.447	ug/ml	92
80) Azobenzene	7.279	77	110556	5.011	ug/ml	94
82) 4-Bromophenyl phenyl e...	7.590	248	40175	4.472	ug/ml#	81
83) Hexachlorobenzene	7.621	284	51546	4.558	ug/ml#	80
84) Pentachlorophenol	7.823	266	33620	5.484	ug/ml	99
91) Phenanthrene	7.985	178	199193	4.538	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.034	178	199464	4.633	ug/ml	98
93)	Carbazole	8.218	167	184699	4.675	ug/ml	98
94)	Di-n-butylphthalate	8.656	149	225118	5.026	ug/ml#	98
95)	Fluoranthene	9.107	202	245971	4.659	ug/ml#	93
96)	Benzidine	9.293	184	135920	4.745	ug/ml#	95
97)	Pyrene	9.309	202	263575	4.673	ug/ml	99
99)	Butyl benzyl phthalate	10.061	149	99800	5.201	ug/ml#	83
107)	Benzo(a)anthracene	10.462	228	257886	4.528	ug/ml	99
108)	3,3'-Dichlorobenzidine	10.496	252	102567	4.834	ug/ml#	96
109)	Chrysene	10.493	228	246939	4.356	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	10.673	149	160123	5.246	ug/ml#	87
111)	Di-n-octylphthalate	11.301	149	261733	5.141	ug/ml#	72
112)	Benzo(b)fluoranthene	11.478	252	273674	4.587	ug/ml#	94
113)	Benzo(k)fluoranthene	11.503	252	267889	4.609	ug/ml#	93
114)	Benzo(a)pyrene	11.764	252	245601	4.613	ug/ml#	94
116)	Indeno(1,2,3-cd)pyrene	12.724	276	267492	4.405	ug/mL#	90
117)	Dibenzo(a,h)anthracene	12.759	278	261241	4.378	ug/ml#	90
118)	Benzo(ghi)perylene	12.926	276	261775	4.463	ug/ml#	87

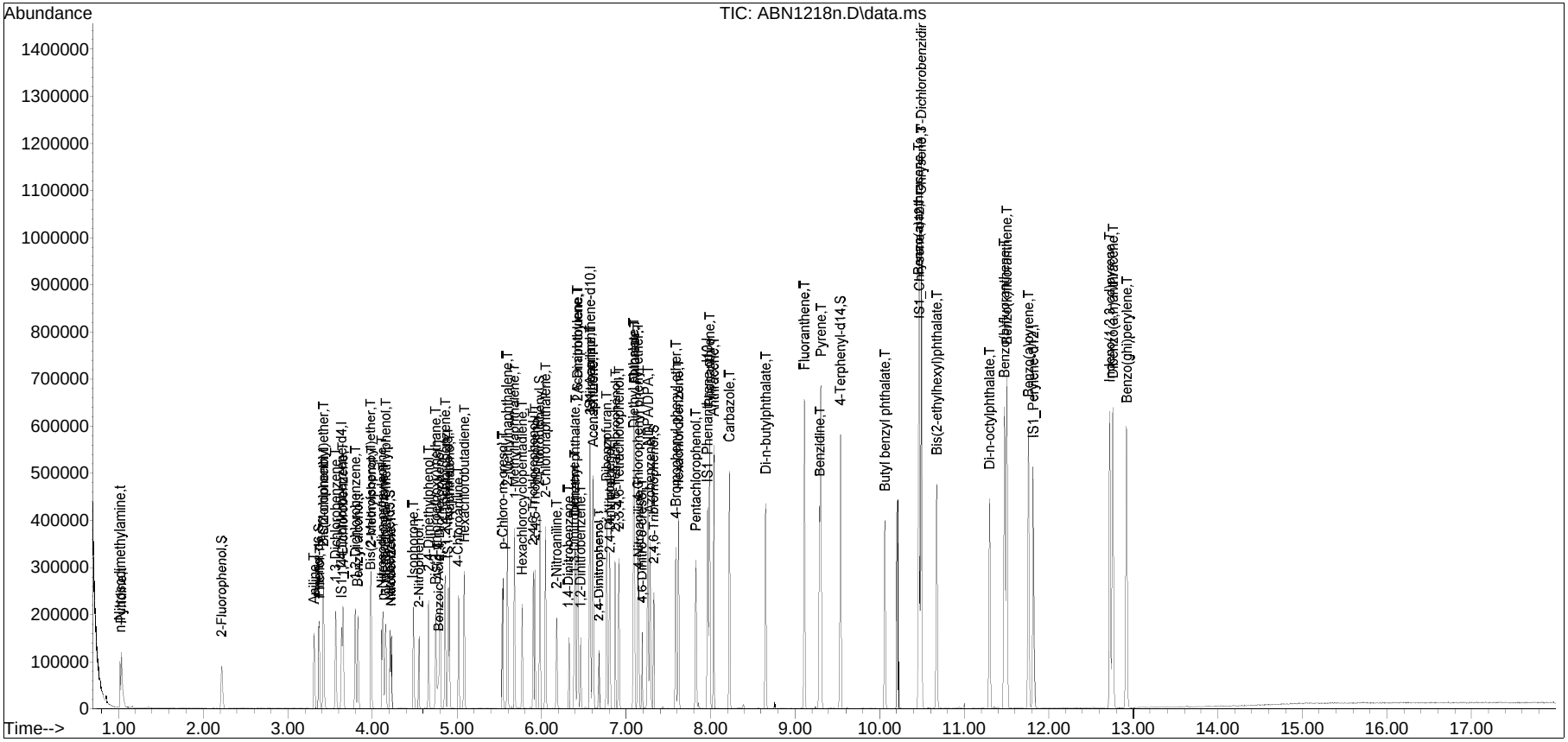
(#) = qualifier out of range (m) = manual integration (+) = signals summed

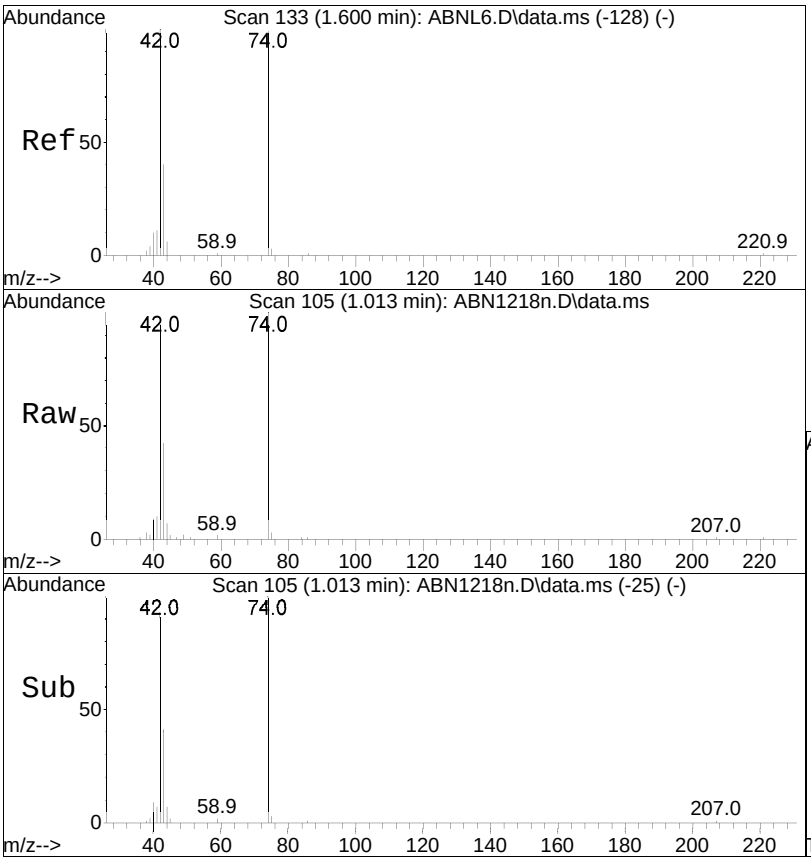
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ABN1218n.D
Acq On : 18 Dec 2024 11:39 pm
Operator : Dakota:im
Sample : WG2011025-3,32,,ABN RVT CCV Lot # 11043
Misc : WG2011025,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 19 00:02:51 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:04:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

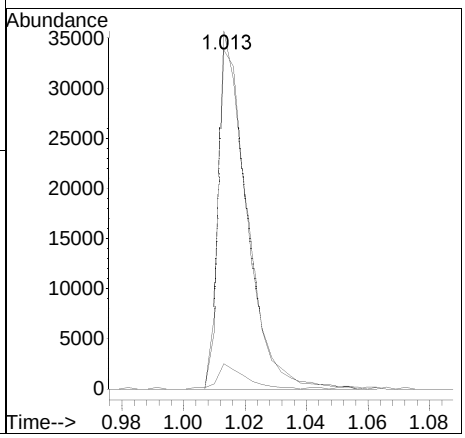


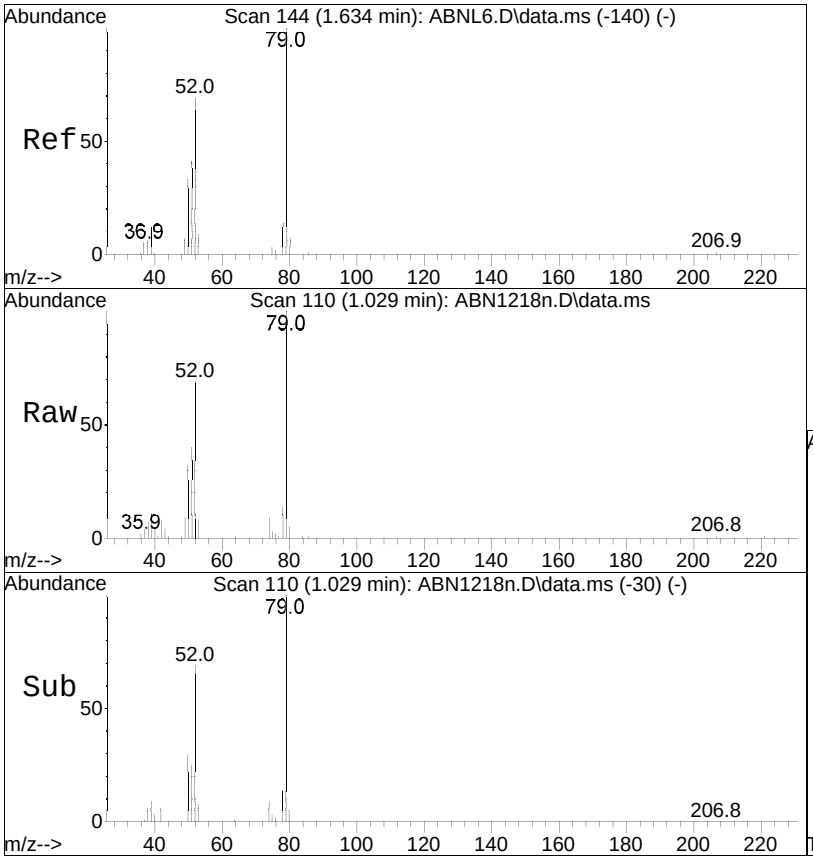


#2
n-Nitrosodimethylamine
Concen: 5.39 ug/ml
RT: 1.013 min Scan# 105
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 74 Resp: 22430

Ion	Ratio	Lower	Upper
74	100		
42	102.1	100.0	150.0
44	7.0	6.7	10.1

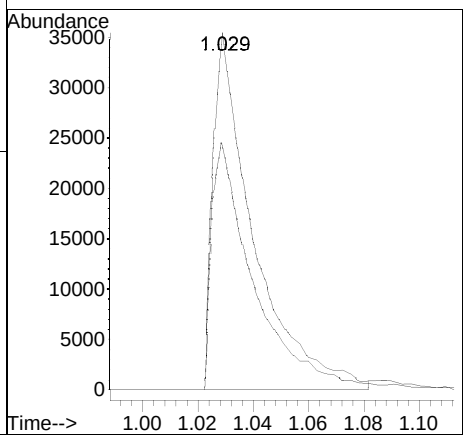


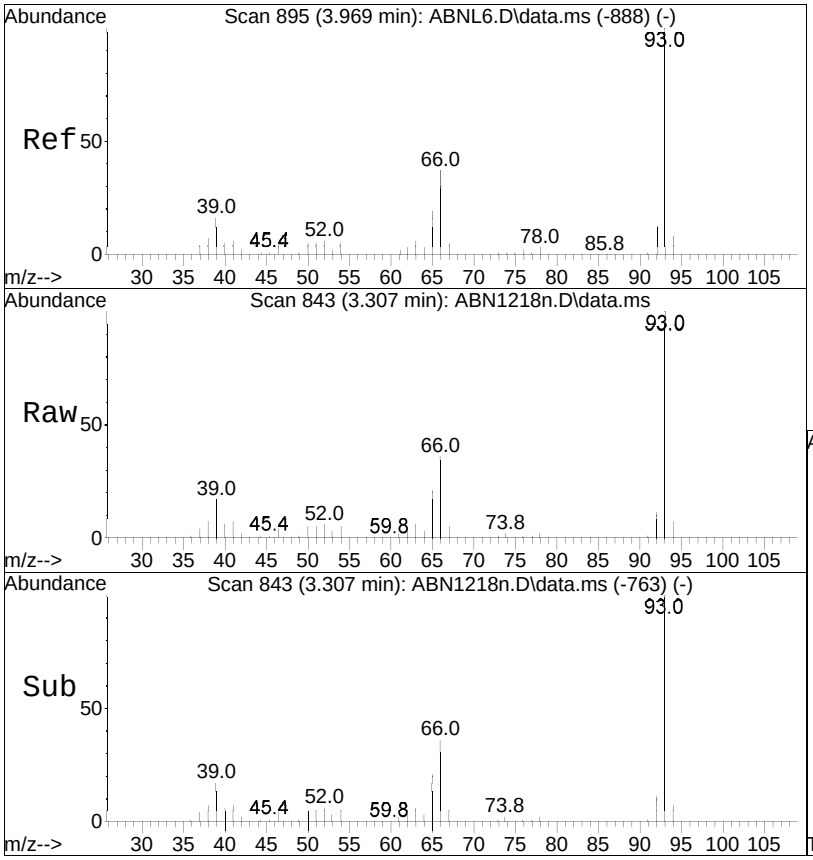


#3
Pyridine
Concen: 5.71 ug/ml
RT: 1.029 min Scan# 110
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 79 Resp: 35948

Ion	Ratio	Lower	Upper
79	100		
52	73.8	93.1	139.7#

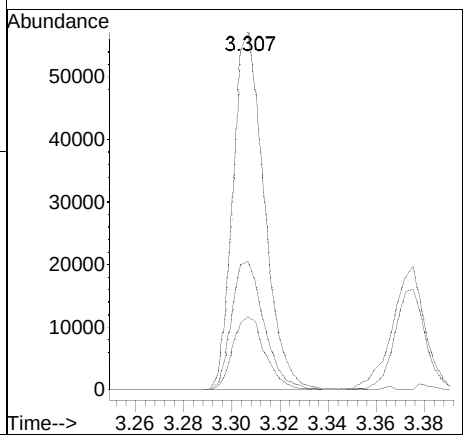


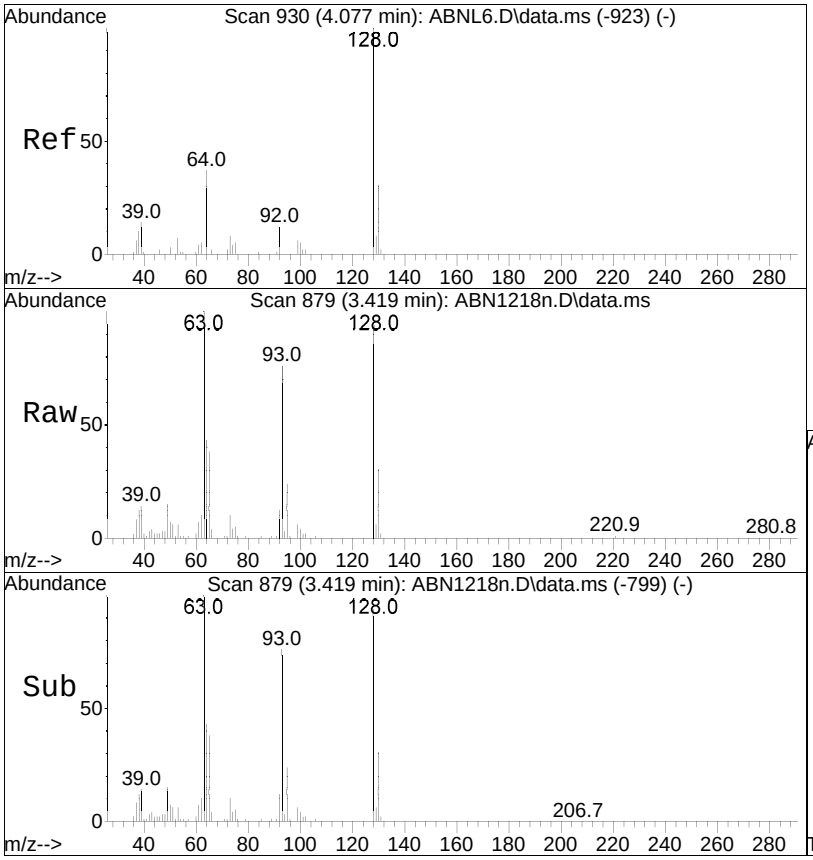


#5
Aniline
Concen: 4.99 ug/ml
RT: 3.307 min Scan# 843
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 93 Resp: 51569

Ion	Ratio	Lower	Upper
93	100		
66	37.3	32.6	49.0
65	21.1	17.6	26.4

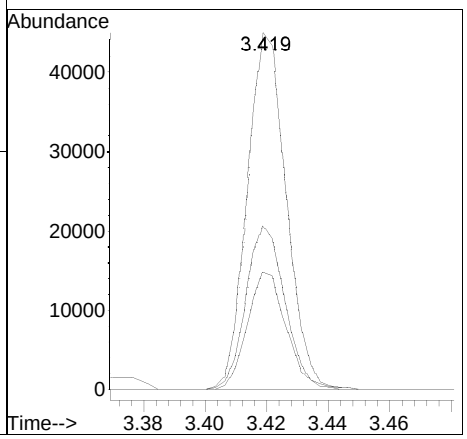


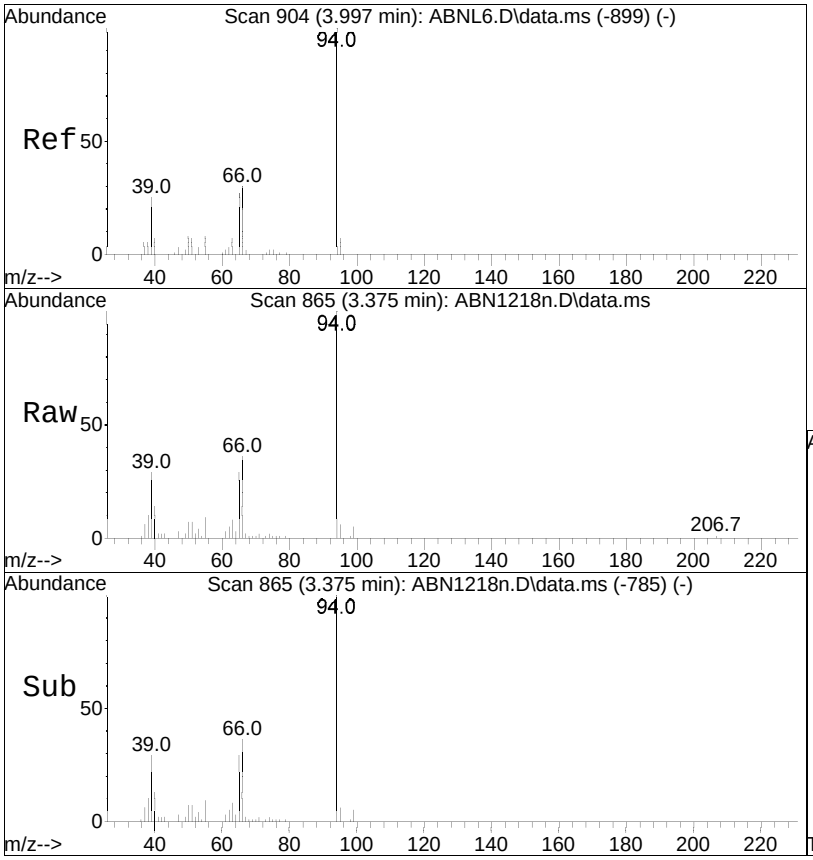


#6
2-Chlorophenol
Concen: 4.89 ug/ml
RT: 3.419 min Scan# 879
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:128 Resp: 39526

Ion	Ratio	Lower	Upper
128	100		
64	46.1	45.1	67.7
130	32.7	26.2	39.4

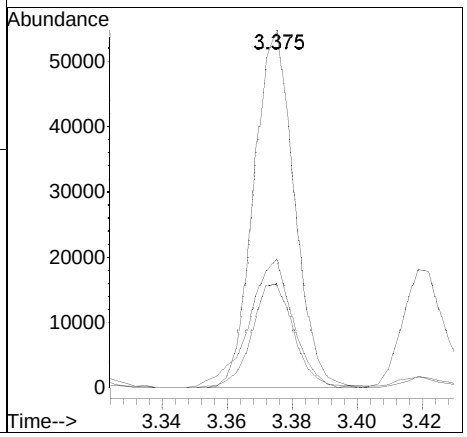


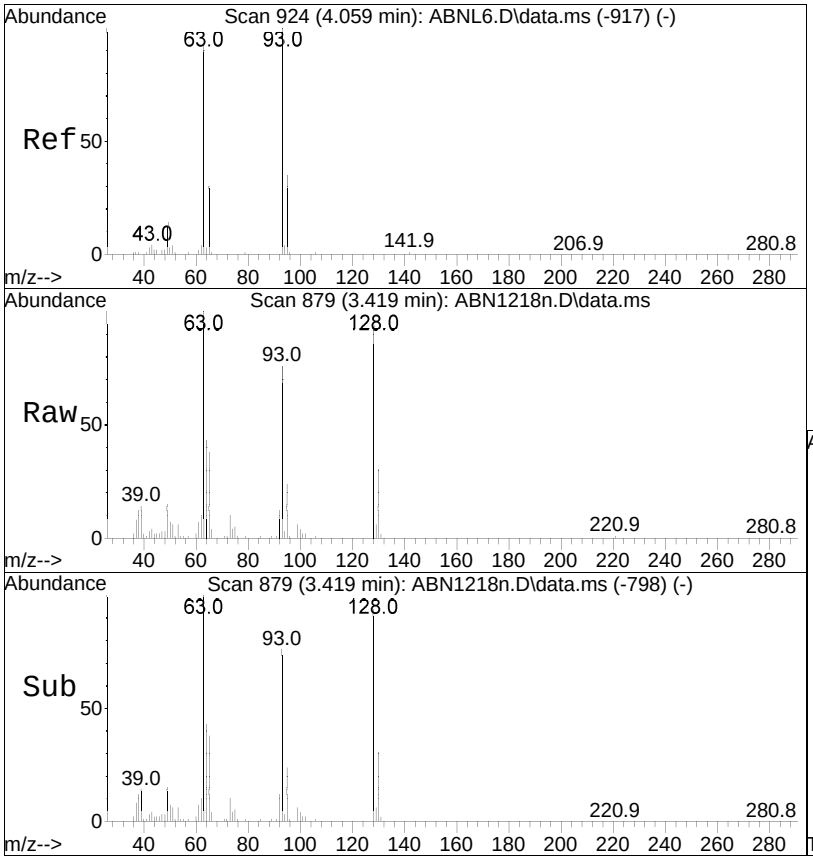


#8
Phenol
Concen: 5.02 ug/ml
RT: 3.375 min Scan# 865
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 94 Resp: 47068

Ion	Ratio	Lower	Upper
94	100		
65	30.2	26.0	39.0
66	39.7	33.8	50.8

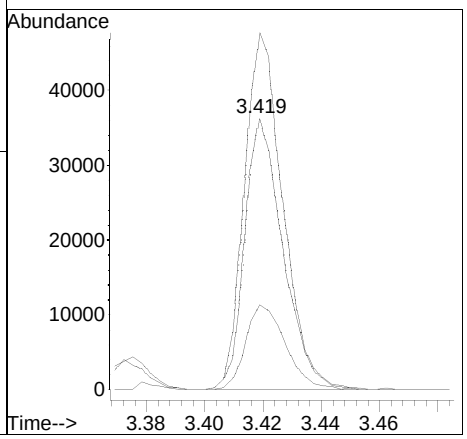


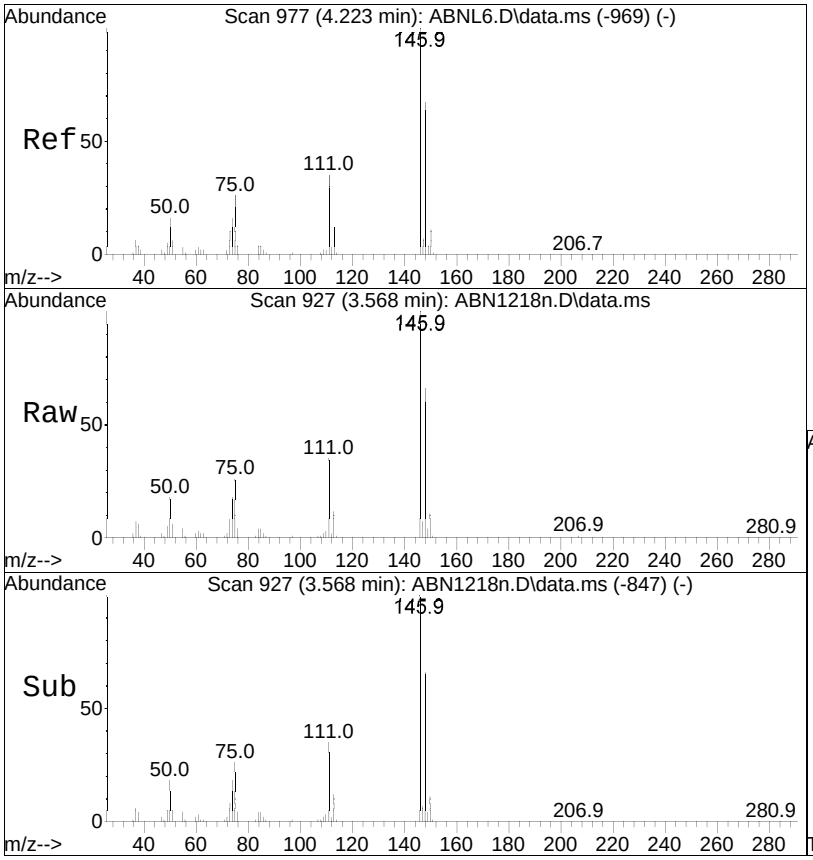


#9
Bis(2-chloroethyl)ether
Concen: 4.89 ug/ml
RT: 3.419 min Scan# 879
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 93 Resp: 32857

Ion	Ratio	Lower	Upper
93	100		
63	132.7	74.6	111.8#
95	32.7	25.9	38.9

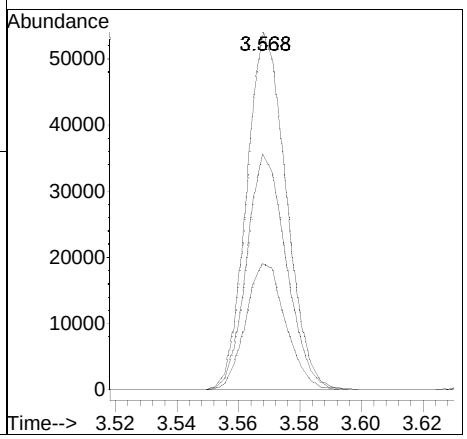


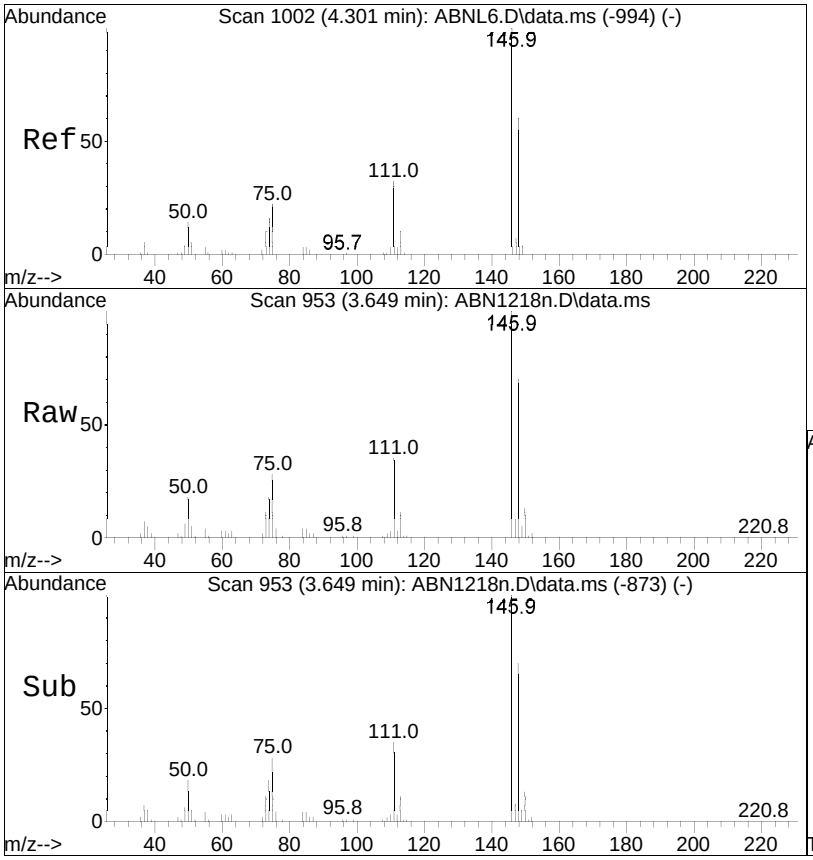


#10
1,3-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 3.568 min Scan# 927
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:146 Resp: 47889

Ion	Ratio	Lower	Upper
146	100		
111	35.8	34.3	51.5
148	66.1	50.8	76.2

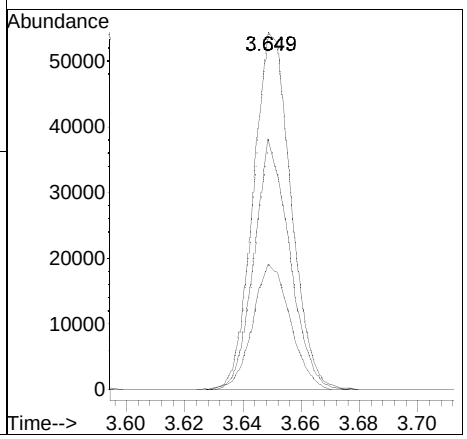


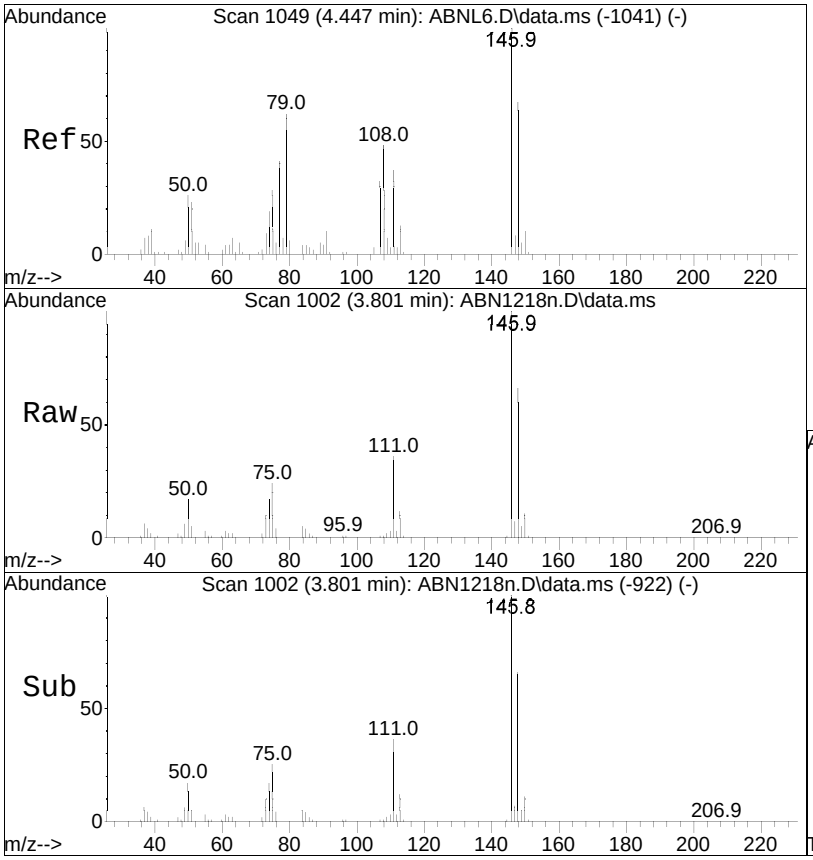


#11
1,4-Dichlorobenzene
Concen: 4.57 ug/ml
RT: 3.649 min Scan# 953
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:146 Resp: 48591

Ion	Ratio	Lower	Upper
146	100		
148	66.1	50.7	76.1
111	35.4	33.4	50.0

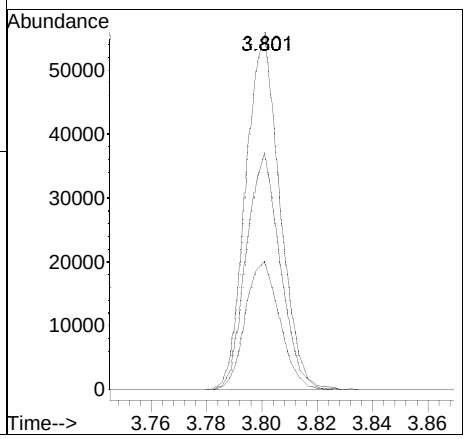


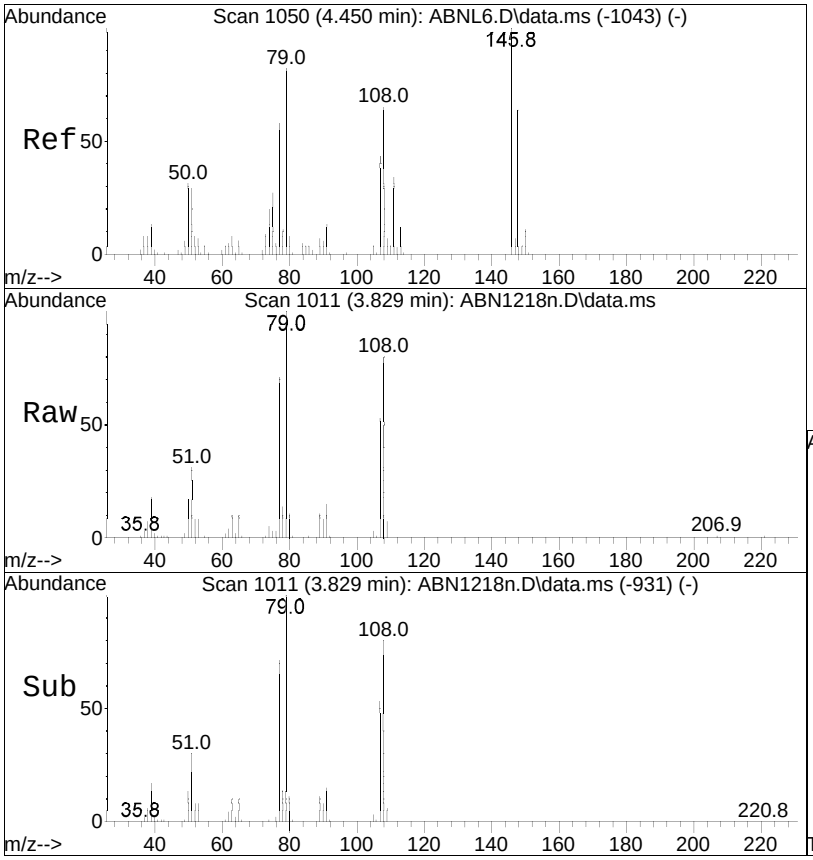


#12
1,2-Dichlorobenzene
Concen: 4.67 ug/ml
RT: 3.801 min Scan# 1002
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:146 Resp: 47272

Ion	Ratio	Lower	Upper
146	100		
111	36.5	34.6	52.0
148	66.0	50.2	75.4

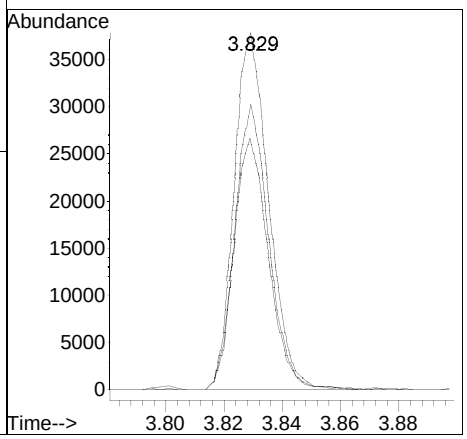


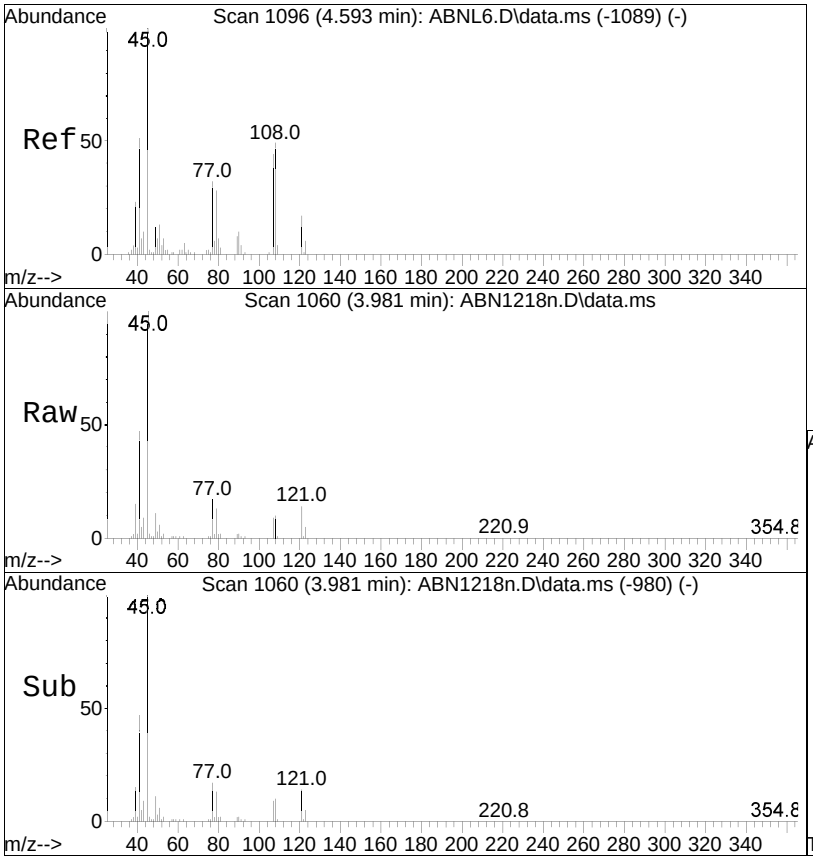


#13
Benzyl alcohol
Concen: 5.10 ug/ml
RT: 3.829 min Scan# 1011
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 79 Resp: 31286

Ion	Ratio	Lower	Upper
79	100		
77	70.4	54.9	82.3
108	78.3	63.1	94.7

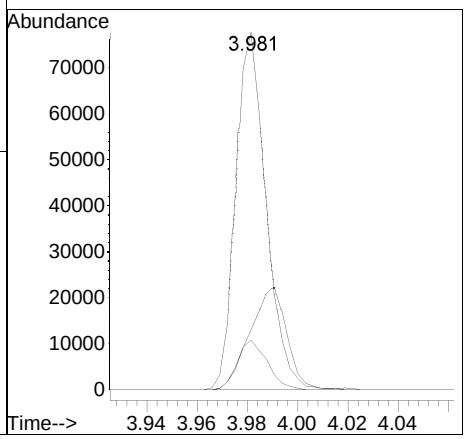


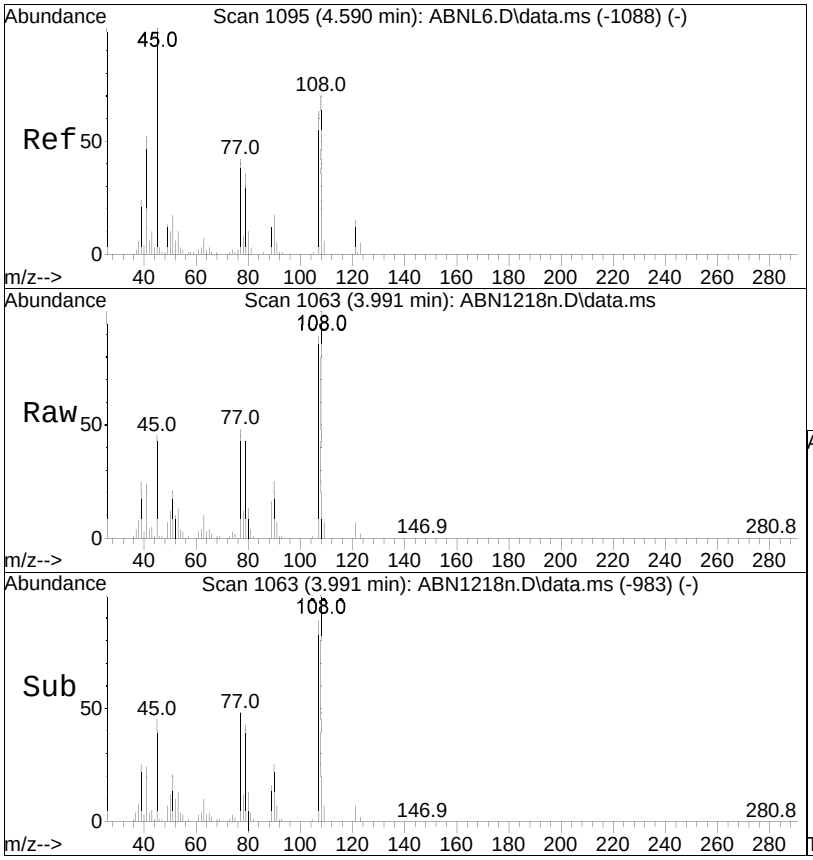


#14
Bis(2-chloroisopropyl)ether
Concen: 5.48 ug/ml
RT: 3.981 min Scan# 1060
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 45 Resp: 64898

Ion	Ratio	Lower	Upper
45	100		
121	13.6	9.8	14.6
77	34.6	6.1	9.1#

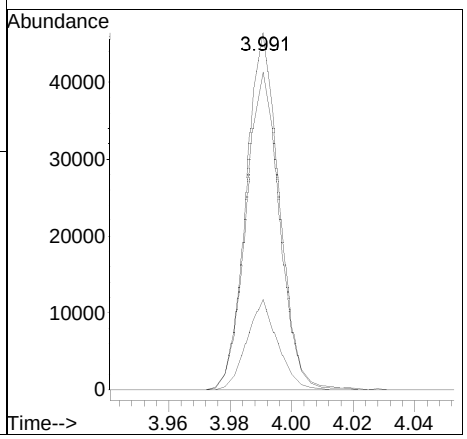


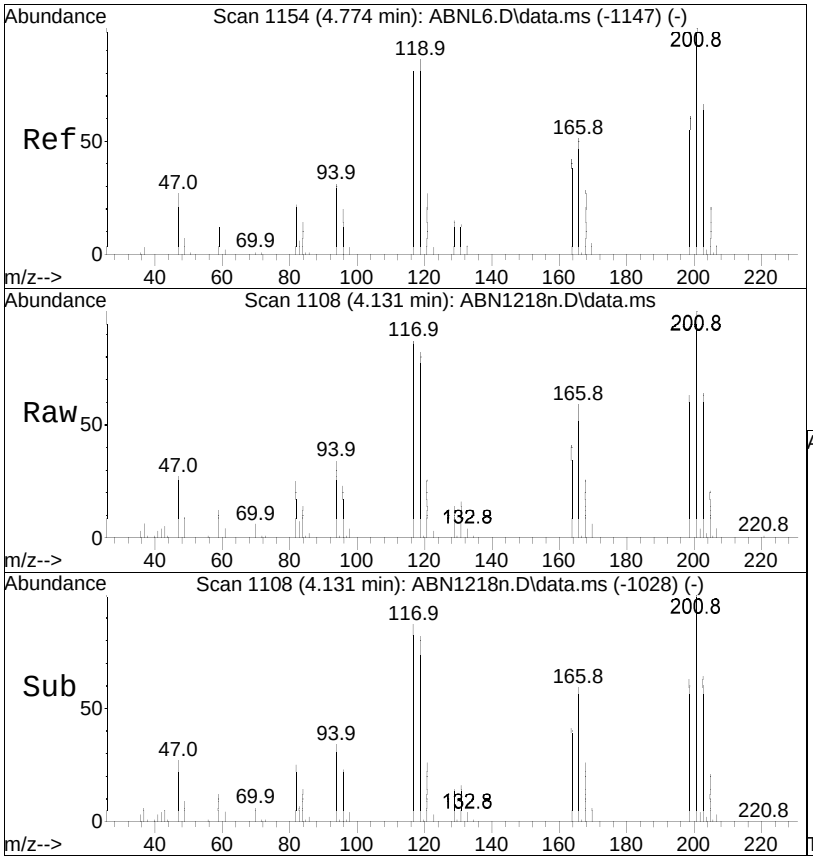


#15
2-Methylphenol
Concen: 4.89 ug/ml
RT: 3.991 min Scan# 1063
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:108 Resp: 34800

Ion	Ratio	Lower	Upper
108	100		
107	90.2	70.7	106.1
90	23.5	18.7	28.1

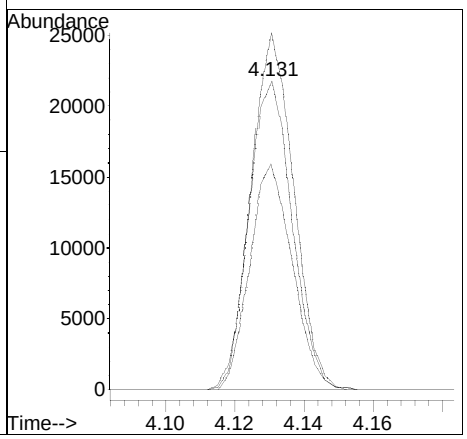


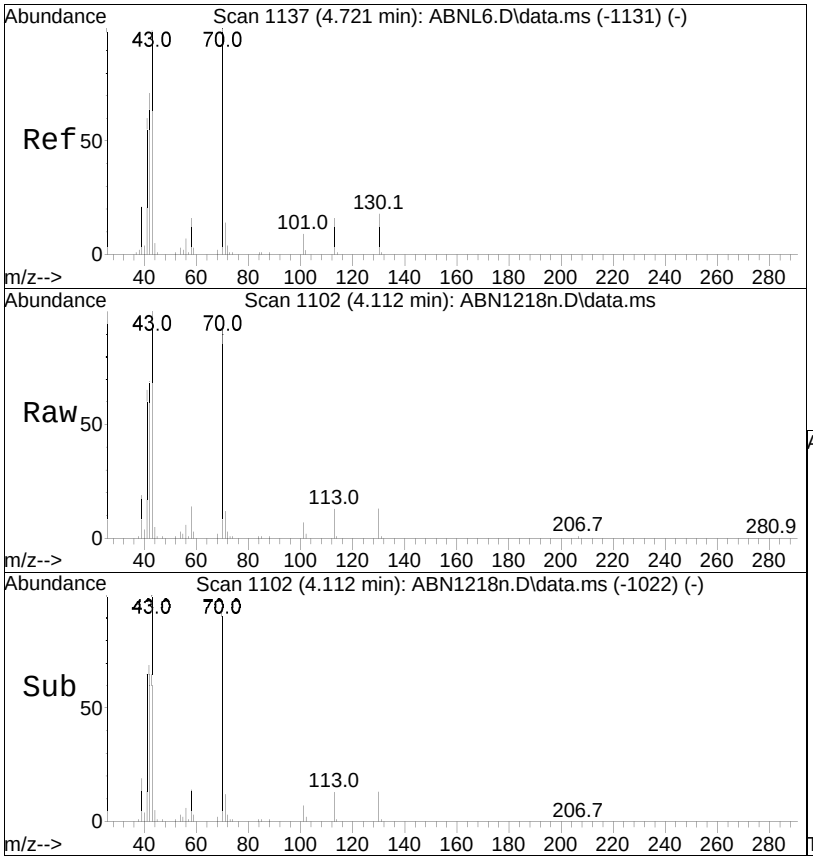


#16
Hexachloroethane
Concen: 4.86 ug/ml
RT: 4.131 min Scan# 1108
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:117 Resp: 18900

Ion	Ratio	Lower	Upper
117	100		
201	113.5	58.6	87.8#
199	71.9	36.9	55.3#

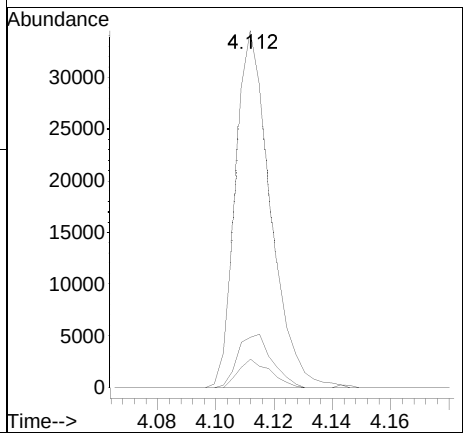


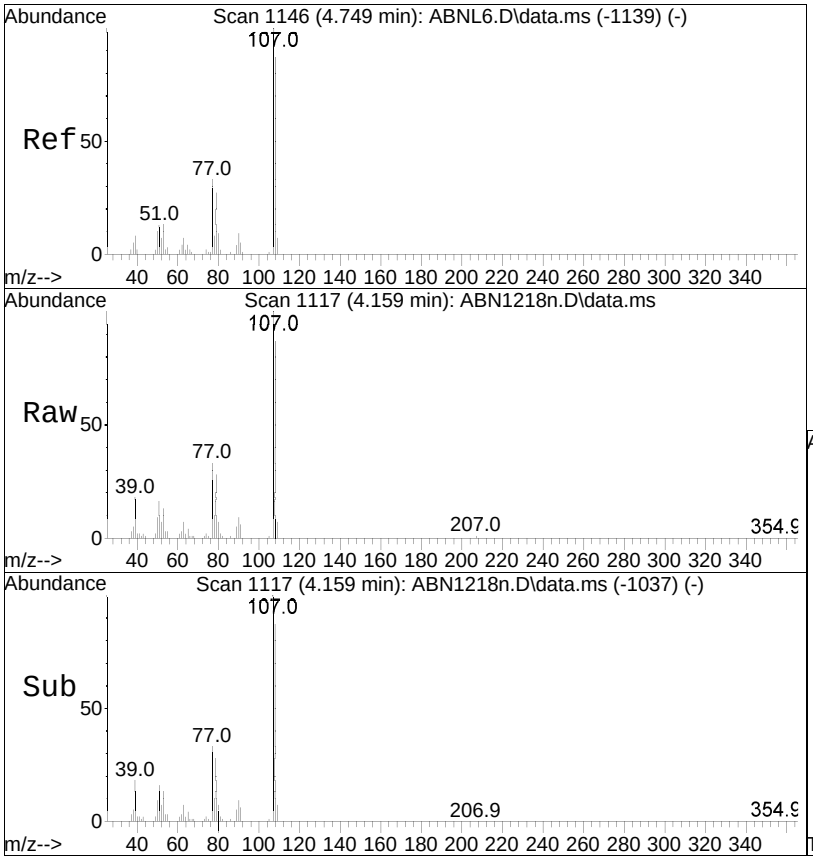


#17
n-Nitrosodi-n-propylamine
Concen: 5.05 ug/ml
RT: 4.112 min Scan# 1102
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 70 Resp: 28751

Ion	Ratio	Lower	Upper
70	100		
130	14.6	18.2	27.4#
101	7.2	7.8	11.8#

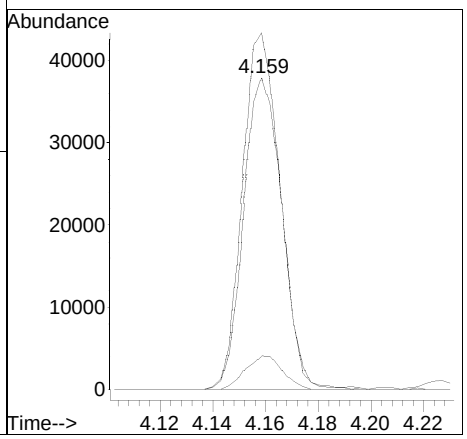


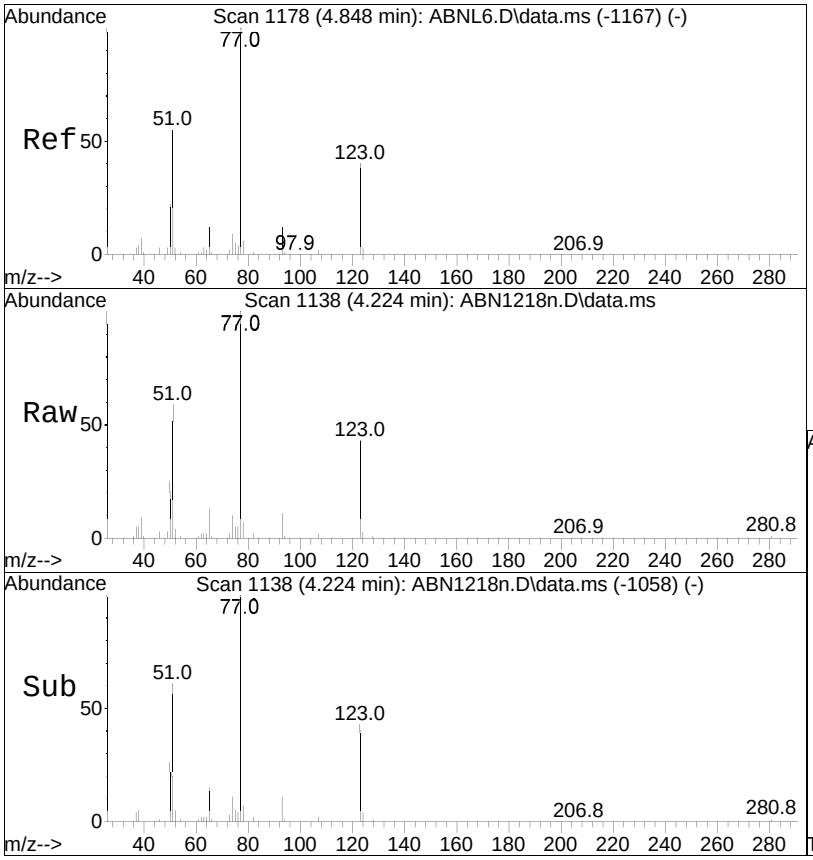


#18
3-Methylphenol/4-Methylphenol
Concen: 4.92 ug/ml
RT: 4.159 min Scan# 1117
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:108 Resp: 38387

Ion	Ratio	Lower	Upper
108	100		
107	112.0	88.6	132.8
90	10.4	8.8	13.2

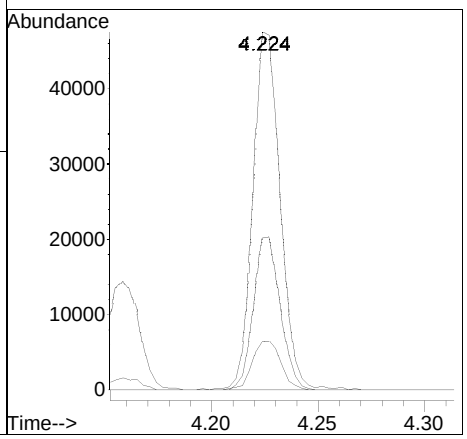


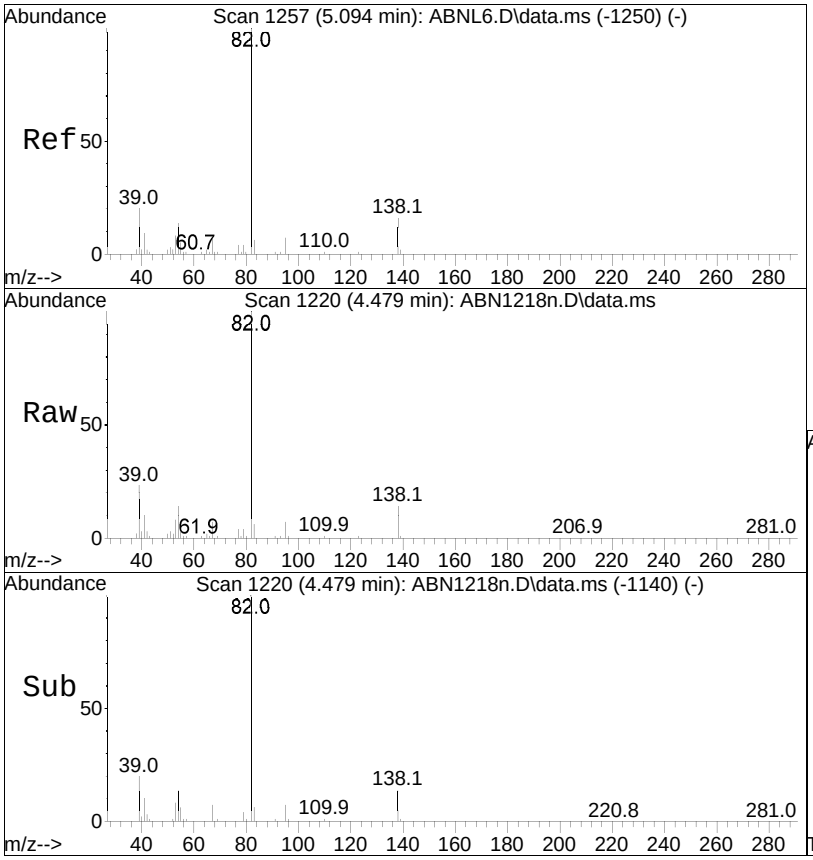


#20
Nitrobenzene
Concen: 5.21 ug/ml
RT: 4.224 min Scan# 1138
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 77 Resp: 42036

Ion	Ratio	Lower	Upper
77	100		
123	42.2	36.3	54.5
65	14.3	11.6	17.4

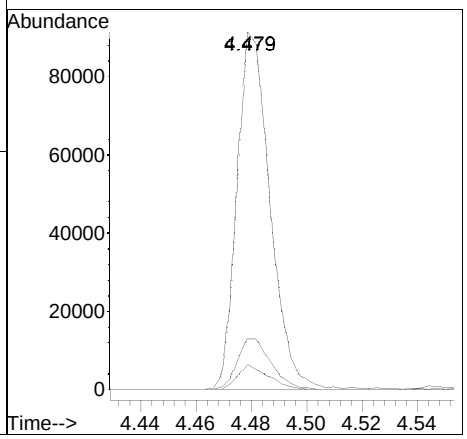


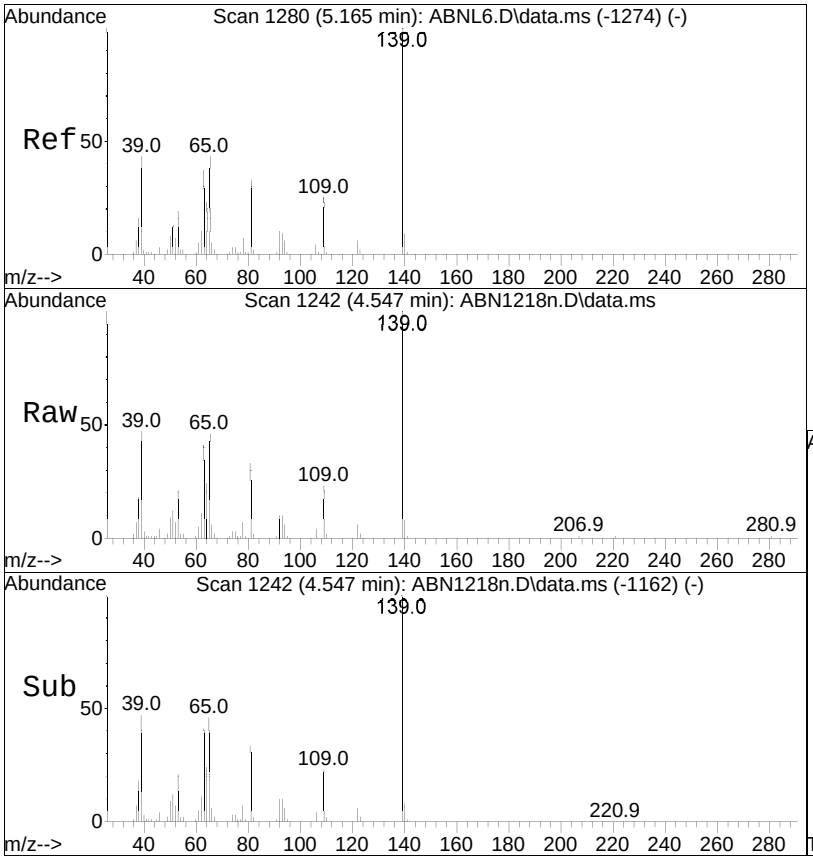


#21
Isophorone
Concen: 5.08 ug/ml
RT: 4.479 min Scan# 1220
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 82 Resp: 75362

Ion	Ratio	Lower	Upper
82	100		
138	14.6	14.7	22.1#
95	6.4	5.2	7.8

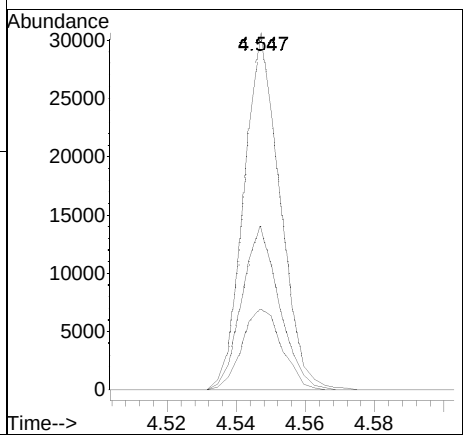


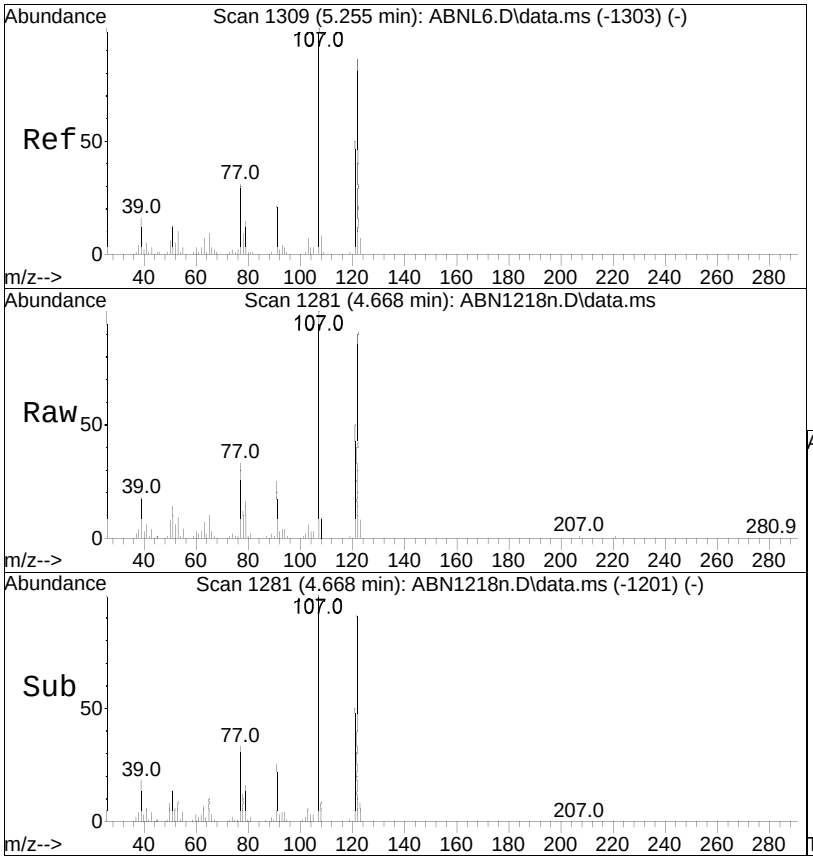


#22
2-Nitrophenol
Concen: 5.41 ug/ml
RT: 4.547 min Scan# 1242
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:139 Resp: 22098

Ion	Ratio	Lower	Upper
139	100		
109	25.0	19.4	29.0
65	47.5	46.1	69.1

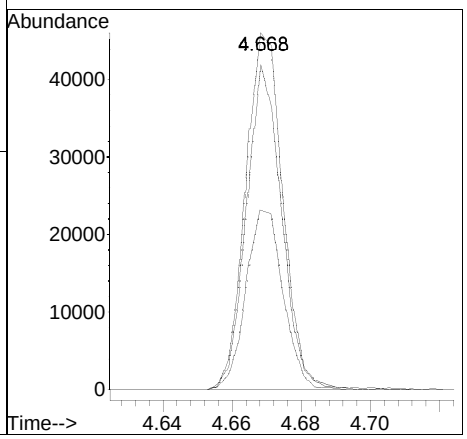


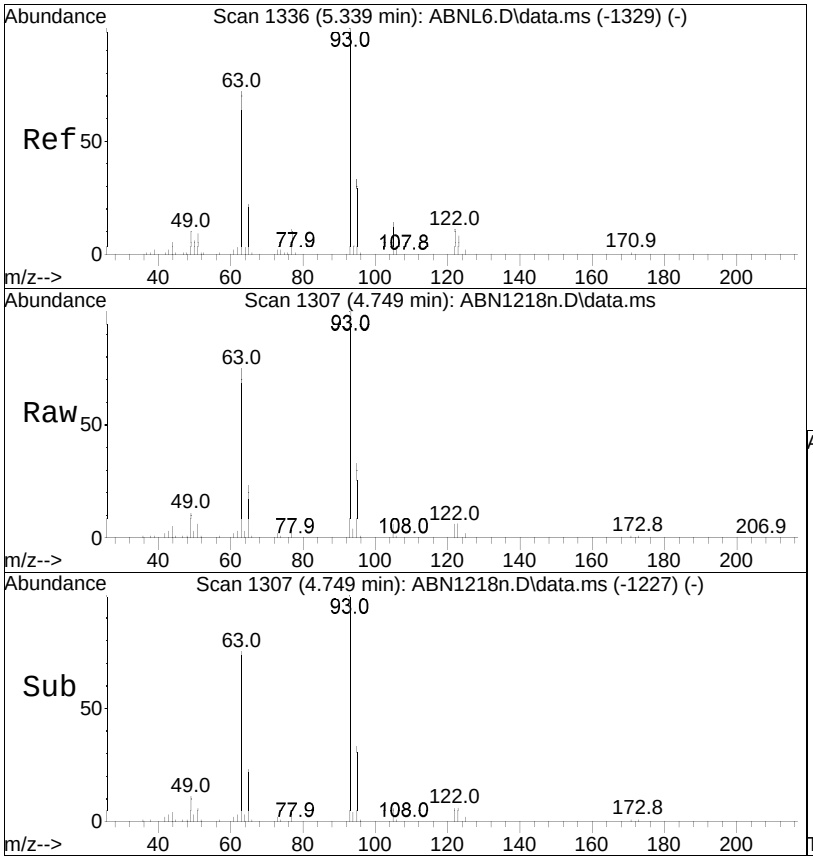


#23
2,4-Dimethylphenol
Concen: 4.73 ug/ml
RT: 4.668 min Scan# 1281
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:107 Resp: 34346

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	85.5	70.2	105.4

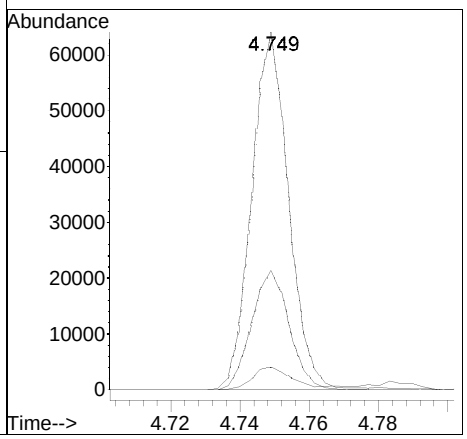


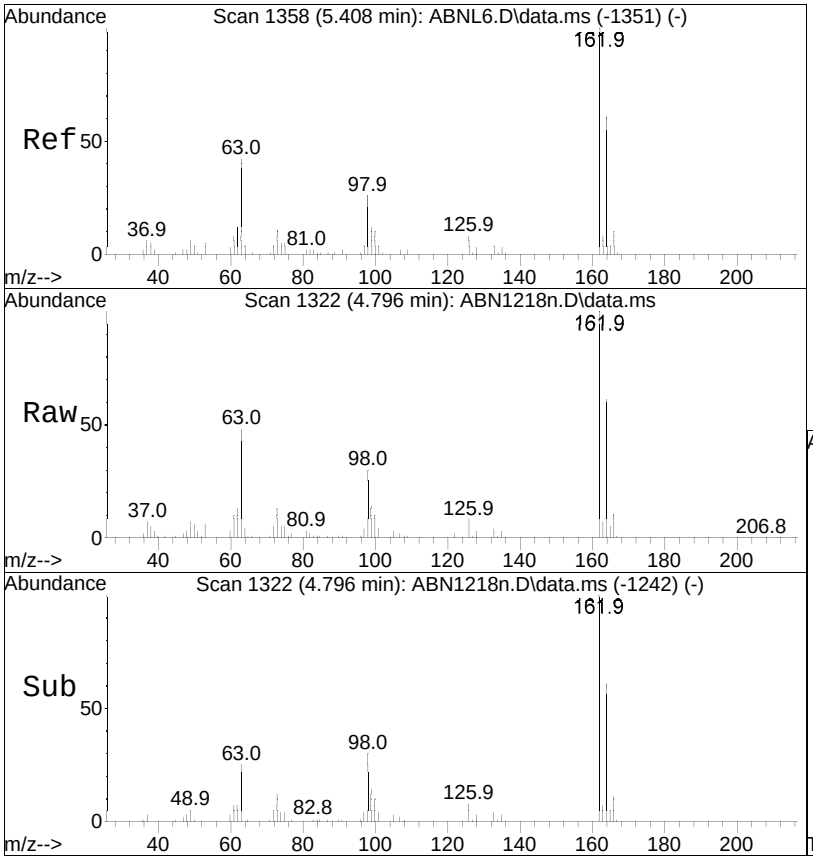


#24
Bis(2-chloroethoxy)methane
Concen: 5.07 ug/ml
RT: 4.749 min Scan# 1307
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 93 Resp: 46881

Ion	Ratio	Lower	Upper
93	100		
95	34.1	25.8	38.8
123	7.0	10.1	15.1#

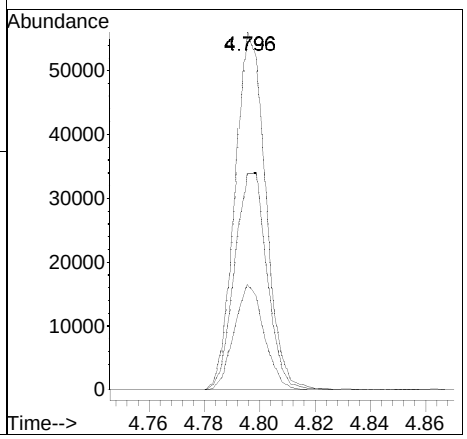


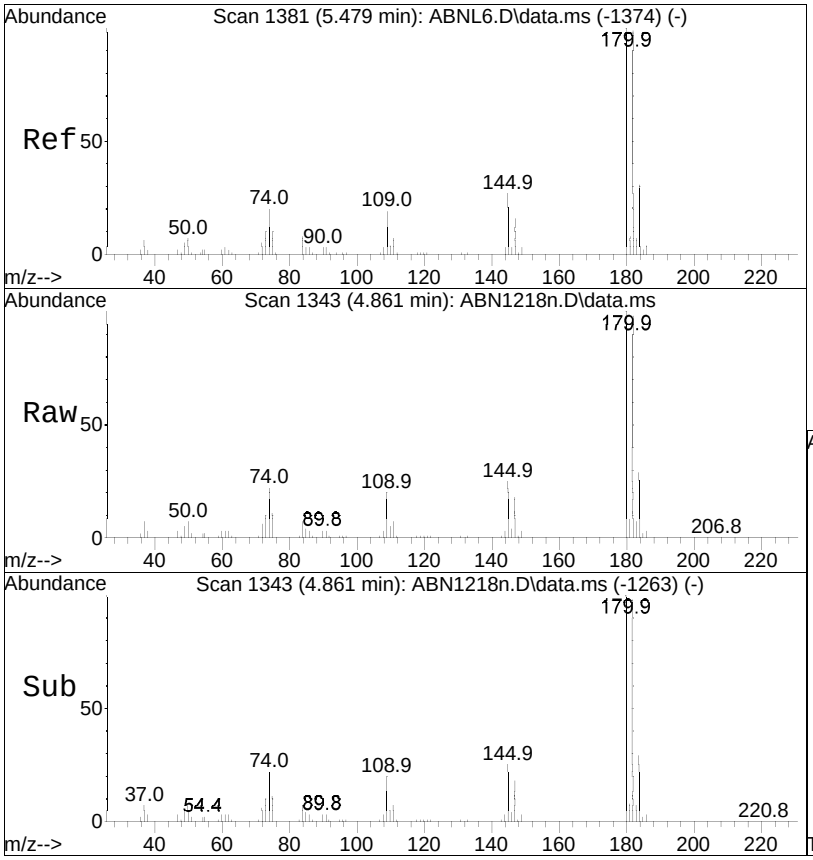


#25
2,4-Dichlorophenol
Concen: 5.07 ug/ml
RT: 4.796 min Scan# 1322
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:162 Resp: 42992

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.0	76.4
98	28.7	32.2	48.2#

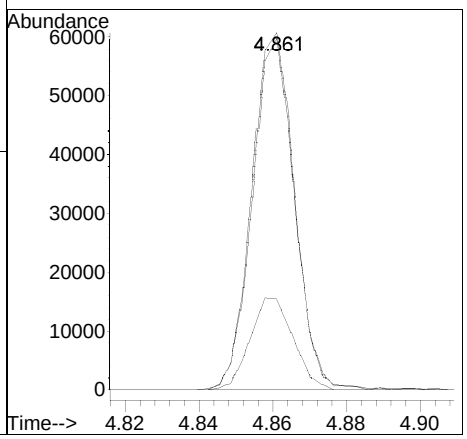


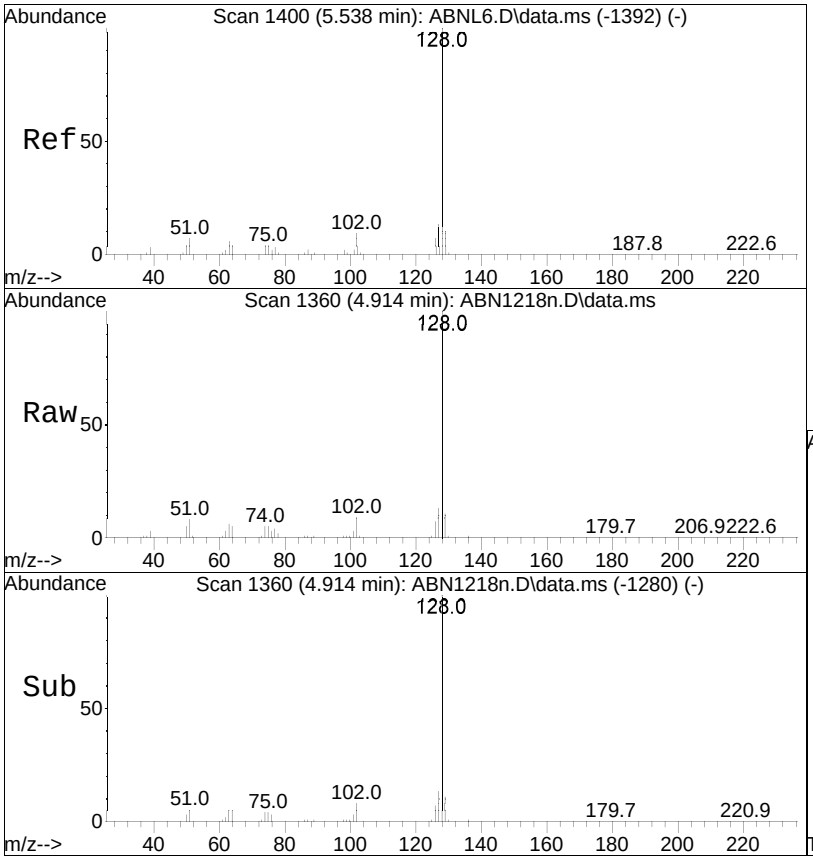


#26
1,2,4-Trichlorobenzene
Concen: 4.75 ug/ml
RT: 4.861 min Scan# 1343
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:180 Resp: 48709

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
145	26.0	25.7	38.5

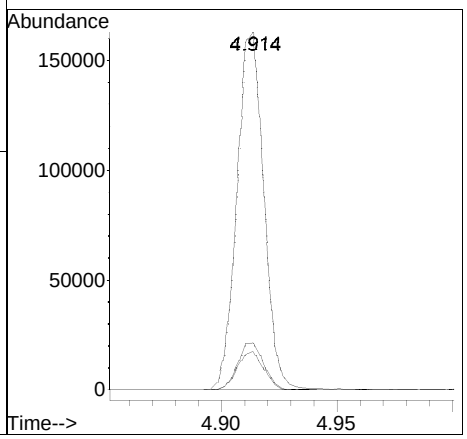


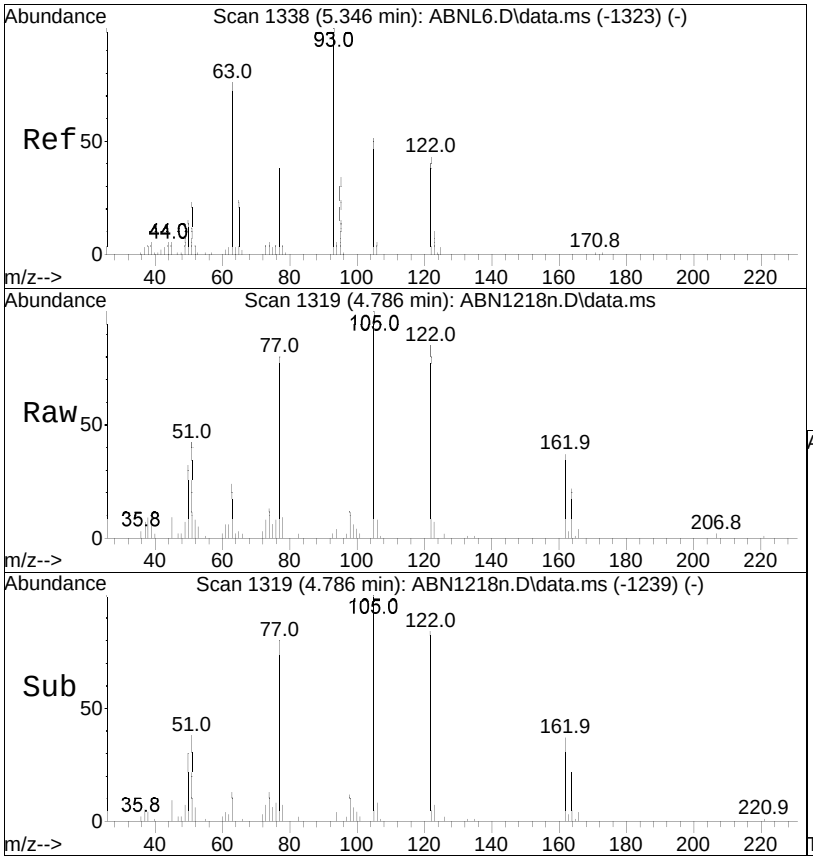


#38
Naphthalene
Concen: 4.65 ug/ml
RT: 4.914 min Scan# 1360
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:128 Resp: 130967

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.0	10.3	15.5

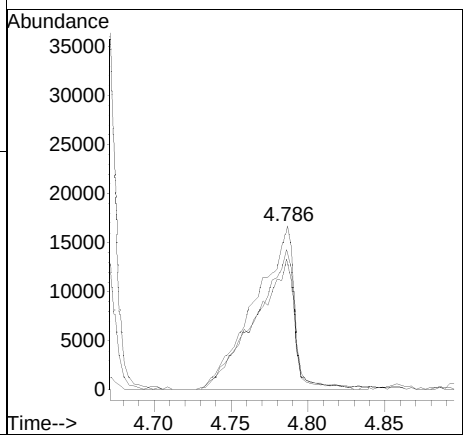


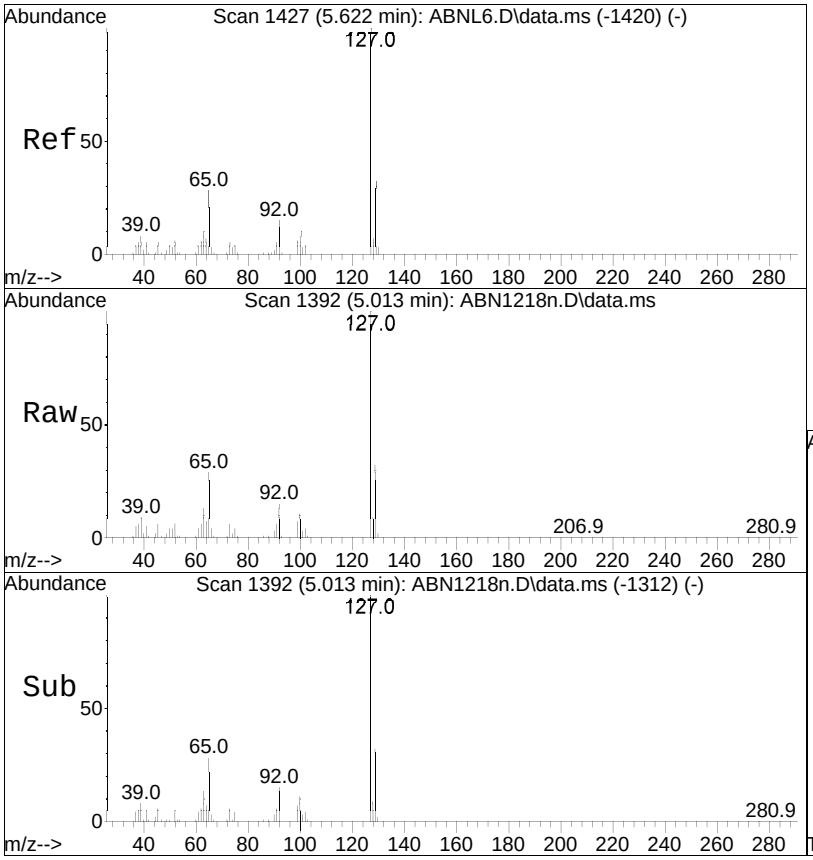


#39
Benzoic Acid
Concen: 5.17 ug/ml
RT: 4.786 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:105 Resp: 30186

Ion	Ratio	Lower	Upper
105	100		
122	84.3	59.9	89.9
77	80.6	60.1	90.1

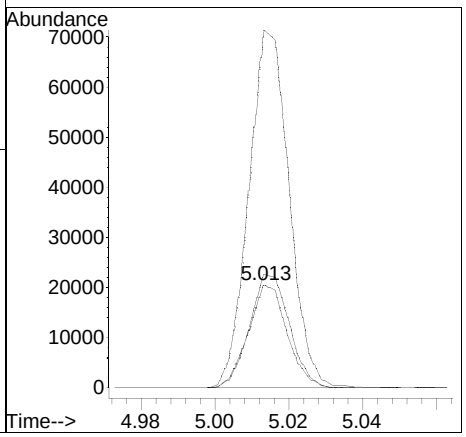


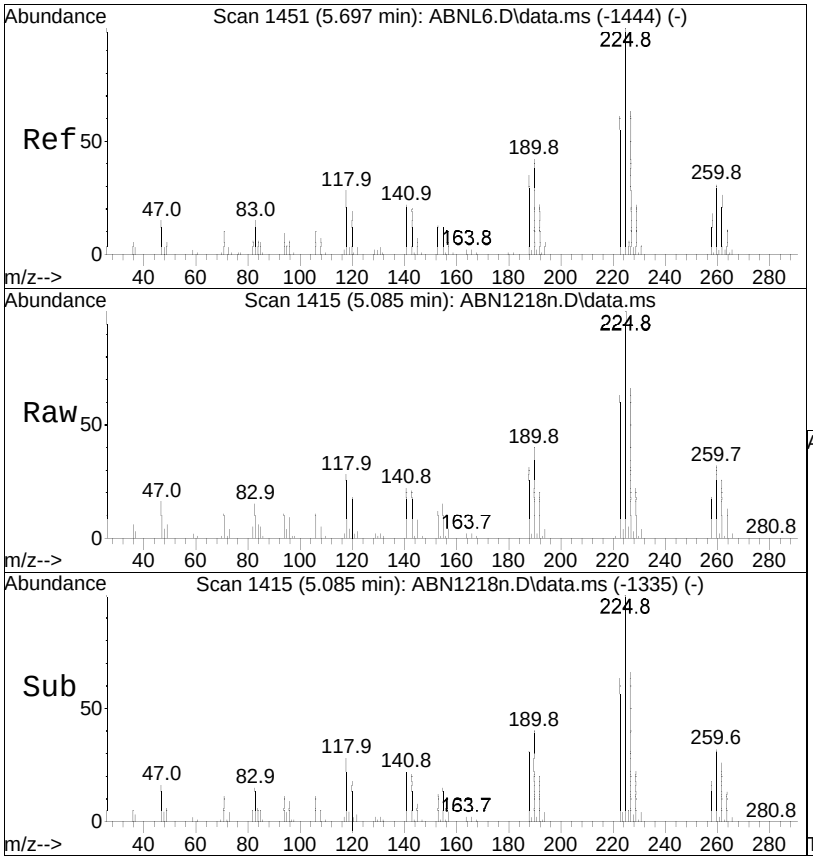


#40
4-Chloroaniline
Concen: 4.85 ug/ml
RT: 5.013 min Scan# 1392
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 65 Resp: 15038

Ion	Ratio	Lower	Upper
65	100		
127	357.6	237.6	356.4#
129	112.8	76.3	114.5

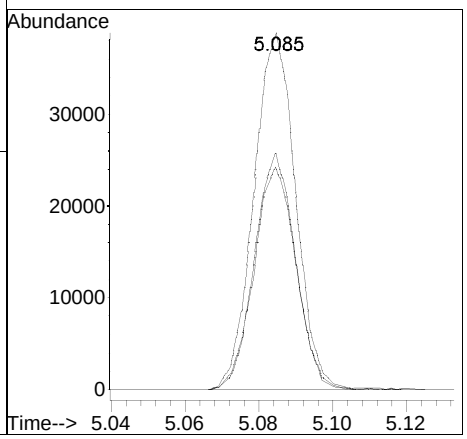


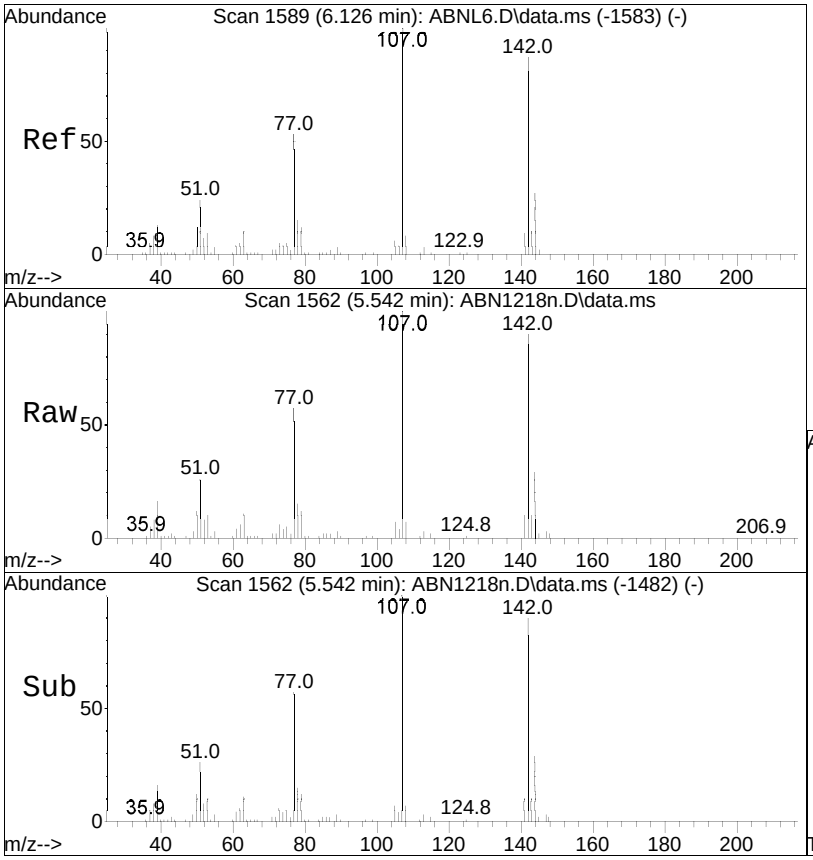


#41
Hexachlorobutadiene
Concen: 4.60 ug/ml
RT: 5.085 min Scan# 1415
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:225 Resp: 30474

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.3	75.5
227	65.4	52.2	78.2

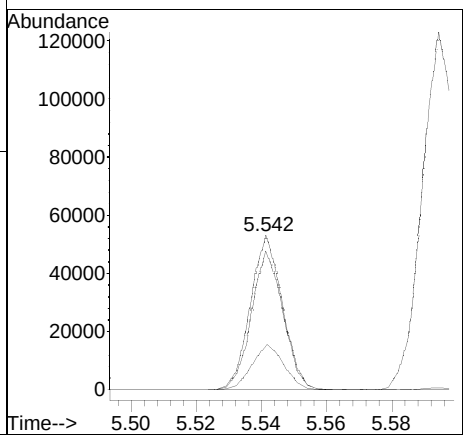


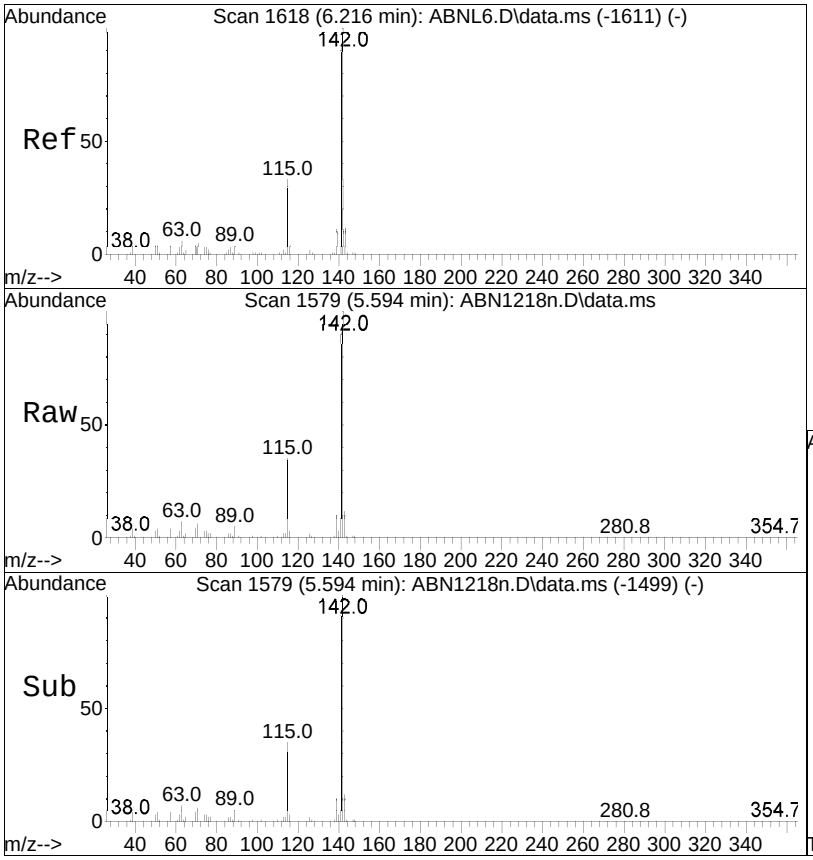


#42
p-Chloro-m-cresol
Concen: 4.92 ug/ml
RT: 5.542 min Scan# 1562
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:107 Resp: 36525

Ion	Ratio	Lower	Upper
107	100		
144	29.2	20.9	31.3
142	88.3	66.1	99.1

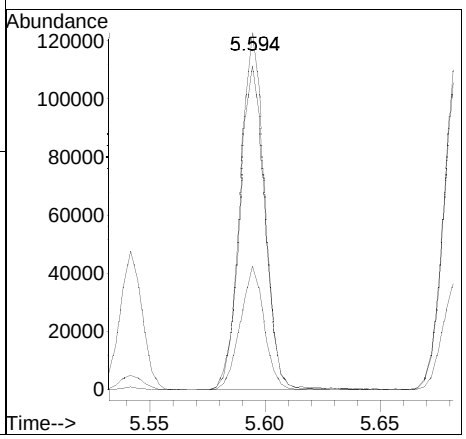


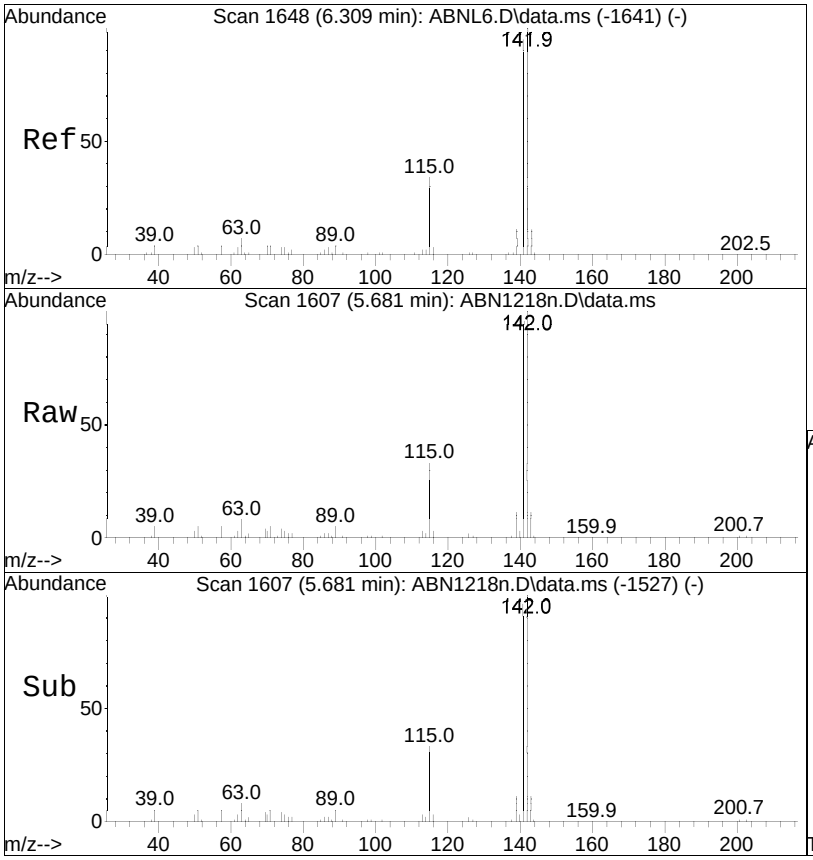


#43
2-Methylnaphthalene
Concen: 4.68 ug/ml
RT: 5.594 min Scan# 1579
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:142 Resp: 91253

Ion	Ratio	Lower	Upper
142	100		
141	91.7	69.6	104.4
115	33.5	26.6	40.0

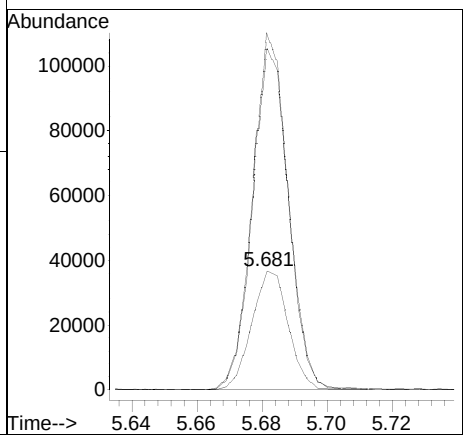


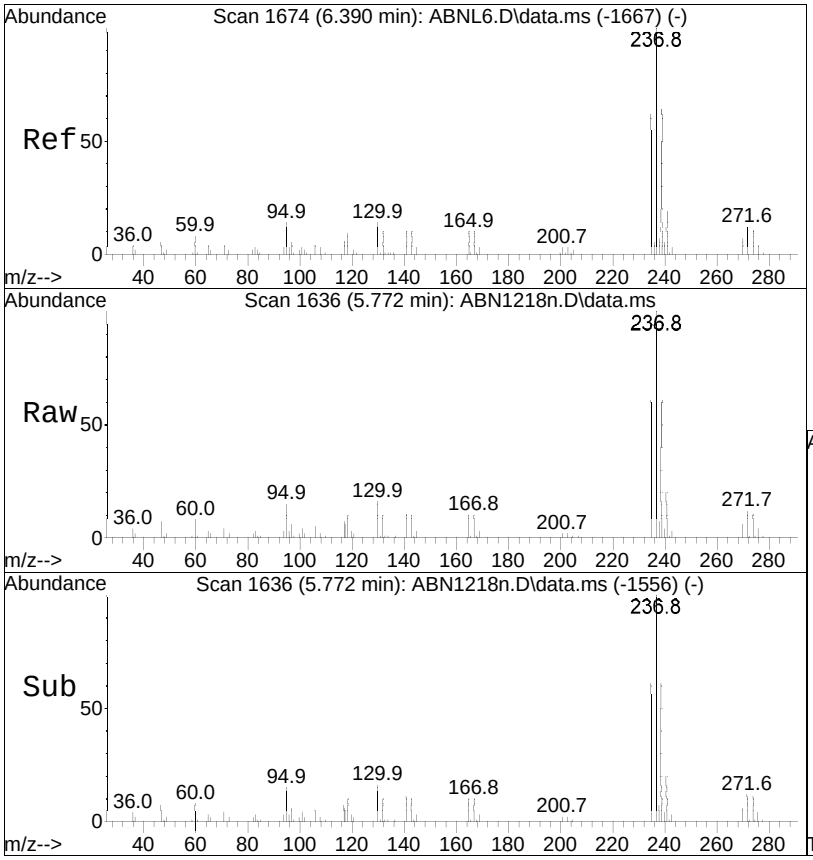


#44
1-Methylnaphthalene
Concen: 4.65 ug/ml
RT: 5.681 min Scan# 1607
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:115 Resp: 28826

Ion	Ratio	Lower	Upper
115	100		
141	281.0	207.8	311.6
142	289.3	226.8	340.2

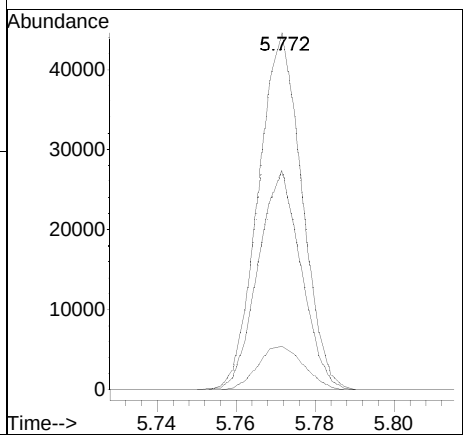


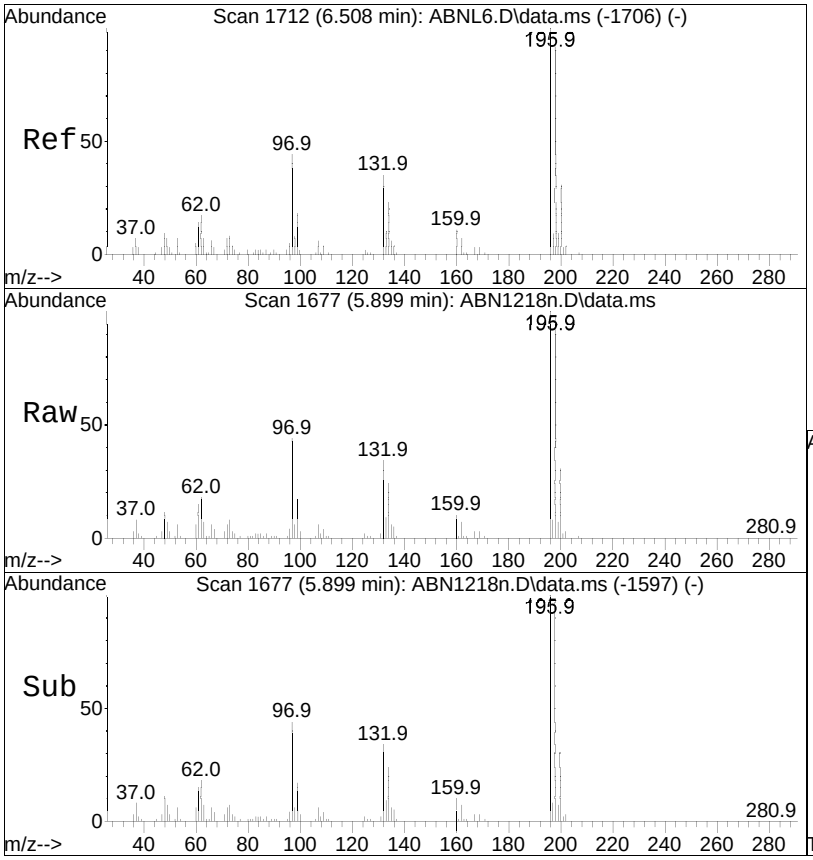


#45
Hexachlorocyclopentadiene
Concen: 4.87 ug/ml
RT: 5.772 min Scan# 1636
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:237 Resp: 33938

Ion	Ratio	Lower	Upper
237	100		
235	61.1	49.7	74.5
272	13.0	9.8	14.6

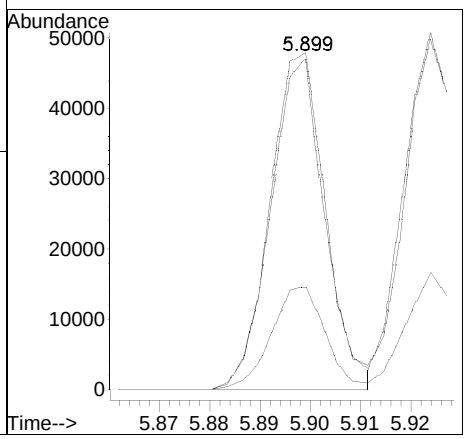


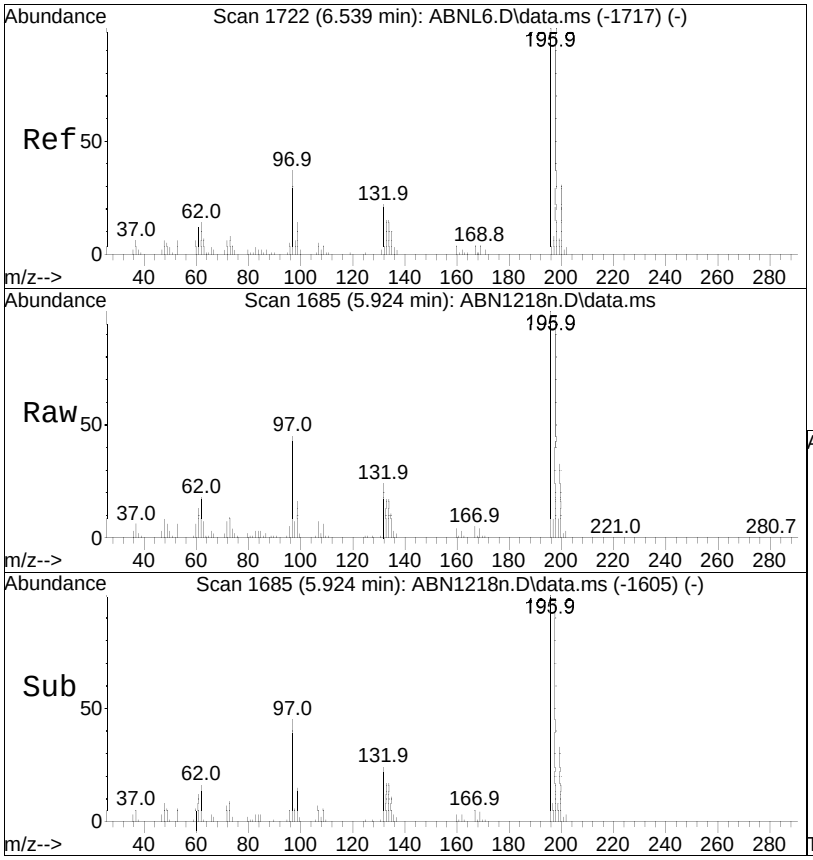


#46
2,4,6-Trichlorophenol
Concen: 4.98 ug/ml
RT: 5.899 min Scan# 1677
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:196 Resp: 36594

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.5	116.3
200	29.9	23.8	35.6

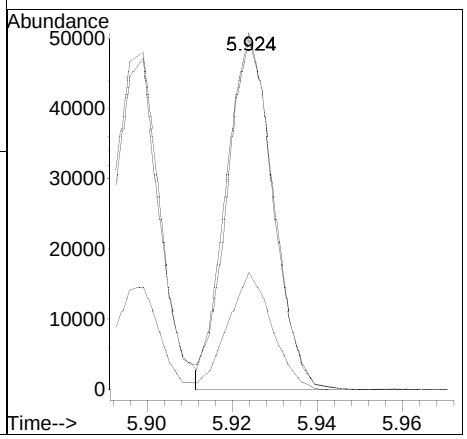


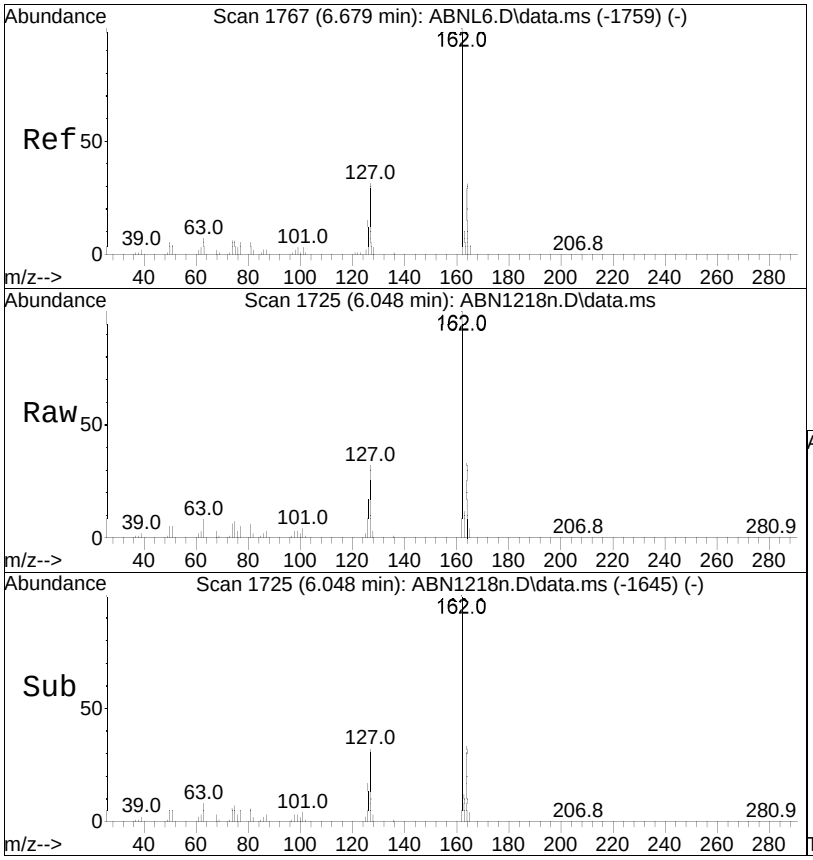


#47
2,4,5-Trichlorophenol
Concen: 4.73 ug/ml
RT: 5.924 min Scan# 1685
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:196 Resp: 38813

Ion	Ratio	Lower	Upper
196	100		
200	31.0	25.4	38.0
198	95.7	78.0	117.0

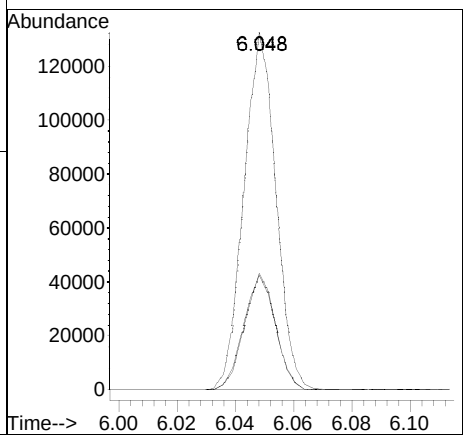


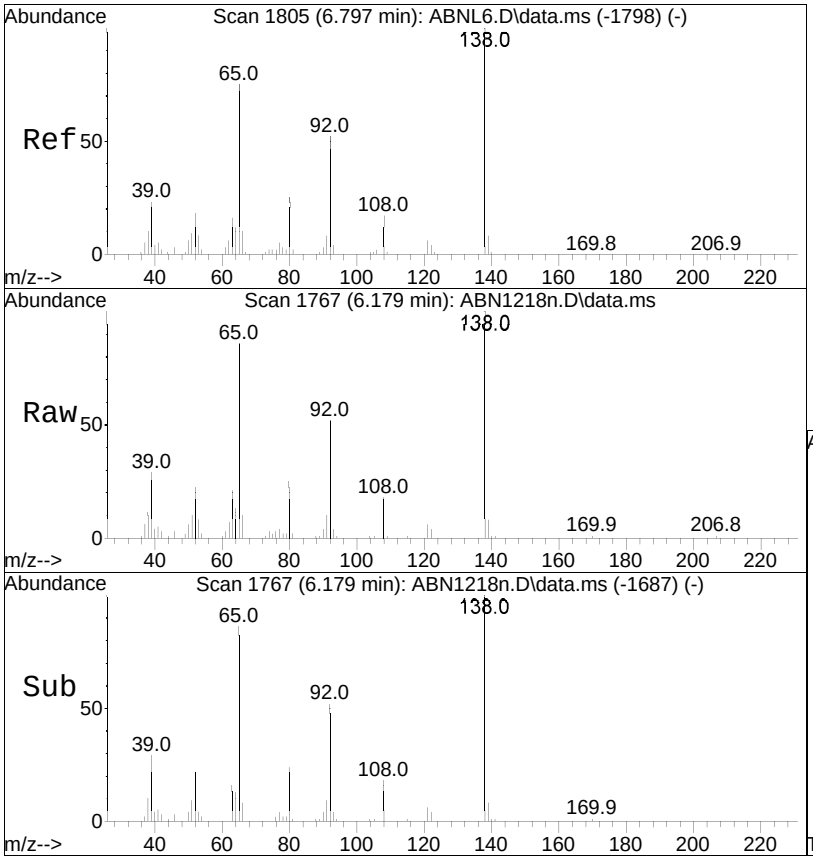


#49
2-Chloronaphthalene
Concen: 4.62 ug/ml
RT: 6.048 min Scan# 1725
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:162 Resp: 100857

Ion	Ratio	Lower	Upper
162	100		
127	32.1	32.2	48.4#
164	31.6	25.7	38.5

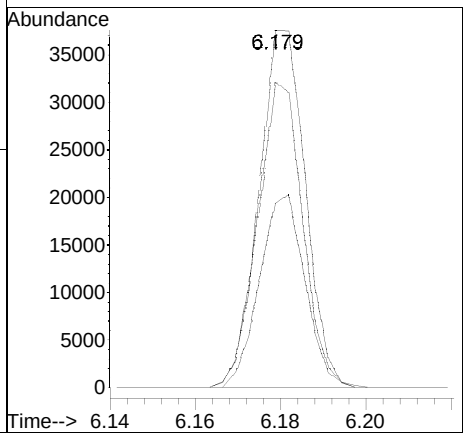


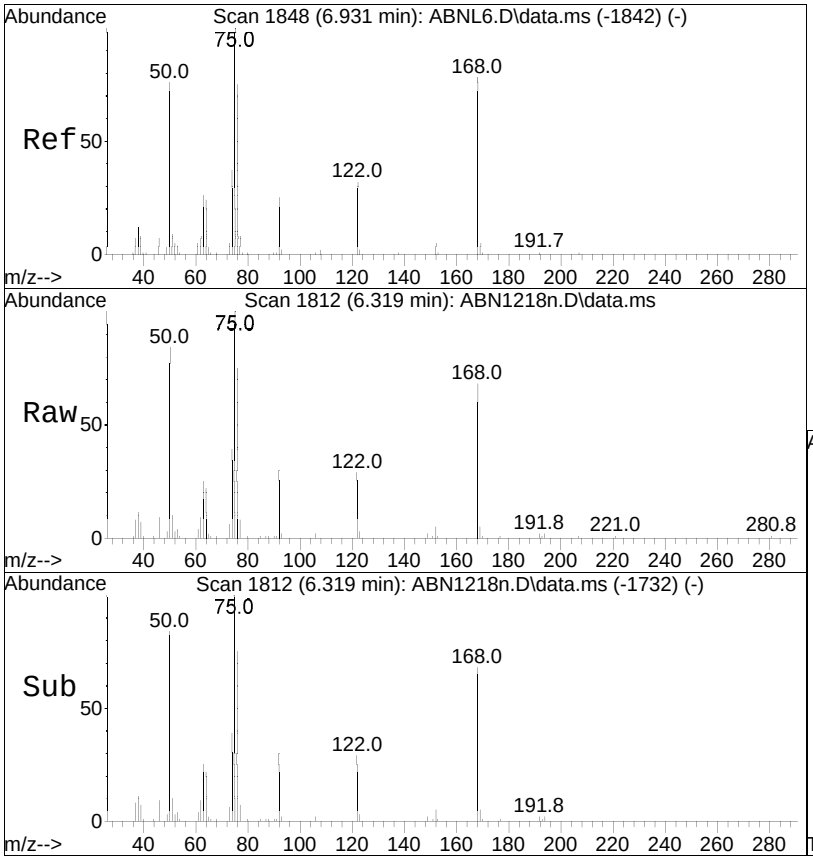


#50
2-Nitroaniline
Concen: 5.05 ug/ml
RT: 6.179 min Scan# 1767
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:138 Resp: 28204

Ion	Ratio	Lower	Upper
138	100		
92	53.1	53.5	80.3#
65	83.3	86.3	129.5#

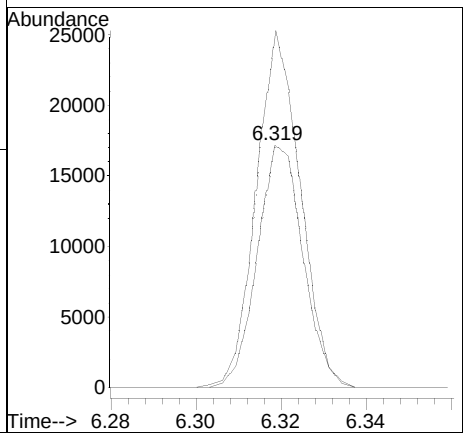


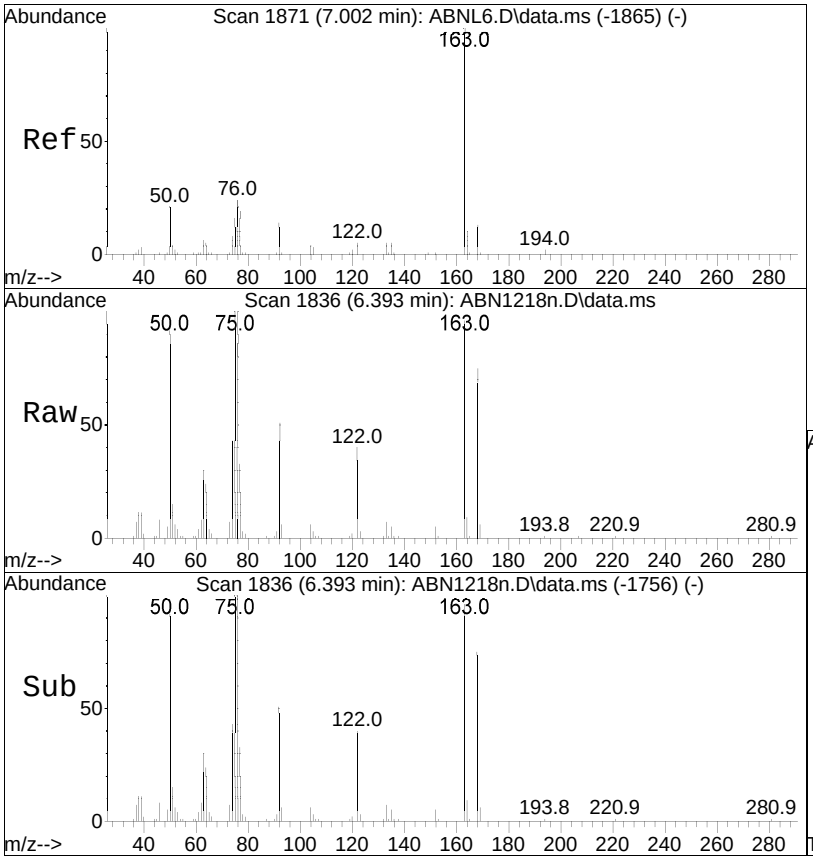


#51
1,4-Dinitrobenzene
Concen: 5.26 ug/ml
RT: 6.319 min Scan# 1812
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:168 Resp: 12772

Ion	Ratio	Lower	Upper
168	100		
75	141.9	121.8	182.8

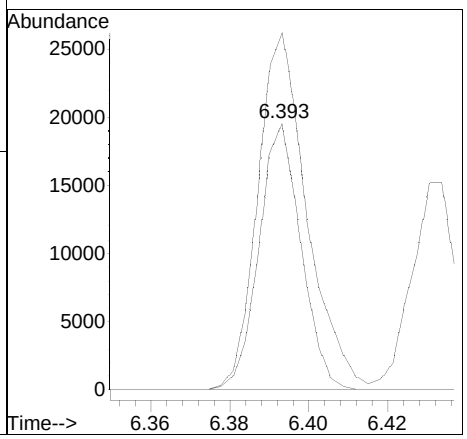


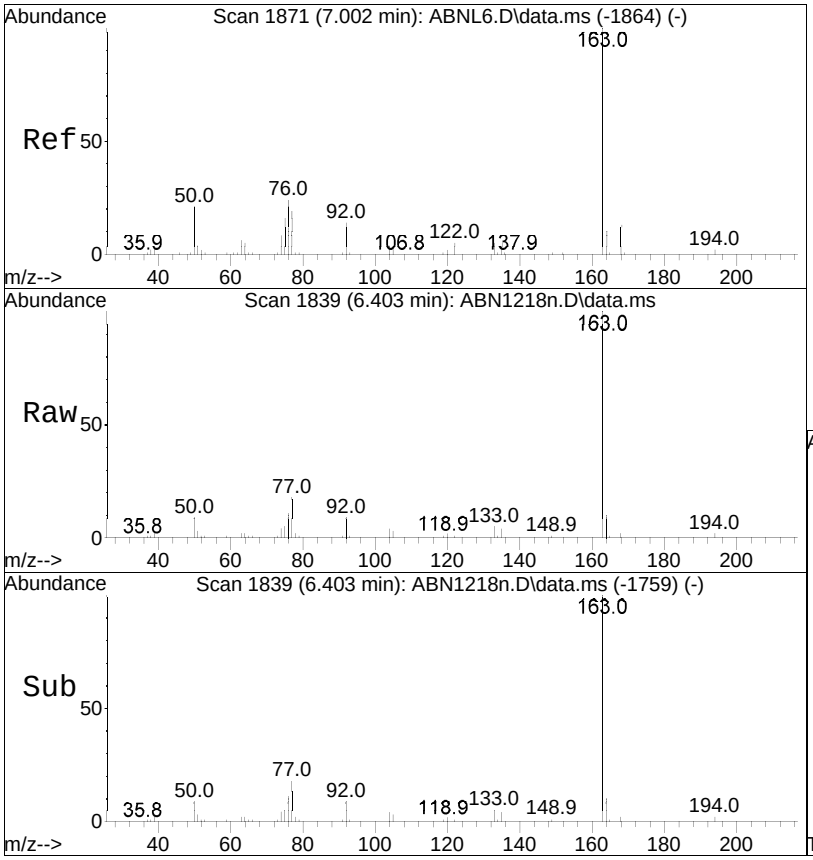


#52
1,3-Dinitrobenzene
Concen: 4.94 ug/ml
RT: 6.393 min Scan# 1836
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:168 Resp: 14374

Ion	Ratio	Lower	Upper
168	100		
75	157.1	22.7	34.1#

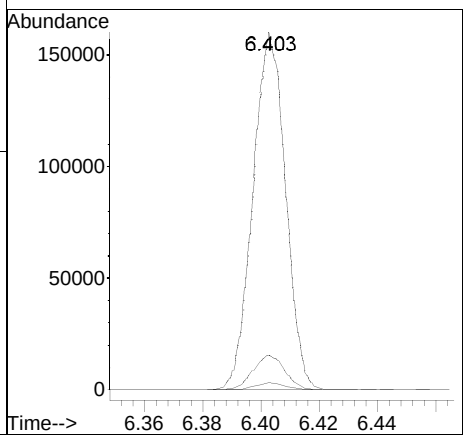


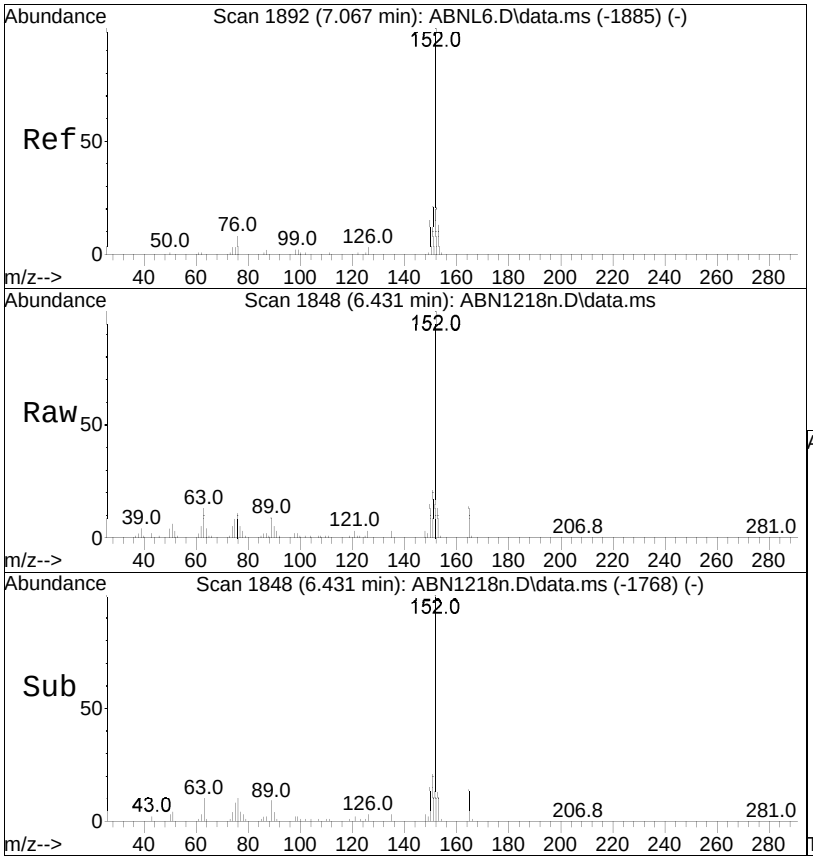


#53
Dimethyl phthalate
Concen: 4.83 ug/ml
RT: 6.403 min Scan# 1839
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:163 Resp: 122696

Ion	Ratio	Lower	Upper
163	100		
194	1.9	3.5	5.3#
164	9.7	7.9	11.9

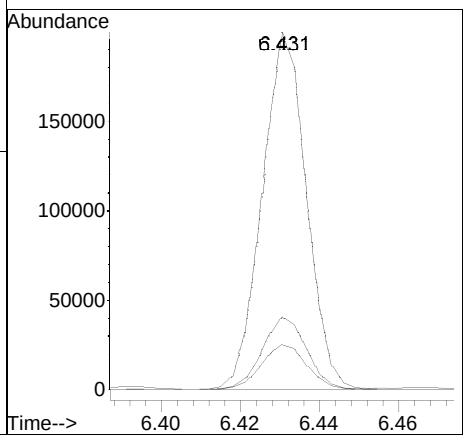


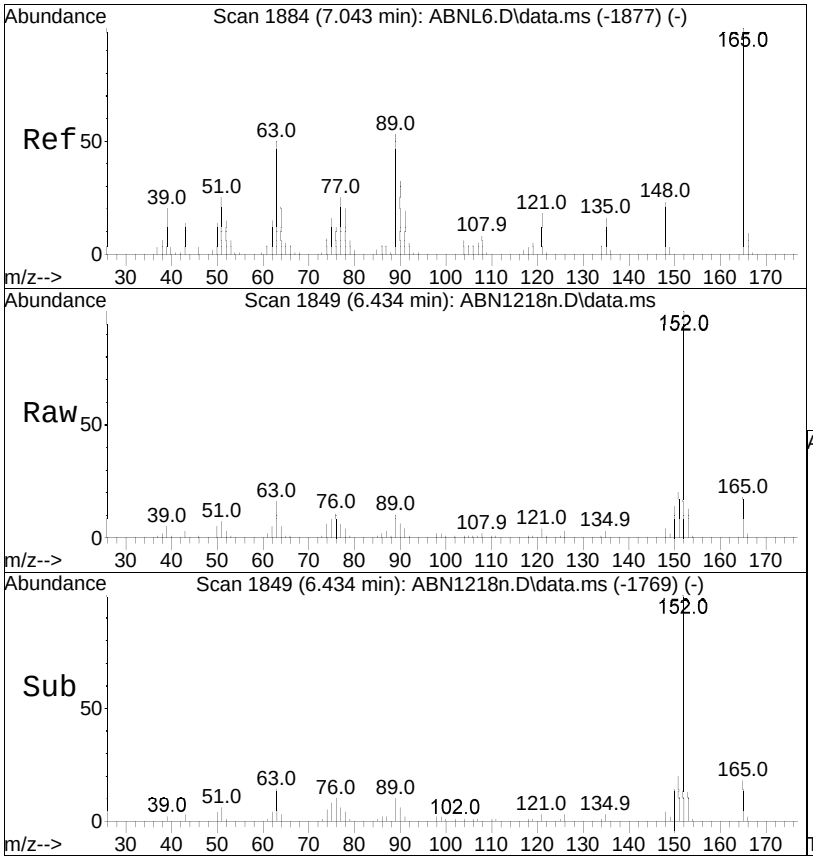


#54
Acenaphthylene
Concen: 4.80 ug/ml
RT: 6.431 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:152 Resp: 153838

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.6
153	13.0	10.5	15.7

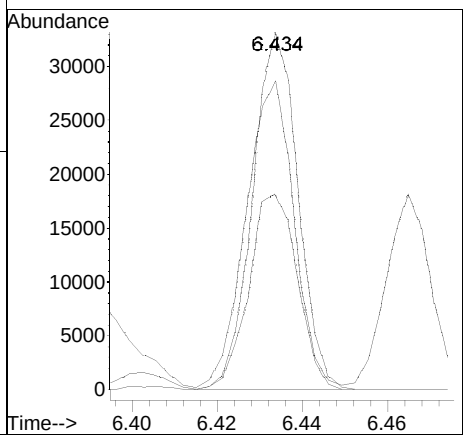


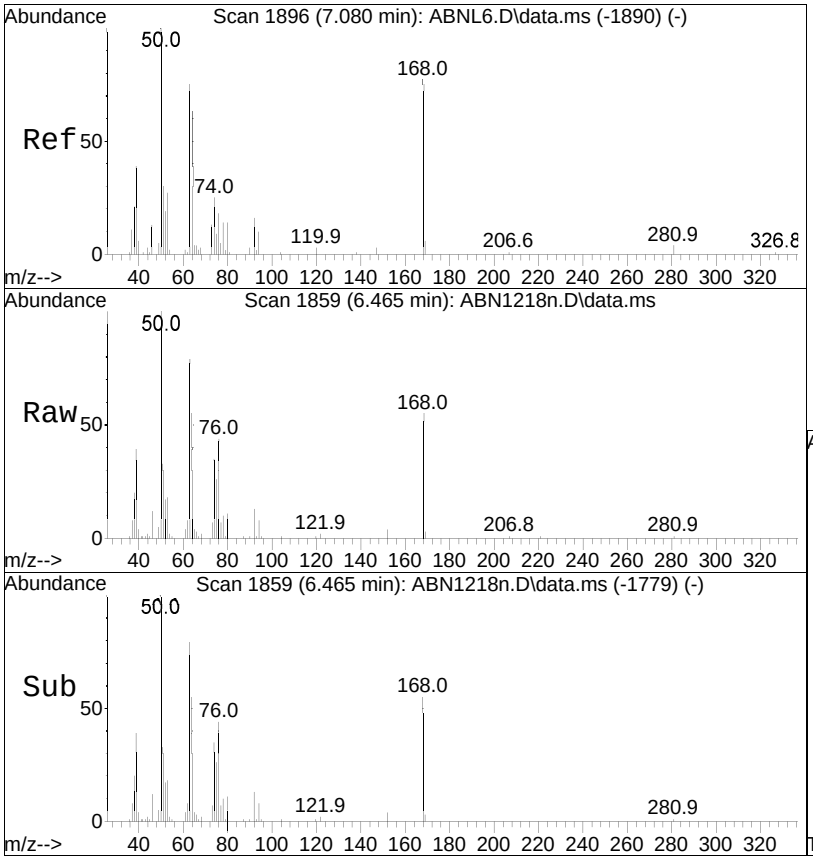


#55
2,6-Dinitrotoluene
Concen: 5.16 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:165 Resp: 24448

Ion	Ratio	Lower	Upper
165	100		
89	58.7	54.2	81.2
63	92.0	64.2	96.2

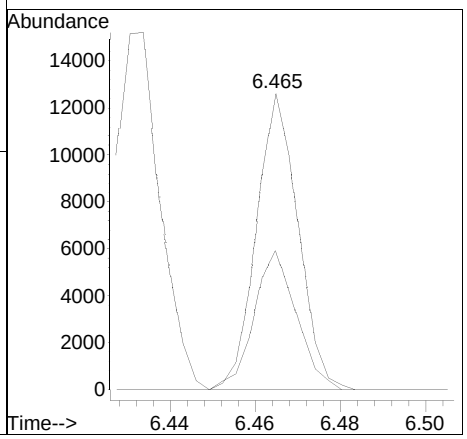


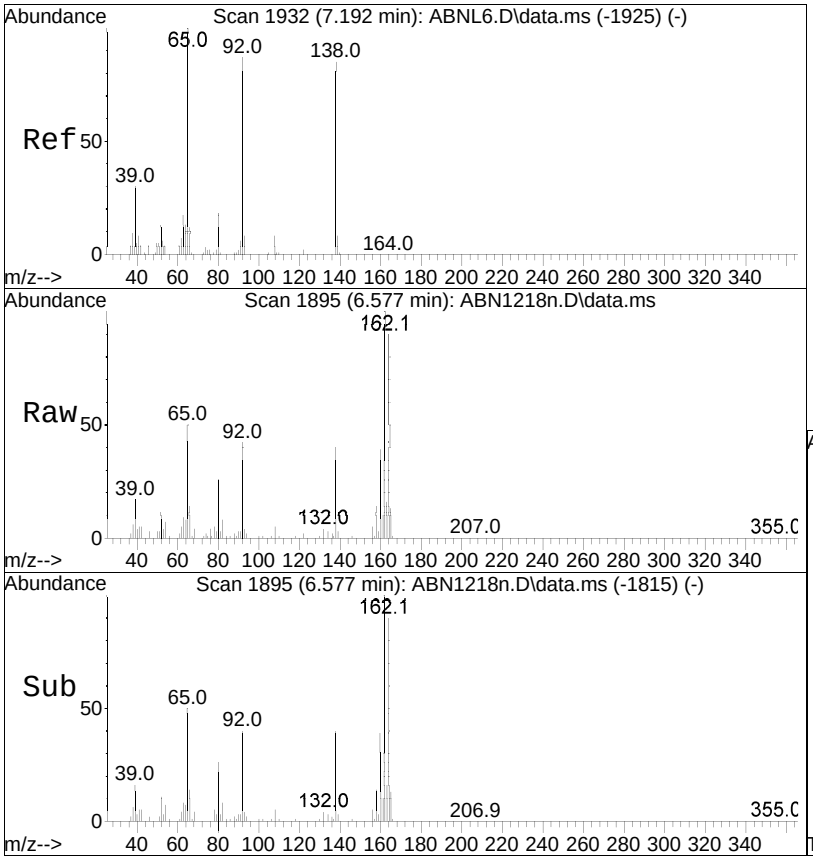


#56
1,2-Dinitrobenzene
Concen: 5.05 ug/ml
RT: 6.465 min Scan# 1859
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:168 Resp: 8564

Ion	Ratio	Lower	Upper
168	100		
75	47.8	30.9	46.3#

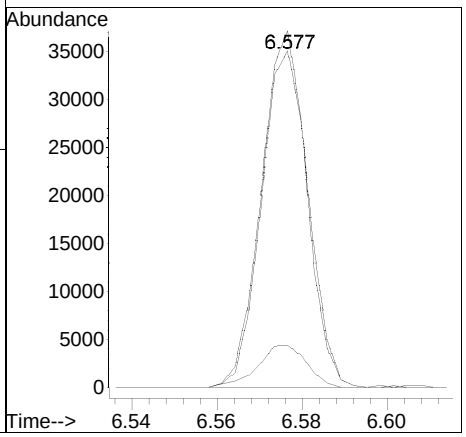


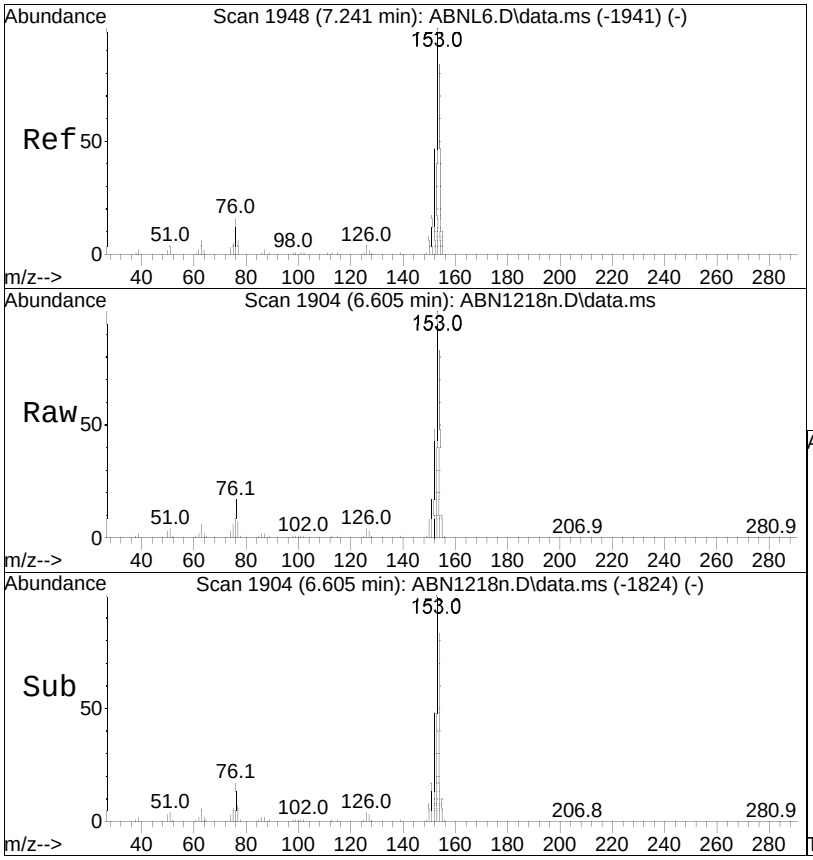


#66
3-Nitroaniline
Concen: 5.04 ug/ml
RT: 6.577 min Scan# 1895
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:138 Resp: 26839

Ion	Ratio	Lower	Upper
138	100		
92	102.4	93.4	140.2
108	13.1	9.5	14.3

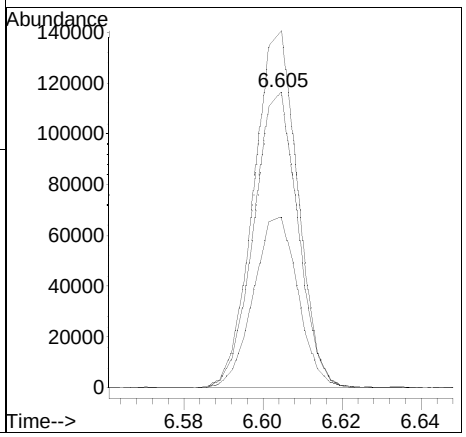


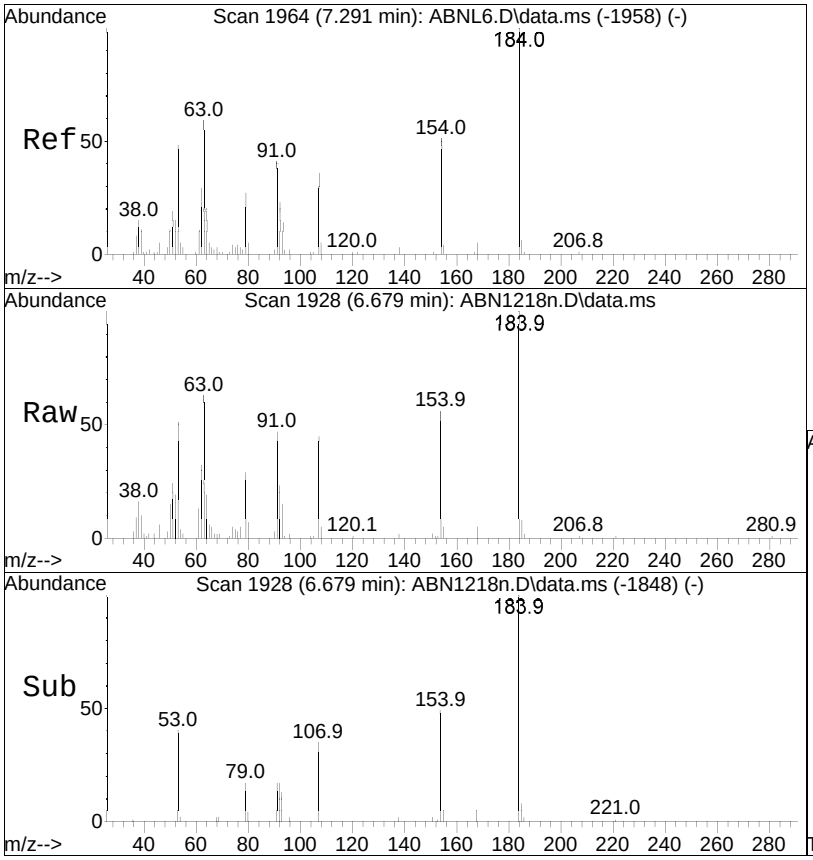


#67
Acenaphthene
Concen: 4.50 ug/ml
RT: 6.605 min Scan# 1904
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:154 Resp: 90176

Ion	Ratio	Lower	Upper
154	100		
153	120.9	85.3	127.9
152	59.0	41.4	62.0

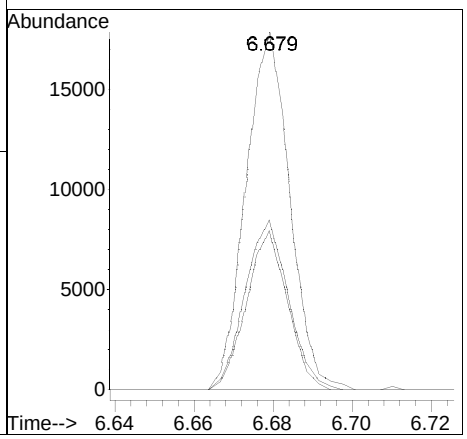


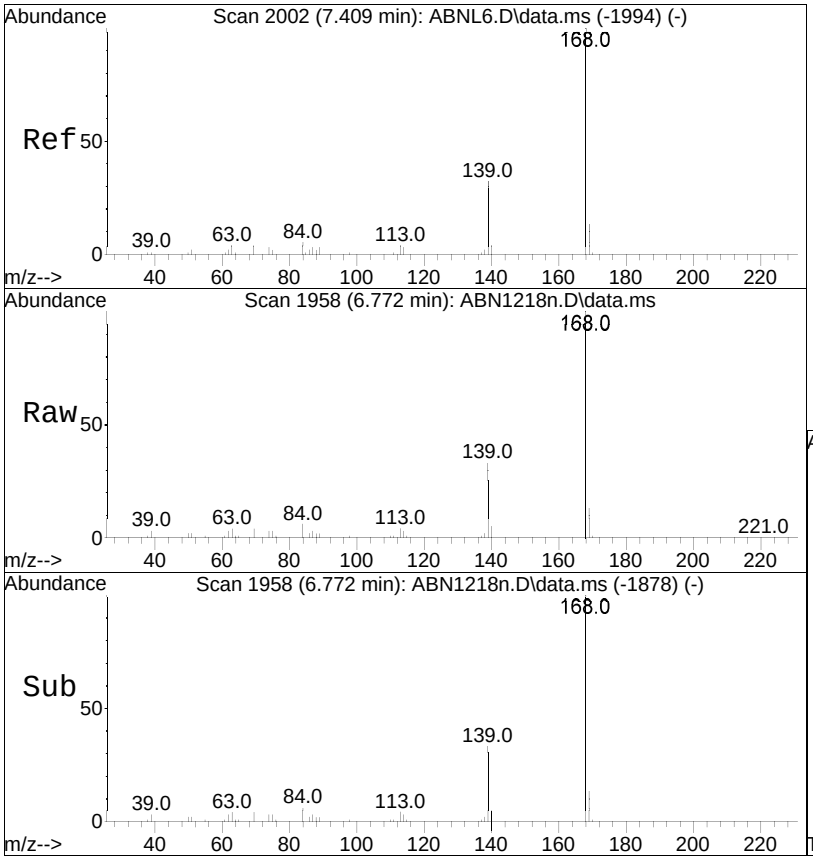


#68
2,4-Dinitrophenol
Concen: 4.22 ug/ml
RT: 6.679 min Scan# 1928
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:184 Resp: 13668

Ion	Ratio	Lower	Upper
184	100		
107	41.6	37.7	56.5
91	47.0	46.3	69.5

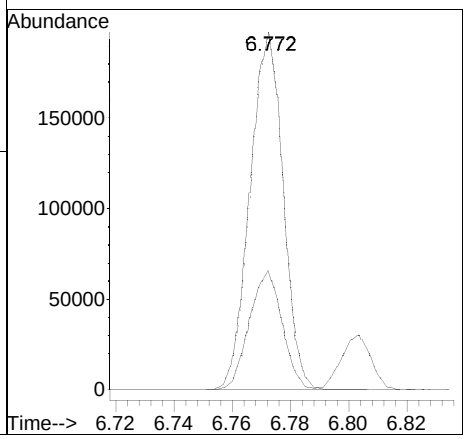


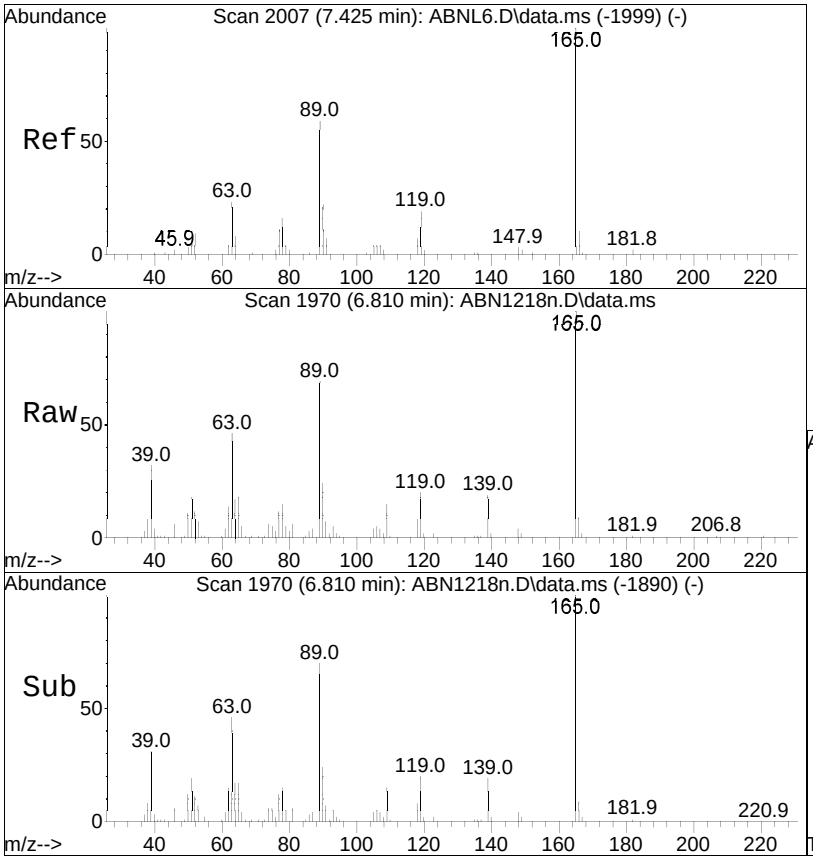


#69
Dibenzofuran
Concen: 4.47 ug/ml
RT: 6.772 min Scan# 1958
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:168 Resp: 154317

Ion	Ratio	Lower	Upper
168	100		
139	33.3	31.4	47.2

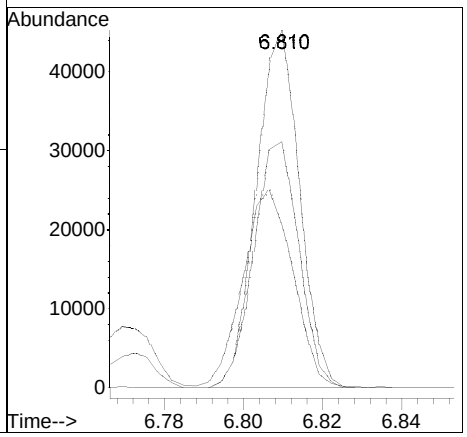


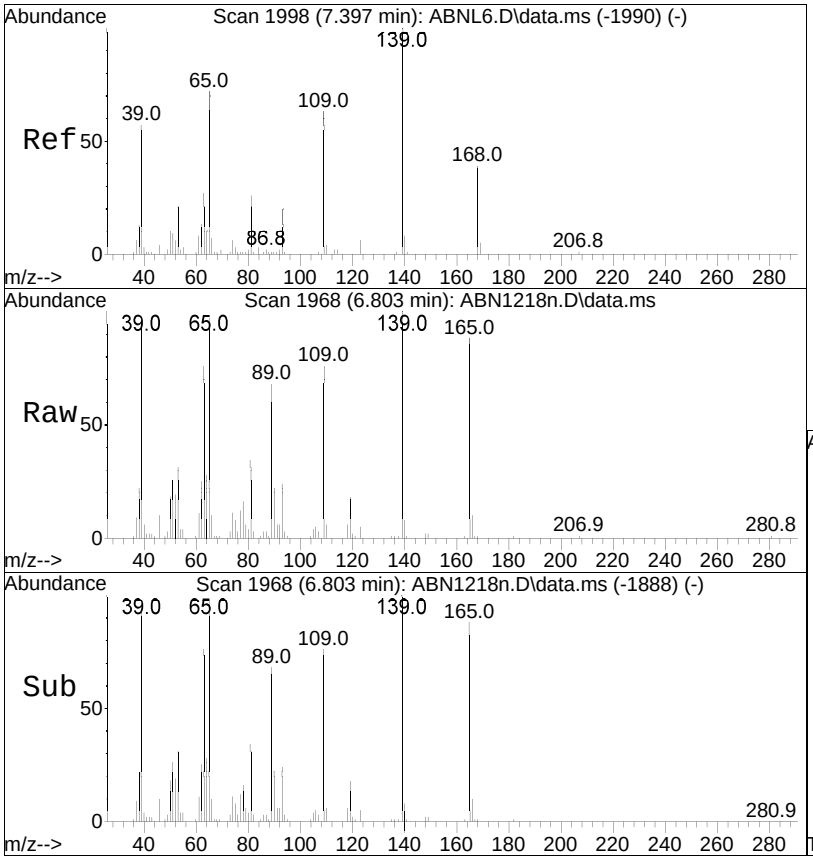


#70
2,4-Dinitrotoluene
Concen: 5.15 ug/ml
RT: 6.810 min Scan# 1970
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:165 Resp: 34352

Ion	Ratio	Lower	Upper
165	100		
89	71.5	72.0	108.0#
63	64.5	52.7	79.1

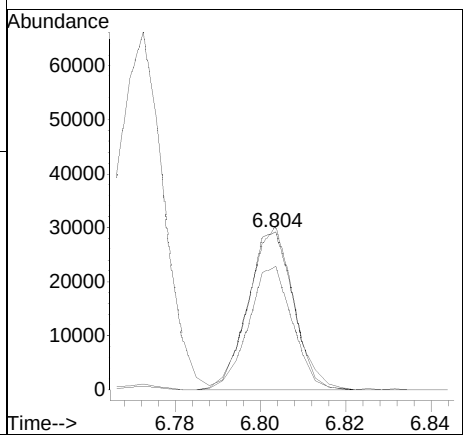


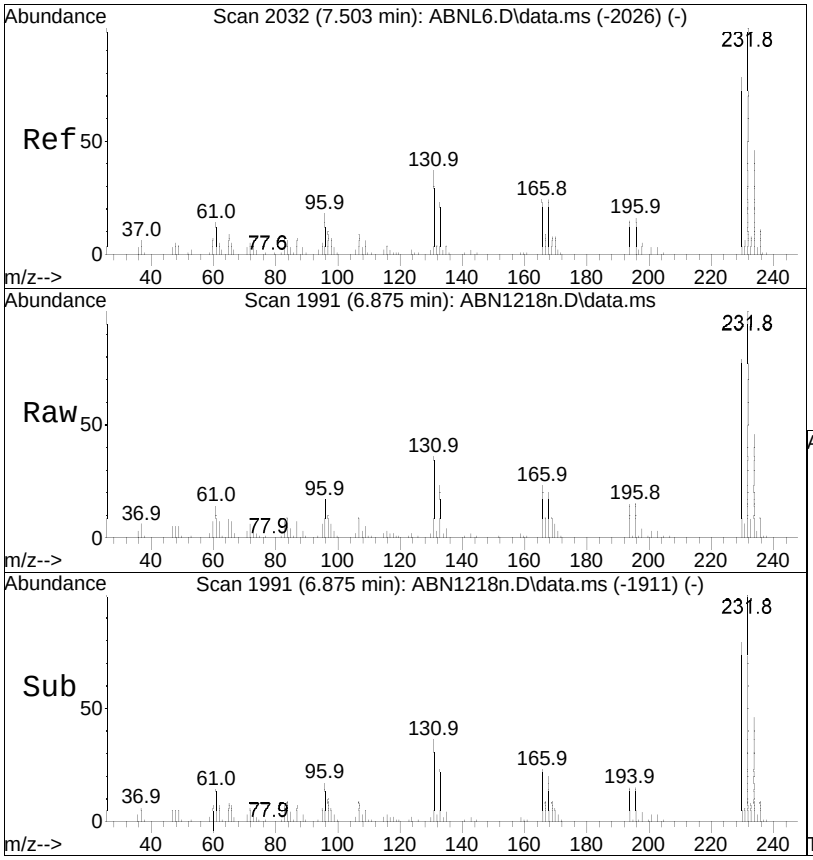


#71
4-Nitrophenol
Concen: 5.56 ug/ml
RT: 6.803 min Scan# 1968
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 65 Resp: 22040

Ion	Ratio	Lower	Upper
65	100		
109	74.5	47.4	71.2#
139	98.4	76.6	115.0

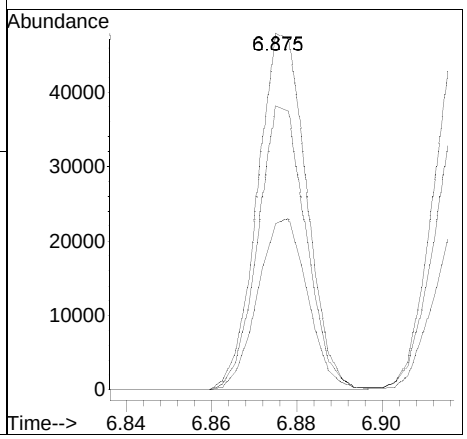


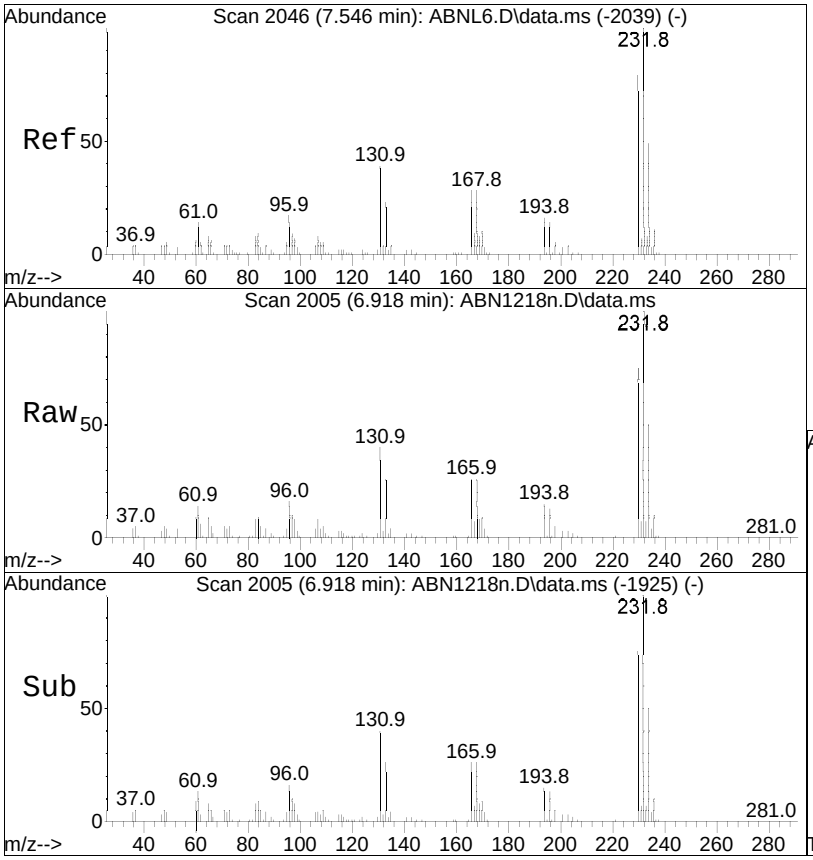


#72
2,3,5,6-Tetrachlorophenol
Concen: 5.10 ug/ml
RT: 6.875 min Scan# 1991
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:232 Resp: 38380

Ion	Ratio	Lower	Upper
232	100		
230	77.8	64.2	96.4
234	48.8	38.1	57.1

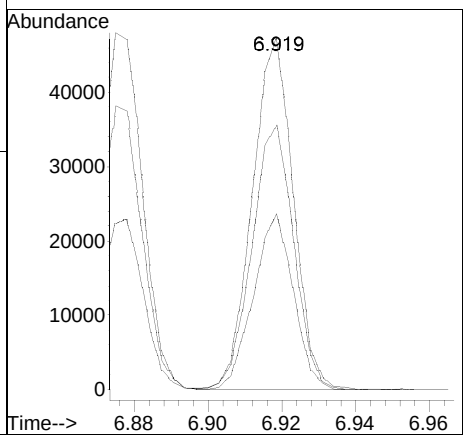


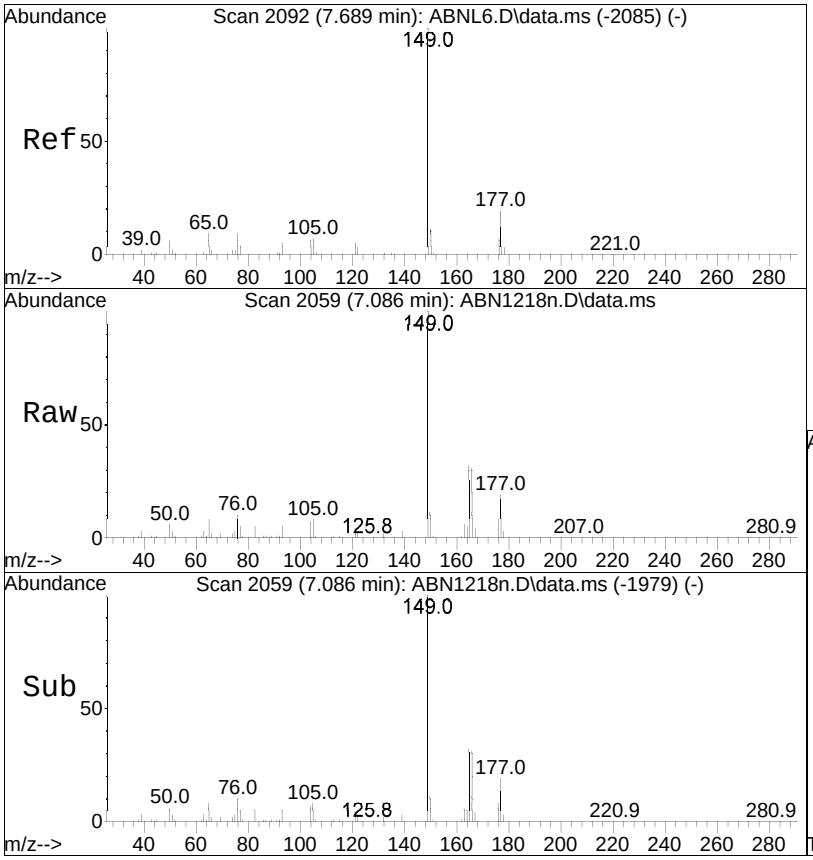


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.96 ug/ml
RT: 6.918 min Scan# 2005
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:232 Resp: 36569

Ion	Ratio	Lower	Upper
232	100		
230	76.9	61.8	92.8
234	48.6	36.2	54.2

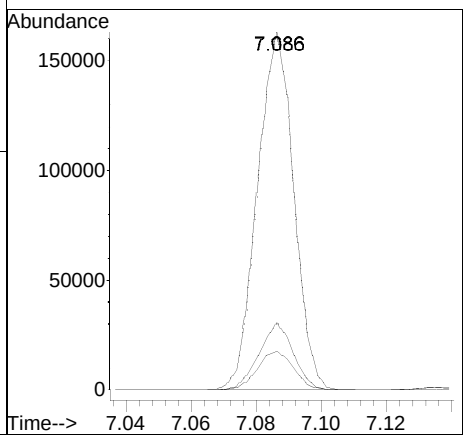


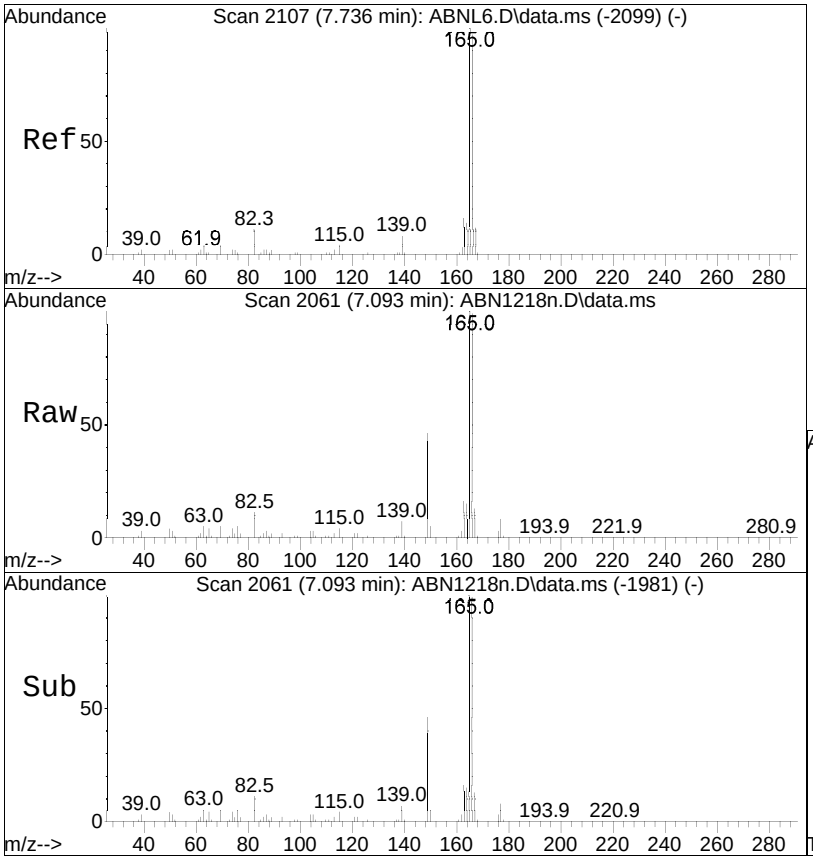


#74
Diethyl phthalate
Concen: 4.62 ug/ml
RT: 7.086 min Scan# 2059
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:149 Resp: 125274

Ion	Ratio	Lower	Upper
149	100		
177	17.9	16.1	24.1
150	11.0	9.4	14.2

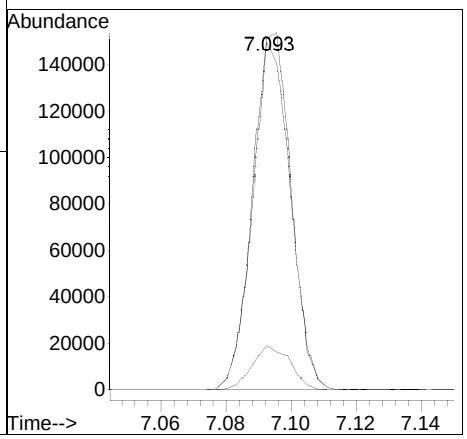


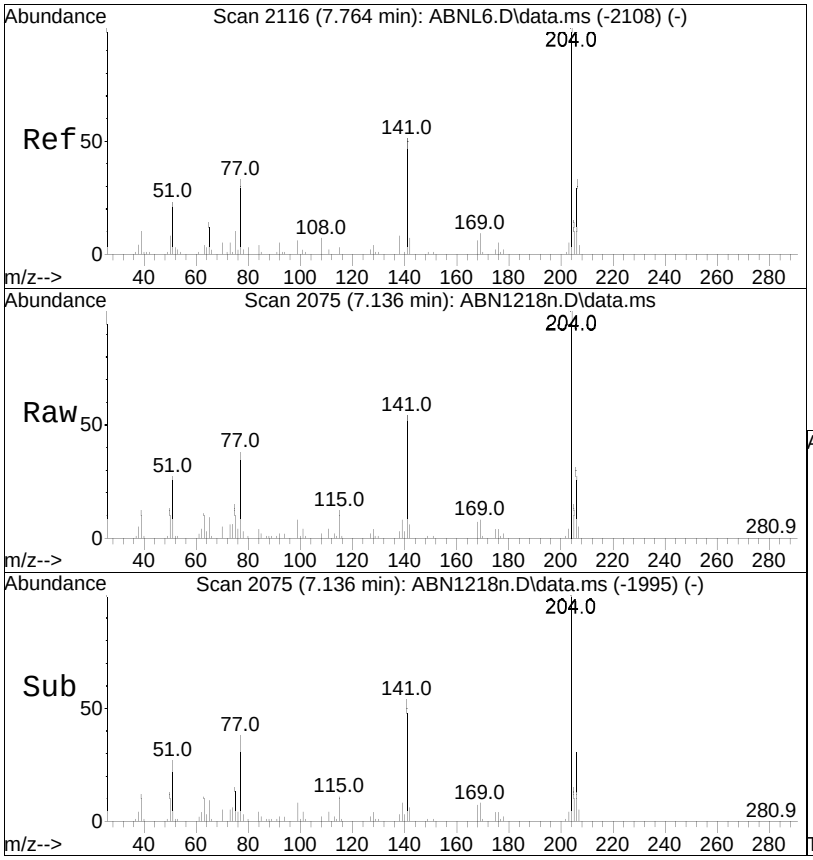


#75
Fluorene
Concen: 4.53 ug/ml
RT: 7.093 min Scan# 2061
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:166 Resp: 120022

Ion	Ratio	Lower	Upper
166	100		
165	105.3	76.2	114.2
167	13.1	10.6	15.8

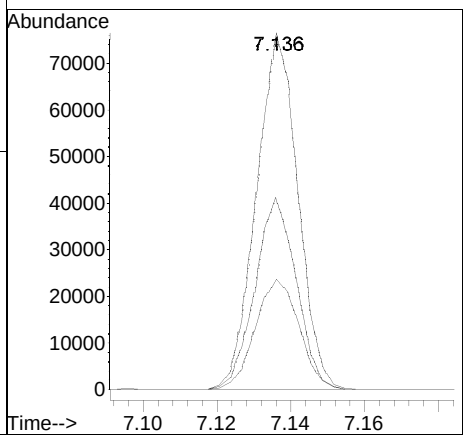


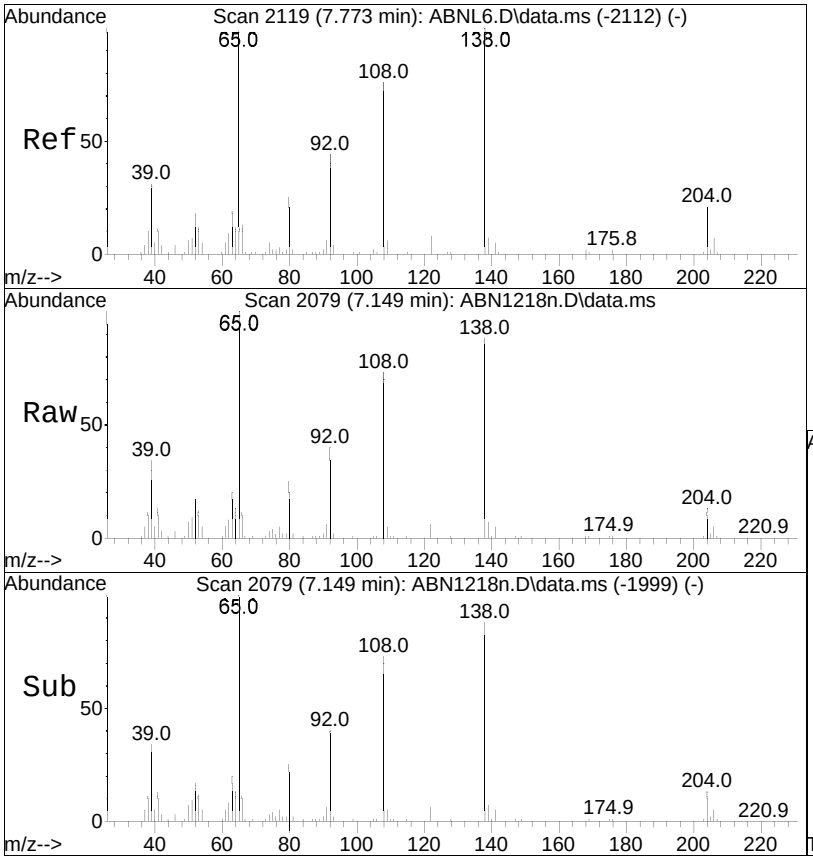


#76
4-Chlorophenyl phenyl ether
Concen: 4.34 ug/ml
RT: 7.136 min Scan# 2075
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:204 Resp: 59254

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	53.6	53.6	80.4#

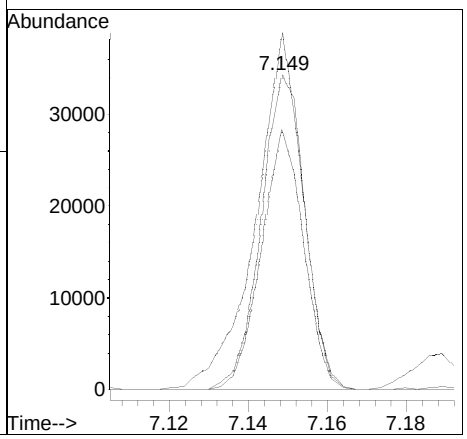


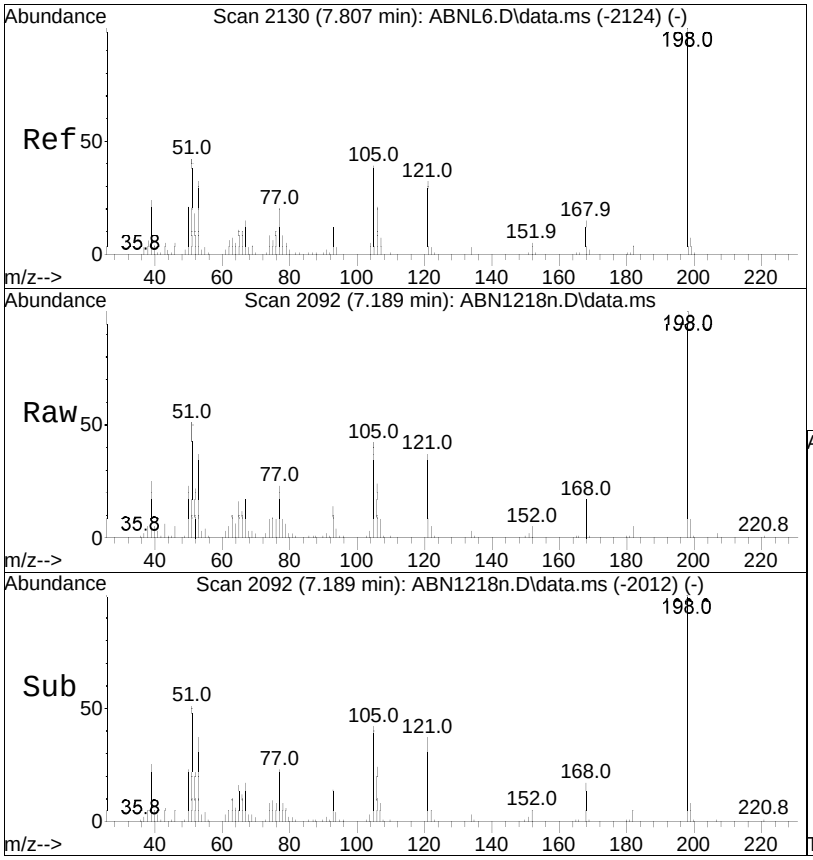


#77
4-Nitroaniline
Concen: 5.15 ug/ml
RT: 7.149 min Scan# 2079
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:138 Resp: 26469

Ion	Ratio	Lower	Upper
138	100		
108	79.1	52.1	78.1#
65	119.6	115.0	172.6

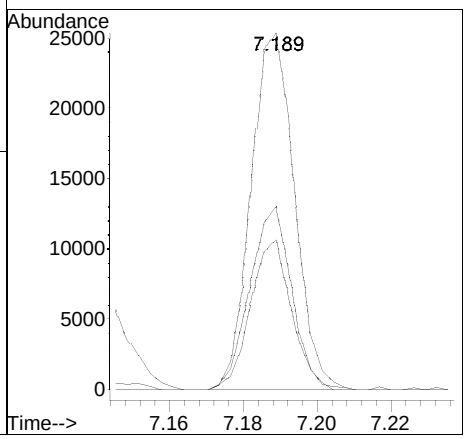


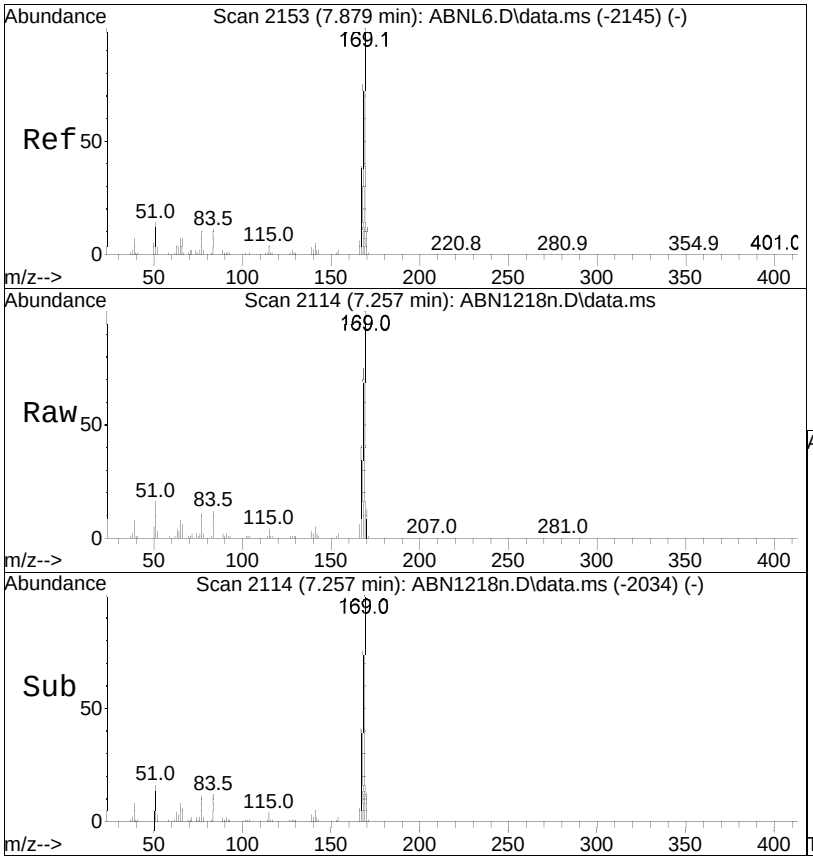


#78
4,6-Dinitro-o-cresol
Concen: 5.11 ug/ml
RT: 7.189 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:198 Resp: 20591

Ion	Ratio	Lower	Upper
198	100		
51	49.6	76.0	114.0#
105	39.8	45.6	68.4#

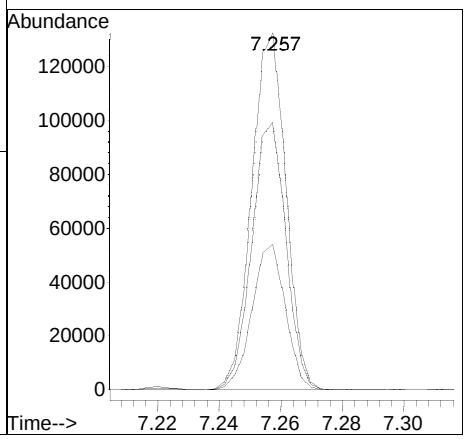


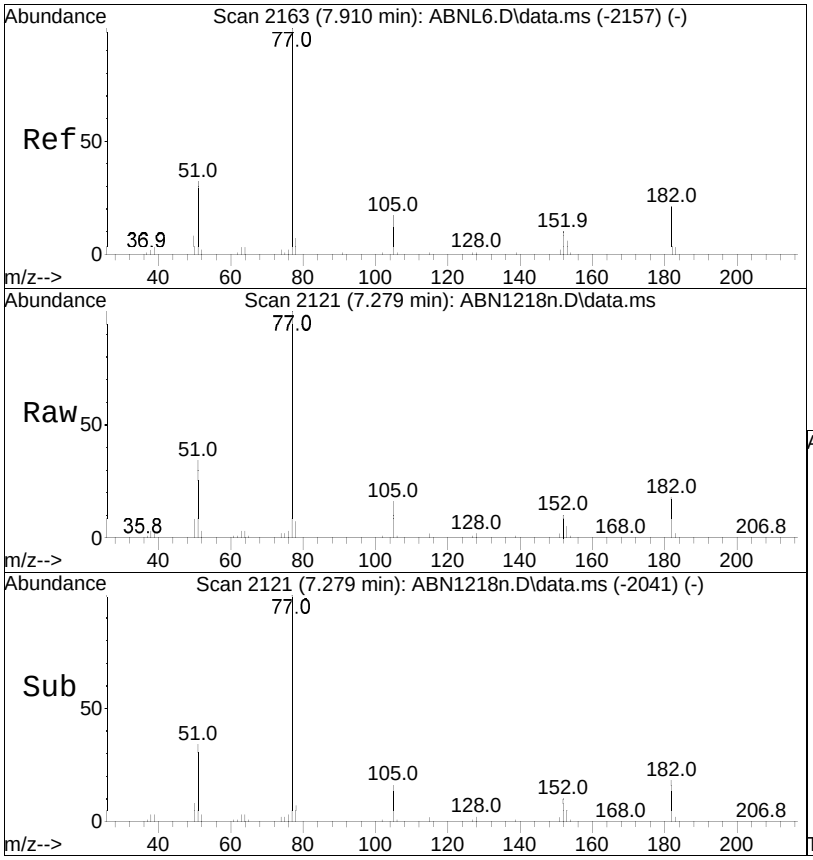


#79
NDPA/DPA
Concen: 4.45 ug/ml
RT: 7.257 min Scan# 2114
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:169 Resp: 102396

Ion	Ratio	Lower	Upper
169	100		
168	74.5	54.0	81.0
167	40.0	28.6	42.8

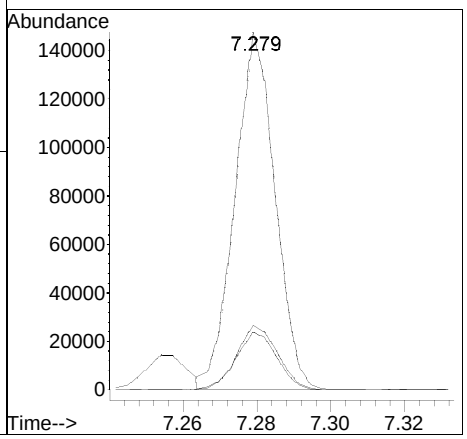


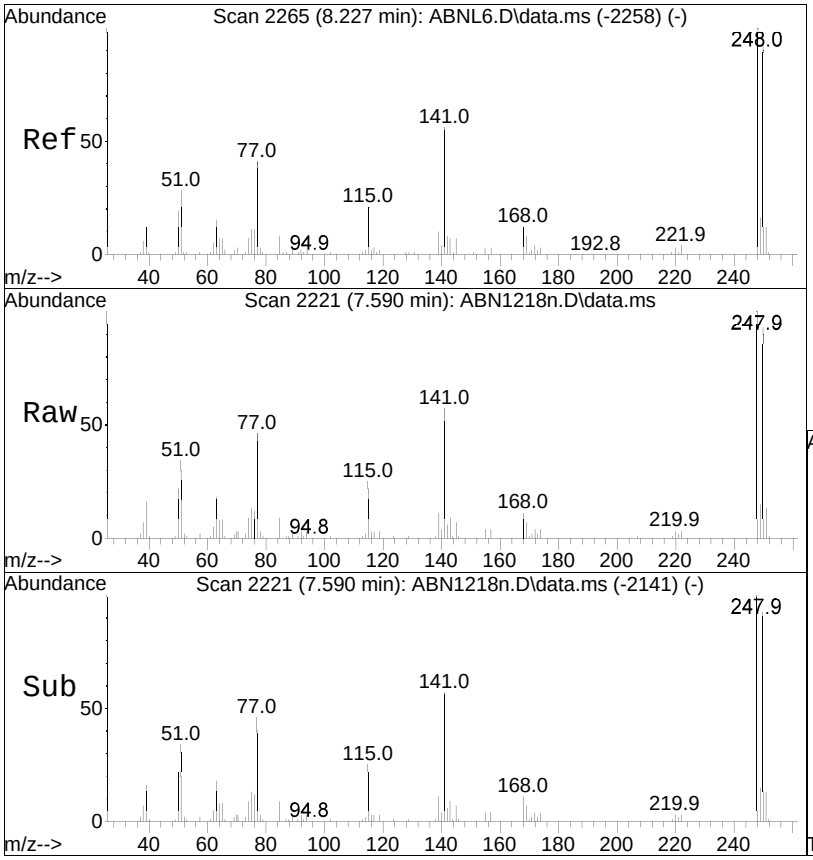


#80
Azobenzene
Concen: 5.01 ug/ml
RT: 7.279 min Scan# 2121
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion: 77 Resp: 110556

Ion	Ratio	Lower	Upper
77	100		
182	18.5	17.4	26.2
105	16.7	15.4	23.2

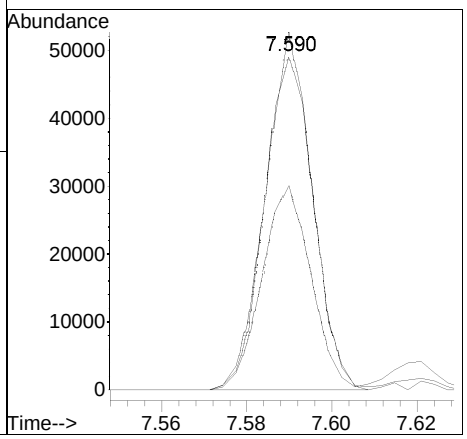


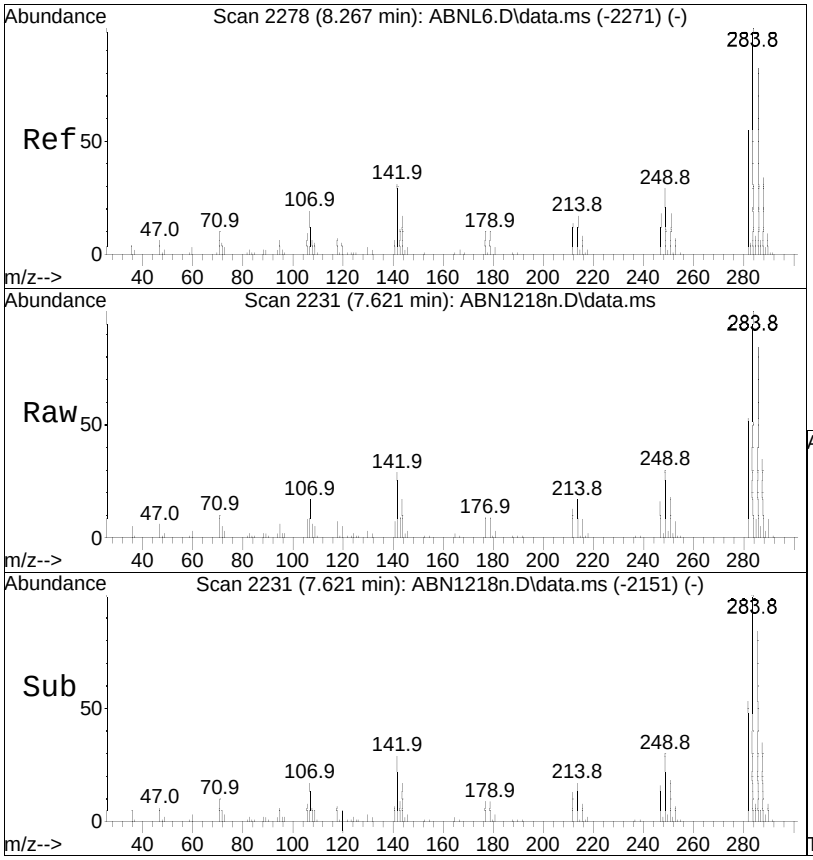


#82
4-Bromophenyl phenyl ether
Concen: 4.47 ug/ml
RT: 7.590 min Scan# 2221
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:248 Resp: 40175

Ion	Ratio	Lower	Upper
248	100		
141	59.5	76.6	114.8#
250	97.6	77.3	115.9

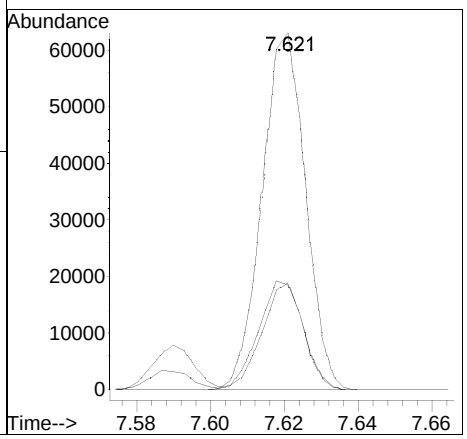


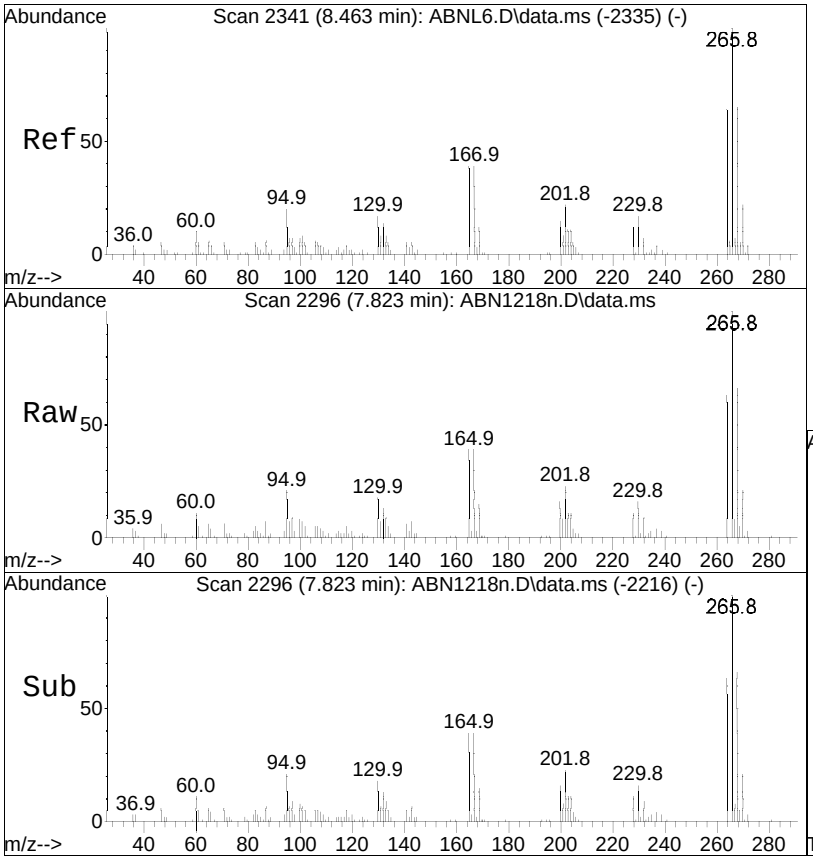


#83
Hexachlorobenzene
Concen: 4.56 ug/ml
RT: 7.621 min Scan# 2231
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:284 Resp: 51546

Ion	Ratio	Lower	Upper
284	100		
142	31.1	41.9	62.9#
249	29.0	24.1	36.1

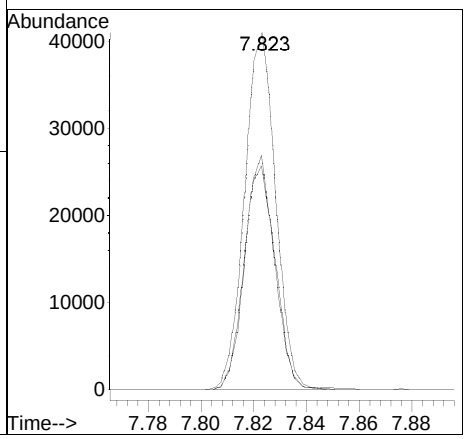


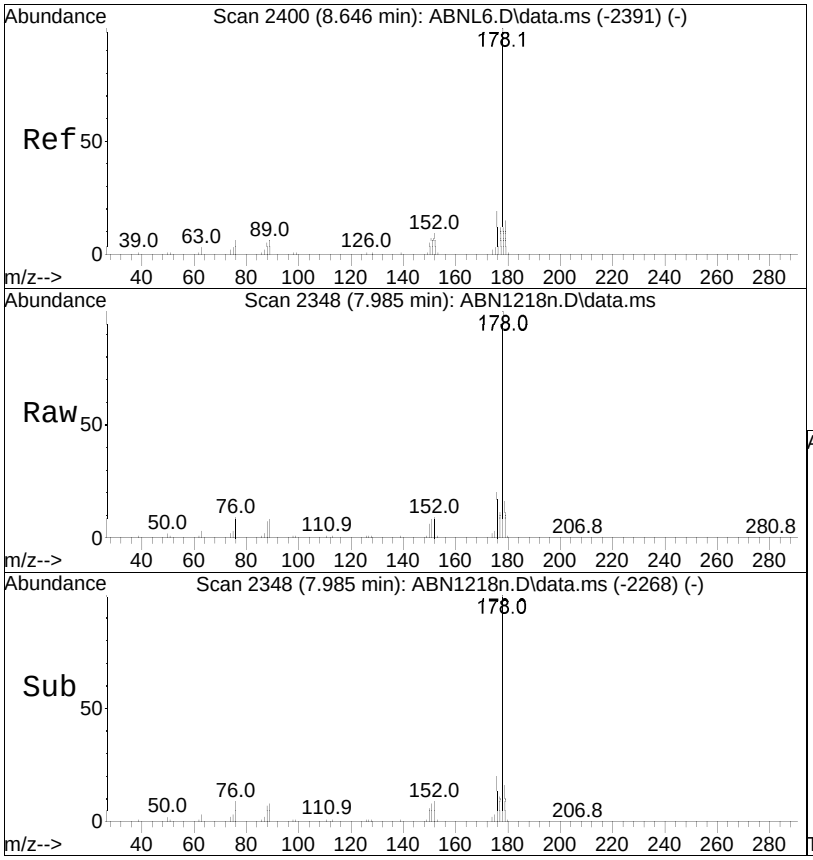


#84
Pentachlorophenol
Concen: 5.48 ug/ml
RT: 7.823 min Scan# 2296
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:266 Resp: 33620

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.7	74.5
268	63.6	50.5	75.7

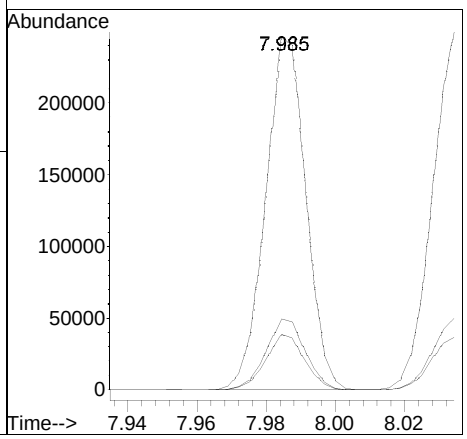


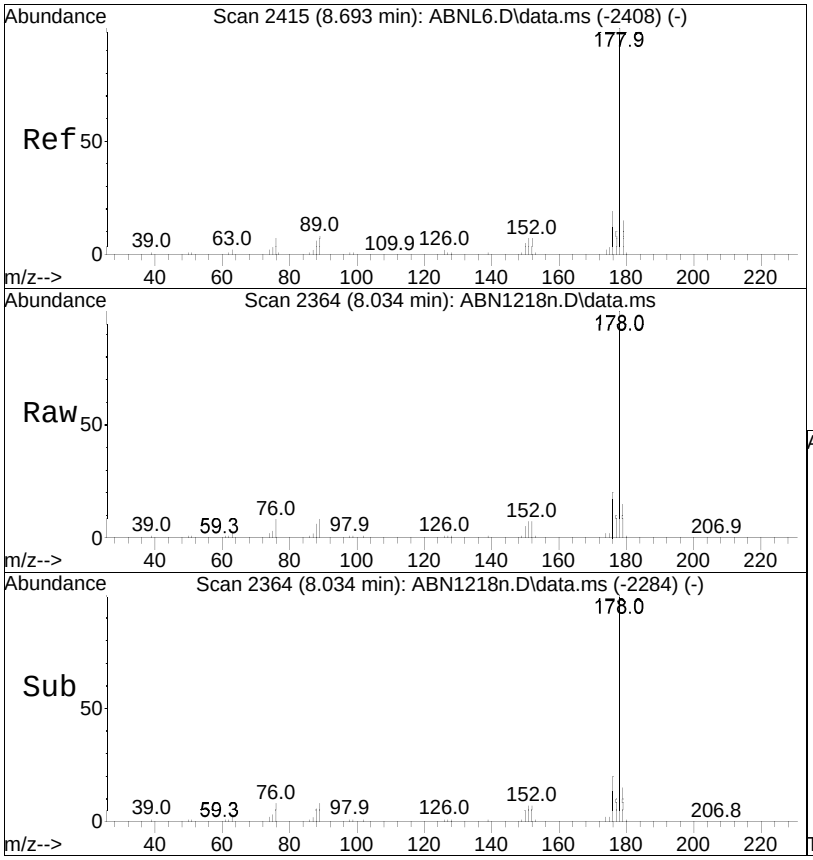


#91
Phenanthrene
Concen: 4.54 ug/ml
RT: 7.985 min Scan# 2348
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:178 Resp: 199193

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.7	15.4	23.2

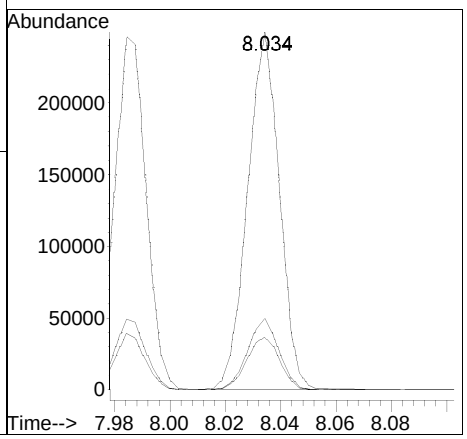


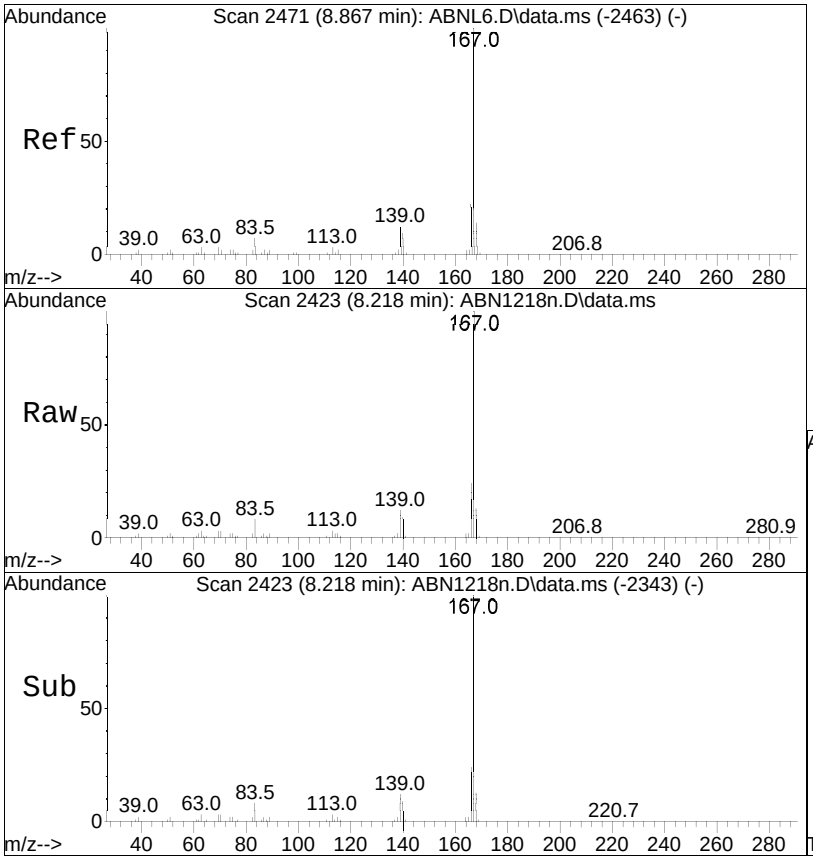


#92
Anthracene
Concen: 4.63 ug/ml
RT: 8.034 min Scan# 2364
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:178 Resp: 199464

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.7	14.6	22.0

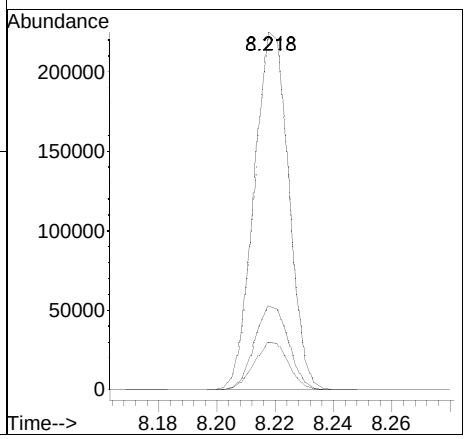


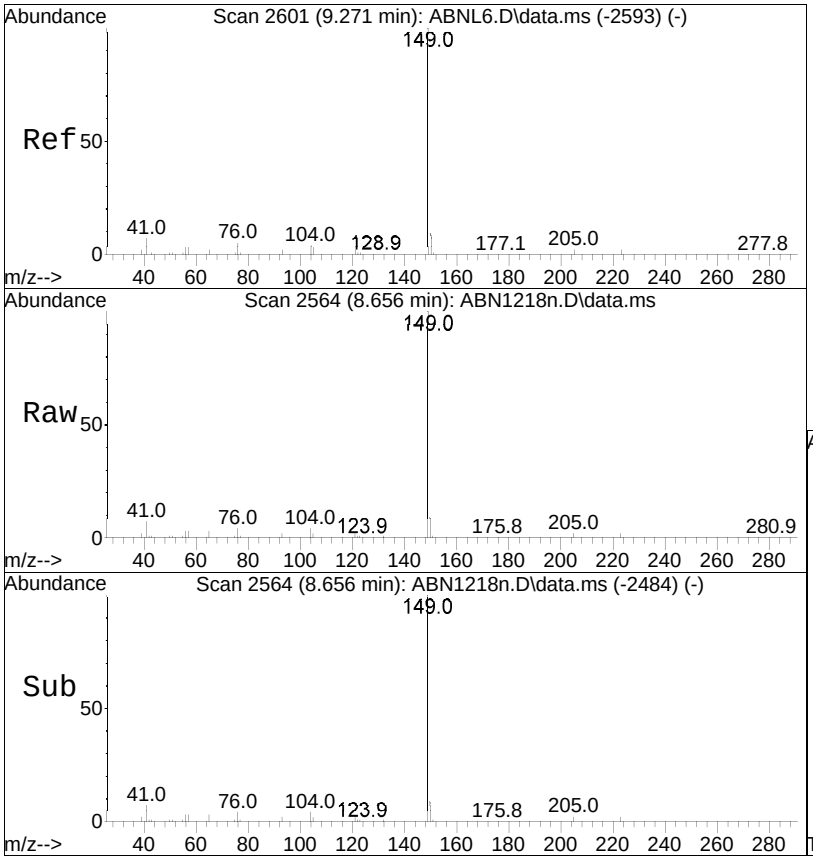


#93
Carbazole
Concen: 4.67 ug/ml
RT: 8.218 min Scan# 2423
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:167 Resp: 184699

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	23.2	17.4	26.0

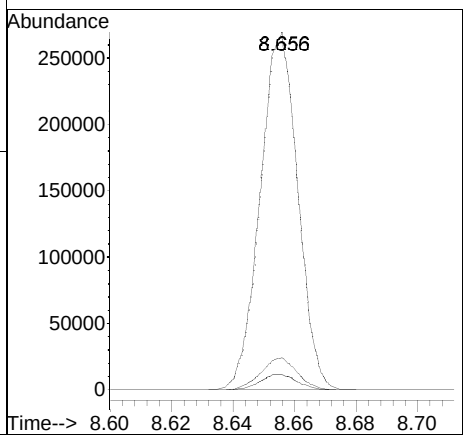


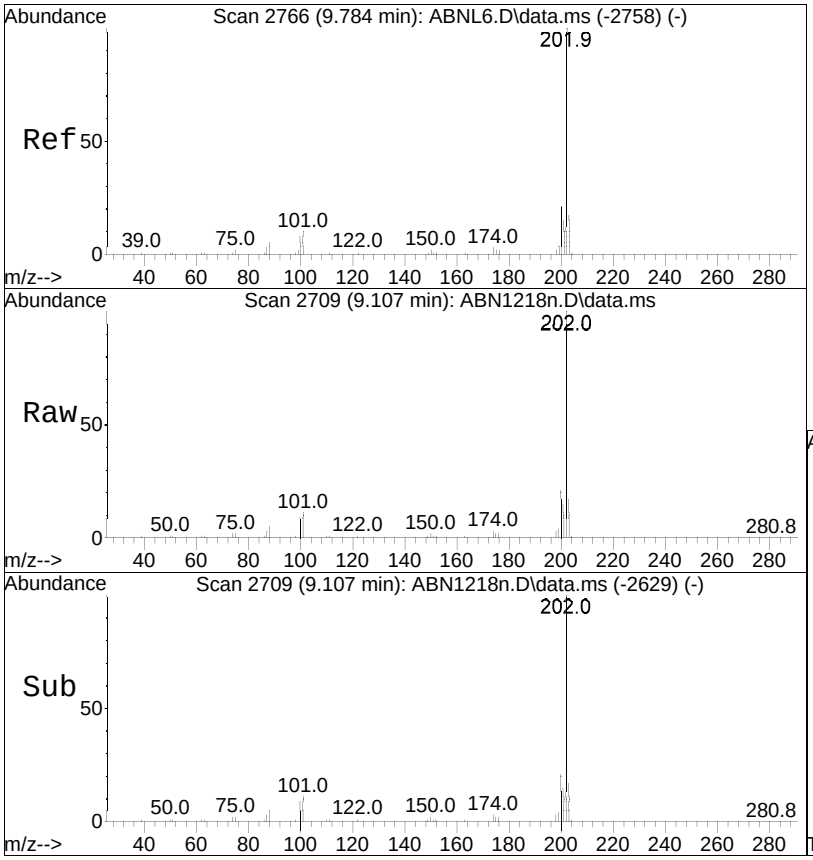


#94
Di-n-butylphthalate
Concen: 5.03 ug/ml
RT: 8.656 min Scan# 2564
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:149 Resp: 225118

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	4.3	4.5	6.7#

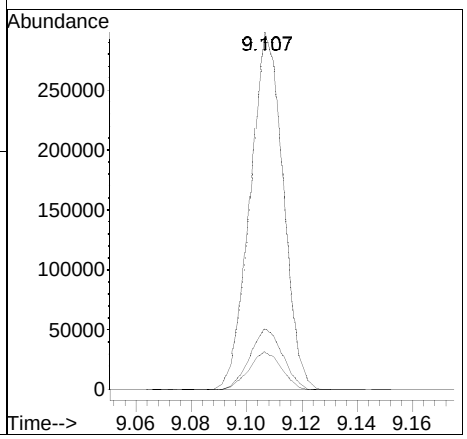


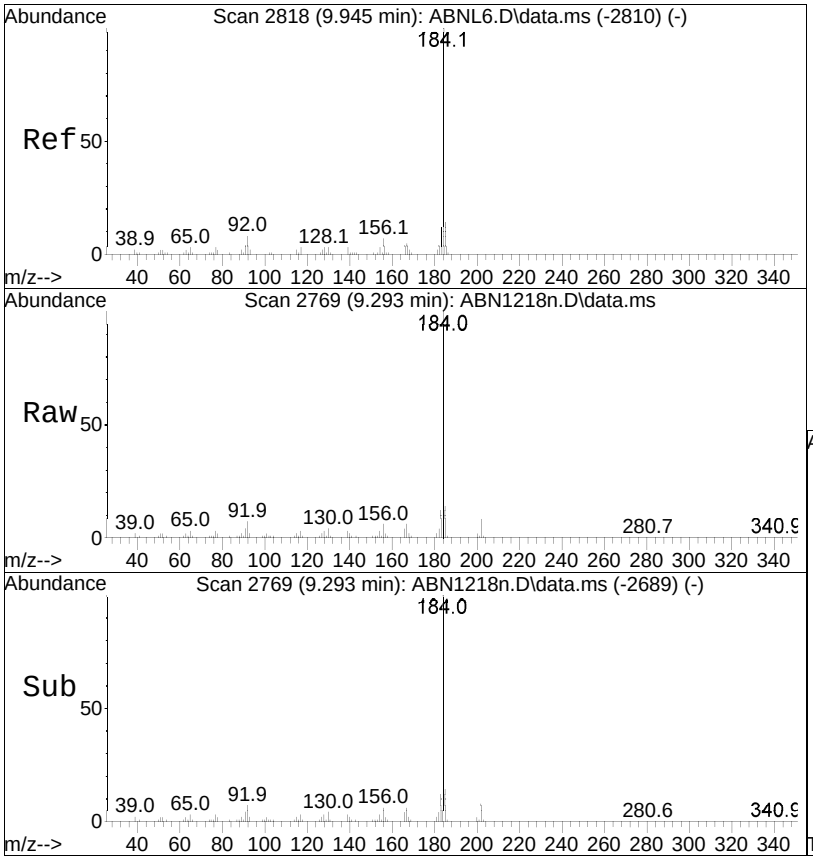


#95
Fluoranthene
Concen: 4.66 ug/ml
RT: 9.107 min Scan# 2709
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:202 Resp: 245971

Ion	Ratio	Lower	Upper
202	100		
101	10.8	13.5	20.3#
203	17.2	13.6	20.4

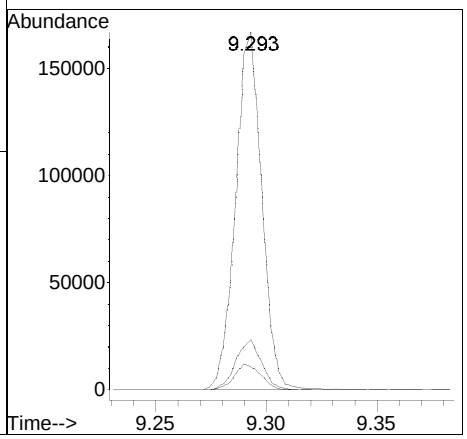


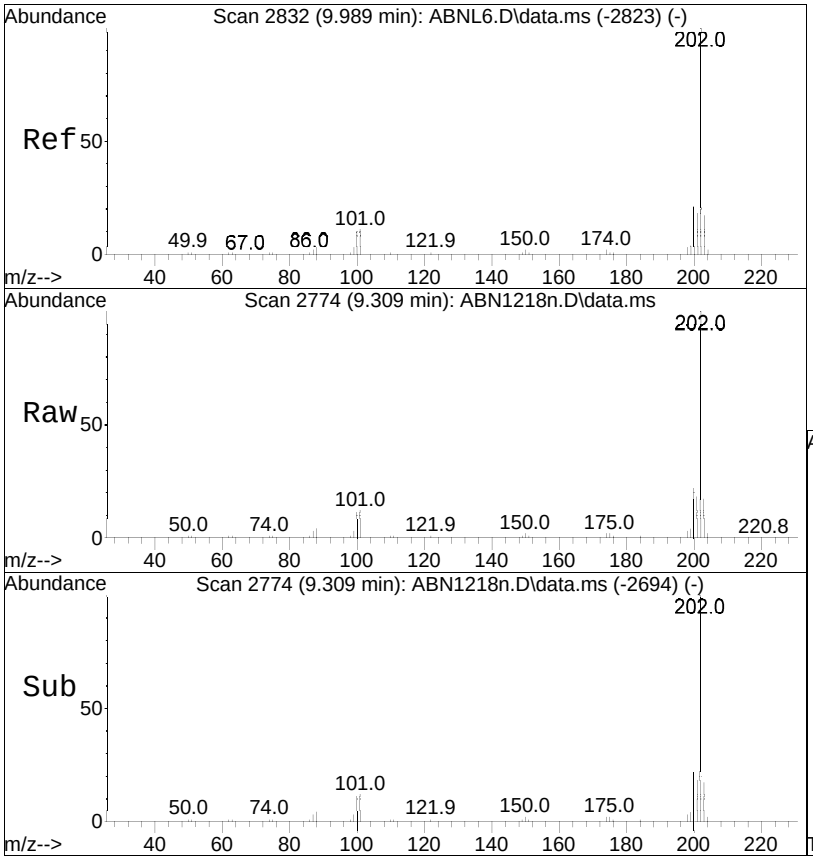


#96
Benzidine
Concen: 4.74 ug/ml
RT: 9.293 min Scan# 2769
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:184 Resp: 135920

Ion	Ratio	Lower	Upper
184	100		
92	7.4	9.1	13.7#
185	13.8	11.1	16.7

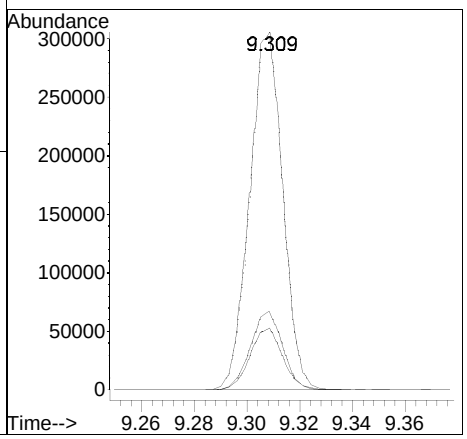


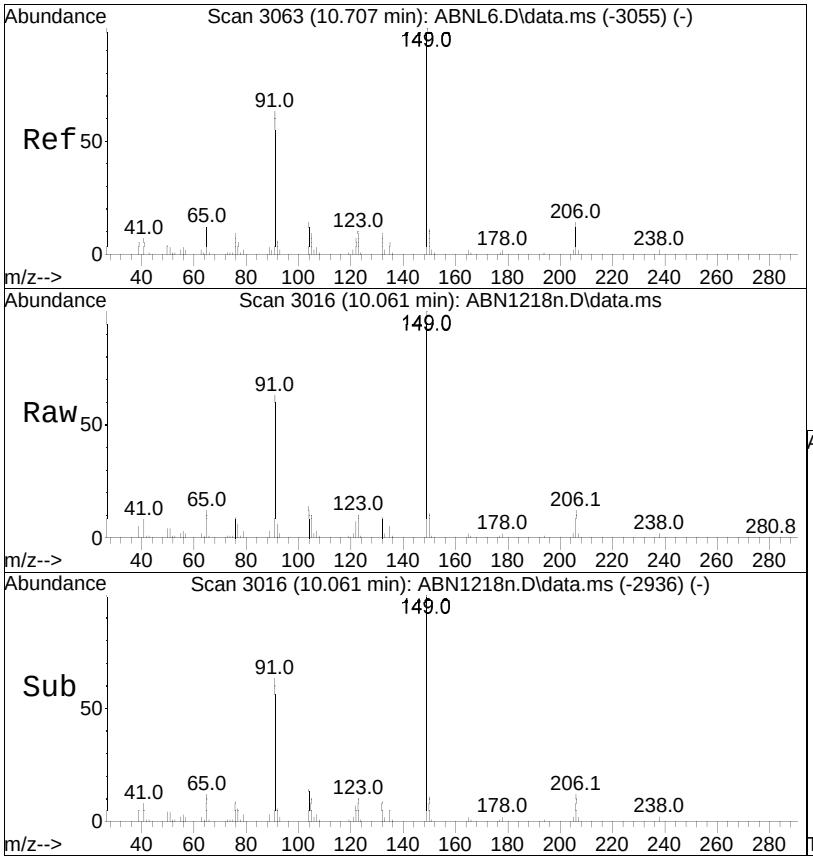


#97
Pyrene
Concen: 4.67 ug/ml
RT: 9.309 min Scan# 2774
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:202 Resp: 263575

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.3	14.2	21.4

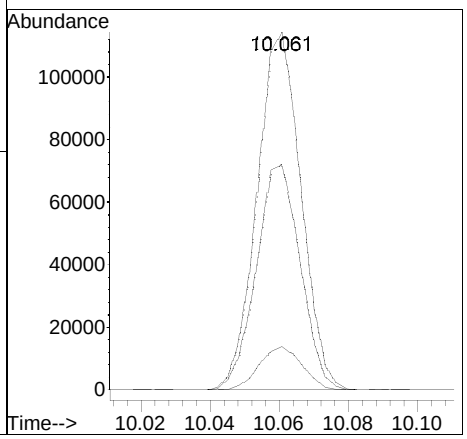


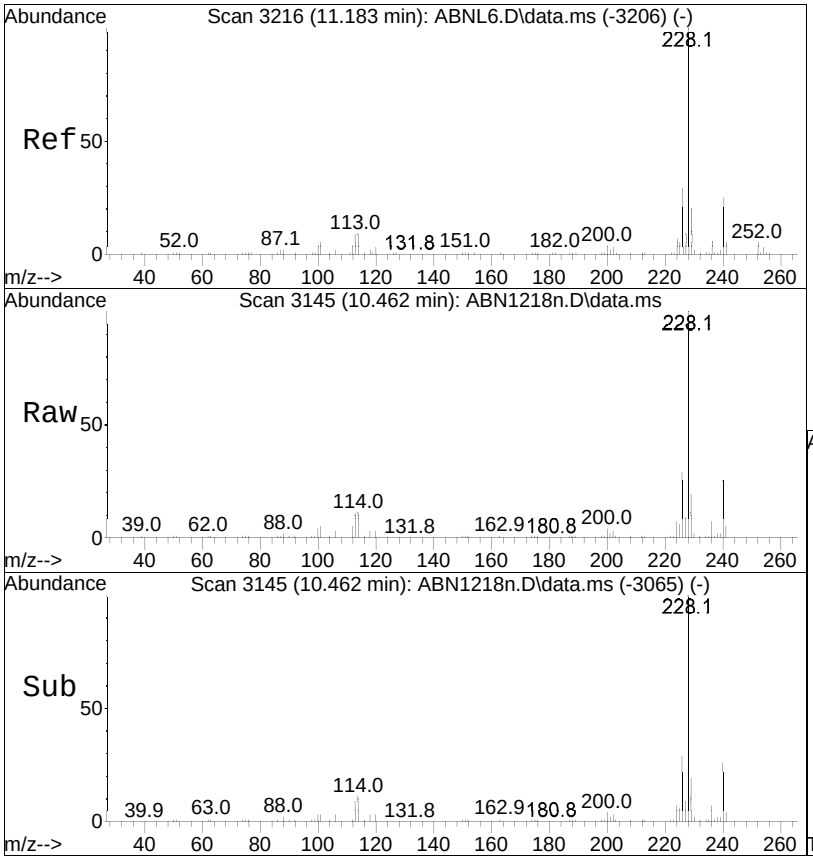


#99
Butyl benzyl phthalate
Concen: 5.20 ug/ml
RT: 10.061 min Scan# 3016
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:149 Resp: 99800

Ion	Ratio	Lower	Upper
149	100		
91	63.2	63.3	94.9#
206	12.0	13.9	20.9#

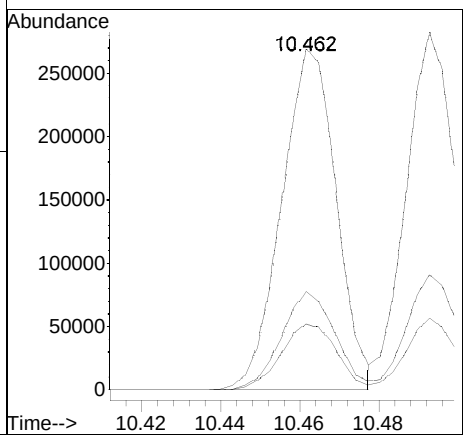


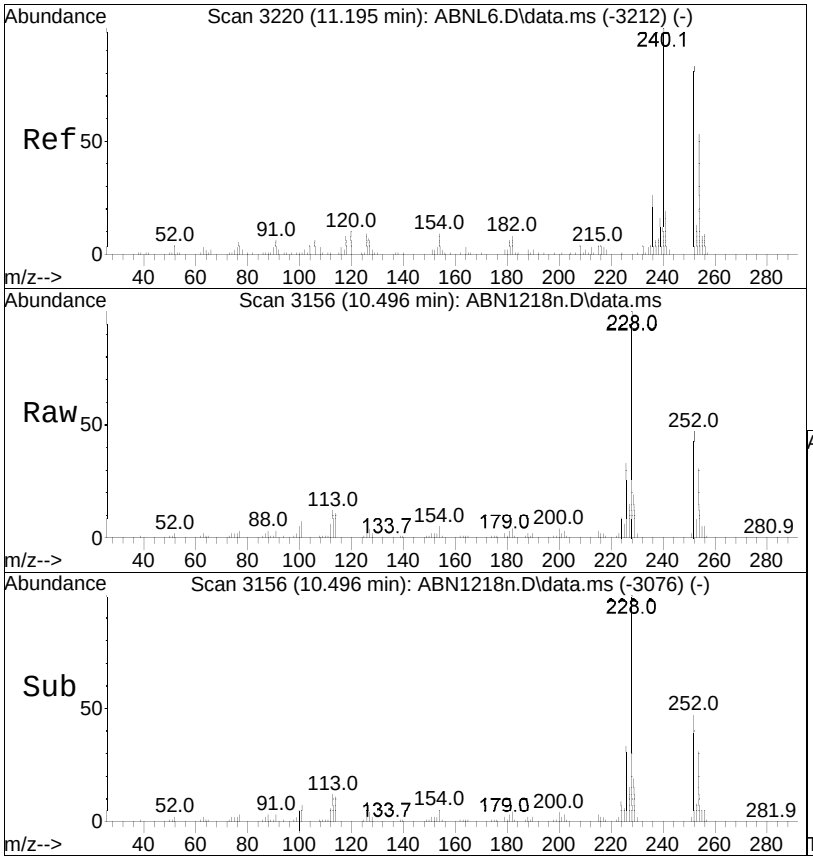


#107
Benzo(a)anthracene
Concen: 4.53 ug/ml
RT: 10.462 min Scan# 3145
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:228 Resp: 257886

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	19.6	15.6	23.4

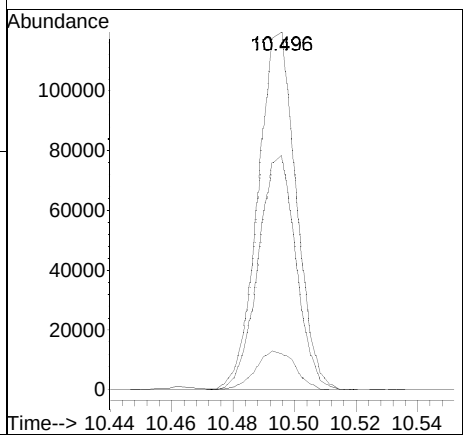


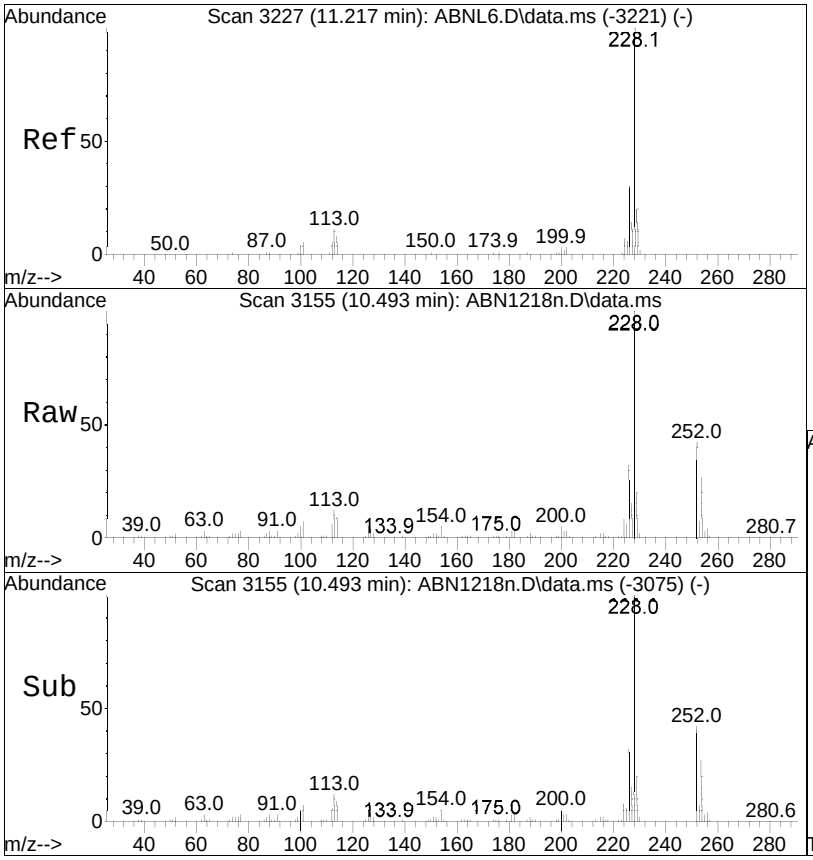


#108
3,3'-Dichlorobenzidine
Concen: 4.83 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:252 Resp: 102567

Ion	Ratio	Lower	Upper
252	100		
126	11.5	14.5	21.7#
254	65.2	51.2	76.8

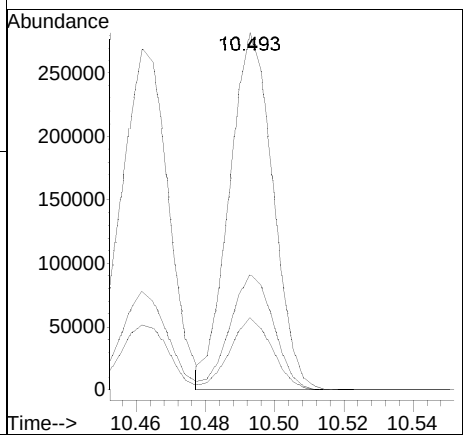


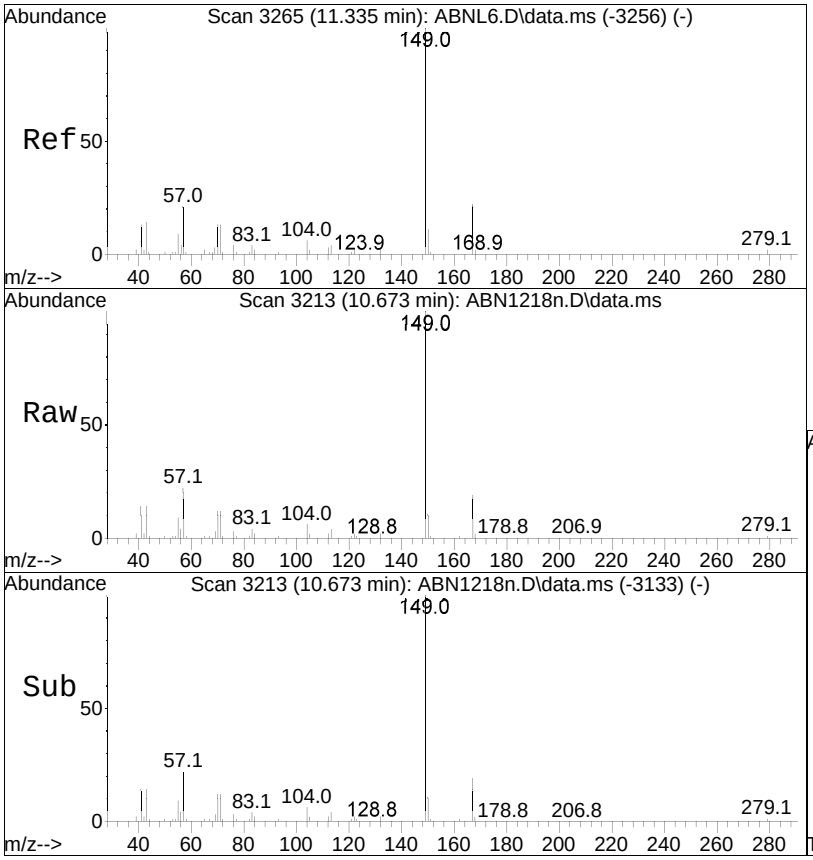


#109
Chrysene
Concen: 4.36 ug/ml
RT: 10.493 min Scan# 3155
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:228 Resp: 246939

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	19.8	15.8	23.8

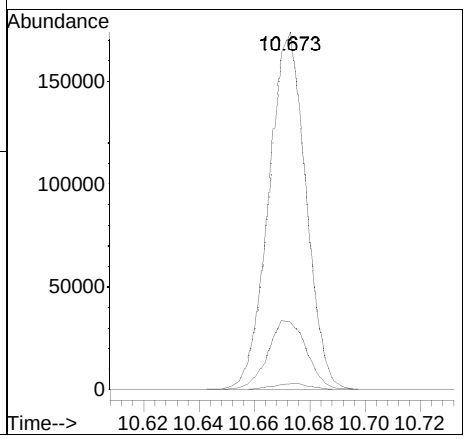


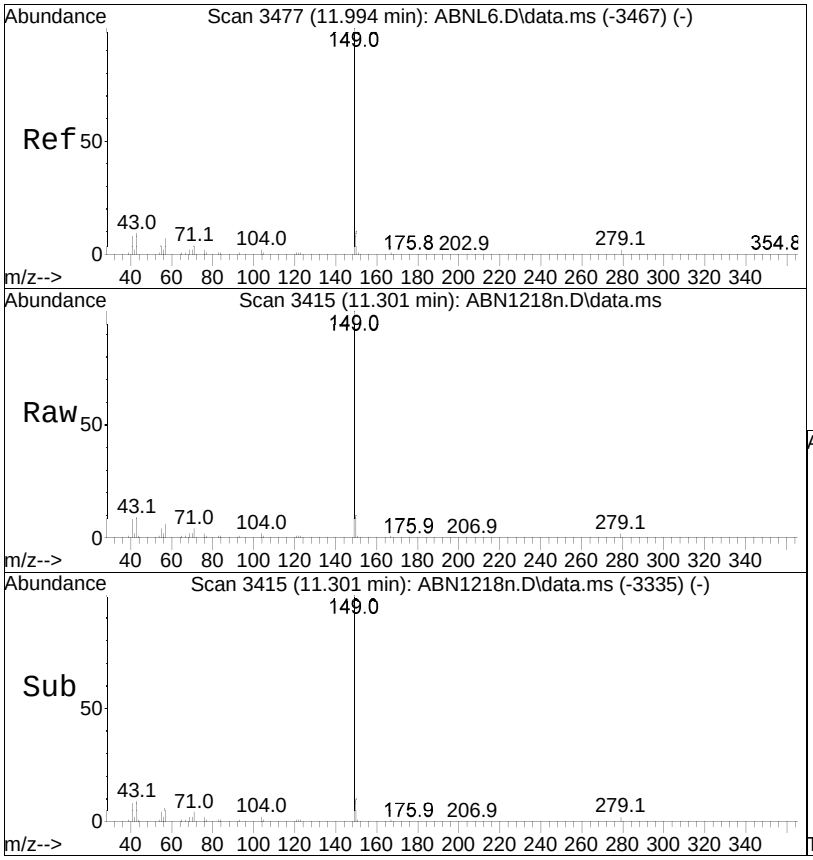


#110
Bis(2-ethylhexyl)phthalate
Concen: 5.25 ug/ml
RT: 10.673 min Scan# 3213
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:149 Resp: 160123

Ion	Ratio	Lower	Upper
149	100		
167	20.2	22.1	33.1#
279	1.5	3.0	4.4#

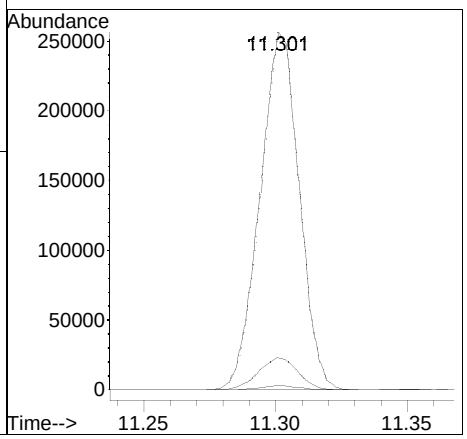


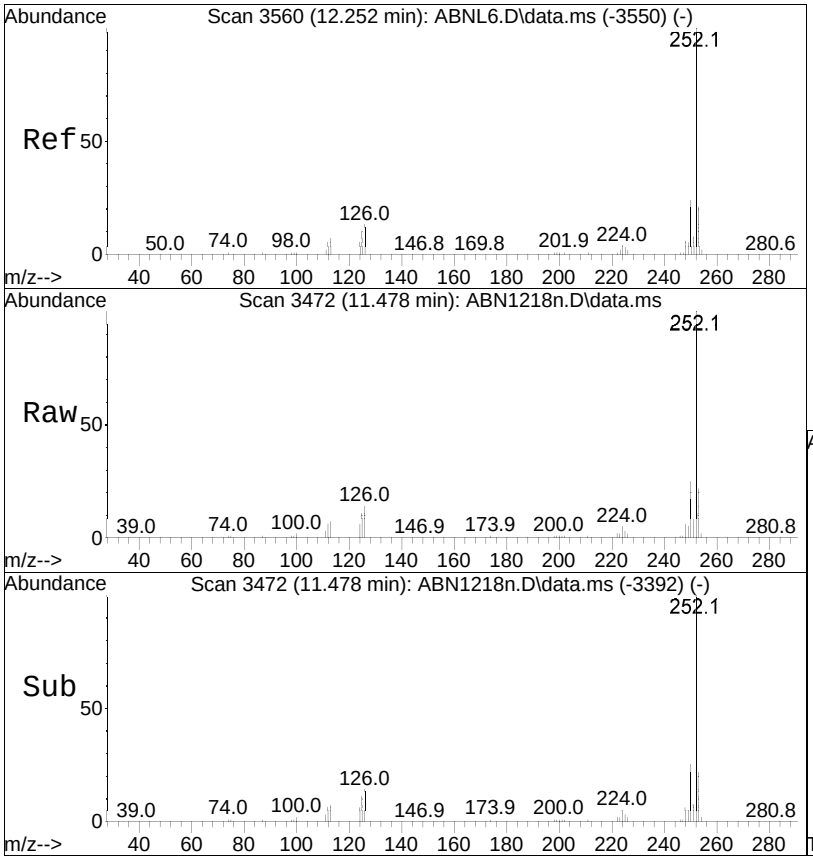


#111
Di-n-octylphthalate
Concen: 5.14 ug/ml
RT: 11.301 min Scan# 3415
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:149 Resp: 261733

Ion	Ratio	Lower	Upper
149	100		
43	9.1	18.8	28.2#
167	1.1	1.3	1.9#

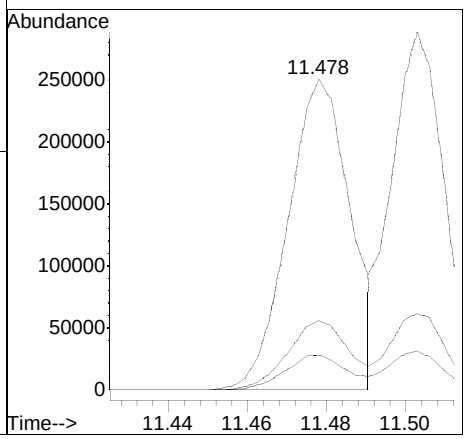


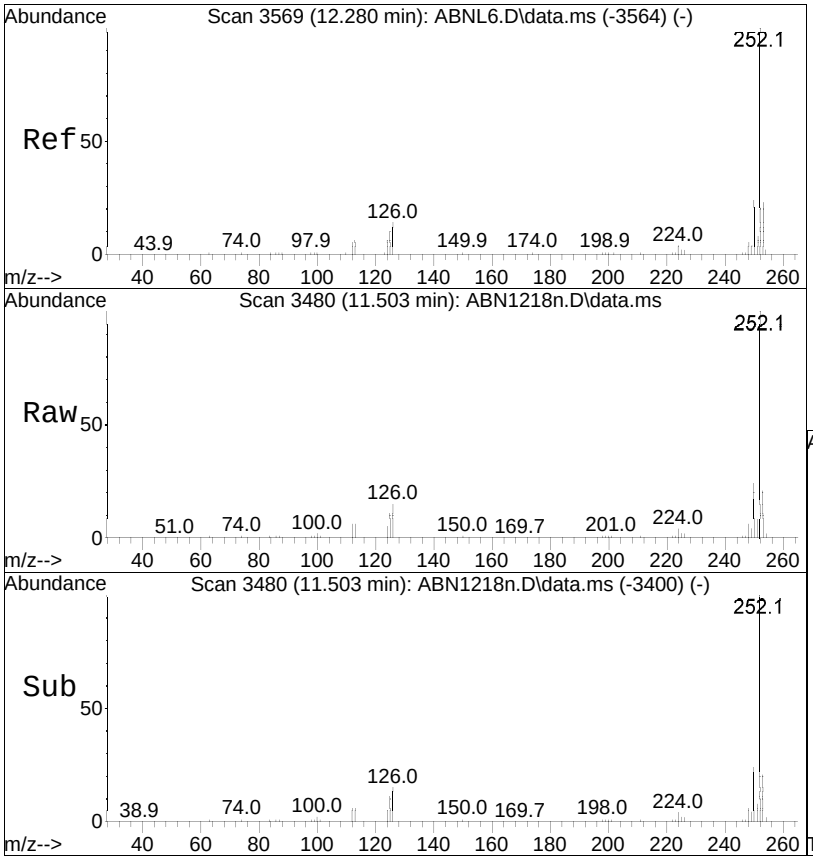


#112
Benzo(b)fluoranthene
Concen: 4.59 ug/ml
RT: 11.478 min Scan# 3472
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:252 Resp: 273674

Ion	Ratio	Lower	Upper
252	100		
125	11.3	13.3	19.9#
253	22.0	17.1	25.7

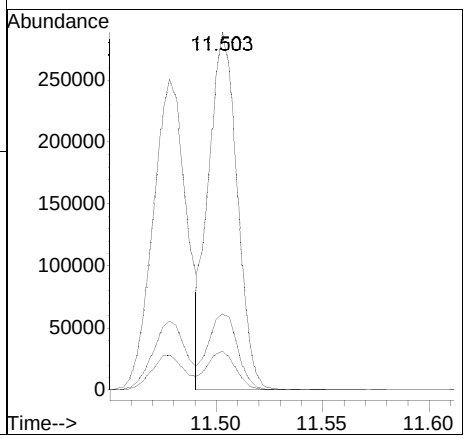


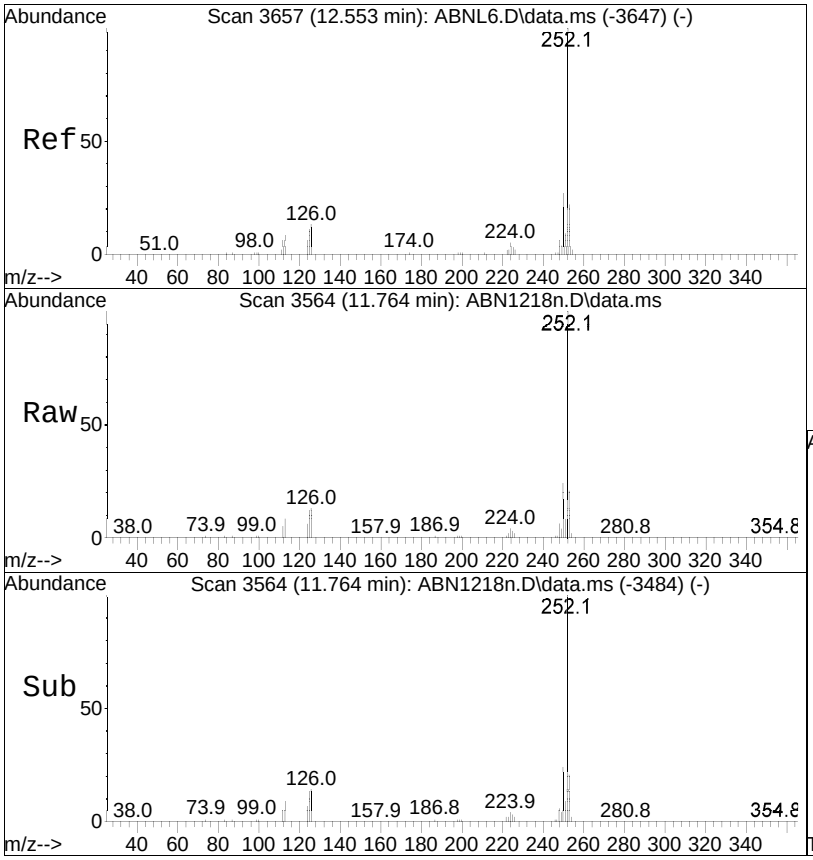


#113
Benzo(k)fluoranthene
Concen: 4.61 ug/ml
RT: 11.503 min Scan# 3480
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:252 Resp: 267889

Ion	Ratio	Lower	Upper
252	100		
125	10.9	13.0	19.6#
253	21.9	16.8	25.2

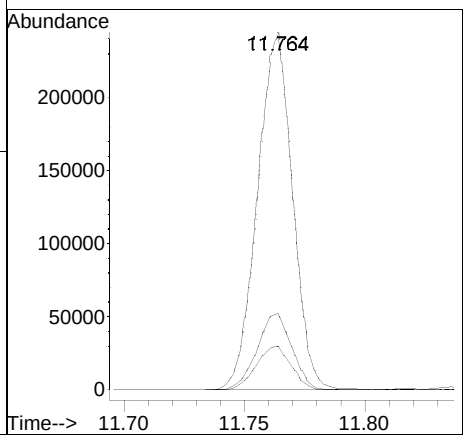


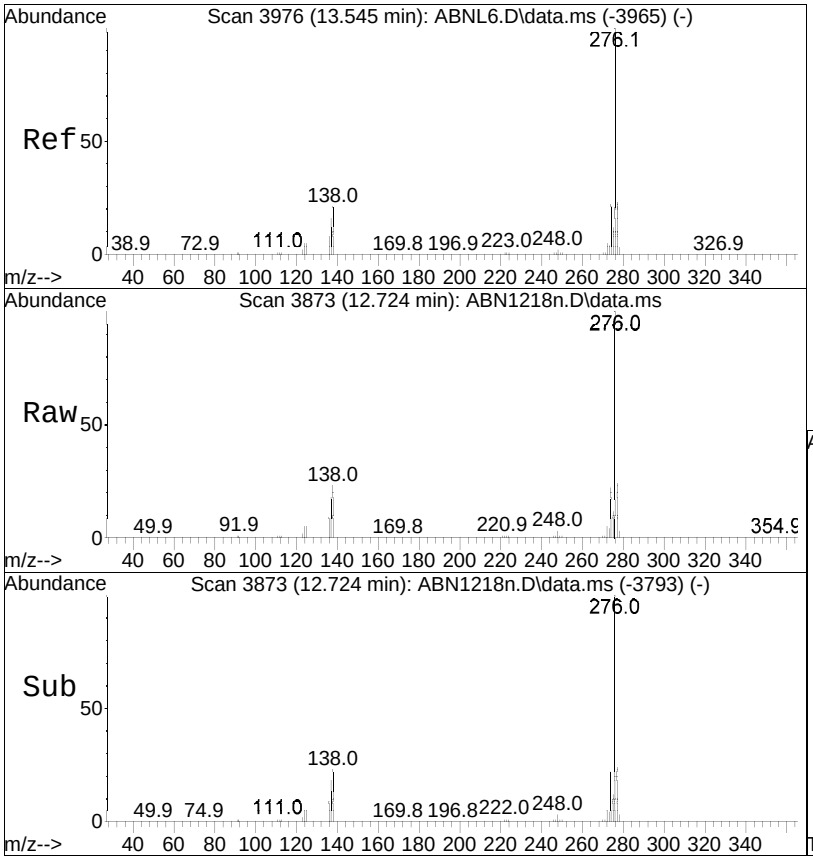


#114
Benzo(a)pyrene
Concen: 4.61 ug/ml
RT: 11.764 min Scan# 3564
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:252 Resp: 245601

Ion	Ratio	Lower	Upper
252	100		
125	12.5	14.2	21.2#
253	21.5	16.9	25.3

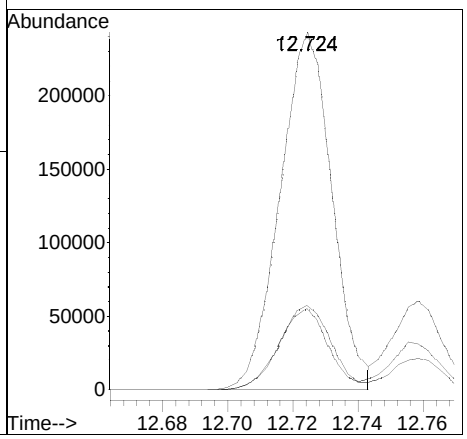


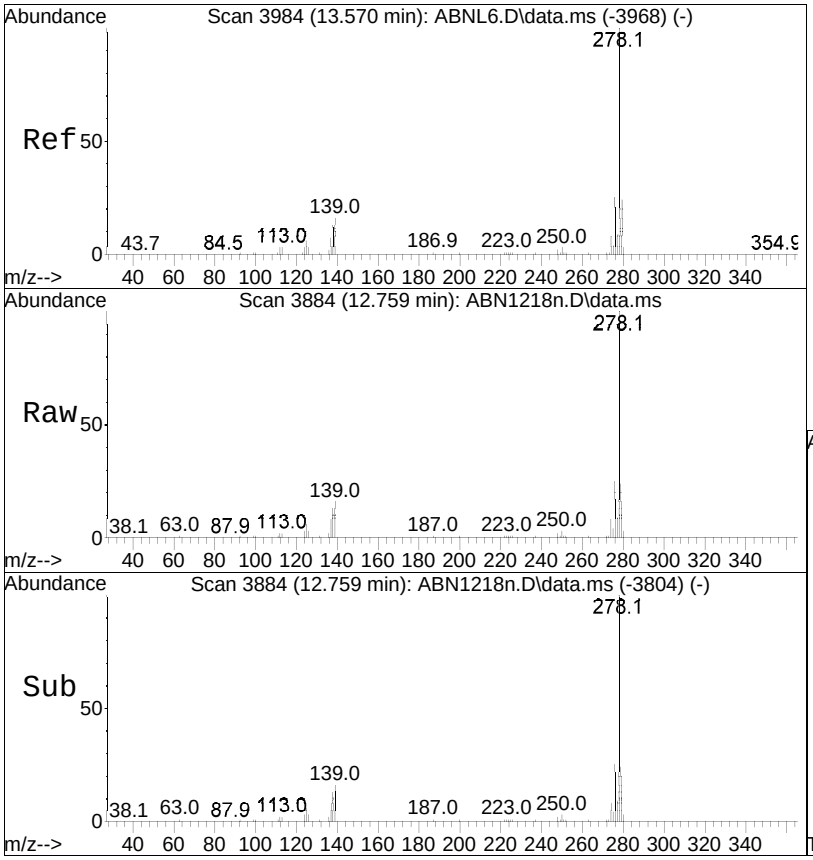


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.41 ug/mL
RT: 12.724 min Scan# 3873
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:276 Resp: 267492

Ion	Ratio	Lower	Upper
276	100		
138	21.9	25.1	37.7#
277	23.9	18.6	28.0

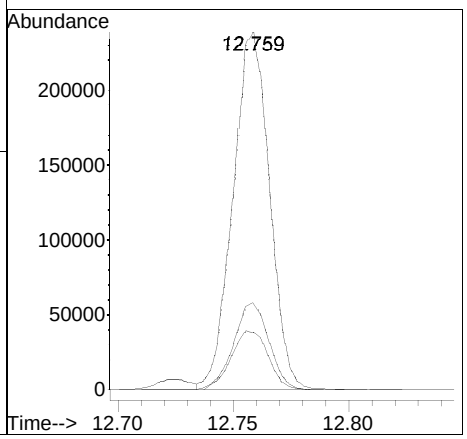


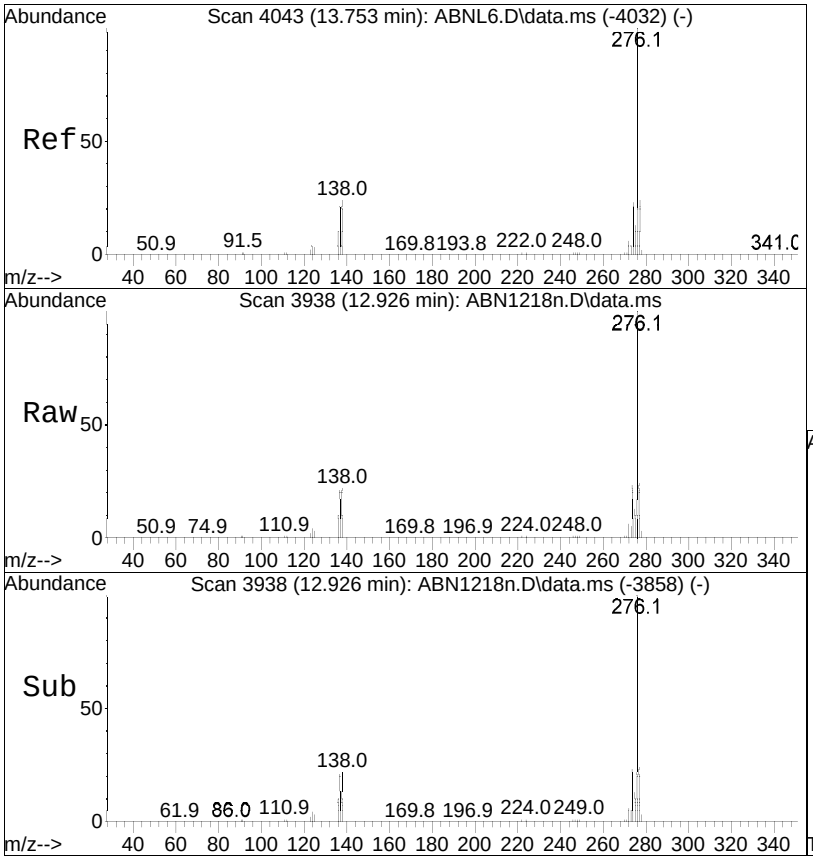


#117
Dibenzo(a,h)anthracene
Concen: 4.38 ug/ml
RT: 12.759 min Scan# 3884
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:278 Resp: 261241

Ion	Ratio	Lower	Upper
278	100		
139	16.7	20.8	31.2#
279	23.7	18.3	27.5

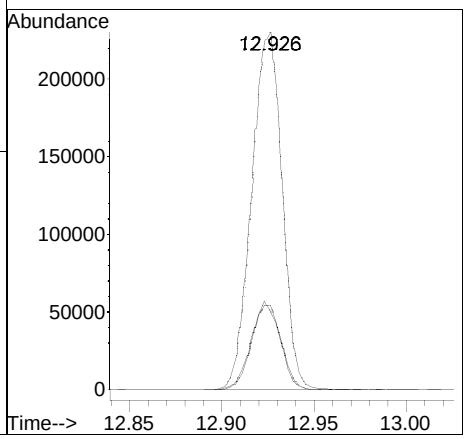




#118
Benzo(ghi)perylene
Concen: 4.46 ug/ml
RT: 12.926 min Scan# 3938
Delta R.T. 0.000 min
Lab File: ABN1218n.D
Acq: 18 Dec 2024 11:39 pm

Tgt Ion:276 Resp: 261775

Ion	Ratio	Lower	Upper
276	100		
138	23.6	29.2	43.8#
277	23.6	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241218NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1218n.D	Operator	: Dakota:im
Date Inj'd	: 12/18/2024 11:39 pm	Instrument	: Dakota
Sample	: WG2011025-3,32,,ABN RVT CC	Quant Date	: 12/19/2024 0:04 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241218NRVT\
Data File : AP91218n.D
Acq On : 19 Dec 2024 12:02 am
Operator : Dakota:im
Sample : WG2011025-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2011025,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 19 00:19:47 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
28	T	Benzaldehyde	0.703	0.759	-8.0	86	0.00
29	T	Acetophenone	1.403	1.597	-13.8	95	0.00
30	T	m-Toluidine	1.287	1.445	-12.3	95	0.00
31	T	2-Chloroaniline	1.368	1.563	-14.3	95	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	97	0.00
58	T	a-Terpineol	0.221	0.243	-10.0	100	0.00
59	T	3-Chloroaniline	0.115	0.129	-12.2	100	0.00
60	T	2,6-Dichlorophenol	0.296	0.327	-10.5	99	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.131	-15.9	100	0.00
62	T	Caprolactam	0.123	0.136	-10.6	104	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.414	-0.2	92	0.00
64	T	Biphenyl	0.842	0.882	-4.8	95	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
86	T	Dichloran	0.169	0.182	-7.7	106	0.00
87	T	Pentachloronitrobenzene	0.187	0.211	-12.8	113	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	99	0.00
101	T	Diphenamid	0.416	0.452	-8.7	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : AP91218n.D
Acq On : 19 Dec 2024 12:02 am
Operator : Dakota:im
Sample : WG2011025-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2011025,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 19 00:19:47 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:21:22 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	3.633	152	24549	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	4.892	136	95614	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	6.574	164	61894	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	7.963	188	141713	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.167	105	23300	5.397	ug/ml		97
29)	Acetophenone	4.072	105	48999	5.689	ug/ml	#	79
30)	m-Toluidine	4.162	106	44331	5.613	ug/ml		94
31)	2-Chloroaniline	4.519	127	47949	5.711	ug/ml	#	91
58)	a-Terpineol	4.985	59	29046	5.488	ug/ml	#	84
59)	3-Chloroaniline	4.995	65	15404	5.624	ug/ml		96
60)	2,6-Dichlorophenol	5.013	162	39089	5.533	ug/ml	#	83
61)	1-chloro-2-nitrobenzene	5.265	111	15603	5.754	ug/ml	#	1
62)	Caprolactam	5.306	55	16242	5.529	ug/ml	#	78
63)	1,2,4,5-Tetrachloroben...	5.766	216	49505	5.015	ug/ml	#	94
64)	Biphenyl	6.058	154	105422	5.240	ug/ml		98
86)	Dichloran	7.696	206	14072	5.382	ug/ml	#	62
87)	Pentachloronitrobenzene	7.836	237	16351	5.664	ug/ml	#	73
101)	Diphenamid	8.899	167	80109	5.436	ug/ml	#	77

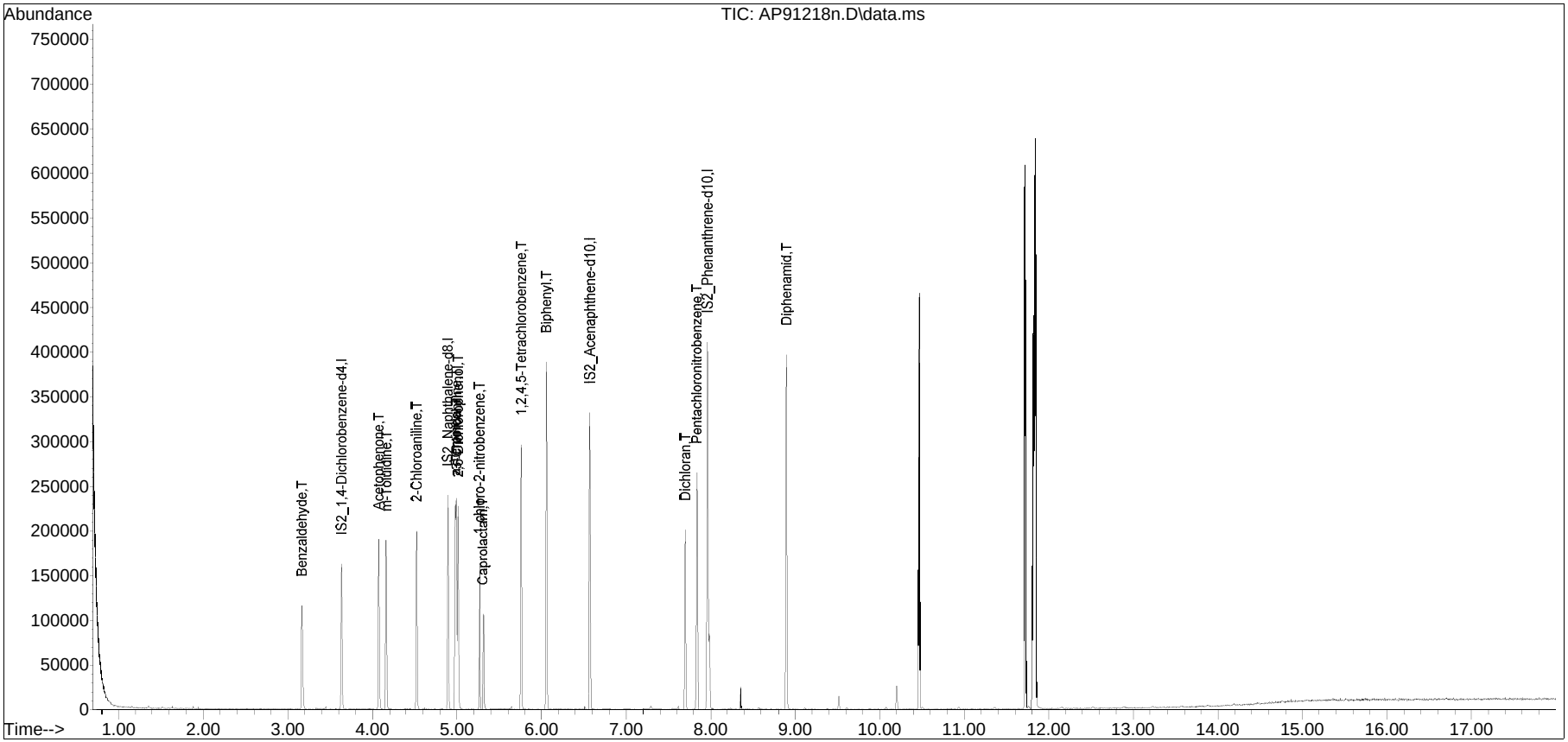
(#) = qualifier out of range (m) = manual integration (+) = signals summed

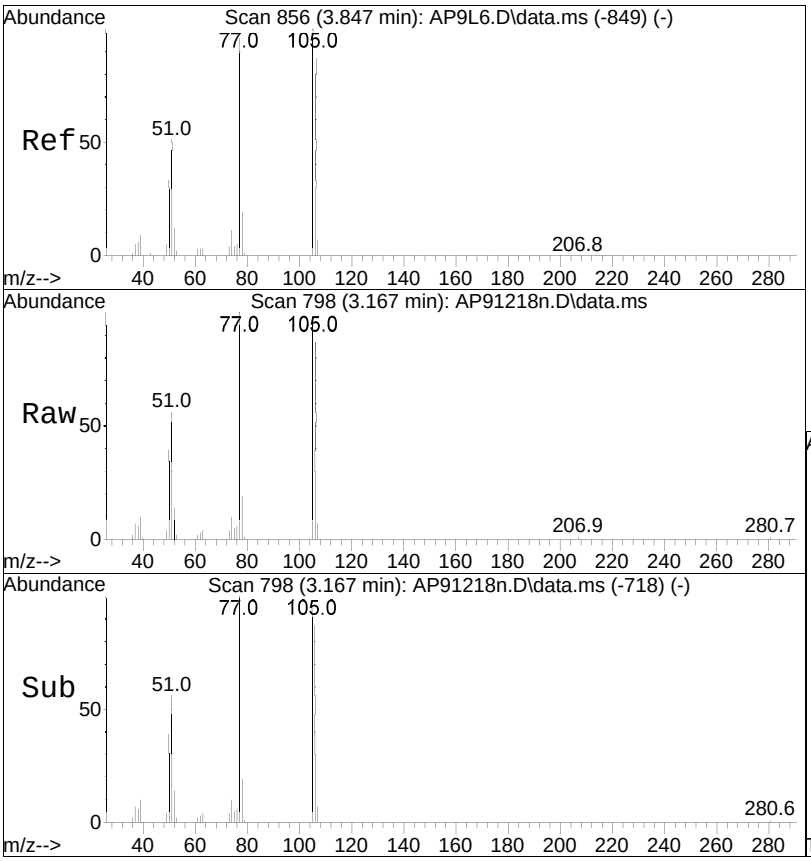
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : AP91218n.D
Acq On : 19 Dec 2024 12:02 am
Operator : Dakota:im
Sample : WG2011025-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2011025,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 19 00:19:47 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:21:22 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

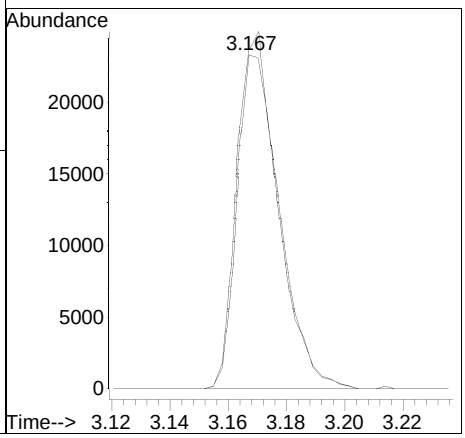


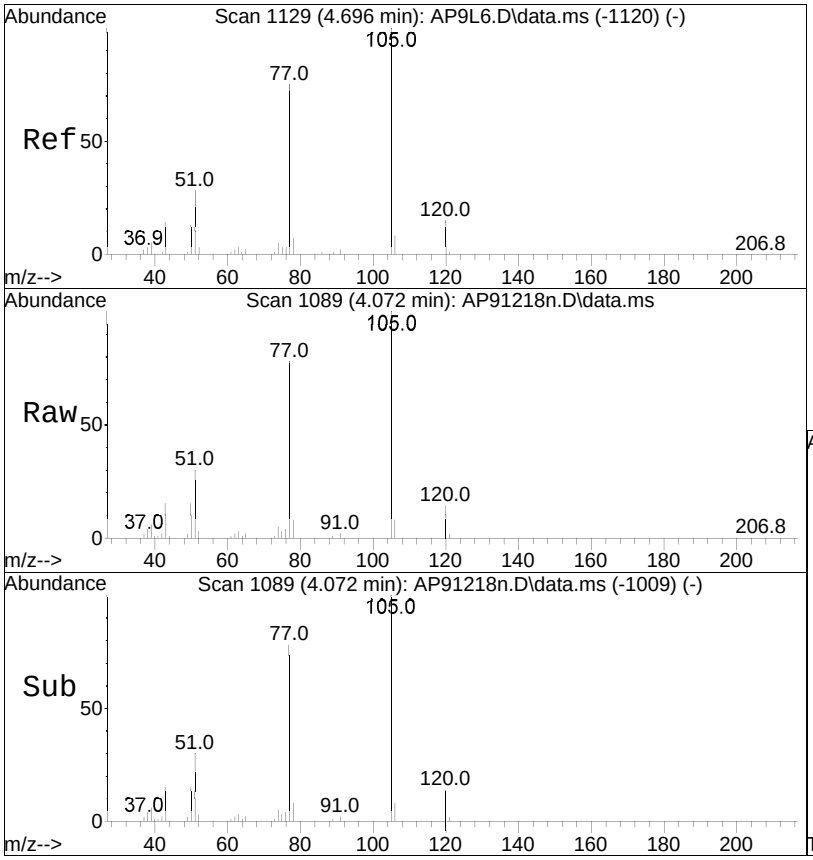


#28
Benzaldehyde
Concen: 5.40 ug/ml
RT: 3.167 min Scan# 798
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:105 Resp: 23300

Ion	Ratio	Lower	Upper
105	100		
77	106.1	82.2	123.4

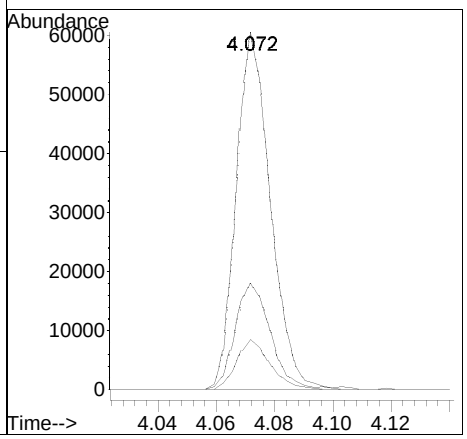


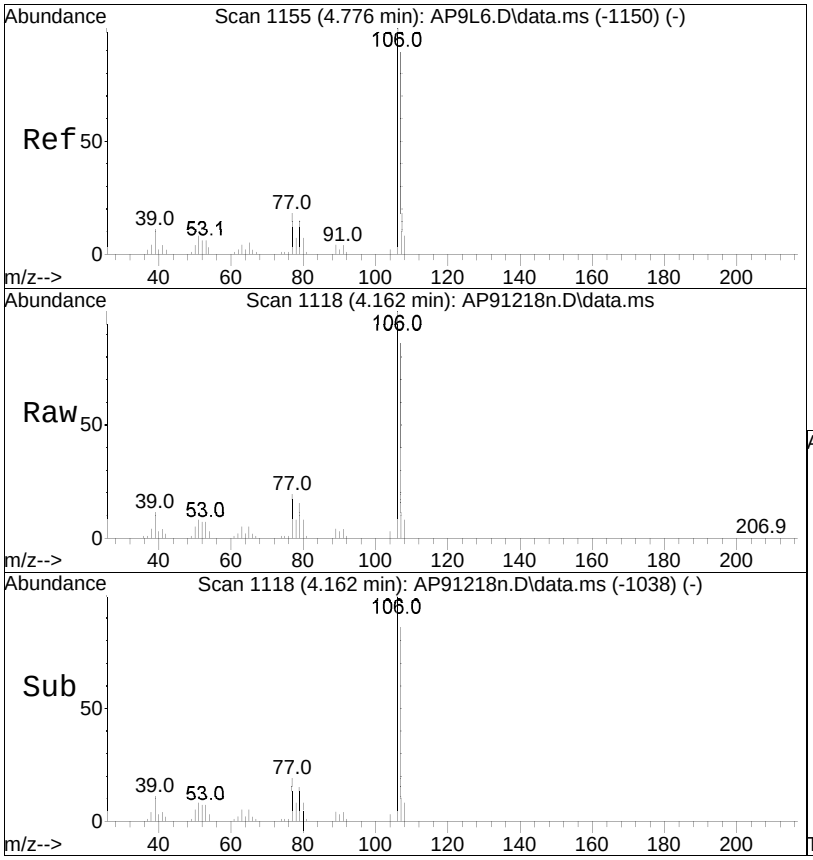


#29
Acetophenone
Concen: 5.69 ug/ml
RT: 4.072 min Scan# 1089
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:105 Resp: 48999

Ion	Ratio	Lower	Upper
105	100		
120	13.8	20.5	30.7#
51	30.9	34.9	52.3#

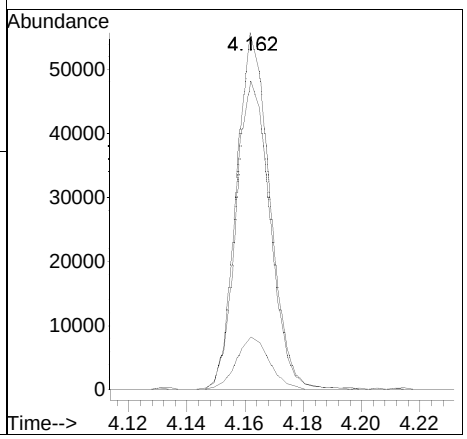


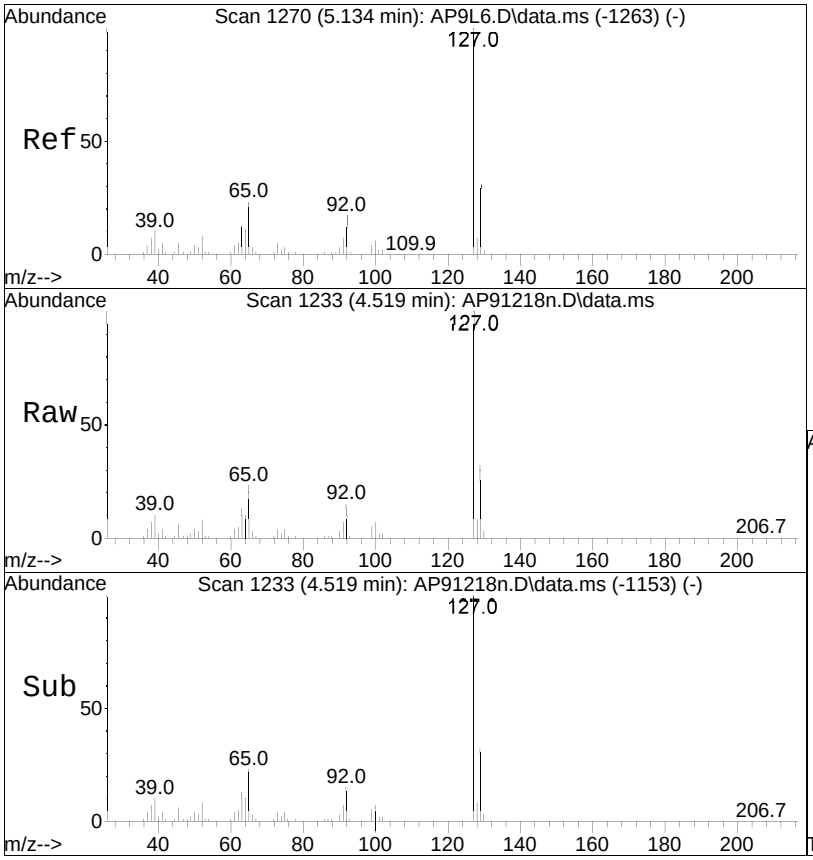


#30
m-Toluidine
Concen: 5.61 ug/ml
RT: 4.162 min Scan# 1118
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:106 Resp: 44331

Ion	Ratio	Lower	Upper
106	100		
107	88.4	75.7	113.5
79	14.6	11.8	17.8

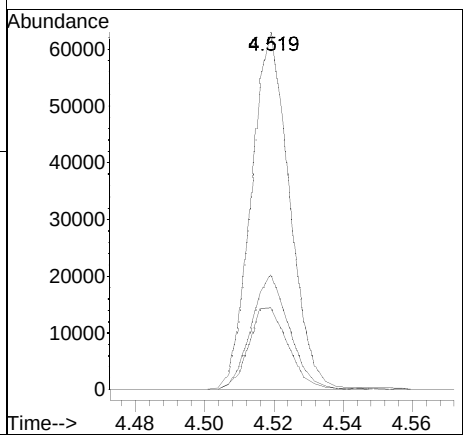


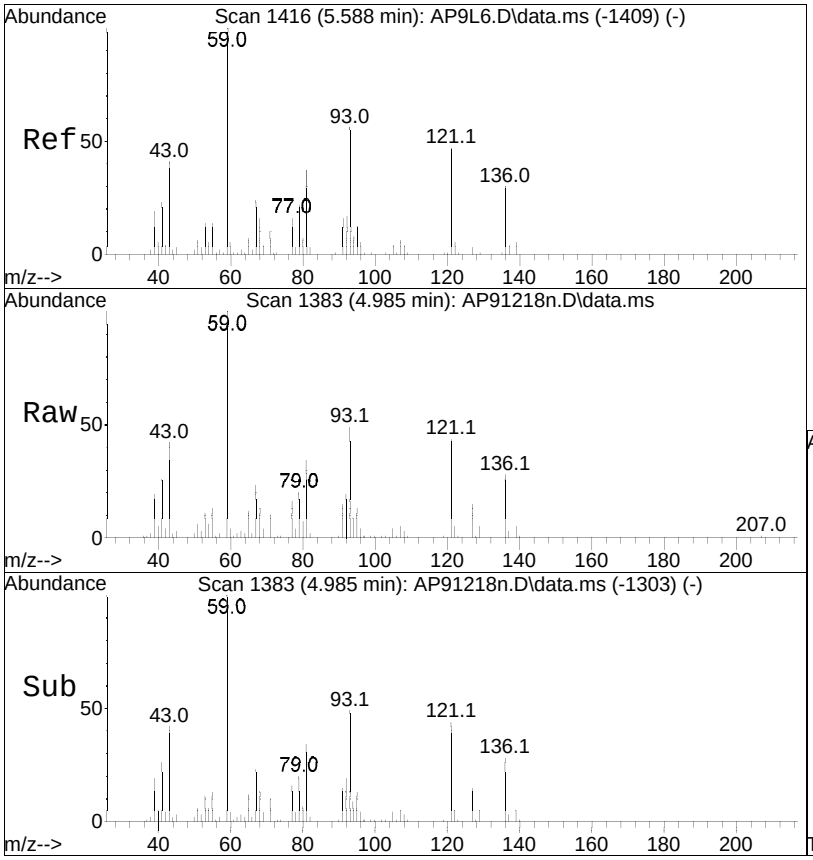


#31
2-Chloroaniline
Concen: 5.71 ug/ml
RT: 4.519 min Scan# 1233
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:127 Resp: 47949

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	23.8	26.3	39.5#

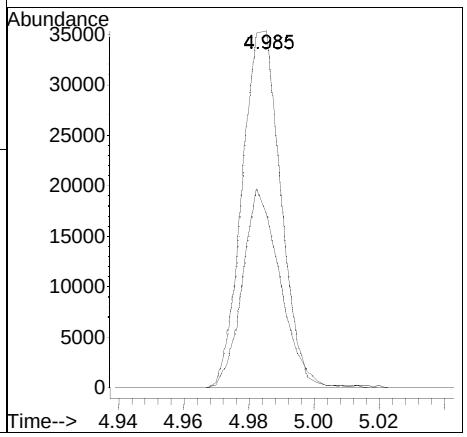


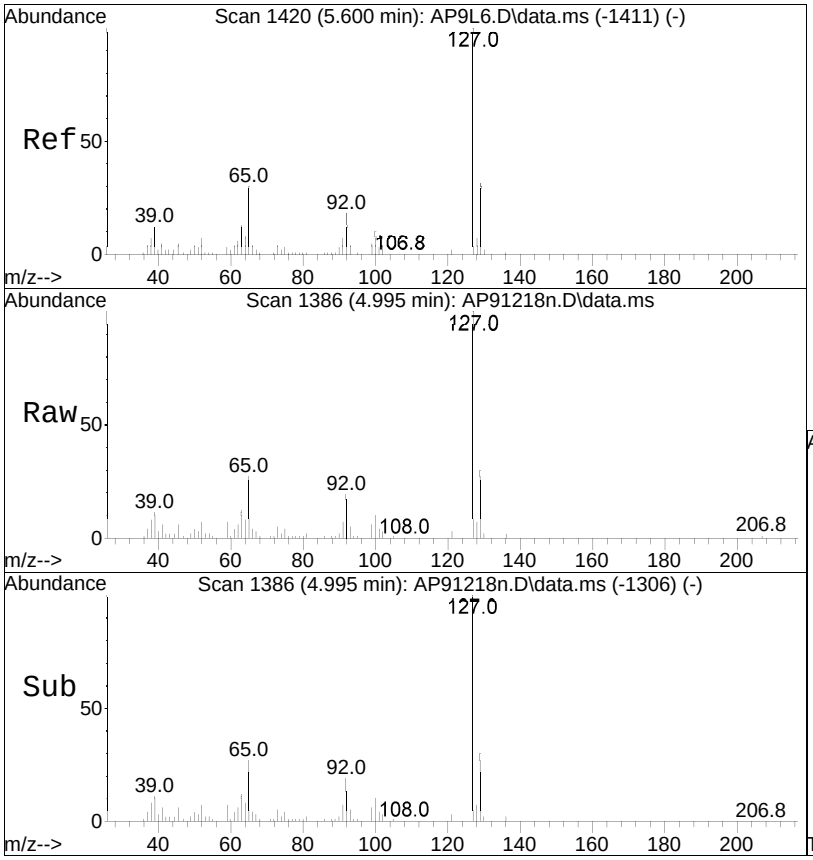


#58
a-Terpineol
Concen: 5.49 ug/ml
RT: 4.985 min Scan# 1383
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion: 59 Resp: 29046

Ion	Ratio	Lower	Upper
59	100		
93	54.8	35.6	53.4#

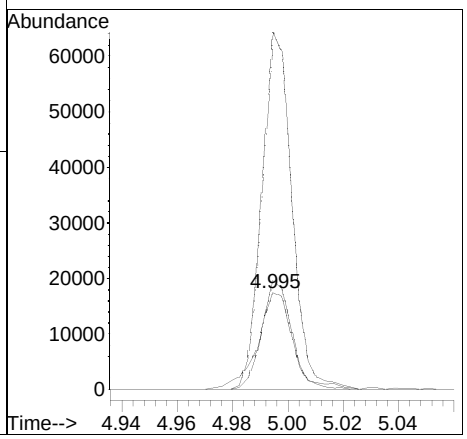


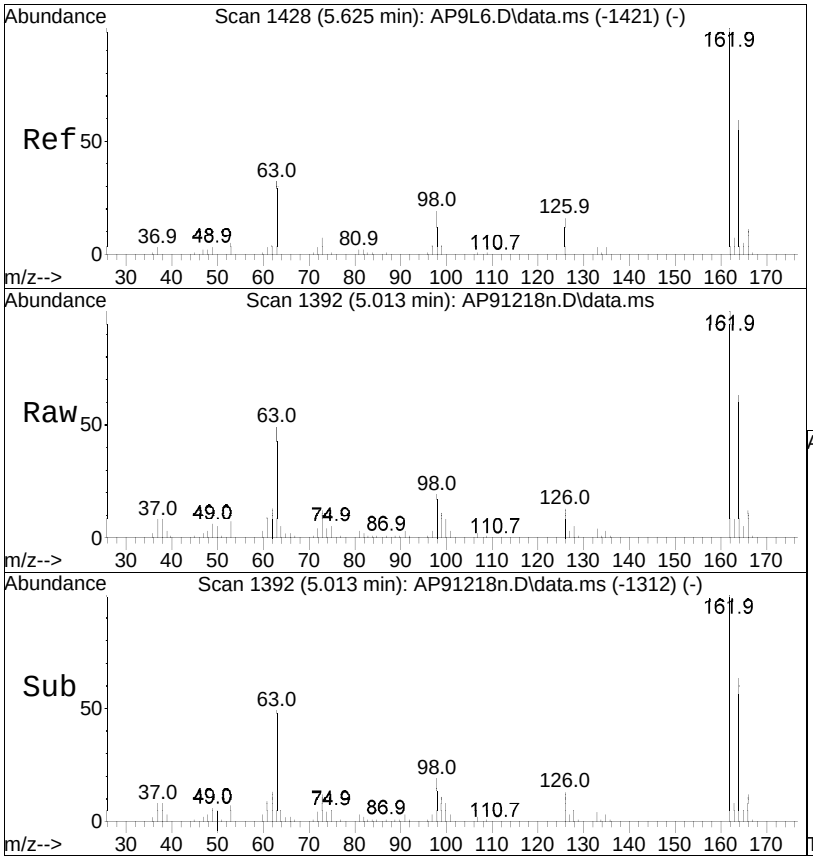


#59
3-Chloroaniline
Concen: 5.62 ug/ml
RT: 4.995 min Scan# 1386
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion: 65 Resp: 15404

Ion	Ratio	Lower	Upper
65	100		
127	311.5	243.2	364.8
129	95.7	78.8	118.2

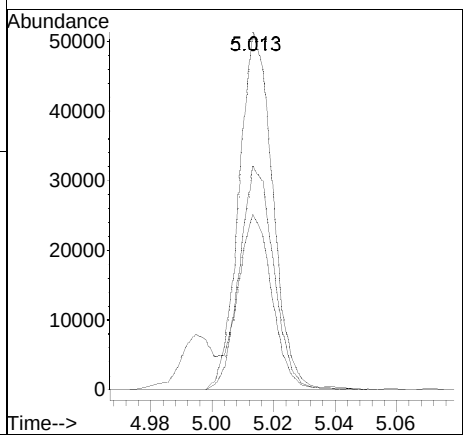


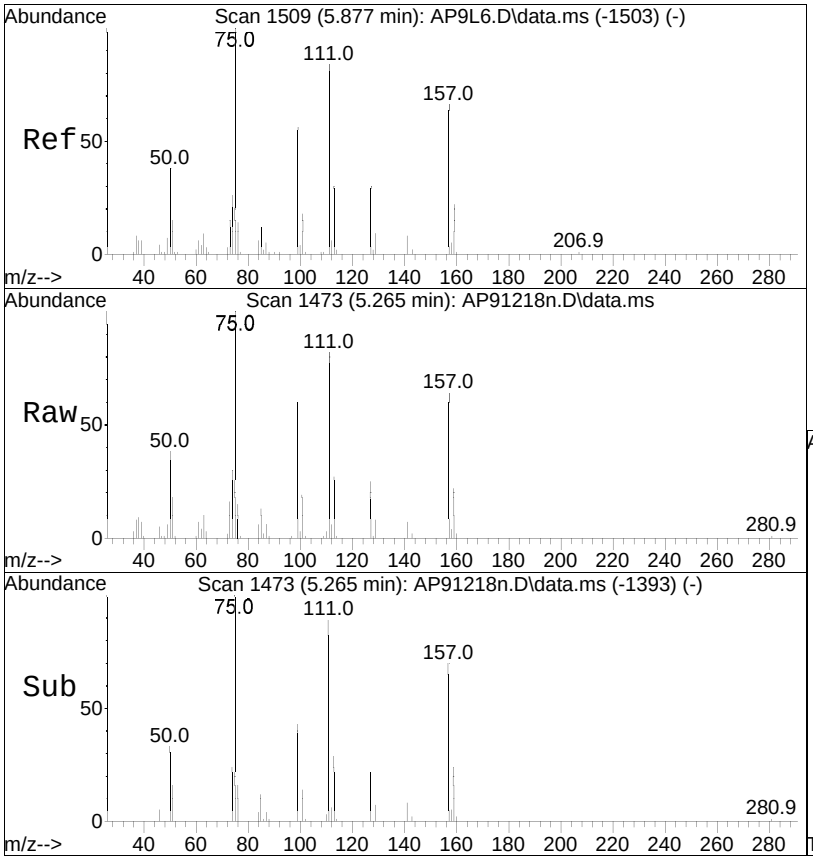


#60
2,6-Dichlorophenol
Concen: 5.53 ug/ml
RT: 5.013 min Scan# 1392
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:162 Resp: 39089

Ion	Ratio	Lower	Upper
162	100		
164	63.1	51.1	76.7
63	50.3	60.8	91.2#

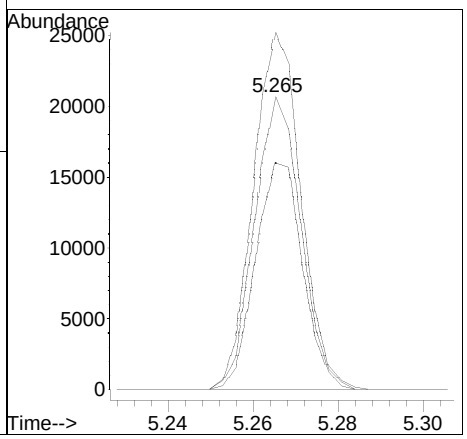


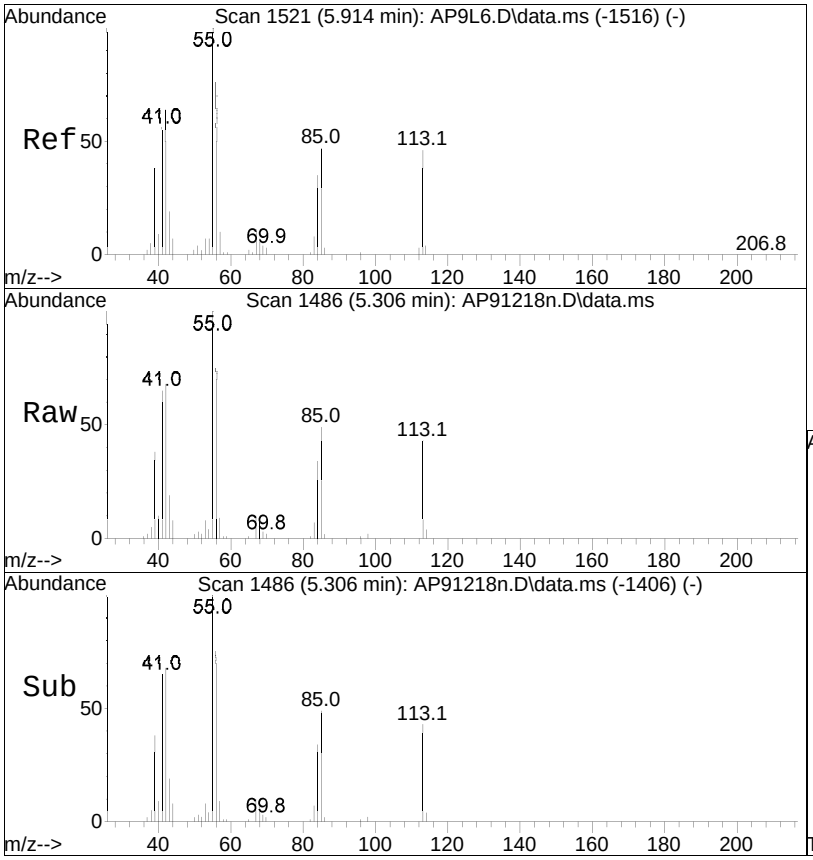


#61
1-chloro-2-nitrobenzene
Concen: 5.75 ug/ml
RT: 5.265 min Scan# 1473
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:111 Resp: 15603

Ion	Ratio	Lower	Upper
111	100		
157	78.7	0.0	0.0#
75	124.9	28.2	42.2#

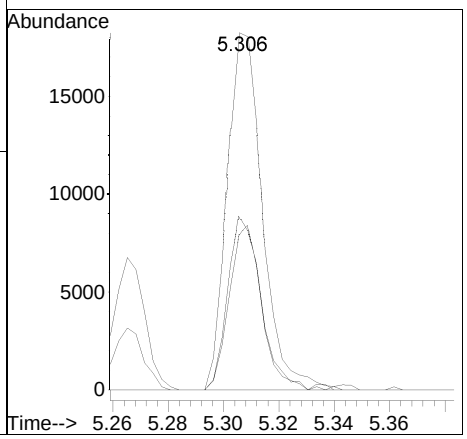


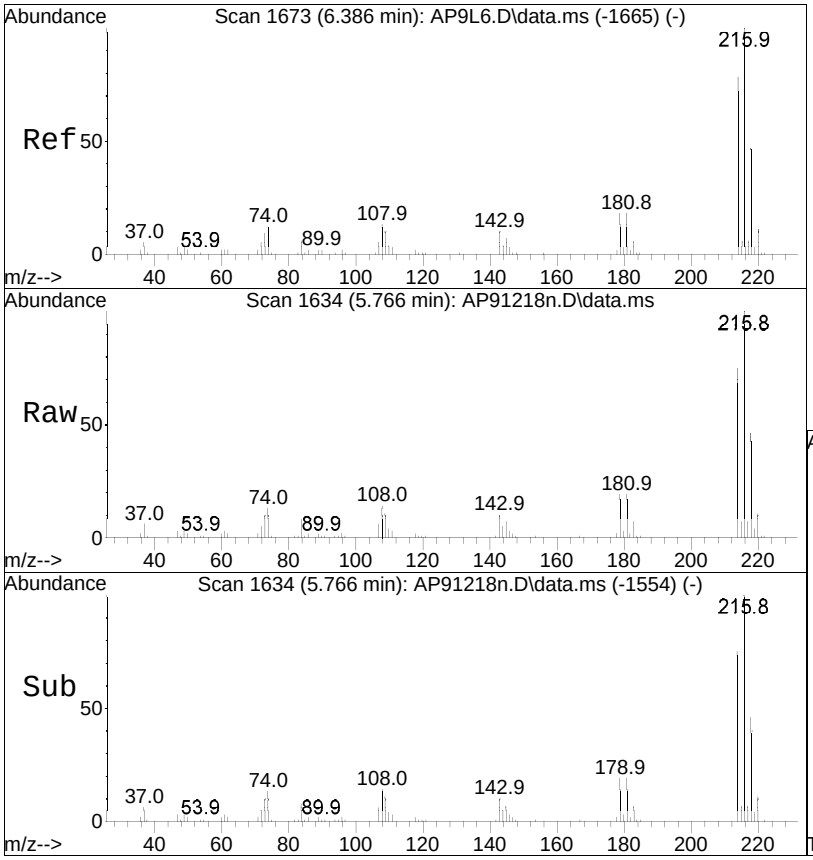


#62
Caprolactam
Concen: 5.53 ug/ml
RT: 5.306 min Scan# 1486
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion: 55 Resp: 16242

Ion	Ratio	Lower	Upper
55	100		
85	45.7	19.8	29.6#
113	41.9	29.6	44.4

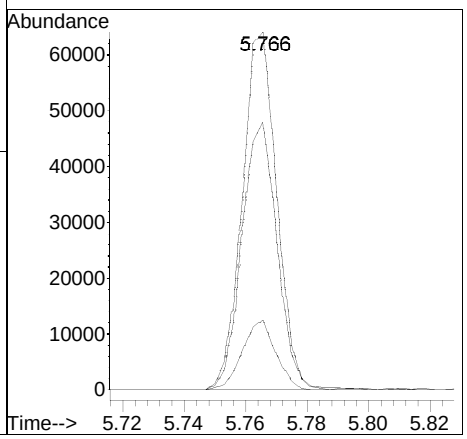


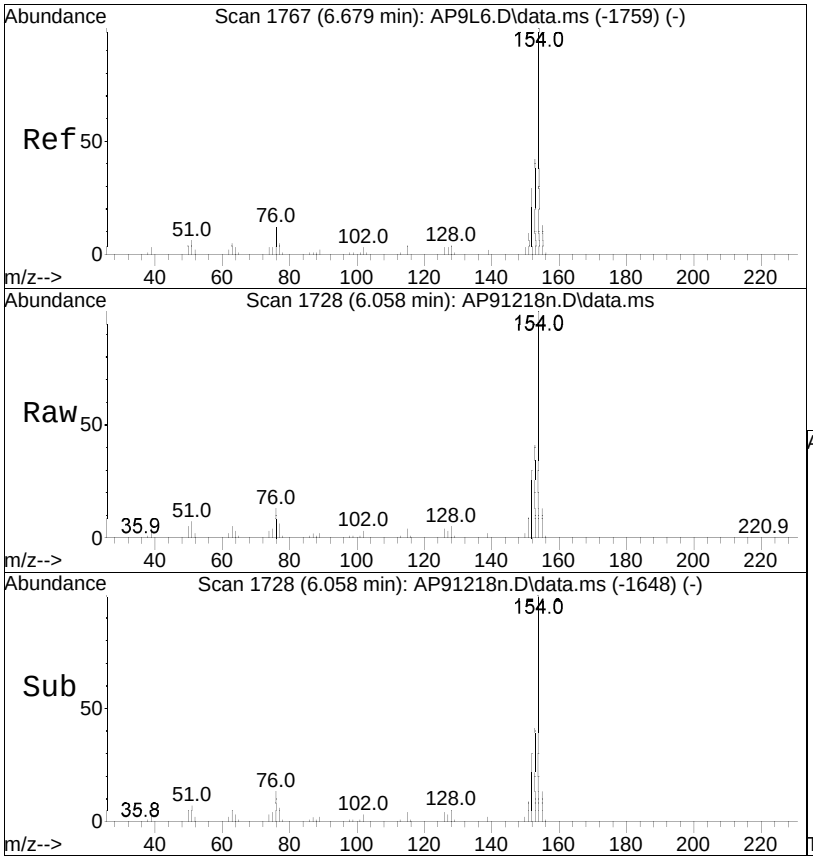


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.02 ug/ml
RT: 5.766 min Scan# 1634
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:216 Resp: 49505

Ion	Ratio	Lower	Upper
216	100		
214	75.8	63.7	95.5
179	18.9	19.0	28.6#

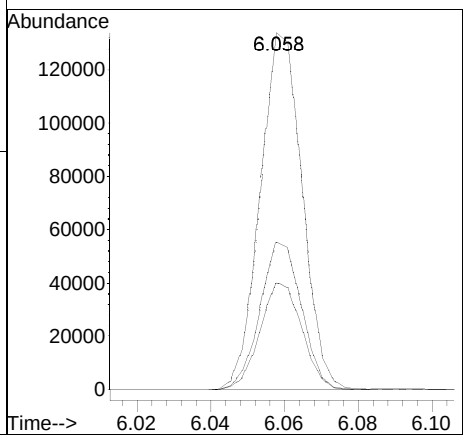


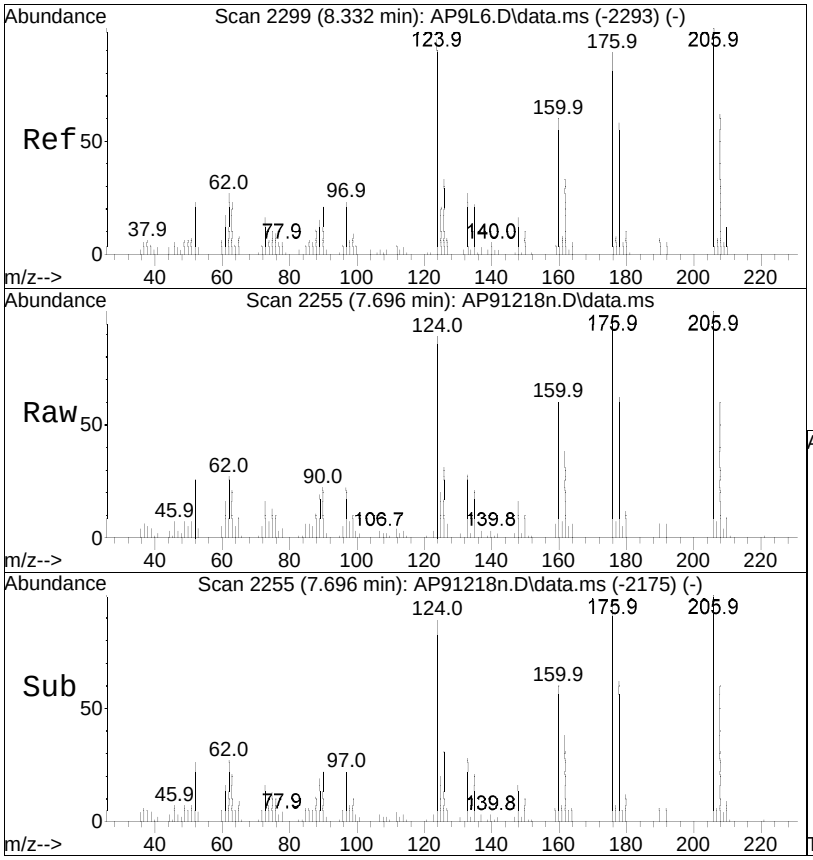


#64
Biphenyl
Concen: 5.24 ug/ml
RT: 6.058 min Scan# 1728
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:154 Resp: 105422

Ion	Ratio	Lower	Upper
154	100		
153	41.0	32.3	48.5
152	30.1	22.5	33.7

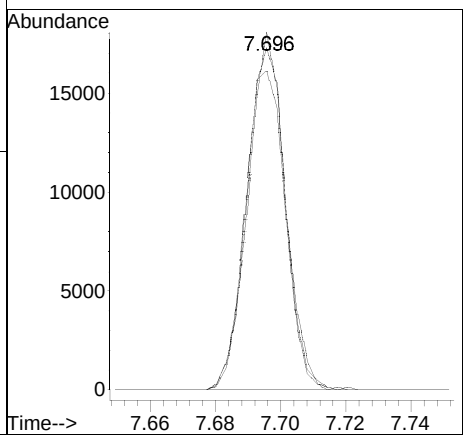


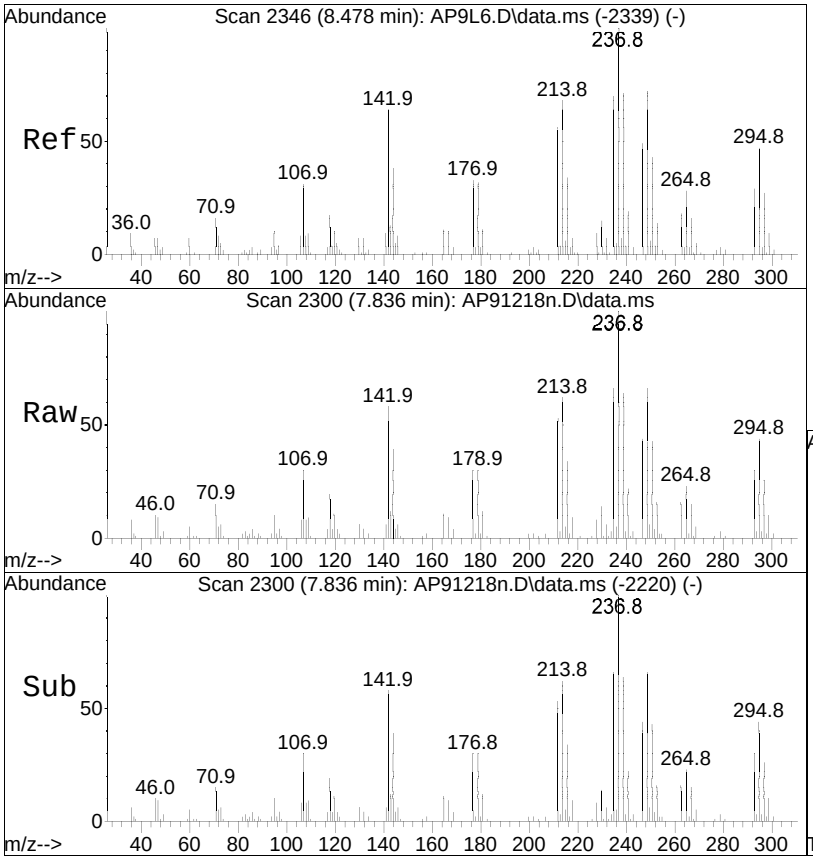


#86
Dichloran
Concen: 5.38 ug/ml
RT: 7.696 min Scan# 2255
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:206 Resp: 14072

Ion	Ratio	Lower	Upper
206	100		
176	103.5	104.6	157.0#
124	96.9	130.5	195.7#

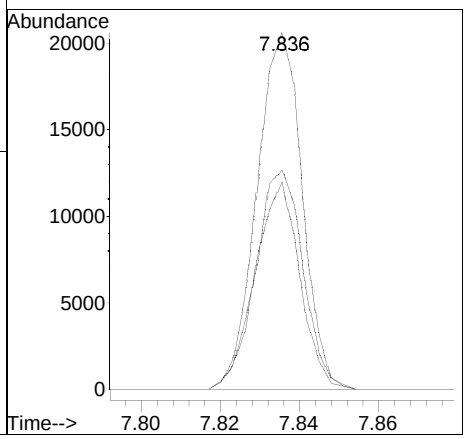


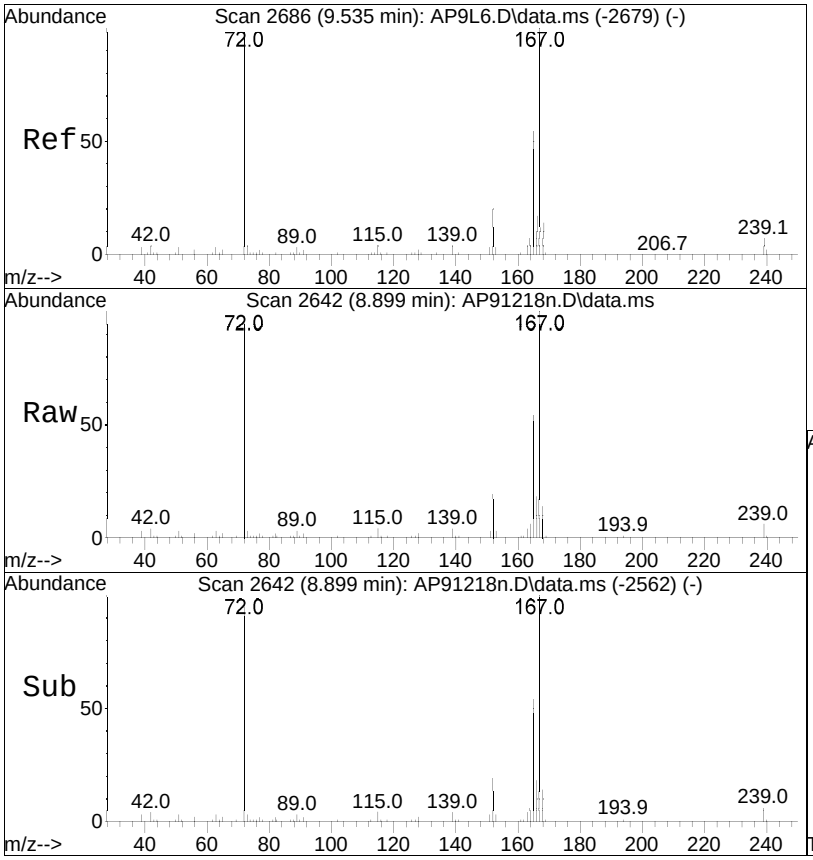


#87
Pentachloronitrobenzene
Concen: 5.66 ug/ml
RT: 7.836 min Scan# 2300
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:237 Resp: 16351

Ion	Ratio	Lower	Upper
237	100		
142	57.3	77.0	115.4#
214	64.7	58.2	87.4

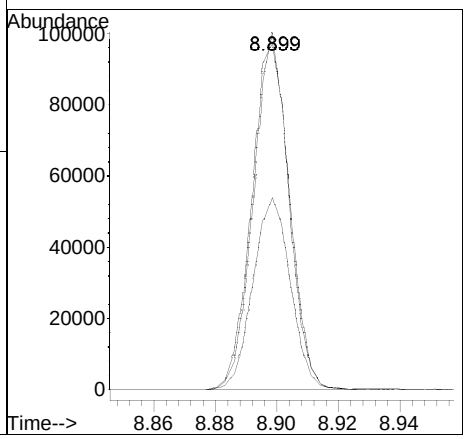




#101
Diphenamid
Concen: 5.44 ug/ml
RT: 8.899 min Scan# 2642
Delta R.T. 0.000 min
Lab File: AP91218n.D
Acq: 19 Dec 2024 12:02 am

Tgt Ion:167 Resp: 80109

Ion	Ratio	Lower	Upper
167	100		
72	101.9	109.7	164.5#
165	56.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241218NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91218n.D	Operator	: Dakota:im
Date Inj'd	: 12/19/2024 12:02 am	Instrument	: Dakota
Sample	: WG2011025-4,32,,AP9 RVT CC	Quant Date	: 12/19/2024 0:21 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ADP1218n.D
Acq On : 19 Dec 2024 12:24 am
Operator : Dakota:im
Sample : WG2011025-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2011025,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 19 00:50:42 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	93	0.00
33	T	1,4-Dioxane		0.381	0.413	-8.4	95	0.00
35	T	n-Decane		1.048	1.085	-3.5	92	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	102	0.00
89	T	Atrazine		0.343	0.337	1.7	101	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	104	0.00
103	T	n-Octadecane		0.334	0.360	-7.8	113	0.00
104	T	Parathion	*	5.000	5.121	-2.4	120	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.677	7.0	109	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ADP1218n.D
Acq On : 19 Dec 2024 12:24 am
Operator : Dakota:im
Sample : WG2011025-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2011025,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 19 00:50:42 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:16 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.633	152	25145	4.000	ug/ml	0.00
88) IS3_Acenaphthene-d10	6.574	164	61908	4.000	ug/ml	0.00
102) IS3_Phenanthrene-d10	7.966	188	139803	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.883	88	12973	5.417	ug/ml#	90
35) n-Decane	3.559	57	34116	5.177	ug/ml#	29
89) Atrazine	7.811	200	26082	4.912	ug/ml#	88
103) n-Octadecane	8.037	57	62878	5.391	ug/ml#	1
104) Parathion	8.790	109	14945	5.121	ug/ml	88
105) 3,3'-Dimethylbenzidine	9.999	212	118303	4.649	ug/ml	99

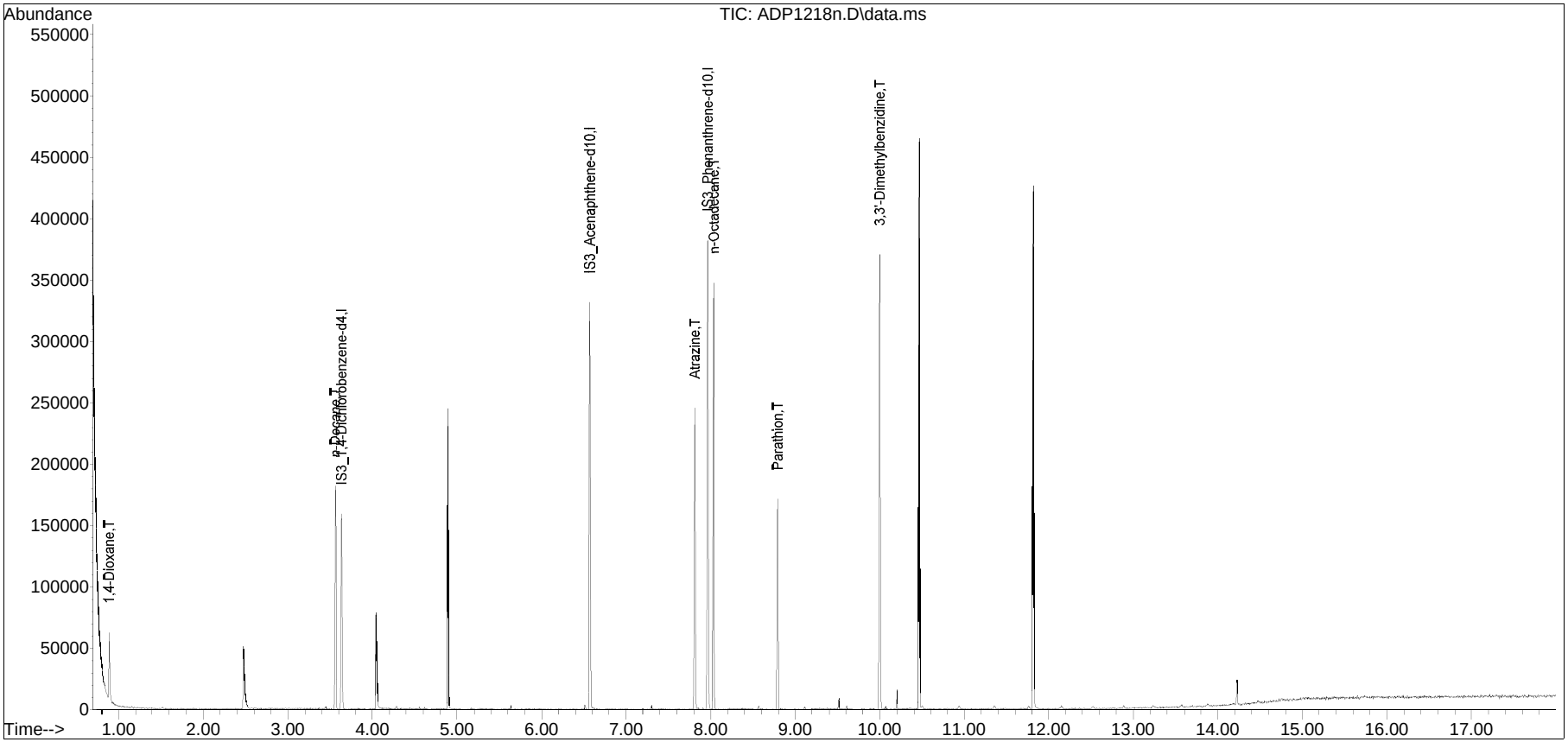
(#) = qualifier out of range (m) = manual integration (+) = signals summed

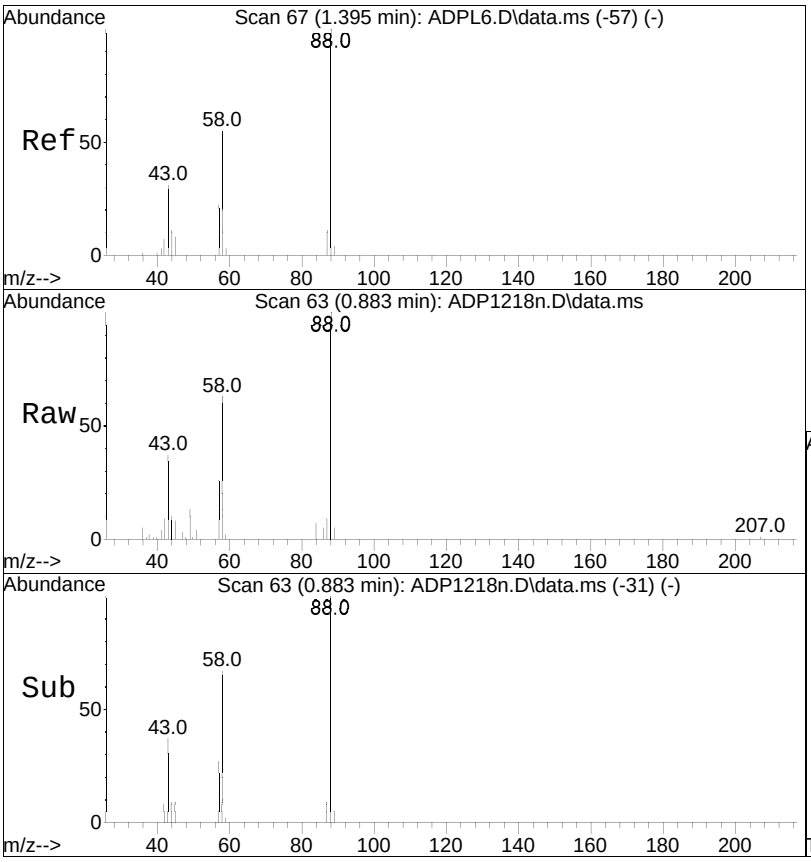
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : ADP1218n.D
Acq On : 19 Dec 2024 12:24 am
Operator : Dakota:im
Sample : WG2011025-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2011025,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 19 00:50:42 2024
Quant Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 00:52:16 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

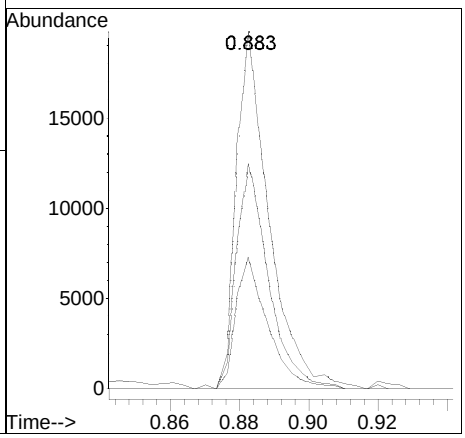


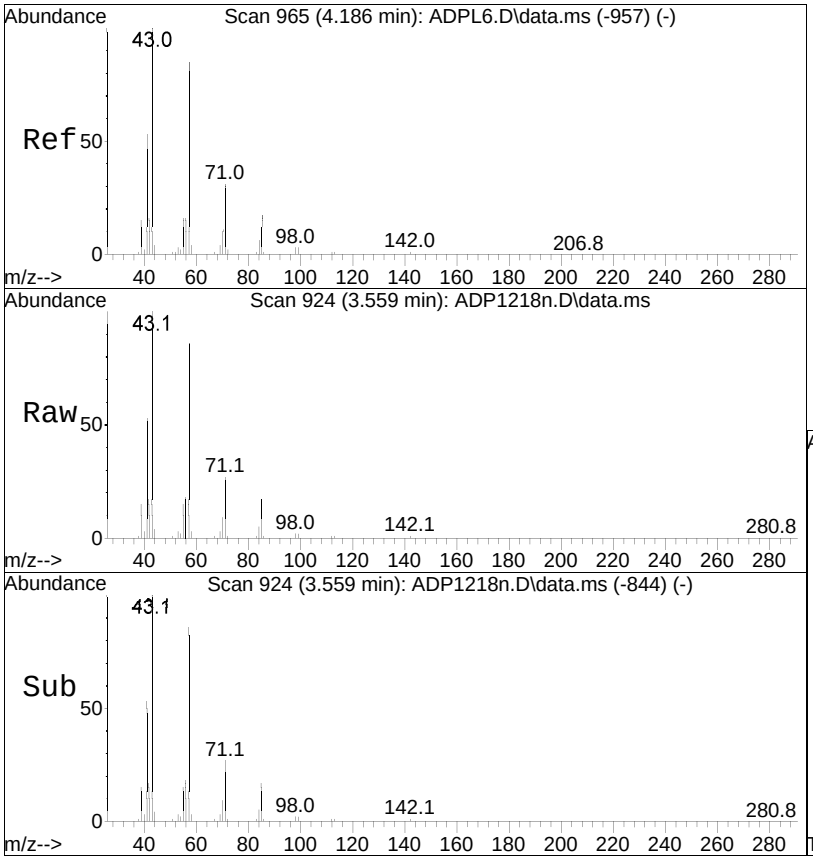


#33
1,4-Dioxane
Concen: 5.42 ug/ml
RT: 0.883 min Scan# 63
Delta R.T. 0.000 min
Lab File: ADP1218n.D
Acq: 19 Dec 2024 12:24 am

Tgt Ion: 88 Resp: 12973

Ion	Ratio	Lower	Upper
88	100		
58	61.8	44.8	67.2
43	36.1	22.4	33.6#

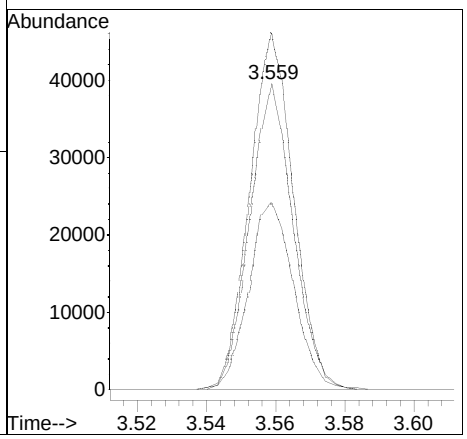


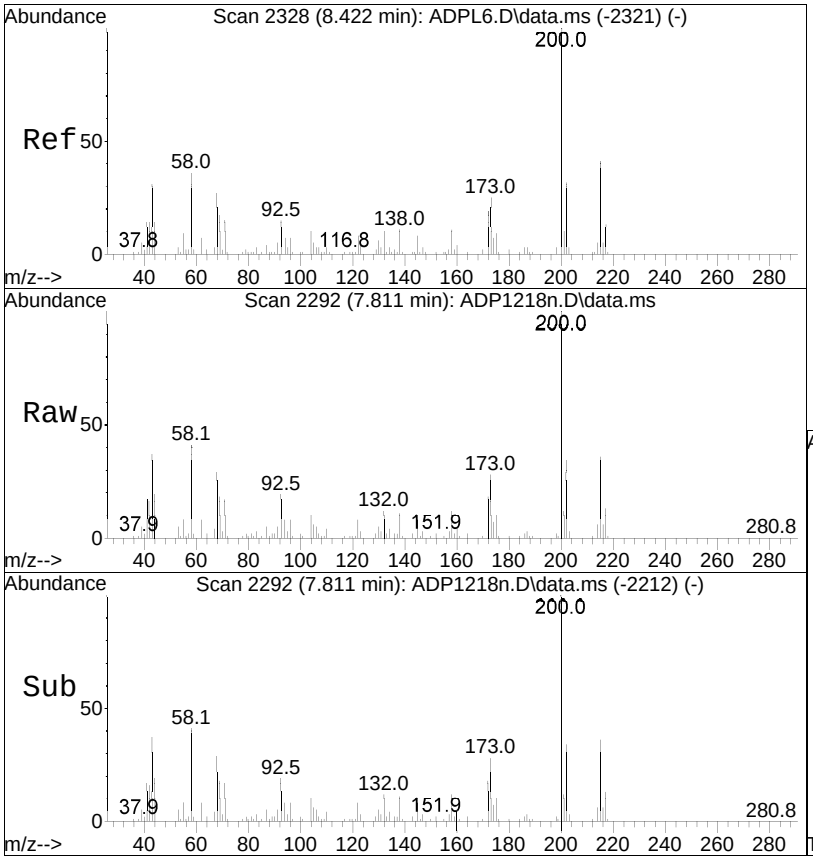


#35
n-Decane
Concen: 5.18 ug/ml
RT: 3.559 min Scan# 924
Delta R.T. 0.000 min
Lab File: ADP1218n.D
Acq: 19 Dec 2024 12:24 am

Tgt Ion: 57 Resp: 34116

Ion	Ratio	Lower	Upper
57	100		
43	118.3	0.2	0.2#
41	63.9	0.2	0.2#

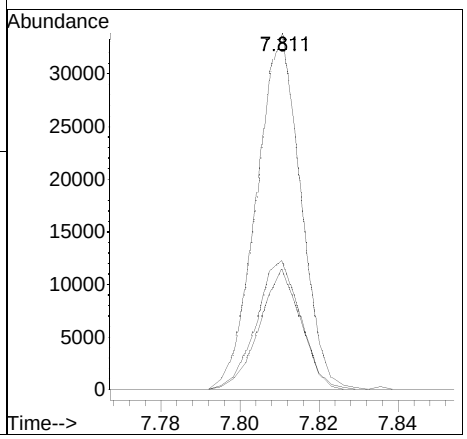


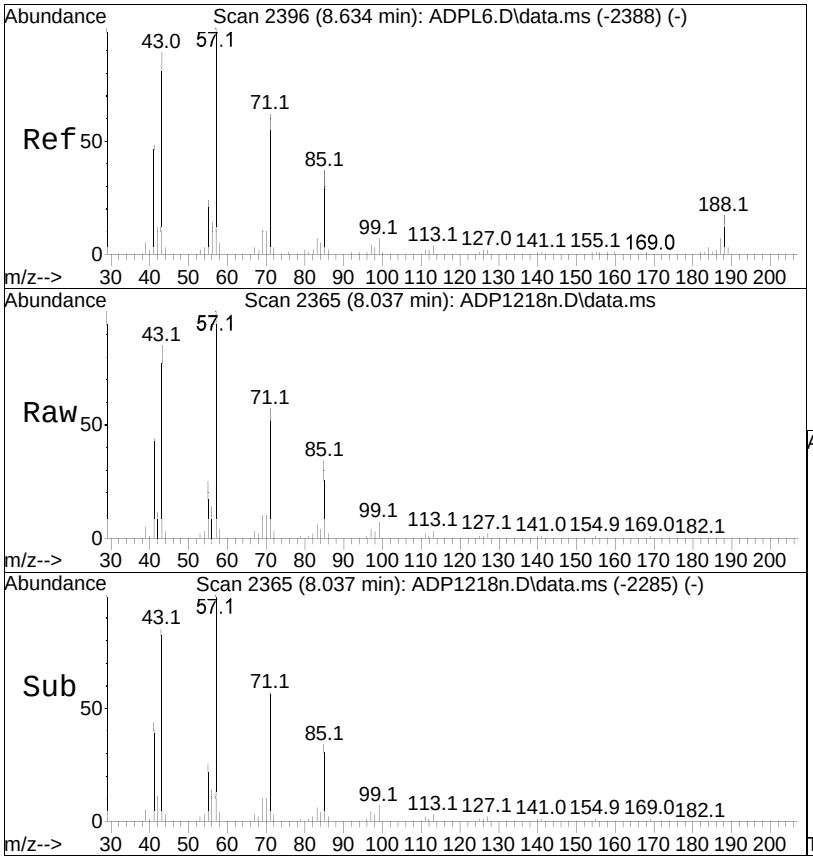


#89
Atrazine
Concen: 4.91 ug/ml
RT: 7.811 min Scan# 2292
Delta R.T. 0.000 min
Lab File: ADP1218n.D
Acq: 19 Dec 2024 12:24 am

Tgt Ion:200 Resp: 26082

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.8	38.6
215	36.6	40.2	60.4#

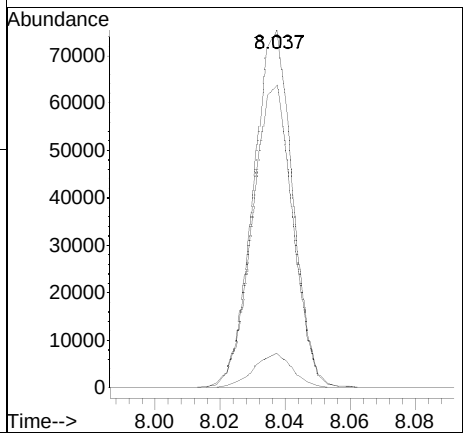


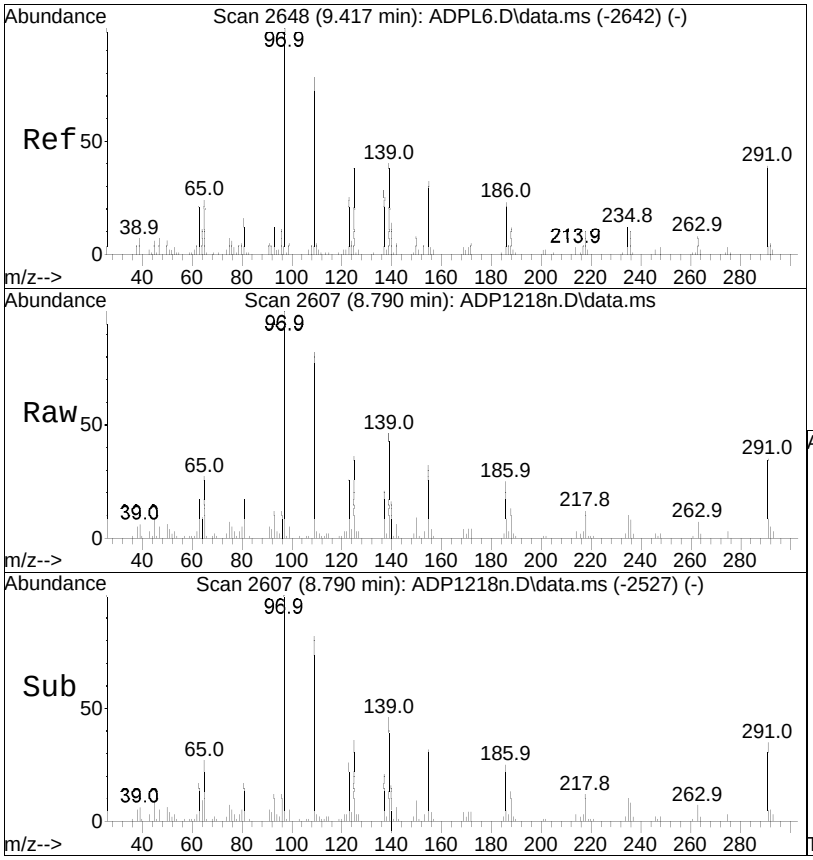


#103
n-Octadecane
Concen: 5.39 ug/ml
RT: 8.037 min Scan# 2365
Delta R.T. 0.000 min
Lab File: ADP1218n.D
Acq: 19 Dec 2024 12:24 am

Tgt Ion: 57 Resp: 62878

Ion	Ratio	Lower	Upper
57	100		
43	86.9	9.0	13.6#
70	9.4	0.2	0.2#

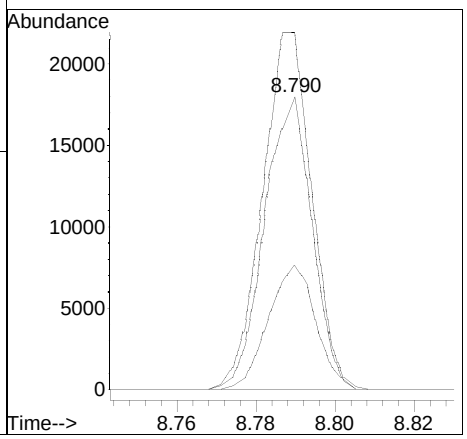


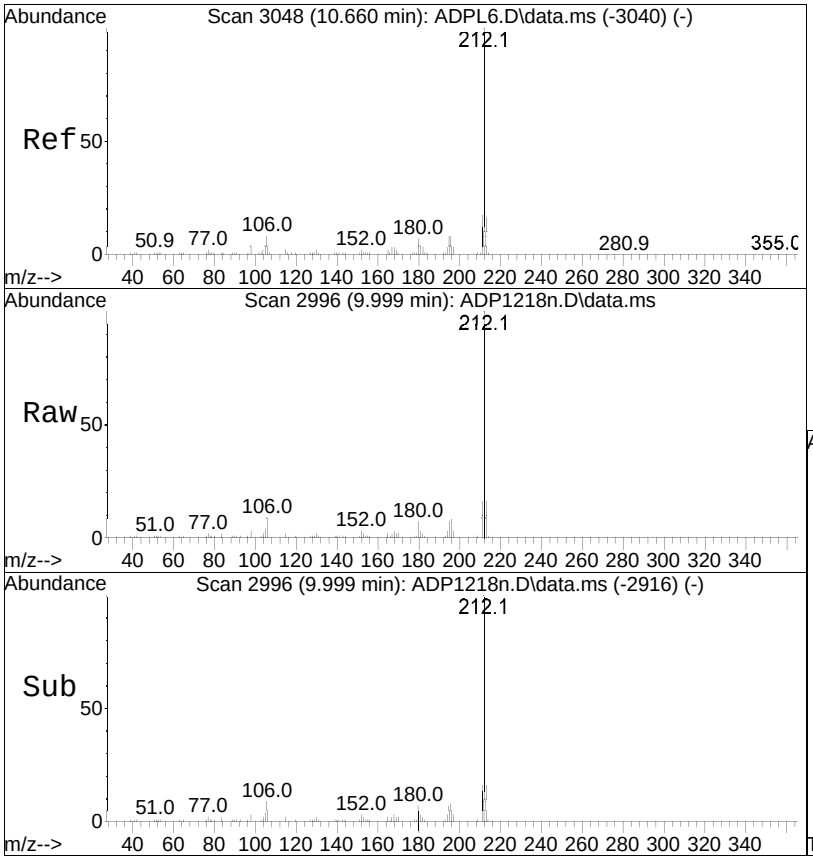


#104
Parathion
Concen: 5.12 ug/ml
RT: 8.790 min Scan# 2607
Delta R.T. 0.000 min
Lab File: ADP1218n.D
Acq: 19 Dec 2024 12:24 am

Tgt Ion:109 Resp: 14945

Ion	Ratio	Lower	Upper
109	100		
97	126.2	87.4	131.2
291	42.5	34.2	51.2

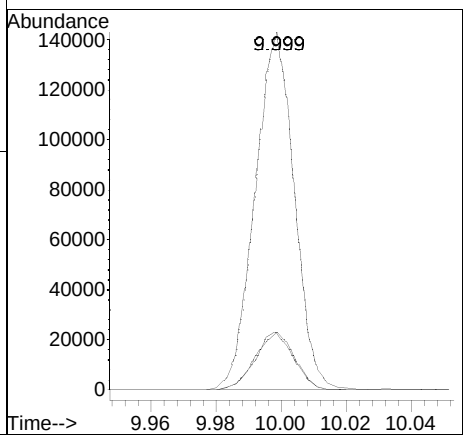




#105
3,3'-Dimethylbenzidine
Concen: 4.65 ug/ml
RT: 9.999 min Scan# 2996
Delta R.T. 0.000 min
Lab File: ADP1218n.D
Acq: 19 Dec 2024 12:24 am

Tgt Ion:212 Resp: 118303

Ion	Ratio	Lower	Upper
212	100		
211	16.4	12.9	19.3
213	15.8	13.2	19.8



Manual Integration Report

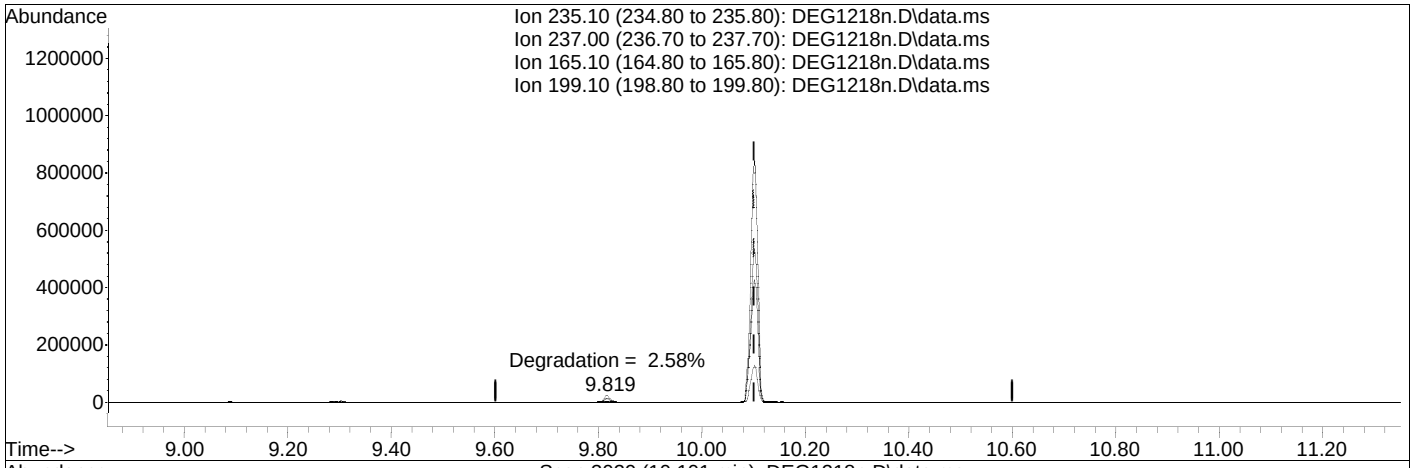
Data Path	: I:\8270\Dakota\241218NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1218n.D	Operator	: Dakota:im
Date Inj'd	: 12/19/2024 12:24 am	Instrument	: Dakota
Sample	: WG2011025-5,32,,ADP RVT CC	Quant Date	: 12/19/2024 0:52 am

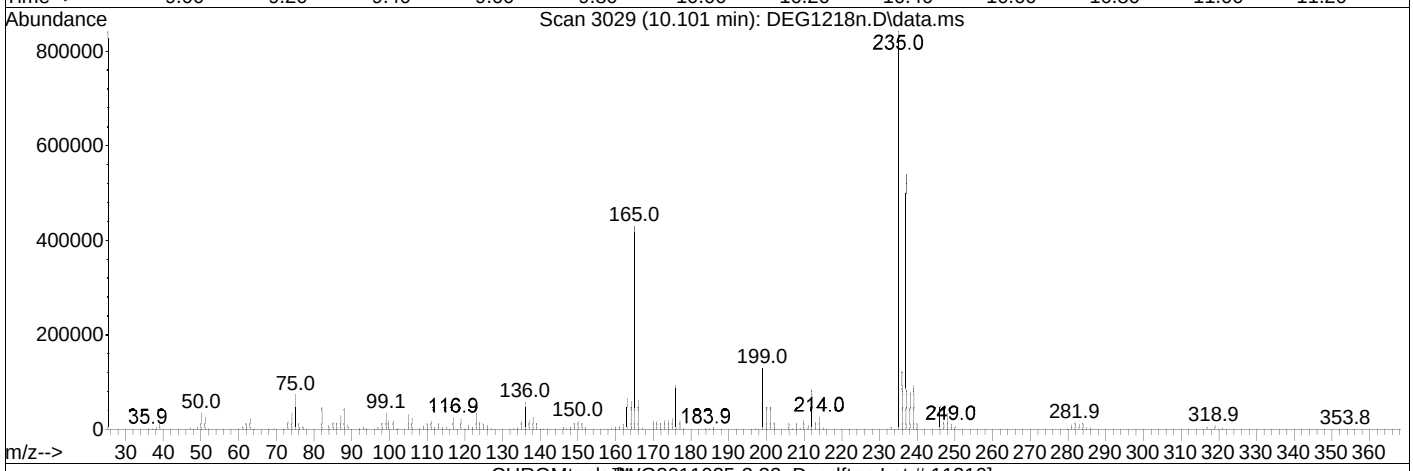
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : DEG1218n.D
Acq On : 18 Dec 2024 11:17 pm
Operator : Dakota:im
Sample : WG2011025-2,32,,Degdftpp Lot # 11210
Misc : WG2011025,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 18 23:38:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:39:57 2024
Response via : Initial Calibration





CHROMtools [WG2011025-2,32,,Degdftpp Lot # 11210]

(6) DDT (T)

10.101min (+ 0.000) 124.93

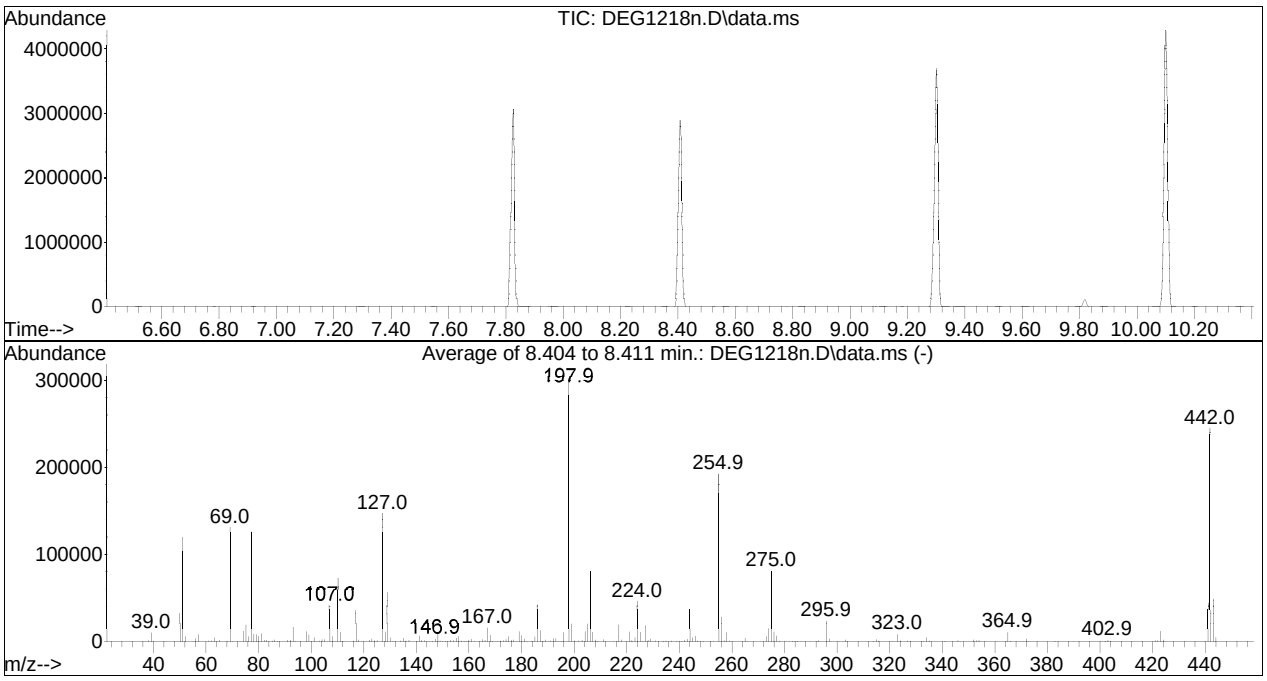
response 761538

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.44
165.10	48.70	51.01
199.10	15.80	14.99

Data Path : I:\8270\Dakota\241218NRVT\
Data File : DEG1218n.D
Acq On : 18 Dec 2024 11:17 pm
Operator : Dakota:im
Sample : WG2011025-1,32,,Degdftpp Lot # 11210
Misc : WG2011025,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241218NRVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 19 09:35:30 2024



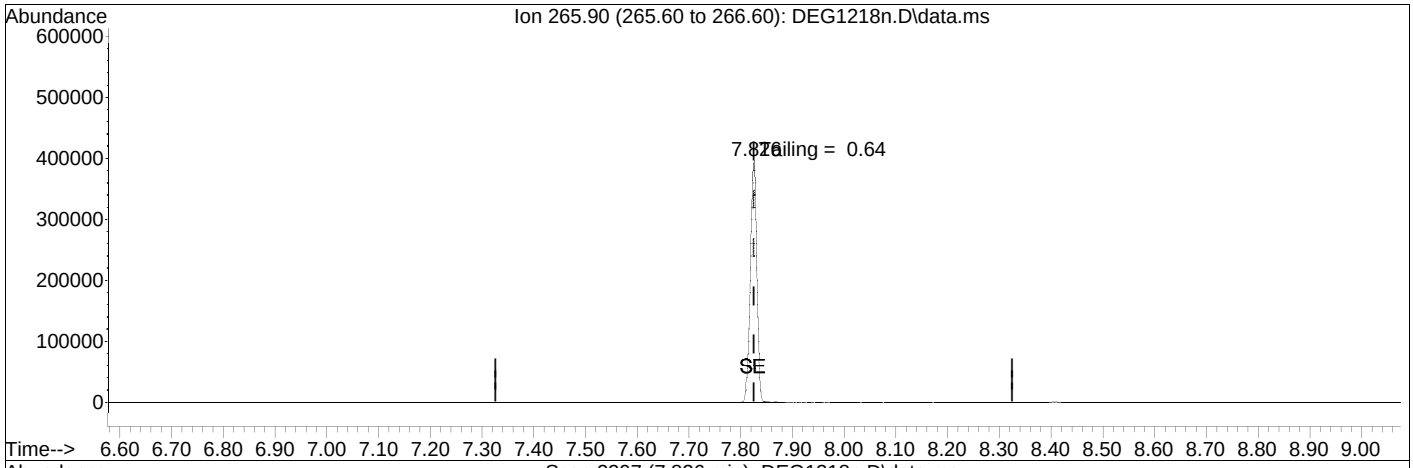
Spectrum Information: Average of 8.404 to 8.411 min.

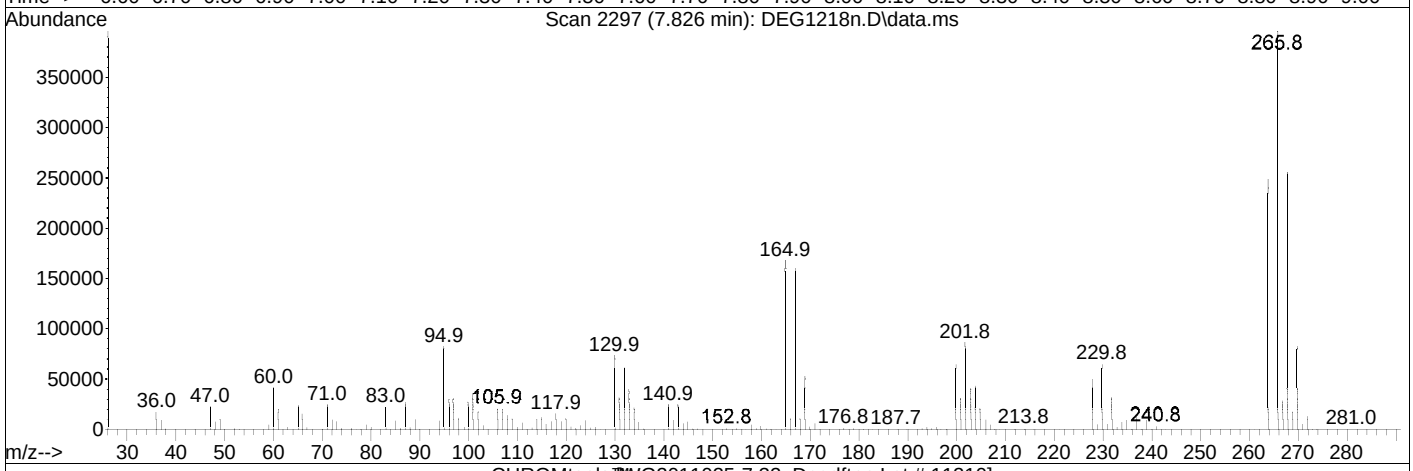
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.1	118493	PASS
68	69	0.00	2	0.6	747	PASS
69	69	100	100	100.0	129997	PASS
70	69	0.00	2	0.5	633	PASS
127	198	10	80	48.3	146240	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	302933	PASS
199	198	5	9	6.4	19469	PASS
275	198	10	60	26.7	80800	PASS
365	198	1	100	3.4	10272	PASS
441	442	0.01	24	18.0	43928	PASS
442	198	50	100	80.6	244309	PASS
443	442	15	24	19.9	48728	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : DEG1218n.D
Acq On : 18 Dec 2024 11:17 pm
Operator : Dakota:im
Sample : WG2011025-7,32,,Degdftpp Lot # 11210
Misc : WG2011025,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 18 23:38:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:39:57 2024
Response via : Initial Calibration





CHROMtools [WG2011025-7,32,,Degdftpp Lot # 11210]

(1) Pentachlorophenol (T)

7.826min (+ 0.000) 155.46

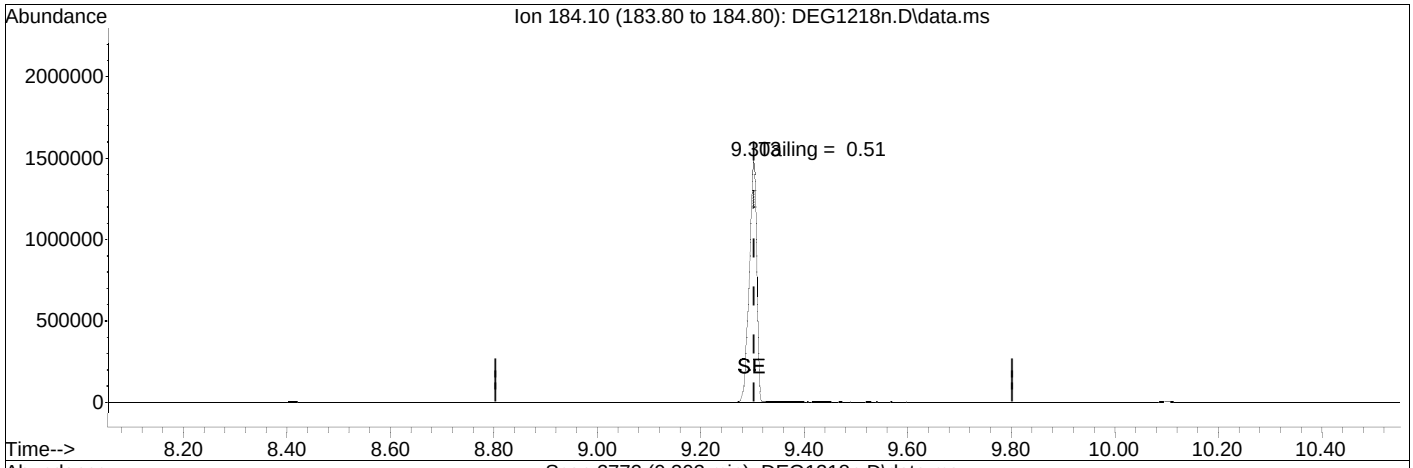
response 326514

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241218NRVT\
Data File : DEG1218n.D
Acq On : 18 Dec 2024 11:17 pm
Operator : Dakota:im
Sample : WG2011025-6,32,,Degdftpp Lot # 11210
Misc : WG2011025,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 18 23:38:08 2024
Quant Method : I:\8270\Dakota\241218NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:39:57 2024
Response via : Initial Calibration



CHROMtools [WG2011025-6,32,,Degdftpp Lot # 11210]

(3) Benzidine (T)

9.303min (-0.000) 139.23

response 1417347

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.681	-	-8.1	20	101	0
Pyridine	0.954	1.1	-	-15.3	20	100	0
2-Fluorophenol	1.028	1.042	-	-1.4	20	95	0
Aniline	1.567	1.601	-	-2.2	20	96	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	94	0
Phenol-d6	1.317	1.324	-	-0.5	20	95	0
Phenol	1.421	1.432	-	-0.8	20	95	0
Bis(2-chloroethyl)ether	1.017	1.039	-	-2.2	20	98	0
1,3-Dichlorobenzene	1.577	1.535	-	2.7	20	94	0
1,4-Dichlorobenzene	1.61	1.535	-	4.7	20	92	0
1,2-Dichlorobenzene	1.534	1.525	-	0.6	20	96	0
Benzyl alcohol	0.93	1.003	-	-7.8	20	101	0
Bis(2-chloroisopropyl)ethe	1.794	1.982	-	-10.5	20	107	0
2-Methylphenol	1.079	1.082	-	-0.3	20	98	0
Hexachloroethane	0.589	0.585	-	0.7	20	99	0
n-Nitrosodi-n-propylamine	0.863	0.913	-	-5.8	20	103	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	99	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	102	0
Nitrobenzene	1.222	1.323	-	-8.3	20	101	0
Isophorone	2.247	2.387	-	-6.2	20	101	0
2-Nitrophenol	0.619	0.671	-	-8.4	20	103	0
2,4-Dimethylphenol	1.101	1.101	-	0	20	95	0
Bis(2-chloroethoxy)methane	1.4	1.469	-	-4.9	20	100	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	97	0
1,2,4-Trichlorobenzene	1.555	1.47	-	5.5	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.1	1.012	-	8	20	98	0
Benzoic Acid	0.228	0.215	-	5.7	20	103	0
4-Chloroaniline	0.121	0.118	-	2.5	20	99	0
Hexachlorobutadiene	0.258	0.233	-	9.7	20	92	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.713	-	6.3	20	101	0
1-Methylnaphthalene	0.242	0.232	-	4.1	20	99	0
Hexachlorocyclopentadiene	0.272	0.269	-	1.1	20	99	0
2,4,6-Trichlorophenol	0.287	0.279	-	2.8	20	99	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	104	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	98	0
2-Chloronaphthalene	0.852	0.785	-	7.9	20	97	0
2-Nitroaniline	0.218	0.219	-	-0.5	20	100	0
1,4-Dinitrobenzene	0.095	0.098	-	-3.2	20	102	0
1,3-Dinitrobenzene	0.113	0.111	-	1.8	20	96	0
Dimethyl phthalate	0.991	0.959	-	3.2	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.227	-	2	20	102	0
2,6-Dinitrotoluene	0.185	0.183	-	1.1	20	97	0
1,2-Dinitrobenzene	0.066	0.069	-	-4.5	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	103	0
3-Nitroaniline	0.309	0.317	-	-2.6	20	105	0
Acenaphthene	1.163	1.052	-	9.5	20	102	0
2,4-Dinitrophenol	0.188	0.174	-	7.4	20	104	0
Dibenzofuran	2.006	1.773	-	11.6	20	100	0
2,4-Dinitrotoluene	0.387	0.394	-	-1.8	20	101	0
4-Nitrophenol	0.23	0.255	-	-10.9	20	113	0
2,3,5,6-Tetrachlorophenol	0.436	0.429	-	1.6	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	104	0
Diethyl phthalate	1.575	1.487	-	5.6	20	107	0
Fluorene	1.536	1.417	-	7.7	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.689	-	13	20	98	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	102	0
4,6-Dinitro-o-cresol	0.234	0.253	-	-8.1	20	108	0
NDPA/DPA	1.337	1.189	-	11.1	20	100	0
Azobenzene	1.281	1.289	-	-0.6	20	109	0
2,4,6-Tribromophenol	0.286	0.304	-	-6.3	20	115	0
4-Bromophenyl phenyl ether	0.522	0.451	-	13.6	20	98	0
Hexachlorobenzene	0.656	0.605	-	7.8	20	106	0
Pentachlorophenol	0.356	0.379	-	-6.5	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	104	0
Phenanthrene	1.183	1.068	-	9.7	20	102	0
Anthracene	1.16	1.067	-	8	20	103	0
Carbazole	1.064	1.013	-	4.8	20	103	0
Di-n-butylphthalate	1.207	1.196	-	0.9	20	105	0
Fluoranthene	1.422	1.278	-	10.1	20	101	0
Benzidine	0.772	0.732	-	5.2	20	95	0
Pyrene	1.52	1.409	-	7.3	20	103	0
4-Terphenyl-d14	1.157	1.013	-	12.4	20	99	0
Butyl benzyl phthalate	0.517	0.537	-	-3.9	20	107	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.231	-	9.2	20	100	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	99	0
Chrysene	1.349	1.189	-	11.9	20	98	0
Bis(2-ethylhexyl)phthalate	0.726	0.756	-	-4.1	20	104	0
Di-n-octylphthalate	1.212	1.254	-	-3.5	20	104	0
Benzo(b)fluoranthene	1.42	1.331	-	6.3	20	103	0
Benzo(k)fluoranthene	1.383	1.278	-	7.6	20	95	0
Benzo(a)pyrene	1.267	1.205	-	4.9	20	99	0
IS1_Perylene-d12	1	1	-	0	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:16	
Lab File ID	: ABN1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.105	-	10.5	20	95	0
Dibenzo(a,h)anthracene	1.213	1.084	-	10.6	20	94	0
Benzo(ghi)perylene	1.192	1.085	-	9	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:39	
Lab File ID	: AP91217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-4		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	0.703	0.781	-	-11.1	20	93	0
Acetophenone	1.403	1.589	-	-13.3	20	99	0
m-Toluidine	1.287	1.401	-	-8.9	20	96	0
2-Chloroaniline	1.368	1.558	-	-13.9	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.25	-	-13.1	20	107	0
3-Chloroaniline	0.115	0.13	-	-13	20	104	0
2,6-Dichlorophenol	0.296	0.323	-	-9.1	20	102	0
1-chloro-2-nitrobenzene	0.113	0.128	-	-13.3	20	102	0
Caprolactam	0.123	0.142	-	-15.4	20	112	0
1,2,4,5-Tetrachlorobenzene	0.413	0.411	-	0.5	20	95	0
Biphenyl	0.842	0.878	-	-4.3	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	101	0
Dichloran	0.169	0.181	-	-7.1	20	110	0
Pentachloronitrobenzene	0.187	0.208	-	-11.2	20	116	0
IS2_Phenanthrene-d10	1	1	-	0	20	105	0
Diphenamid	0.416	0.447	-	-7.5	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 21:01	
Lab File ID	: ADP1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
1,4-Dioxane	0.381	0.453	-	-18.9	20	108	0
n-Decane	1.048	1.079	-	-3	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	108	0
Atrazine	0.343	0.343	-	0	20	108	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.334	0.358	-	-7.2	20	119	0
Parathion	5	5.188	-	-3.8	20	129	0
3,3'-Dimethylbenzidine	0.728	0.682	-	6.3	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
n-Nitrosodimethylamine	0.76	0.676	-	11.1	20	64	0
Pyridine	1.219	1.149	-	5.7	20	68	0
2-Fluorophenol	1.245	1.117	-	10.3	20	65	0
Aniline	1.771	1.59	-	10.2	20	63	0
2-Chlorophenol	1.365	1.299	-	4.8	20	67	0
Phenol-d6	1.498	1.314	-	12.3	20	64	0
Phenol	1.555	1.353	-	13	20	62	0
Bis(2-chloroethyl)ether	1.28	1.07	-	16.4	20	59	0
1,3-Dichlorobenzene	1.669	1.511	-	9.5	20	66	0
1,4-Dichlorobenzene	1.7	1.515	-	10.9	20	66	0
1,2-Dichlorobenzene	1.63	1.466	-	10.1	20	65	0
Benzyl alcohol	1.06	0.9	-	15.1	20	61	0
Bis(2-chloroisopropyl)ethe	2.014	1.412	-	29.9*	20	51	0
2-Methylphenol	1.123	1.11	-	1.2	20	70	0
Hexachloroethane	0.614	0.589	-	4.1	20	70	0
n-Nitrosodi-n-propylamine	0.94	0.824	-	12.3	20	61	0
3-Methylphenol/4-Methylphe	1.225	1.159	-	5.4	20	66	0
Nitrobenzene-d5	1.359	1.242	-	8.6	20	65	0
Nitrobenzene	1.389	1.233	-	11.2	20	64	0
Isophorone	2.416	2.048	-	15.2	20	59	0
2-Nitrophenol	0.713	0.691	-	3.1	20	66	0
2,4-Dimethylphenol	1.119	0.945	-	15.5	20	60	0
Bis(2-chloroethoxy)methane	1.614	1.356	-	16	20	59	0
2,4-Dichlorophenol	1.25	1.194	-	4.5	20	66	0
1,2,4-Trichlorobenzene	1.449	1.309	-	9.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	69	0
Naphthalene	1.129	1.011	-	10.5	20	64	0
Benzoic Acid	5	4.589	-	8.2	20	63	0
4-Chloroaniline	0.127	0.108	-	15	20	58	0
Hexachlorobutadiene	0.239	0.237	-	0.8	20	68	0
p-Chloro-m-cresol	0.296	0.284	-	4.1	20	64	0
2-Methylnaphthalene	0.752	0.7	-	6.9	20	65	0
1-Methylnaphthalene	0.243	0.236	-	2.9	20	69	0
Hexachlorocyclopentadiene	0.262	0.263	-	-0.4	20	70	0
2,4,6-Trichlorophenol	0.275	0.263	-	4.4	20	64	0
2,4,5-Trichlorophenol	0.285	0.276	-	3.2	20	66	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	62	0
2-Chloronaphthalene	0.785	0.797	-	-1.5	20	72	0
2-Nitroaniline	0.223	0.238	-	-6.7	20	70	0
1,4-Dinitrobenzene	0.114	0.122	-	-7	20	69	0
1,3-Dinitrobenzene	0.125	0.135	-	-8	20	69	0
Dimethyl phthalate	0.915	0.945	-	-3.3	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.214	-	-3.8	20	71	0
2,6-Dinitrotoluene	0.186	0.202	-	-8.6	20	68	0
1,2-Dinitrobenzene	0.081	0.084	-	-3.7	20	68	0
IS1_Acenaphthene-d10	1	1	-	0	20	74	0
3-Nitroaniline	0.323	0.319	-	1.2	20	70	0
Acenaphthene	1.157	1.065	-	8	20	71	0
2,4-Dinitrophenol	5	5.113	-	-2.3	20	74	0
Dibenzofuran	1.872	1.681	-	10.2	20	70	0
2,4-Dinitrotoluene	0.419	0.413	-	1.4	20	70	0
4-Nitrophenol	0.239	0.216	-	9.6	20	62	0
2,3,5,6-Tetrachlorophenol	0.39	0.397	-	-1.8	20	72	0
2,3,4,6-Tetrachlorophenol	0.385	0.388	-	-0.8	20	71	0
Diethyl phthalate	1.518	1.341	-	11.7	20	67	0
Fluorene	1.462	1.357	-	7.2	20	70	0
4-Chlorophenyl phenyl ethe	0.75	0.677	-	9.7	20	69	0
4-Nitroaniline	0.329	0.307	-	6.7	20	68	0
4,6-Dinitro-o-cresol	5	4.505	-	9.9	20	71	0
NDPA/DPA	1.261	1.183	-	6.2	20	69	0
Azobenzene	1.232	1.042	-	15.4	20	62	0
2,4,6-Tribromophenol	0.226	0.224	-	0.9	20	72	0
4-Bromophenyl phenyl ether	0.465	0.427	-	8.2	20	69	0
Hexachlorobenzene	0.526	0.493	-	6.3	20	73	0
Pentachlorophenol	0.319	0.315	-	1.3	20	71	0
IS1_Phenanthrene-d10	1	1	-	0	20	70	0
Phenanthrene	1.174	1.105	-	5.9	20	69	0
Anthracene	1.17	1.104	-	5.6	20	70	0
Carbazole	1.054	1.022	-	3	20	69	0
Di-n-butylphthalate	1.319	1.267	-	3.9	20	66	0
Fluoranthene	1.353	1.334	-	1.4	20	70	0
Benzidine	0.776	0.784	-	-1	20	66	0
Pyrene	1.428	1.393	-	2.5	20	70	0
4-Terphenyl-d14	1.073	1.088	-	-1.4	20	72	0
Butyl benzyl phthalate	0.555	0.579	-	-4.3	20	68	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.379	1.274	-	7.6	20	72	0
3,3'-Dichlorobenzidine	0.453	0.456	-	-0.7	20	73	0
Chrysene	1.324	1.203	-	9.1	20	71	0
Bis(2-ethylhexyl)phthalate	0.828	0.785	-	5.2	20	66	0
Di-n-octylphthalate	1.373	1.372	-	0.1	20	68	0
Benzo(b)fluoranthene	1.331	1.391	-	-4.5	20	81	0
Benzo(k)fluoranthene	1.24	1.214	-	2.1	20	72	0
Benzo(a)pyrene	1.155	1.207	-	-4.5	20	78	0
IS1_Perylene-d12	1	1	-	0	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:19	
Lab File ID	: ABN1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.264	-	-4.2	20	84	0
Dibenzo(a,h)anthracene	1.153	1.199	-	-4	20	83	0
Benzo(ghi)perylene	1.08	1.141	-	-5.6	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:43	
Lab File ID	: AP91218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.908	-	4.2	20	78	0
Acetophenone	1.829	1.553	-	15.1	20	72	0
m-Toluidine	1.612	1.484	-	7.9	20	77	0
2-Chloroaniline	1.609	1.49	-	7.4	20	76	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.282	0.213	-	24.5*	20	60	0
3-Chloroaniline	0.132	0.117	-	11.4	20	66	0
2,6-Dichlorophenol	0.3	0.291	-	3	20	74	0
1-chloro-2-nitrobenzene	0.145	0.13	-	10.3	20	71	0
Caprolactam	0.147	0.111	-	24.5*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.366	-	9	20	73	0
Biphenyl	0.907	0.829	-	8.6	20	71	0
IS2_Acenaphthene-d10	1	1	-	0	20	79	0
Dichloran	0.181	0.186	-	-2.8	20	82	0
Pentachloronitrobenzene	0.193	0.2	-	-3.6	20	79	0
IS2_Phenanthrene-d10	1	1	-	0	20	74	0
Diphenamid	0.505	0.511	-	-1.2	20	72	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 23:07	
Lab File ID	: ADP1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
1,4-Dioxane	0.485	0.426	-	12.2	20	64	0
n-Decane	1.486	1.087	-	26.9*	20	51	0
IS3_Acenaphthene-d10	1	1	-	0	20	64	0
Atrazine	0.415	0.367	-	11.6	20	60	0
IS3_Phenanthrene-d10	1	1	-	0	20	67	0
n-Octadecane	0.485	0.318	-	34.4*	20	44	0
Parathion	5	4.497	-	10.1	20	69	0
3,3'-Dimethylbenzidine	0.821	0.74	-	9.9	20	66	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
n-Nitrosodimethylamine	0.63	0.68	-	-7.9	20	100	0
Pyridine	0.954	1.089	-	-14.2	20	98	0
2-Fluorophenol	1.028	1.003	-	2.4	20	91	0
Aniline	1.567	1.563	-	0.3	20	93	0
2-Chlorophenol	1.225	1.198	-	2.2	20	90	0
Phenol-d6	1.317	1.286	-	2.4	20	92	0
Phenol	1.421	1.426	-	-0.4	20	94	0
Bis(2-chloroethyl)ether	1.017	0.996	-	2.1	20	93	0
1,3-Dichlorobenzene	1.577	1.451	-	8	20	88	0
1,4-Dichlorobenzene	1.61	1.473	-	8.5	20	87	0
1,2-Dichlorobenzene	1.534	1.433	-	6.6	20	89	0
Benzyl alcohol	0.93	0.948	-	-1.9	20	95	0
Bis(2-chloroisopropyl)ethe	1.794	1.967	-	-9.6	20	105	0
2-Methylphenol	1.079	1.055	-	2.2	20	95	0
Hexachloroethane	0.589	0.573	-	2.7	20	96	0
n-Nitrosodi-n-propylamine	0.863	0.871	-	-0.9	20	98	0
3-Methylphenol/4-Methylphe	1.182	1.163	-	1.6	20	96	0
Nitrobenzene-d5	1.195	1.275	-	-6.7	20	99	0
Nitrobenzene	1.222	1.274	-	-4.3	20	97	0
Isophorone	2.247	2.284	-	-1.6	20	96	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	102	0
2,4-Dimethylphenol	1.101	1.041	-	5.4	20	89	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	96	0
2,4-Dichlorophenol	1.285	1.303	-	-1.4	20	95	0
1,2,4-Trichlorobenzene	1.555	1.476	-	5.1	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	1.022	-	7.1	20	95	0
Benzoic Acid	0.228	0.236	-	-3.5	20	109	0
4-Chloroaniline	0.121	0.117	-	3.3	20	94	0
Hexachlorobutadiene	0.258	0.238	-	7.8	20	91	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.712	-	6.4	20	97	0
1-Methylnaphthalene	0.242	0.225	-	7	20	93	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	94	0
2,4,6-Trichlorophenol	0.287	0.286	-	0.3	20	98	0
2,4,5-Trichlorophenol	0.32	0.303	-	5.3	20	96	0
2-Fluorobiphenyl	0.99	0.91	-	8.1	20	95	0
2-Chloronaphthalene	0.852	0.787	-	7.6	20	94	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	97	0
1,4-Dinitrobenzene	0.095	0.1	-	-5.3	20	101	0
1,3-Dinitrobenzene	0.113	0.112	-	0.9	20	93	0
Dimethyl phthalate	0.991	0.958	-	3.3	20	99	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.201	-	4.1	20	97	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	98	0
1,2-Dinitrobenzene	0.066	0.067	-	-1.5	20	91	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.309	0.312	-	-1	20	99	0
Acenaphthene	1.163	1.047	-	10	20	98	0
2,4-Dinitrophenol	0.188	0.159	-	15.4	20	91	0
Dibenzofuran	2.006	1.792	-	10.7	20	97	0
2,4-Dinitrotoluene	0.387	0.399	-	-3.1	20	98	0
4-Nitrophenol	0.23	0.256	-	-11.3	20	109	0
2,3,5,6-Tetrachlorophenol	0.436	0.446	-	-2.3	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.425	-	0.7	20	102	0
Diethyl phthalate	1.575	1.454	-	7.7	20	100	0
Fluorene	1.536	1.393	-	9.3	20	97	0
4-Chlorophenyl phenyl ethe	0.792	0.688	-	13.1	20	94	0
4-Nitroaniline	0.299	0.307	-	-2.7	20	97	0
4,6-Dinitro-o-cresol	0.234	0.239	-	-2.1	20	98	0
NDPA/DPA	1.337	1.189	-	11.1	20	97	0
Azobenzene	1.281	1.283	-	-0.2	20	105	0
2,4,6-Tribromophenol	0.286	0.307	-	-7.3	20	112	0
4-Bromophenyl phenyl ether	0.522	0.466	-	10.7	20	98	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	101	0
Pentachlorophenol	0.356	0.39	-	-9.6	20	108	0
IS1_Phenanthrene-d10	1	1	-	0	20	99	0
Phenanthrene	1.183	1.073	-	9.3	20	98	0
Anthracene	1.16	1.075	-	7.3	20	98	0
Carbazole	1.064	0.995	-	6.5	20	97	0
Di-n-butylphthalate	1.207	1.213	-	-0.5	20	101	0
Fluoranthene	1.422	1.325	-	6.8	20	99	0
Benzidine	0.772	0.732	-	5.2	20	91	0
Pyrene	1.52	1.42	-	6.6	20	98	0
4-Terphenyl-d14	1.157	1.011	-	12.6	20	94	0
Butyl benzyl phthalate	0.517	0.538	-	-4.1	20	102	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.355	1.227	-	9.4	20	95	0
3,3'-Dichlorobenzidine	0.505	0.488	-	3.4	20	94	0
Chrysene	1.349	1.175	-	12.9	20	93	0
Bis(2-ethylhexyl)phthalate	0.726	0.762	-	-5	20	101	0
Di-n-octylphthalate	1.212	1.246	-	-2.8	20	99	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	96	0
Benzo(k)fluoranthene	1.383	1.275	-	7.8	20	91	0
Benzo(a)pyrene	1.267	1.169	-	7.7	20	92	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/18/24 23:39	
Lab File ID	: ABN1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.087	-	11.9	20	90	0
Dibenzo(a,h)anthracene	1.213	1.062	-	12.4	20	88	0
Benzo(ghi)perylene	1.192	1.064	-	10.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/19/24 00:02	
Lab File ID	: AP91218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-4		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
Benzaldehyde	0.703	0.759	-	-8	20	86	0
Acetophenone	1.403	1.597	-	-13.8	20	95	0
m-Toluidine	1.287	1.445	-	-12.3	20	95	0
2-Chloroaniline	1.368	1.563	-	-14.3	20	95	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.243	-	-10	20	100	0
3-Chloroaniline	0.115	0.129	-	-12.2	20	100	0
2,6-Dichlorophenol	0.296	0.327	-	-10.5	20	99	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	100	0
Caprolactam	0.123	0.136	-	-10.6	20	104	0
1,2,4,5-Tetrachlorobenzene	0.413	0.414	-	-0.2	20	92	0
Biphenyl	0.842	0.882	-	-4.8	20	95	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.182	-	-7.7	20	106	0
Pentachloronitrobenzene	0.187	0.211	-	-12.8	20	113	0
IS2_Phenanthrene-d10	1	1	-	0	20	99	0
Diphenamid	0.416	0.452	-	-8.7	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/19/24 00:24	
Lab File ID	: ADP1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
1,4-Dioxane	0.381	0.413	-	-8.4	20	95	0
n-Decane	1.048	1.085	-	-3.5	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	102	0
Atrazine	0.343	0.337	-	1.7	20	101	0
IS3_Phenanthrene-d10	1	1	-	0	20	104	0
n-Octadecane	0.334	0.36	-	-7.8	20	113	0
Parathion	5	5.121	-	-2.4	20	120	0
3,3'-Dimethylbenzidine	0.728	0.677	-	7	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Instrument ID	: SV112	Calibration Date	: 12/19/24 11:24
Lab File ID	: ABN1219	Init. Calib. Date(s)	: 12/15/24 12/16/24
Sample No	: WG2011377-3	Init. Calib. Times	: 21:56 09:39
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
n-Nitrosodimethylamine	0.739	0.736	-	0.4	20	117	0
Pyridine	1.143	1.211	-	-5.9	20	116	0
2-Fluorophenol	1.117	1.124	-	-0.6	20	117	0
Aniline	1.761	1.83	-	-3.9	20	119	0
2-Chlorophenol	1.265	1.316	-	-4	20	120	0
Phenol-d6	1.415	1.42	-	-0.4	20	117	0
Phenol	1.604	1.684	-	-5	20	120	0
Bis(2-chloroethyl)ether	1.219	1.254	-	-2.9	20	120	0
1,3-Dichlorobenzene	1.548	1.57	-	-1.4	20	120	0
1,4-Dichlorobenzene	1.564	1.564	-	0	20	117	0
1,2-Dichlorobenzene	1.522	1.525	-	-0.2	20	119	0
Benzyl alcohol	0.988	1.024	-	-3.6	20	118	0
Bis(2-chloroisopropyl)ethe	1.452	1.537	-	-5.9	20	120	0
2-Methylphenol	1.084	1.141	-	-5.3	20	123	0
Hexachloroethane	0.591	0.609	-	-3	20	122	0
n-Nitrosodi-n-propylamine	0.893	0.913	-	-2.2	20	122	0
3-Methylphenol/4-Methylphe	1.179	1.229	-	-4.2	20	119	0
Nitrobenzene-d5	1.273	1.334	-	-4.8	20	119	0
Nitrobenzene	1.315	1.357	-	-3.2	20	118	0
Isophorone	2.342	2.399	-	-2.4	20	114	0
2-Nitrophenol	0.614	0.686	-	-11.7	20	124	0
2,4-Dimethylphenol	1.099	1.189	-	-8.2	20	123	0
Bis(2-chloroethoxy)methane	1.615	1.659	-	-2.7	20	117	0
2,4-Dichlorophenol	1.203	1.261	-	-4.8	20	117	0
1,2,4-Trichlorobenzene	1.483	1.478	-	0.3	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	113	0
Naphthalene	1.049	1.077	-	-2.7	20	118	0
Benzoic Acid	0.249	0.212	-	14.9	20	109	0
4-Chloroaniline	0.123	0.131	-	-6.5	20	119	0
Hexachlorobutadiene	0.259	0.255	-	1.5	20	118	0
p-Chloro-m-cresol	0.285	0.303	-	-6.3	20	120	0
2-Methylnaphthalene	0.727	0.722	-	0.7	20	117	0
1-Methylnaphthalene	0.245	0.241	-	1.6	20	119	0
Hexachlorocyclopentadiene	0.27	0.294	-	-8.9	20	128	0
2,4,6-Trichlorophenol	0.267	0.286	-	-7.1	20	121	0
2,4,5-Trichlorophenol	0.286	0.302	-	-5.6	20	119	0
2-Fluorobiphenyl	0.914	0.91	-	0.4	20	116	0
2-Chloronaphthalene	0.774	0.767	-	0.9	20	115	0
2-Nitroaniline	0.202	0.212	-	-5	20	120	0
1,4-Dinitrobenzene	0.111	0.114	-	-2.7	20	119	0
1,3-Dinitrobenzene	0.126	0.131	-	-4	20	119	0
Dimethyl phthalate	0.917	0.926	-	-1	20	115	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.09	1.172	-	-7.5	20	118	0
2,6-Dinitrotoluene	0.175	0.194	-	-10.9	20	120	0
1,2-Dinitrobenzene	0.078	0.083	-	-6.4	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	114	0
3-Nitroaniline	0.313	0.322	-	-2.9	20	115	0
Acenaphthene	1.122	1.112	-	0.9	20	120	0
2,4-Dinitrophenol	5	4.934	-	1.3	20	135	0
Dibenzofuran	1.899	1.853	-	2.4	20	116	0
2,4-Dinitrotoluene	0.392	0.435	-	-11	20	118	0
4-Nitrophenol	0.245	0.257	-	-4.9	20	115	0
2,3,5,6-Tetrachlorophenol	0.412	0.44	-	-6.8	20	116	0
2,3,4,6-Tetrachlorophenol	0.402	0.434	-	-8	20	119	0
Diethyl phthalate	1.471	1.486	-	-1	20	113	0
Fluorene	1.446	1.445	-	0.1	20	116	0
4-Chlorophenyl phenyl ethe	0.792	0.754	-	4.8	20	114	0
4-Nitroaniline	0.311	0.339	-	-9	20	120	0
4,6-Dinitro-o-cresol	5	4.921	-	1.6	20	125	0
NDPA/DPA	1.205	1.252	-	-3.9	20	118	0
Azobenzene	1.314	1.395	-	-6.2	20	119	0
2,4,6-Tribromophenol	0.244	0.256	-	-4.9	20	121	0
4-Bromophenyl phenyl ether	0.505	0.497	-	1.6	20	118	0
Hexachlorobenzene	0.616	0.583	-	5.4	20	116	0
Pentachlorophenol	0.335	0.364	-	-8.7	20	120	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.122	1.093	-	2.6	20	115	0
Anthracene	1.087	1.103	-	-1.5	20	118	0
Carbazole	0.982	1.023	-	-4.2	20	117	0
Di-n-butylphthalate	1.059	1.159	-	-9.4	20	117	0
Fluoranthene	1.298	1.332	-	-2.6	20	117	0
Benzidine	0.667	0.777	-	-16.5	20	129	0
Pyrene	1.363	1.416	-	-3.9	20	116	0
4-Terphenyl-d14	1.068	1.105	-	-3.5	20	119	0
Butyl benzyl phthalate	0.471	0.525	-	-11.5	20	124	0
IS1_Chrysene-d12	1	1	-	0	20	117	0
Benzo(a)anthracene	1.25	1.273	-	-1.8	20	118	0
3,3'-Dichlorobenzidine	0.439	0.473	-	-7.7	20	121	0
Chrysene	1.276	1.215	-	4.8	20	118	0
Bis(2-ethylhexyl)phthalate	0.62	0.71	-	-14.5	20	122	0
Di-n-octylphthalate	0.957	1.155	-	-20.7*	20	126	0
Benzo(b)fluoranthene	1.3	1.286	-	1.1	20	109	0
Benzo(k)fluoranthene	1.194	1.322	-	-10.7	20	128	0
Benzo(a)pyrene	1.116	1.191	-	-6.7	20	119	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:24	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-3		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.157	1.176	-	-1.6	20	119	0
Dibenzo(a,h)anthracene	1.089	1.142	-	-4.9	20	123	0
Benzo(ghi)perylene	1.086	1.093	-	-0.6	20	123	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
n-Nitrosodimethylamine	0.76	0.706	-	7.1	20	81	0
Pyridine	1.219	1.054	-	13.5	20	75	0
2-Fluorophenol	1.245	1.129	-	9.3	20	79	0
Aniline	1.771	1.619	-	8.6	20	77	0
2-Chlorophenol	1.365	1.333	-	2.3	20	83	0
Phenol-d6	1.498	1.355	-	9.5	20	80	0
Phenol	1.555	1.771	-	-13.9	20	97	0
Bis(2-chloroethyl)ether	1.28	1.091	-	14.8	20	73	0
1,3-Dichlorobenzene	1.669	1.566	-	6.2	20	83	0
1,4-Dichlorobenzene	1.7	1.588	-	6.6	20	83	0
1,2-Dichlorobenzene	1.63	1.597	-	2	20	86	0
Benzyl alcohol	1.06	0.978	-	7.7	20	79	0
Bis(2-chloroisopropyl)ethe	2.014	1.164	-	42.2*	20	51	0
2-Methylphenol	1.123	1.071	-	4.6	20	81	0
Hexachloroethane	0.614	0.555	-	9.6	20	80	0
n-Nitrosodi-n-propylamine	0.94	0.785	-	16.5	20	71	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	79	0
Nitrobenzene-d5	1.359	1.187	-	12.7	20	75	0
Nitrobenzene	1.389	1.194	-	14	20	74	0
Isophorone	2.416	2.102	-	13	20	73	0
2-Nitrophenol	0.713	0.766	-	-7.4	20	88	0
2,4-Dimethylphenol	1.119	1.147	-	-2.5	20	88	0
Bis(2-chloroethoxy)methane	1.614	1.481	-	8.2	20	78	0
2,4-Dichlorophenol	1.25	1.242	-	0.6	20	82	0
1,2,4-Trichlorobenzene	1.449	1.475	-	-1.8	20	90	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.129	1.044	-	7.5	20	86	0
Benzoic Acid	5	4.91	-	1.8	20	89	0
4-Chloroaniline	0.127	0.104	-	18.1	20	72	0
Hexachlorobutadiene	0.239	0.225	-	5.9	20	84	0
p-Chloro-m-cresol	0.296	0.28	-	5.4	20	82	0
2-Methylnaphthalene	0.752	0.669	-	11	20	80	0
1-Methylnaphthalene	0.243	0.227	-	6.6	20	86	0
Hexachlorocyclopentadiene	0.262	0.259	-	1.1	20	89	0
2,4,6-Trichlorophenol	0.275	0.26	-	5.5	20	81	0
2,4,5-Trichlorophenol	0.285	0.264	-	7.4	20	82	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	80	0
2-Chloronaphthalene	0.785	0.706	-	10.1	20	82	0
2-Nitroaniline	0.223	0.209	-	6.3	20	80	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	81	0
1,3-Dinitrobenzene	0.125	0.122	-	2.4	20	80	0
Dimethyl phthalate	0.915	0.832	-	9.1	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.051	-	10.2	20	80	0
2,6-Dinitrotoluene	0.186	0.182	-	2.2	20	80	0
1,2-Dinitrobenzene	0.081	0.074	-	8.6	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	81	0
3-Nitroaniline	0.323	0.337	-	-4.3	20	82	0
Acenaphthene	1.157	1.098	-	5.1	20	81	0
2,4-Dinitrophenol	5	4.801	-	4	20	76	0
Dibenzofuran	1.872	1.739	-	7.1	20	80	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	79	0
4-Nitrophenol	0.239	0.212	-	11.3	20	67	0
2,3,5,6-Tetrachlorophenol	0.39	0.413	-	-5.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.385	0.398	-	-3.4	20	81	0
Diethyl phthalate	1.518	1.407	-	7.3	20	77	0
Fluorene	1.462	1.407	-	3.8	20	80	0
4-Chlorophenyl phenyl ethe	0.75	0.716	-	4.5	20	81	0
4-Nitroaniline	0.329	0.324	-	1.5	20	79	0
4,6-Dinitro-o-cresol	5	4.797	-	4.1	20	84	0
NDPA/DPA	1.261	1.216	-	3.6	20	79	0
Azobenzene	1.232	1.035	-	16	20	68	0
2,4,6-Tribromophenol	0.226	0.241	-	-6.6	20	85	0
4-Bromophenyl phenyl ether	0.465	0.466	-	-0.2	20	83	0
Hexachlorobenzene	0.526	0.532	-	-1.1	20	87	0
Pentachlorophenol	0.319	0.332	-	-4.1	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.174	1.077	-	8.3	20	78	0
Anthracene	1.17	1.099	-	6.1	20	80	0
Carbazole	1.054	0.987	-	6.4	20	77	0
Di-n-butylphthalate	1.319	1.272	-	3.6	20	77	0
Fluoranthene	1.353	1.288	-	4.8	20	78	0
Benzidine	0.776	0.812	-	-4.6	20	79	0
Pyrene	1.428	1.356	-	5	20	78	0
4-Terphenyl-d14	1.073	1.049	-	2.2	20	81	0
Butyl benzyl phthalate	0.555	0.595	-	-7.2	20	81	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.379	1.318	-	4.4	20	82	0
3,3'-Dichlorobenzidine	0.453	0.48	-	-6	20	84	0
Chrysene	1.324	1.244	-	6	20	81	0
Bis(2-ethylhexyl)phthalate	0.828	0.86	-	-3.9	20	78	0
Di-n-octylphthalate	1.373	1.53	-	-11.4	20	83	0
Benzo(b)fluoranthene	1.331	1.444	-	-8.5	20	92	0
Benzo(k)fluoranthene	1.24	1.231	-	0.7	20	80	0
Benzo(a)pyrene	1.155	1.253	-	-8.5	20	88	0
IS1_Perylene-d12	1	1	-	0	20	88	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:28	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.233	-	-1.6	20	90	0
Dibenzo(a,h)anthracene	1.153	1.189	-	-3.1	20	90	0
Benzo(ghi)perylene	1.08	1.127	-	-4.4	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:47	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-4		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	131	0
Benzaldehyde	0.832	0.794	-	4.6	20	134	0
Acetophenone	1.813	1.571	-	13.3	20	125	0
m-Toluidine	1.357	1.4	-	-3.2	20	136	0
2-Chloroaniline	1.57	1.444	-	8	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.253	0.252	-	0.4	20	141	0
3-Chloroaniline	0.13	0.127	-	2.3	20	127	0
2,6-Dichlorophenol	0.312	0.299	-	4.2	20	128	0
1-chloro-2-nitrobenzene	0.141	0.136	-	3.5	20	130	0
Caprolactam	5	4.351	-	13	20	130	0
1,2,4,5-Tetrachlorobenzene	0.468	0.405	-	13.5	20	122	0
Biphenyl	0.969	0.856	-	11.7	20	123	0
IS2_Acenaphthene-d10	1	1	-	0	20	134	0
Dichloran	0.169	0.17	-	-0.6	20	141	0
Pentachloronitrobenzene	0.19	0.19	-	0	20	136	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.455	0.438	-	3.7	20	132	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:52	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.79	-	16.7	20	68	0
Acetophenone	1.829	1.611	-	11.9	20	75	0
m-Toluidine	1.612	1.395	-	13.5	20	72	0
2-Chloroaniline	1.609	1.524	-	5.3	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.282	0.201	-	28.7*	20	61	0
3-Chloroaniline	0.132	0.104	-	21.2*	20	64	0
2,6-Dichlorophenol	0.3	0.277	-	7.7	20	76	0
1-chloro-2-nitrobenzene	0.145	0.132	-	9	20	77	0
Caprolactam	0.147	0.104	-	29.3*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.372	-	7.5	20	80	0
Biphenyl	0.907	0.822	-	9.4	20	76	0
IS2_Acenaphthene-d10	1	1	-	0	20	88	0
Dichloran	0.181	0.183	-	-1.1	20	90	0
Pentachloronitrobenzene	0.193	0.195	-	-1	20	86	0
IS2_Phenanthrene-d10	1	1	-	0	20	85	0
Diphenamid	0.505	0.517	-	-2.4	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 12:11	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-5		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
1,4-Dioxane	0.487	0.439	-	9.9	20	112	0
n-Decane	1.199	1.158	-	3.4	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	118	0
Atrazine	0.372	0.35	-	5.9	20	115	0
IS3_Phenanthrene-d10	1	1	-	0	20	116	0
n-Octadecane	0.315	0.334	-	-6	20	121	0
Parathion	5	4.771	-	4.6	20	125	0
3,3'-Dimethylbenzidine	5	4.723	-	5.5	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 12:15	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.485	0.376	-	22.5*	20	73	0
n-Decane	1.486	1.059	-	28.7*	20	64	0
IS3_Acenaphthene-d10	1	1	-	0	20	85	0
Atrazine	0.415	0.347	-	16.4	20	75	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.485	0.33	-	32*	20	58	0
Parathion	5	4.737	-	5.3	20	91	0
3,3'-Dimethylbenzidine	0.821	0.733	-	10.7	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
2	T	n-Nitrosodimethylamine	0.739	0.736	0.4	117	0.00
3	T	Pyridine	1.143	1.211	-5.9	116	0.00
4	S	2-Fluorophenol	1.117	1.124	-0.6	117	0.00
5	T	Aniline	1.761	1.830	-3.9	119	0.00
6	T	2-Chlorophenol	1.265	1.316	-4.0	120	0.00
7	S	Phenol-d6	1.415	1.420	-0.4	117	0.00
8	T	Phenol	1.604	1.684	-5.0	120	0.00
9	T	Bis(2-chloroethyl)ether	1.219	1.254	-2.9	120	0.00
10	T	1,3-Dichlorobenzene	1.548	1.570	-1.4	120	0.00
11	T	1,4-Dichlorobenzene	1.564	1.564	0.0	117	0.00
12	T	1,2-Dichlorobenzene	1.522	1.525	-0.2	119	0.00
13	T	Benzyl alcohol	0.988	1.024	-3.6	118	0.00
14	T	Bis(2-chloroisopropyl)ether	1.452	1.537	-5.9	120	0.00
15	T	2-Methylphenol	1.084	1.141	-5.3	123	0.00
16	T	Hexachloroethane	0.591	0.609	-3.0	122	0.00
17	T	n-Nitrosodi-n-propylamine	0.893	0.913	-2.2	122	0.00
18	T	3-Methylphenol/4-Methylphen	1.179	1.229	-4.2	119	0.00
19	S	Nitrobenzene-d5	1.273	1.334	-4.8	119	0.00
20	T	Nitrobenzene	1.315	1.357	-3.2	118	0.00
21	T	Isophorone	2.342	2.399	-2.4	114	0.00
22	T	2-Nitrophenol	0.614	0.686	-11.7	124	0.00
23	T	2,4-Dimethylphenol	1.099	1.189	-8.2	123	0.00
24	T	Bis(2-chloroethoxy)methane	1.615	1.659	-2.7	117	0.00
25	T	2,4-Dichlorophenol	1.203	1.261	-4.8	117	0.00
26	T	1,2,4-Trichlorobenzene	1.483	1.478	0.3	117	0.00
35	I	IS1_Naphthalene-d8	1.000	1.000	0.0	113	0.00
36	T	Naphthalene	1.049	1.077	-2.7	118	0.00
37	T	Benzoic Acid	0.249	0.212	14.9	109	0.00
38	T	4-Chloroaniline	0.123	0.131	-6.5	119	0.00
39	T	Hexachlorobutadiene	0.259	0.255	1.5	118	0.00
40	T	p-Chloro-m-cresol	0.285	0.303	-6.3	120	0.00
41	T	2-Methylnaphthalene	0.727	0.722	0.7	117	0.00
42	T	1-Methylnaphthalene	0.245	0.241	1.6	119	0.00
43	T	Hexachlorocyclopentadiene	0.270	0.294	-8.9	128	0.00
44	T	2,4,6-Trichlorophenol	0.267	0.286	-7.1	121	0.00
45	T	2,4,5-Trichlorophenol	0.286	0.302	-5.6	119	0.00
46	S	2-Fluorobiphenyl	0.914	0.910	0.4	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.774	0.767	0.9	115	0.00
48	T	2-Nitroaniline		0.202	0.212	-5.0	120	0.00
49	T	1,4-Dinitrobenzene		0.111	0.114	-2.7	119	0.00
50	T	1,3-Dinitrobenzene		0.126	0.131	-4.0	119	0.00
51	T	Dimethyl phthalate		0.917	0.926	-1.0	115	0.00
52	T	Acenaphthylene		1.090	1.172	-7.5	118	0.00
53	T	2,6-Dinitrotoluene		0.175	0.194	-10.9	120	0.00
54	T	1,2-Dinitrobenzene		0.078	0.083	-6.4	117	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	114	0.00
64	T	3-Nitroaniline		0.313	0.322	-2.9	115	0.00
65	T	Acenaphthene		1.122	1.112	0.9	120	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.934	1.3	135	0.00
67	T	Dibenzofuran		1.899	1.853	2.4	116	0.00
68	T	2,4-Dinitrotoluene		0.392	0.435	-11.0	118	0.00
69	T	4-Nitrophenol		0.245	0.257	-4.9	115	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.412	0.440	-6.8	116	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.402	0.434	-8.0	119	0.00
72	T	Diethyl phthalate		1.471	1.486	-1.0	113	0.00
73	T	Fluorene		1.446	1.445	0.1	116	0.00
74	T	4-Chlorophenyl phenyl ether		0.792	0.754	4.8	114	0.00
75	T	4-Nitroaniline		0.311	0.339	-9.0	120	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.921	1.6	125	0.00
77	T	NDPA/DPA		1.205	1.252	-3.9	118	0.00
78	T	Azobenzene		1.314	1.395	-6.2	119	0.00
79	S	2,4,6-Tribromophenol		0.244	0.256	-4.9	121	0.00
80	T	4-Bromophenyl phenyl ether		0.505	0.497	1.6	118	0.00
81	T	Hexachlorobenzene		0.616	0.583	5.4	116	0.00
82	T	Pentachlorophenol		0.335	0.364	-8.7	120	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	115	0.00
89	T	Phenanthrene		1.122	1.093	2.6	115	0.00
90	T	Anthracene		1.087	1.103	-1.5	118	0.00
91	T	Carbazole		0.982	1.023	-4.2	117	0.00
92	T	Di-n-butylphthalate		1.059	1.159	-9.4	117	0.00
93	T	Fluoranthene		1.298	1.332	-2.6	117	0.00
94	T	Benzidine		0.667	0.777	-16.5	129	0.00
95	T	Pyrene		1.363	1.416	-3.9	116	0.00
96	S	4-Terphenyl-d14		1.068	1.105	-3.5	119	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.471	0.525	-11.5	124	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	117	0.00
105	T	Benzo(a)anthracene	1.250	1.273	-1.8	118	0.00
106	T	3,3'-Dichlorobenzidine	0.439	0.473	-7.7	121	0.00
107	T	Chrysene	1.276	1.215	4.8	118	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.620	0.710	-14.5	122	0.00
109	T	Di-n-octylphthalate	0.957	1.155	-20.7#	126	0.00
110	T	Benzo(b)fluoranthene	1.300	1.286	1.1	109	0.00
111	T	Benzo(k)fluoranthene	1.194	1.322	-10.7	128	0.00
112	T	Benzo(a)pyrene	1.116	1.191	-6.7	119	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	119	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.157	1.176	-1.6	119	0.00
115	T	Dibenzo(a,h)anthracene	1.089	1.142	-4.9	123	0.00
116	T	Benzo(ghi)perylene	1.086	1.093	-0.6	123	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.828	152	31733	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	6.069	136	119379	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	7.787	164	75180	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	9.228	188	158888	4.000	ug/ml		0.00
104) IS1_Chrysene-d12	11.898	240	186682	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	13.386	264	210513	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	3.558	112	44569	5.028	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 251.40%#				
7) Phenol-d6	4.499	99	56339	5.019	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 250.95%#				
19) Nitrobenzene-d5	5.369	82	52921	5.240	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 524.00%#				
46) 2-Fluorobiphenyl	7.146	172	135844	4.981	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 498.10%#				
79) 2,4,6-Tribromophenol	8.557	330	24060	5.247	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 262.35%#				
96) 4-Terphenyl-d14	10.828	244	219513	5.176	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 517.60%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	2.205	74	29197	4.977	ug/ml		100
3) Pyridine	2.246	79	48031M1	5.299	ug/ml		
5) Aniline	4.510	93	72598	5.198	ug/ml	#	48
6) 2-Chlorophenol	4.622	128	52198	5.200	ug/ml		97
8) Phenol	4.510	94	66799	5.250	ug/ml	#	50
9) Bis(2-chloroethyl)ether	4.587	93	49724	5.143	ug/ml		97
10) 1,3-Dichlorobenzene	4.769	146	62293	5.074	ug/ml		97
11) 1,4-Dichlorobenzene	4.846	146	62023	4.999	ug/ml		95
12) 1,2-Dichlorobenzene	4.993	146	60507	5.012	ug/ml		97
13) Benzyl alcohol	4.975	79	40636	5.186	ug/ml		97
14) Bis(2-chloroisopropyl)...	5.116	45	60971	5.292	ug/ml	#	57
15) 2-Methylphenol	5.104	108	45251	5.260	ug/ml		98
16) Hexachloroethane	5.322	117	24168	5.156	ug/ml	#	67
17) n-Nitrosodi-n-propylamine	5.246	70	36210	5.112	ug/ml		96
18) 3-Methylphenol/4-Methy...	5.257	108	48755	5.211	ug/ml		96
20) Nitrobenzene	5.387	77	53841	5.161	ug/ml		98
21) Isophorone	5.628	82	95172	5.122	ug/ml		99
22) 2-Nitrophenol	5.704	139	27222	5.589	ug/ml		97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.775	107	47159	5.407	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.863	93	65810	5.138	ug/ml	99
25) 2,4-Dichlorophenol	5.946	162	50028	5.241	ug/ml	95
26) 1,2,4-Trichlorobenzene	6.022	180	58612	4.981	ug/ml	97
36) Naphthalene	6.093	128	160713	5.133	ug/ml	99
37) Benzoic Acid	5.846	105	31642	4.253	ug/ml	97
38) 4-Chloroaniline	6.157	65	19604	5.331	ug/ml	100
39) Hexachlorobutadiene	6.240	225	38082	4.921	ug/ml	98
40) p-Chloro-m-cresol	6.651	107	45173	5.318	ug/ml	95
41) 2-Methylnaphthalene	6.775	142	107776	4.966	ug/ml	97
42) 1-Methylnaphthalene	6.869	115	36004	4.921	ug/ml	93
43) Hexachlorocyclopentadiene	6.946	237	43817	5.441	ug/ml	98
44) 2,4,6-Trichlorophenol	7.057	196	42697	5.354	ug/ml	99
45) 2,4,5-Trichlorophenol	7.087	196	45027M3	5.273	ug/ml	
47) 2-Chloronaphthalene	7.246	162	114434	4.957	ug/ml	94
48) 2-Nitroaniline	7.351	138	31590	5.253	ug/ml	96
49) 1,4-Dinitrobenzene	7.487	168	16963	5.106	ug/ml	87
50) 1,3-Dinitrobenzene	7.557	168	19608	5.224	ug/ml	88
51) Dimethyl phthalate	7.551	163	138220	5.051	ug/ml	100
52) Acenaphthylene	7.646	152	174817	5.374	ug/ml	98
53) 2,6-Dinitrotoluene	7.598	165	28921	5.545	ug/ml	92
54) 1,2-Dinitrobenzene	7.640	168	12398	5.334	ug/ml#	1
64) 3-Nitroaniline	7.757	138	30273	5.147	ug/ml	95
65) Acenaphthene	7.816	154	104524	4.958	ug/ml	96
66) 2,4-Dinitrophenol	7.857	184	19214	4.934	ug/ml#	84
67) Dibenzofuran	7.987	168	174172	4.879	ug/ml	92
68) 2,4-Dinitrotoluene	7.987	165	40923	5.560	ug/ml	92
69) 4-Nitrophenol	7.934	65	24176	5.250	ug/ml	94
70) 2,3,5,6-Tetrachlorophenol	8.075	232	41363	5.341	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.116	232	40814	5.398	ug/ml	98
72) Diethyl phthalate	8.245	149	139650	5.051	ug/ml	96
73) Fluorene	8.322	166	135782	4.998	ug/ml	94
74) 4-Chlorophenyl phenyl ...	8.340	204	70857	4.762	ug/ml#	82
75) 4-Nitroaniline	8.345	138	31856	5.453	ug/ml	97
76) 4,6-Dinitro-o-cresol	8.381	198	25873	4.921	ug/ml#	77
77) NDPA/DPA	8.451	169	117682	5.198	ug/ml	94
78) Azobenzene	8.487	77	131076	5.308	ug/ml	94
80) 4-Bromophenyl phenyl e...	8.810	248	46722	4.918	ug/ml#	82
81) Hexachlorobenzene	8.863	284	54782	4.731	ug/ml#	86
82) Pentachlorophenol	9.057	266	34192	5.429	ug/ml	99
89) Phenanthrene	9.251	178	217011	4.871	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	9.304	178	219053	5.072	ug/ml	98
91) Carbazole	9.469	167	203188	5.210	ug/ml	98
92) Di-n-butylphthalate	9.857	149	230120	5.473	ug/ml	99
93) Fluoranthene	10.416	202	264481M3	5.132	ug/ml	
94) Benzidine	10.569	184	154287	5.824	ug/ml#	97
95) Pyrene	10.639	202	281152	5.191	ug/ml	98
97) Butyl benzyl phthalate	11.357	149	104240	5.569	ug/ml	97
105) Benzo(a)anthracene	11.892	228	296985	5.090	ug/ml	98
106) 3,3'-Dichlorobenzidine	11.886	252	110333	5.384	ug/ml#	97
107) Chrysene	11.928	228	283579	4.761	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	11.998	149	165564	5.724	ug/ml#	99
109) Di-n-octylphthalate	12.686	149	269500	6.036	ug/ml	98
110) Benzo(b)fluoranthene	13.010	252	300049	4.946	ug/ml#	96
111) Benzo(k)fluoranthene	13.039	252	308413M3	5.536	ug/ml	
112) Benzo(a)pyrene	13.328	252	277956	5.336	ug/ml#	95
114) Indeno(1,2,3-cd)pyrene	14.404	276	309432M6	5.083	ug/mL	
115) Dibenzo(a,h)anthracene	14.428	278	300468	5.243	ug/ml#	91
116) Benzo(ghi)perylene	14.680	276	287735	5.034	ug/ml#	92

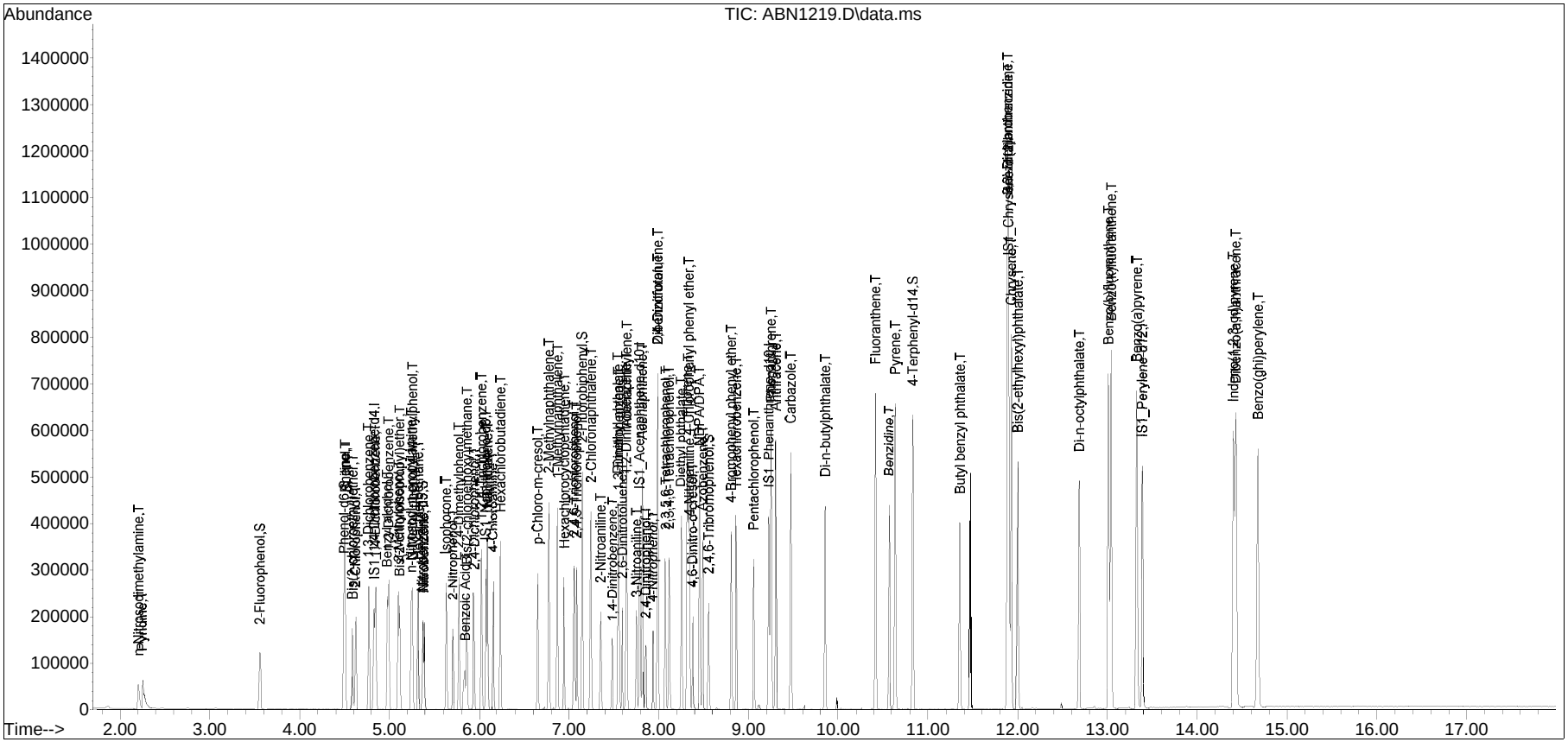
(#) = qualifier out of range (m) = manual integration (+) = signals summed

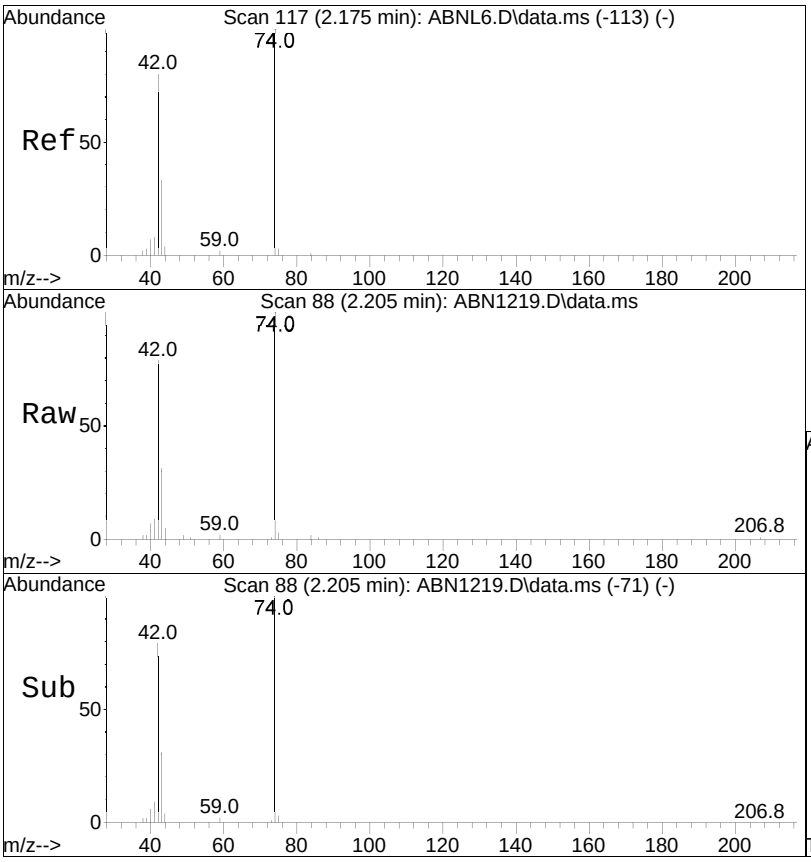
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:24 am
Operator : SV112:mrg
Sample : WG2011377-3,32,,ABN 11043 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 12:23:41 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:25:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

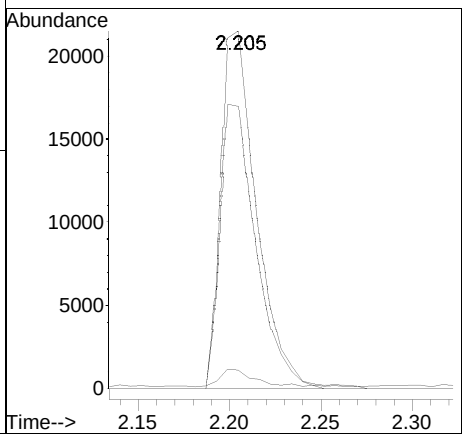


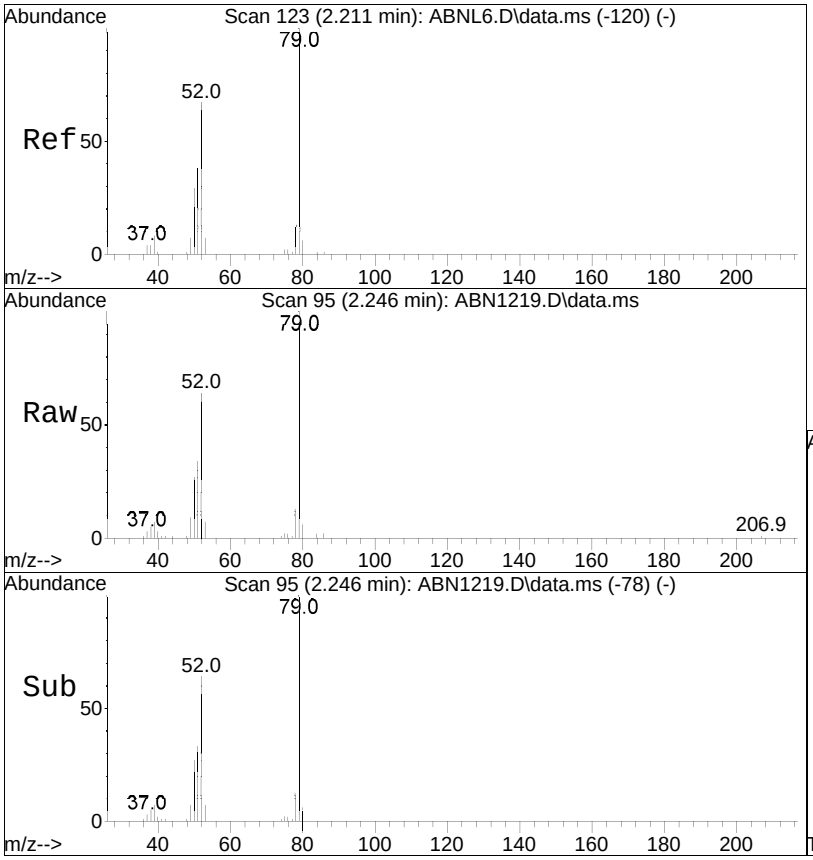


#2
n-Nitrosodimethylamine
Concen: 4.98 ug/ml
RT: 2.205 min Scan# 88
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 74 Resp: 29197

Ion	Ratio	Lower	Upper
74	100		
42	79.5	63.8	95.8
44	5.0	4.3	6.5

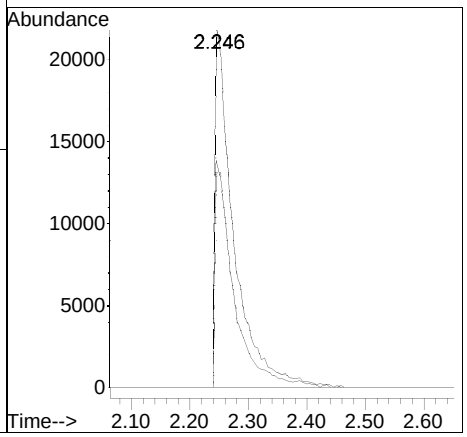


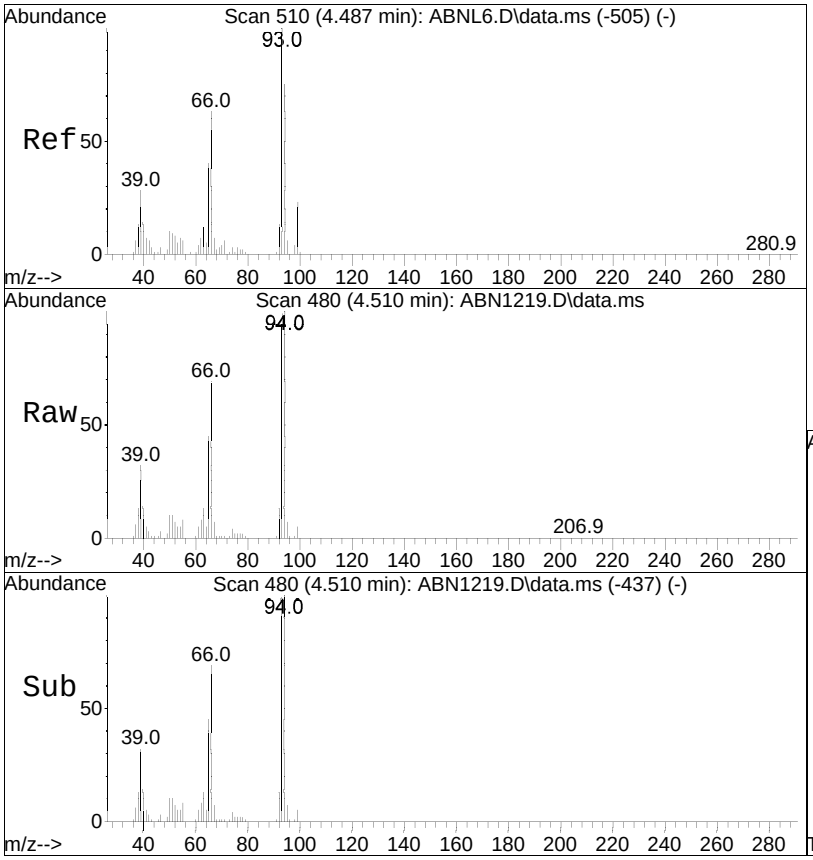


#3
Pyridine
Concen: 5.30 ug/ml M1
RT: 2.246 min Scan# 95
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 79 Resp: 48031

Ion	Ratio	Lower	Upper
79	100		
52	57.8	64.6	96.8#

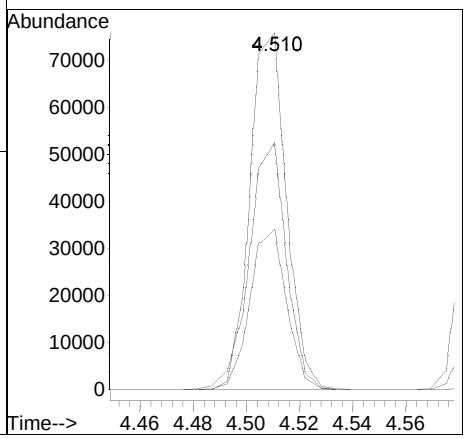


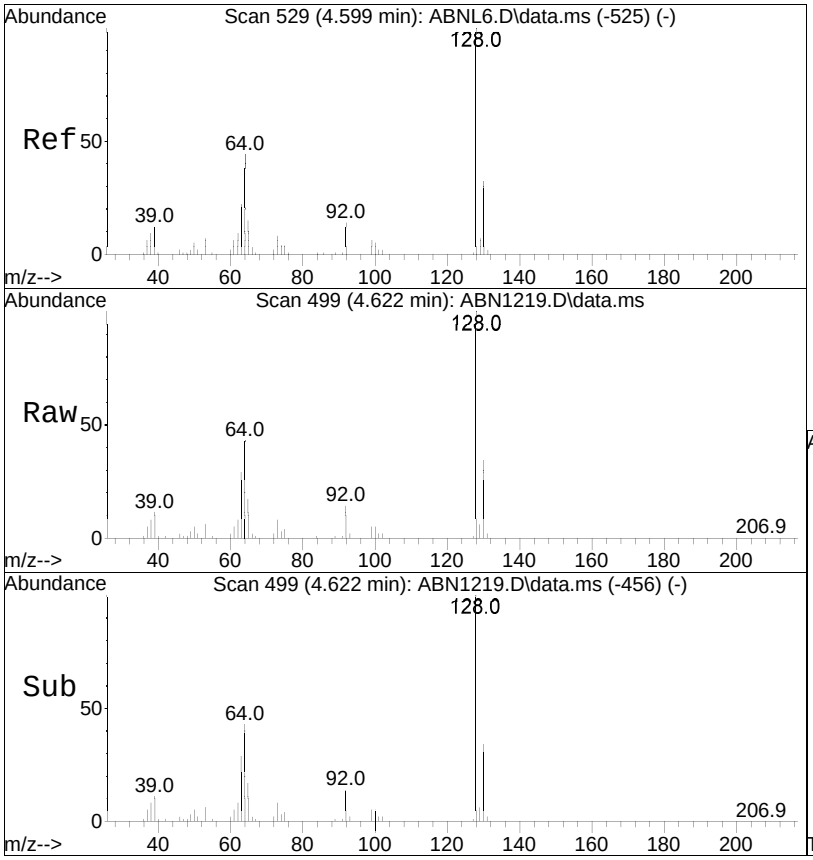


#5
Aniline
Concen: 5.20 ug/ml
RT: 4.510 min Scan# 480
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 93 Resp: 72598

Ion	Ratio	Lower	Upper
93	100		
66	70.4	31.3	46.9#
65	45.3	16.6	25.0#

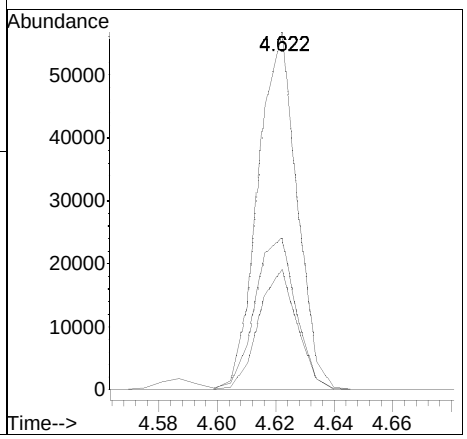


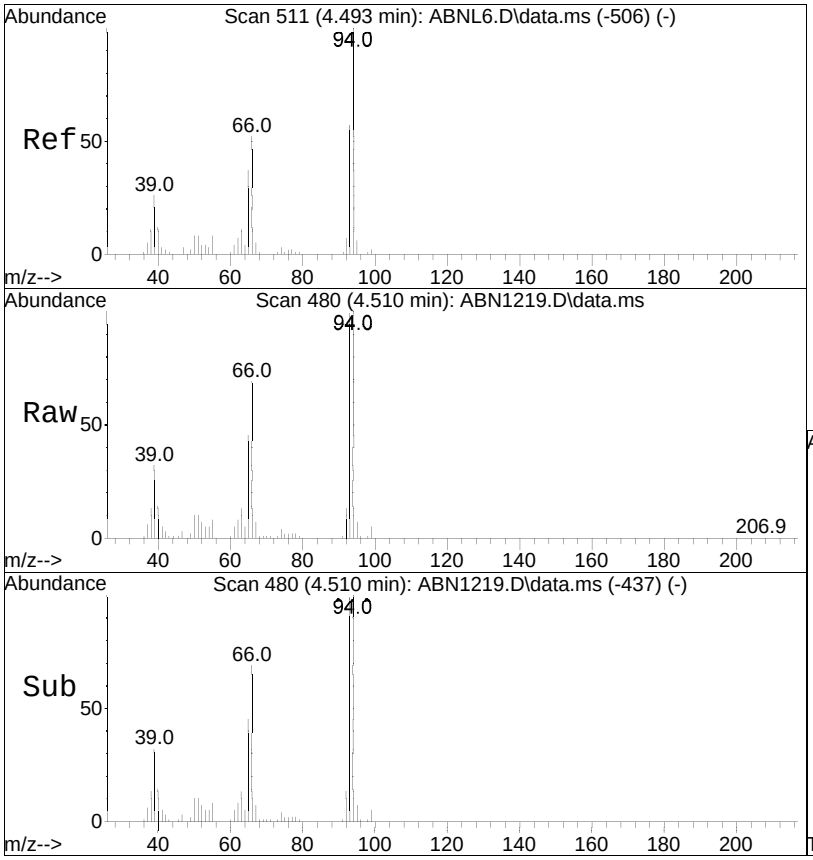


#6
2-Chlorophenol
Concen: 5.20 ug/ml
RT: 4.622 min Scan# 499
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:128 Resp: 52198

Ion	Ratio	Lower	Upper
128	100		
64	44.8	38.2	57.4
130	33.4	26.2	39.2

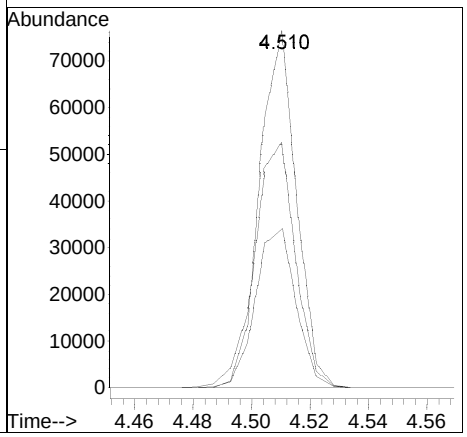


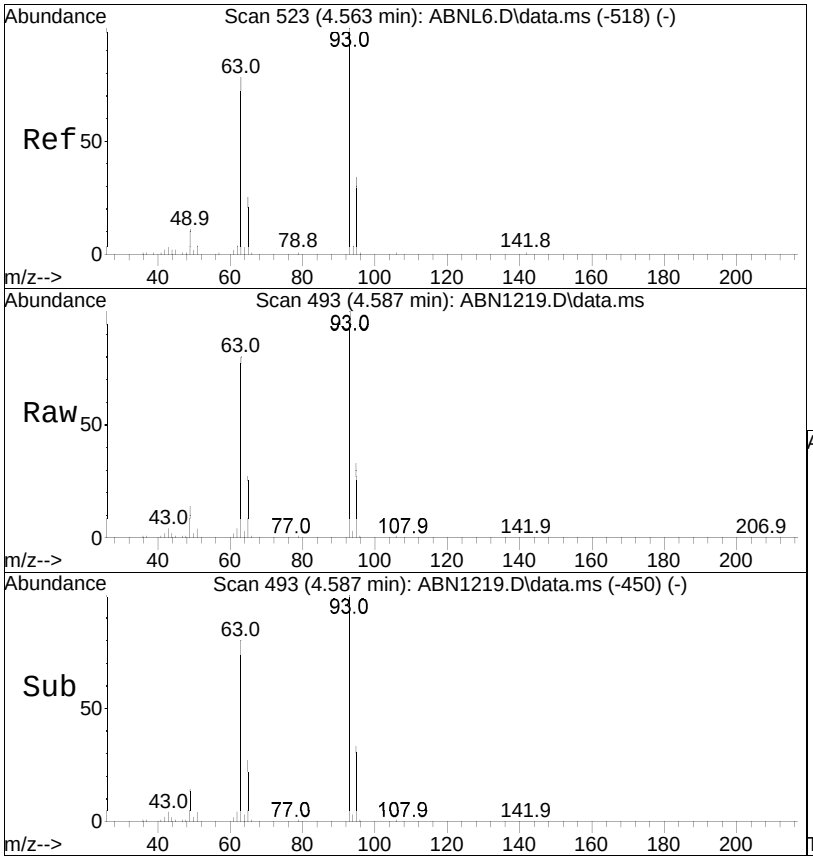


#8
Phenol
Concen: 5.25 ug/ml
RT: 4.510 min Scan# 480
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 94 Resp: 66799

Ion	Ratio	Lower	Upper
94	100		
65	49.2	23.0	34.6#
66	76.5	32.1	48.1#

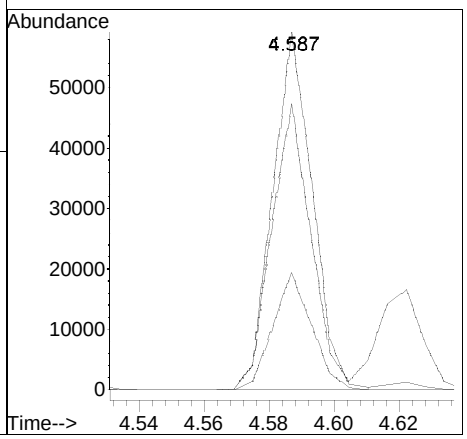


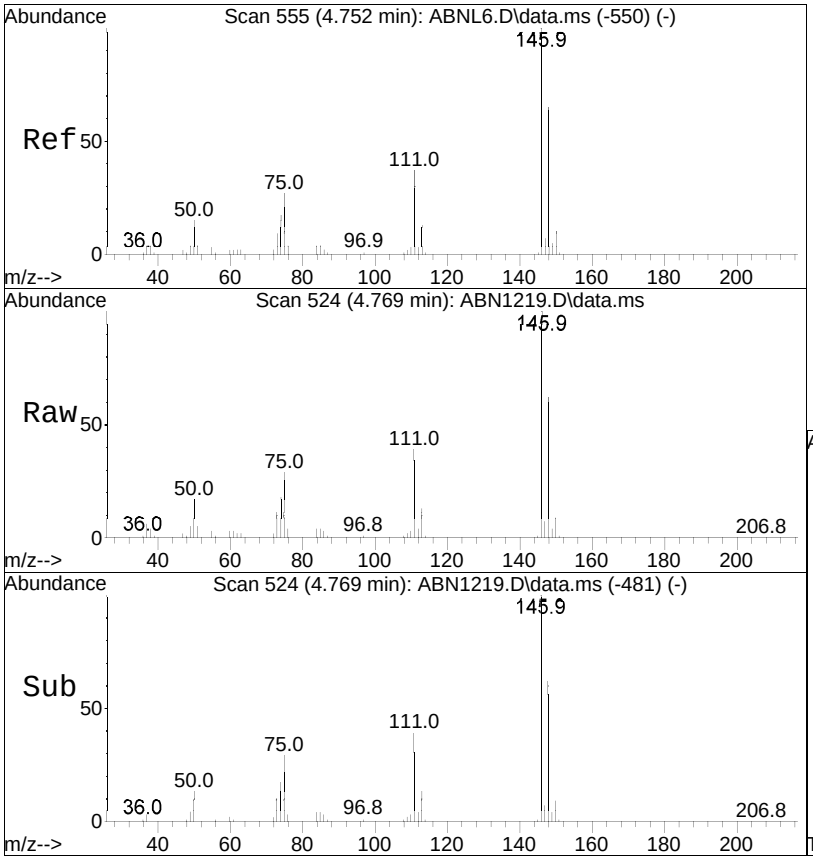


#9
Bis(2-chloroethyl)ether
Concen: 5.14 ug/ml
RT: 4.587 min Scan# 493
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 93 Resp: 49724

Ion	Ratio	Lower	Upper
93	100		
63	80.0	67.0	100.4
95	32.1	26.1	39.1

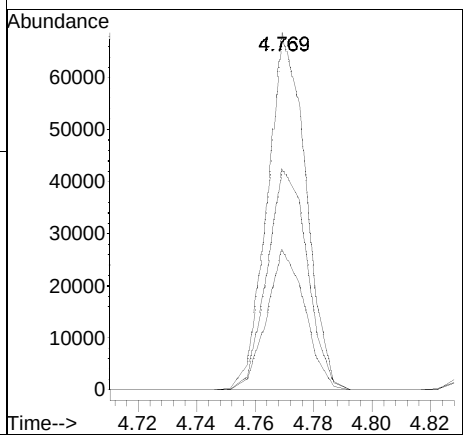


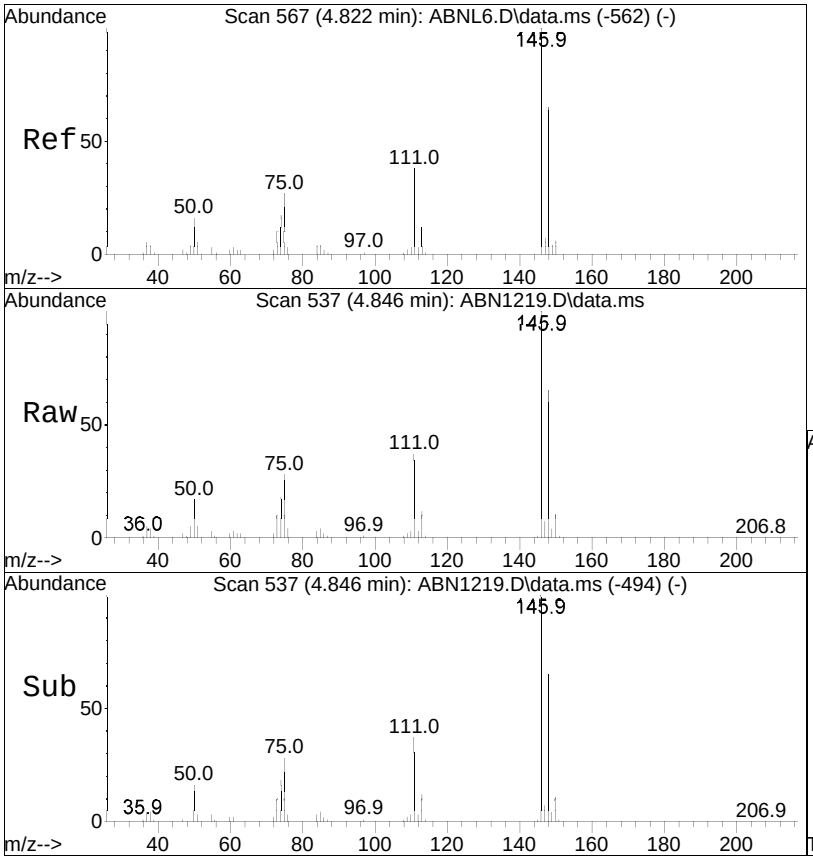


#10
1,3-Dichlorobenzene
Concen: 5.07 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:146 Resp: 62293

Ion	Ratio	Lower	Upper
146	100		
111	39.2	35.0	52.4
148	64.2	51.3	76.9

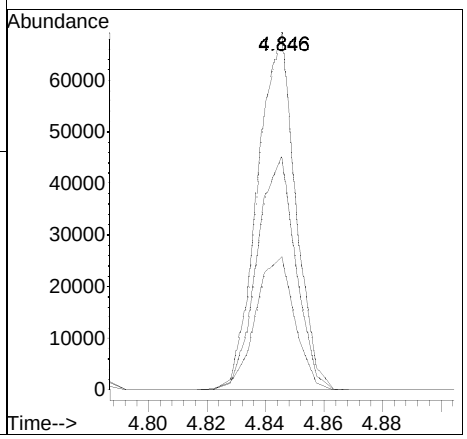


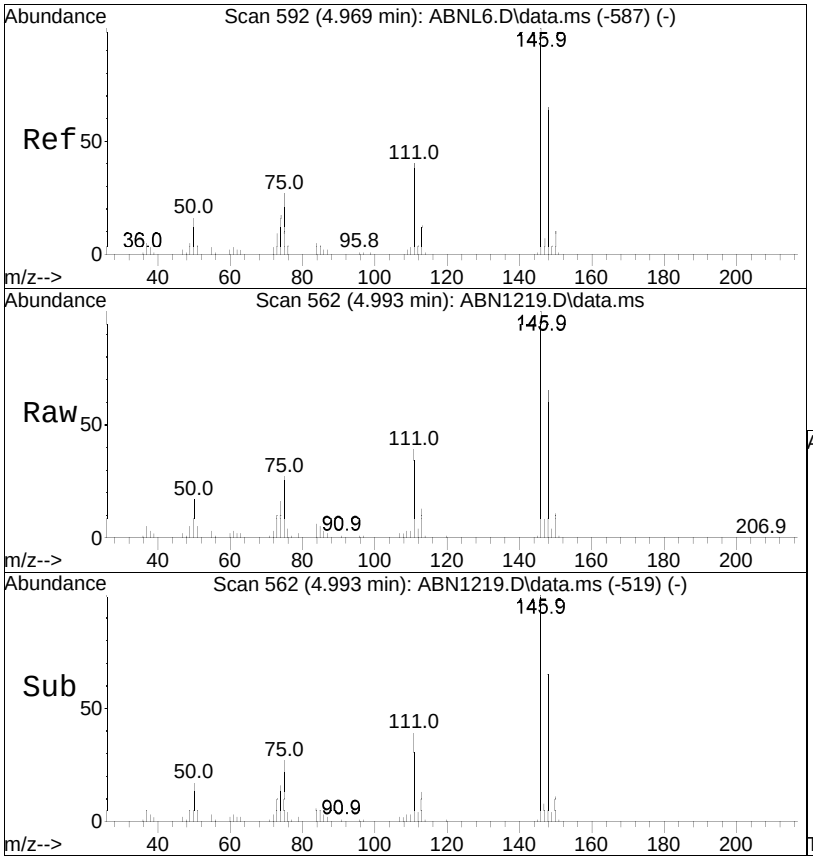


#11
1,4-Dichlorobenzene
Concen: 5.00 ug/ml
RT: 4.846 min Scan# 537
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:146 Resp: 62023

Ion	Ratio	Lower	Upper
146	100		
148	66.5	51.1	76.7
111	38.7	34.4	51.6

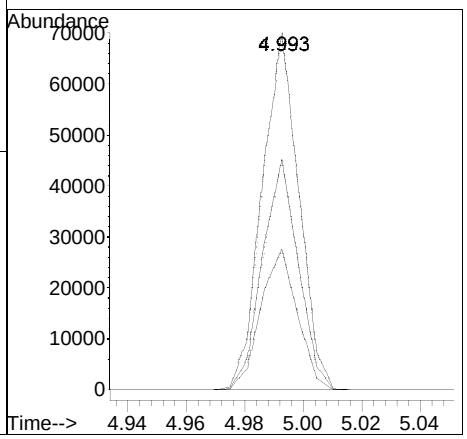


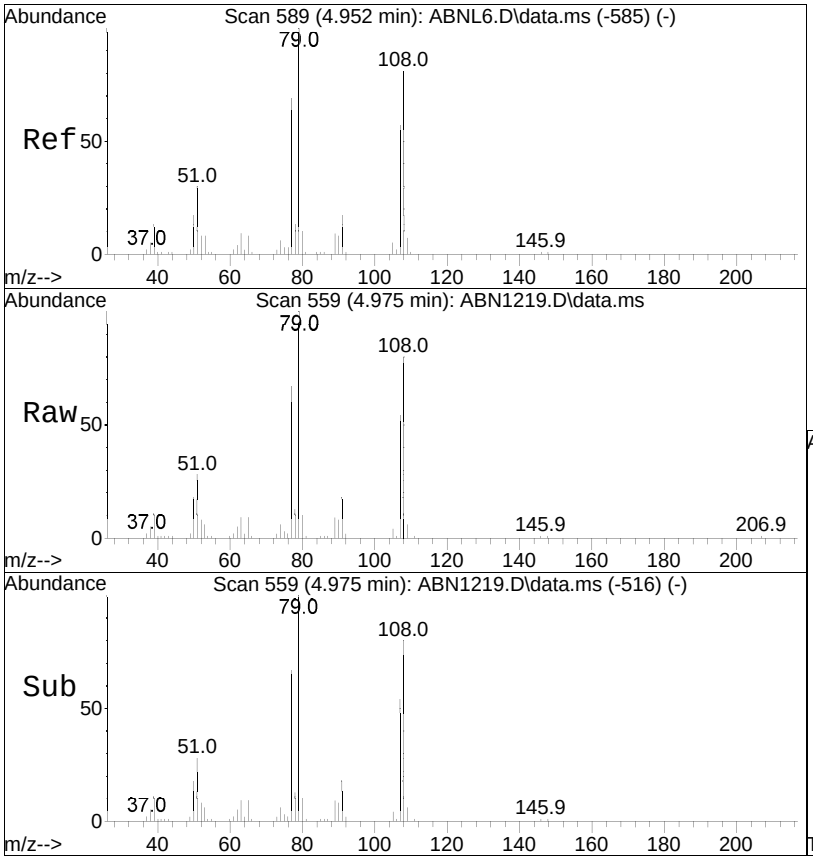


#12
1,2-Dichlorobenzene
Concen: 5.01 ug/ml
RT: 4.993 min Scan# 562
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:146 Resp: 60507

Ion	Ratio	Lower	Upper
146	100		
111	39.6	35.5	53.3
148	63.4	50.6	76.0

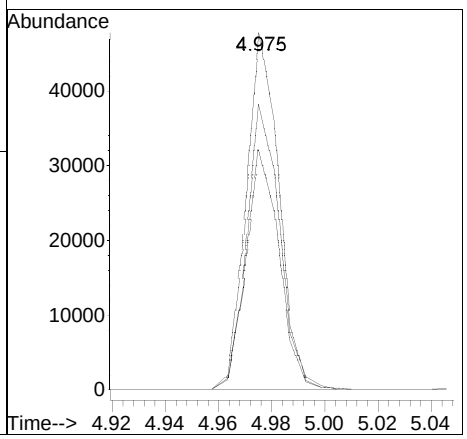


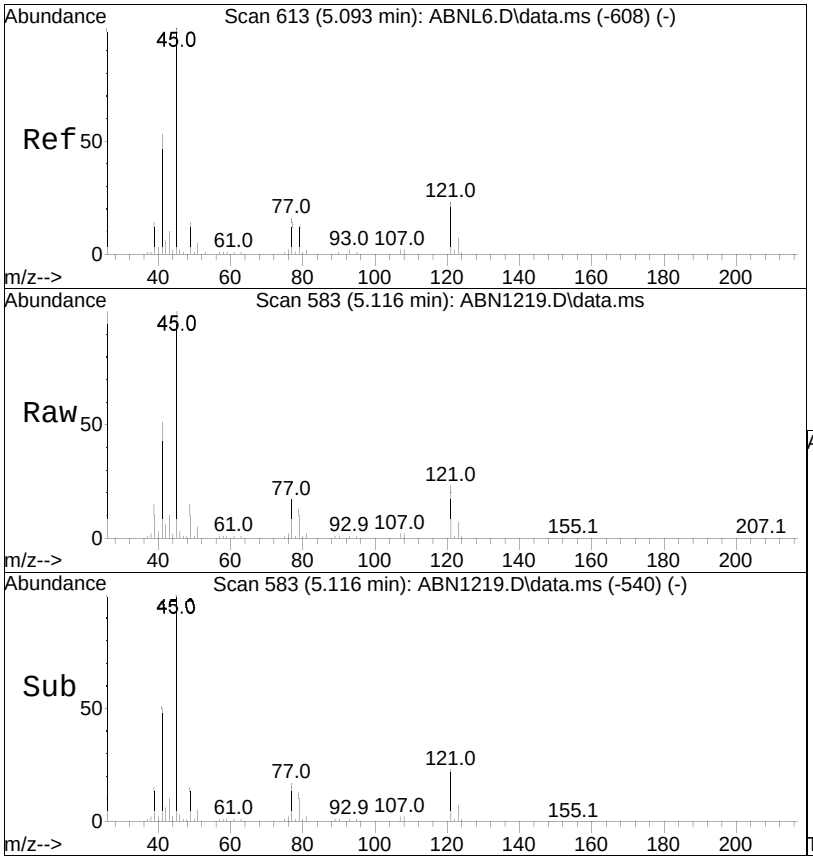


#13
Benzyl alcohol
Concen: 5.19 ug/ml
RT: 4.975 min Scan# 559
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 79 Resp: 40636

Ion	Ratio	Lower	Upper
79	100		
77	68.4	51.8	77.6
108	80.5	63.9	95.9

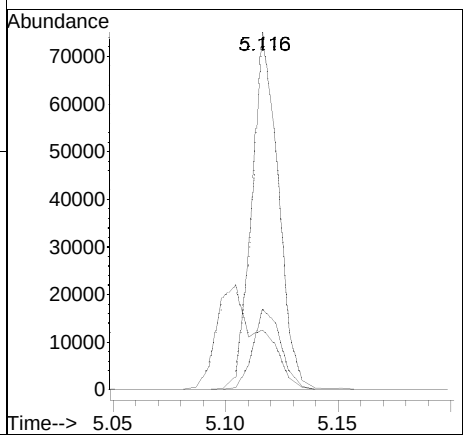


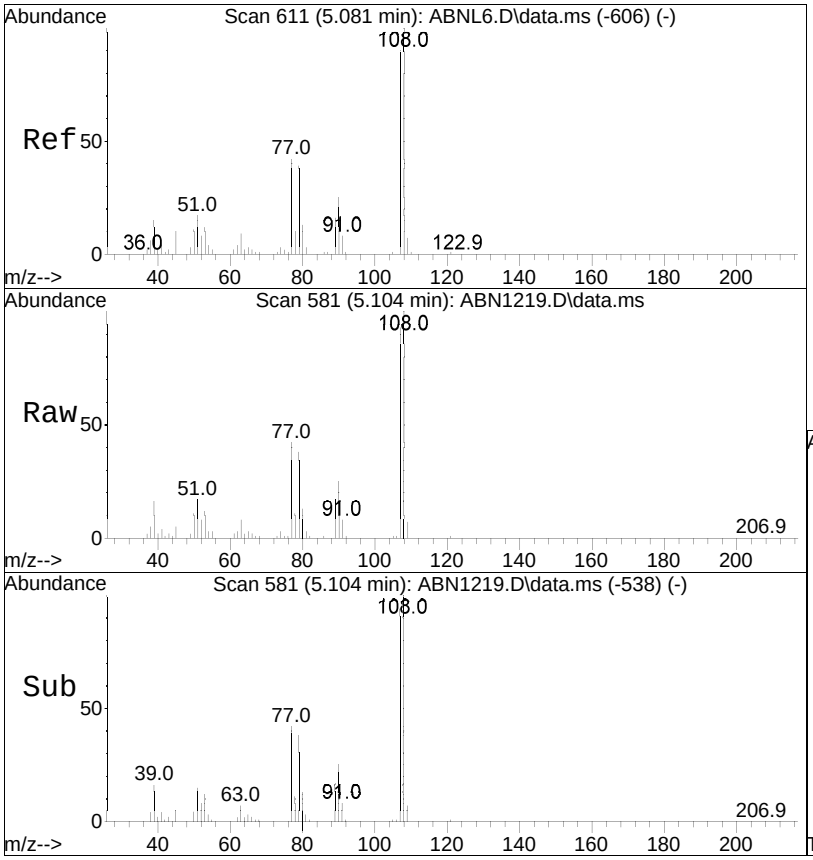


#14
Bis(2-chloroisopropyl)ether
Concen: 5.29 ug/ml
RT: 5.116 min Scan# 583
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 45 Resp: 60971

Ion	Ratio	Lower	Upper
45	100		
121	23.9	14.8	22.2#
77	47.8	10.5	15.7#

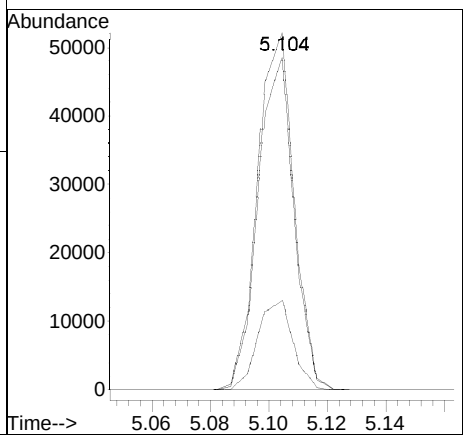


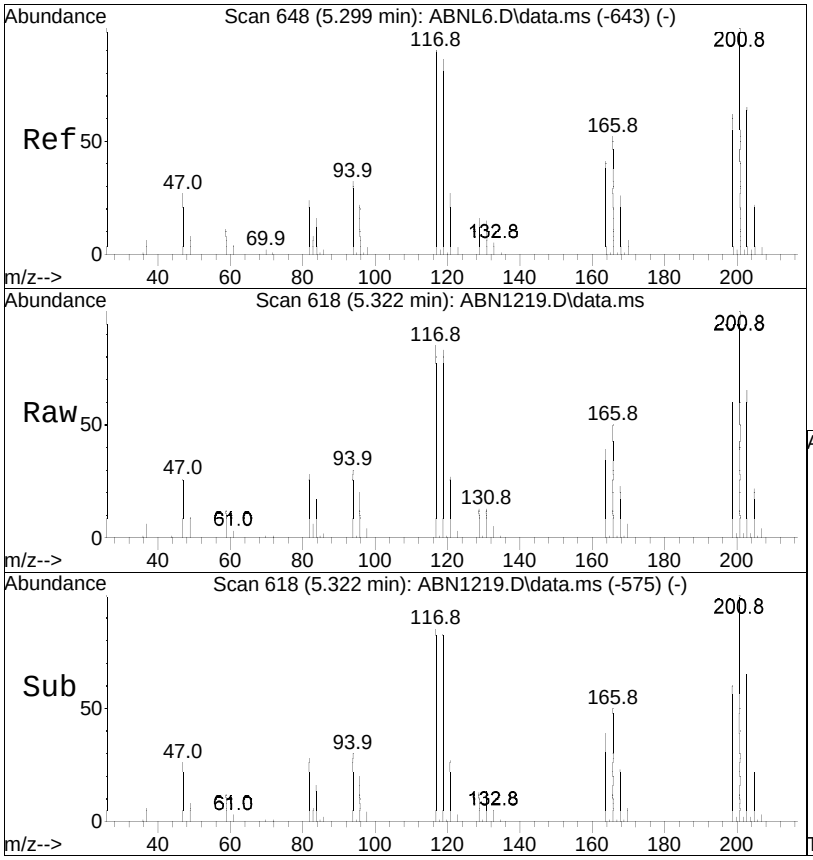


#15
2-Methylphenol
Concen: 5.26 ug/ml
RT: 5.104 min Scan# 581
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:108 Resp: 45251

Ion	Ratio	Lower	Upper
108	100		
107	91.1	71.0	106.4
90	24.2	19.7	29.5

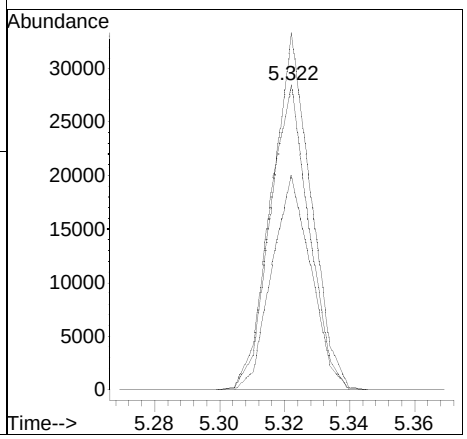


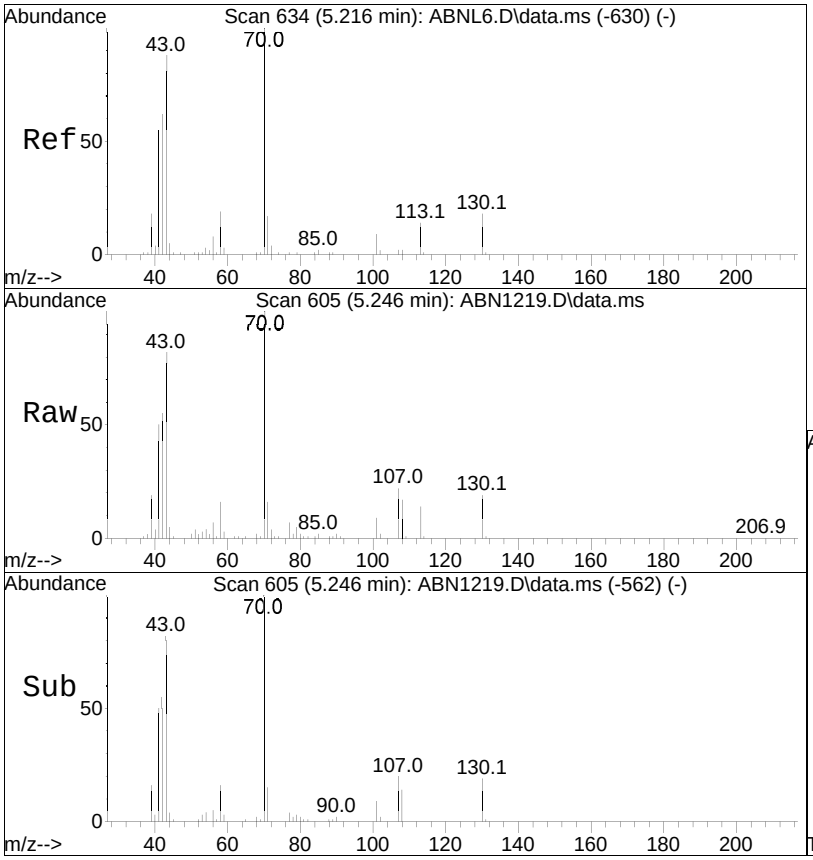


#16
Hexachloroethane
Concen: 5.16 ug/ml
RT: 5.322 min Scan# 618
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:117 Resp: 24168

Ion	Ratio	Lower	Upper
117	100		
201	112.7	64.4	96.6#
199	69.2	40.5	60.7#

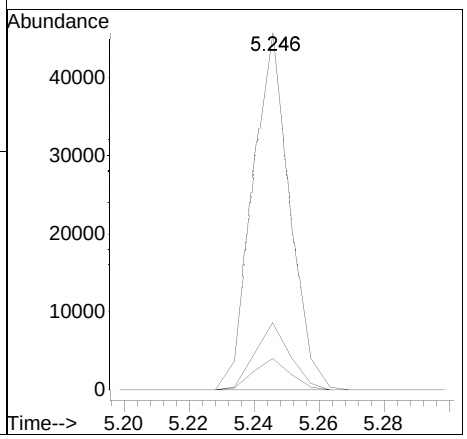


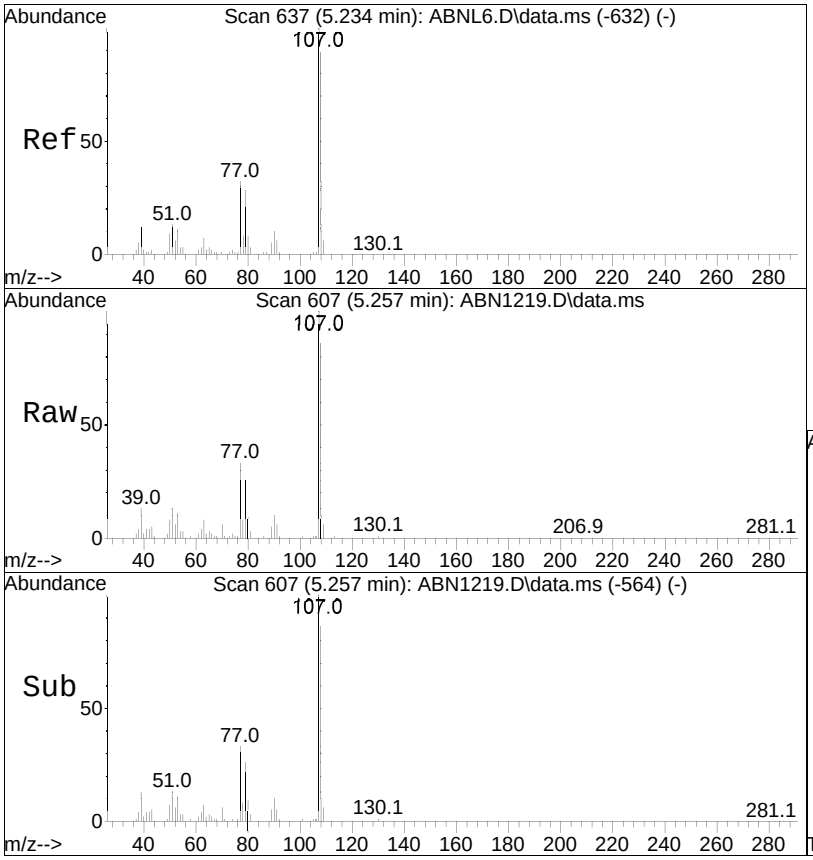


#17
n-Nitrosodi-n-propylamine
Concen: 5.11 ug/ml
RT: 5.246 min Scan# 605
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 70 Resp: 36210

Ion	Ratio	Lower	Upper
70	100		
130	17.8	16.2	24.4
101	8.6	7.6	11.4

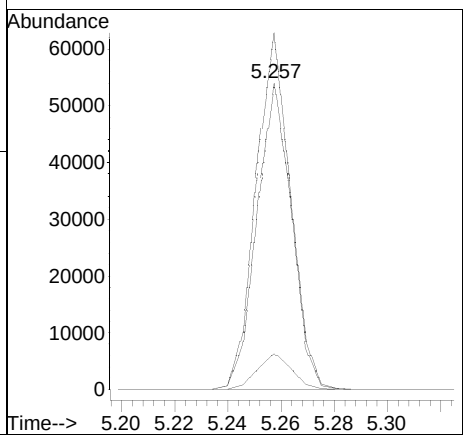


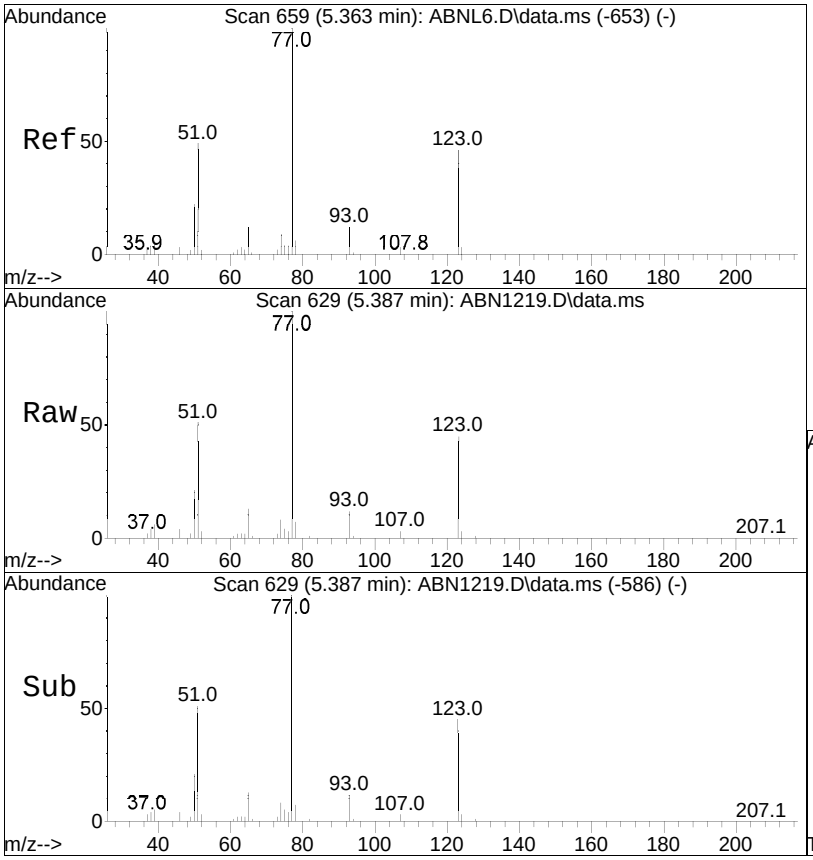


#18
3-Methylphenol/4-Methylphenol
Concen: 5.21 ug/ml
RT: 5.257 min Scan# 607
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:108 Resp: 48755

Ion	Ratio	Lower	Upper
108	100		
107	116.1	88.8	133.2
90	11.5	9.0	13.6

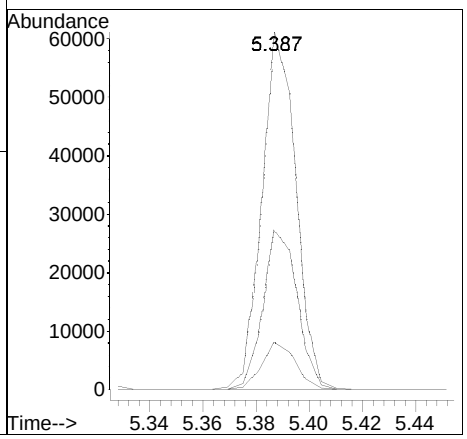


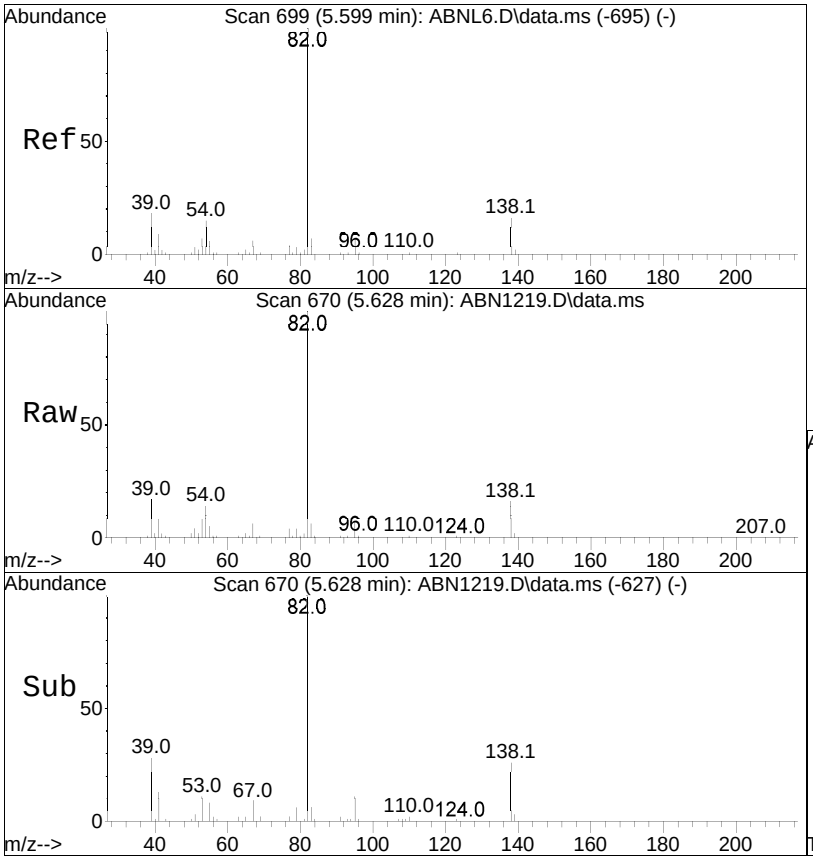


#20
Nitrobenzene
Concen: 5.16 ug/ml
RT: 5.387 min Scan# 629
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 77 Resp: 53841

Ion	Ratio	Lower	Upper
77	100		
123	45.3	37.3	55.9
65	13.3	10.9	16.3

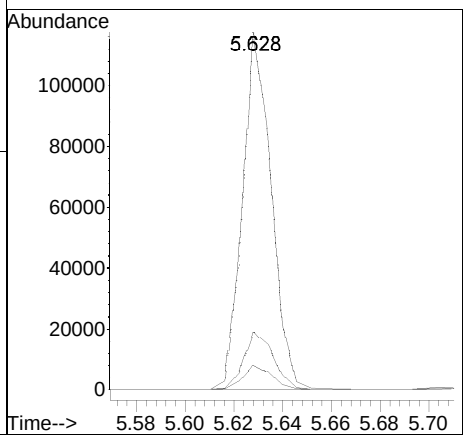


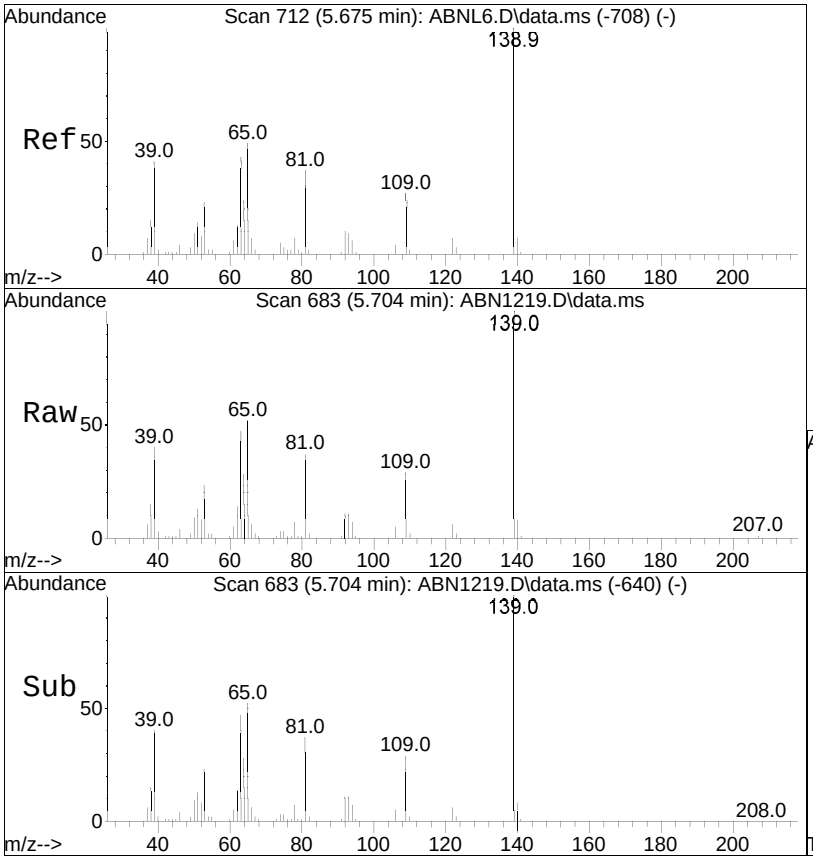


#21
Isophorone
Concen: 5.12 ug/ml
RT: 5.628 min Scan# 670
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 82 Resp: 95172

Ion	Ratio	Lower	Upper
82	100		
138	16.7	13.0	19.4
95	6.8	5.5	8.3

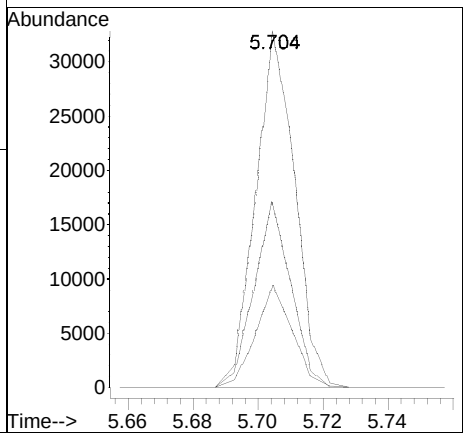


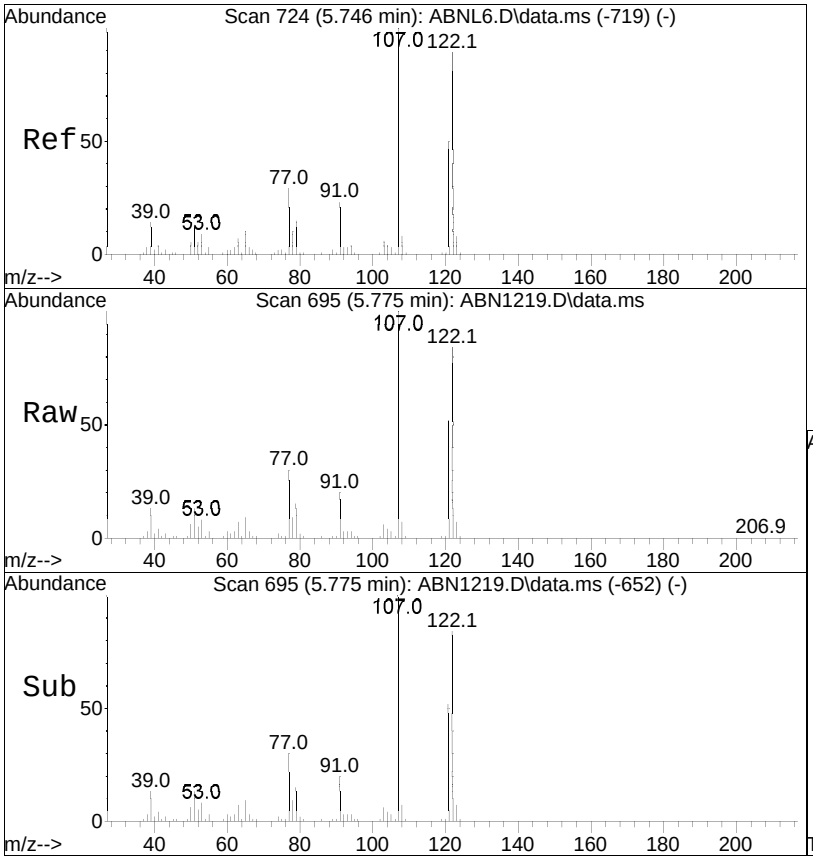


#22
2-Nitrophenol
Concen: 5.59 ug/ml
RT: 5.704 min Scan# 683
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:139 Resp: 27222

Ion	Ratio	Lower	Upper
139	100		
109	27.3	23.1	34.7
65	49.4	41.4	62.2

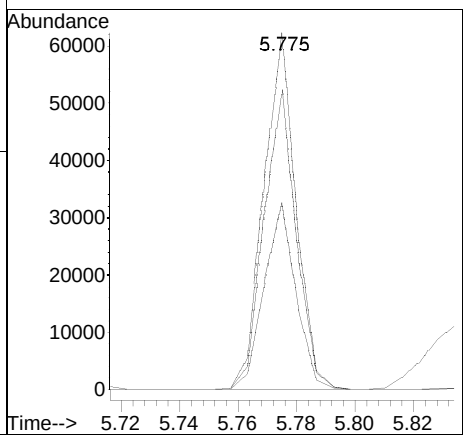


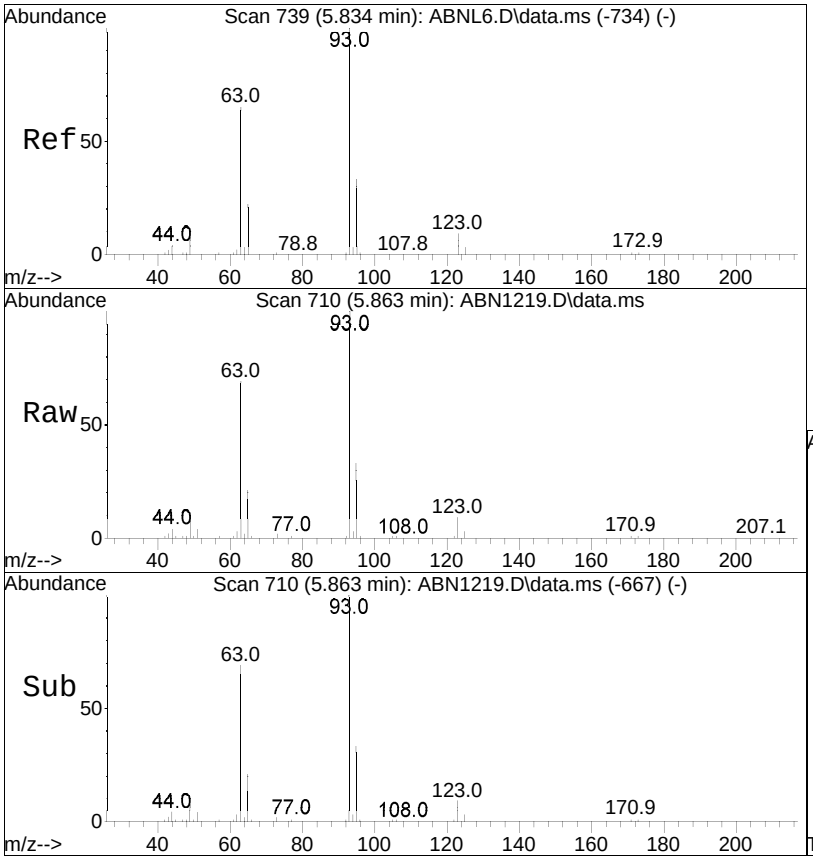


#23
2,4-Dimethylphenol
Concen: 5.41 ug/ml
RT: 5.775 min Scan# 695
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:107 Resp: 47159

Ion	Ratio	Lower	Upper
107	100		
121	51.8	41.3	61.9
122	84.0	69.3	103.9

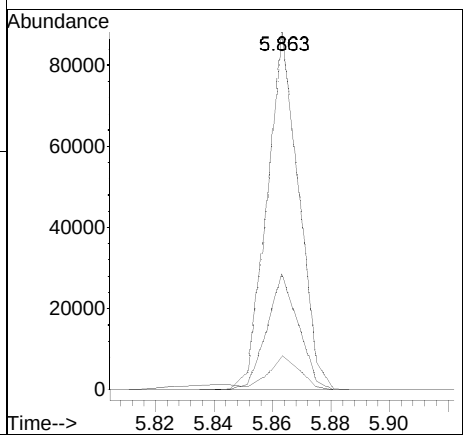


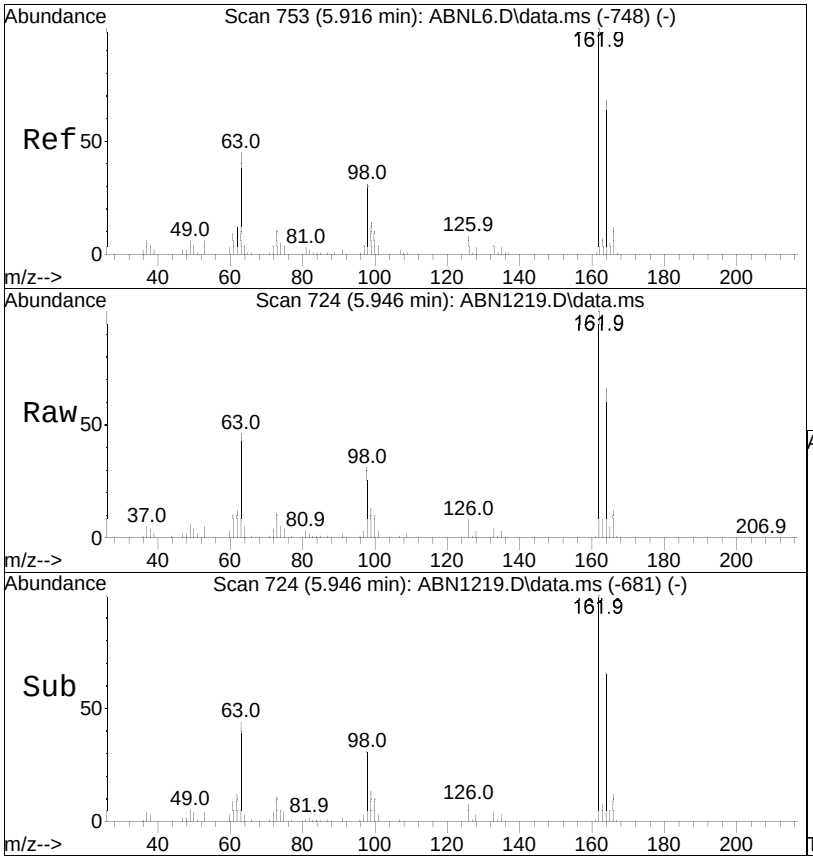


#24
Bis(2-chloroethoxy)methane
Concen: 5.14 ug/ml
RT: 5.863 min Scan# 710
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 93 Resp: 65810

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	12.3	9.6	14.4

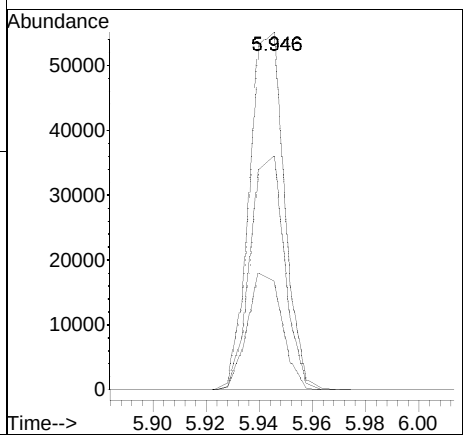


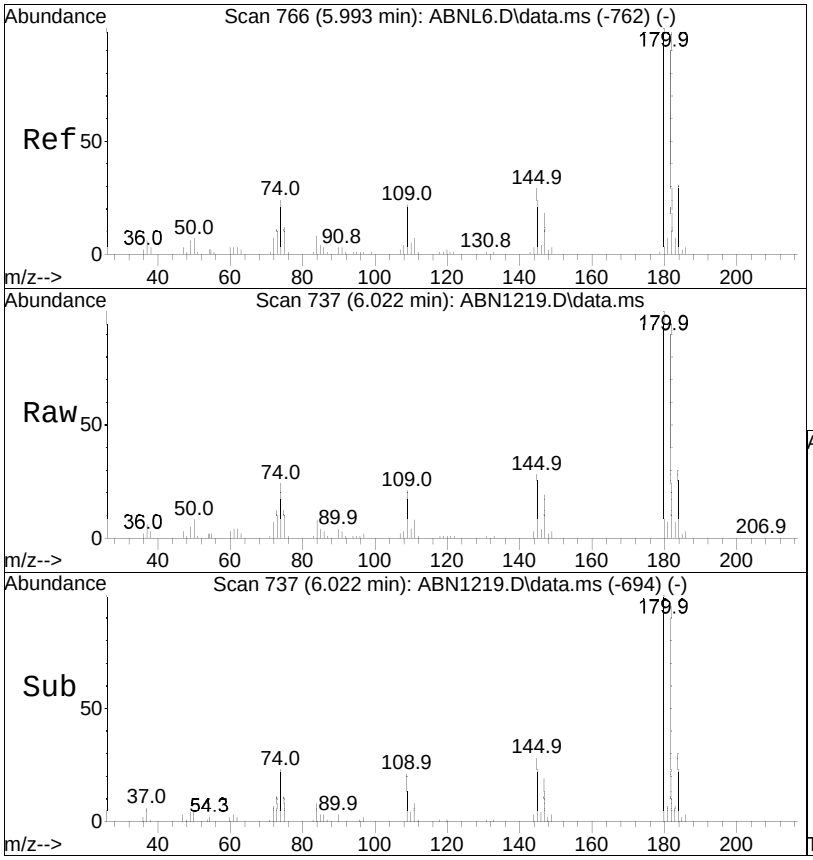


#25
2,4-Dichlorophenol
Concen: 5.24 ug/ml
RT: 5.946 min Scan# 724
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:162 Resp: 50028

Ion	Ratio	Lower	Upper
162	100		
164	64.7	51.1	76.7
98	32.7	32.2	48.2

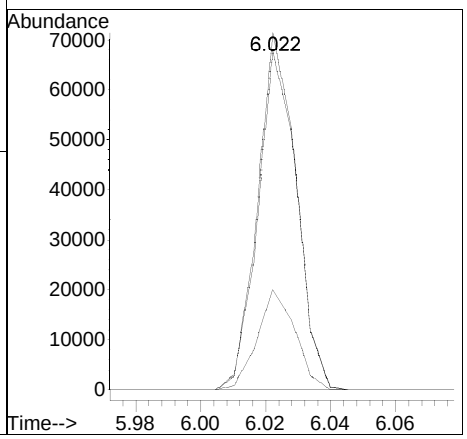


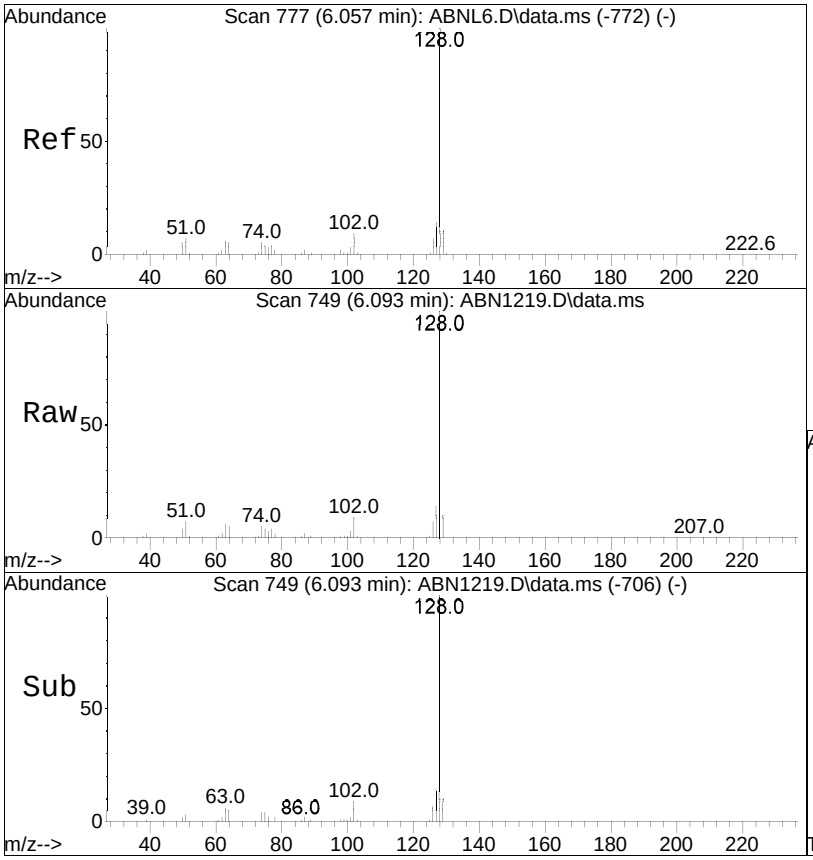


#26
1,2,4-Trichlorobenzene
Concen: 4.98 ug/ml
RT: 6.022 min Scan# 737
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:180 Resp: 58612

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	27.6	26.3	39.5

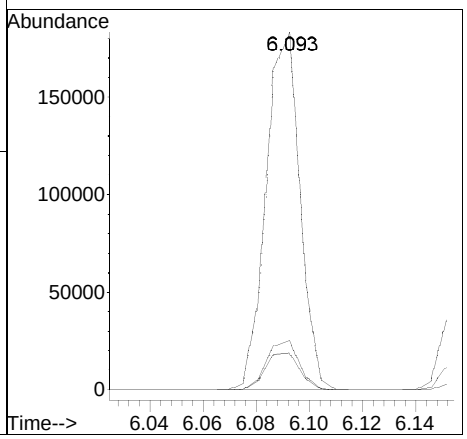


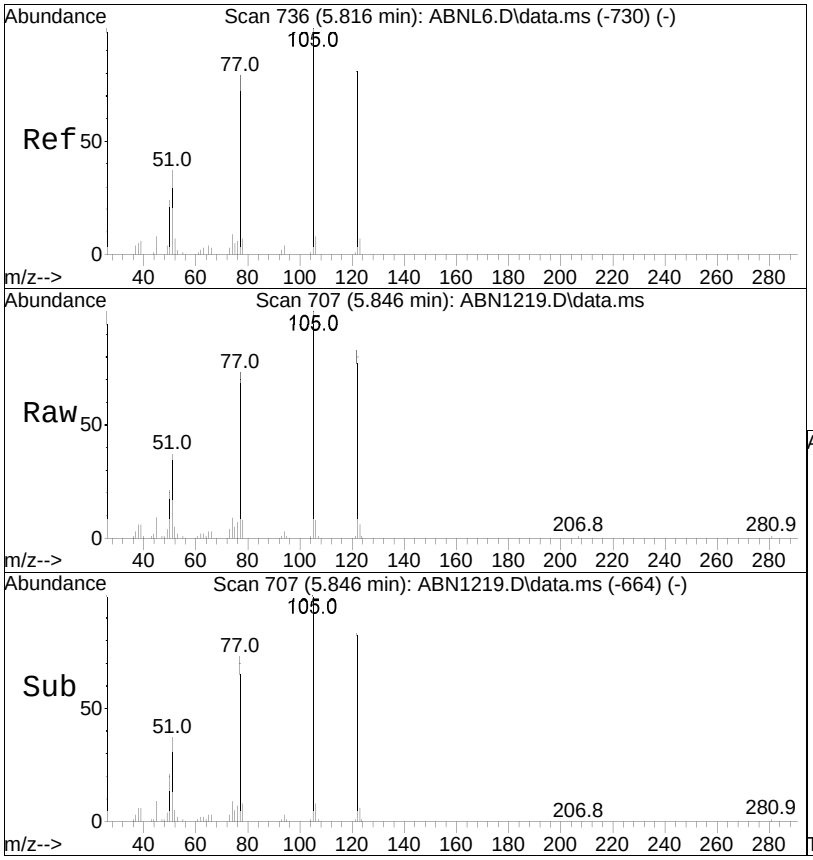


#36
Naphthalene
Concen: 5.13 ug/ml
RT: 6.093 min Scan# 749
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:128 Resp: 160713

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.5	10.6	15.8

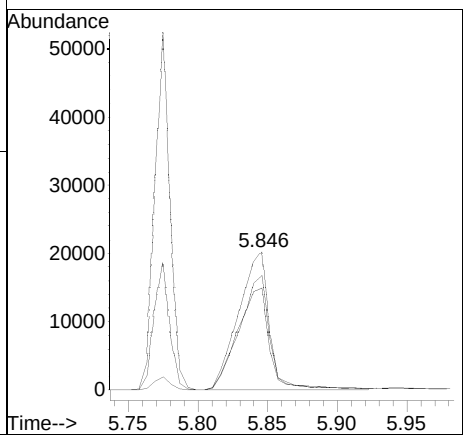


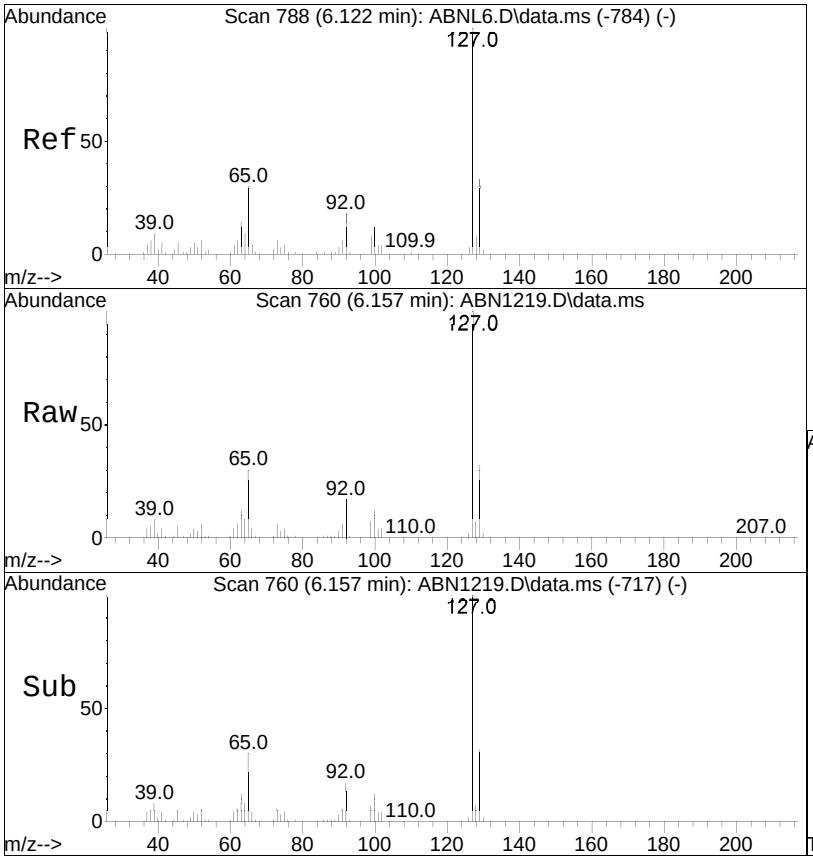


#37
Benzoic Acid
Concen: 4.25 ug/ml
RT: 5.846 min Scan# 707
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:105 Resp: 31642

Ion	Ratio	Lower	Upper
105	100		
122	82.0	62.6	93.8
77	75.5	59.1	88.7

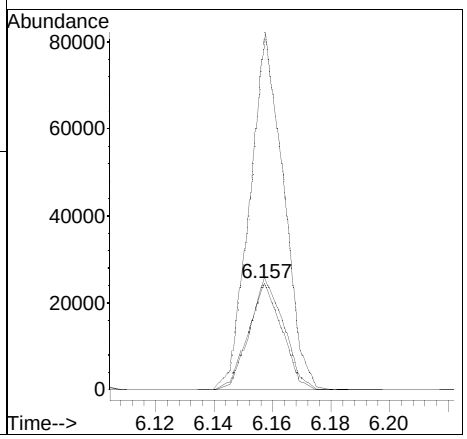


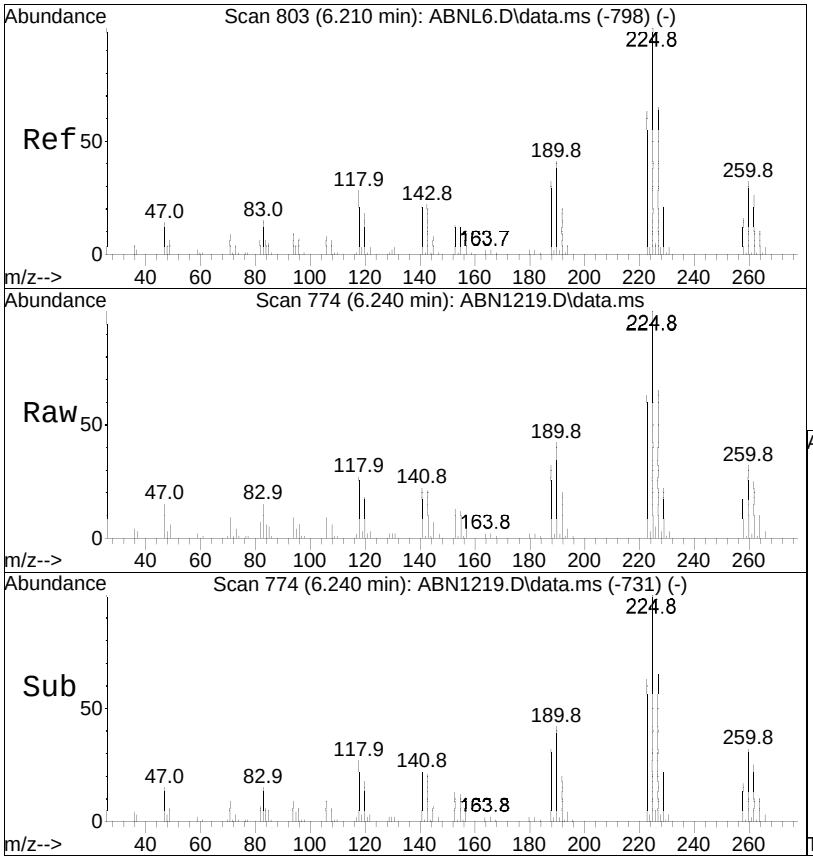


#38
4-Chloroaniline
Concen: 5.33 ug/ml
RT: 6.157 min Scan# 760
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 65 Resp: 19604

Ion	Ratio	Lower	Upper
65	100		
127	333.2	266.2	399.4
129	105.7	85.0	127.4

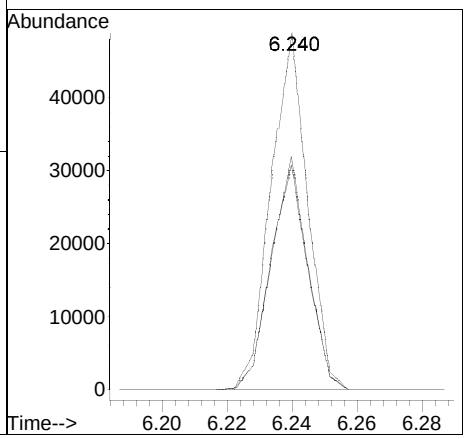


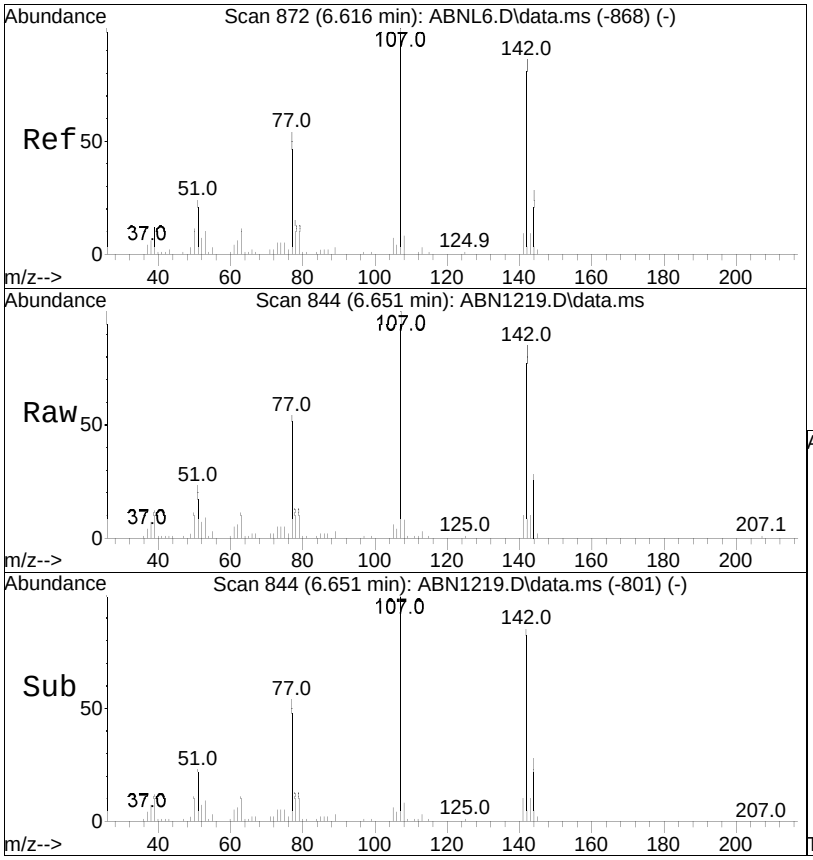


#39
Hexachlorobutadiene
Concen: 4.92 ug/ml
RT: 6.240 min Scan# 774
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:225 Resp: 38082

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.5	75.7
227	65.0	50.4	75.6

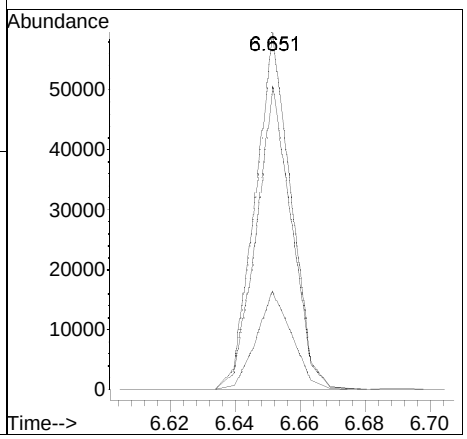


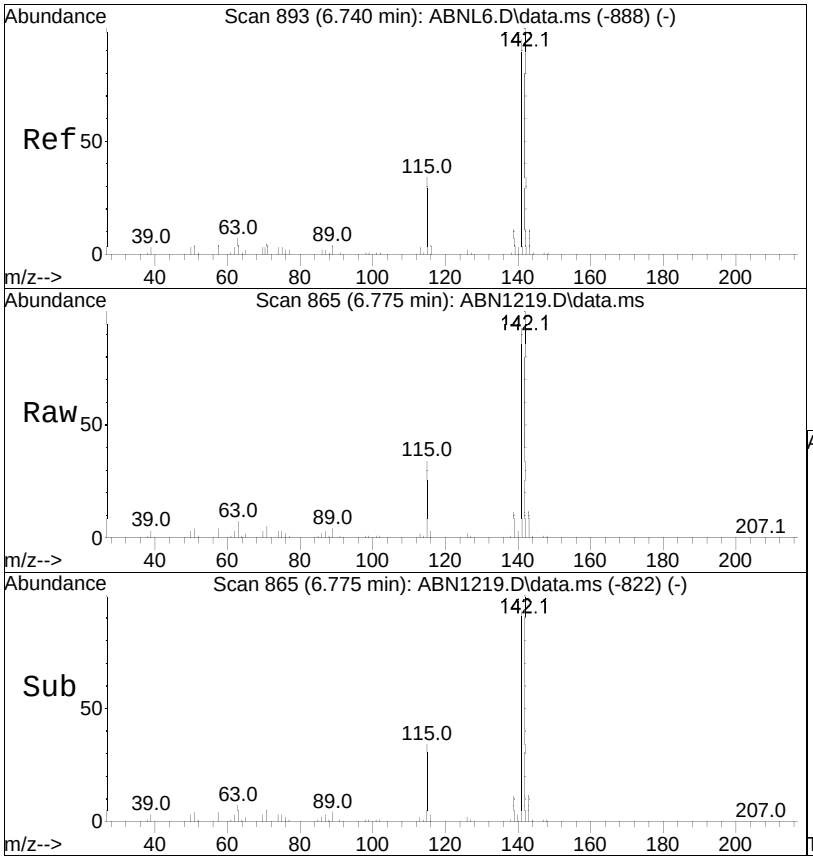


#40
p-Chloro-m-cresol
Concen: 5.32 ug/ml
RT: 6.651 min Scan# 844
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:107 Resp: 45173

Ion	Ratio	Lower	Upper
107	100		
144	27.3	20.3	30.5
142	84.0	63.8	95.6

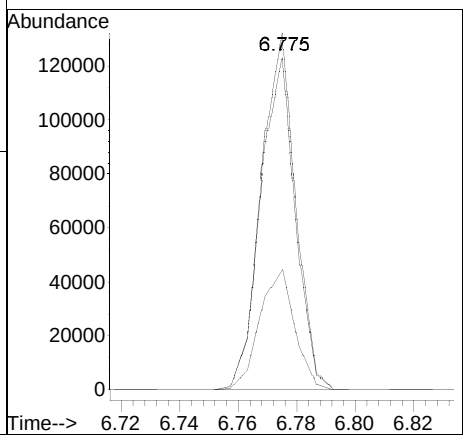


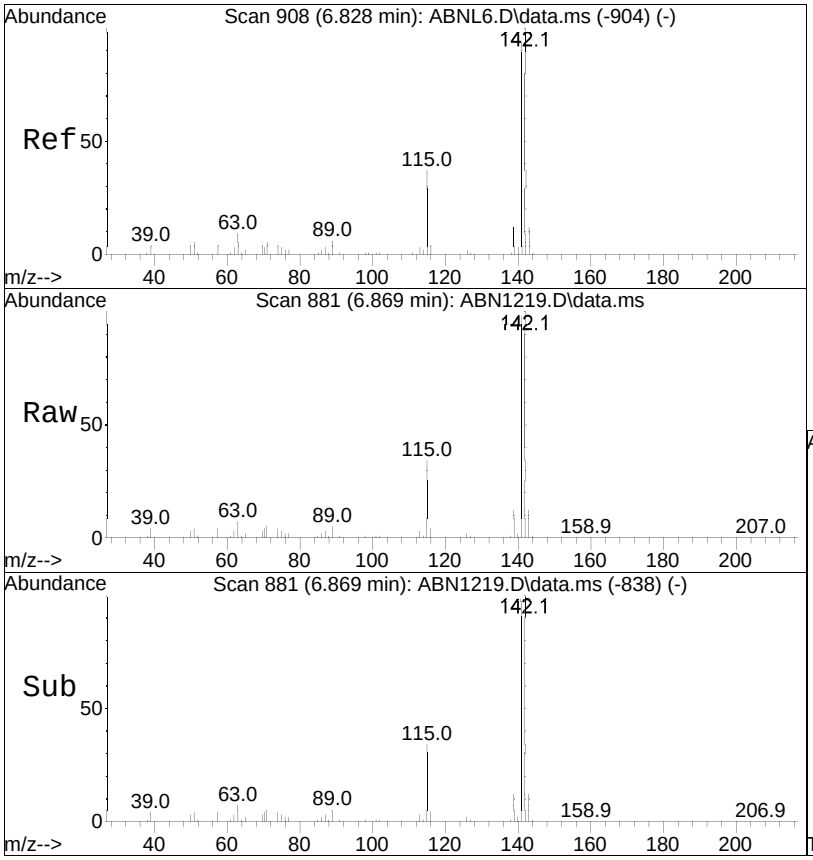


#41
2-Methylnaphthalene
Concen: 4.97 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:142 Resp: 107776

Ion	Ratio	Lower	Upper
142	100		
141	93.8	72.2	108.4
115	34.5	27.8	41.6

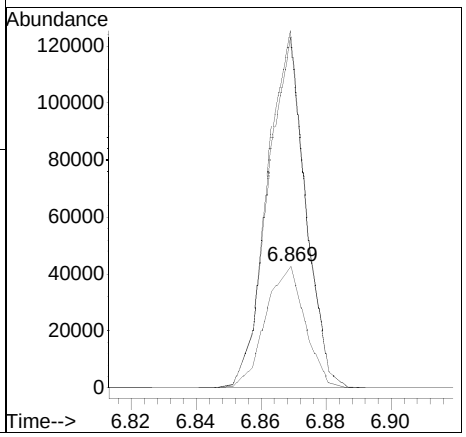


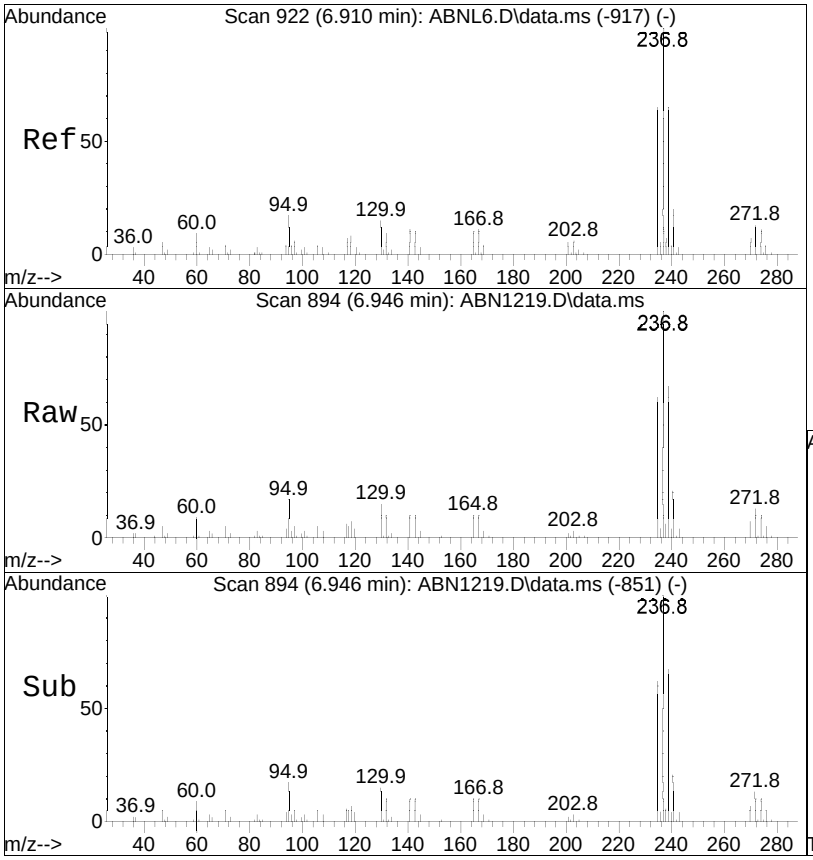


#42
1-Methylnaphthalene
Concen: 4.92 ug/ml
RT: 6.869 min Scan# 881
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:115 Resp: 36004

Ion	Ratio	Lower	Upper
115	100		
141	273.5	205.4	308.2
142	282.7	220.2	330.4

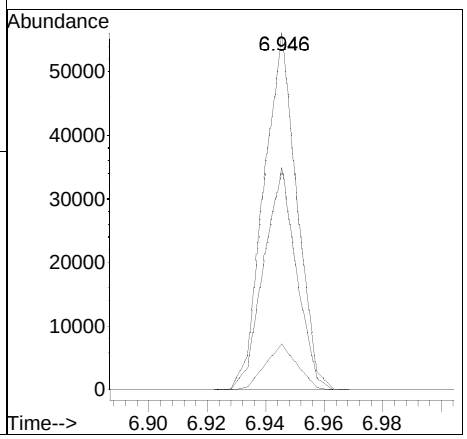


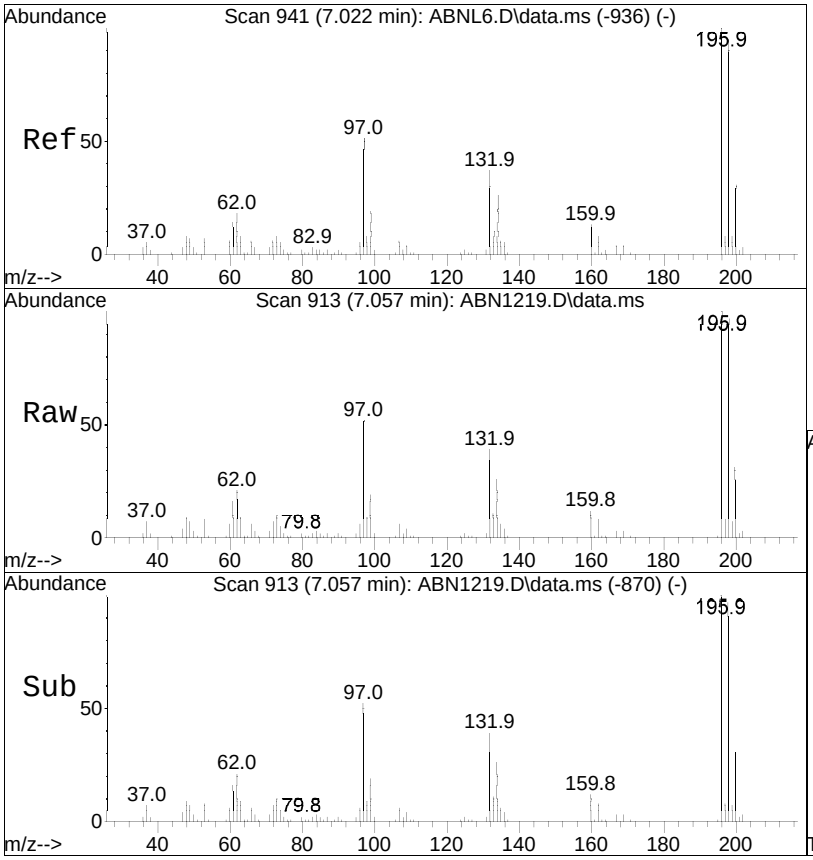


#43
Hexachlorocyclopentadiene
Concen: 5.44 ug/ml
RT: 6.946 min Scan# 894
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:237 Resp: 43817

Ion	Ratio	Lower	Upper
237	100		
235	62.0	50.9	76.3
272	12.6	10.1	15.1

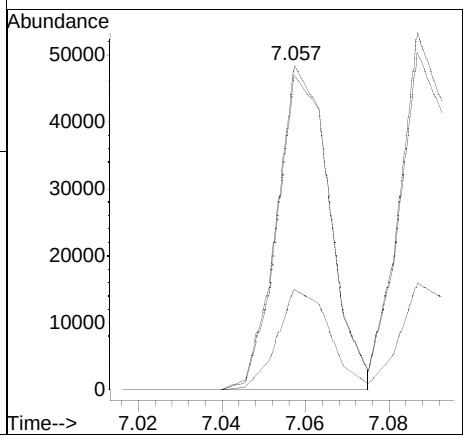


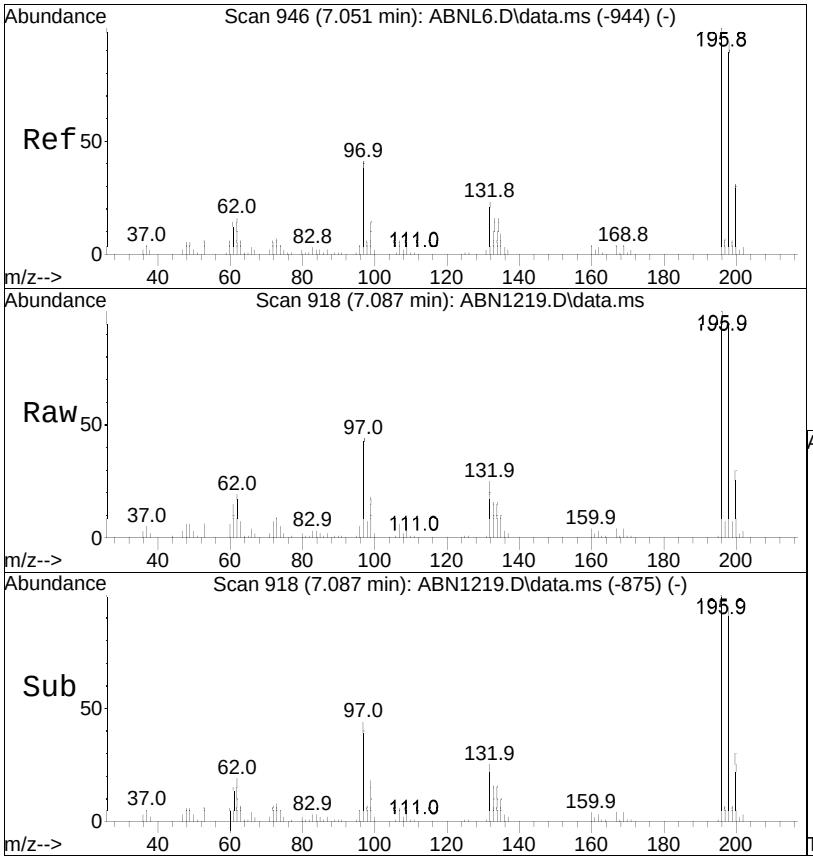


#44
2,4,6-Trichlorophenol
Concen: 5.35 ug/ml
RT: 7.057 min Scan# 913
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:196 Resp: 42697

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.4	114.6
200	30.7	24.4	36.6

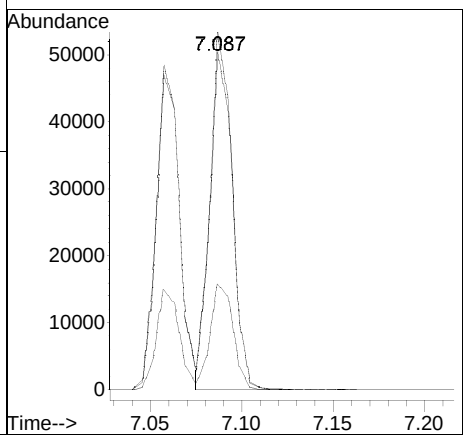


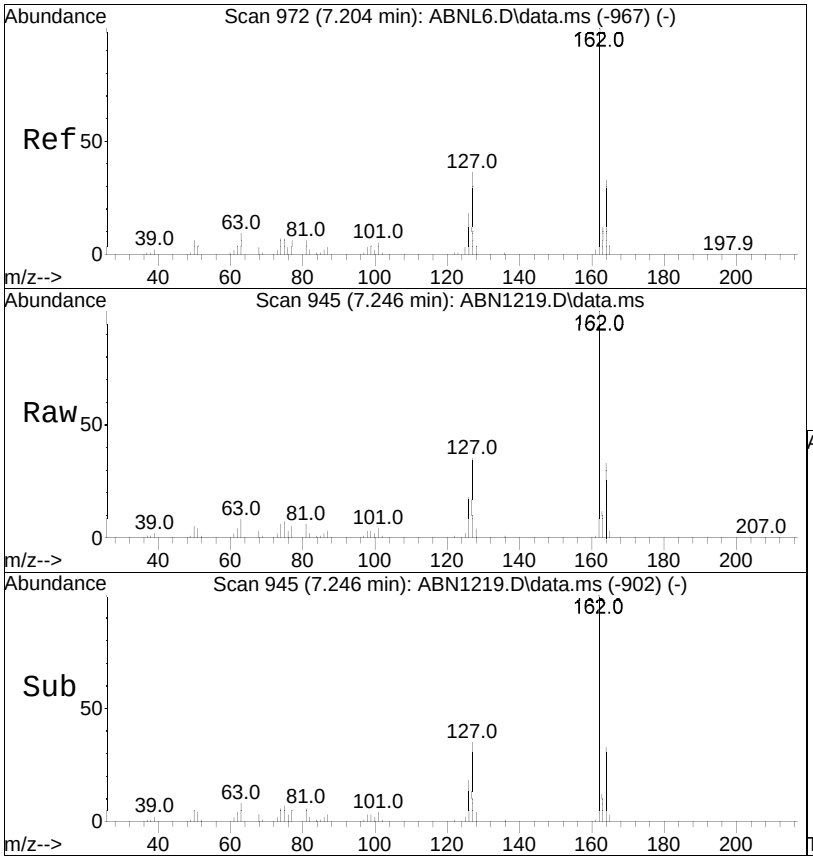


#45
2,4,5-Trichlorophenol
Concen: 5.27 ug/ml M3
RT: 7.087 min Scan# 918
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:196 Resp: 45027

Ion	Ratio	Lower	Upper
196	100		
200	29.1	24.2	36.4
198	92.2	76.2	114.2

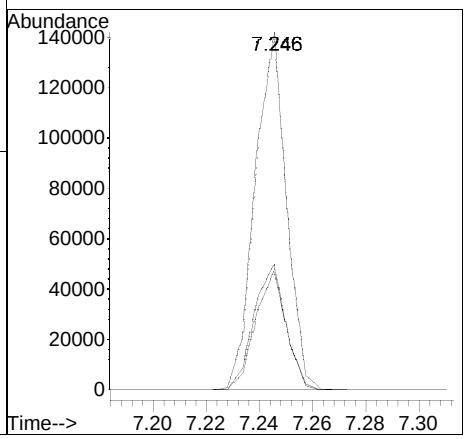


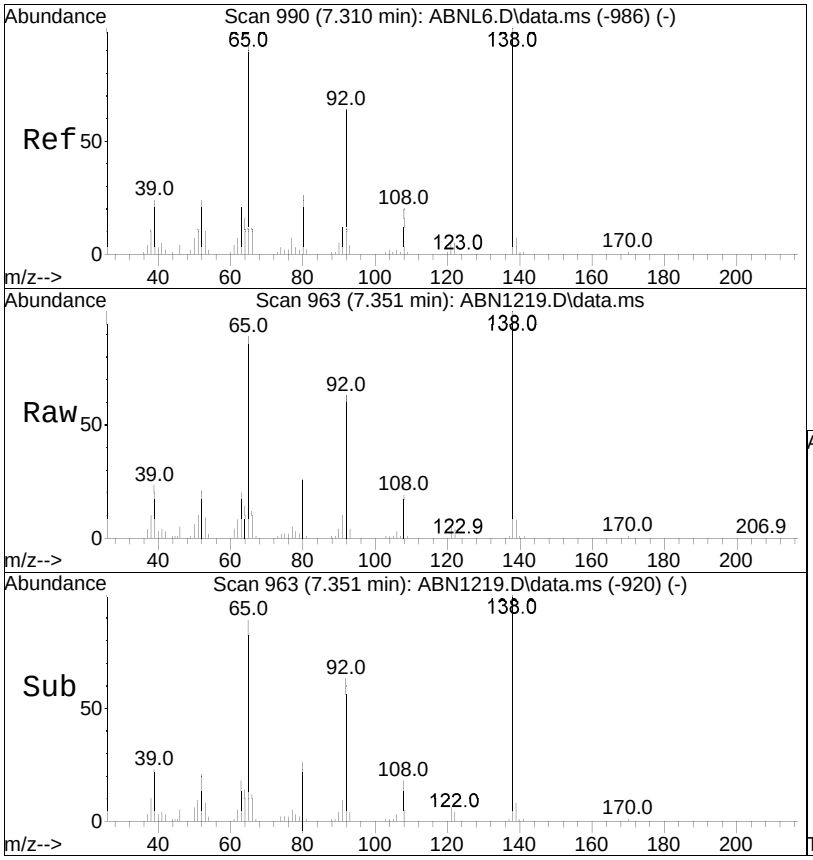


#47
2-Chloronaphthalene
Concen: 4.96 ug/ml
RT: 7.246 min Scan# 945
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:162 Resp: 114434

Ion	Ratio	Lower	Upper
162	100		
127	35.8	33.8	50.6
164	33.1	25.8	38.6

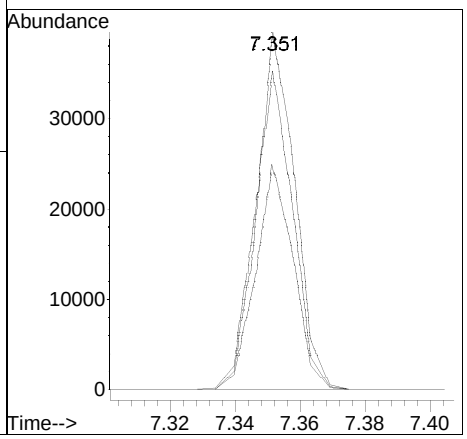


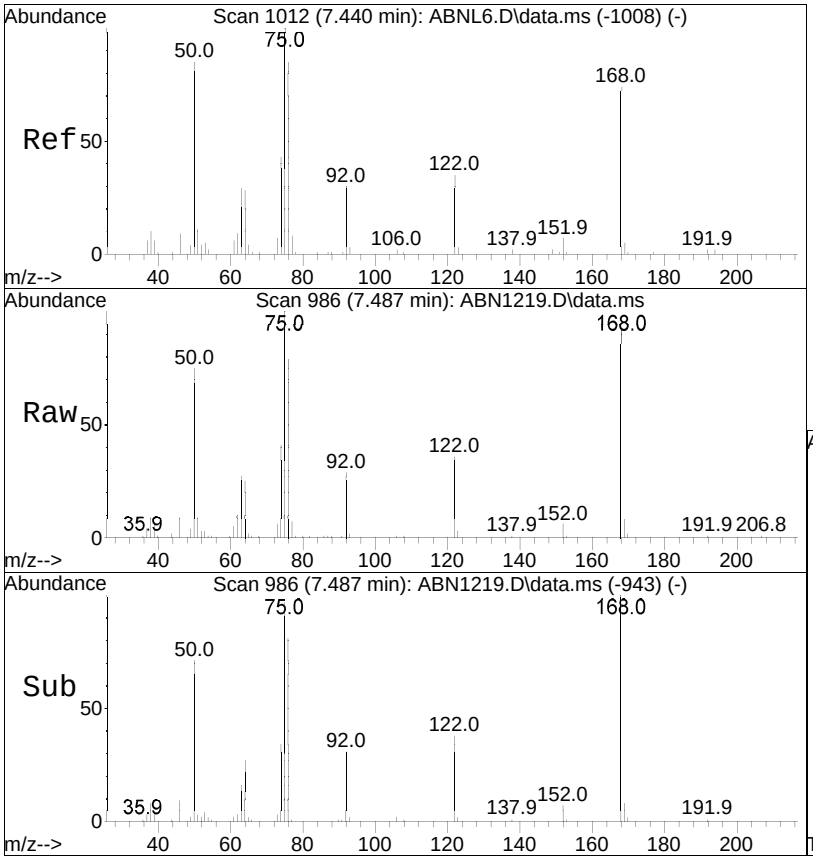


#48
2-Nitroaniline
Concen: 5.25 ug/ml
RT: 7.351 min Scan# 963
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:138 Resp: 31590

Ion	Ratio	Lower	Upper
138	100		
92	62.8	52.1	78.1
65	90.3	75.9	113.9

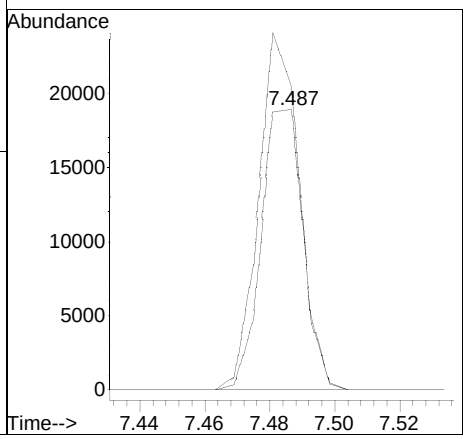


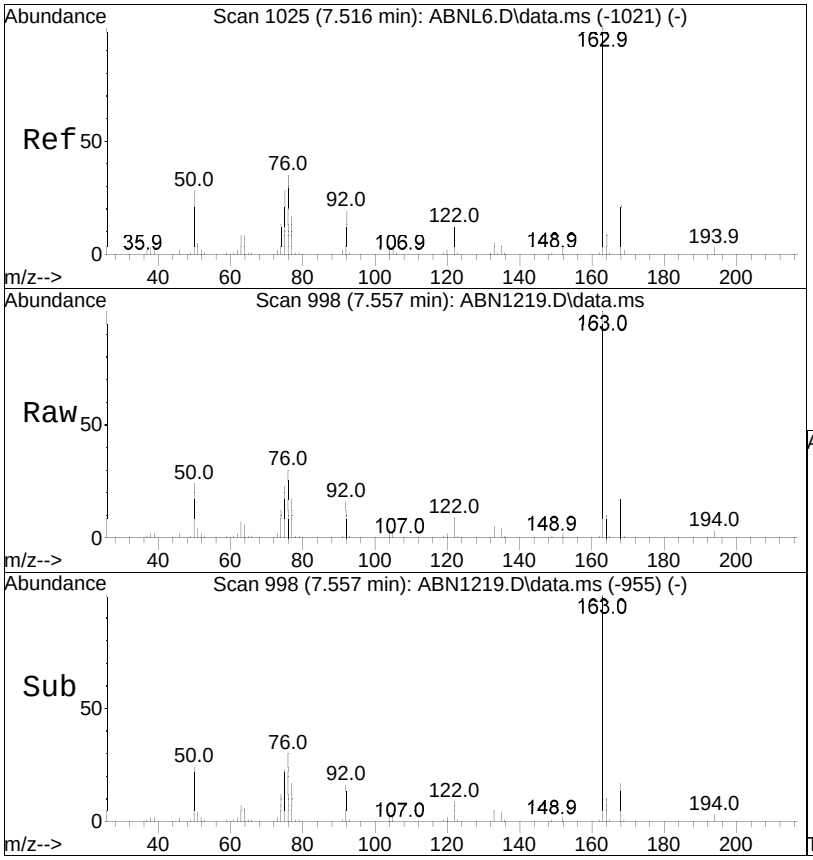


#49
1,4-Dinitrobenzene
Concen: 5.11 ug/ml
RT: 7.487 min Scan# 986
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:168 Resp: 16963

Ion	Ratio	Lower	Upper
168	100		
75	122.5	111.0	166.4

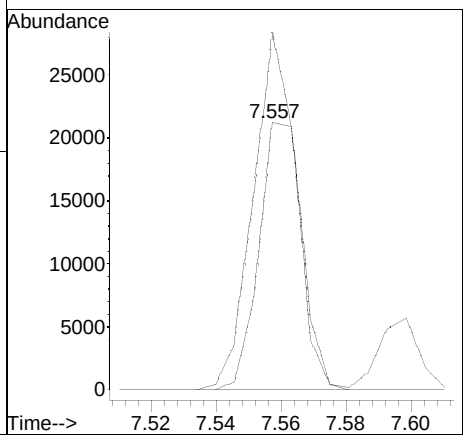


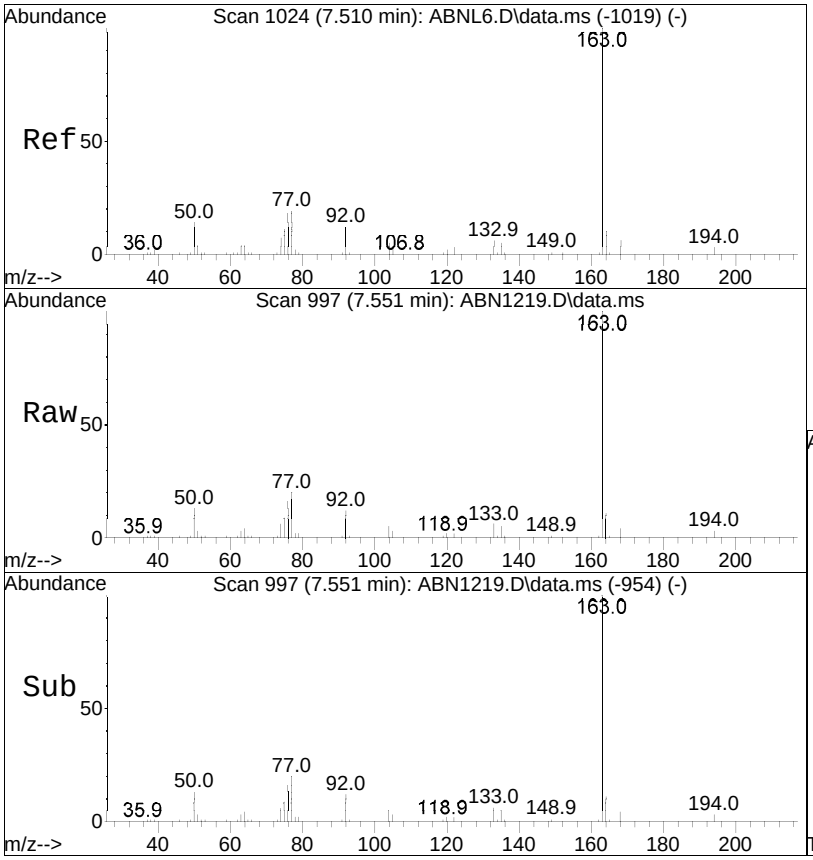


#50
1,3-Dinitrobenzene
Concen: 5.22 ug/ml
RT: 7.557 min Scan# 998
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:168 Resp: 19608

Ion	Ratio	Lower	Upper
168	100		
75	131.0	116.4	174.6

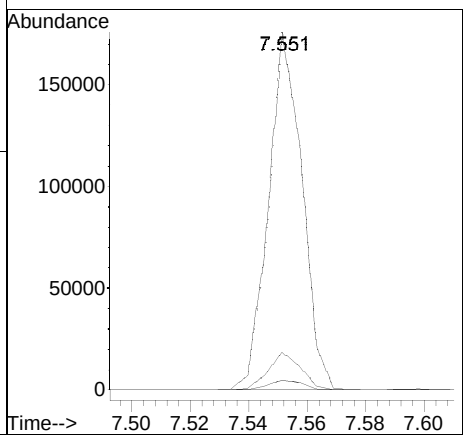


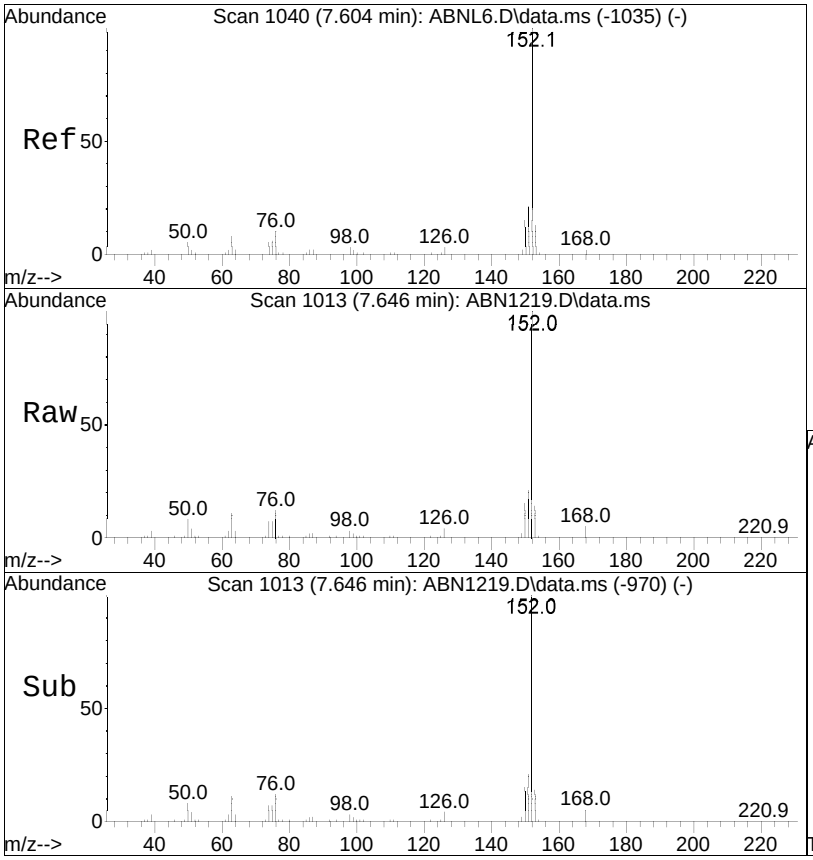


#51
Dimethyl phthalate
Concen: 5.05 ug/ml
RT: 7.551 min Scan# 997
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:163 Resp: 138220

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	10.4	8.2	12.2

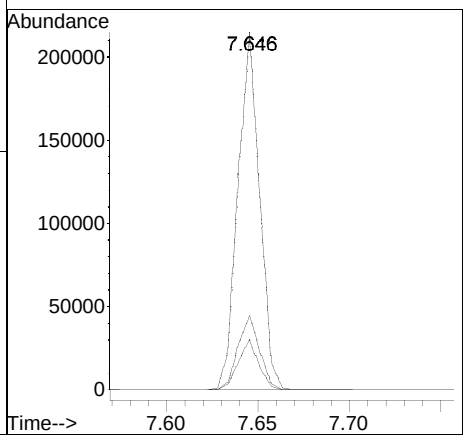


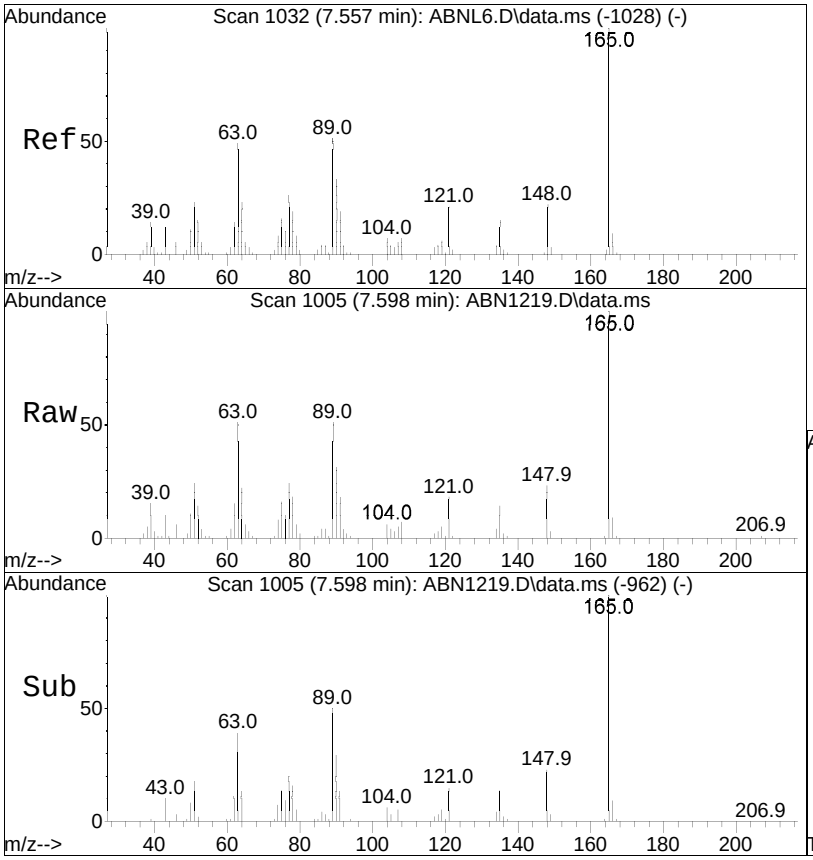


#52
Acenaphthylene
Concen: 5.37 ug/ml
RT: 7.646 min Scan# 1013
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:152 Resp: 174817

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.9	23.9
153	13.5	10.5	15.7

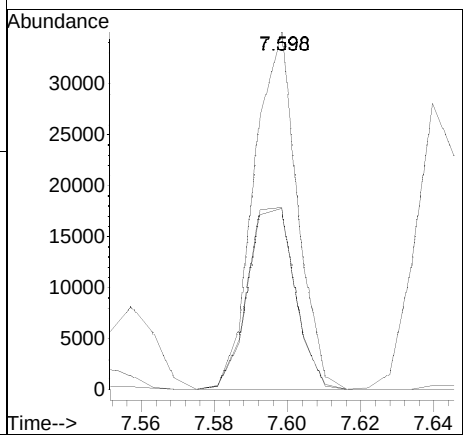


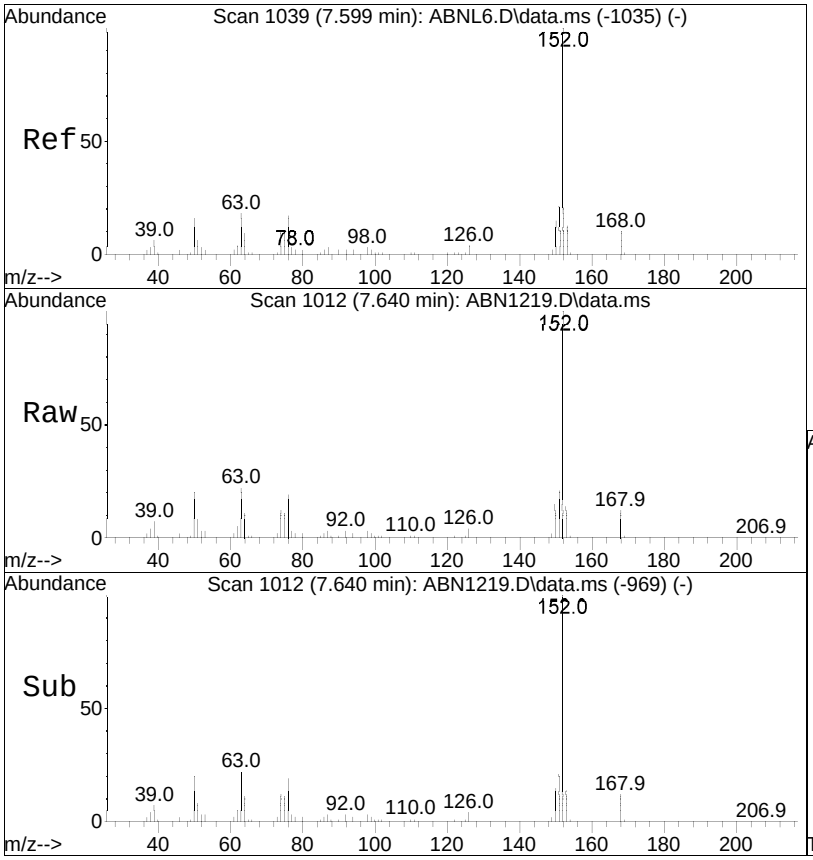


#53
2,6-Dinitrotoluene
Concen: 5.54 ug/ml
RT: 7.598 min Scan# 1005
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:165 Resp: 28921

Ion	Ratio	Lower	Upper
165	100		
89	55.3	48.8	73.2
63	56.4	50.5	75.7

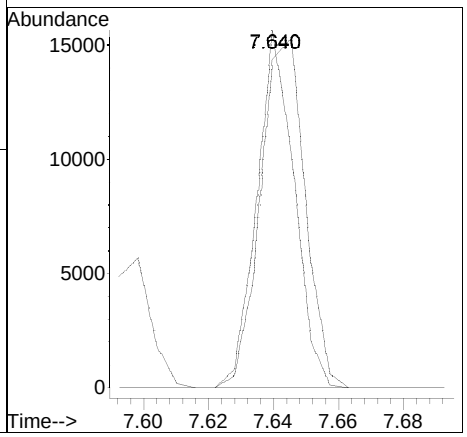


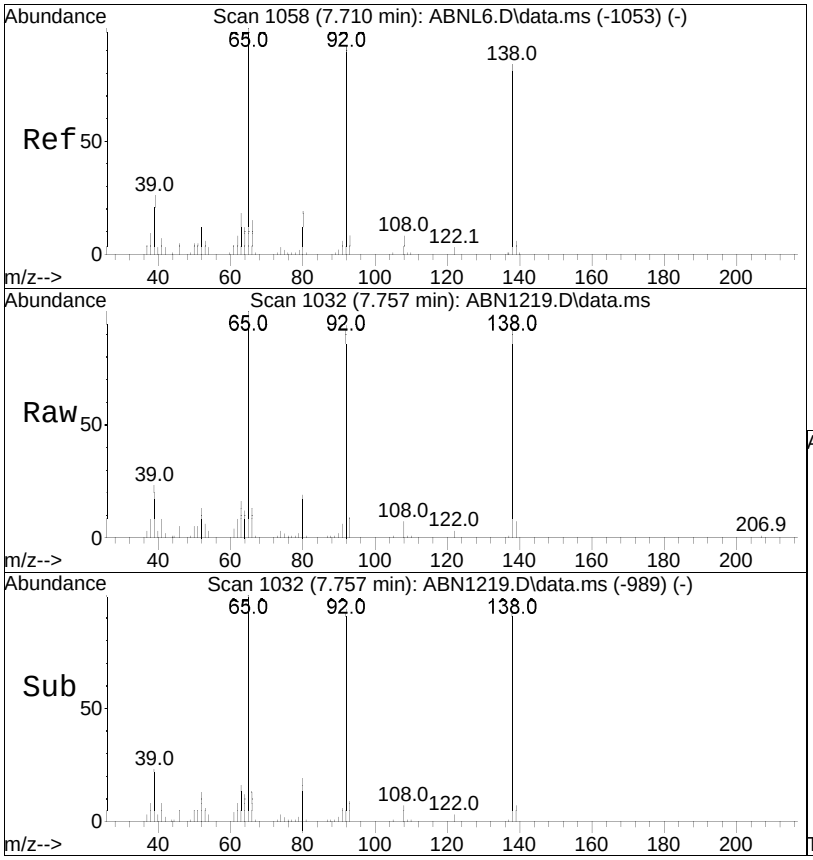


#54
1,2-Dinitrobenzene
Concen: 5.33 ug/ml
RT: 7.640 min Scan# 1012
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:168 Resp: 12398

Ion	Ratio	Lower	Upper
168	100		
75	116.8	32.2	48.2#

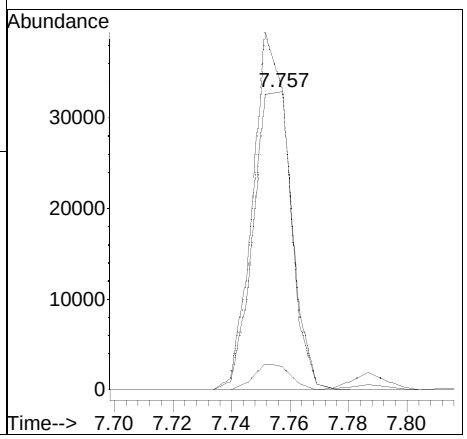


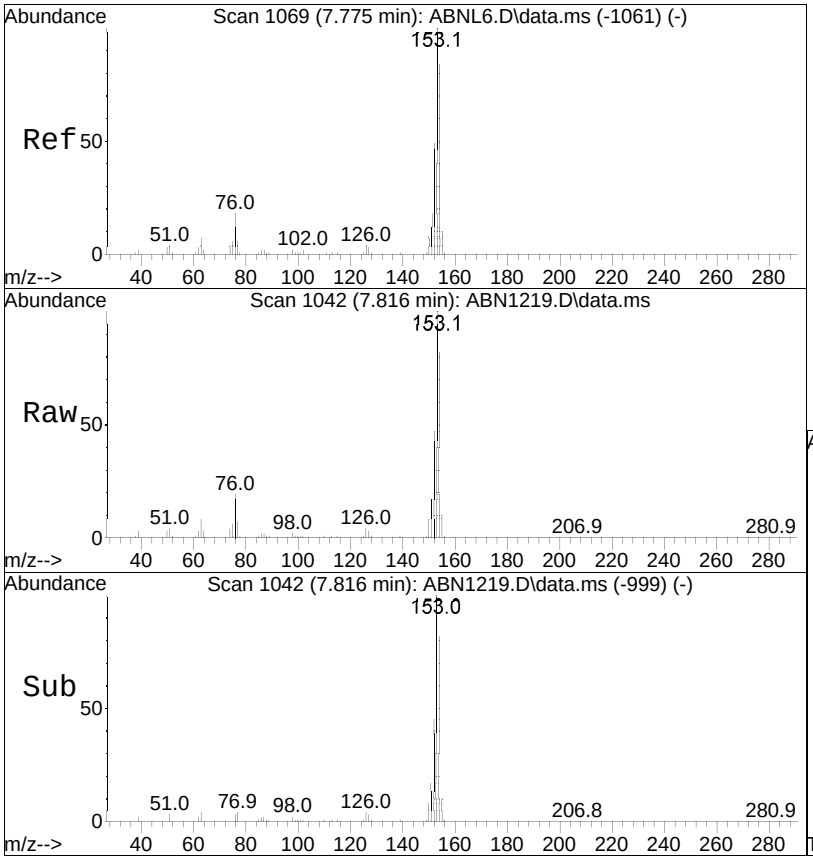


#64
3-Nitroaniline
Concen: 5.15 ug/ml
RT: 7.757 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:138 Resp: 30273

Ion	Ratio	Lower	Upper
138	100		
92	110.4	92.8	139.2
108	8.1	7.9	11.9

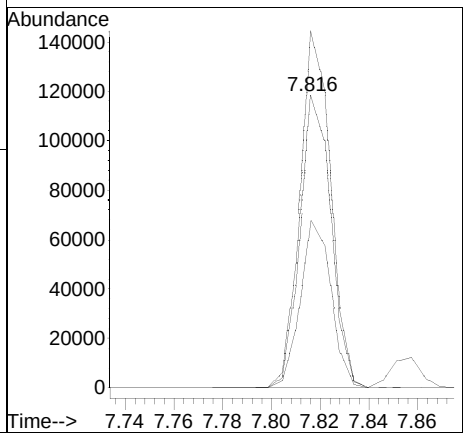


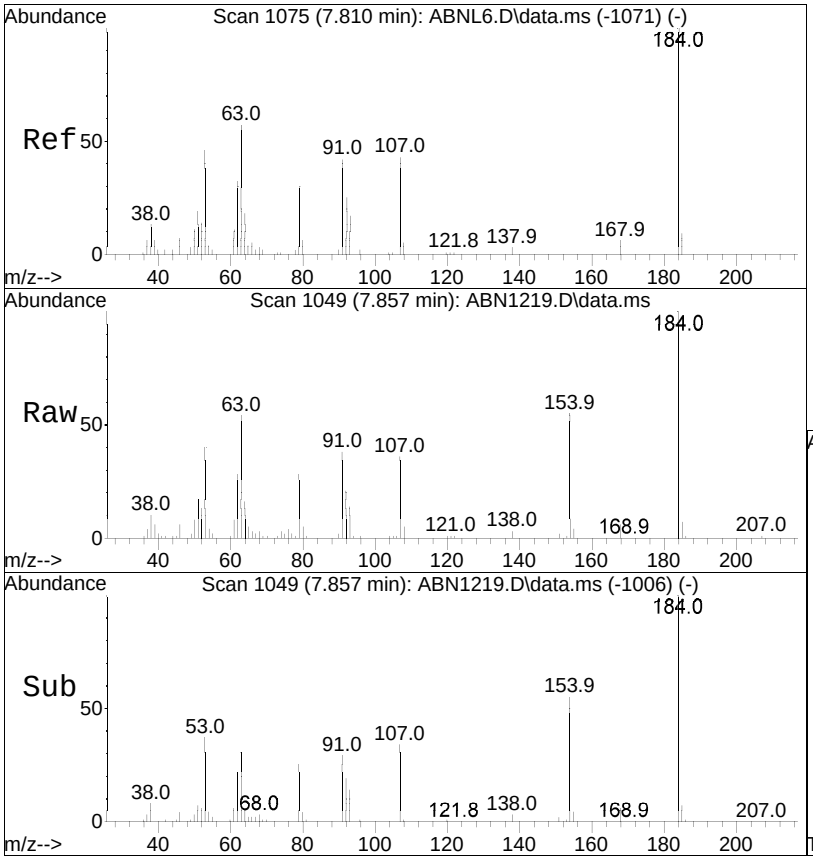


#65
Acenaphthene
Concen: 4.96 ug/ml
RT: 7.816 min Scan# 1042
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:154 Resp: 104524

Ion	Ratio	Lower	Upper
154	100		
153	120.7	93.0	139.4
152	57.0	43.3	64.9

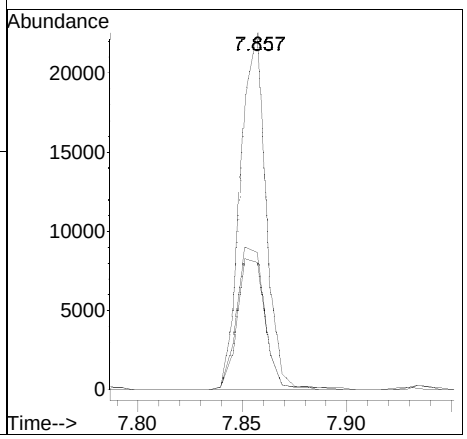


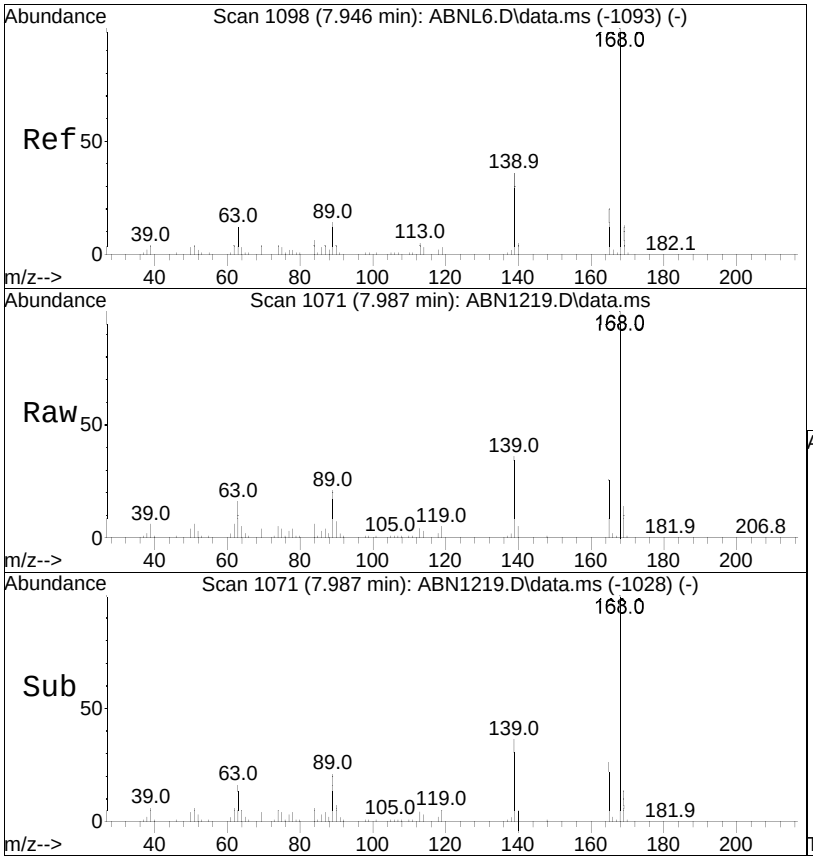


#66
2,4-Dinitrophenol
Concen: 4.93 ug/ml
RT: 7.857 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:184 Resp: 19214

Ion	Ratio	Lower	Upper
184	100		
107	40.2	41.8	62.6#
91	43.9	44.2	66.2#

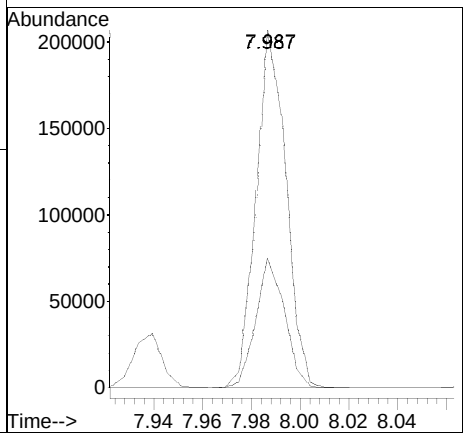


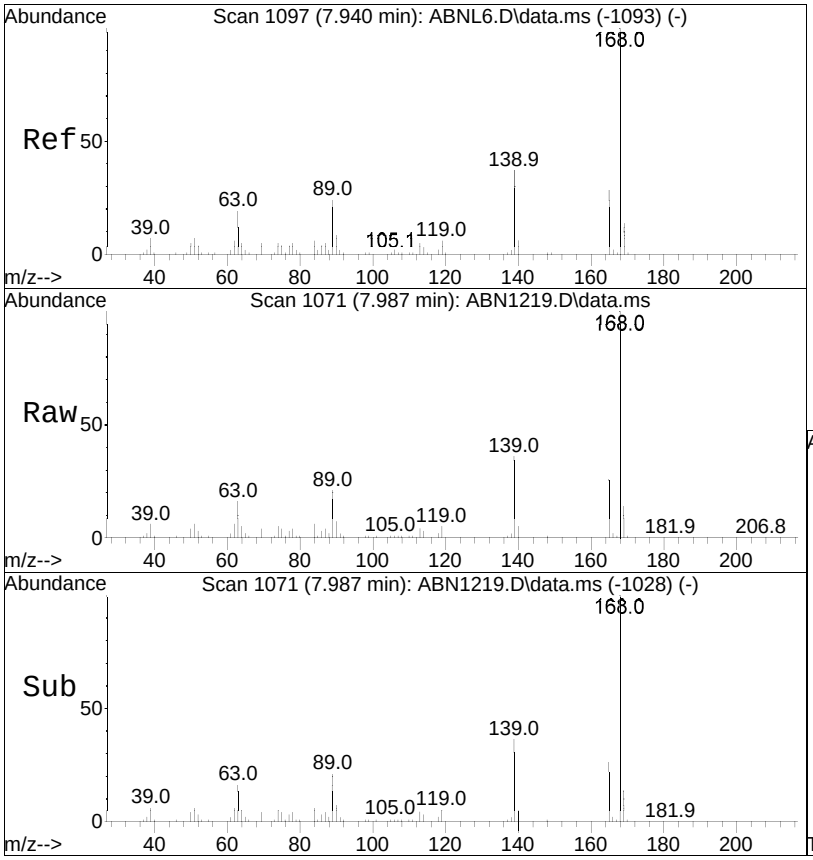


#67
Dibenzofuran
Concen: 4.88 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:168 Resp: 174172

Ion	Ratio	Lower	Upper
168	100		
139	35.2	32.3	48.5

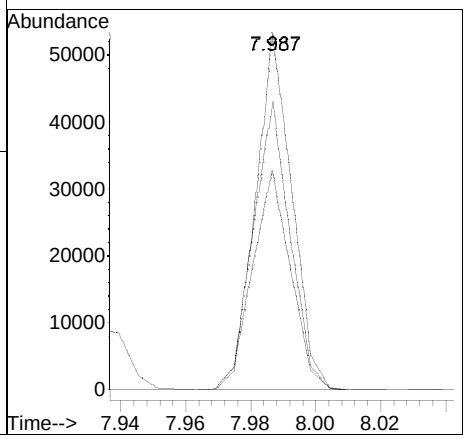


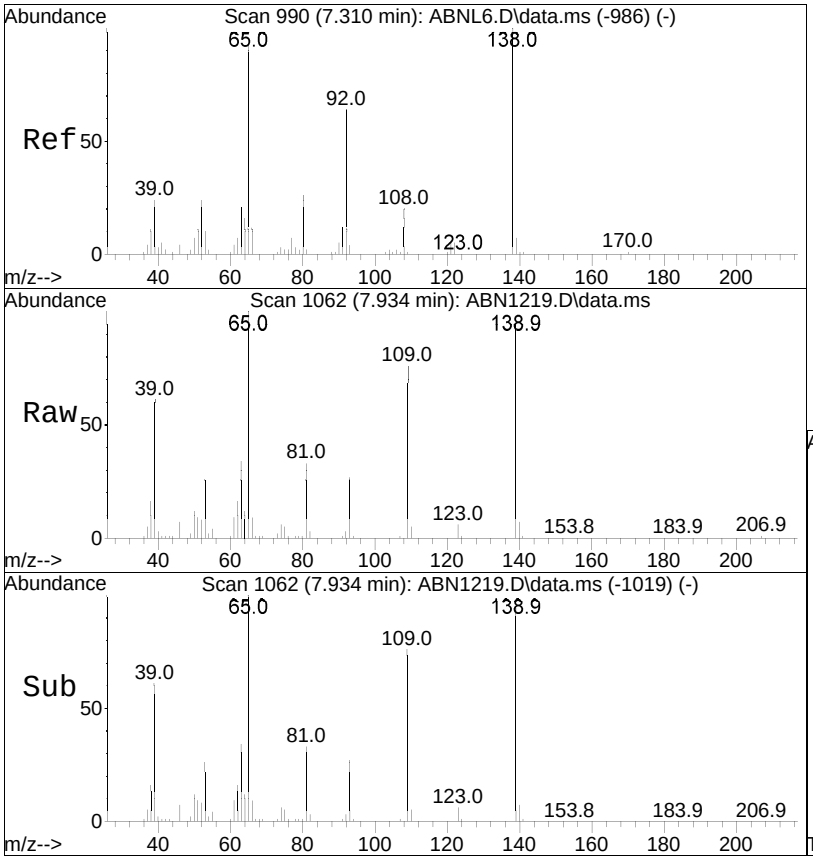


#68
2,4-Dinitrotoluene
Concen: 5.56 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:165 Resp: 40923

Ion	Ratio	Lower	Upper
165	100		
89	82.2	73.0	109.4
63	65.1	56.3	84.5

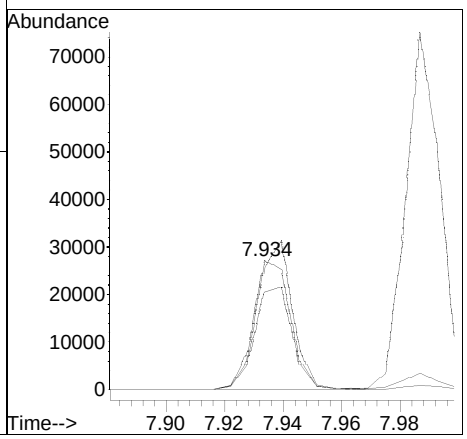


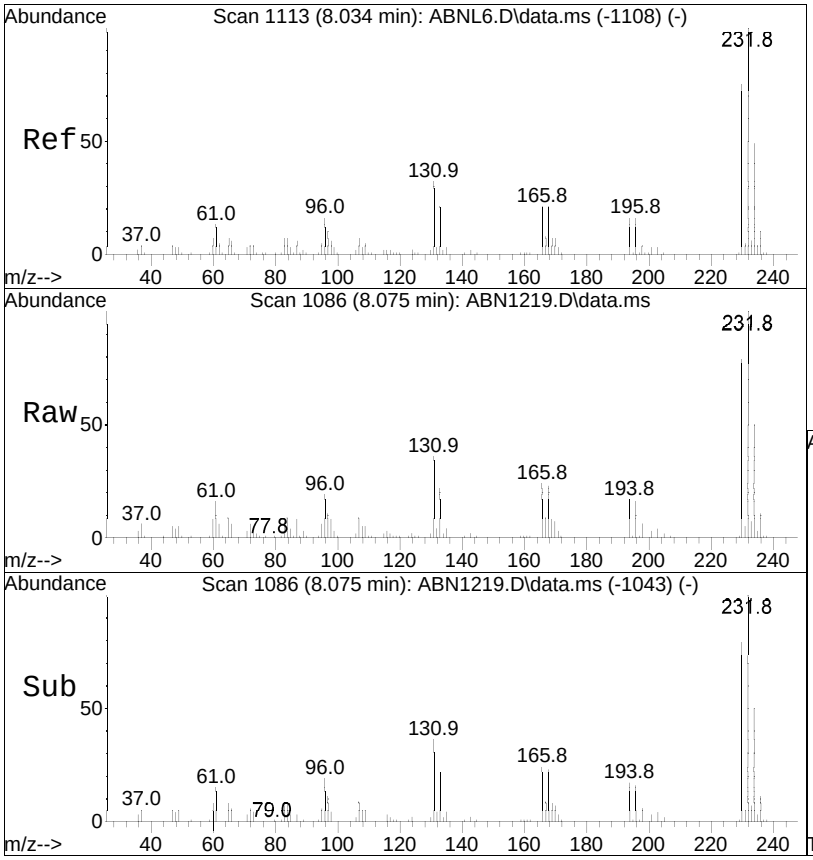


#69
4-Nitrophenol
Concen: 5.25 ug/ml
RT: 7.934 min Scan# 1062
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 65 Resp: 24176

Ion	Ratio	Lower	Upper
65	100		
109	79.6	60.2	90.2
139	107.7	81.1	121.7

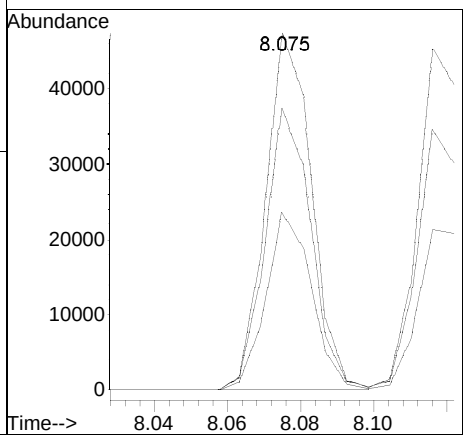


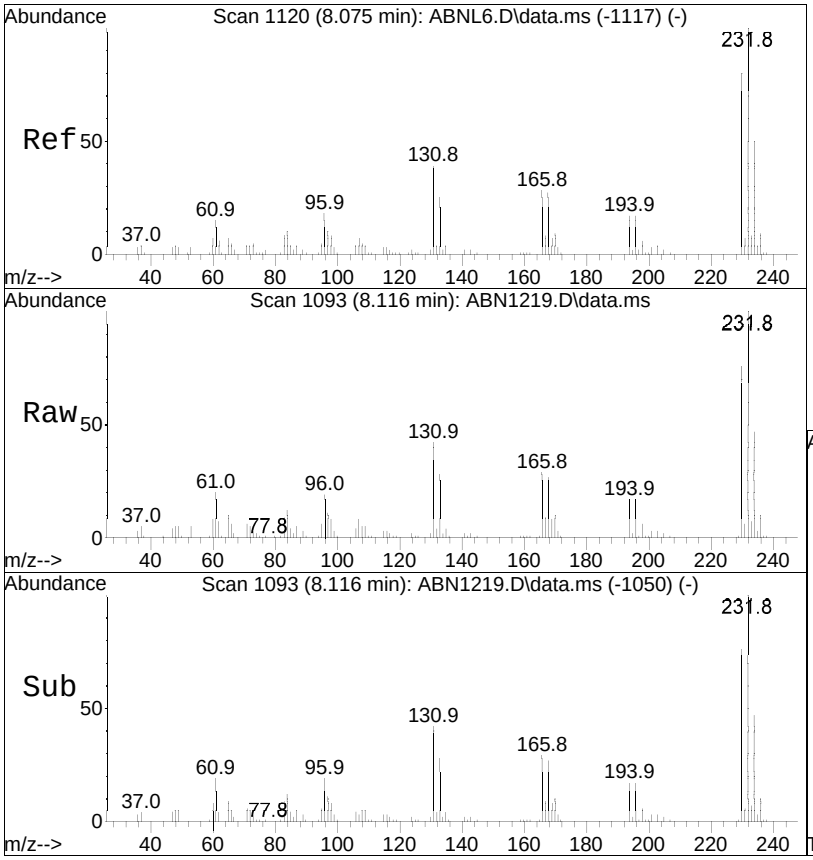


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.34 ug/ml
RT: 8.075 min Scan# 1086
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:232 Resp: 41363

Ion	Ratio	Lower	Upper
232	100		
230	78.8	63.8	95.8
234	49.5	38.3	57.5

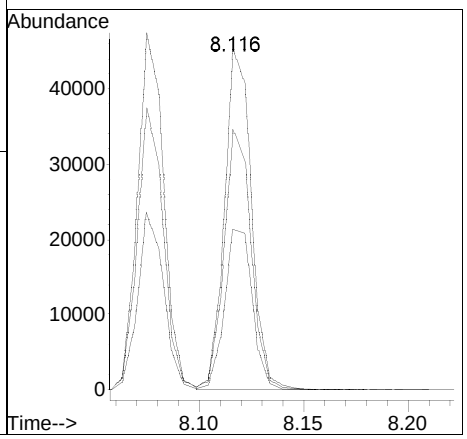


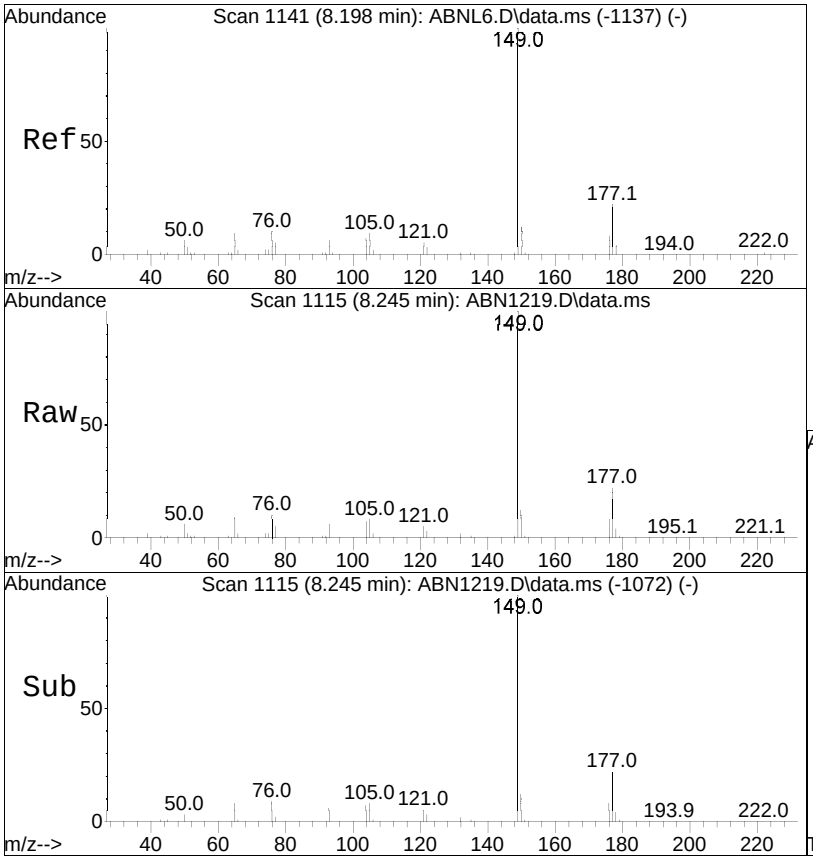


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.40 ug/ml
RT: 8.116 min Scan# 1093
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:232 Resp: 40814

Ion	Ratio	Lower	Upper
232	100		
230	76.5	63.8	95.8
234	48.8	39.0	58.6

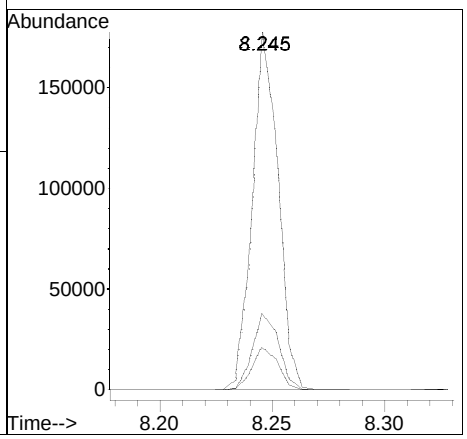


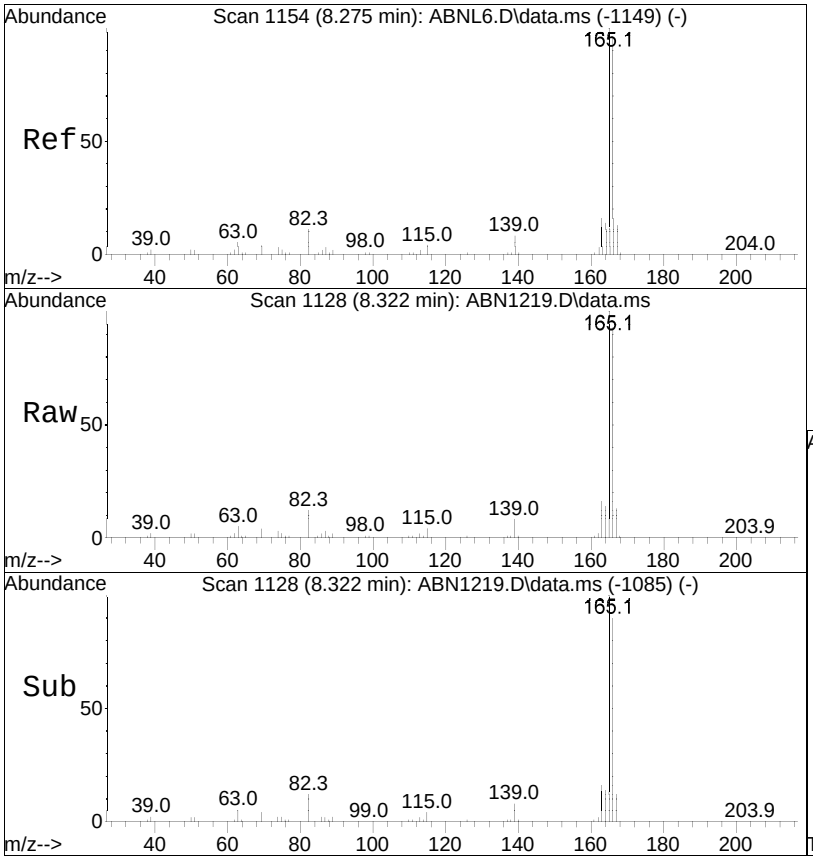


#72
Diethyl phthalate
Concen: 5.05 ug/ml
RT: 8.245 min Scan# 1115
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:149 Resp: 139650

Ion	Ratio	Lower	Upper
149	100		
177	21.9	15.0	22.6
150	12.1	9.8	14.6

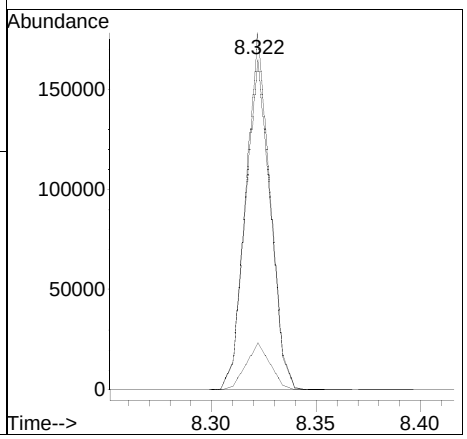


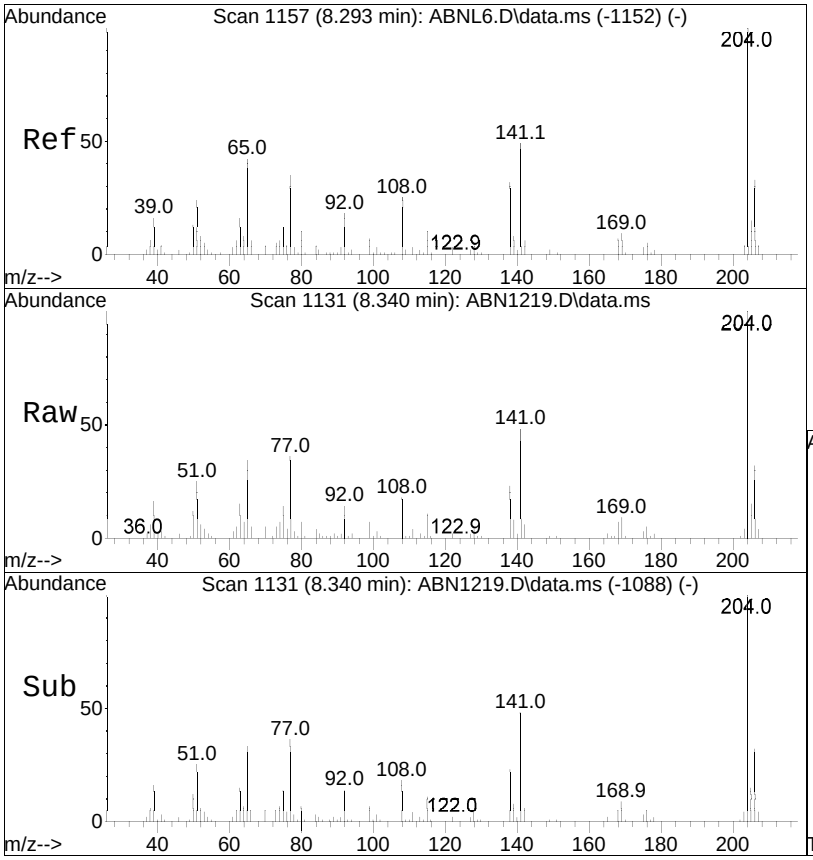


#73
Fluorene
Concen: 5.00 ug/ml
RT: 8.322 min Scan# 1128
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:166 Resp: 135782

Ion	Ratio	Lower	Upper
166	100		
165	106.2	80.0	120.0
167	14.2	10.7	16.1

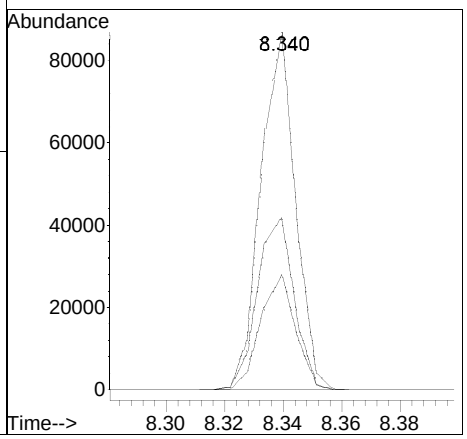


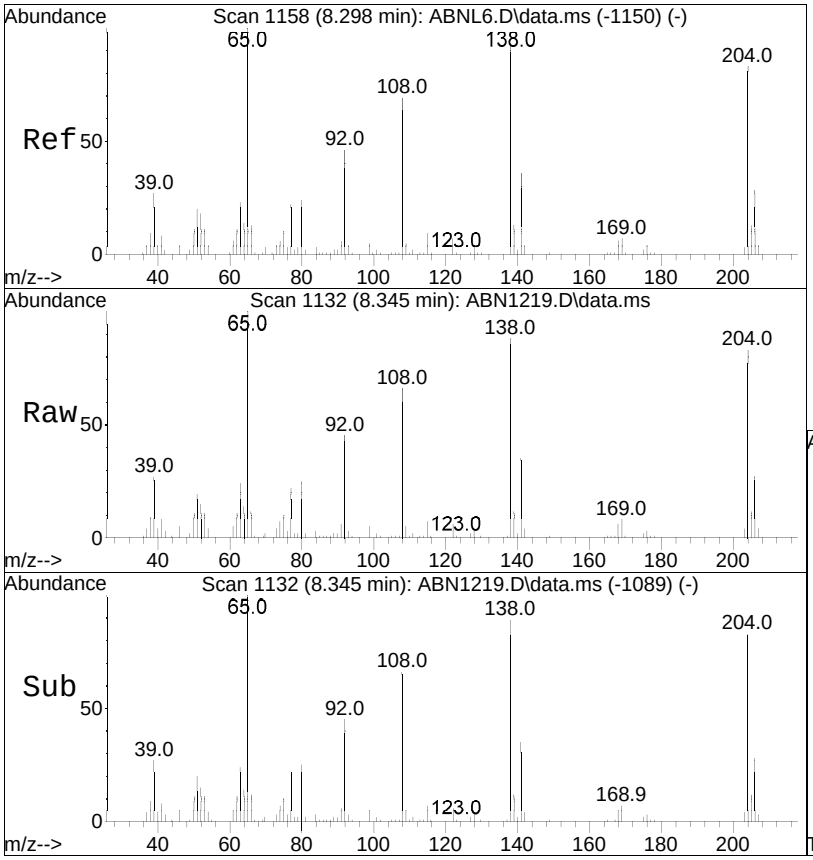


#74
4-Chlorophenyl phenyl ether
Concen: 4.76 ug/ml
RT: 8.340 min Scan# 1131
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:204 Resp: 70857

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.3	39.5
141	51.5	58.4	87.6#

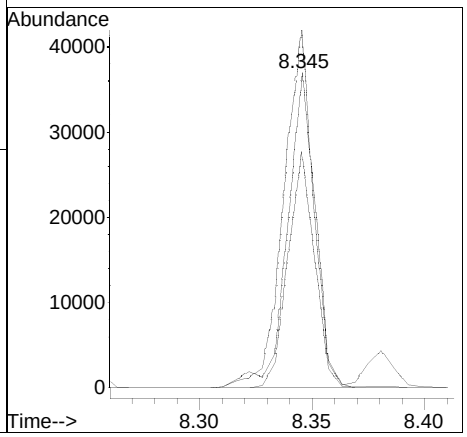


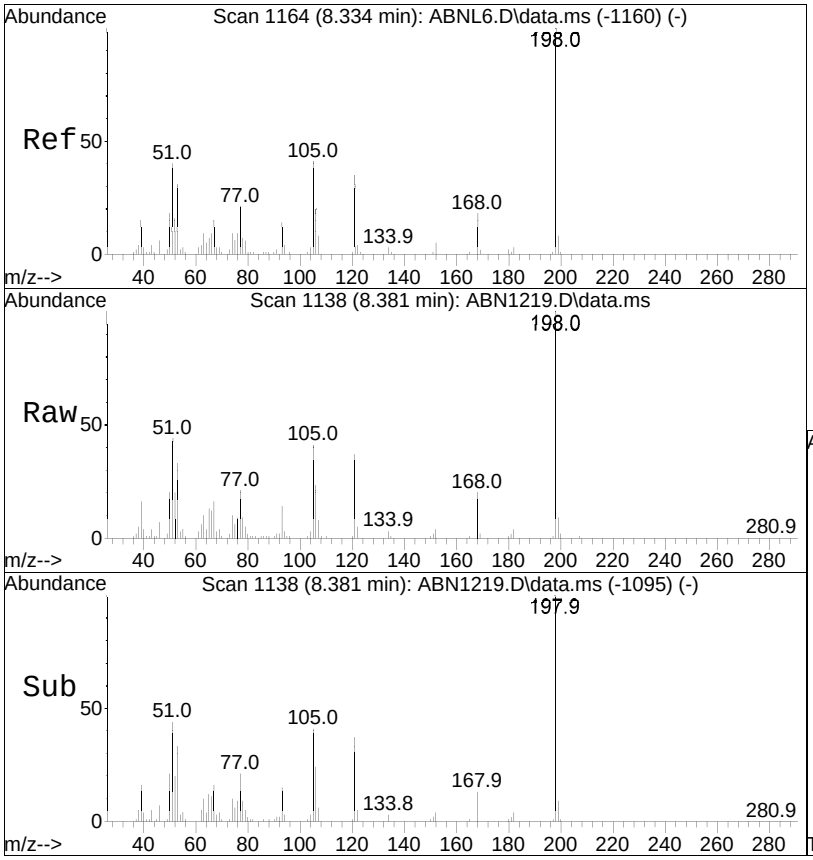


#75
4-Nitroaniline
Concen: 5.45 ug/ml
RT: 8.345 min Scan# 1132
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:138 Resp: 31856

Ion	Ratio	Lower	Upper
138	100		
108	71.0	59.2	88.8
65	119.9	97.6	146.4

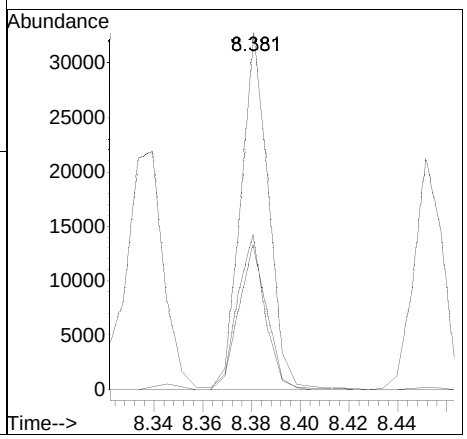


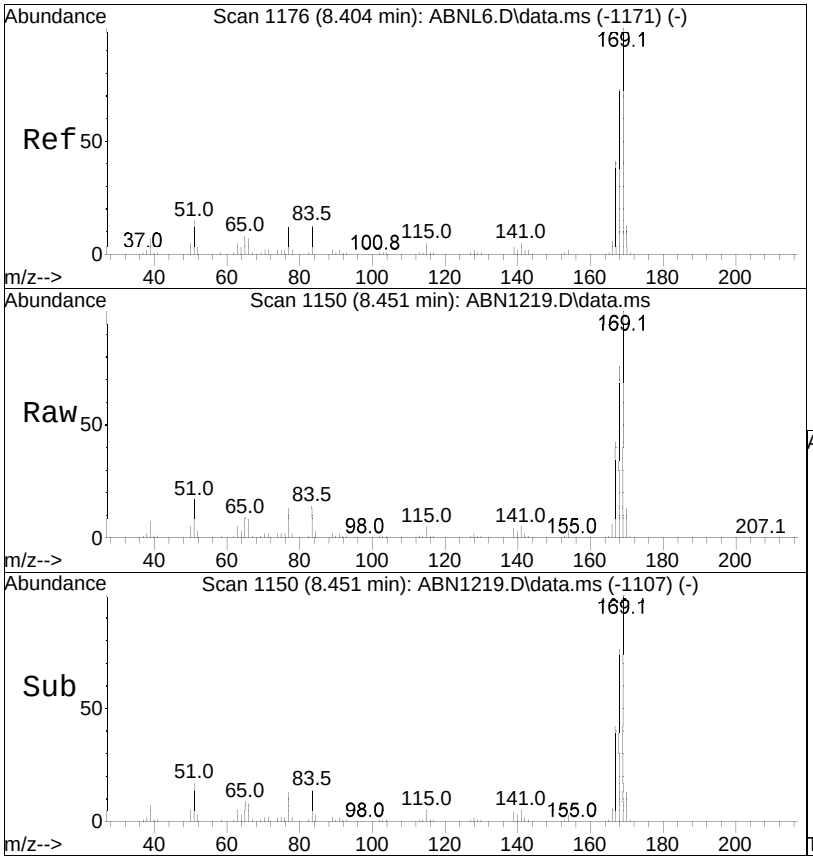


#76
4,6-Dinitro-o-cresol
Concen: 4.92 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:198 Resp: 25873

Ion	Ratio	Lower	Upper
198	100		
51	43.5	49.9	74.9#
105	41.3	45.8	68.6#

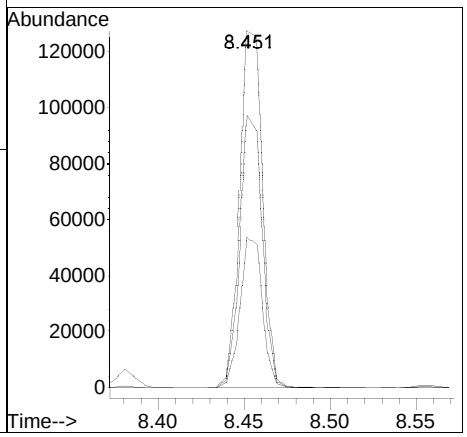


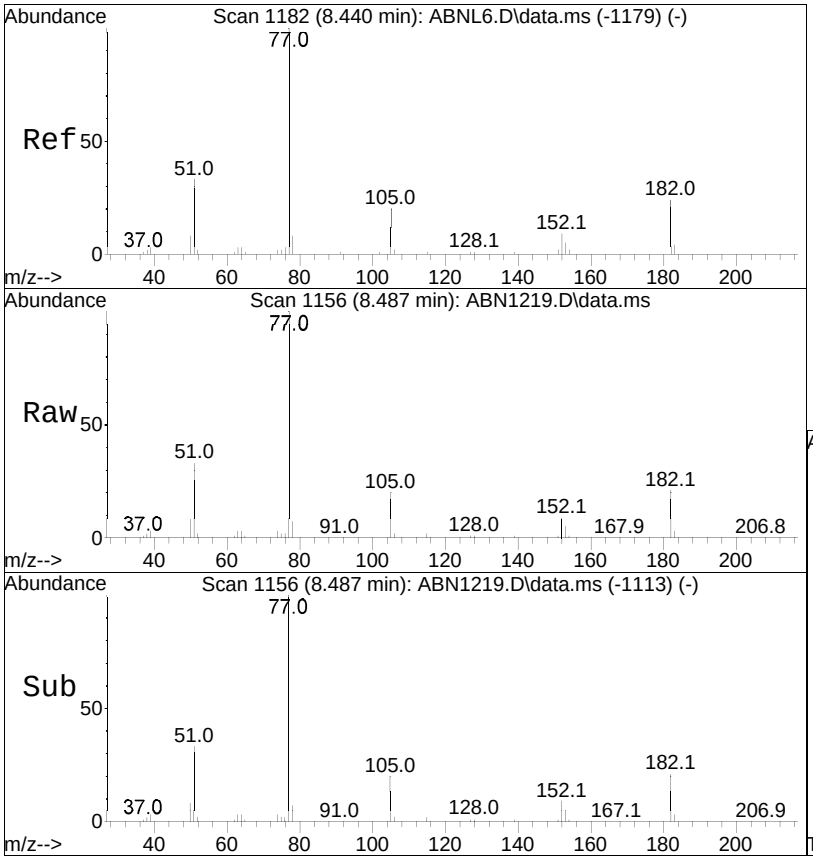


#77
NDPA/DPA
Concen: 5.20 ug/ml
RT: 8.451 min Scan# 1150
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:169 Resp: 117682

Ion	Ratio	Lower	Upper
169	100		
168	74.6	55.2	82.8
167	41.4	30.4	45.6

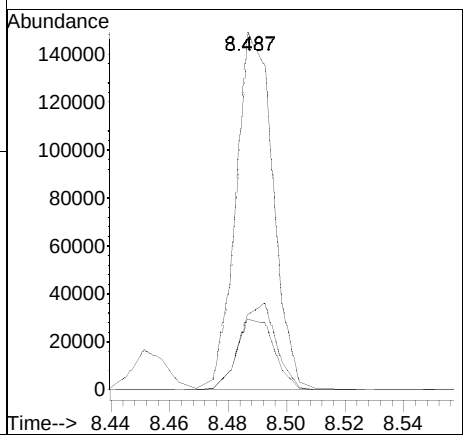


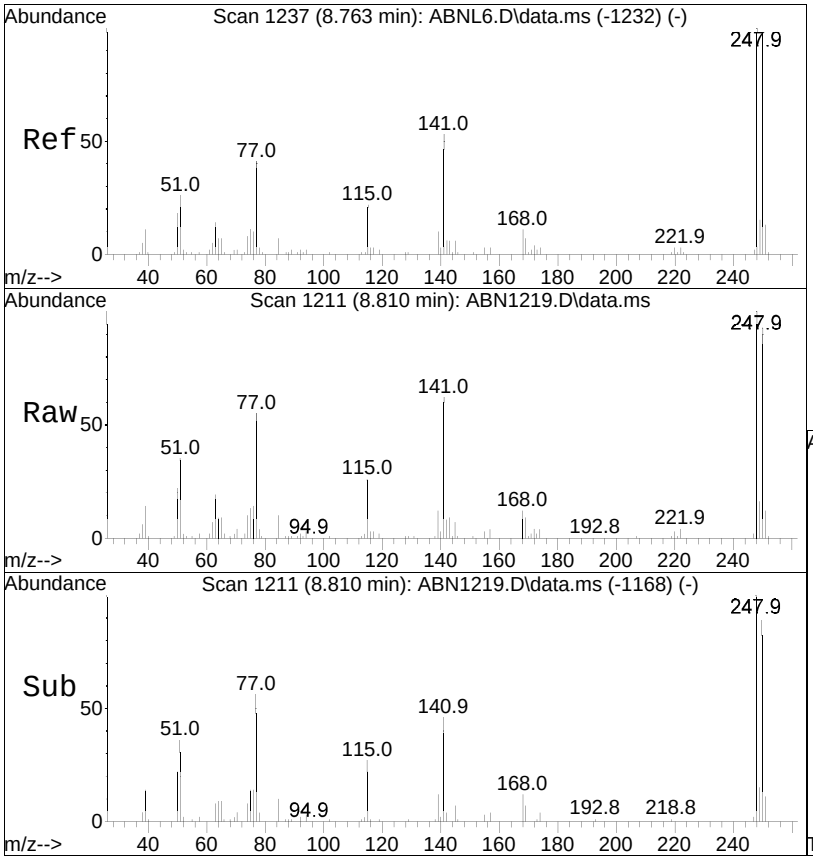


#78
Azobenzene
Concen: 5.31 ug/ml
RT: 8.487 min Scan# 1156
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion: 77 Resp: 131076

Ion	Ratio	Lower	Upper
77	100		
182	23.7	16.2	24.2
105	20.4	17.9	26.9

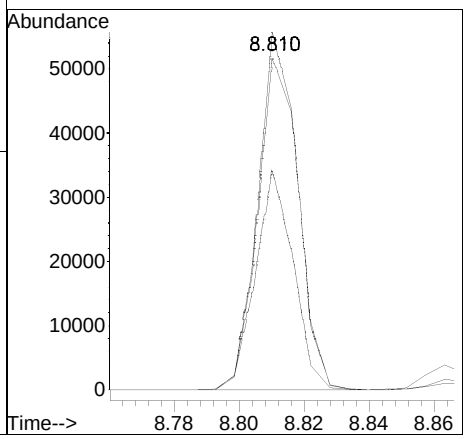


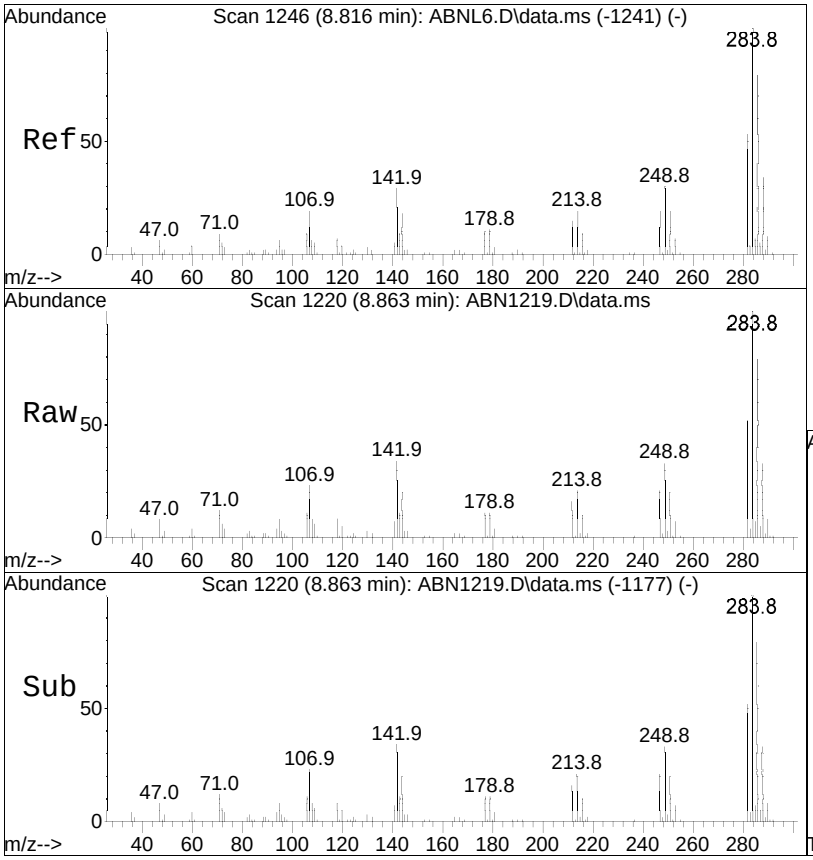


#80
4-Bromophenyl phenyl ether
Concen: 4.92 ug/ml
RT: 8.810 min Scan# 1211
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:248 Resp: 46722

Ion	Ratio	Lower	Upper
248	100		
141	59.0	74.6	111.8#
250	96.1	76.9	115.3

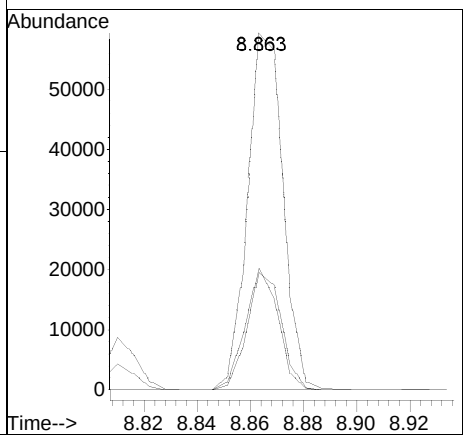


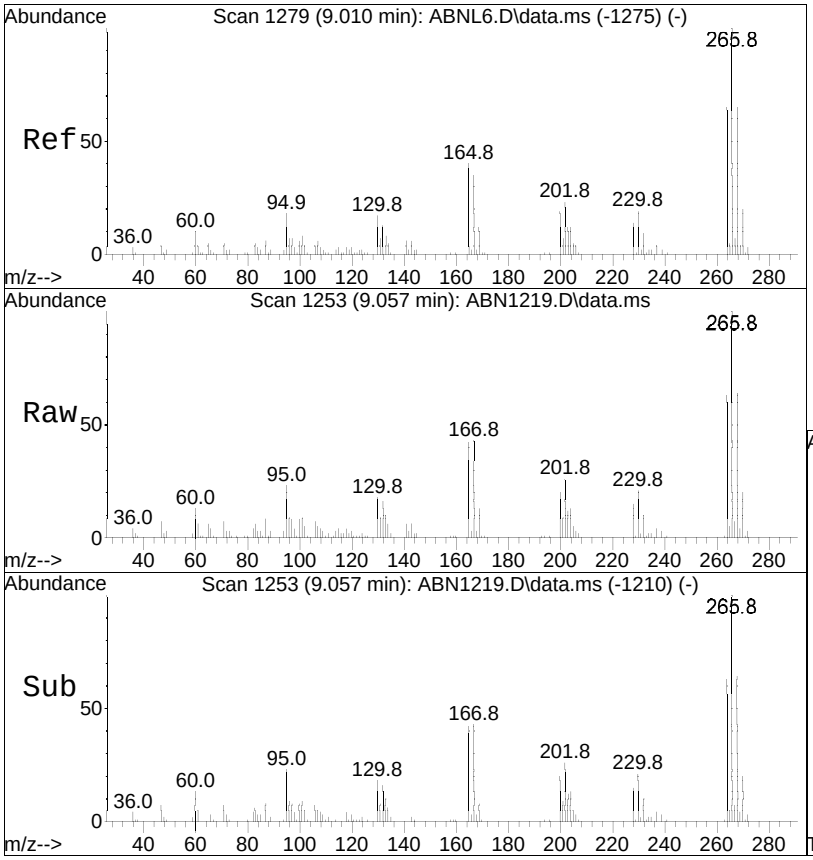


#81
Hexachlorobenzene
Concen: 4.73 ug/ml
RT: 8.863 min Scan# 1220
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:284 Resp: 54782

Ion	Ratio	Lower	Upper
284	100		
142	31.5	37.6	56.4#
249	31.9	25.4	38.2

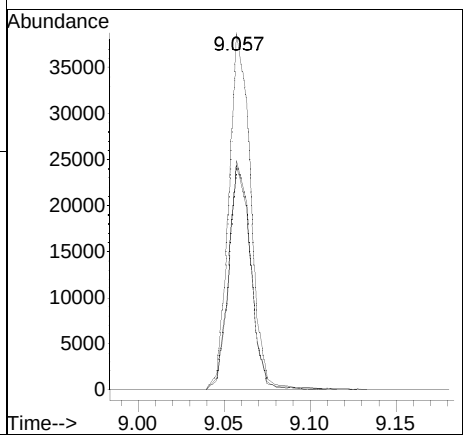


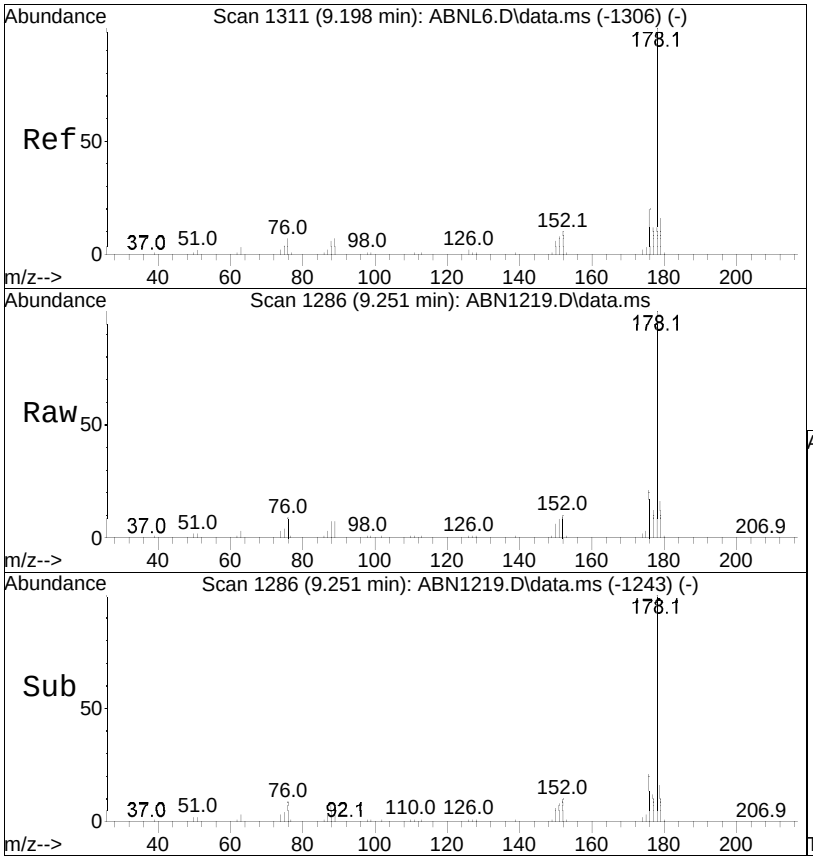


#82
Pentachlorophenol
Concen: 5.43 ug/ml
RT: 9.057 min Scan# 1253
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:266 Resp: 34192

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.7	76.1
268	64.8	52.5	78.7

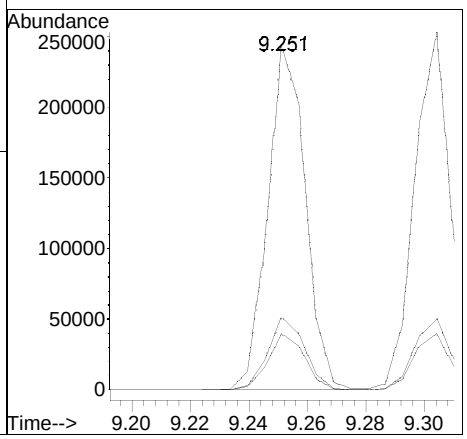


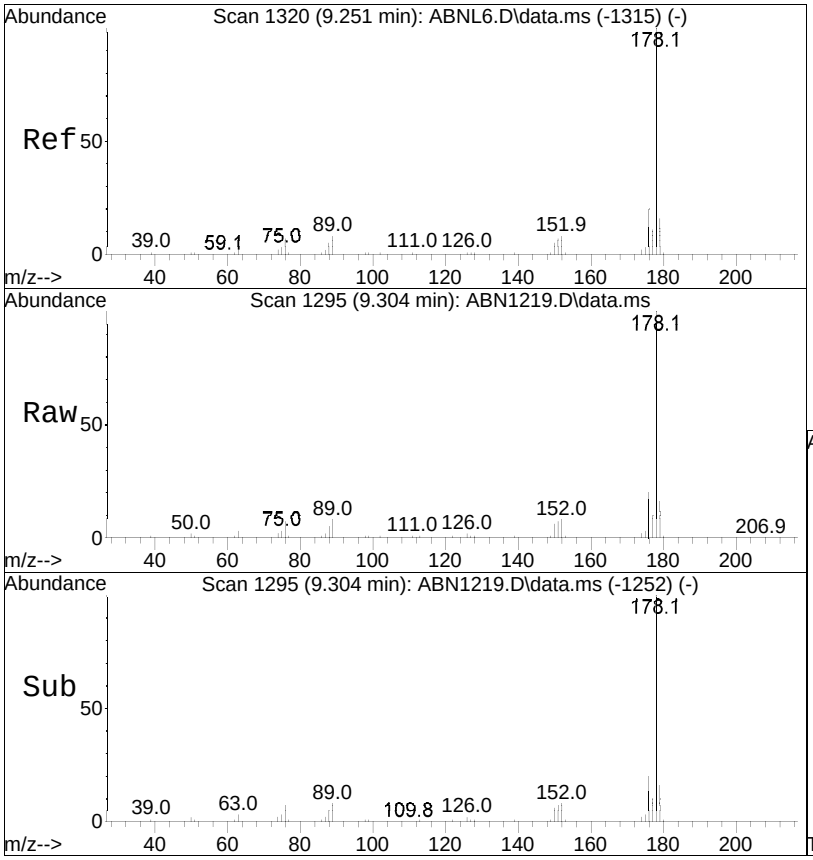


#89
Phenanthrene
Concen: 4.87 ug/ml
RT: 9.251 min Scan# 1286
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:178 Resp: 217011

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	20.7	15.4	23.2

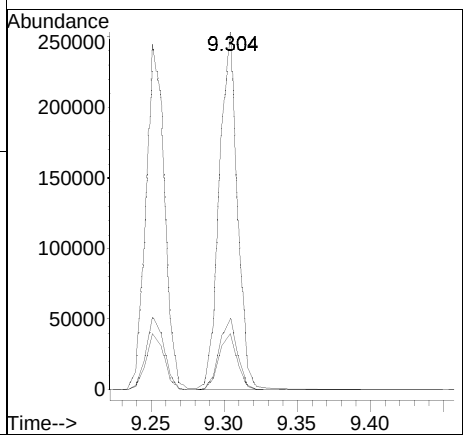


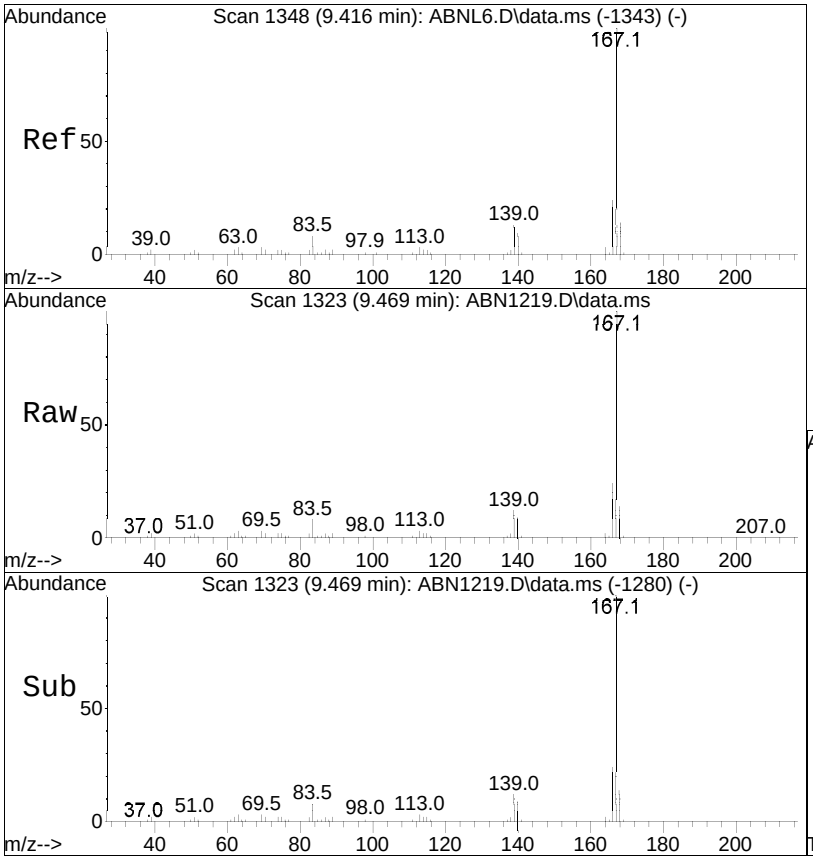


#90
Anthracene
Concen: 5.07 ug/ml
RT: 9.304 min Scan# 1295
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:178 Resp: 219053

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.2
176	20.0	15.1	22.7

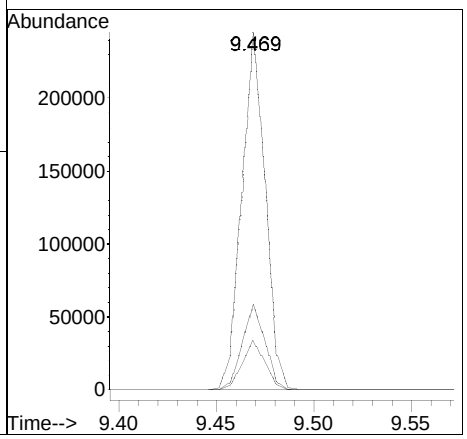


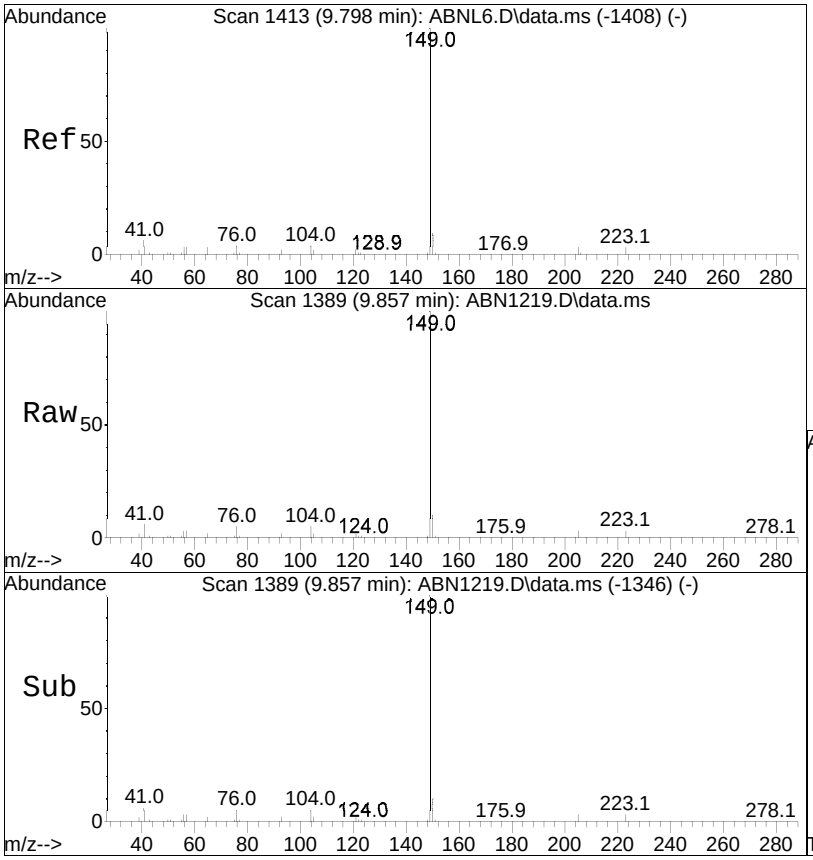


#91
Carbazole
Concen: 5.21 ug/ml
RT: 9.469 min Scan# 1323
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:167 Resp: 203188

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.8	16.2
166	23.5	17.7	26.5

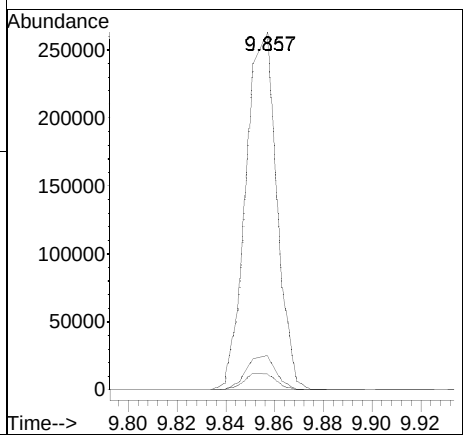


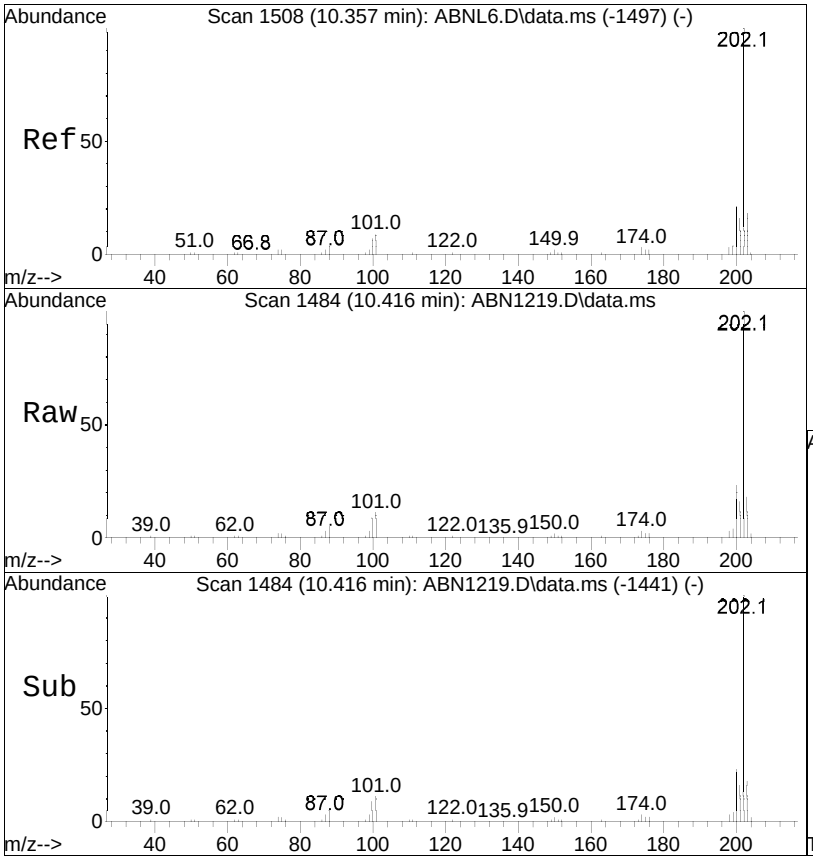


#92
Di-n-butylphthalate
Concen: 5.47 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:149 Resp: 230120

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	5.0	4.0	6.0

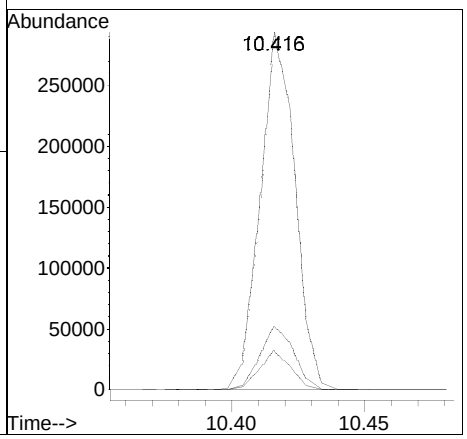


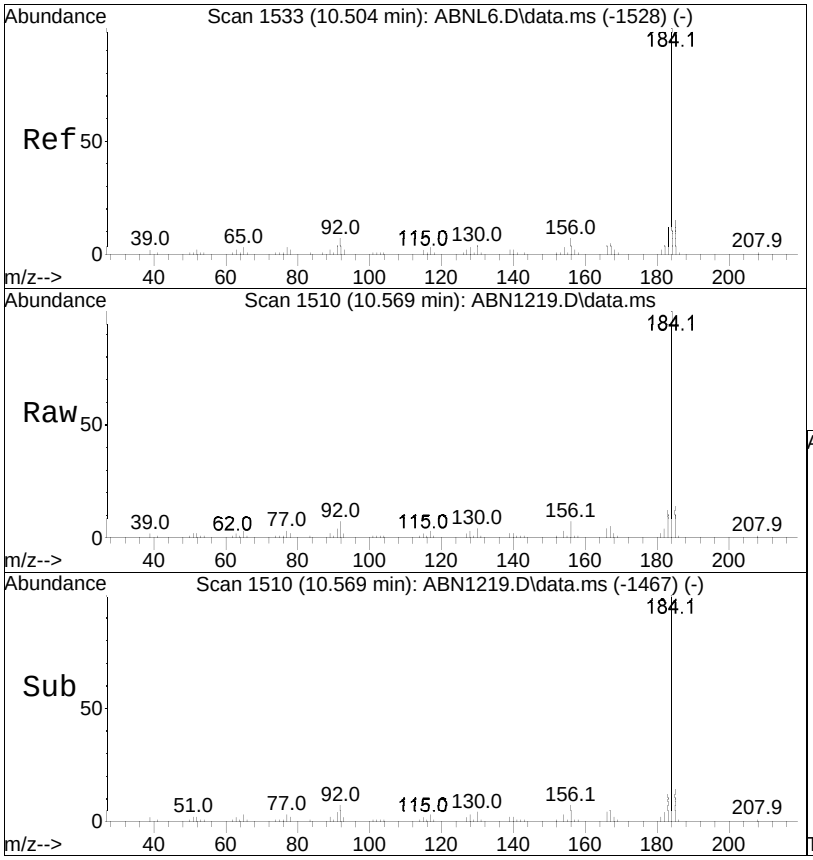


#93
Fluoranthene
Concen: 5.13 ug/ml M3
RT: 10.416 min Scan# 1484
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:202 Resp: 264481

Ion	Ratio	Lower	Upper
202	100		
101	12.8	11.2	16.8
203	18.9	13.7	20.5

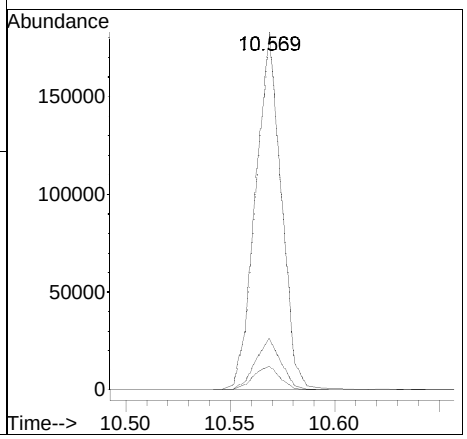


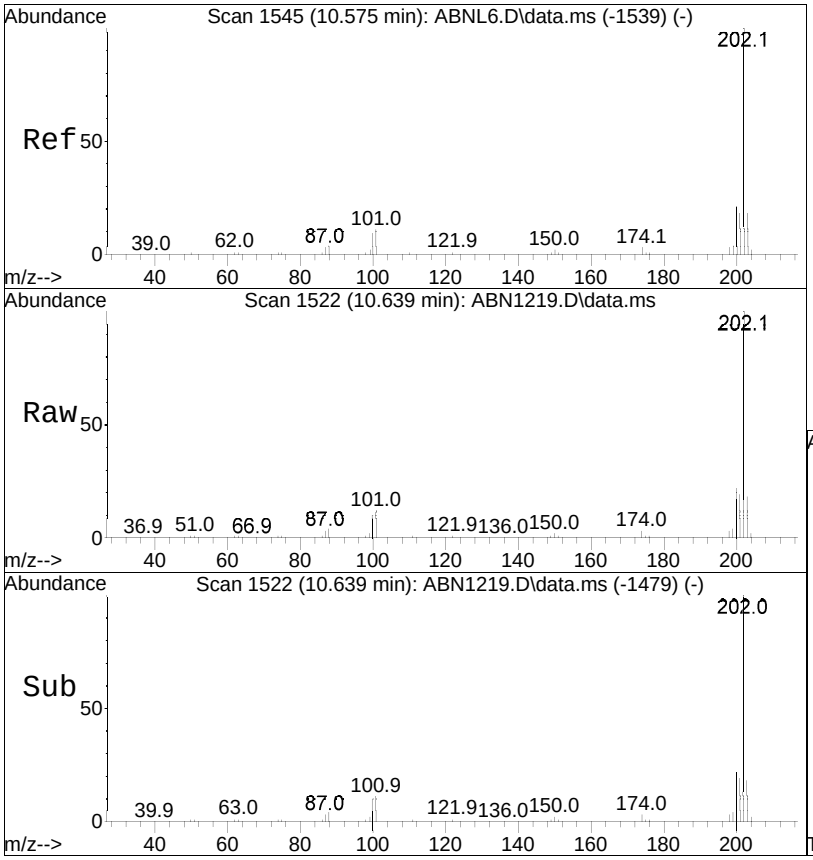


#94
Benzidine
Concen: 5.82 ug/ml
RT: 10.569 min Scan# 1510
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:184 Resp: 154287

Ion	Ratio	Lower	Upper
184	100		
92	6.9	7.3	10.9#
185	14.4	11.8	17.8

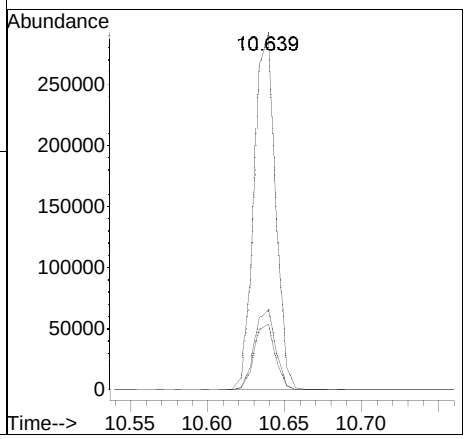


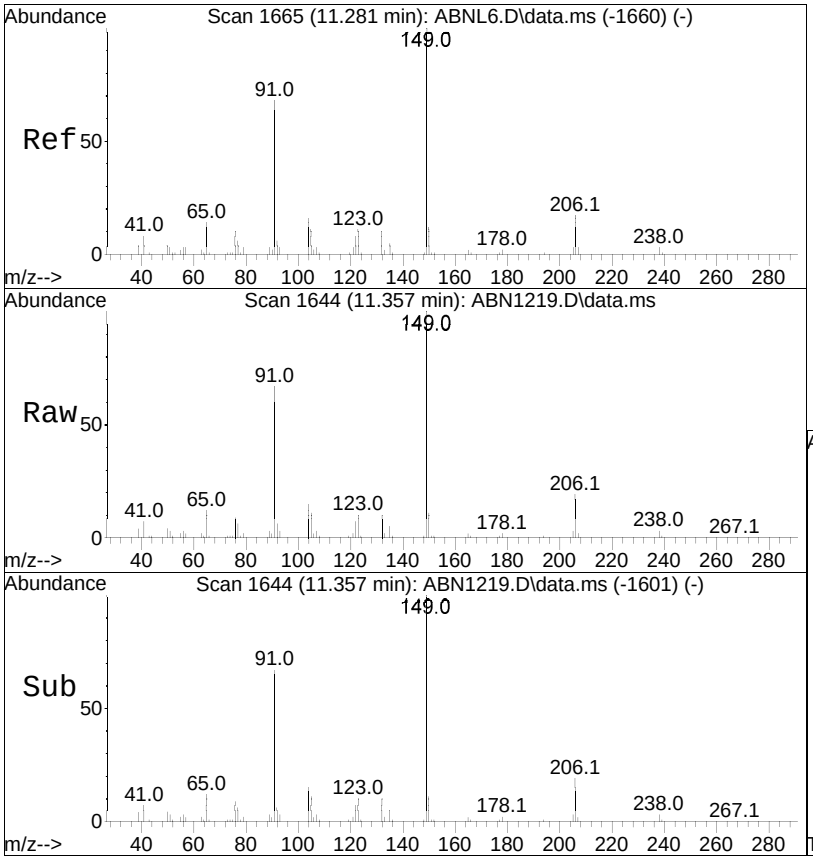


#95
Pyrene
Concen: 5.19 ug/ml
RT: 10.639 min Scan# 1522
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:202 Resp: 281152

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.9	25.3
203	18.3	14.3	21.5

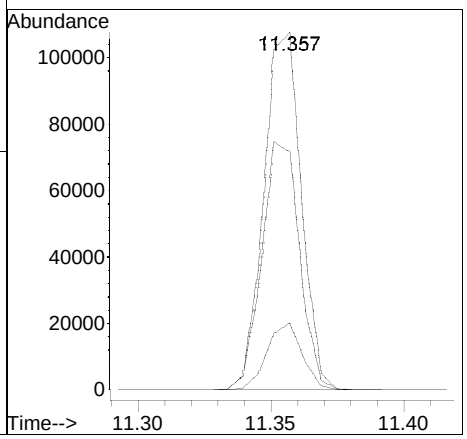


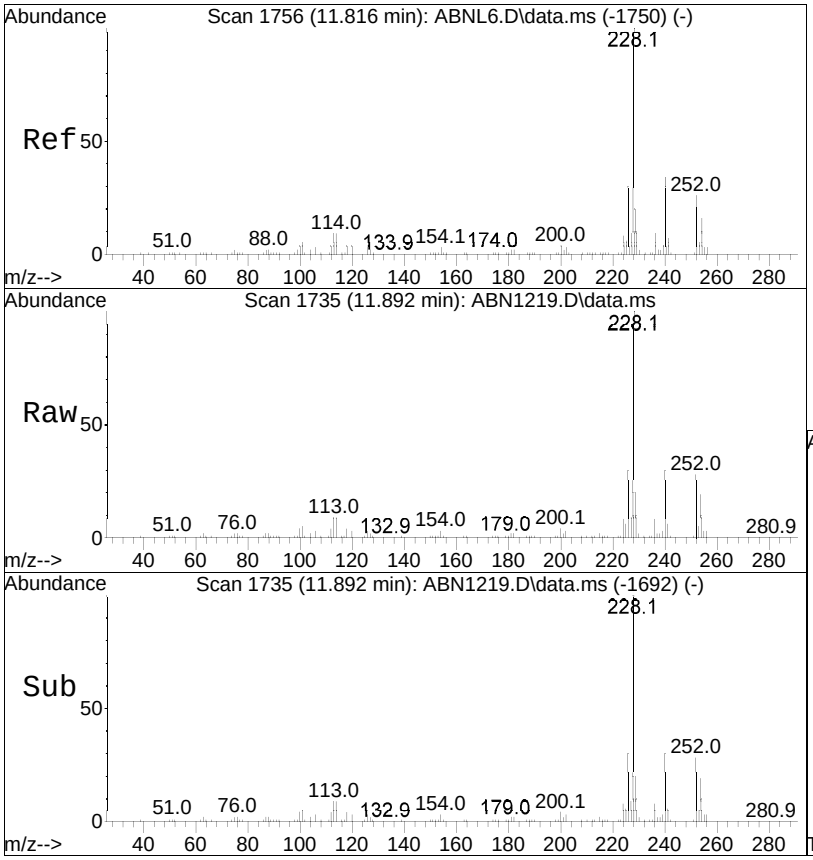


#97
Butyl benzyl phthalate
Concen: 5.57 ug/ml
RT: 11.357 min Scan# 1644
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:149 Resp: 104240

Ion	Ratio	Lower	Upper
149	100		
91	70.1	57.9	86.9
206	17.6	11.9	17.9

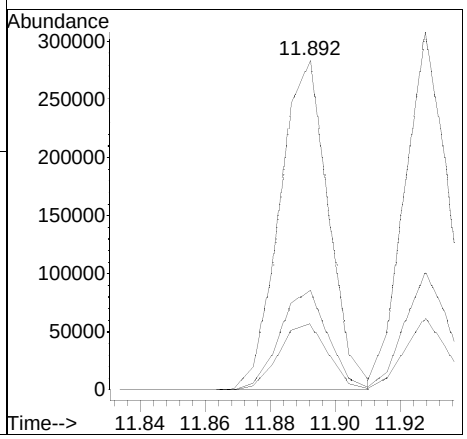


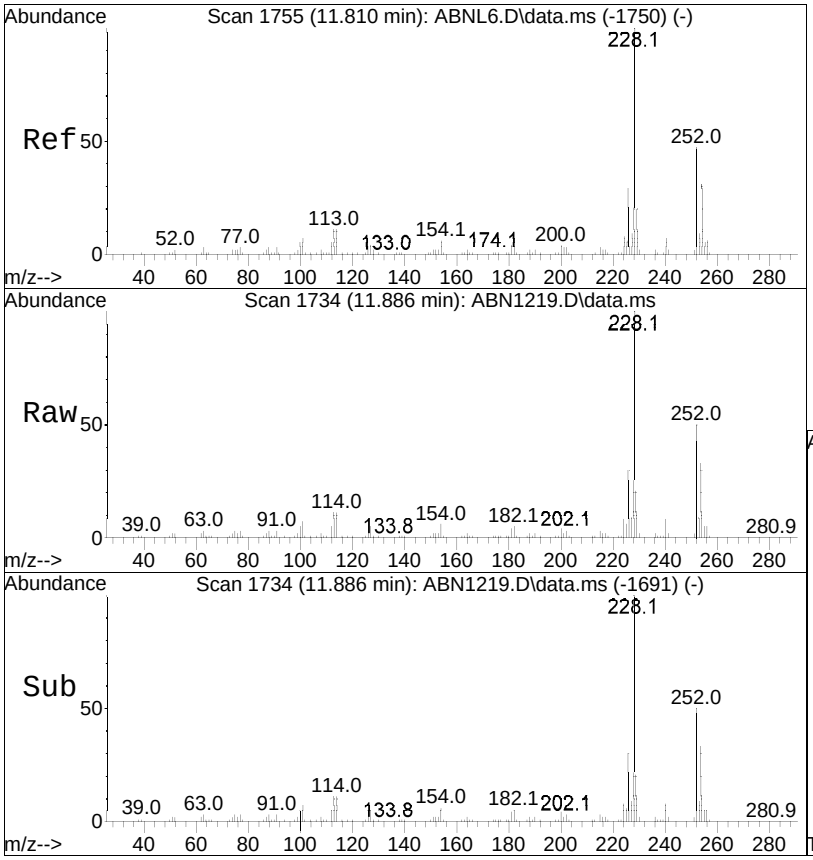


#105
Benzo(a)anthracene
Concen: 5.09 ug/ml
RT: 11.892 min Scan# 1735
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:228 Resp: 296985

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	34.0
229	20.3	15.8	23.6

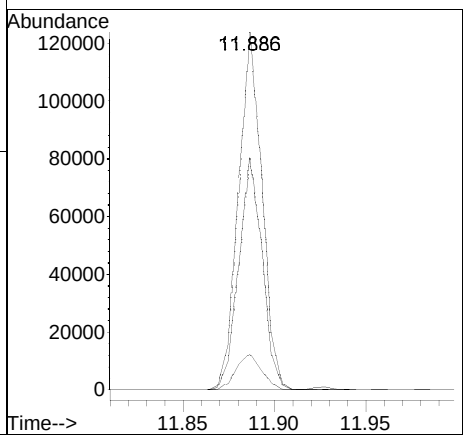


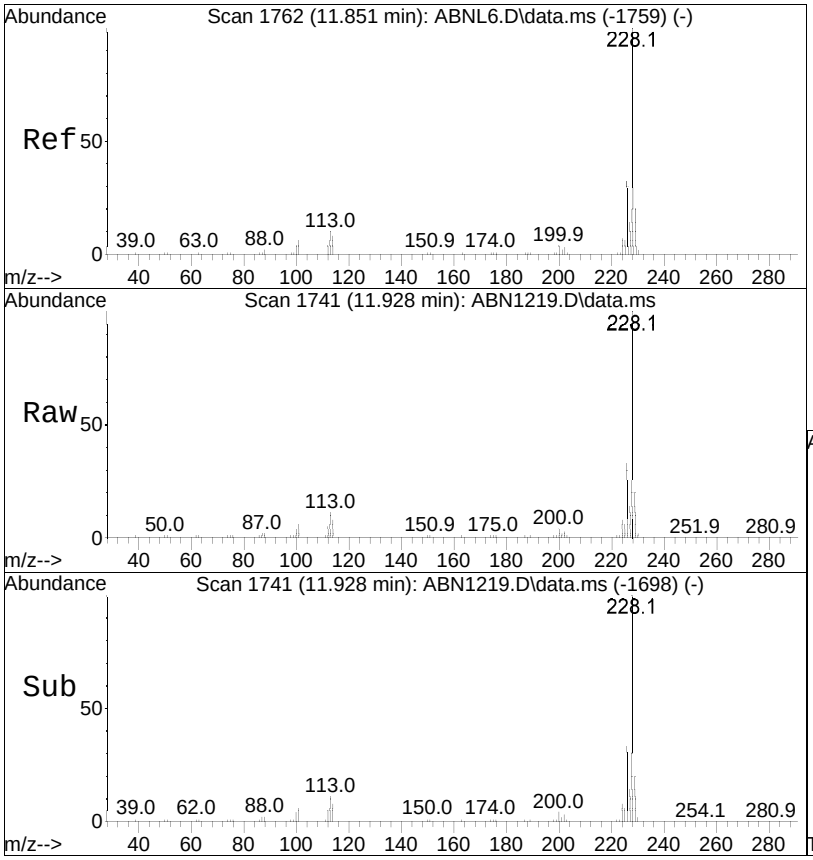


#106
3,3'-Dichlorobenzidine
Concen: 5.38 ug/ml
RT: 11.886 min Scan# 1734
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:252 Resp: 110333

Ion	Ratio	Lower	Upper
252	100		
126	11.1	12.6	19.0#
254	64.9	51.1	76.7

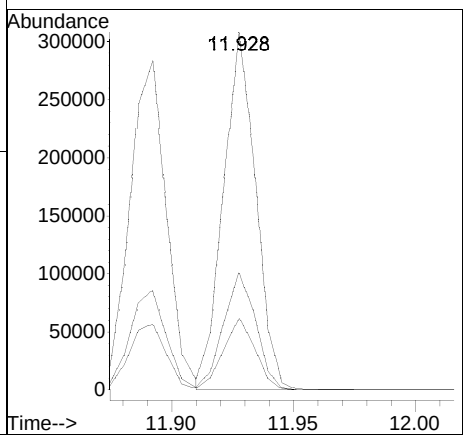


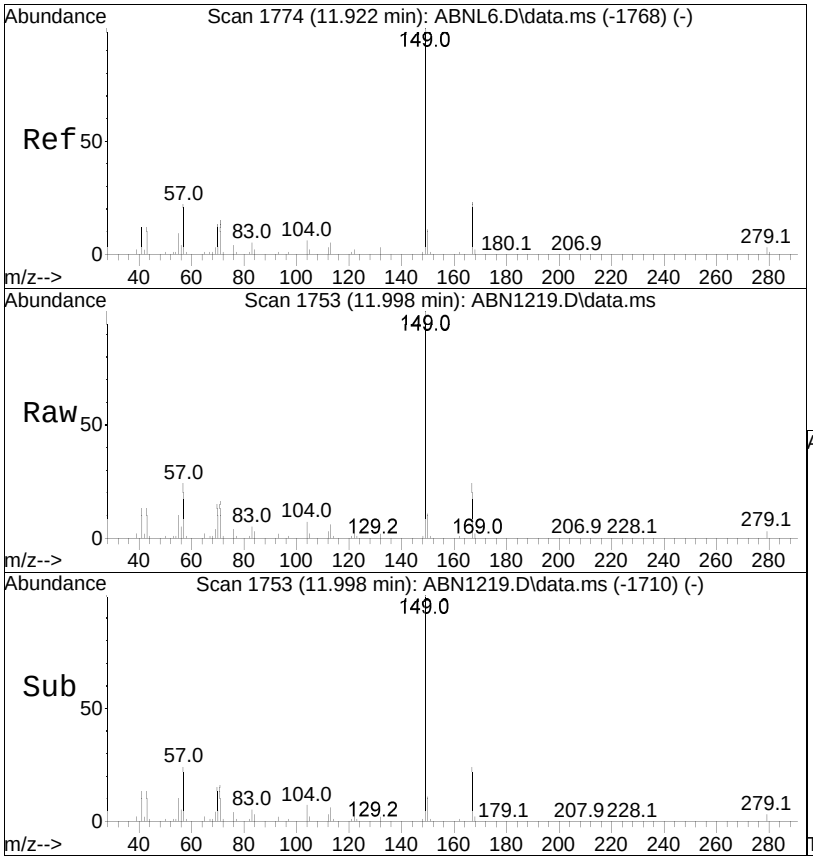


#107
Chrysene
Concen: 4.76 ug/ml
RT: 11.928 min Scan# 1741
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:228 Resp: 283579

Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.7	37.1
229	19.8	15.5	23.3

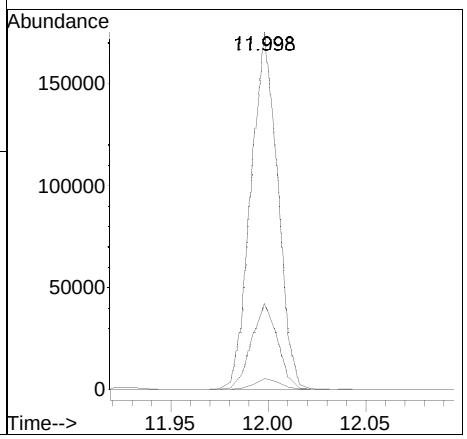


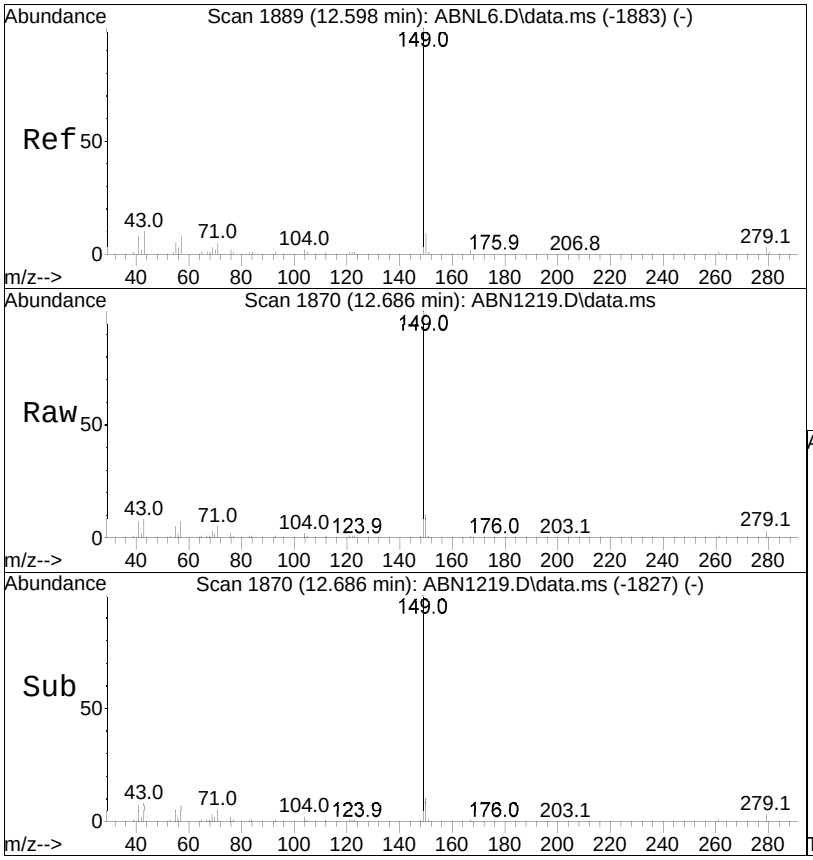


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.72 ug/ml
RT: 11.998 min Scan# 1753
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:149 Resp: 165564

Ion	Ratio	Lower	Upper
149	100		
167	23.7	18.4	27.6
279	2.7	1.7	2.5#

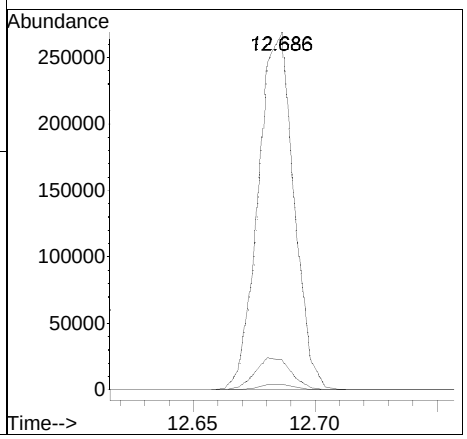


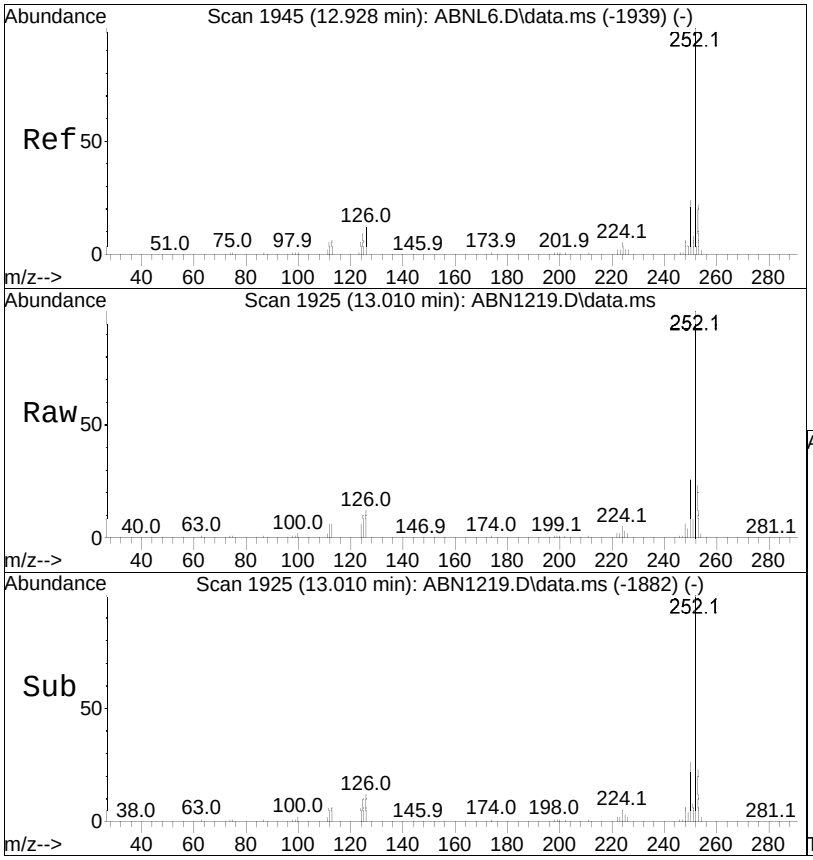


#109
Di-n-octylphthalate
Concen: 6.04 ug/ml
RT: 12.686 min Scan# 1870
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:149 Resp: 269500

Ion	Ratio	Lower	Upper
149	100		
43	9.2	8.2	12.2
167	1.4	1.1	1.7

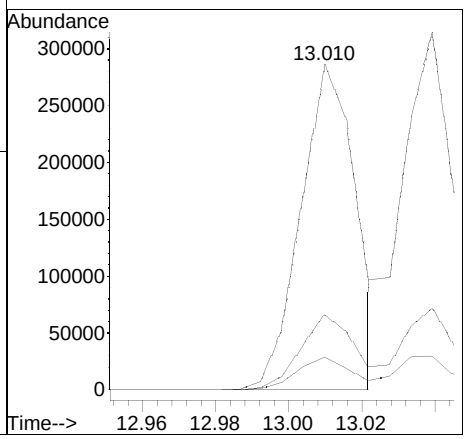


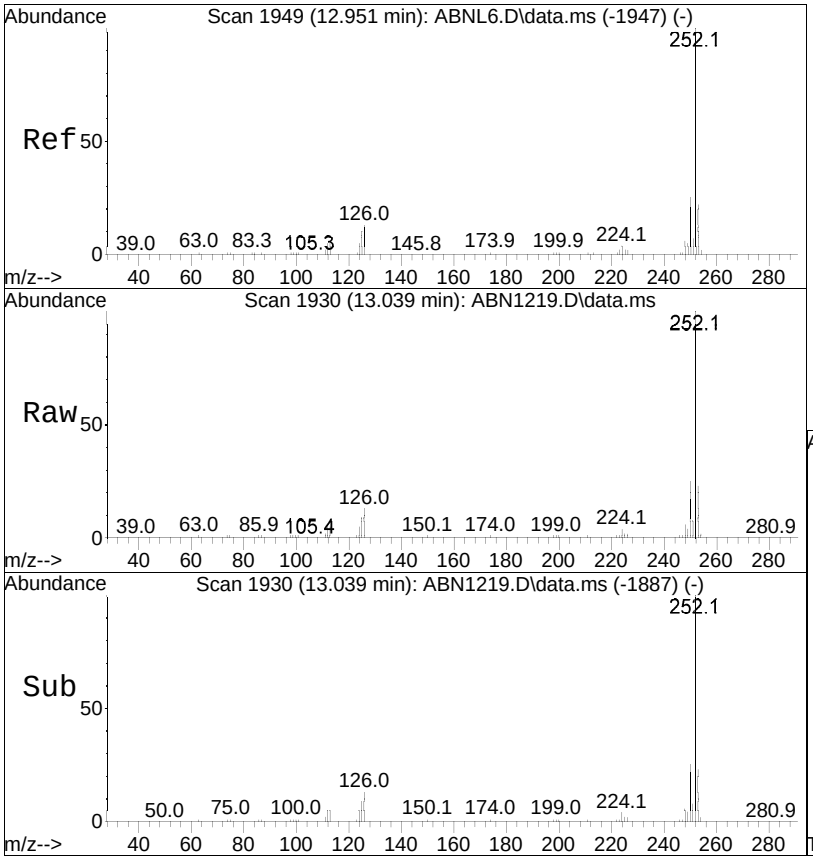


#110
Benzo(b)fluoranthene
Concen: 4.95 ug/ml
RT: 13.010 min Scan# 1925
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:252 Resp: 300049

Ion	Ratio	Lower	Upper
252	100		
125	9.9	11.3	16.9#
253	22.5	17.8	26.8

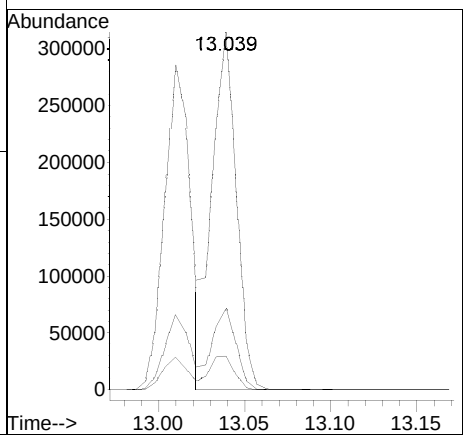


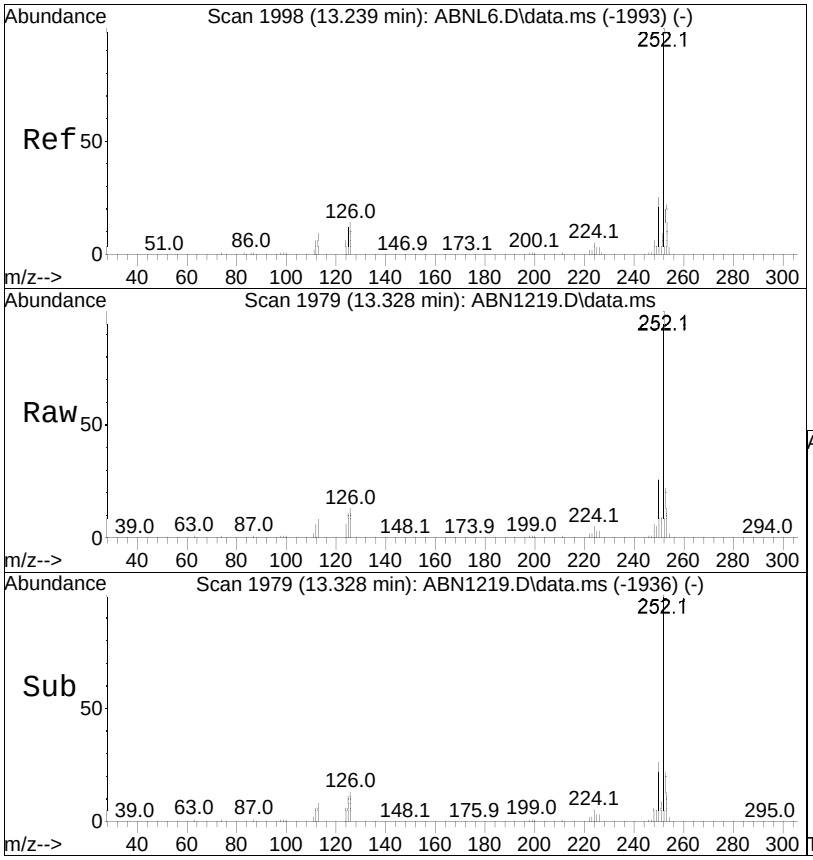


#111
Benzo(k)fluoranthene
Concen: 5.54 ug/ml M3
RT: 13.039 min Scan# 1930
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:252 Resp: 308413

Ion	Ratio	Lower	Upper
252	100		
125	9.7	11.5	17.3#
253	21.9	17.6	26.4

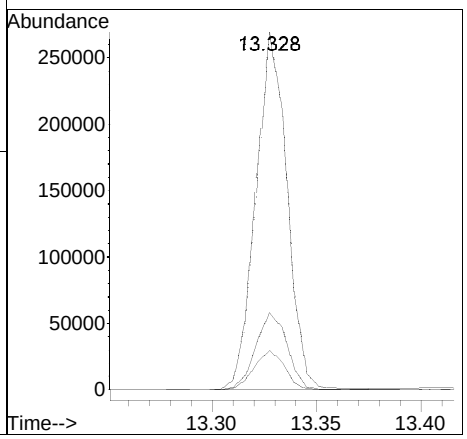


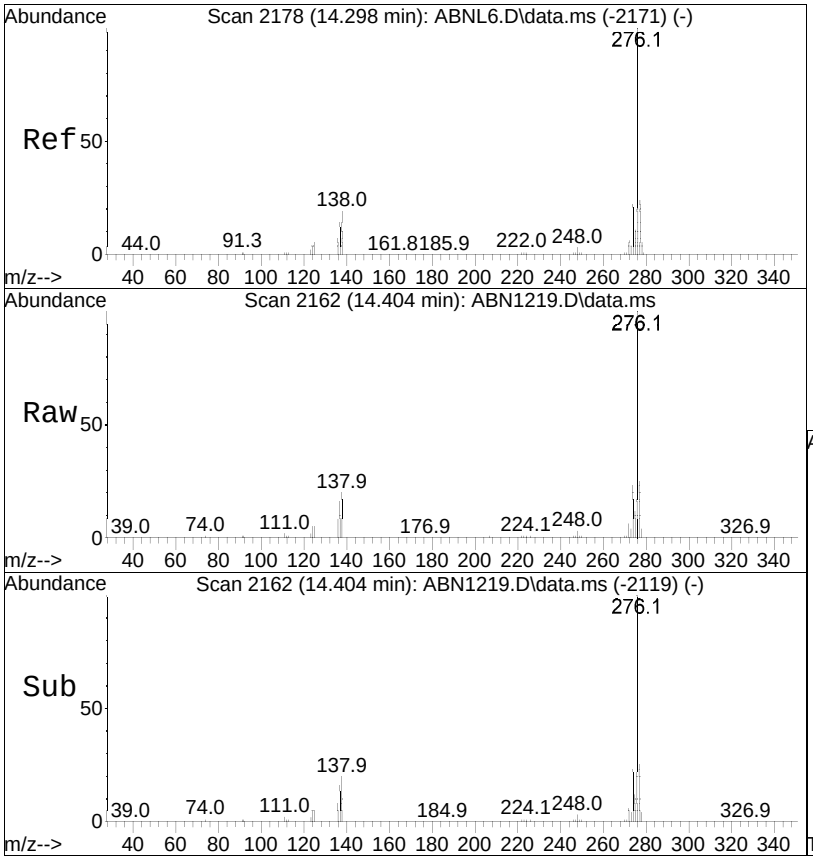


#112
Benzo(a)pyrene
Concen: 5.34 ug/ml
RT: 13.328 min Scan# 1979
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:252 Resp: 277956

Ion	Ratio	Lower	Upper
252	100		
125	11.1	12.6	18.8#
253	22.1	17.5	26.3

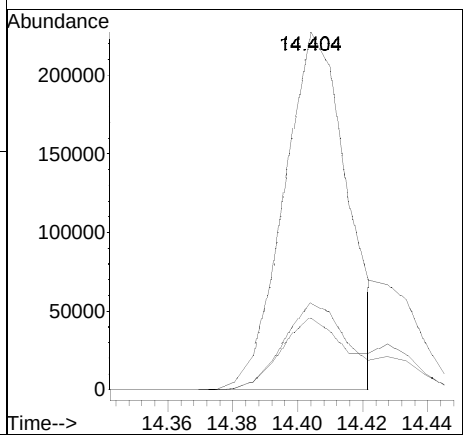


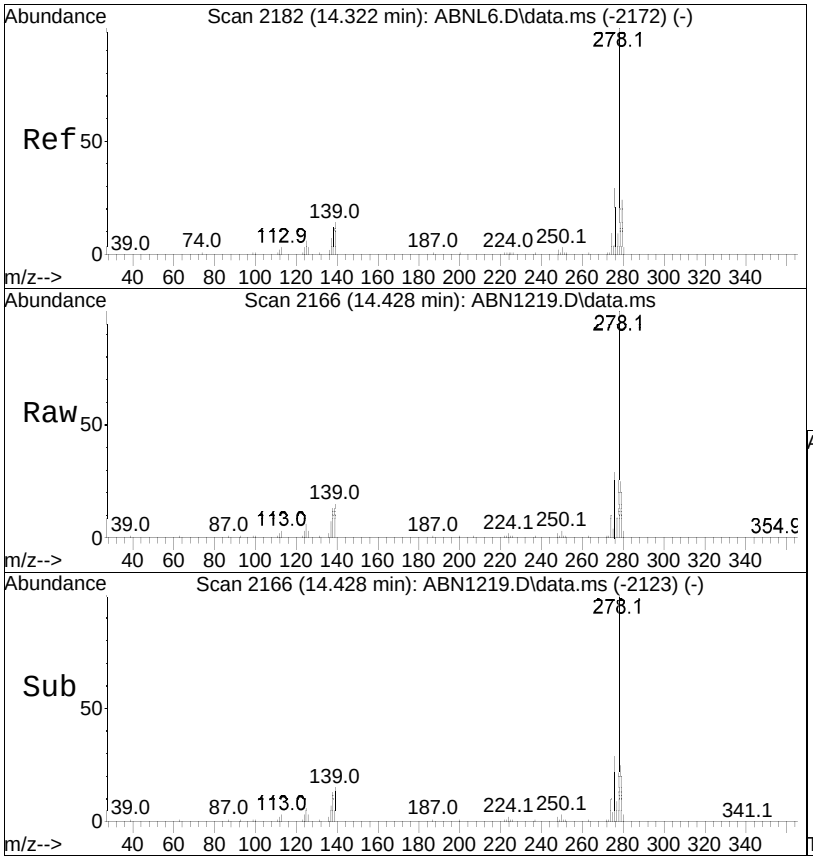


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.08 ug/mL M6
RT: 14.404 min Scan# 2162
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:276 Resp: 309432

Ion	Ratio	Lower	Upper
276	100		
138	29.1	22.1	33.1
277	30.8	19.0	28.6#

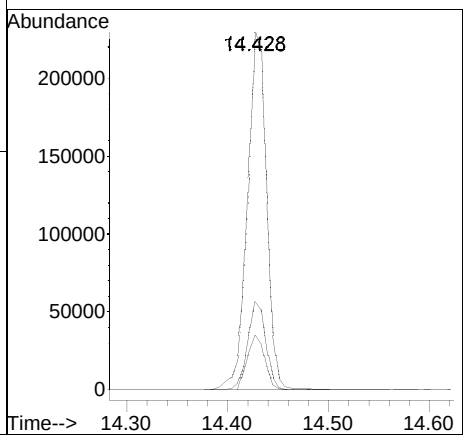


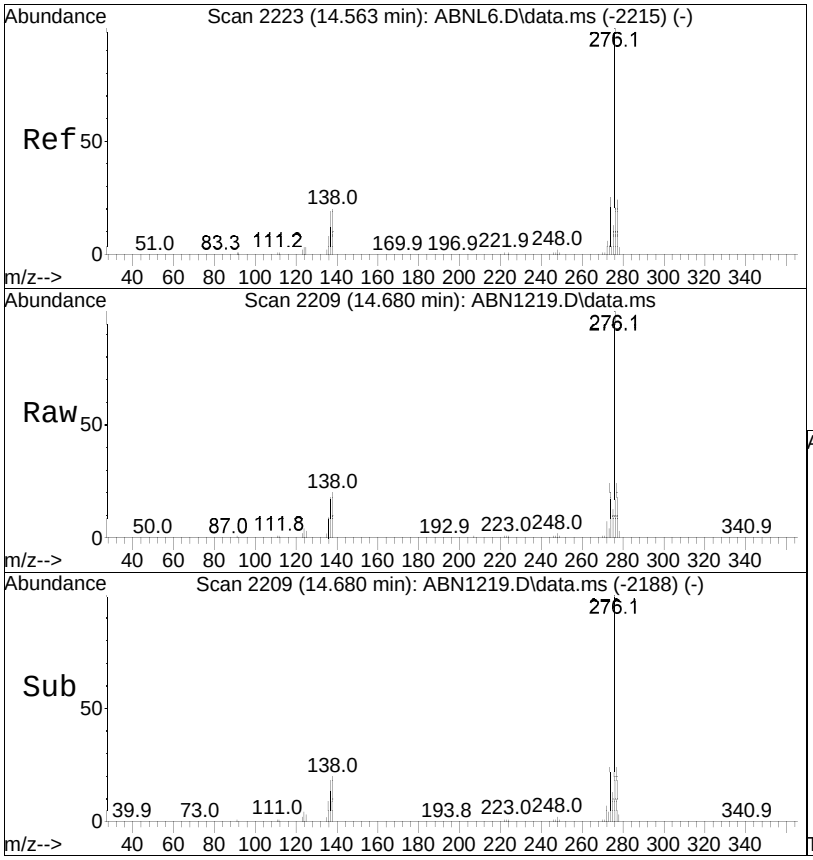


#115
Dibenzo(a,h)anthracene
Concen: 5.24 ug/ml
RT: 14.428 min Scan# 2166
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:278 Resp: 300468

Ion	Ratio	Lower	Upper
278	100		
139	14.2	17.8	26.8#
279	23.6	19.2	28.8

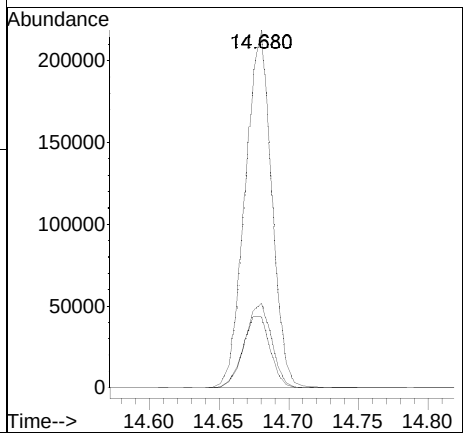




#116
Benzo(ghi)perylene
Concen: 5.03 ug/ml
RT: 14.680 min Scan# 2209
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:24 am

Tgt Ion:276 Resp: 287735

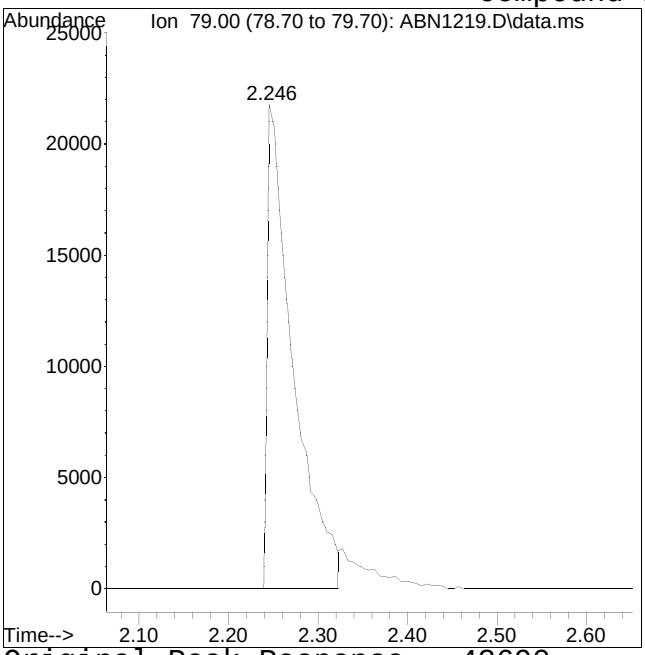
Ion	Ratio	Lower	Upper
276	100		
138	20.9	21.9	32.9#
277	23.9	18.4	27.6

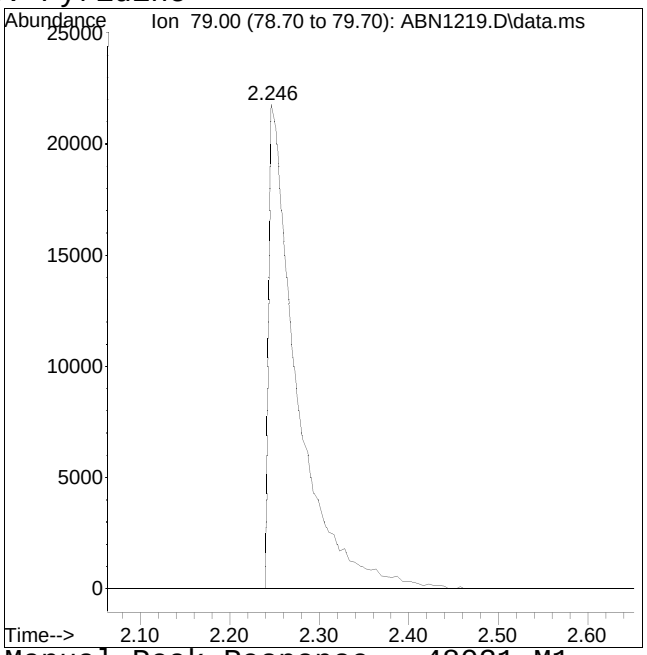


Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : ABN1219.D Operator : SV112:mrg
Date Inj'd : 12/19/2024 11:24 am Instrument : SV112
Sample : WG2011377-3,32,,ABN 11043 Quant Date : 12/19/2024 12:25 pm

Compound #3: Pyridine



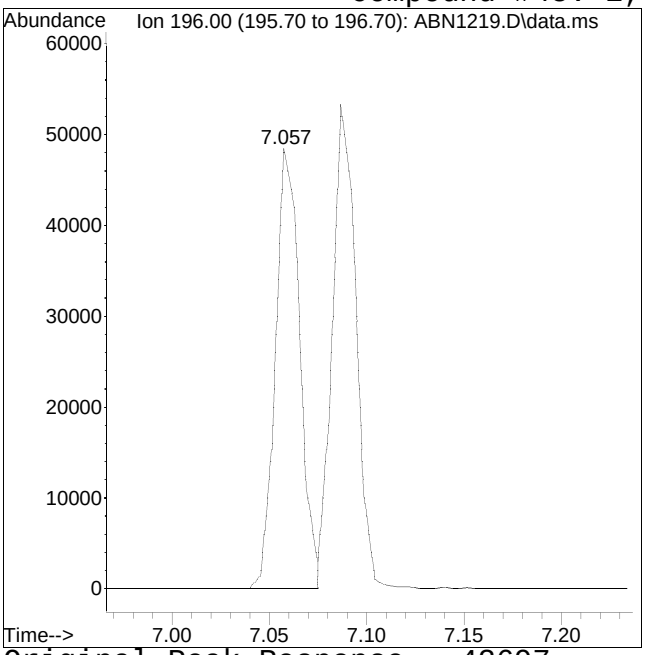


Original Peak Response = 43690 Manual Peak Response = 48031 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

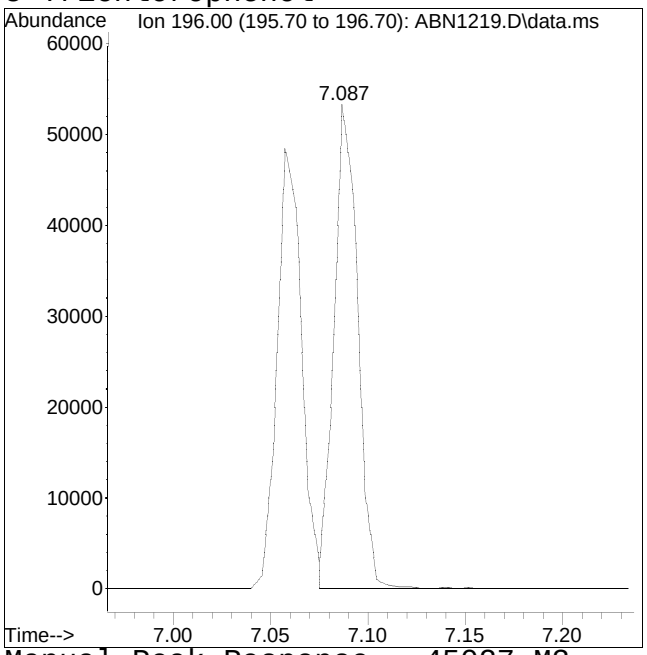
Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : ABN1219.D Operator : SV112:mrg
Date Inj'd : 12/19/2024 11:24 am Instrument : SV112
Sample : WG2011377-3,32,,ABN 11043 Quant Date : 12/19/2024 12:25 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 42697



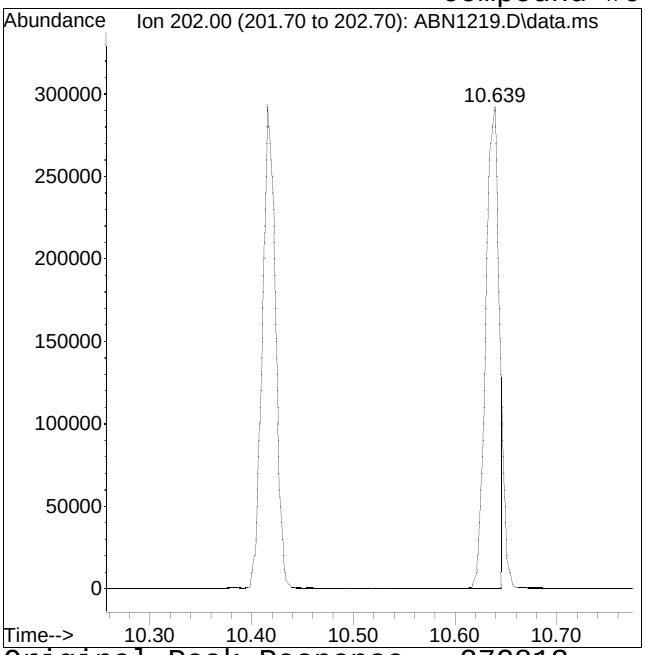
Manual Peak Response = 45027 M3

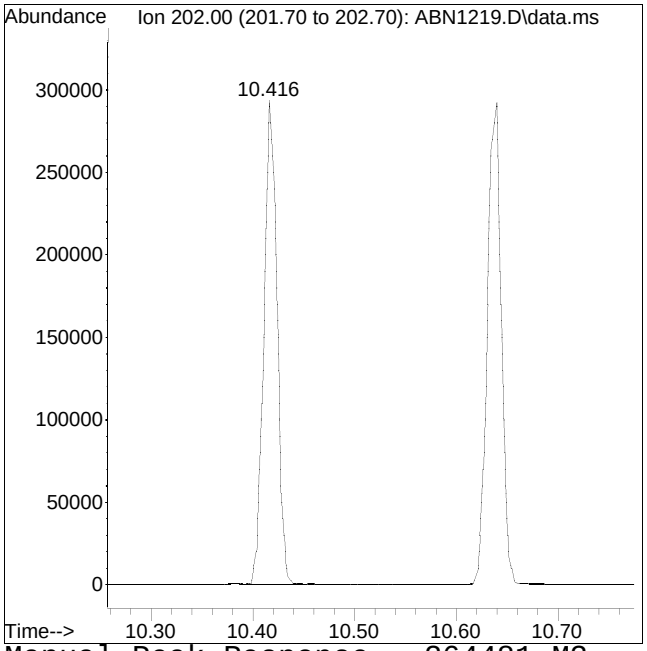
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : ABN1219.D Operator : SV112:mrg
Date Inj'd : 12/19/2024 11:24 am Instrument : SV112
Sample : WG2011377-3,32,,ABN 11043 Quant Date : 12/19/2024 12:25 pm

Compound #93: Fluoranthene





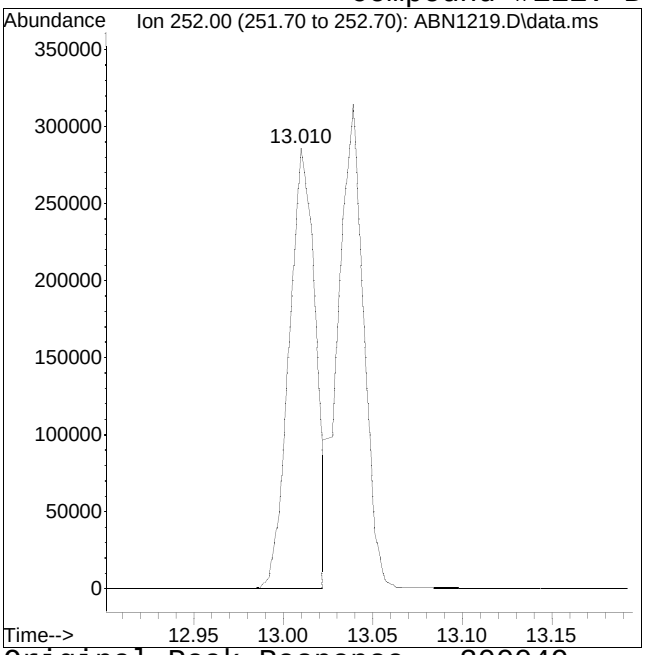
Original Peak Response = 272813 Manual Peak Response = 264481 M3

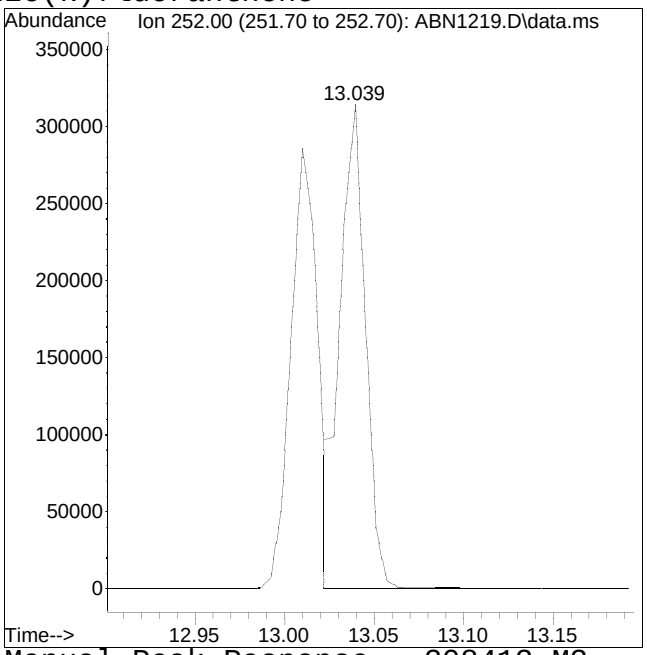
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : ABN1219.D Operator : SV112:mrg
Date Inj'd : 12/19/2024 11:24 am Instrument : SV112
Sample : WG2011377-3,32,,ABN 11043 Quant Date : 12/19/2024 12:25 pm

Compound #111: Benzo(k)fluoranthene





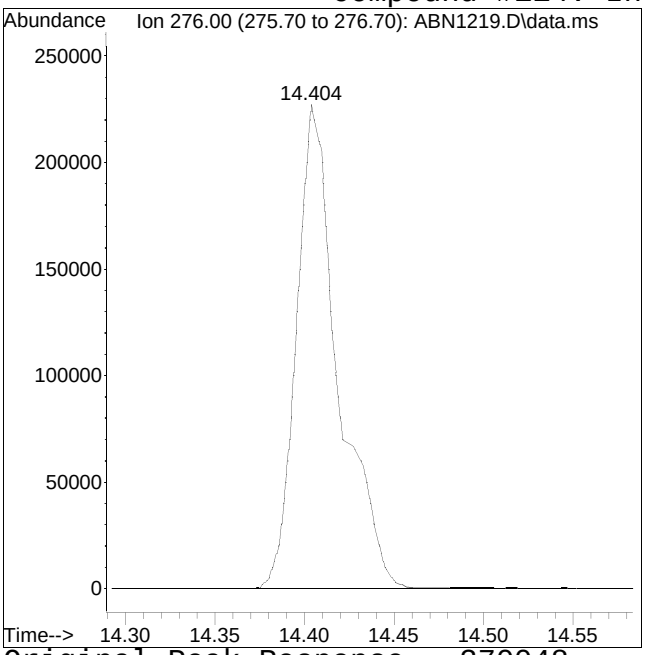
Original Peak Response = 300049 Manual Peak Response = 308413 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

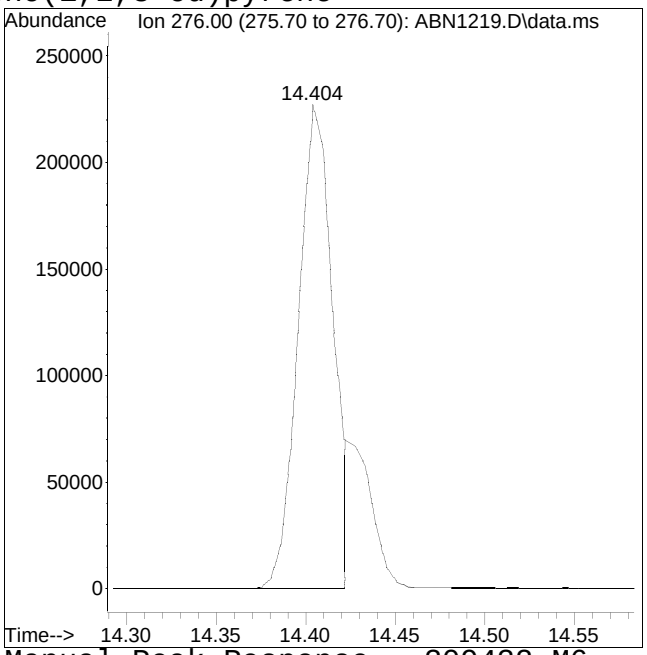
Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : ABN1219.D Operator : SV112:mrg
Date Inj'd : 12/19/2024 11:24 am Instrument : SV112
Sample : WG2011377-3,32,,ABN 11043 Quant Date : 12/19/2024 12:25 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 370048



Manual Peak Response = 309432 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241219RVT\
Data File : AP91219.D
Acq On : 19 Dec 2024 11:47 am
Operator : SV112:mrg
Sample : WG2011377-4,32,,AP9 11152 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 19 12:32:52 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:34:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	131	0.00
28	T	Benzaldehyde		0.832	0.794	4.6	134	0.00
29	T	Acetophenone		1.813	1.571	13.3	125	0.00
30	T	m-Toluidine		1.357	1.400	-3.2	136	0.00
31	T	2-Chloroaniline		1.570	1.444	8.0	126	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	129	0.00
56	T	a-Terpineol		0.253	0.252	0.4	141	0.00
57	T	3-Chloroaniline		0.130	0.127	2.3	127	0.00
58	T	2,6-Dichlorophenol		0.312	0.299	4.2	128	0.00
59	T	1-chloro-2-nitrobenzene		0.141	0.136	3.5	130	0.00
60	T	Caprolactam	*	5.000	4.351	13.0	130	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.468	0.405	13.5	122	0.00
62	T	Biphenyl		0.969	0.856	11.7	123	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	134	0.00
84	T	Dichloran		0.169	0.170	-0.6	141	0.00
85	T	Pentachloronitrobenzene		0.190	0.190	0.0	136	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	131	0.00
99	T	Diphenamid		0.455	0.438	3.7	132	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : AP91219.D
Acq On : 19 Dec 2024 11:47 am
Operator : SV112:mrg
Sample : WG2011377-4,32,,AP9 11152 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 19 12:32:52 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:34:28 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	37135	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	6.069	136	134467	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	7.787	164	84559	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	9.228	188	181272	4.000	ug/ml	# 0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	36845	4.770	ug/ml	96
29) Acetophenone	5.228	105	72937	4.334	ug/ml	98
30) m-Toluidine	5.311	106	64970	5.159	ug/ml	96
31) 2-Chloroaniline	5.669	127	67012	4.598	ug/ml	100
56) a-Terpineol	6.122	59	42295	4.965	ug/ml	94
57) 3-Chloroaniline	6.134	65	21391	4.901	ug/ml	97
58) 2,6-Dichlorophenol	6.163	162	50251	4.788	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.422	111	22854	4.830	ug/ml	95
60) Caprolactam	6.458	55	19639	4.351	ug/ml	88
61) 1,2,4,5-Tetrachloroben...	6.940	216	68110	4.326	ug/ml	98
62) Biphenyl	7.234	154	143943	4.421	ug/ml	97
84) Dichloran	8.922	206	17935	5.019	ug/ml#	66
85) Pentachloronitrobenzene	9.075	237	20092	5.013	ug/ml#	83
99) Diphenamid	10.140	167	99223	4.816	ug/ml	86

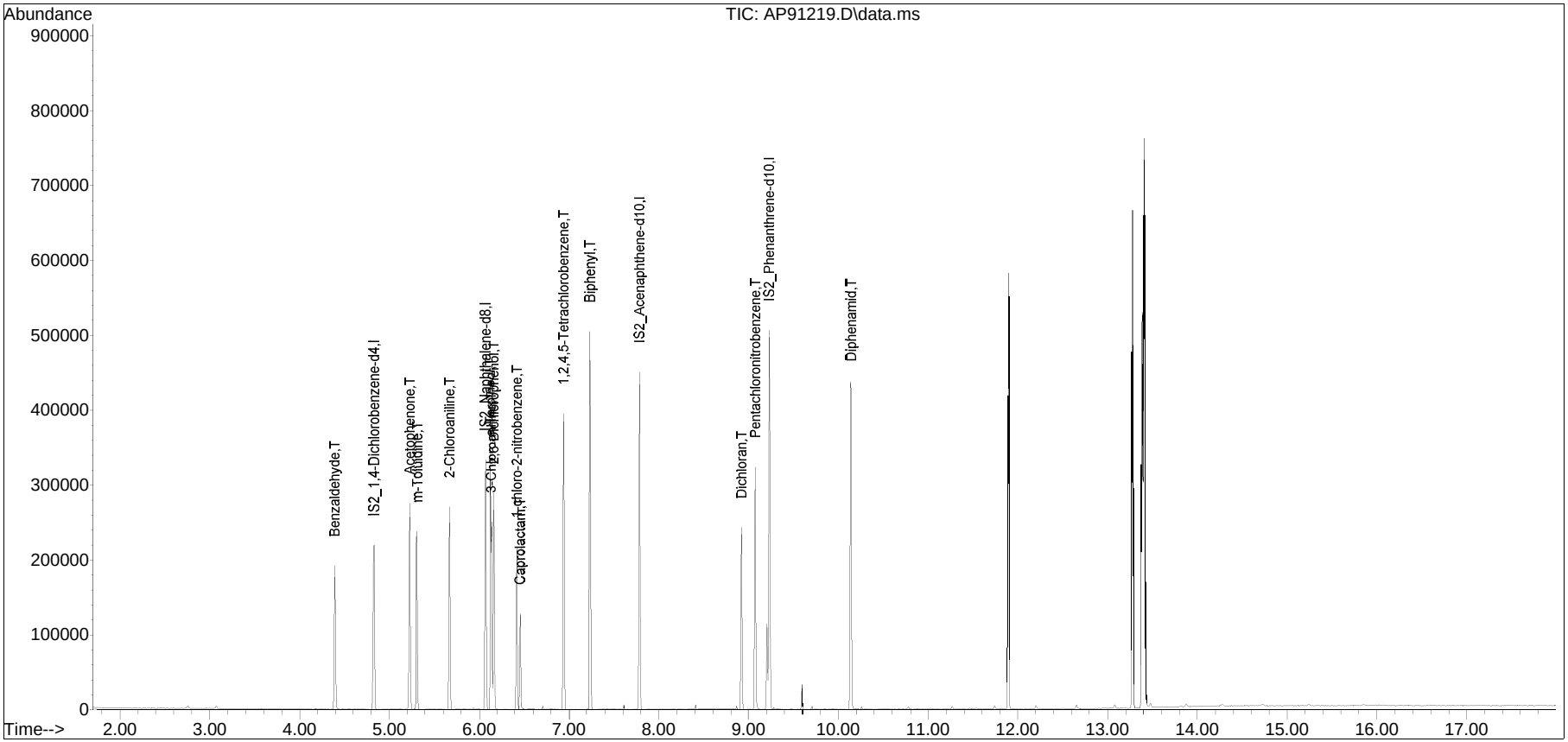
(#) = qualifier out of range (m) = manual integration (+) = signals summed

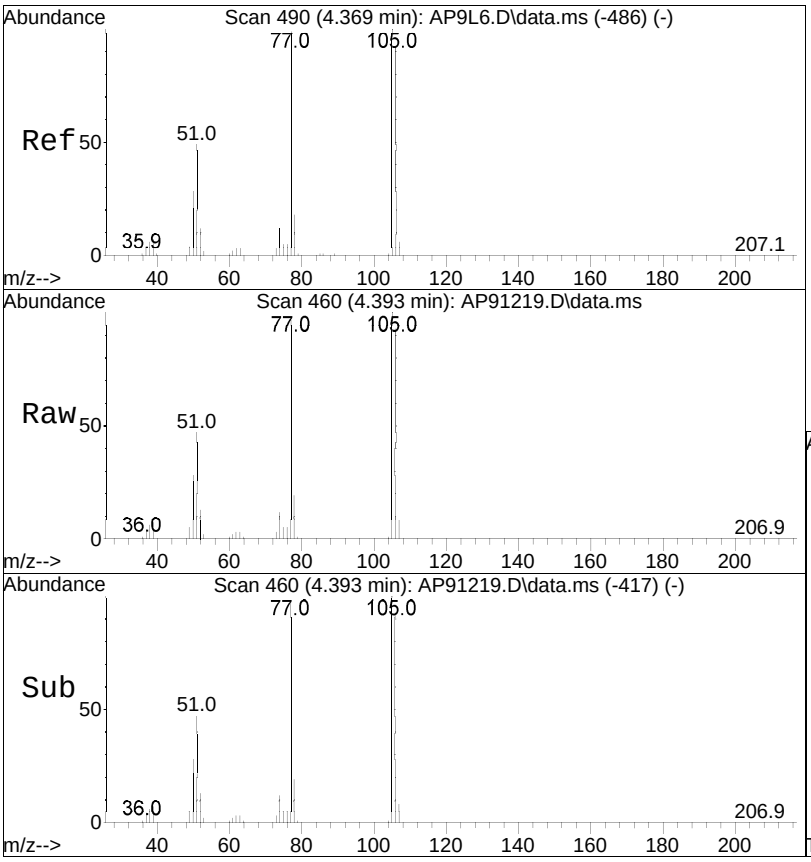
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : AP91219.D
Acq On : 19 Dec 2024 11:47 am
Operator : SV112:mrg
Sample : WG2011377-4,32,,AP9 11152 HNY1205A
Misc : WG2011377,,ical21786
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 19 12:32:52 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:34:28 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

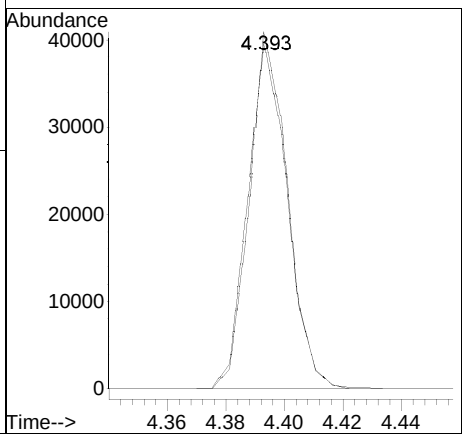


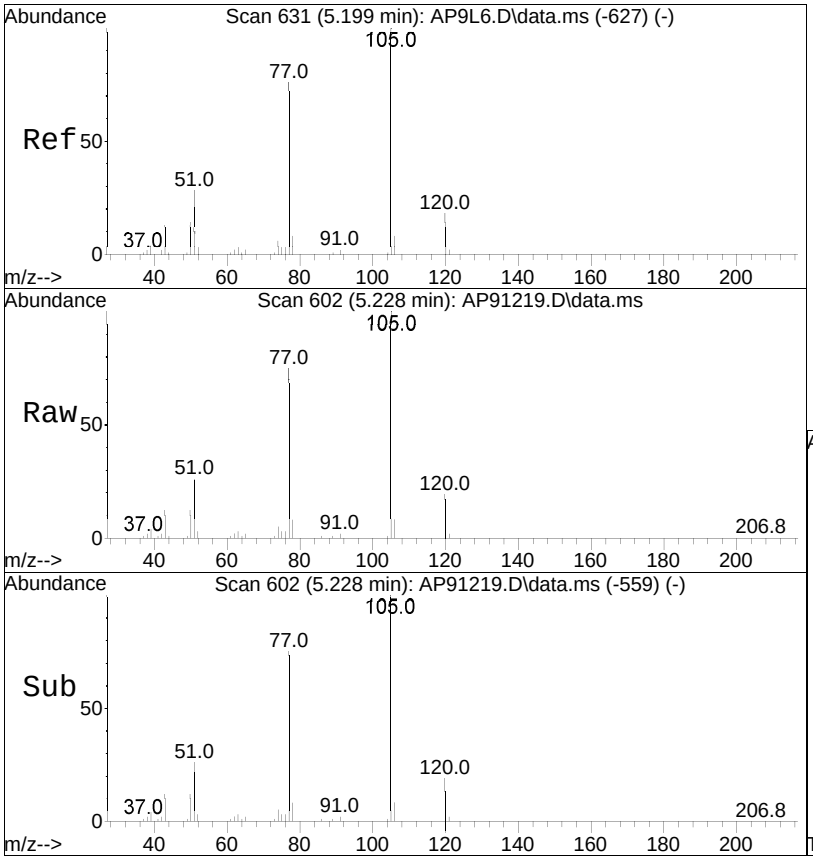


#28
Benzaldehyde
Concen: 4.77 ug/ml
RT: 4.393 min Scan# 460
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:105 Resp: 36845

Ion	Ratio	Lower	Upper
105	100		
77	100.7	77.0	115.6

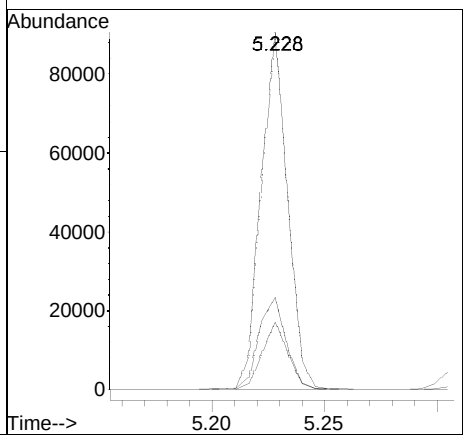


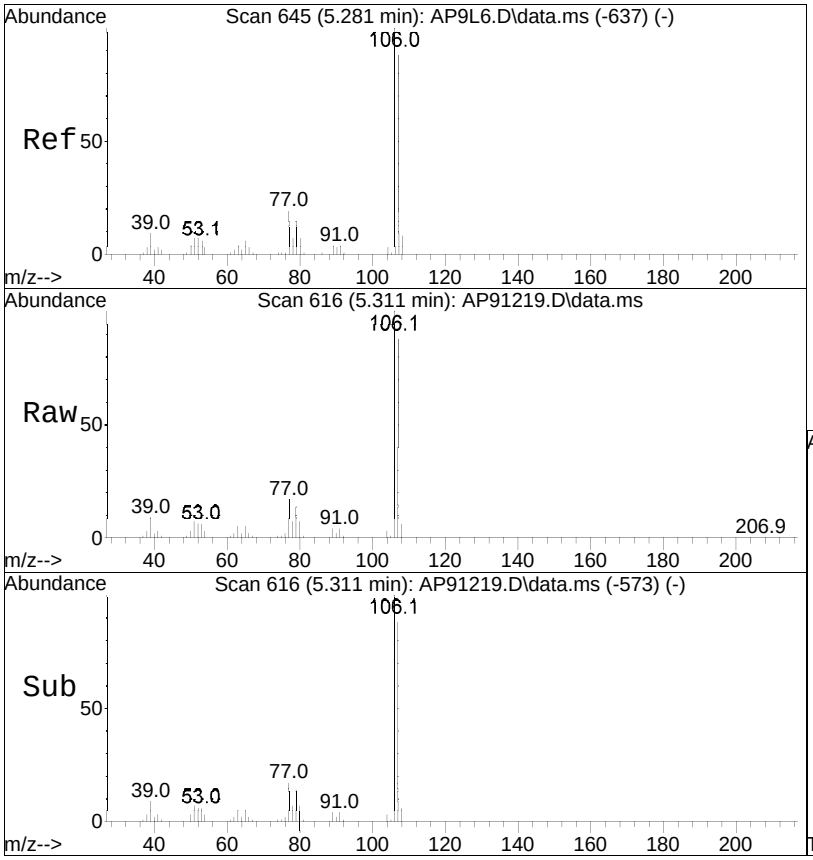


#29
Acetophenone
Concen: 4.33 ug/ml
RT: 5.228 min Scan# 602
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:105 Resp: 72937

Ion	Ratio	Lower	Upper
105	100		
120	18.6	15.2	22.8
51	27.2	23.1	34.7

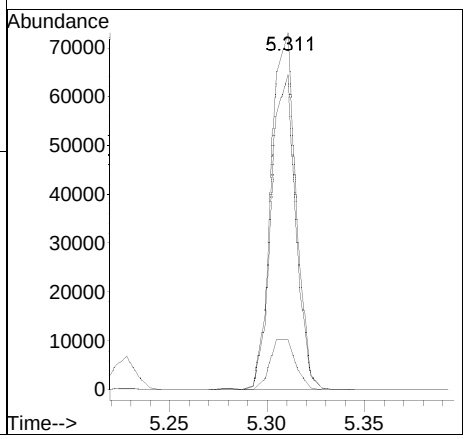


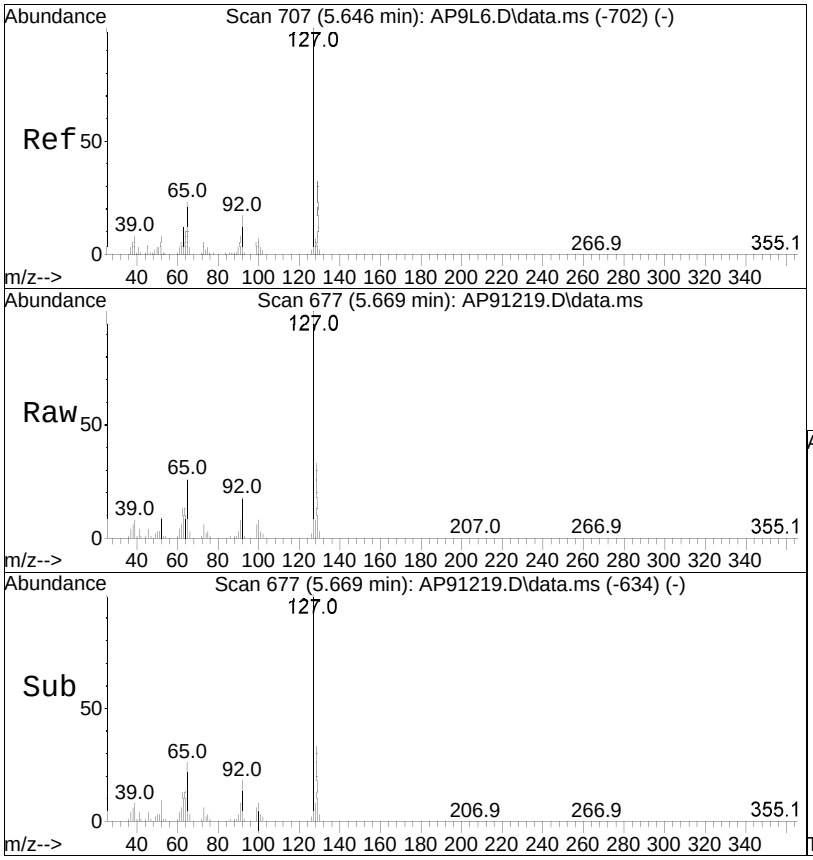


#30
m-Toluidine
Concen: 5.16 ug/ml
RT: 5.311 min Scan# 616
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:106 Resp: 64970

Ion	Ratio	Lower	Upper
106	100		
107	86.7	72.3	108.5
79	14.5	12.2	18.2

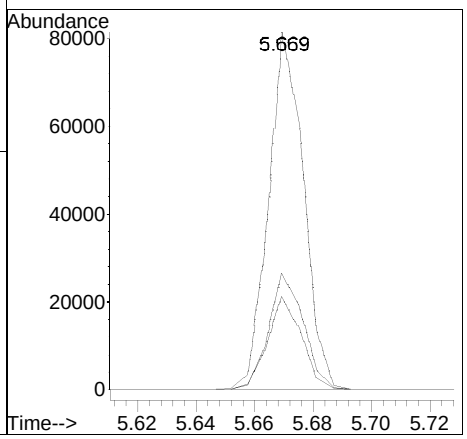


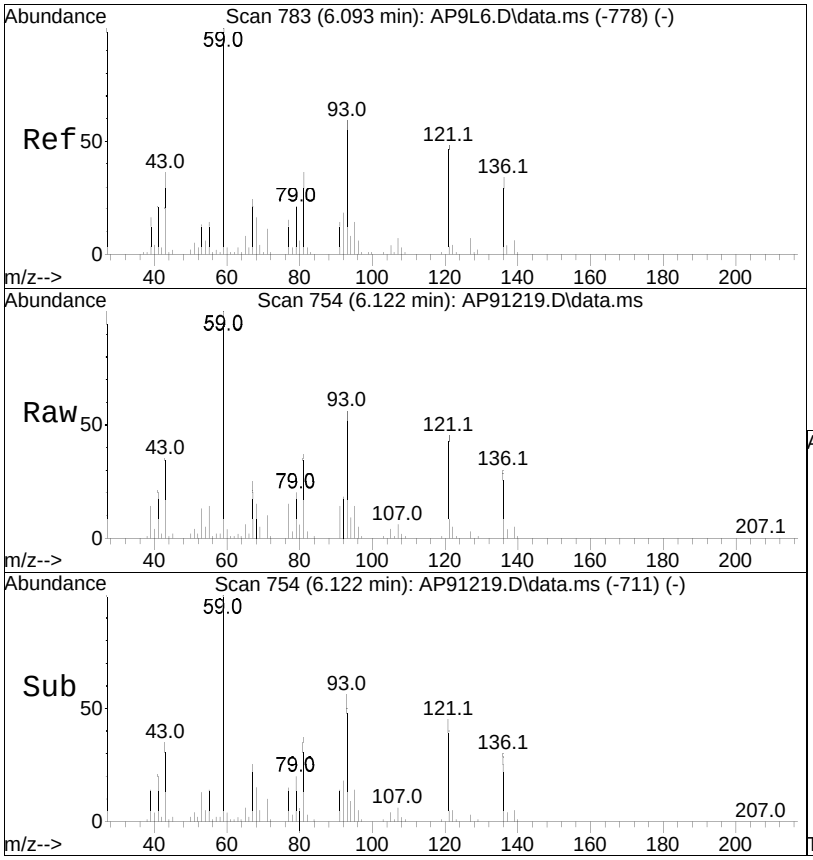


#31
2-Chloroaniline
Concen: 4.60 ug/ml
RT: 5.669 min Scan# 677
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:127 Resp: 67012

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	25.3	20.5	30.7

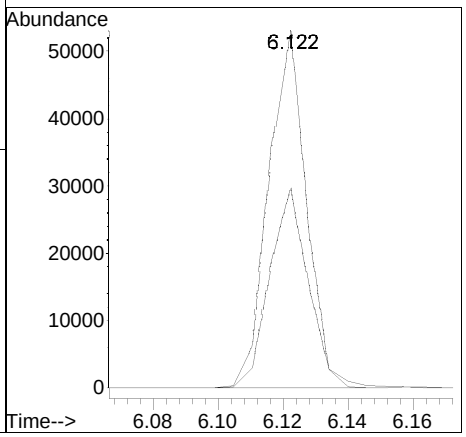


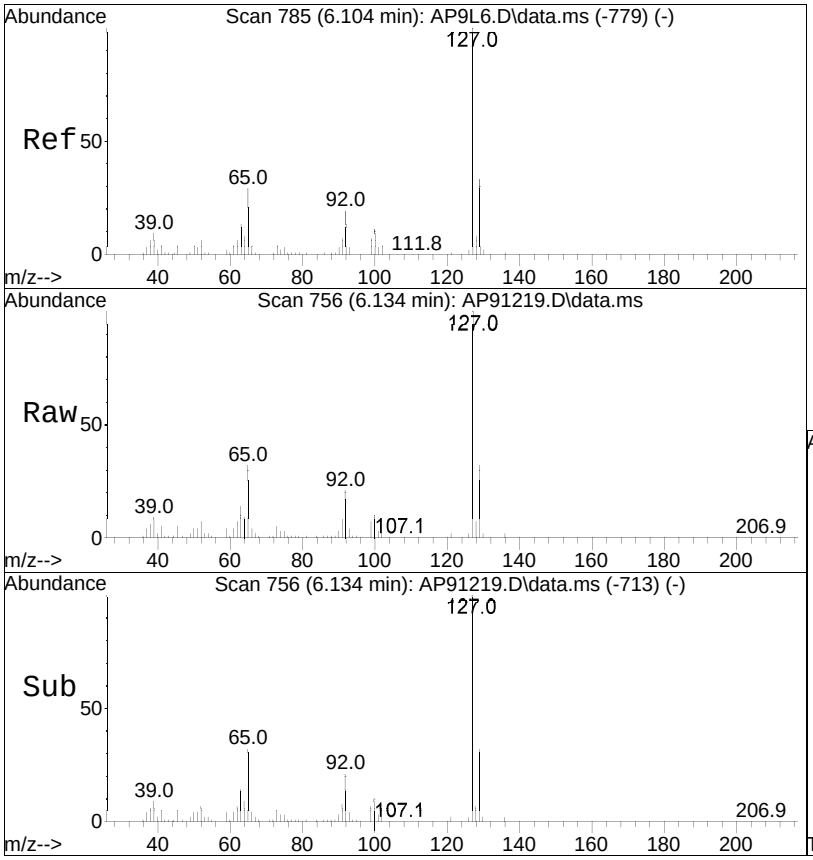


#56
a-Terpineol
Concen: 4.97 ug/ml
RT: 6.122 min Scan# 754
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion: 59 Resp: 42295

Ion	Ratio	Lower	Upper
59	100		
93	58.6	43.5	65.3

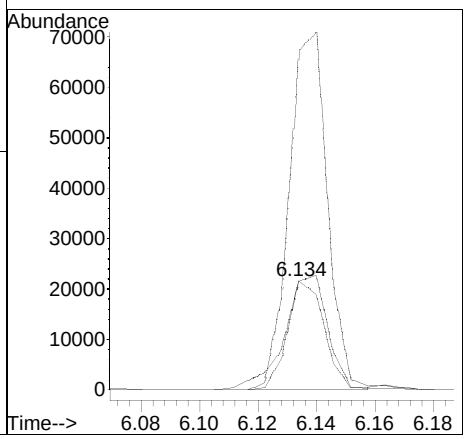


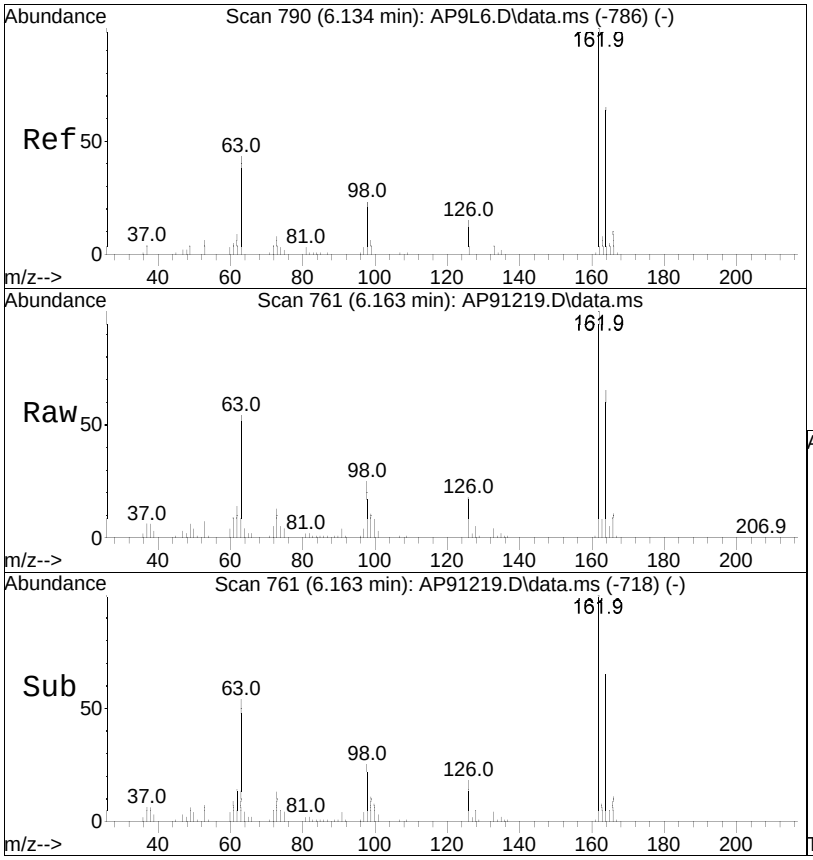


#57
3-Chloroaniline
Concen: 4.90 ug/ml
RT: 6.134 min Scan# 756
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion: 65 Resp: 21391

Ion	Ratio	Lower	Upper
65	100		
127	301.9	236.6	355.0
129	99.0	76.6	115.0

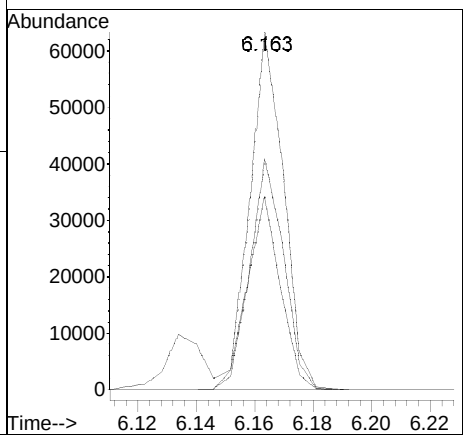


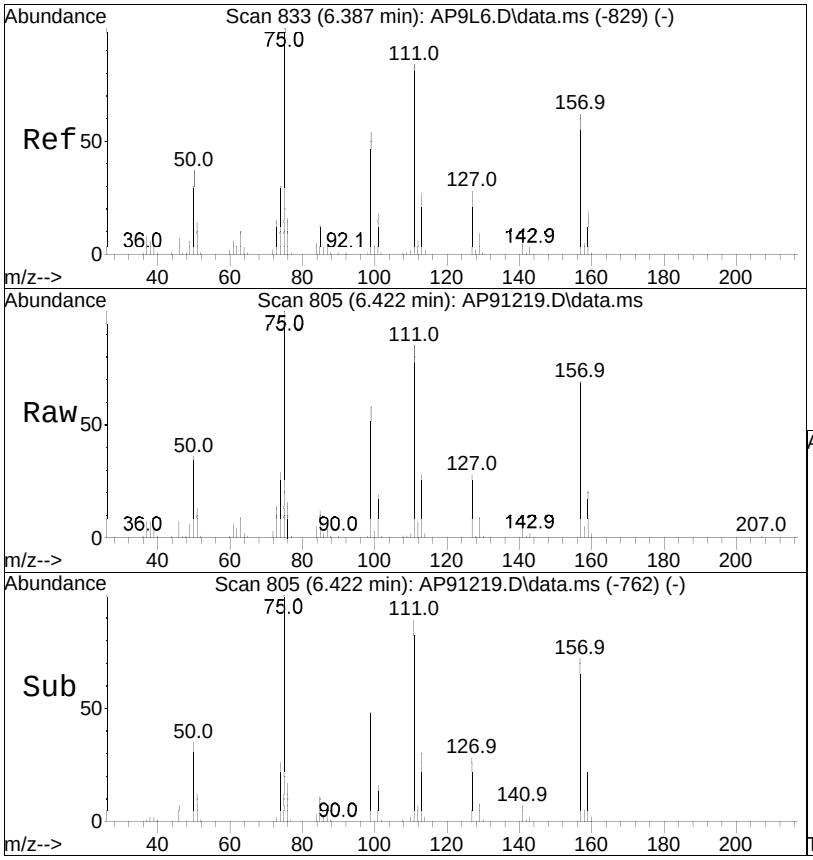


#58
2,6-Dichlorophenol
Concen: 4.79 ug/ml
RT: 6.163 min Scan# 761
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:162 Resp: 50251

Ion	Ratio	Lower	Upper
162	100		
164	64.9	50.8	76.2
63	53.2	53.6	80.4#

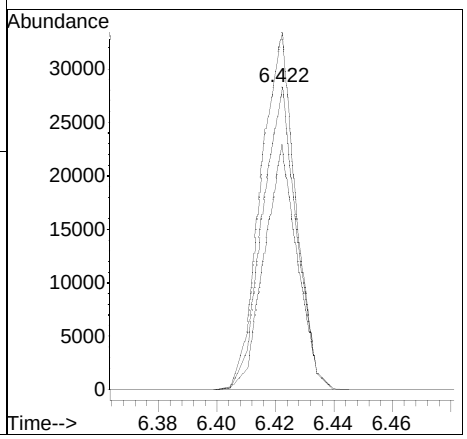


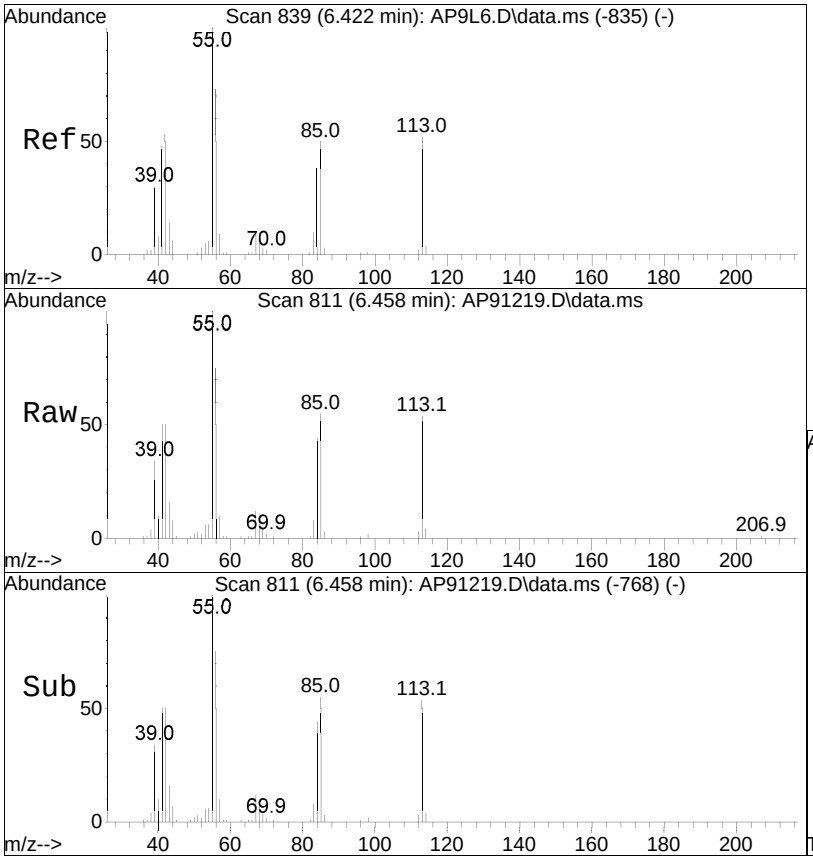


#59
1-chloro-2-nitrobenzene
Concen: 4.83 ug/ml
RT: 6.422 min Scan# 805
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:111 Resp: 22854

Ion	Ratio	Lower	Upper
111	100		
157	78.2	56.2	84.2
75	119.9	97.8	146.6

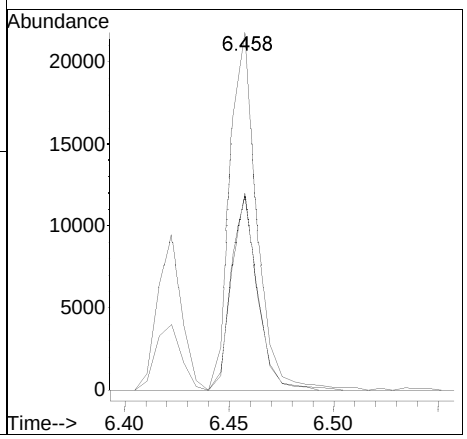


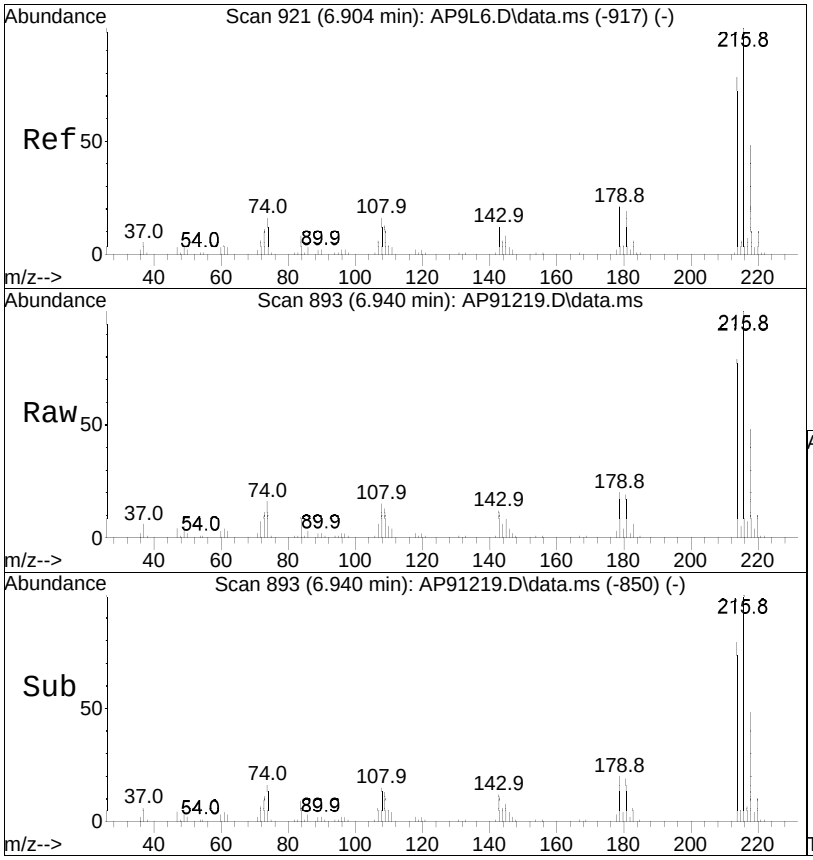


#60
Caprolactam
Concen: 4.35 ug/ml
RT: 6.458 min Scan# 811
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion: 55 Resp: 19639

Ion	Ratio	Lower	Upper
55	100		
85	52.2	35.2	52.8
113	53.3	36.6	55.0

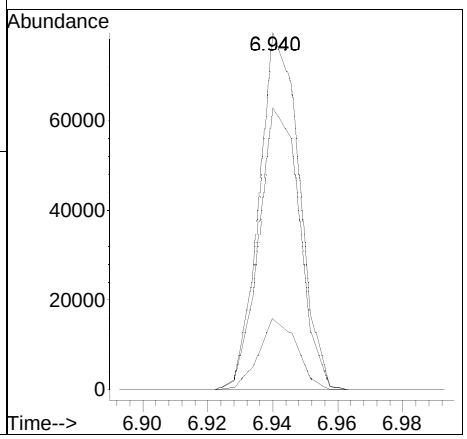


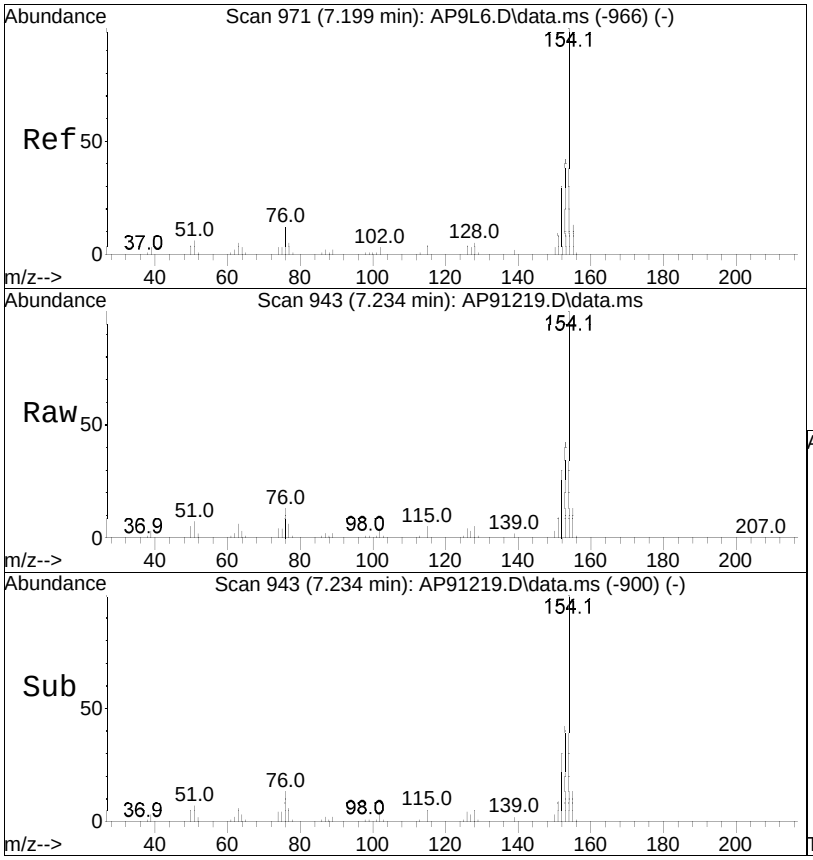


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.33 ug/ml
RT: 6.940 min Scan# 893
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:216 Resp: 68110

Ion	Ratio	Lower	Upper
216	100		
214	80.4	64.0	96.0
179	19.1	18.7	28.1

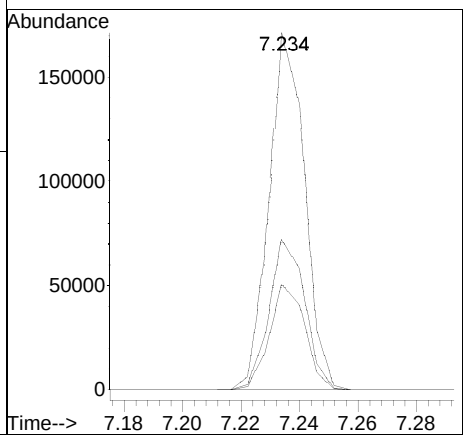


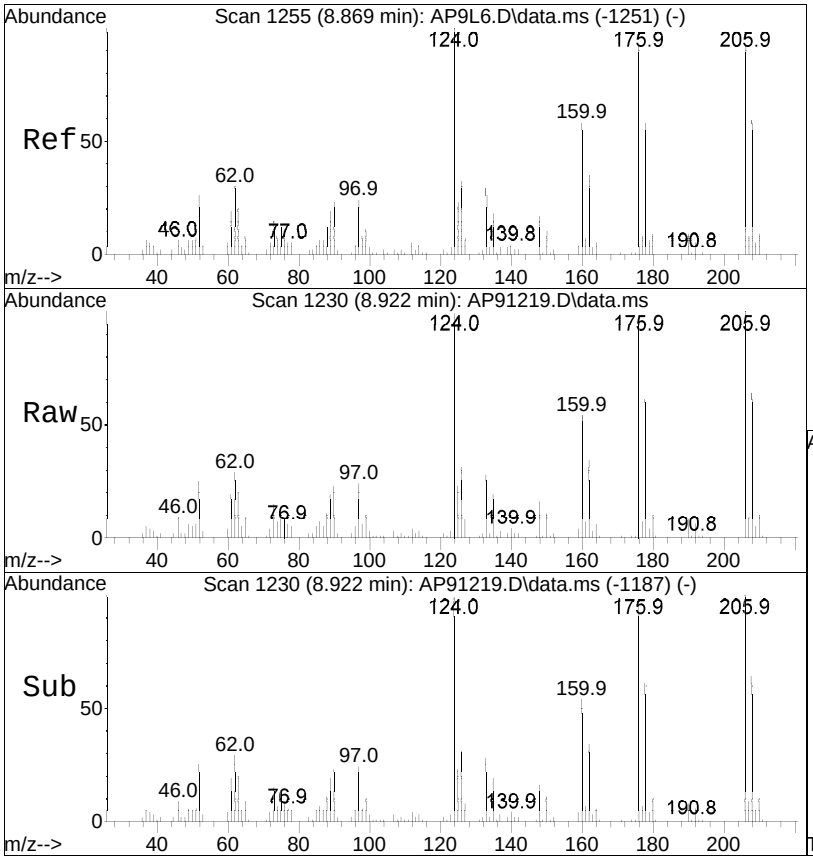


#62
Biphenyl
Concen: 4.42 ug/ml
RT: 7.234 min Scan# 943
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:154 Resp: 143943

Ion	Ratio	Lower	Upper
154	100		
153	42.5	32.5	48.7
152	29.6	22.6	34.0

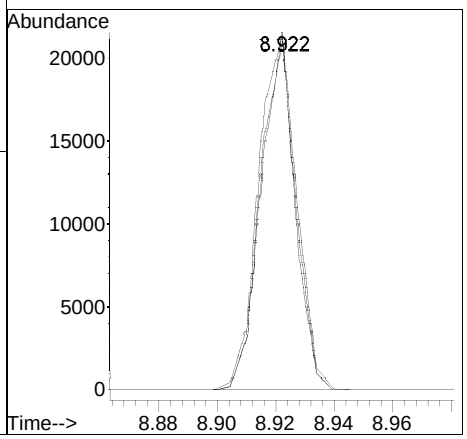


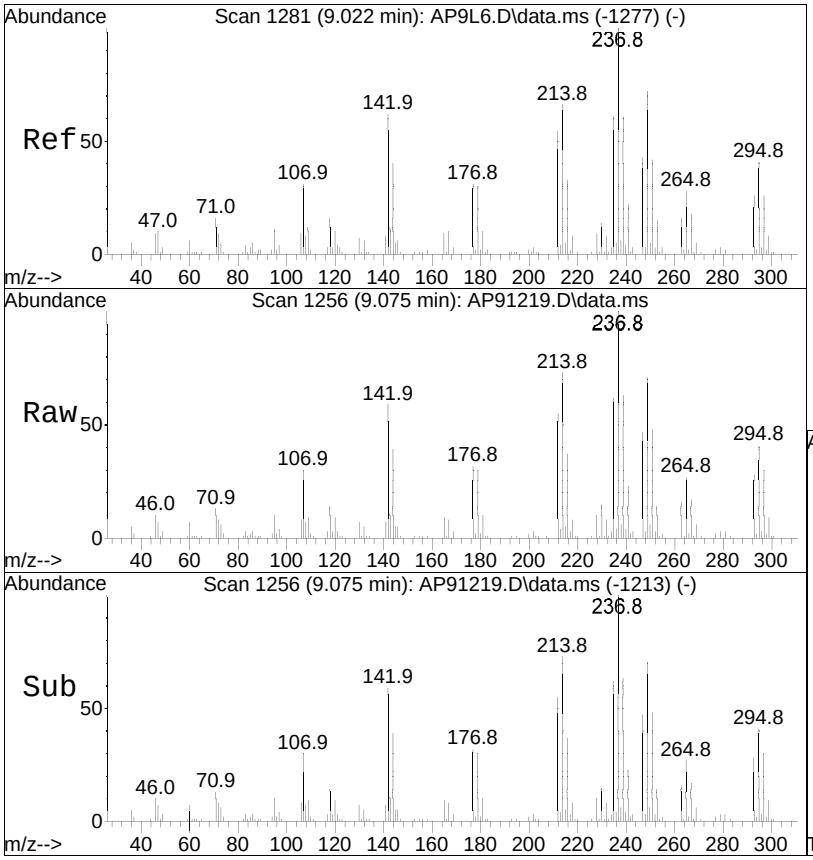


#84
Dichloran
Concen: 5.02 ug/ml
RT: 8.922 min Scan# 1230
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:206 Resp: 17935

Ion	Ratio	Lower	Upper
206	100		
176	97.8	98.8	148.2#
124	102.0	125.8	188.6#

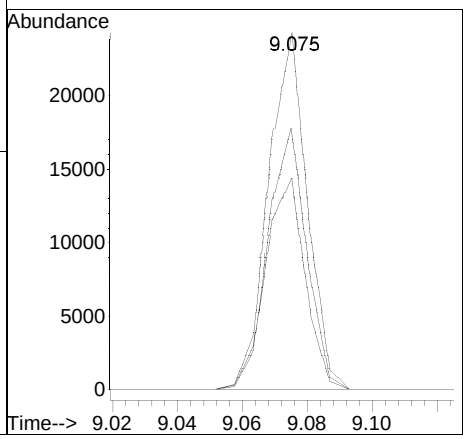


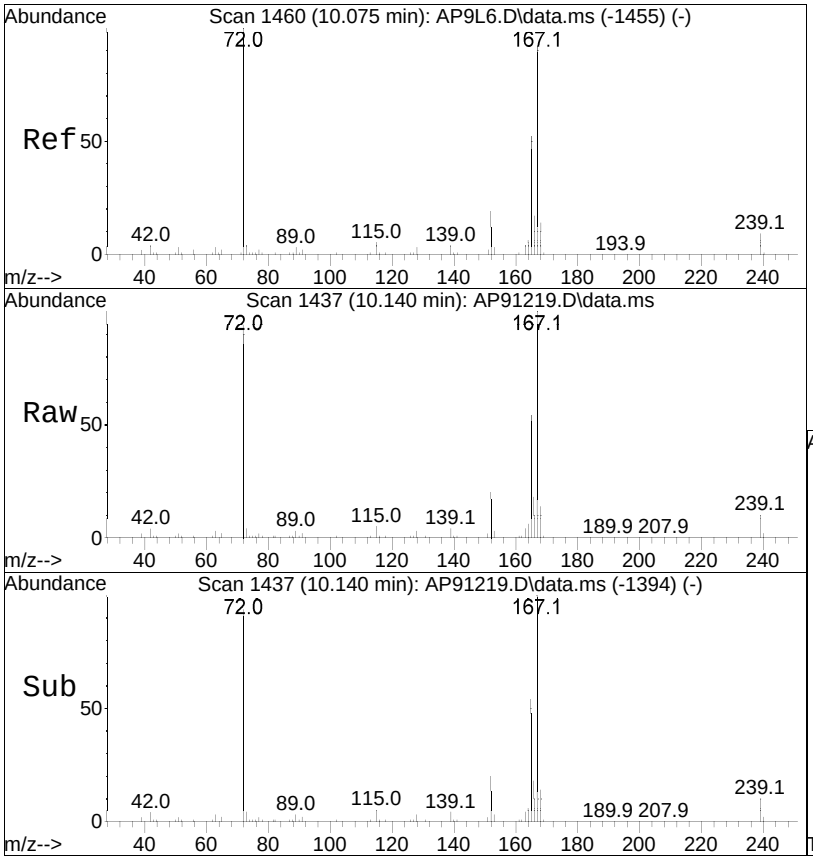


#85
Pentachloronitrobenzene
Concen: 5.01 ug/ml
RT: 9.075 min Scan# 1256
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:237 Resp: 20092

Ion	Ratio	Lower	Upper
237	100		
142	60.8	70.3	105.5#
214	72.9	59.4	89.2

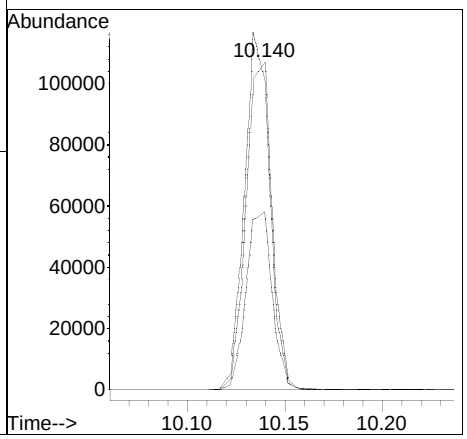




#99
Diphenamid
Concen: 4.82 ug/ml
RT: 10.140 min Scan# 1437
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:47 am

Tgt Ion:167 Resp: 99223

Ion	Ratio	Lower	Upper
167	100		
72	104.7	98.9	148.3
165	55.2	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\241219RVT\	QMethod	: FS241215SV112RVT.m
Data File	: AP91219.D	Operator	: SV112:mrg
Date Inj'd	: 12/19/2024 11:47 am	Instrument	: SV112
Sample	: WG2011377-4,32,,AP9 11152	Quant Date	: 12/19/2024 12:34 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241219RVT\
Data File : ADP1219.D
Acq On : 19 Dec 2024 12:11 pm
Operator : SV112:mrg
Sample : WG2011377-5,32,,ADP 11153 HNY1205B
Misc : WG2011377,,ical21786
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 19 12:39:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:41:00 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	116	0.00
33	T	1,4-Dioxane		0.487	0.439	9.9	112	0.00
34	T	n-Decane		1.199	1.158	3.4	121	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	118	0.00
87	T	Atrazine		0.372	0.350	5.9	115	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	116	0.00
101	T	n-Octadecane		0.315	0.334	-6.0	121	0.00
102	T	Parathion	*	5.000	4.771	4.6	125	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.723	5.5	135	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : ADP1219.D
Acq On : 19 Dec 2024 12:11 pm
Operator : SV112:mrg
Sample : WG2011377-5,32,,ADP 11153 HNY1205B
Misc : WG2011377,,ical21786
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 19 12:39:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:41:00 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	4.828	152	29954	4.000	ug/ml		0.00
86) IS3_Acenaphthene-d10	7.787	164	66138	4.000	ug/ml		0.00
100) IS3_Phenanthrene-d10	9.228	188	146403	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.934	88	16441	4.507	ug/ml	#	88
34) n-Decane	4.710	57	43371	4.831	ug/ml		94
87) Atrazine	8.993	200	28941	4.706	ug/ml		99
101) n-Octadecane	9.193	57	61081	5.295	ug/ml		91
102) Parathion	10.016	109	13793	4.771	ug/ml	#	84
103) 3,3'-Dimethylbenzidine	11.316	212	109098	4.723	ug/ml		99

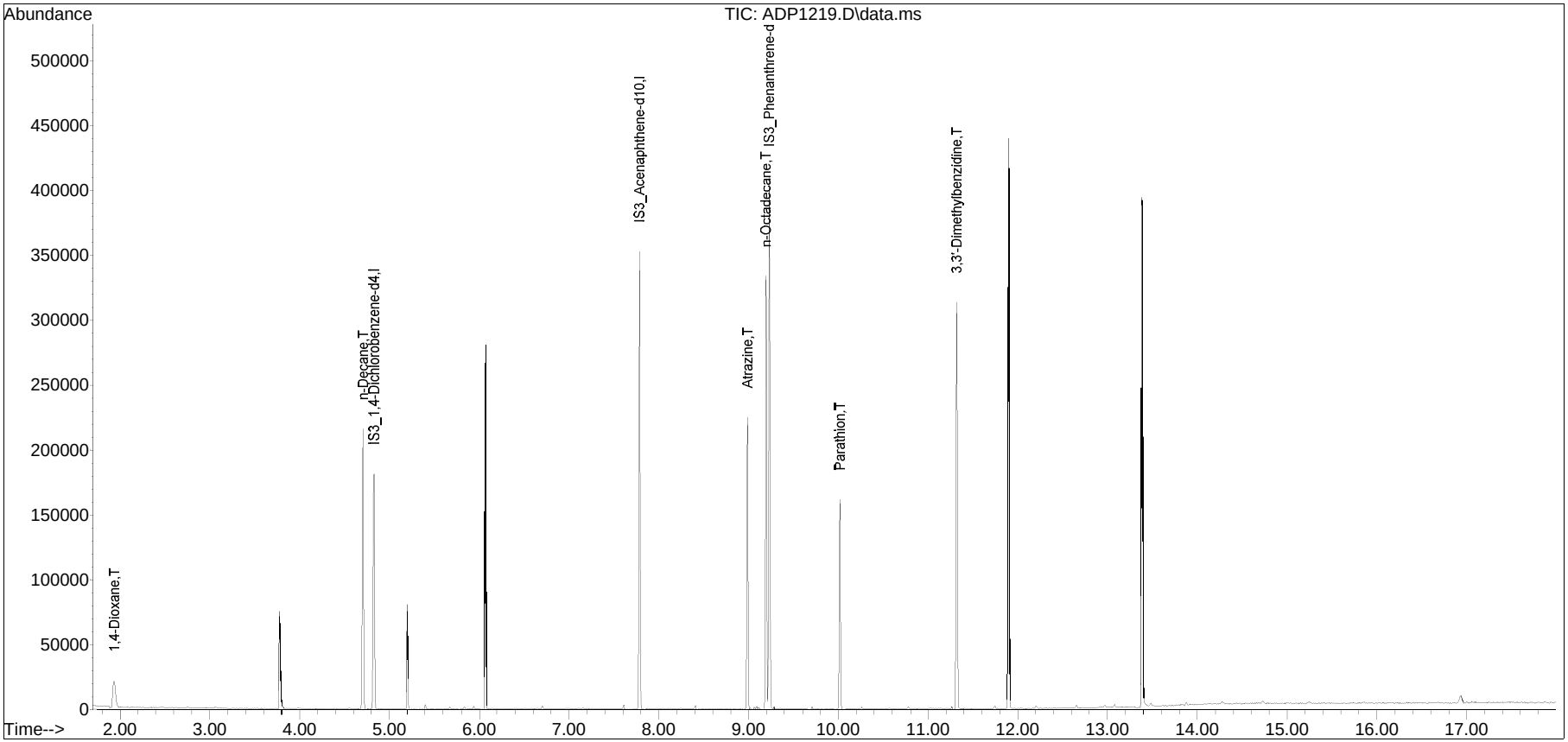
(#) = qualifier out of range (m) = manual integration (+) = signals summed

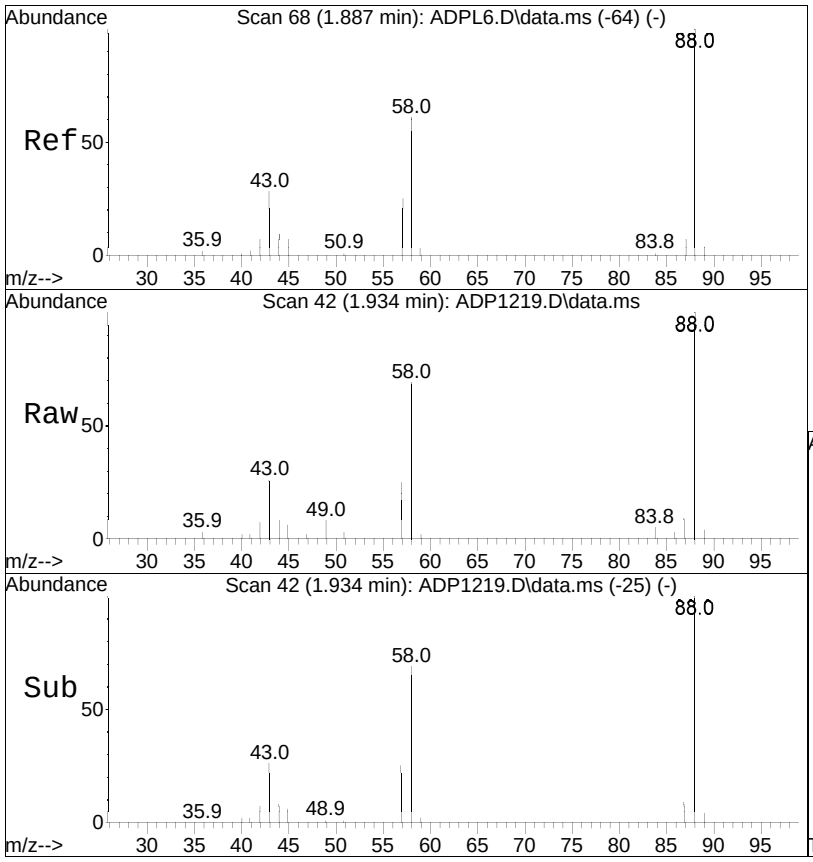
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : ADP1219.D
Acq On : 19 Dec 2024 12:11 pm
Operator : SV112:mrg
Sample : WG2011377-5,32,,ADP 11153 HNY1205B
Misc : WG2011377,,ical21786
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 19 12:39:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:41:00 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

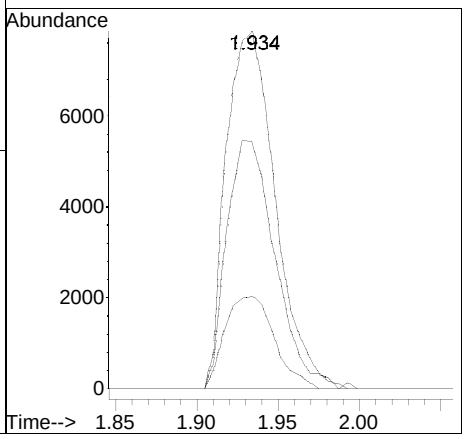


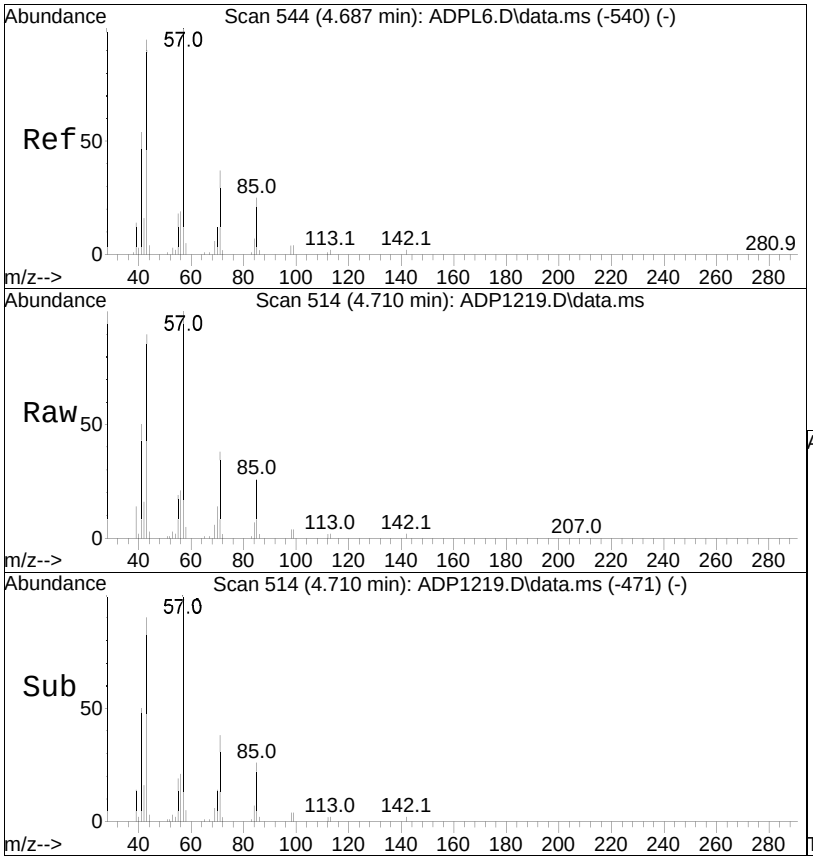


#33
1,4-Dioxane
Concen: 4.51 ug/ml
RT: 1.934 min Scan# 42
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:11 pm

Tgt Ion: 88 Resp: 16441

Ion	Ratio	Lower	Upper
88	100		
58	68.3	44.8	67.2#
43	26.1	22.4	33.6

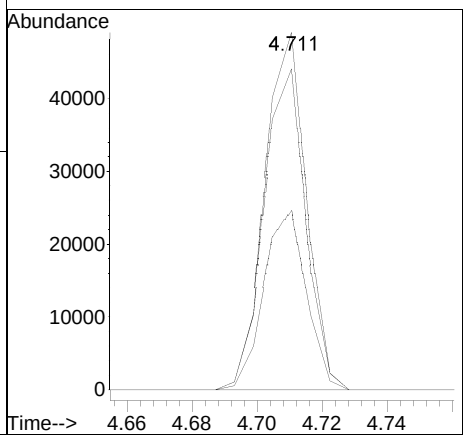


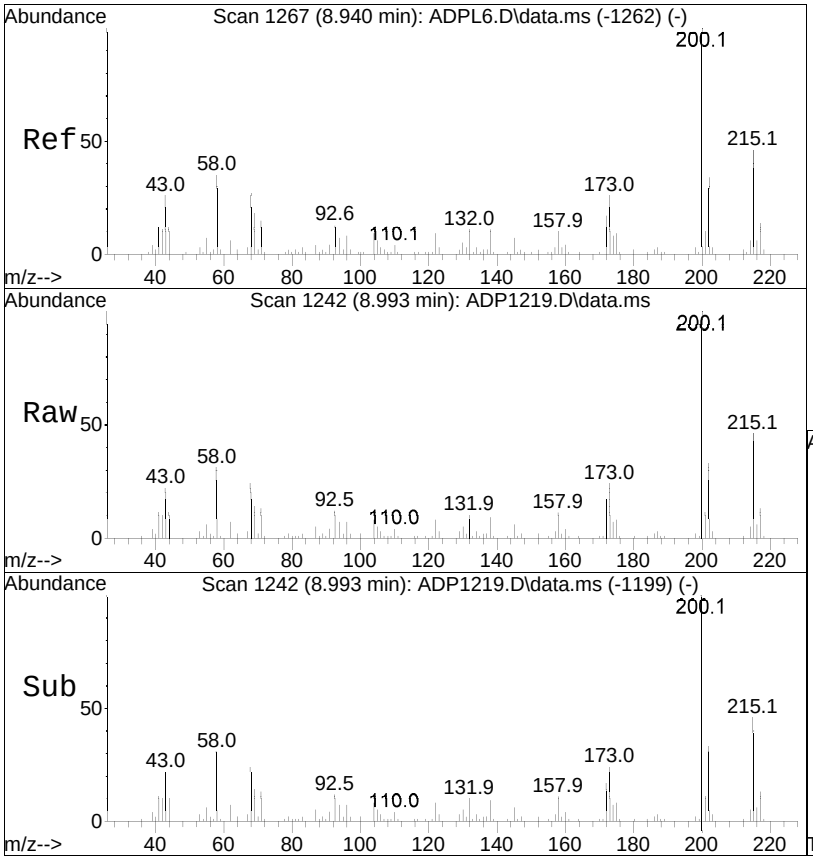


#34
n-Decane
Concen: 4.83 ug/ml
RT: 4.710 min Scan# 514
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:11 pm

Tgt Ion: 57 Resp: 43371

Ion	Ratio	Lower	Upper
57	100		
43	90.5	75.4	113.2
41	51.6	35.0	52.6

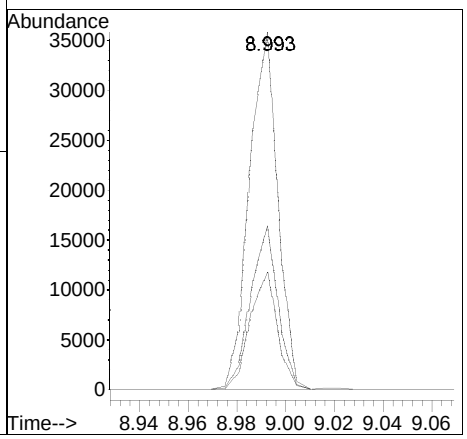


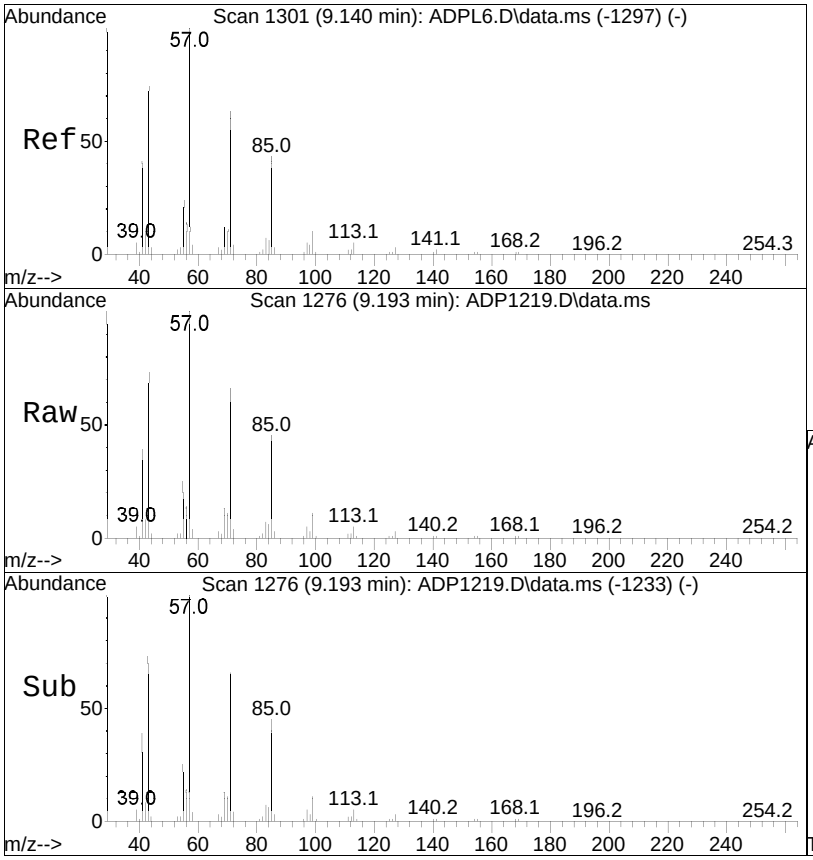


#87
Atrazine
Concen: 4.71 ug/ml
RT: 8.993 min Scan# 1242
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:11 pm

Tgt Ion:200 Resp: 28941

Ion	Ratio	Lower	Upper
200	100		
202	31.6	25.0	37.6
215	43.8	34.5	51.7

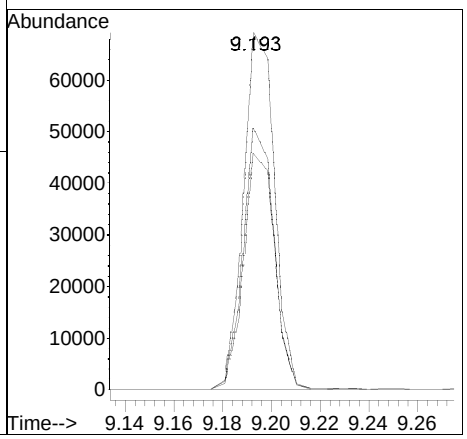


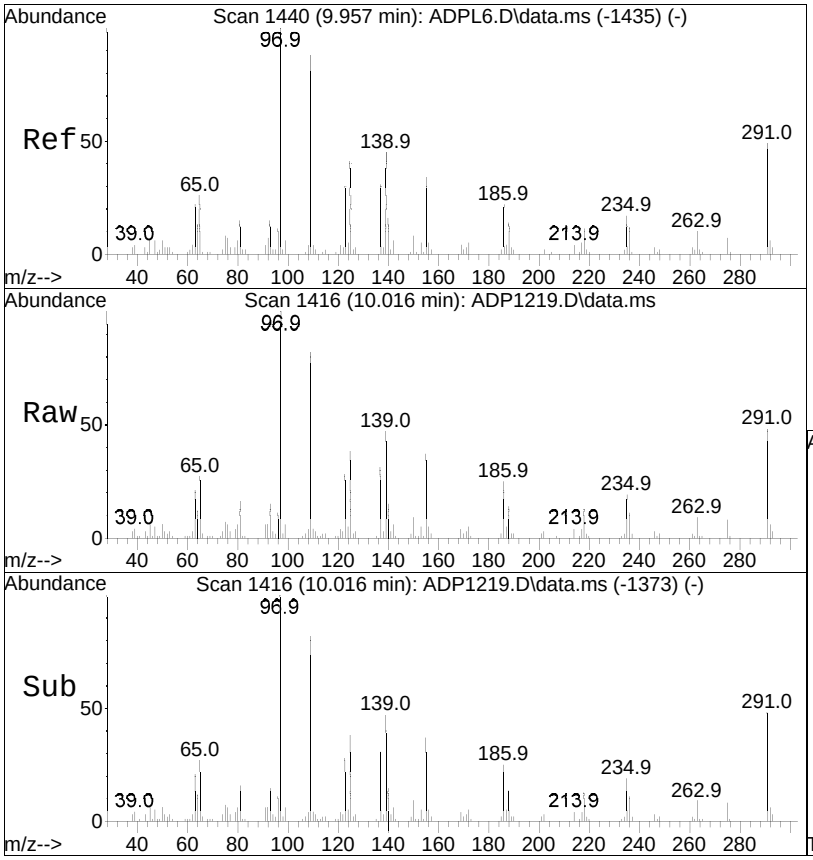


#101
n-Octadecane
Concen: 5.30 ug/ml
RT: 9.193 min Scan# 1276
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:11 pm

Tgt Ion: 57 Resp: 61081

Ion	Ratio	Lower	Upper
57	100		
43	72.3	54.3	81.5
71	66.3	45.1	67.7

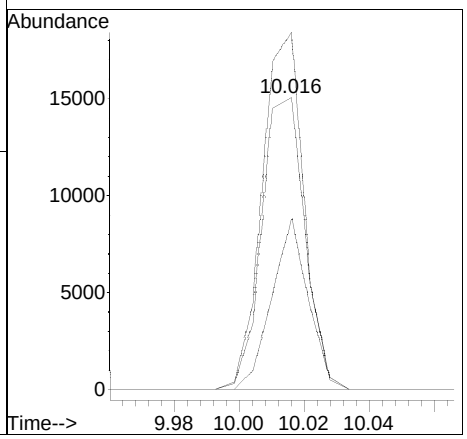


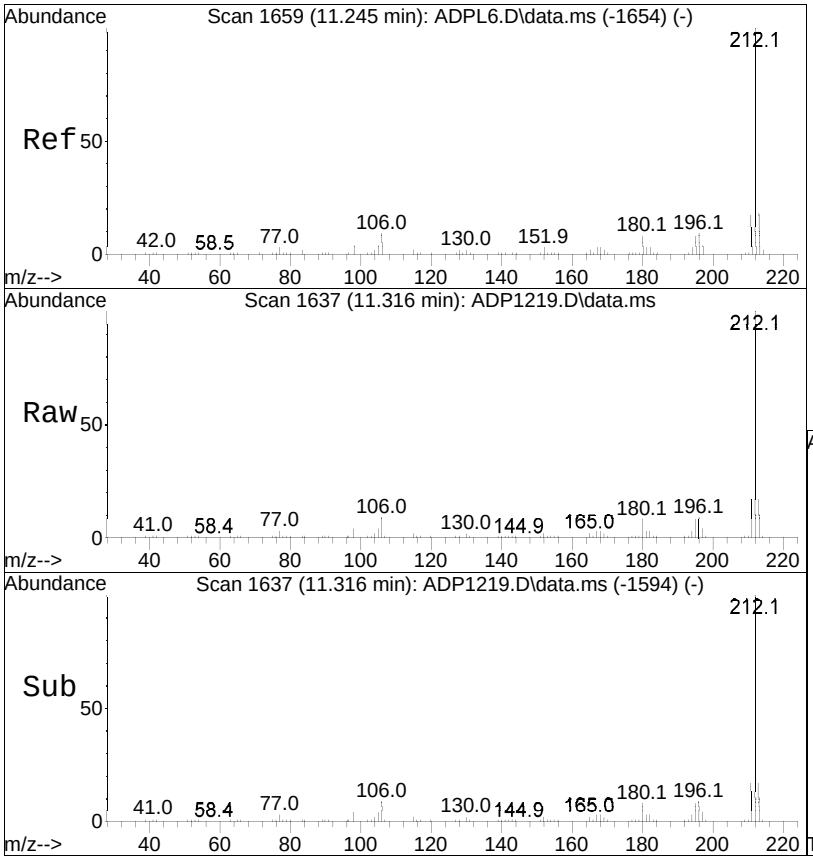


#102
Parathion
Concen: 4.77 ug/ml
RT: 10.016 min Scan# 1416
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:11 pm

Tgt Ion:109 Resp: 13793

Ion	Ratio	Lower	Upper
109	100		
97	118.0	85.4	128.2
291	49.9	25.4	38.2#

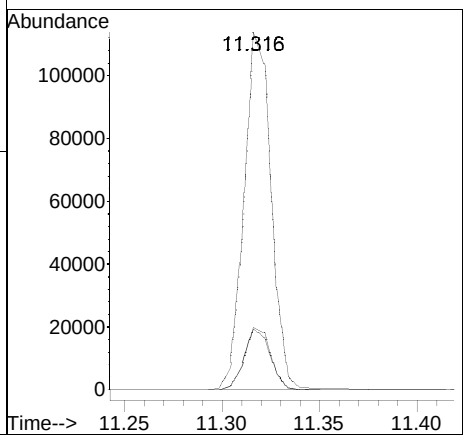




#103
3,3'-Dimethylbenzidine
Concen: 4.72 ug/ml
RT: 11.316 min Scan# 1637
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:11 pm

Tgt Ion:212 Resp: 109098

Ion	Ratio	Lower	Upper
212	100		
211	17.1	13.3	19.9
213	16.3	13.4	20.2



Manual Integration Report

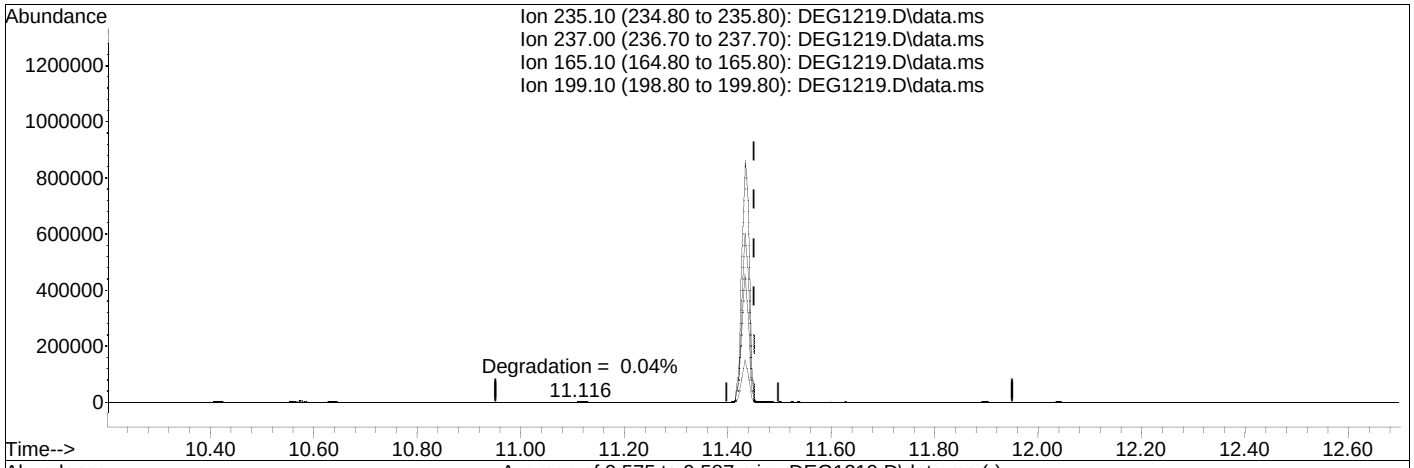
Data Path	: I:\8270\SV112\241219RVT\	QMethod	: FS241215SV112RVT.m
Data File	: ADP1219.D	Operator	: SV112:mrg
Date Inj'd	: 12/19/2024 12:11 pm	Instrument	: SV112
Sample	: WG2011377-5,32,,ADP 11153	Quant Date	: 12/19/2024 12:41 pm

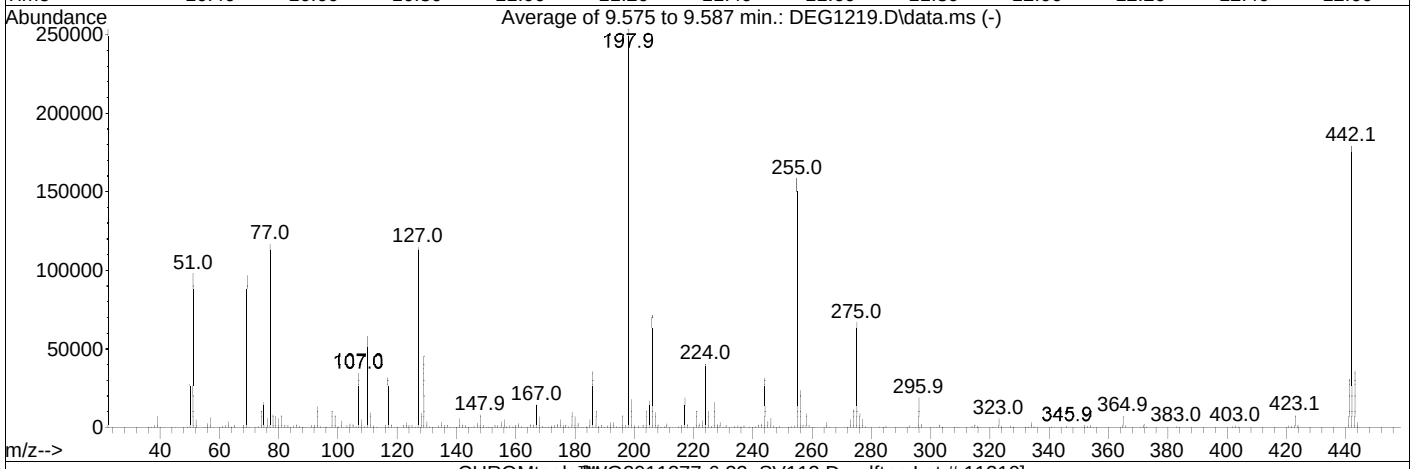
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 10:59 am
Operator : SV112:gmr
Sample : WG2011377-2,32,,SV112 Degdftpp Lot # 11210
Misc : WG2011377,,ical21786
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 19 11:35:47 2024
Quant Method : I:\8270\SV112\241219RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [WG2011377-6,32,,SV112 Degdftpp Lot # 11210]

(6) DDT (T)

11.434min (-0.017) 133.51

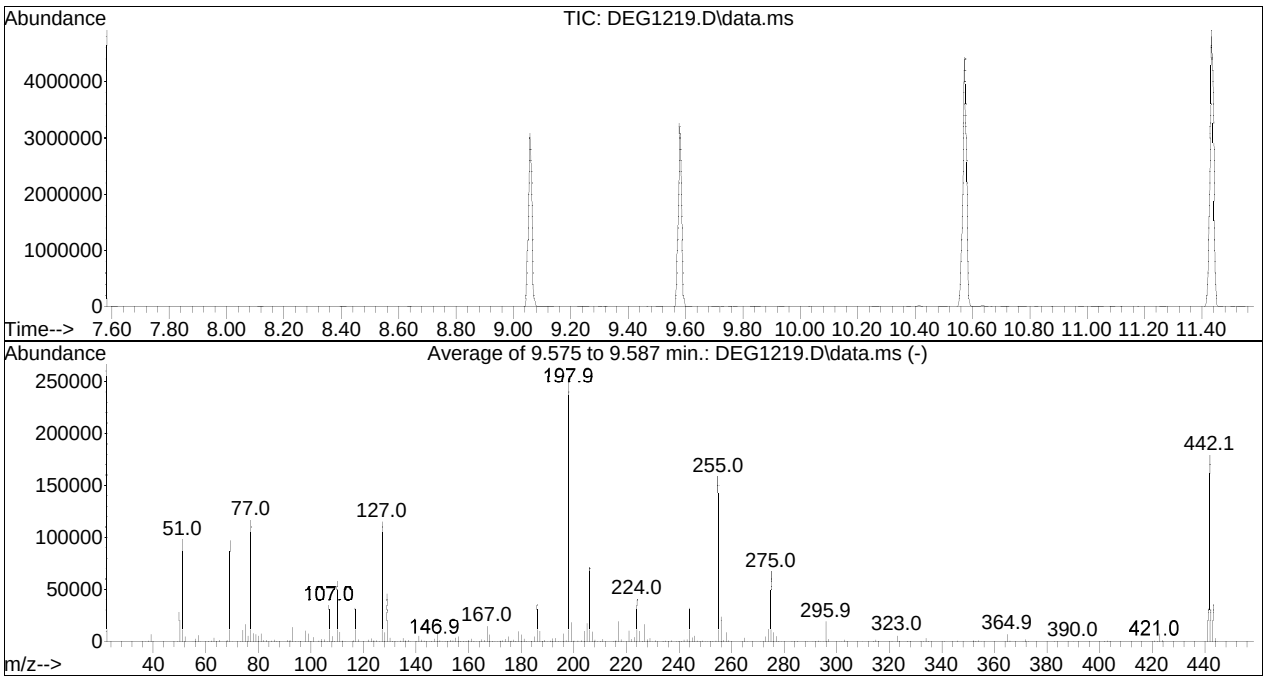
response 813824

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.81
165.10	42.20	49.57
199.10	13.70	16.36

Data Path : I:\8270\SV112\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 10:59 am
Operator : SV112:gmr
Sample : WG2011377-1,32,,SV112 Degdftpp Lot # 11210
Misc : WG2011377,,ical21786
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 19 12:25:16 2024



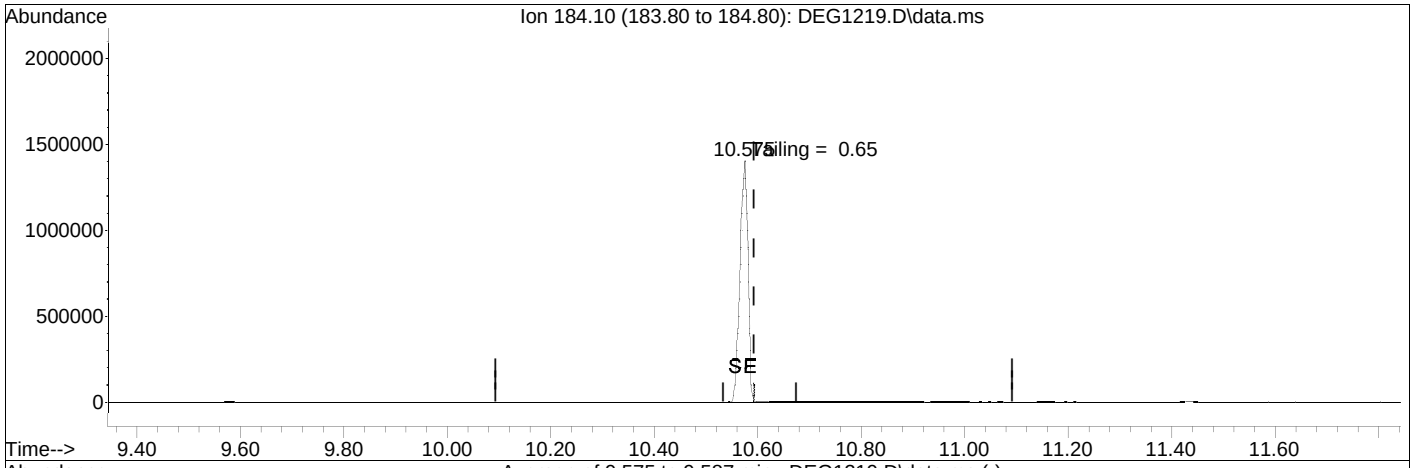
Spectrum Information: Average of 9.575 to 9.587 min.

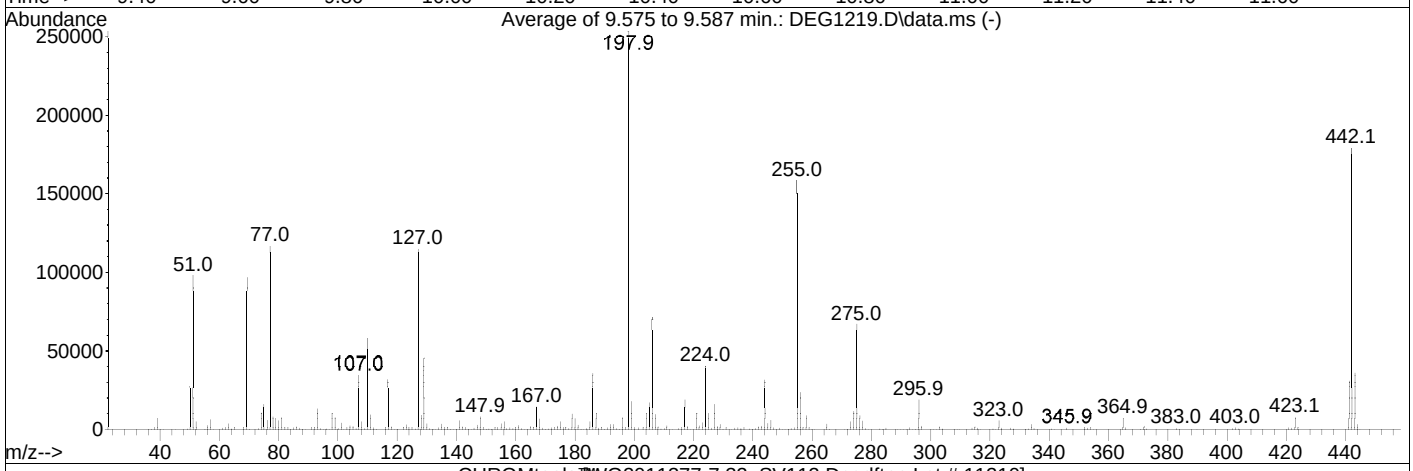
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.6	97888	PASS
68	69	0.00	2	1.8	1708	PASS
69	69	100	100	100.0	96616	PASS
70	69	0.00	2	0.5	506	PASS
127	198	10	80	45.4	115008	PASS
197	198	0.00	2	0.6	1644	PASS
198	198	100	100	100.0	253547	PASS
199	198	5	9	7.0	17862	PASS
275	198	10	60	26.4	66917	PASS
365	198	1	100	2.8	7135	PASS
441	442	0.01	24	17.5	31333	PASS
442	198	50	100	70.6	179029	PASS
443	442	15	24	20.0	35815	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 10:59 am
Operator : SV112:gmr
Sample : WG2011377-6,32,,SV112 Degdftpp Lot # 11210
Misc : WG2011377,,ical21786
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 19 11:35:47 2024
Quant Method : I:\8270\SV112\241219RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools™ [WG2011377-7,32,,SV112 Degdftpp Lot # 11210]

(3) Benzidine (T)

10.575min (-0.018) 138.98

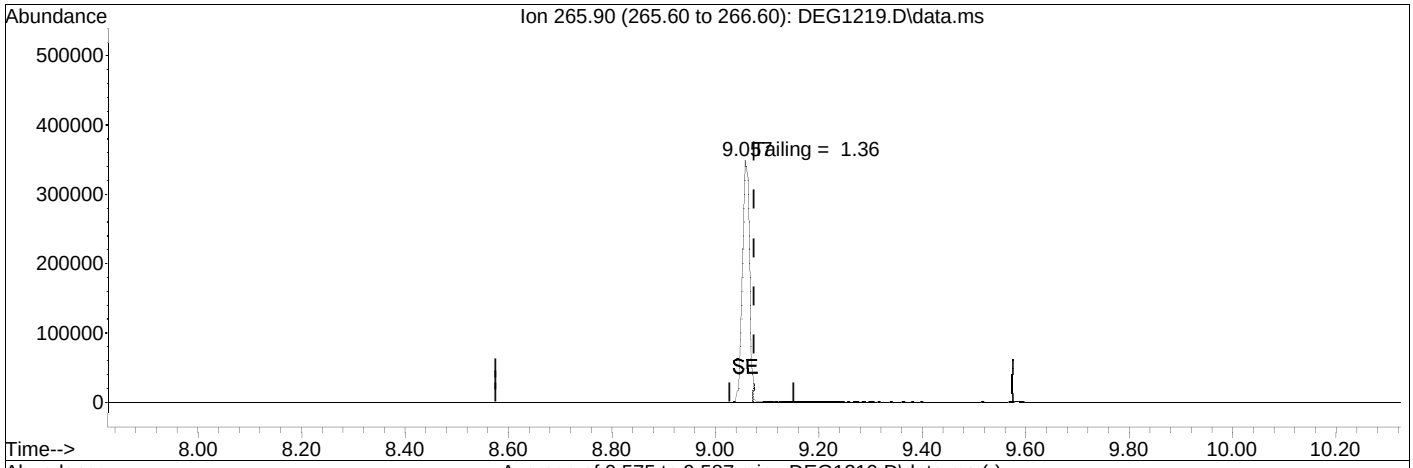
response 1414801

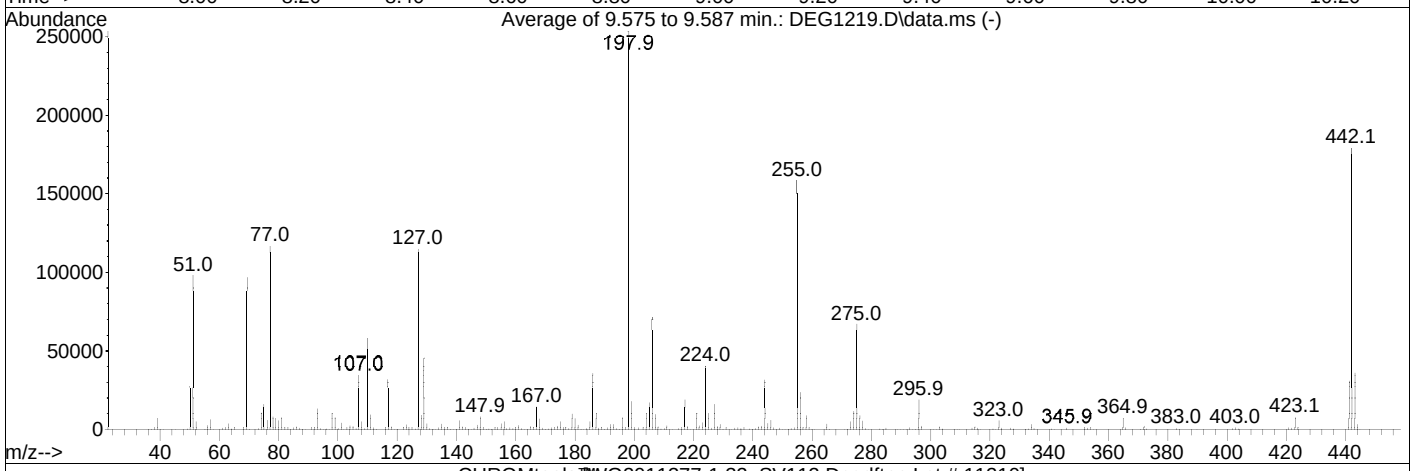
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 10:59 am
Operator : SV112:gmr
Sample : WG2011377-7,32,,SV112 Degdftpp Lot # 11210
Misc : WG2011377,,ical21786
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 19 11:35:47 2024
Quant Method : I:\8270\SV112\241219RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 16 07:07:09 2024
Response via : Initial Calibration





CHROMtools [WG2011377-1,32,,SV112 Degdftpp Lot # 11210]

(1) Pentachlorophenol (T)

9.057min (-0.018) 152.13

response 319529

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.681	-	-8.1	20	101	0
Pyridine	0.954	1.1	-	-15.3	20	100	0
2-Fluorophenol	1.028	1.042	-	-1.4	20	95	0
Aniline	1.567	1.601	-	-2.2	20	96	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	94	0
Phenol-d6	1.317	1.324	-	-0.5	20	95	0
Phenol	1.421	1.432	-	-0.8	20	95	0
Bis(2-chloroethyl)ether	1.017	1.039	-	-2.2	20	98	0
1,3-Dichlorobenzene	1.577	1.535	-	2.7	20	94	0
1,4-Dichlorobenzene	1.61	1.535	-	4.7	20	92	0
1,2-Dichlorobenzene	1.534	1.525	-	0.6	20	96	0
Benzyl alcohol	0.93	1.003	-	-7.8	20	101	0
Bis(2-chloroisopropyl)ethe	1.794	1.982	-	-10.5	20	107	0
2-Methylphenol	1.079	1.082	-	-0.3	20	98	0
Hexachloroethane	0.589	0.585	-	0.7	20	99	0
n-Nitrosodi-n-propylamine	0.863	0.913	-	-5.8	20	103	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	99	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	102	0
Nitrobenzene	1.222	1.323	-	-8.3	20	101	0
Isophorone	2.247	2.387	-	-6.2	20	101	0
2-Nitrophenol	0.619	0.671	-	-8.4	20	103	0
2,4-Dimethylphenol	1.101	1.101	-	0	20	95	0
Bis(2-chloroethoxy)methane	1.4	1.469	-	-4.9	20	100	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	97	0
1,2,4-Trichlorobenzene	1.555	1.47	-	5.5	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.1	1.012	-	8	20	98	0
Benzoic Acid	0.228	0.215	-	5.7	20	103	0
4-Chloroaniline	0.121	0.118	-	2.5	20	99	0
Hexachlorobutadiene	0.258	0.233	-	9.7	20	92	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.713	-	6.3	20	101	0
1-Methylnaphthalene	0.242	0.232	-	4.1	20	99	0
Hexachlorocyclopentadiene	0.272	0.269	-	1.1	20	99	0
2,4,6-Trichlorophenol	0.287	0.279	-	2.8	20	99	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	104	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	98	0
2-Chloronaphthalene	0.852	0.785	-	7.9	20	97	0
2-Nitroaniline	0.218	0.219	-	-0.5	20	100	0
1,4-Dinitrobenzene	0.095	0.098	-	-3.2	20	102	0
1,3-Dinitrobenzene	0.113	0.111	-	1.8	20	96	0
Dimethyl phthalate	0.991	0.959	-	3.2	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/17/24 20:16	
Lab File ID	: ABN1217		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2009957-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.227	-	2	20	102	0
2,6-Dinitrotoluene	0.185	0.183	-	1.1	20	97	0
1,2-Dinitrobenzene	0.066	0.069	-	-4.5	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	103	0
3-Nitroaniline	0.309	0.317	-	-2.6	20	105	0
Acenaphthene	1.163	1.052	-	9.5	20	102	0
2,4-Dinitrophenol	0.188	0.174	-	7.4	20	104	0
Dibenzofuran	2.006	1.773	-	11.6	20	100	0
2,4-Dinitrotoluene	0.387	0.394	-	-1.8	20	101	0
4-Nitrophenol	0.23	0.255	-	-10.9	20	113	0
2,3,5,6-Tetrachlorophenol	0.436	0.429	-	1.6	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	104	0
Diethyl phthalate	1.575	1.487	-	5.6	20	107	0
Fluorene	1.536	1.417	-	7.7	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.689	-	13	20	98	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	102	0
4,6-Dinitro-o-cresol	0.234	0.253	-	-8.1	20	108	0
NDPA/DPA	1.337	1.189	-	11.1	20	100	0
Azobenzene	1.281	1.289	-	-0.6	20	109	0
2,4,6-Tribromophenol	0.286	0.304	-	-6.3	20	115	0
4-Bromophenyl phenyl ether	0.522	0.451	-	13.6	20	98	0
Hexachlorobenzene	0.656	0.605	-	7.8	20	106	0
Pentachlorophenol	0.356	0.379	-	-6.5	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	104	0
Phenanthrene	1.183	1.068	-	9.7	20	102	0
Anthracene	1.16	1.067	-	8	20	103	0
Carbazole	1.064	1.013	-	4.8	20	103	0
Di-n-butylphthalate	1.207	1.196	-	0.9	20	105	0
Fluoranthene	1.422	1.278	-	10.1	20	101	0
Benzidine	0.772	0.732	-	5.2	20	95	0
Pyrene	1.52	1.409	-	7.3	20	103	0
4-Terphenyl-d14	1.157	1.013	-	12.4	20	99	0
Butyl benzyl phthalate	0.517	0.537	-	-3.9	20	107	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.231	-	9.2	20	100	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	99	0
Chrysene	1.349	1.189	-	11.9	20	98	0
Bis(2-ethylhexyl)phthalate	0.726	0.756	-	-4.1	20	104	0
Di-n-octylphthalate	1.212	1.254	-	-3.5	20	104	0
Benzo(b)fluoranthene	1.42	1.331	-	6.3	20	103	0
Benzo(k)fluoranthene	1.383	1.278	-	7.6	20	95	0
Benzo(a)pyrene	1.267	1.205	-	4.9	20	99	0
IS1_Perylene-d12	1	1	-	0	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:16	
Lab File ID	: ABN1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.105	-	10.5	20	95	0
Dibenzo(a,h)anthracene	1.213	1.084	-	10.6	20	94	0
Benzo(ghi)perylene	1.192	1.085	-	9	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 20:39	
Lab File ID	: AP91217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-4		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	0.703	0.781	-	-11.1	20	93	0
Acetophenone	1.403	1.589	-	-13.3	20	99	0
m-Toluidine	1.287	1.401	-	-8.9	20	96	0
2-Chloroaniline	1.368	1.558	-	-13.9	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.25	-	-13.1	20	107	0
3-Chloroaniline	0.115	0.13	-	-13	20	104	0
2,6-Dichlorophenol	0.296	0.323	-	-9.1	20	102	0
1-chloro-2-nitrobenzene	0.113	0.128	-	-13.3	20	102	0
Caprolactam	0.123	0.142	-	-15.4	20	112	0
1,2,4,5-Tetrachlorobenzene	0.413	0.411	-	0.5	20	95	0
Biphenyl	0.842	0.878	-	-4.3	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	101	0
Dichloran	0.169	0.181	-	-7.1	20	110	0
Pentachloronitrobenzene	0.187	0.208	-	-11.2	20	116	0
IS2_Phenanthrene-d10	1	1	-	0	20	105	0
Diphenamid	0.416	0.447	-	-7.5	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/17/24 21:01	
Lab File ID	: ADP1217		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2009957-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
1,4-Dioxane	0.381	0.453	-	-18.9	20	108	0
n-Decane	1.048	1.079	-	-3	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	108	0
Atrazine	0.343	0.343	-	0	20	108	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.334	0.358	-	-7.2	20	119	0
Parathion	5	5.188	-	-3.8	20	129	0
3,3'-Dimethylbenzidine	0.728	0.682	-	6.3	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
n-Nitrosodimethylamine	0.76	0.676	-	11.1	20	64	0
Pyridine	1.219	1.149	-	5.7	20	68	0
2-Fluorophenol	1.245	1.117	-	10.3	20	65	0
Aniline	1.771	1.59	-	10.2	20	63	0
2-Chlorophenol	1.365	1.299	-	4.8	20	67	0
Phenol-d6	1.498	1.314	-	12.3	20	64	0
Phenol	1.555	1.353	-	13	20	62	0
Bis(2-chloroethyl)ether	1.28	1.07	-	16.4	20	59	0
1,3-Dichlorobenzene	1.669	1.511	-	9.5	20	66	0
1,4-Dichlorobenzene	1.7	1.515	-	10.9	20	66	0
1,2-Dichlorobenzene	1.63	1.466	-	10.1	20	65	0
Benzyl alcohol	1.06	0.9	-	15.1	20	61	0
Bis(2-chloroisopropyl)ethe	2.014	1.412	-	29.9*	20	51	0
2-Methylphenol	1.123	1.11	-	1.2	20	70	0
Hexachloroethane	0.614	0.589	-	4.1	20	70	0
n-Nitrosodi-n-propylamine	0.94	0.824	-	12.3	20	61	0
3-Methylphenol/4-Methylphe	1.225	1.159	-	5.4	20	66	0
Nitrobenzene-d5	1.359	1.242	-	8.6	20	65	0
Nitrobenzene	1.389	1.233	-	11.2	20	64	0
Isophorone	2.416	2.048	-	15.2	20	59	0
2-Nitrophenol	0.713	0.691	-	3.1	20	66	0
2,4-Dimethylphenol	1.119	0.945	-	15.5	20	60	0
Bis(2-chloroethoxy)methane	1.614	1.356	-	16	20	59	0
2,4-Dichlorophenol	1.25	1.194	-	4.5	20	66	0
1,2,4-Trichlorobenzene	1.449	1.309	-	9.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	69	0
Naphthalene	1.129	1.011	-	10.5	20	64	0
Benzoic Acid	5	4.589	-	8.2	20	63	0
4-Chloroaniline	0.127	0.108	-	15	20	58	0
Hexachlorobutadiene	0.239	0.237	-	0.8	20	68	0
p-Chloro-m-cresol	0.296	0.284	-	4.1	20	64	0
2-Methylnaphthalene	0.752	0.7	-	6.9	20	65	0
1-Methylnaphthalene	0.243	0.236	-	2.9	20	69	0
Hexachlorocyclopentadiene	0.262	0.263	-	-0.4	20	70	0
2,4,6-Trichlorophenol	0.275	0.263	-	4.4	20	64	0
2,4,5-Trichlorophenol	0.285	0.276	-	3.2	20	66	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	62	0
2-Chloronaphthalene	0.785	0.797	-	-1.5	20	72	0
2-Nitroaniline	0.223	0.238	-	-6.7	20	70	0
1,4-Dinitrobenzene	0.114	0.122	-	-7	20	69	0
1,3-Dinitrobenzene	0.125	0.135	-	-8	20	69	0
Dimethyl phthalate	0.915	0.945	-	-3.3	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/18/24 22:19	
Lab File ID	: ABN1218		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011026-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.214	-	-3.8	20	71	0
2,6-Dinitrotoluene	0.186	0.202	-	-8.6	20	68	0
1,2-Dinitrobenzene	0.081	0.084	-	-3.7	20	68	0
IS1_Acenaphthene-d10	1	1	-	0	20	74	0
3-Nitroaniline	0.323	0.319	-	1.2	20	70	0
Acenaphthene	1.157	1.065	-	8	20	71	0
2,4-Dinitrophenol	5	5.113	-	-2.3	20	74	0
Dibenzofuran	1.872	1.681	-	10.2	20	70	0
2,4-Dinitrotoluene	0.419	0.413	-	1.4	20	70	0
4-Nitrophenol	0.239	0.216	-	9.6	20	62	0
2,3,5,6-Tetrachlorophenol	0.39	0.397	-	-1.8	20	72	0
2,3,4,6-Tetrachlorophenol	0.385	0.388	-	-0.8	20	71	0
Diethyl phthalate	1.518	1.341	-	11.7	20	67	0
Fluorene	1.462	1.357	-	7.2	20	70	0
4-Chlorophenyl phenyl ethe	0.75	0.677	-	9.7	20	69	0
4-Nitroaniline	0.329	0.307	-	6.7	20	68	0
4,6-Dinitro-o-cresol	5	4.505	-	9.9	20	71	0
NDPA/DPA	1.261	1.183	-	6.2	20	69	0
Azobenzene	1.232	1.042	-	15.4	20	62	0
2,4,6-Tribromophenol	0.226	0.224	-	0.9	20	72	0
4-Bromophenyl phenyl ether	0.465	0.427	-	8.2	20	69	0
Hexachlorobenzene	0.526	0.493	-	6.3	20	73	0
Pentachlorophenol	0.319	0.315	-	1.3	20	71	0
IS1_Phenanthrene-d10	1	1	-	0	20	70	0
Phenanthrene	1.174	1.105	-	5.9	20	69	0
Anthracene	1.17	1.104	-	5.6	20	70	0
Carbazole	1.054	1.022	-	3	20	69	0
Di-n-butylphthalate	1.319	1.267	-	3.9	20	66	0
Fluoranthene	1.353	1.334	-	1.4	20	70	0
Benzidine	0.776	0.784	-	-1	20	66	0
Pyrene	1.428	1.393	-	2.5	20	70	0
4-Terphenyl-d14	1.073	1.088	-	-1.4	20	72	0
Butyl benzyl phthalate	0.555	0.579	-	-4.3	20	68	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.379	1.274	-	7.6	20	72	0
3,3'-Dichlorobenzidine	0.453	0.456	-	-0.7	20	73	0
Chrysene	1.324	1.203	-	9.1	20	71	0
Bis(2-ethylhexyl)phthalate	0.828	0.785	-	5.2	20	66	0
Di-n-octylphthalate	1.373	1.372	-	0.1	20	68	0
Benzo(b)fluoranthene	1.331	1.391	-	-4.5	20	81	0
Benzo(k)fluoranthene	1.24	1.214	-	2.1	20	72	0
Benzo(a)pyrene	1.155	1.207	-	-4.5	20	78	0
IS1_Perylene-d12	1	1	-	0	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:19	
Lab File ID	: ABN1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.264	-	-4.2	20	84	0
Dibenzo(a,h)anthracene	1.153	1.199	-	-4	20	83	0
Benzo(ghi)perylene	1.08	1.141	-	-5.6	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 22:43	
Lab File ID	: AP91218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.908	-	4.2	20	78	0
Acetophenone	1.829	1.553	-	15.1	20	72	0
m-Toluidine	1.612	1.484	-	7.9	20	77	0
2-Chloroaniline	1.609	1.49	-	7.4	20	76	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.282	0.213	-	24.5*	20	60	0
3-Chloroaniline	0.132	0.117	-	11.4	20	66	0
2,6-Dichlorophenol	0.3	0.291	-	3	20	74	0
1-chloro-2-nitrobenzene	0.145	0.13	-	10.3	20	71	0
Caprolactam	0.147	0.111	-	24.5*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.366	-	9	20	73	0
Biphenyl	0.907	0.829	-	8.6	20	71	0
IS2_Acenaphthene-d10	1	1	-	0	20	79	0
Dichloran	0.181	0.186	-	-2.8	20	82	0
Pentachloronitrobenzene	0.193	0.2	-	-3.6	20	79	0
IS2_Phenanthrene-d10	1	1	-	0	20	74	0
Diphenamid	0.505	0.511	-	-1.2	20	72	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/18/24 23:07	
Lab File ID	: ADP1218		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011026-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
1,4-Dioxane	0.485	0.426	-	12.2	20	64	0
n-Decane	1.486	1.087	-	26.9*	20	51	0
IS3_Acenaphthene-d10	1	1	-	0	20	64	0
Atrazine	0.415	0.367	-	11.6	20	60	0
IS3_Phenanthrene-d10	1	1	-	0	20	67	0
n-Octadecane	0.485	0.318	-	34.4*	20	44	0
Parathion	5	4.497	-	10.1	20	69	0
3,3'-Dimethylbenzidine	0.821	0.74	-	9.9	20	66	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
n-Nitrosodimethylamine	0.63	0.68	-	-7.9	20	100	0
Pyridine	0.954	1.089	-	-14.2	20	98	0
2-Fluorophenol	1.028	1.003	-	2.4	20	91	0
Aniline	1.567	1.563	-	0.3	20	93	0
2-Chlorophenol	1.225	1.198	-	2.2	20	90	0
Phenol-d6	1.317	1.286	-	2.4	20	92	0
Phenol	1.421	1.426	-	-0.4	20	94	0
Bis(2-chloroethyl)ether	1.017	0.996	-	2.1	20	93	0
1,3-Dichlorobenzene	1.577	1.451	-	8	20	88	0
1,4-Dichlorobenzene	1.61	1.473	-	8.5	20	87	0
1,2-Dichlorobenzene	1.534	1.433	-	6.6	20	89	0
Benzyl alcohol	0.93	0.948	-	-1.9	20	95	0
Bis(2-chloroisopropyl)ethe	1.794	1.967	-	-9.6	20	105	0
2-Methylphenol	1.079	1.055	-	2.2	20	95	0
Hexachloroethane	0.589	0.573	-	2.7	20	96	0
n-Nitrosodi-n-propylamine	0.863	0.871	-	-0.9	20	98	0
3-Methylphenol/4-Methylphe	1.182	1.163	-	1.6	20	96	0
Nitrobenzene-d5	1.195	1.275	-	-6.7	20	99	0
Nitrobenzene	1.222	1.274	-	-4.3	20	97	0
Isophorone	2.247	2.284	-	-1.6	20	96	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	102	0
2,4-Dimethylphenol	1.101	1.041	-	5.4	20	89	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	96	0
2,4-Dichlorophenol	1.285	1.303	-	-1.4	20	95	0
1,2,4-Trichlorobenzene	1.555	1.476	-	5.1	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	1.022	-	7.1	20	95	0
Benzoic Acid	0.228	0.236	-	-3.5	20	109	0
4-Chloroaniline	0.121	0.117	-	3.3	20	94	0
Hexachlorobutadiene	0.258	0.238	-	7.8	20	91	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.712	-	6.4	20	97	0
1-Methylnaphthalene	0.242	0.225	-	7	20	93	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	94	0
2,4,6-Trichlorophenol	0.287	0.286	-	0.3	20	98	0
2,4,5-Trichlorophenol	0.32	0.303	-	5.3	20	96	0
2-Fluorobiphenyl	0.99	0.91	-	8.1	20	95	0
2-Chloronaphthalene	0.852	0.787	-	7.6	20	94	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	97	0
1,4-Dinitrobenzene	0.095	0.1	-	-5.3	20	101	0
1,3-Dinitrobenzene	0.113	0.112	-	0.9	20	93	0
Dimethyl phthalate	0.991	0.958	-	3.3	20	99	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/18/24 23:39	
Lab File ID	: ABN1218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.201	-	4.1	20	97	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	98	0
1,2-Dinitrobenzene	0.066	0.067	-	-1.5	20	91	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.309	0.312	-	-1	20	99	0
Acenaphthene	1.163	1.047	-	10	20	98	0
2,4-Dinitrophenol	0.188	0.159	-	15.4	20	91	0
Dibenzofuran	2.006	1.792	-	10.7	20	97	0
2,4-Dinitrotoluene	0.387	0.399	-	-3.1	20	98	0
4-Nitrophenol	0.23	0.256	-	-11.3	20	109	0
2,3,5,6-Tetrachlorophenol	0.436	0.446	-	-2.3	20	104	0
2,3,4,6-Tetrachlorophenol	0.428	0.425	-	0.7	20	102	0
Diethyl phthalate	1.575	1.454	-	7.7	20	100	0
Fluorene	1.536	1.393	-	9.3	20	97	0
4-Chlorophenyl phenyl ethe	0.792	0.688	-	13.1	20	94	0
4-Nitroaniline	0.299	0.307	-	-2.7	20	97	0
4,6-Dinitro-o-cresol	0.234	0.239	-	-2.1	20	98	0
NDPA/DPA	1.337	1.189	-	11.1	20	97	0
Azobenzene	1.281	1.283	-	-0.2	20	105	0
2,4,6-Tribromophenol	0.286	0.307	-	-7.3	20	112	0
4-Bromophenyl phenyl ether	0.522	0.466	-	10.7	20	98	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	101	0
Pentachlorophenol	0.356	0.39	-	-9.6	20	108	0
IS1_Phenanthrene-d10	1	1	-	0	20	99	0
Phenanthrene	1.183	1.073	-	9.3	20	98	0
Anthracene	1.16	1.075	-	7.3	20	98	0
Carbazole	1.064	0.995	-	6.5	20	97	0
Di-n-butylphthalate	1.207	1.213	-	-0.5	20	101	0
Fluoranthene	1.422	1.325	-	6.8	20	99	0
Benzidine	0.772	0.732	-	5.2	20	91	0
Pyrene	1.52	1.42	-	6.6	20	98	0
4-Terphenyl-d14	1.157	1.011	-	12.6	20	94	0
Butyl benzyl phthalate	0.517	0.538	-	-4.1	20	102	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.355	1.227	-	9.4	20	95	0
3,3'-Dichlorobenzidine	0.505	0.488	-	3.4	20	94	0
Chrysene	1.349	1.175	-	12.9	20	93	0
Bis(2-ethylhexyl)phthalate	0.726	0.762	-	-5	20	101	0
Di-n-octylphthalate	1.212	1.246	-	-2.8	20	99	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	96	0
Benzo(k)fluoranthene	1.383	1.275	-	7.8	20	91	0
Benzo(a)pyrene	1.267	1.169	-	7.7	20	92	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/18/24 23:39	
Lab File ID	: ABN1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.087	-	11.9	20	90	0
Dibenzo(a,h)anthracene	1.213	1.062	-	12.4	20	88	0
Benzo(ghi)perylene	1.192	1.064	-	10.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: DAKOTA		Calibration Date	: 12/19/24 00:02	
Lab File ID	: AP91218N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2011025-4		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
Benzaldehyde	0.703	0.759	-	-8	20	86	0
Acetophenone	1.403	1.597	-	-13.8	20	95	0
m-Toluidine	1.287	1.445	-	-12.3	20	95	0
2-Chloroaniline	1.368	1.563	-	-14.3	20	95	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.243	-	-10	20	100	0
3-Chloroaniline	0.115	0.129	-	-12.2	20	100	0
2,6-Dichlorophenol	0.296	0.327	-	-10.5	20	99	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	100	0
Caprolactam	0.123	0.136	-	-10.6	20	104	0
1,2,4,5-Tetrachlorobenzene	0.413	0.414	-	-0.2	20	92	0
Biphenyl	0.842	0.882	-	-4.8	20	95	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.182	-	-7.7	20	106	0
Pentachloronitrobenzene	0.187	0.211	-	-12.8	20	113	0
IS2_Phenanthrene-d10	1	1	-	0	20	99	0
Diphenamid	0.416	0.452	-	-8.7	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/19/24 00:24	
Lab File ID	: ADP1218N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2011025-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
1,4-Dioxane	0.381	0.413	-	-8.4	20	95	0
n-Decane	1.048	1.085	-	-3.5	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	102	0
Atrazine	0.343	0.337	-	1.7	20	101	0
IS3_Phenanthrene-d10	1	1	-	0	20	104	0
n-Octadecane	0.334	0.36	-	-7.8	20	113	0
Parathion	5	5.121	-	-2.4	20	120	0
3,3'-Dimethylbenzidine	0.728	0.677	-	7	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
n-Nitrosodimethylamine	0.739	0.736	-	0.4	20	117	0
Pyridine	1.143	1.211	-	-5.9	20	116	0
2-Fluorophenol	1.117	1.124	-	-0.6	20	117	0
Aniline	1.761	1.83	-	-3.9	20	119	0
2-Chlorophenol	1.265	1.316	-	-4	20	120	0
Phenol-d6	1.415	1.42	-	-0.4	20	117	0
Phenol	1.604	1.684	-	-5	20	120	0
Bis(2-chloroethyl)ether	1.219	1.254	-	-2.9	20	120	0
1,3-Dichlorobenzene	1.548	1.57	-	-1.4	20	120	0
1,4-Dichlorobenzene	1.564	1.564	-	0	20	117	0
1,2-Dichlorobenzene	1.522	1.525	-	-0.2	20	119	0
Benzyl alcohol	0.988	1.024	-	-3.6	20	118	0
Bis(2-chloroisopropyl)ethe	1.452	1.537	-	-5.9	20	120	0
2-Methylphenol	1.084	1.141	-	-5.3	20	123	0
Hexachloroethane	0.591	0.609	-	-3	20	122	0
n-Nitrosodi-n-propylamine	0.893	0.913	-	-2.2	20	122	0
3-Methylphenol/4-Methylphe	1.179	1.229	-	-4.2	20	119	0
Nitrobenzene-d5	1.273	1.334	-	-4.8	20	119	0
Nitrobenzene	1.315	1.357	-	-3.2	20	118	0
Isophorone	2.342	2.399	-	-2.4	20	114	0
2-Nitrophenol	0.614	0.686	-	-11.7	20	124	0
2,4-Dimethylphenol	1.099	1.189	-	-8.2	20	123	0
Bis(2-chloroethoxy)methane	1.615	1.659	-	-2.7	20	117	0
2,4-Dichlorophenol	1.203	1.261	-	-4.8	20	117	0
1,2,4-Trichlorobenzene	1.483	1.478	-	0.3	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	113	0
Naphthalene	1.049	1.077	-	-2.7	20	118	0
Benzoic Acid	0.249	0.212	-	14.9	20	109	0
4-Chloroaniline	0.123	0.131	-	-6.5	20	119	0
Hexachlorobutadiene	0.259	0.255	-	1.5	20	118	0
p-Chloro-m-cresol	0.285	0.303	-	-6.3	20	120	0
2-Methylnaphthalene	0.727	0.722	-	0.7	20	117	0
1-Methylnaphthalene	0.245	0.241	-	1.6	20	119	0
Hexachlorocyclopentadiene	0.27	0.294	-	-8.9	20	128	0
2,4,6-Trichlorophenol	0.267	0.286	-	-7.1	20	121	0
2,4,5-Trichlorophenol	0.286	0.302	-	-5.6	20	119	0
2-Fluorobiphenyl	0.914	0.91	-	0.4	20	116	0
2-Chloronaphthalene	0.774	0.767	-	0.9	20	115	0
2-Nitroaniline	0.202	0.212	-	-5	20	120	0
1,4-Dinitrobenzene	0.111	0.114	-	-2.7	20	119	0
1,3-Dinitrobenzene	0.126	0.131	-	-4	20	119	0
Dimethyl phthalate	0.917	0.926	-	-1	20	115	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV112		Calibration Date	: 12/19/24 11:24	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 12/15/24	12/16/24
Sample No	: WG2011377-3		Init. Calib. Times	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.09	1.172	-	-7.5	20	118	0
2,6-Dinitrotoluene	0.175	0.194	-	-10.9	20	120	0
1,2-Dinitrobenzene	0.078	0.083	-	-6.4	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	114	0
3-Nitroaniline	0.313	0.322	-	-2.9	20	115	0
Acenaphthene	1.122	1.112	-	0.9	20	120	0
2,4-Dinitrophenol	5	4.934	-	1.3	20	135	0
Dibenzofuran	1.899	1.853	-	2.4	20	116	0
2,4-Dinitrotoluene	0.392	0.435	-	-11	20	118	0
4-Nitrophenol	0.245	0.257	-	-4.9	20	115	0
2,3,5,6-Tetrachlorophenol	0.412	0.44	-	-6.8	20	116	0
2,3,4,6-Tetrachlorophenol	0.402	0.434	-	-8	20	119	0
Diethyl phthalate	1.471	1.486	-	-1	20	113	0
Fluorene	1.446	1.445	-	0.1	20	116	0
4-Chlorophenyl phenyl ethe	0.792	0.754	-	4.8	20	114	0
4-Nitroaniline	0.311	0.339	-	-9	20	120	0
4,6-Dinitro-o-cresol	5	4.921	-	1.6	20	125	0
NDPA/DPA	1.205	1.252	-	-3.9	20	118	0
Azobenzene	1.314	1.395	-	-6.2	20	119	0
2,4,6-Tribromophenol	0.244	0.256	-	-4.9	20	121	0
4-Bromophenyl phenyl ether	0.505	0.497	-	1.6	20	118	0
Hexachlorobenzene	0.616	0.583	-	5.4	20	116	0
Pentachlorophenol	0.335	0.364	-	-8.7	20	120	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.122	1.093	-	2.6	20	115	0
Anthracene	1.087	1.103	-	-1.5	20	118	0
Carbazole	0.982	1.023	-	-4.2	20	117	0
Di-n-butylphthalate	1.059	1.159	-	-9.4	20	117	0
Fluoranthene	1.298	1.332	-	-2.6	20	117	0
Benzidine	0.667	0.777	-	-16.5	20	129	0
Pyrene	1.363	1.416	-	-3.9	20	116	0
4-Terphenyl-d14	1.068	1.105	-	-3.5	20	119	0
Butyl benzyl phthalate	0.471	0.525	-	-11.5	20	124	0
IS1_Chrysene-d12	1	1	-	0	20	117	0
Benzo(a)anthracene	1.25	1.273	-	-1.8	20	118	0
3,3'-Dichlorobenzidine	0.439	0.473	-	-7.7	20	121	0
Chrysene	1.276	1.215	-	4.8	20	118	0
Bis(2-ethylhexyl)phthalate	0.62	0.71	-	-14.5	20	122	0
Di-n-octylphthalate	0.957	1.155	-	-20.7*	20	126	0
Benzo(b)fluoranthene	1.3	1.286	-	1.1	20	109	0
Benzo(k)fluoranthene	1.194	1.322	-	-10.7	20	128	0
Benzo(a)pyrene	1.116	1.191	-	-6.7	20	119	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:24	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-3		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.157	1.176	-	-1.6	20	119	0
Dibenzo(a,h)anthracene	1.089	1.142	-	-4.9	20	123	0
Benzo(ghi)perylene	1.086	1.093	-	-0.6	20	123	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
n-Nitrosodimethylamine	0.76	0.706	-	7.1	20	81	0
Pyridine	1.219	1.054	-	13.5	20	75	0
2-Fluorophenol	1.245	1.129	-	9.3	20	79	0
Aniline	1.771	1.619	-	8.6	20	77	0
2-Chlorophenol	1.365	1.333	-	2.3	20	83	0
Phenol-d6	1.498	1.355	-	9.5	20	80	0
Phenol	1.555	1.771	-	-13.9	20	97	0
Bis(2-chloroethyl)ether	1.28	1.091	-	14.8	20	73	0
1,3-Dichlorobenzene	1.669	1.566	-	6.2	20	83	0
1,4-Dichlorobenzene	1.7	1.588	-	6.6	20	83	0
1,2-Dichlorobenzene	1.63	1.597	-	2	20	86	0
Benzyl alcohol	1.06	0.978	-	7.7	20	79	0
Bis(2-chloroisopropyl)ethe	2.014	1.164	-	42.2*	20	51	0
2-Methylphenol	1.123	1.071	-	4.6	20	81	0
Hexachloroethane	0.614	0.555	-	9.6	20	80	0
n-Nitrosodi-n-propylamine	0.94	0.785	-	16.5	20	71	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	79	0
Nitrobenzene-d5	1.359	1.187	-	12.7	20	75	0
Nitrobenzene	1.389	1.194	-	14	20	74	0
Isophorone	2.416	2.102	-	13	20	73	0
2-Nitrophenol	0.713	0.766	-	-7.4	20	88	0
2,4-Dimethylphenol	1.119	1.147	-	-2.5	20	88	0
Bis(2-chloroethoxy)methane	1.614	1.481	-	8.2	20	78	0
2,4-Dichlorophenol	1.25	1.242	-	0.6	20	82	0
1,2,4-Trichlorobenzene	1.449	1.475	-	-1.8	20	90	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.129	1.044	-	7.5	20	86	0
Benzoic Acid	5	4.91	-	1.8	20	89	0
4-Chloroaniline	0.127	0.104	-	18.1	20	72	0
Hexachlorobutadiene	0.239	0.225	-	5.9	20	84	0
p-Chloro-m-cresol	0.296	0.28	-	5.4	20	82	0
2-Methylnaphthalene	0.752	0.669	-	11	20	80	0
1-Methylnaphthalene	0.243	0.227	-	6.6	20	86	0
Hexachlorocyclopentadiene	0.262	0.259	-	1.1	20	89	0
2,4,6-Trichlorophenol	0.275	0.26	-	5.5	20	81	0
2,4,5-Trichlorophenol	0.285	0.264	-	7.4	20	82	0
2-Fluorobiphenyl	0.926	0.825	-	10.9	20	80	0
2-Chloronaphthalene	0.785	0.706	-	10.1	20	82	0
2-Nitroaniline	0.223	0.209	-	6.3	20	80	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	81	0
1,3-Dinitrobenzene	0.125	0.122	-	2.4	20	80	0
Dimethyl phthalate	0.915	0.832	-	9.1	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV106		Calibration Date	: 12/19/24 11:28	
Lab File ID	: ABN1219		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG2011391-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.051	-	10.2	20	80	0
2,6-Dinitrotoluene	0.186	0.182	-	2.2	20	80	0
1,2-Dinitrobenzene	0.081	0.074	-	8.6	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	81	0
3-Nitroaniline	0.323	0.337	-	-4.3	20	82	0
Acenaphthene	1.157	1.098	-	5.1	20	81	0
2,4-Dinitrophenol	5	4.801	-	4	20	76	0
Dibenzofuran	1.872	1.739	-	7.1	20	80	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	79	0
4-Nitrophenol	0.239	0.212	-	11.3	20	67	0
2,3,5,6-Tetrachlorophenol	0.39	0.413	-	-5.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.385	0.398	-	-3.4	20	81	0
Diethyl phthalate	1.518	1.407	-	7.3	20	77	0
Fluorene	1.462	1.407	-	3.8	20	80	0
4-Chlorophenyl phenyl ethe	0.75	0.716	-	4.5	20	81	0
4-Nitroaniline	0.329	0.324	-	1.5	20	79	0
4,6-Dinitro-o-cresol	5	4.797	-	4.1	20	84	0
NDPA/DPA	1.261	1.216	-	3.6	20	79	0
Azobenzene	1.232	1.035	-	16	20	68	0
2,4,6-Tribromophenol	0.226	0.241	-	-6.6	20	85	0
4-Bromophenyl phenyl ether	0.465	0.466	-	-0.2	20	83	0
Hexachlorobenzene	0.526	0.532	-	-1.1	20	87	0
Pentachlorophenol	0.319	0.332	-	-4.1	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.174	1.077	-	8.3	20	78	0
Anthracene	1.17	1.099	-	6.1	20	80	0
Carbazole	1.054	0.987	-	6.4	20	77	0
Di-n-butylphthalate	1.319	1.272	-	3.6	20	77	0
Fluoranthene	1.353	1.288	-	4.8	20	78	0
Benzidine	0.776	0.812	-	-4.6	20	79	0
Pyrene	1.428	1.356	-	5	20	78	0
4-Terphenyl-d14	1.073	1.049	-	2.2	20	81	0
Butyl benzyl phthalate	0.555	0.595	-	-7.2	20	81	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.379	1.318	-	4.4	20	82	0
3,3'-Dichlorobenzidine	0.453	0.48	-	-6	20	84	0
Chrysene	1.324	1.244	-	6	20	81	0
Bis(2-ethylhexyl)phthalate	0.828	0.86	-	-3.9	20	78	0
Di-n-octylphthalate	1.373	1.53	-	-11.4	20	83	0
Benzo(b)fluoranthene	1.331	1.444	-	-8.5	20	92	0
Benzo(k)fluoranthene	1.24	1.231	-	0.7	20	80	0
Benzo(a)pyrene	1.155	1.253	-	-8.5	20	88	0
IS1_Perylene-d12	1	1	-	0	20	88	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:28	
Lab File ID	: ABN1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.233	-	-1.6	20	90	0
Dibenzo(a,h)anthracene	1.153	1.189	-	-3.1	20	90	0
Benzo(ghi)perylene	1.08	1.127	-	-4.4	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 11:47	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-4		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	131	0
Benzaldehyde	0.832	0.794	-	4.6	20	134	0
Acetophenone	1.813	1.571	-	13.3	20	125	0
m-Toluidine	1.357	1.4	-	-3.2	20	136	0
2-Chloroaniline	1.57	1.444	-	8	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.253	0.252	-	0.4	20	141	0
3-Chloroaniline	0.13	0.127	-	2.3	20	127	0
2,6-Dichlorophenol	0.312	0.299	-	4.2	20	128	0
1-chloro-2-nitrobenzene	0.141	0.136	-	3.5	20	130	0
Caprolactam	5	4.351	-	13	20	130	0
1,2,4,5-Tetrachlorobenzene	0.468	0.405	-	13.5	20	122	0
Biphenyl	0.969	0.856	-	11.7	20	123	0
IS2_Acenaphthene-d10	1	1	-	0	20	134	0
Dichloran	0.169	0.17	-	-0.6	20	141	0
Pentachloronitrobenzene	0.19	0.19	-	0	20	136	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.455	0.438	-	3.7	20	132	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 11:52	
Lab File ID	: AP91219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-4		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Benzaldehyde	0.948	0.79	-	16.7	20	68	0
Acetophenone	1.829	1.611	-	11.9	20	75	0
m-Toluidine	1.612	1.395	-	13.5	20	72	0
2-Chloroaniline	1.609	1.524	-	5.3	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.282	0.201	-	28.7*	20	61	0
3-Chloroaniline	0.132	0.104	-	21.2*	20	64	0
2,6-Dichlorophenol	0.3	0.277	-	7.7	20	76	0
1-chloro-2-nitrobenzene	0.145	0.132	-	9	20	77	0
Caprolactam	0.147	0.104	-	29.3*	20	59	0
1,2,4,5-Tetrachlorobenzene	0.402	0.372	-	7.5	20	80	0
Biphenyl	0.907	0.822	-	9.4	20	76	0
IS2_Acenaphthene-d10	1	1	-	0	20	88	0
Dichloran	0.181	0.183	-	-1.1	20	90	0
Pentachloronitrobenzene	0.193	0.195	-	-1	20	86	0
IS2_Phenanthrene-d10	1	1	-	0	20	85	0
Diphenamid	0.505	0.517	-	-2.4	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV112		**Calibration Date**	: 12/19/24 12:11	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 12/15/24	12/16/24
Sample No	: WG2011377-5		**Init. Calib. Times**	: 21:56	09:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
1,4-Dioxane	0.487	0.439	-	9.9	20	112	0
n-Decane	1.199	1.158	-	3.4	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	118	0
Atrazine	0.372	0.35	-	5.9	20	115	0
IS3_Phenanthrene-d10	1	1	-	0	20	116	0
n-Octadecane	0.315	0.334	-	-6	20	121	0
Parathion	5	4.771	-	4.6	20	125	0
3,3'-Dimethylbenzidine	5	4.723	-	5.5	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV106		**Calibration Date**	: 12/19/24 12:15	
Lab File ID	: ADP1219		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG2011391-5		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.485	0.376	-	22.5*	20	73	0
n-Decane	1.486	1.059	-	28.7*	20	64	0
IS3_Acenaphthene-d10	1	1	-	0	20	85	0
Atrazine	0.415	0.347	-	16.4	20	75	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.485	0.33	-	32*	20	58	0
Parathion	5	4.737	-	5.3	20	91	0
3,3'-Dimethylbenzidine	0.821	0.733	-	10.7	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	86	0.00
2	t	n-Nitrosodimethylamine		0.760	0.706	7.1	81	0.00
3	t	Pyridine		1.219	1.054	13.5	75	0.00
4	S	2-Fluorophenol		1.245	1.129	9.3	79	0.00
5	T	Aniline		1.771	1.619	8.6	77	0.00
6	t	2-Chlorophenol		1.365	1.333	2.3	83	0.00
7	S	Phenol-d6		1.498	1.355	9.5	80	0.00
8	T	Phenol		1.555	1.771	-13.9	97	0.00
9	T	Bis(2-chloroethyl)ether		1.280	1.091	14.8	73	0.00
10	T	1,3-Dichlorobenzene		1.669	1.566	6.2	83	0.00
11	T	1,4-Dichlorobenzene		1.700	1.588	6.6	83	0.00
12	T	1,2-Dichlorobenzene		1.630	1.597	2.0	86	0.00
13	t	Benzyl alcohol		1.060	0.978	7.7	79	0.00
14	T	Bis(2-chloroisopropyl)ether		2.014	1.164	42.2#	51	0.00
15	T	2-Methylphenol		1.123	1.071	4.6	81	0.00
16	T	Hexachloroethane		0.614	0.555	9.6	80	0.00
17	T	n-Nitrosodi-n-propylamine		0.940	0.785	16.5	71	0.00
18	T	3-Methylphenol/4-Methylphen		1.225	1.147	6.4	79	0.00
19	S	Nitrobenzene-d5		1.359	1.187	12.7	75	0.00
20	T	Nitrobenzene		1.389	1.194	14.0	74	0.00
21	T	Isophorone		2.416	2.102	13.0	73	0.00
22	T	2-Nitrophenol		0.713	0.766	-7.4	88	0.00
23	T	2,4-Dimethylphenol		1.119	1.147	-2.5	88	0.00
24	T	Bis(2-chloroethoxy)methane		1.614	1.481	8.2	78	0.00
25	T	2,4-Dichlorophenol		1.250	1.242	0.6	82	0.00
26	T	1,2,4-Trichlorobenzene		1.449	1.475	-1.8	90	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	89	0.00
36	T	Naphthalene		1.129	1.044	7.5	86	0.00
37	T	Benzoic Acid	*	5.000	4.910	1.8	89	0.00
38	T	4-Chloroaniline		0.127	0.104	18.1	72	0.00
39	T	Hexachlorobutadiene		0.239	0.225	5.9	84	0.00
40	T	p-Chloro-m-cresol		0.296	0.280	5.4	82	0.00
41	T	2-Methylnaphthalene		0.752	0.669	11.0	80	0.00
42	T	1-Methylnaphthalene		0.243	0.227	6.6	86	0.00
43	T	Hexachlorocyclopentadiene		0.262	0.259	1.1	89	0.00
44	T	2,4,6-Trichlorophenol		0.275	0.260	5.5	81	0.00
45	T	2,4,5-Trichlorophenol		0.285	0.264	7.4	82	0.00
46	S	2-Fluorobiphenyl		0.926	0.825	10.9	80	0.00

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.785	0.706	10.1	82	0.00
48	T	2-Nitroaniline		0.223	0.209	6.3	80	0.00
49	T	1,4-Dinitrobenzene		0.114	0.110	3.5	81	0.00
50	T	1,3-Dinitrobenzene		0.125	0.122	2.4	80	0.00
51	T	Dimethyl phthalate		0.915	0.832	9.1	79	0.00
52	T	Acenaphthylene		1.170	1.051	10.2	80	0.00
53	T	2,6-Dinitrotoluene		0.186	0.182	2.2	80	0.00
54	T	1,2-Dinitrobenzene		0.081	0.074	8.6	77	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	81	0.00
64	T	3-Nitroaniline		0.323	0.337	-4.3	82	0.00
65	T	Acenaphthene		1.157	1.098	5.1	81	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.801	4.0	76	0.00
67	T	Dibenzofuran		1.872	1.739	7.1	80	0.00
68	T	2,4-Dinitrotoluene		0.419	0.423	-1.0	79	0.00
69	T	4-Nitrophenol		0.239	0.212	11.3	67	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.390	0.413	-5.9	83	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.385	0.398	-3.4	81	0.00
72	T	Diethyl phthalate		1.518	1.407	7.3	77	0.00
73	T	Fluorene		1.462	1.407	3.8	80	0.00
74	T	4-Chlorophenyl phenyl ether		0.750	0.716	4.5	81	0.00
75	T	4-Nitroaniline		0.329	0.324	1.5	79	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.797	4.1	84	0.00
77	T	NDPA/DPA		1.261	1.216	3.6	79	0.00
78	T	Azobenzene		1.232	1.035	16.0	68	0.00
79	S	2,4,6-Tribromophenol		0.226	0.241	-6.6	85	0.00
80	T	4-Bromophenyl phenyl ether		0.465	0.466	-0.2	83	0.00
81	T	Hexachlorobenzene		0.526	0.532	-1.1	87	0.00
82	T	Pentachlorophenol		0.319	0.332	-4.1	83	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	81	0.00
89	T	Phenanthrene		1.174	1.077	8.3	78	0.00
90	T	Anthracene		1.170	1.099	6.1	80	0.00
91	T	Carbazole		1.054	0.987	6.4	77	0.00
92	T	Di-n-butylphthalate		1.319	1.272	3.6	77	0.00
93	T	Fluoranthene		1.353	1.288	4.8	78	0.00
94	T	Benzidine		0.776	0.812	-4.6	79	0.00
95	T	Pyrene		1.428	1.356	5.0	78	0.00
96	S	4-Terphenyl-d14		1.073	1.049	2.2	81	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.555	0.595	-7.2	81	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	82	0.00
105	T	Benzo(a)anthracene	1.379	1.318	4.4	82	0.00
106	T	3,3'-Dichlorobenzidine	0.453	0.480	-6.0	84	0.00
107	T	Chrysene	1.324	1.244	6.0	81	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.828	0.860	-3.9	78	0.00
109	T	Di-n-octylphthalate	1.373	1.530	-11.4	83	0.00
110	T	Benzo(b)fluoranthene	1.331	1.444	-8.5	92	0.00
111	T	Benzo(k)fluoranthene	1.240	1.231	0.7	80	0.00
112	T	Benzo(a)pyrene	1.155	1.253	-8.5	88	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	88	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.213	1.233	-1.6	90	0.00
115	T	Dibenzo(a,h)anthracene	1.153	1.189	-3.1	90	0.00
116	T	Benzo(ghi)perylene	1.080	1.127	-4.4	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.639	152	59785	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	8.045	136	236263	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	9.804	164	135584	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	11.245	188	265683	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	13.904	240	288586	4.000	ug/ml	0.00
113) IS1_Perylene-d12	15.380	264	335704	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.834	112	84353	4.535	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 226.75%#			
7) Phenol-d6	6.269	99	101281	4.524	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 226.20%#			
19) Nitrobenzene-d5	7.281	82	88673	4.365	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 436.50%#			
46) 2-Fluorobiphenyl	9.163	172	243535	4.454	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 445.40%#			
79) 2,4,6-Tribromophenol	10.574	330	40882	5.329	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 266.45%#			
96) 4-Terphenyl-d14	12.833	244	348278	4.885	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 488.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.363	74	52752	4.643	ug/ml#	59
3) Pyridine	2.404	79	78743	4.323	ug/ml#	54
5) Aniline	6.239	93	121005	4.571	ug/ml	92
6) 2-Chlorophenol	6.381	128	99602	4.881	ug/ml#	85
8) Phenol	6.281	94	132345	5.696	ug/ml	96
9) Bis(2-chloroethyl)ether	6.357	93	81527	4.260	ug/ml	94
10) 1,3-Dichlorobenzene	6.563	146	117059	4.693	ug/ml	97
11) 1,4-Dichlorobenzene	6.657	146	118639	4.670	ug/ml	97
12) 1,2-Dichlorobenzene	6.833	146	119320	4.897	ug/ml	97
13) Benzyl alcohol	6.839	79	73109	4.614	ug/ml	97
14) Bis(2-chloroisopropyl)...	7.010	45	86952	2.889	ug/ml#	18
15) 2-Methylphenol	6.998	108	80028	4.767	ug/ml	100
16) Hexachloroethane	7.216	117	41481	4.521	ug/ml#	51
17) n-Nitrosodi-n-propylamine	7.151	70	58657	4.174	ug/ml	100
18) 3-Methylphenol/4-Methy...	7.181	108	85750	4.683	ug/ml	99
20) Nitrobenzene	7.304	77	89211	4.298	ug/ml	92
21) Isophorone	7.575	82	157092	4.350	ug/ml#	97
22) 2-Nitrophenol	7.657	139	57213	5.372	ug/ml#	84

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.751	107	85732	5.128	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.839	93	110688	4.588	ug/ml	99
25) 2,4-Dichlorophenol	7.916	162	92806	4.968	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.998	180	110216	5.090	ug/ml	94
36) Naphthalene	8.069	128	308383	4.623	ug/ml	100
37) Benzoic Acid	7.839	105	62706	4.910	ug/ml	92
38) 4-Chloroaniline	8.145	65	30813	4.119	ug/ml#	52
39) Hexachlorobutadiene	8.228	225	66571	4.721	ug/ml	100
40) p-Chloro-m-cresol	8.663	107	82632	4.723	ug/ml	95
41) 2-Methylnaphthalene	8.780	142	197436	4.442	ug/ml	96
42) 1-Methylnaphthalene	8.875	115	67036	4.662	ug/ml	98
43) Hexachlorocyclopentadiene	8.957	237	76512	4.946	ug/ml	97
44) 2,4,6-Trichlorophenol	9.075	196	76663	4.716	ug/ml	99
45) 2,4,5-Trichlorophenol	9.104	196	77984	4.634	ug/ml	99
47) 2-Chloronaphthalene	9.257	162	208641	4.503	ug/ml	96
48) 2-Nitroaniline	9.369	138	61649	4.674	ug/ml#	77
49) 1,4-Dinitrobenzene	9.504	168	32605	4.841	ug/ml#	62
50) 1,3-Dinitrobenzene	9.580	168	35930	4.867	ug/ml#	1
51) Dimethyl phthalate	9.574	163	245855	4.551	ug/ml#	99
52) Acenaphthylene	9.663	152	310527	4.495	ug/ml	99
53) 2,6-Dinitrotoluene	9.616	165	53752	4.894	ug/ml#	67
54) 1,2-Dinitrobenzene	9.657	168	21850	4.590	ug/ml#	8
64) 3-Nitroaniline	9.774	138	57059	5.211	ug/ml#	85
65) Acenaphthene	9.839	154	186011	4.743	ug/ml	93
66) 2,4-Dinitrophenol	9.874	184	31183	4.801	ug/ml#	85
67) Dibenzofuran	10.010	168	294678	4.644	ug/ml	97
68) 2,4-Dinitrotoluene	10.004	165	71744	5.050	ug/ml#	81
69) 4-Nitrophenol	9.957	65	35847	4.427	ug/ml#	64
70) 2,3,5,6-Tetrachlorophenol	10.098	232	69934	5.285	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	10.139	232	67415	5.162	ug/ml	99
72) Diethyl phthalate	10.263	149	238454	4.634	ug/ml	99
73) Fluorene	10.339	166	238463	4.812	ug/ml	97
74) 4-Chlorophenyl phenyl ...	10.357	204	121353	4.771	ug/ml	91
75) 4-Nitroaniline	10.363	138	54857	4.924	ug/ml#	70
76) 4,6-Dinitro-o-cresol	10.398	198	45963	4.797	ug/ml#	51
77) NDPA/DPA	10.474	169	206159	4.822	ug/ml	99
78) Azobenzene	10.504	77	175352	4.198	ug/ml#	84
80) 4-Bromophenyl phenyl e...	10.827	248	78925	5.009	ug/ml#	83
81) Hexachlorobenzene	10.880	284	90130	5.052	ug/ml#	80
82) Pentachlorophenol	11.074	266	56254	5.211	ug/ml	99
89) Phenanthrene	11.268	178	357776	4.590	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	11.316	178	364859	4.694	ug/ml	99
91) Carbazole	11.480	167	327785	4.683	ug/ml	100
92) Di-n-butylphthalate	11.863	149	422285	4.820	ug/ml	98
93) Fluoranthene	12.427	202	427592	4.757	ug/ml#	91
94) Benzidine	12.574	184	269635	5.232	ug/ml#	93
95) Pyrene	12.645	202	450361	4.749	ug/ml	100
97) Butyl benzyl phthalate	13.357	149	197461	5.361	ug/ml#	81
105) Benzo(a)anthracene	13.892	228	475503	4.779	ug/ml	99
106) 3,3'-Dichlorobenzidine	13.886	252	173084	5.295	ug/ml#	96
107) Chrysene	13.927	228	448852	4.700	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	13.998	149	310165	5.192	ug/ml	94
109) Di-n-octylphthalate	14.680	149	551854	5.570	ug/ml#	67
110) Benzo(b)fluoranthene	15.004	252	520844	5.424	ug/ml#	92
111) Benzo(k)fluoranthene	15.033	252	444062	4.965	ug/ml#	93
112) Benzo(a)pyrene	15.321	252	451827	5.422	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	16.392	276	517340M6	5.083	ug/mL	
115) Dibenzo(a,h)anthracene	16.409	278	498802	5.153	ug/ml#	88
116) Benzo(ghi)perylene	16.656	276	473001	5.219	ug/ml#	83

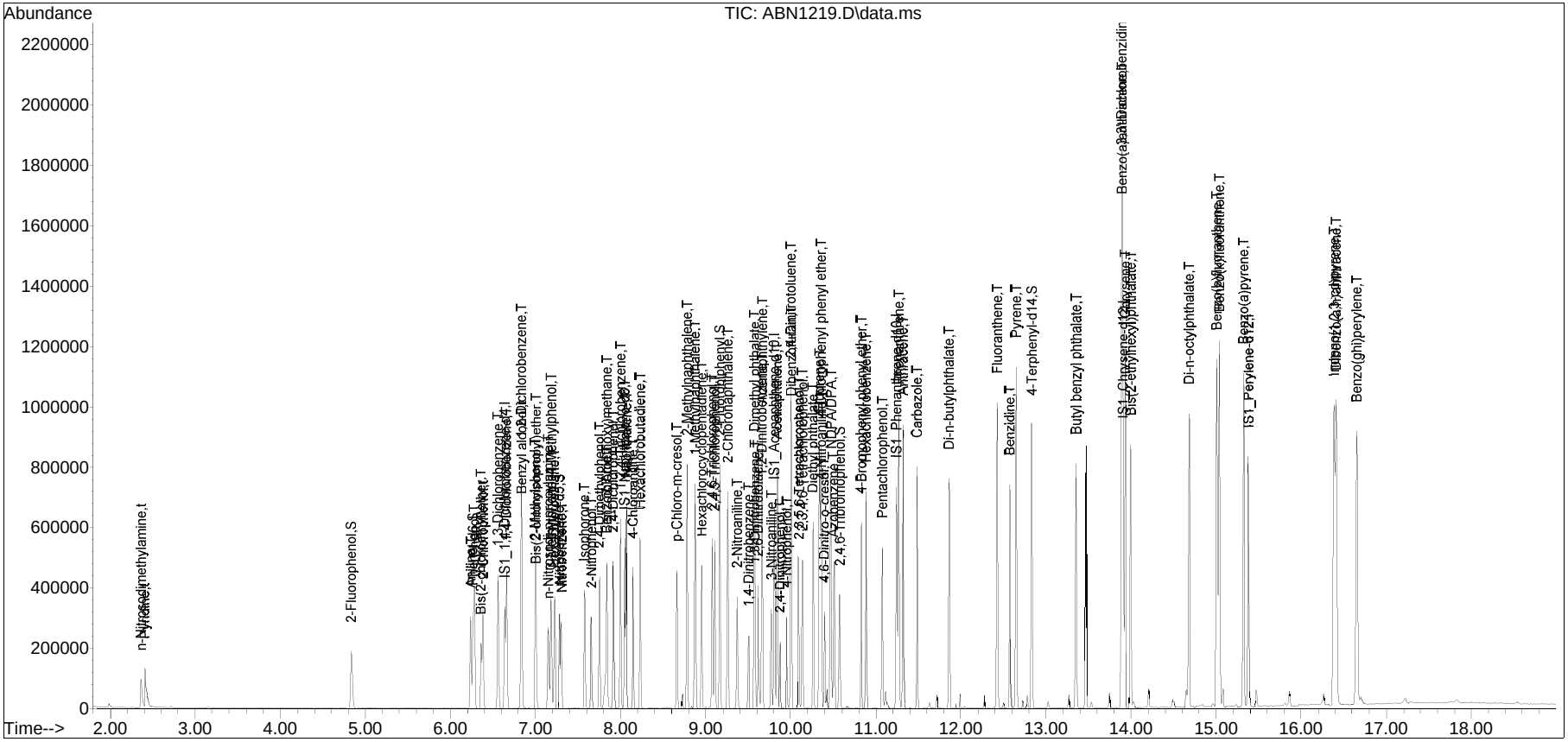
(#) = qualifier out of range (m) = manual integration (+) = signals summed

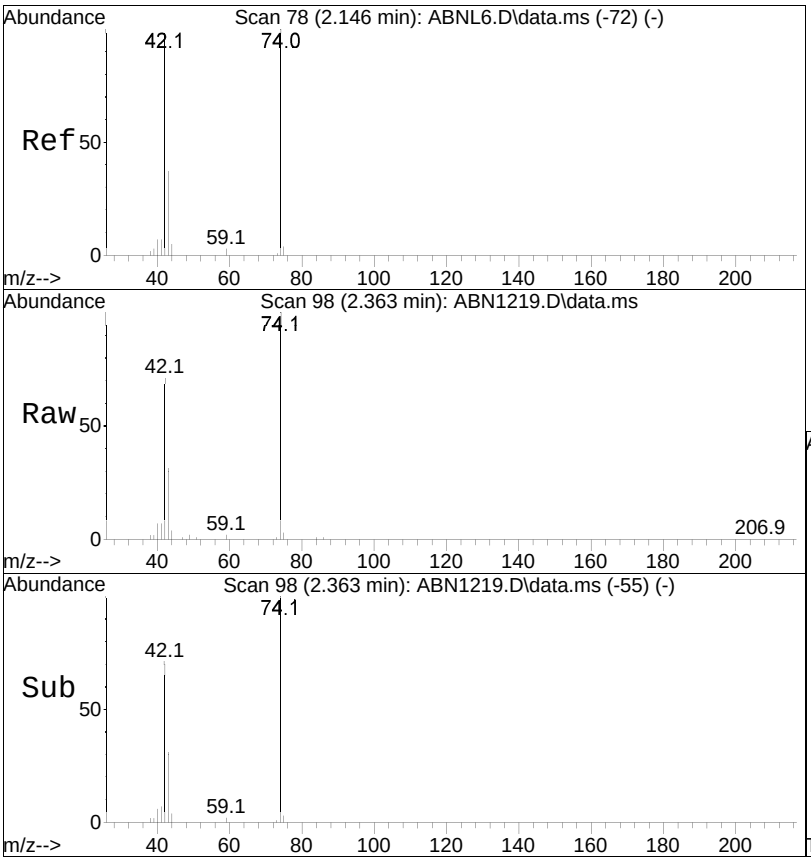
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : ABN1219.D
Acq On : 19 Dec 2024 11:28 am
Operator : SV106:mrg
Sample : WG2011391-3,32,,ABN 11043 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 19 15:26:40 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:45:23 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

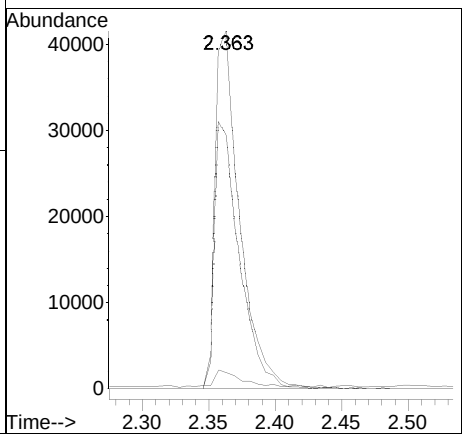


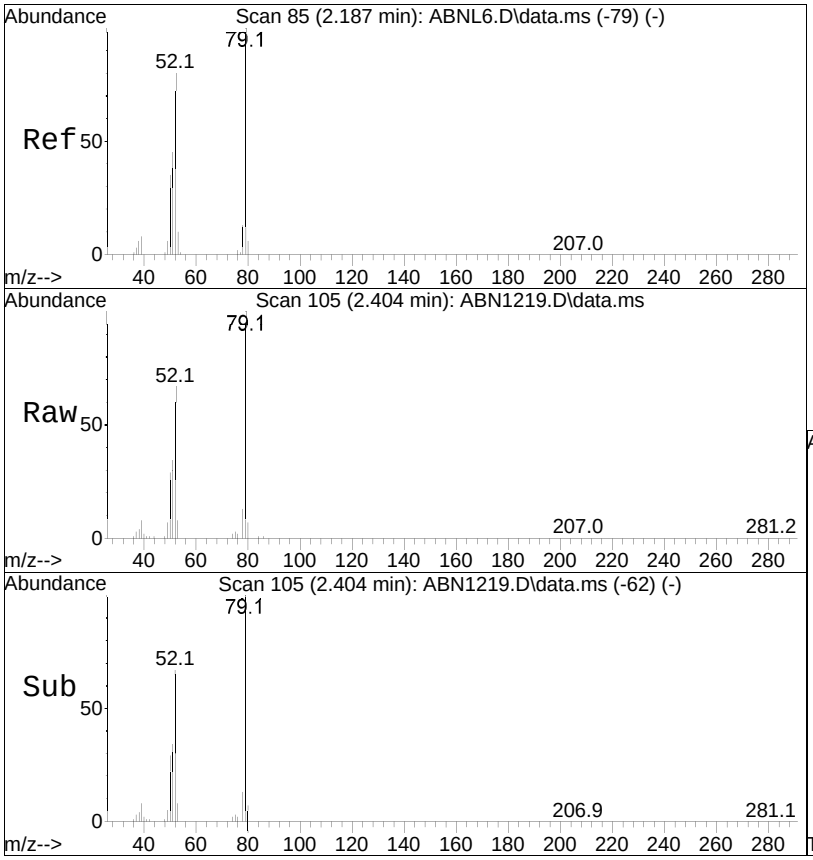


#2
n-Nitrosodimethylamine
Concen: 4.64 ug/ml
RT: 2.363 min Scan# 98
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 74 Resp: 52752

Ion	Ratio	Lower	Upper
74	100		
42	75.9	100.0	150.0#
44	5.6	6.7	10.1#

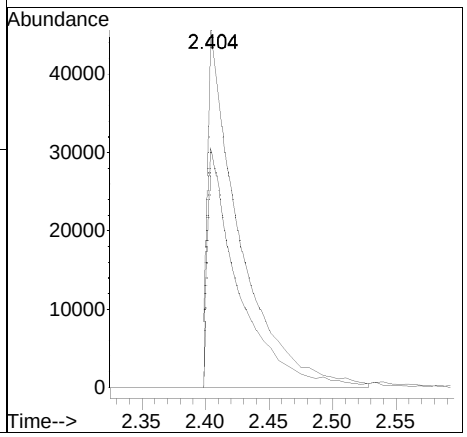


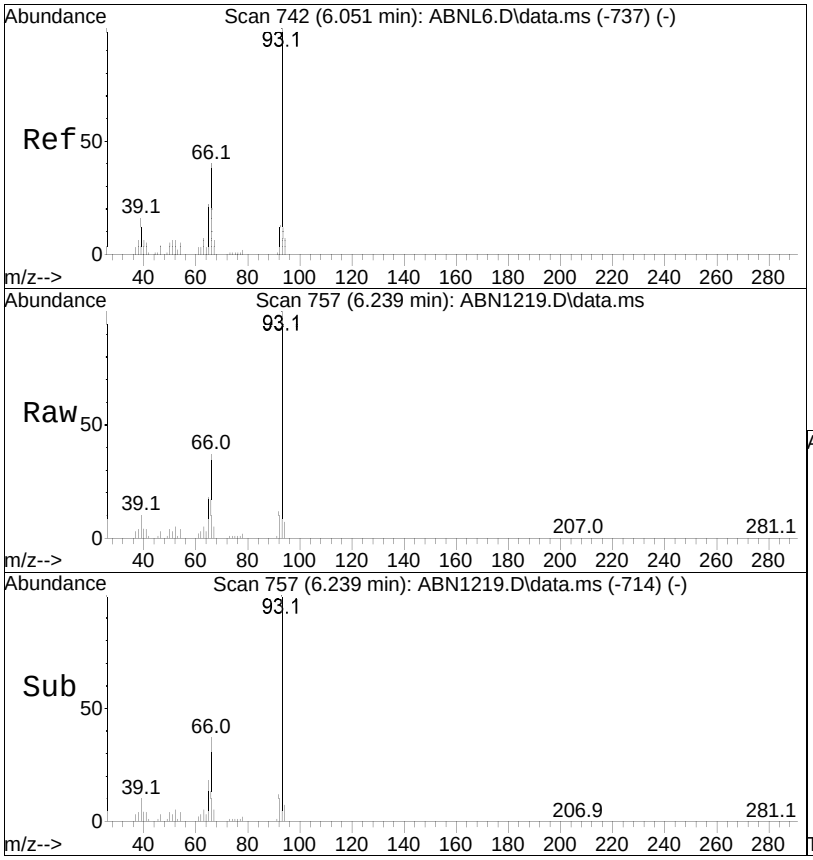


#3
Pyridine
Concen: 4.32 ug/ml
RT: 2.404 min Scan# 105
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 79 Resp: 78743

Ion	Ratio	Lower	Upper
79	100		
52	65.9	93.1	139.7#

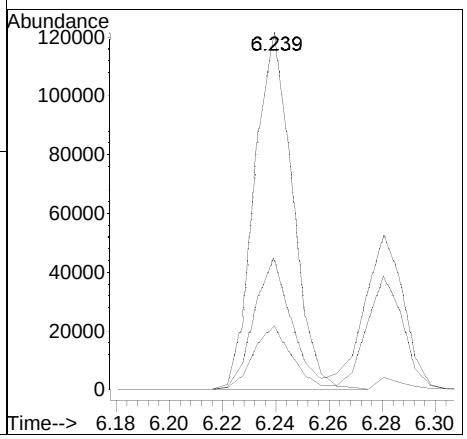


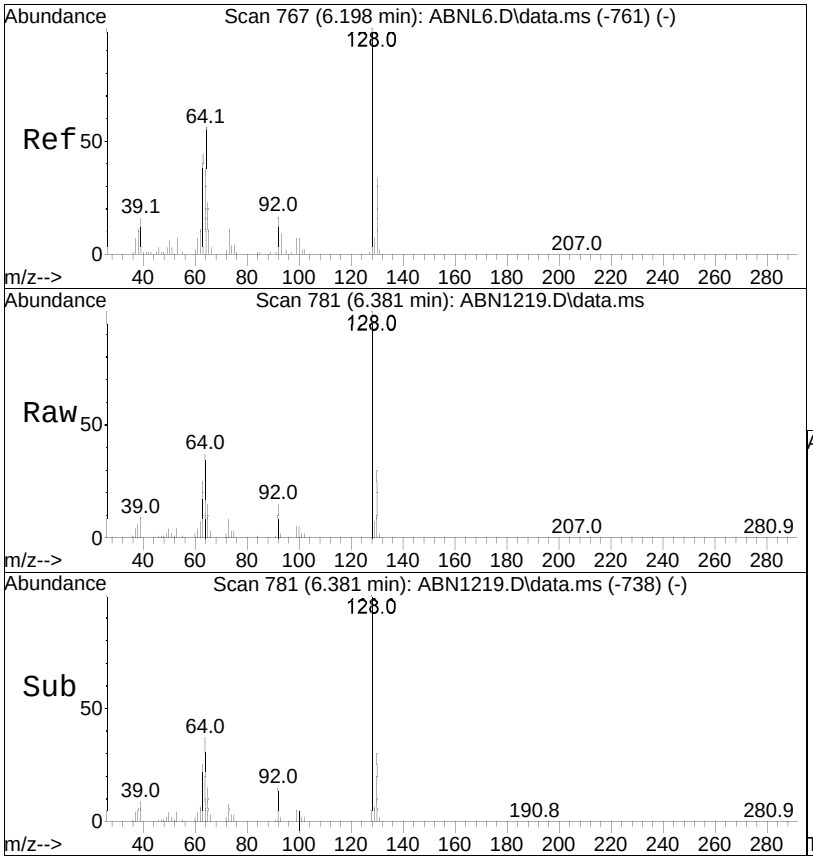


#5
Aniline
Concen: 4.57 ug/ml
RT: 6.239 min Scan# 757
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 93 Resp: 121005

Ion	Ratio	Lower	Upper
93	100		
66	36.3	32.6	49.0
65	17.9	17.6	26.4

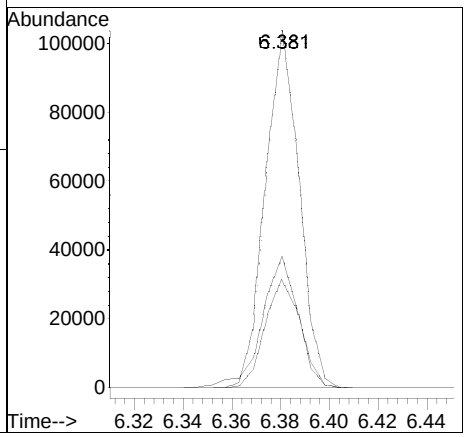


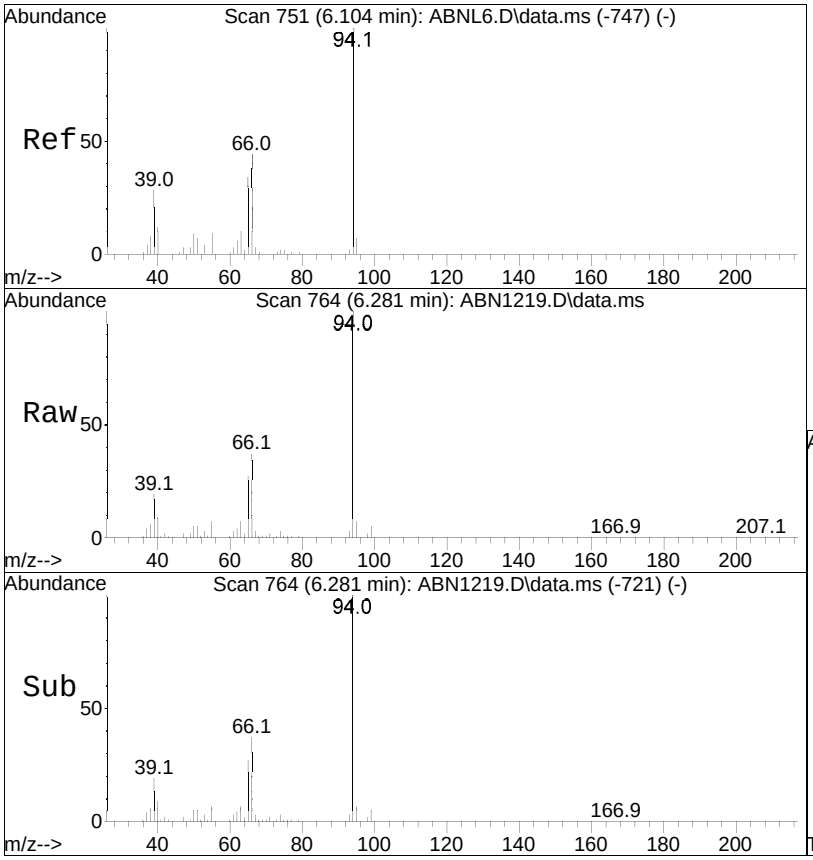


#6
2-Chlorophenol
Concen: 4.88 ug/ml
RT: 6.381 min Scan# 781
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:128 Resp: 99602

Ion	Ratio	Lower	Upper
128	100		
64	39.2	45.1	67.7#
130	32.0	26.2	39.4

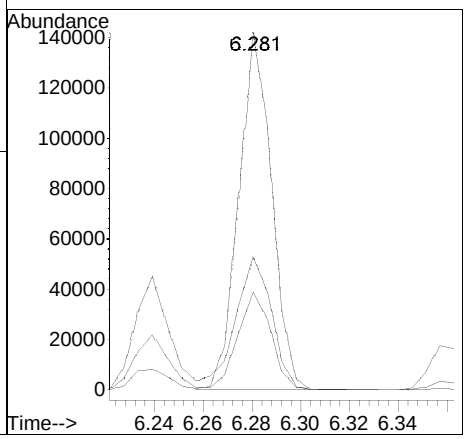


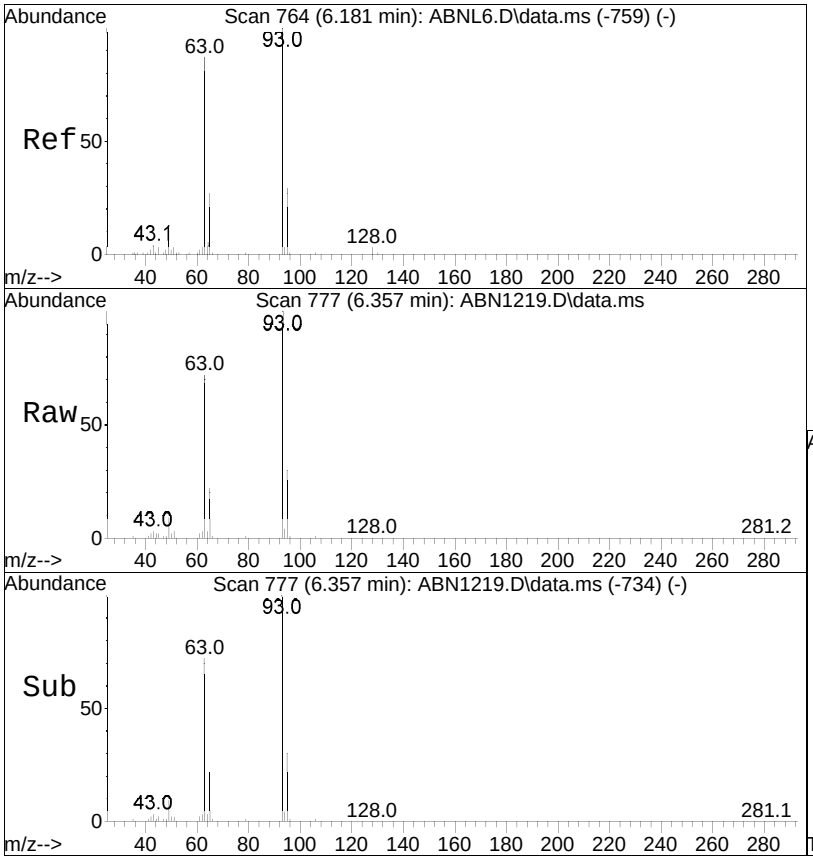


#8
Phenol
Concen: 5.70 ug/ml
RT: 6.281 min Scan# 764
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 94 Resp: 132345

Ion	Ratio	Lower	Upper
94	100		
65	28.1	26.0	39.0
66	41.5	33.8	50.8

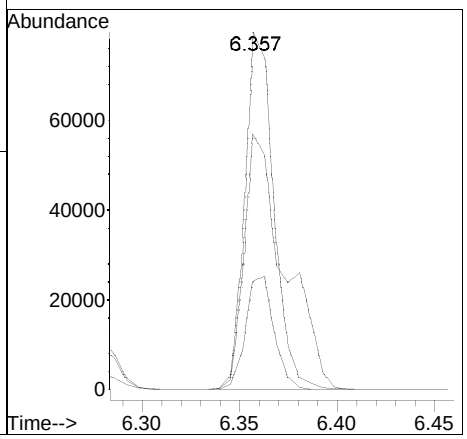


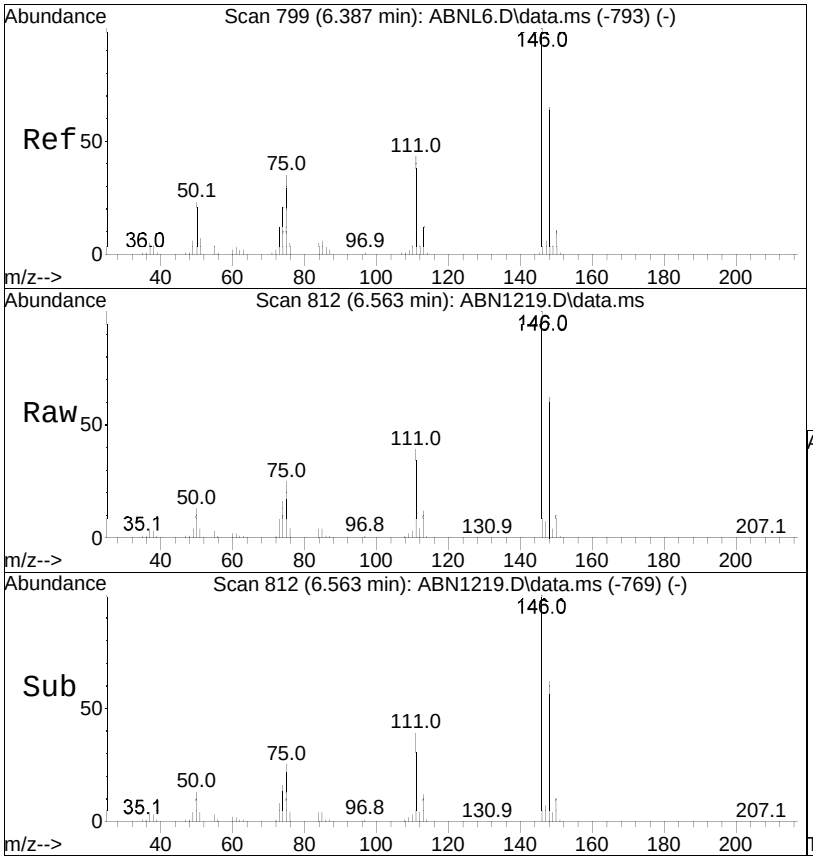


#9
Bis(2-chloroethyl)ether
Concen: 4.26 ug/ml
RT: 6.357 min Scan# 777
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 93 Resp: 81527

Ion	Ratio	Lower	Upper
93	100		
63	100.5	74.6	111.8
95	31.3	25.9	38.9

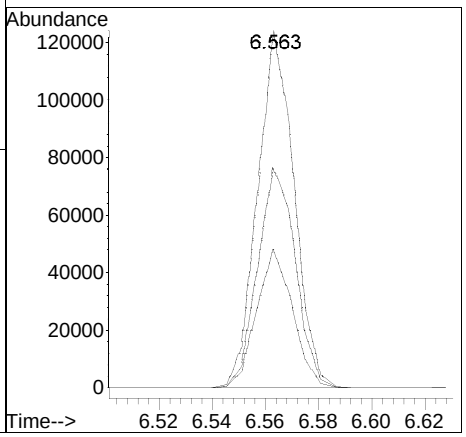


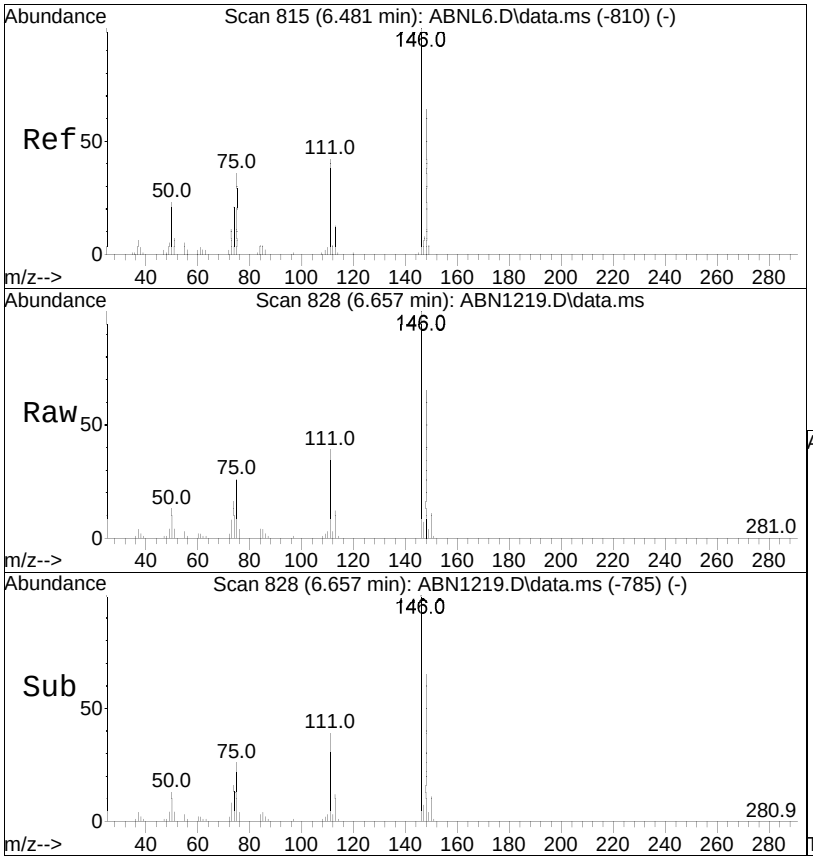


#10
1,3-Dichlorobenzene
Concen: 4.69 ug/ml
RT: 6.563 min Scan# 812
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:146 Resp: 117059

Ion	Ratio	Lower	Upper
146	100		
111	38.5	34.3	51.5
148	63.7	50.8	76.2

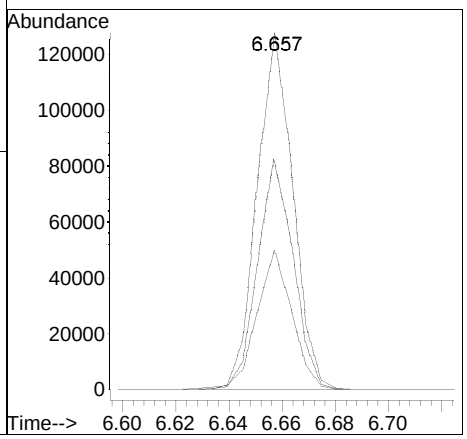


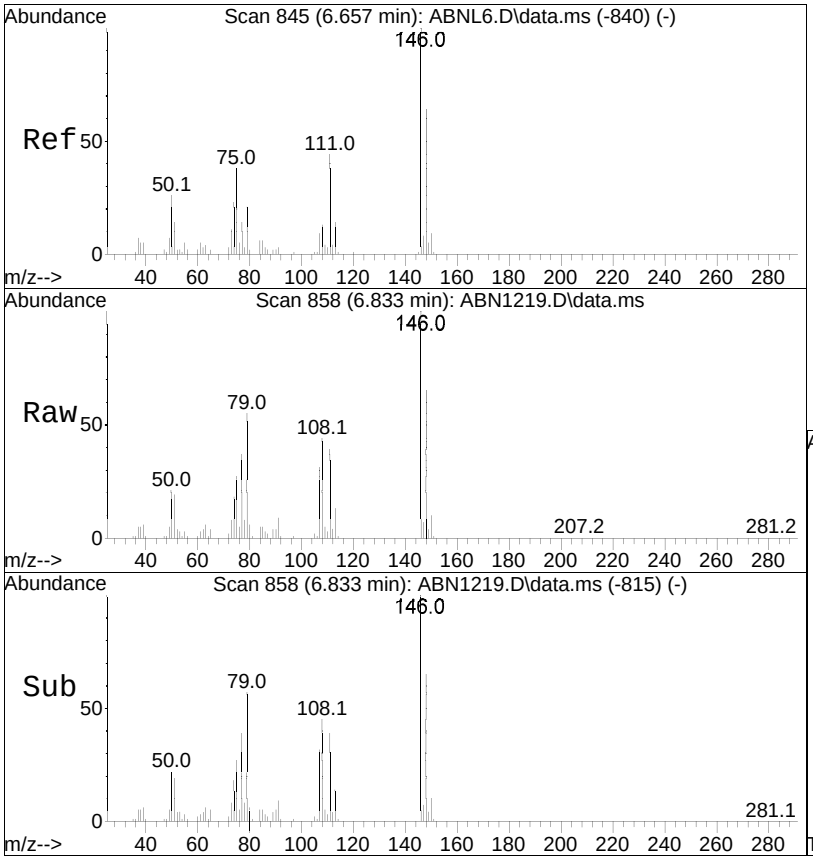


#11
1,4-Dichlorobenzene
Concen: 4.67 ug/ml
RT: 6.657 min Scan# 828
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:146 Resp: 118639

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.7	76.1
111	38.8	33.4	50.0

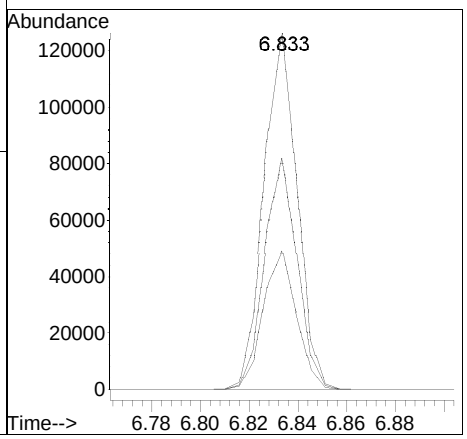


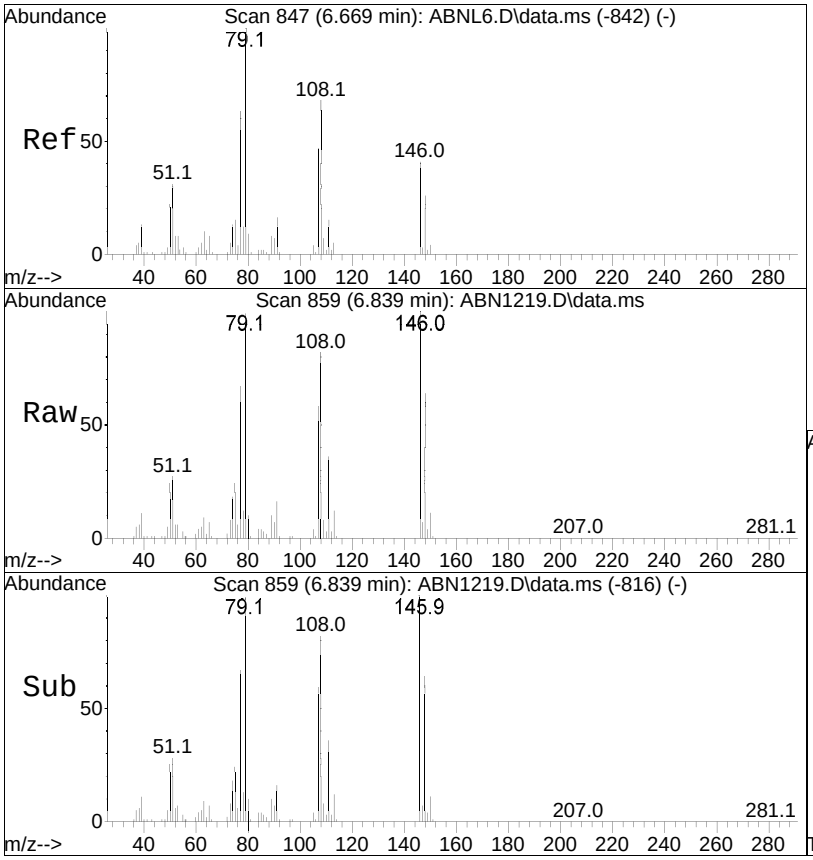


#12
1,2-Dichlorobenzene
Concen: 4.90 ug/ml
RT: 6.833 min Scan# 858
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:146 Resp: 119320

Ion	Ratio	Lower	Upper
146	100		
111	39.2	34.6	52.0
148	63.8	50.2	75.4

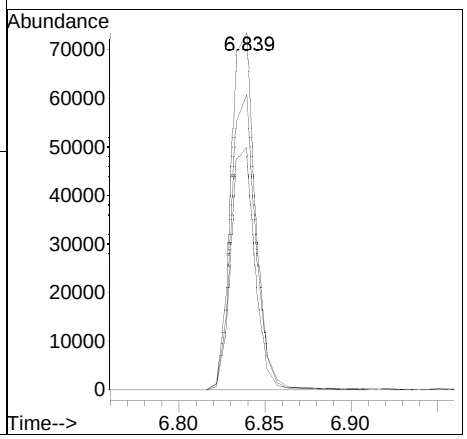


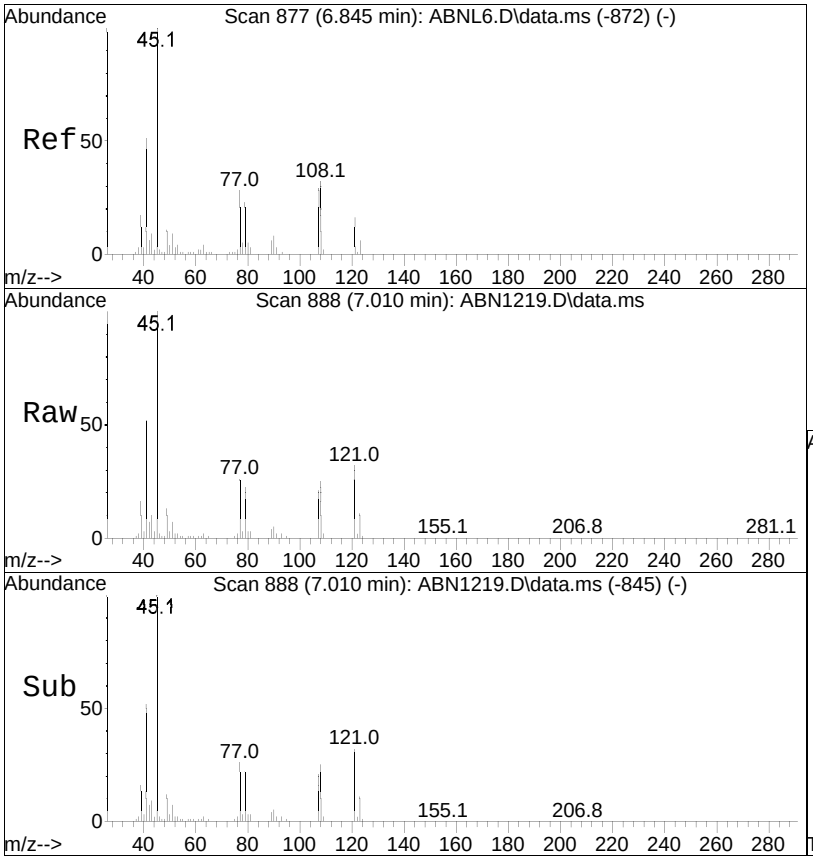


#13
Benzyl alcohol
Concen: 4.61 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 79 Resp: 73109

Ion	Ratio	Lower	Upper
79	100		
77	66.6	54.9	82.3
108	81.5	63.1	94.7

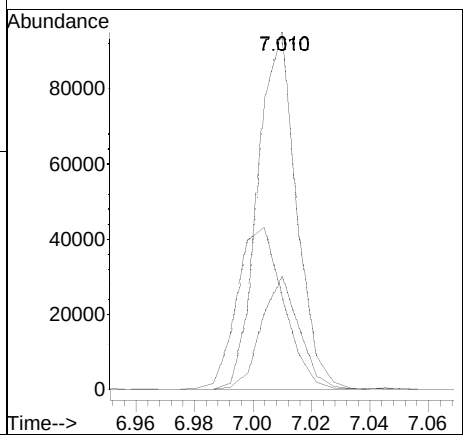


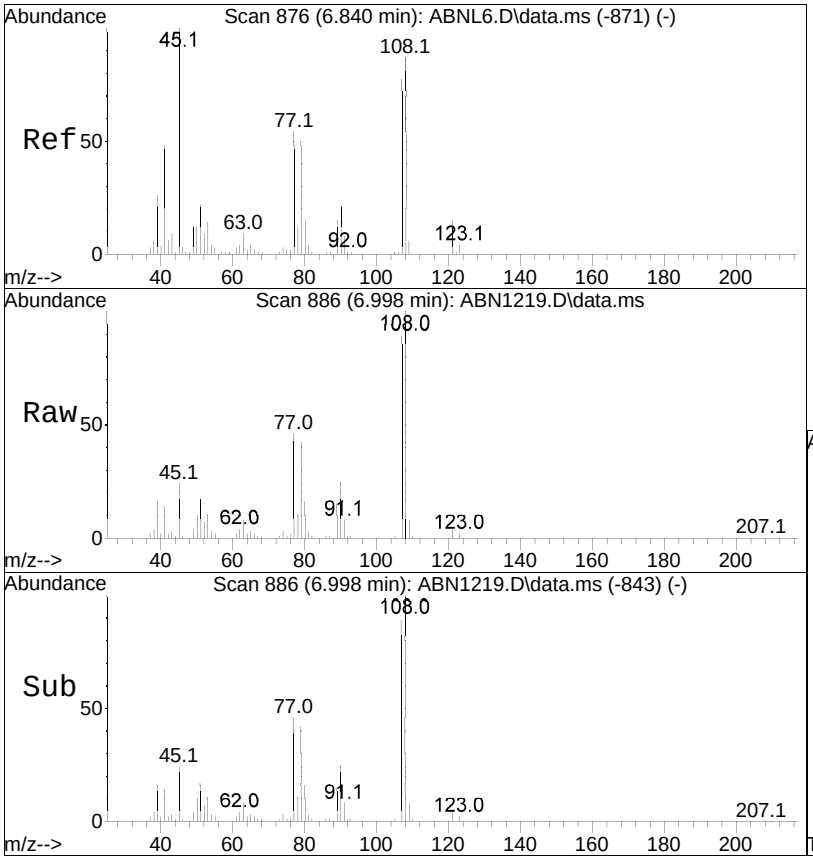


#14
Bis(2-chloroisopropyl)ether
Concen: 2.89 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 45 Resp: 86952

Ion	Ratio	Lower	Upper
45	100		
121	31.2	9.8	14.6#
77	54.8	6.1	9.1#

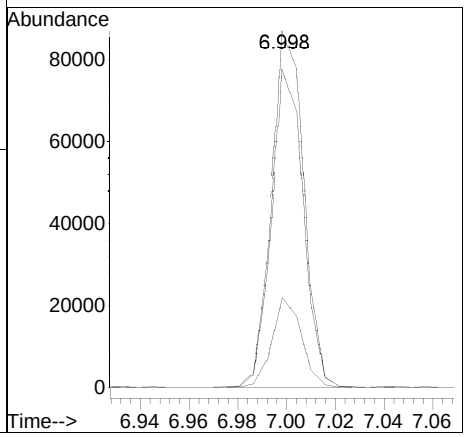


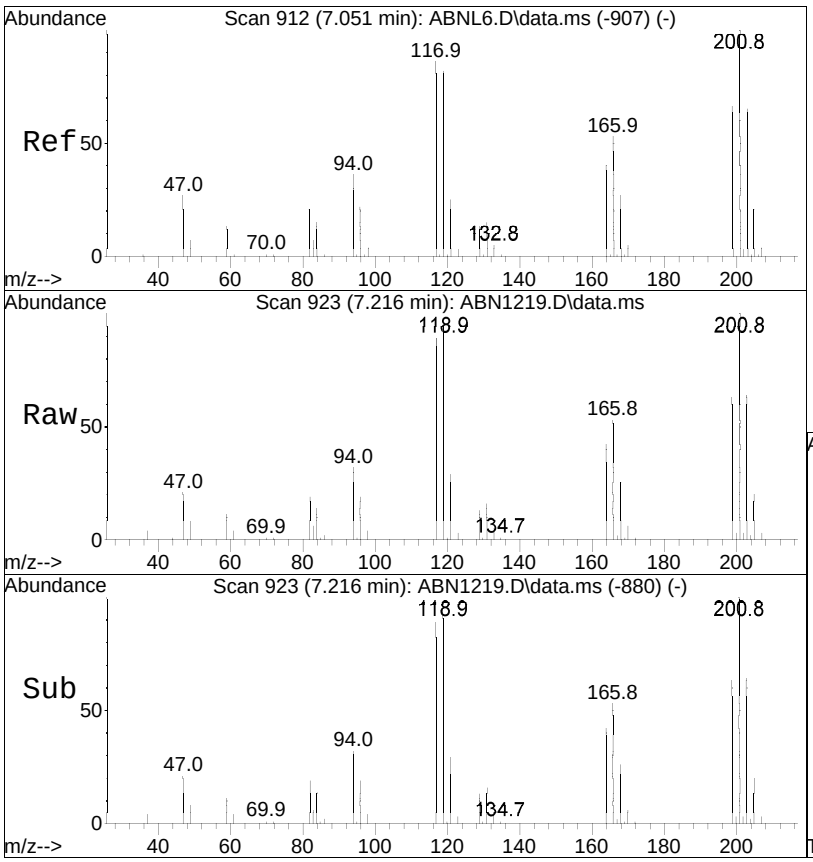


#15
2-Methylphenol
Concen: 4.77 ug/ml
RT: 6.998 min Scan# 886
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:108 Resp: 80028

Ion	Ratio	Lower	Upper
108	100		
107	88.0	70.7	106.1
90	23.1	18.7	28.1

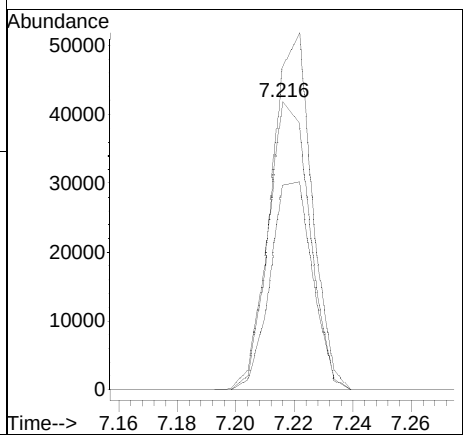


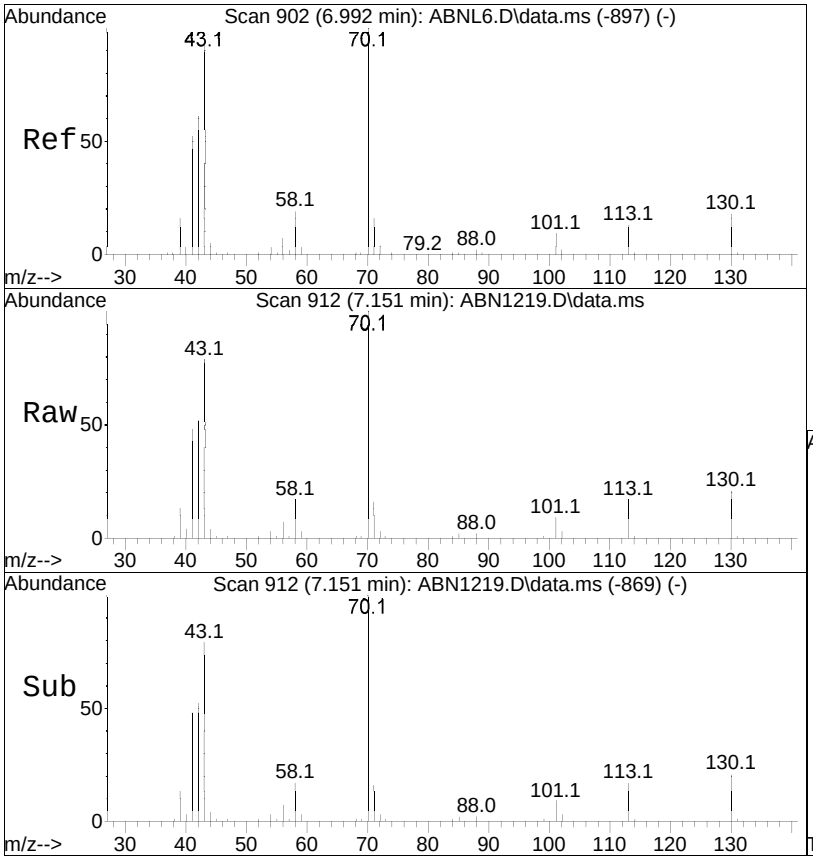


#16
Hexachloroethane
Concen: 4.52 ug/ml
RT: 7.216 min Scan# 923
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:117 Resp: 41481

Ion	Ratio	Lower	Upper
117	100		
201	119.1	58.6	87.8#
199	73.3	36.9	55.3#

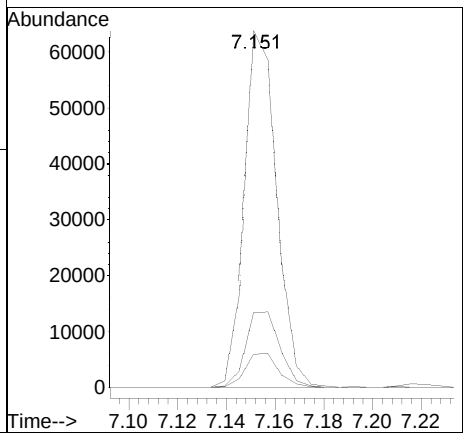


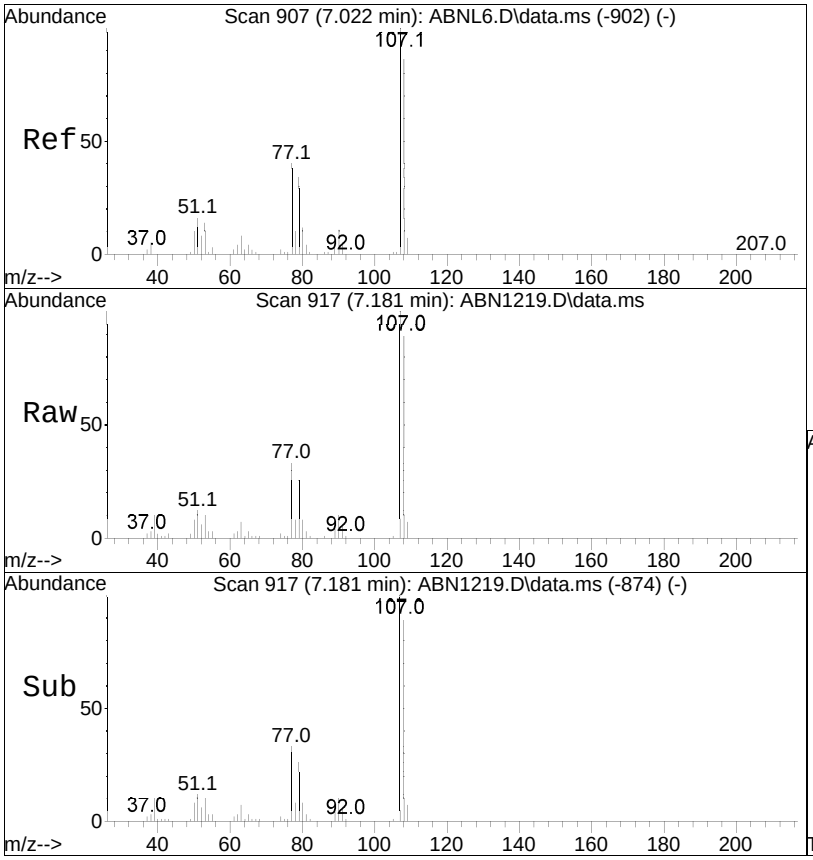


#17
n-Nitrosodi-n-propylamine
Concen: 4.17 ug/ml
RT: 7.151 min Scan# 912
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 70 Resp: 58657

Ion	Ratio	Lower	Upper
70	100		
130	22.7	18.2	27.4
101	9.9	7.8	11.8

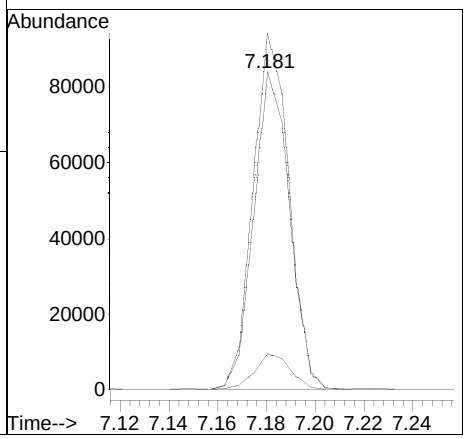


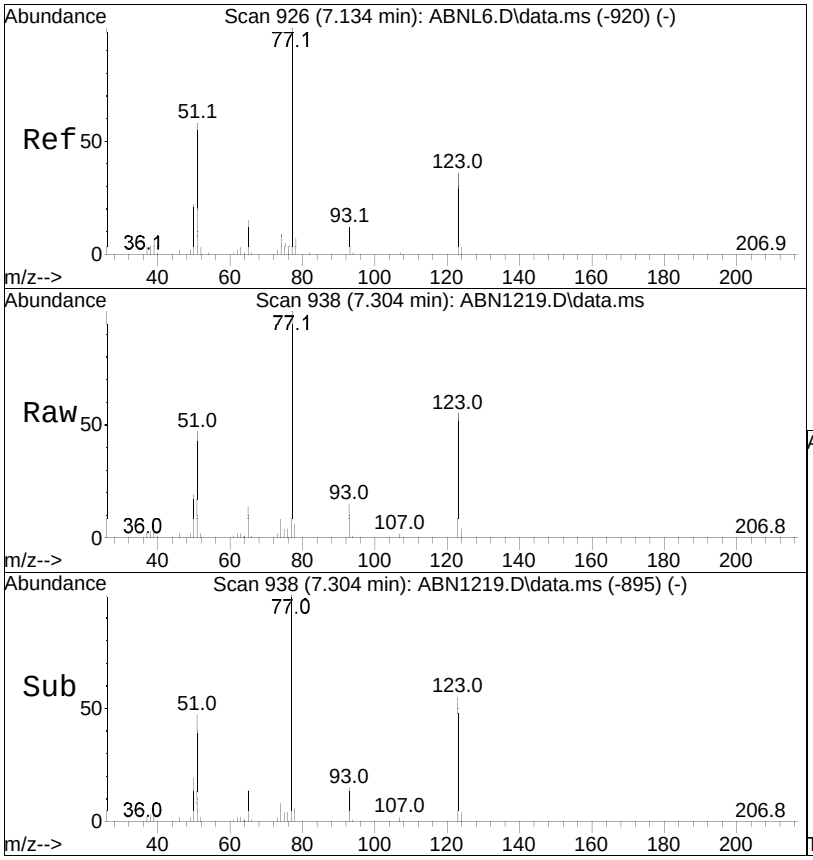


#18
3-Methylphenol/4-Methylphenol
Concen: 4.68 ug/ml
RT: 7.181 min Scan# 917
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:108 Resp: 85750

Ion	Ratio	Lower	Upper
108	100		
107	112.0	88.6	132.8
90	11.3	8.8	13.2

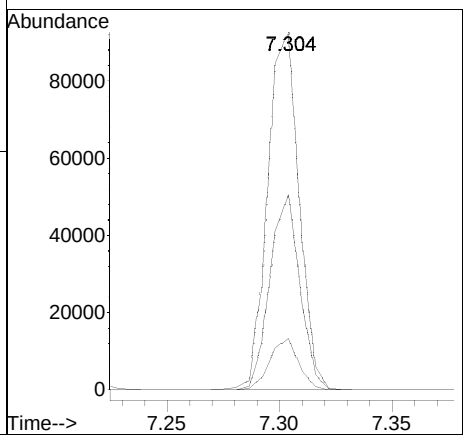


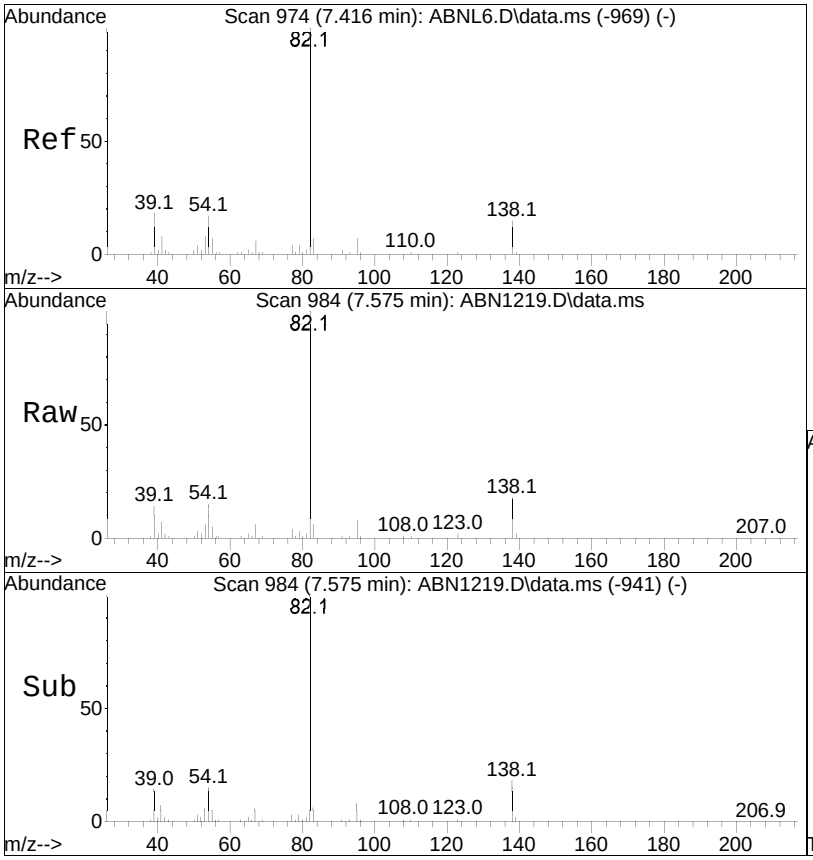


#20
Nitrobenzene
Concen: 4.30 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 77 Resp: 89211

Ion	Ratio	Lower	Upper
77	100		
123	52.1	36.3	54.5
65	13.3	11.6	17.4

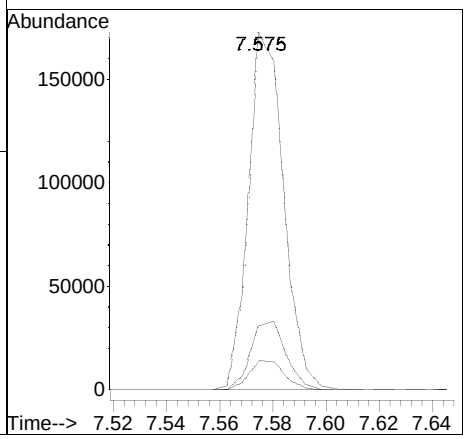


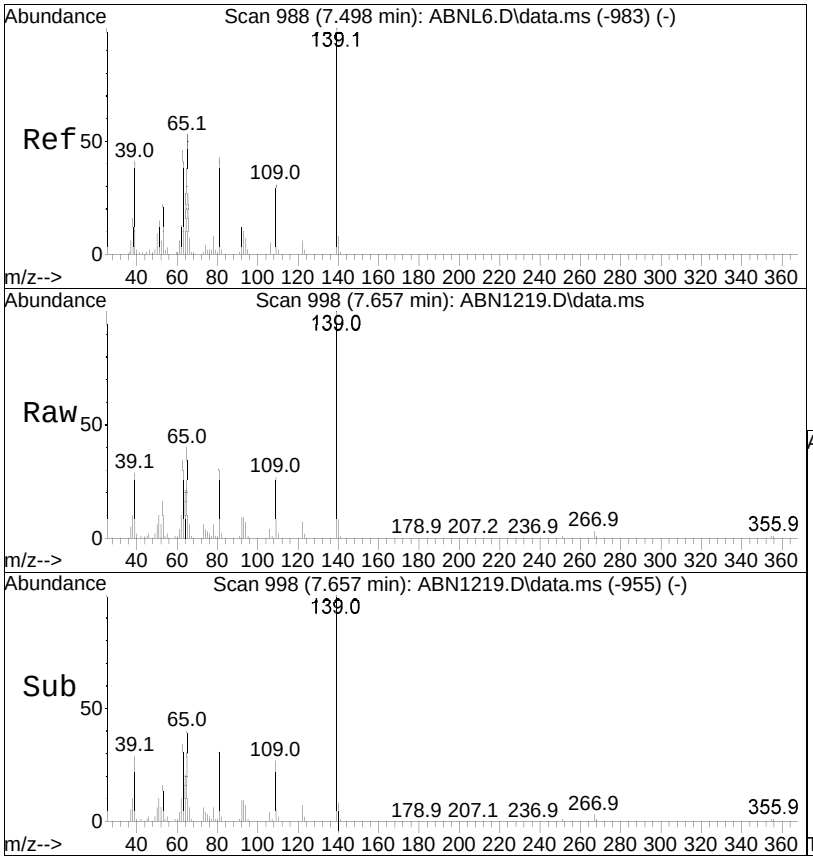


#21
Isophorone
Concen: 4.35 ug/ml
RT: 7.575 min Scan# 984
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 82 Resp: 157092

Ion	Ratio	Lower	Upper
82	100		
138	19.3	14.7	22.1
95	8.2	5.2	7.8#

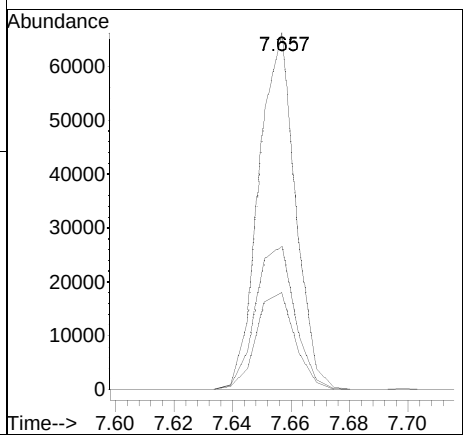


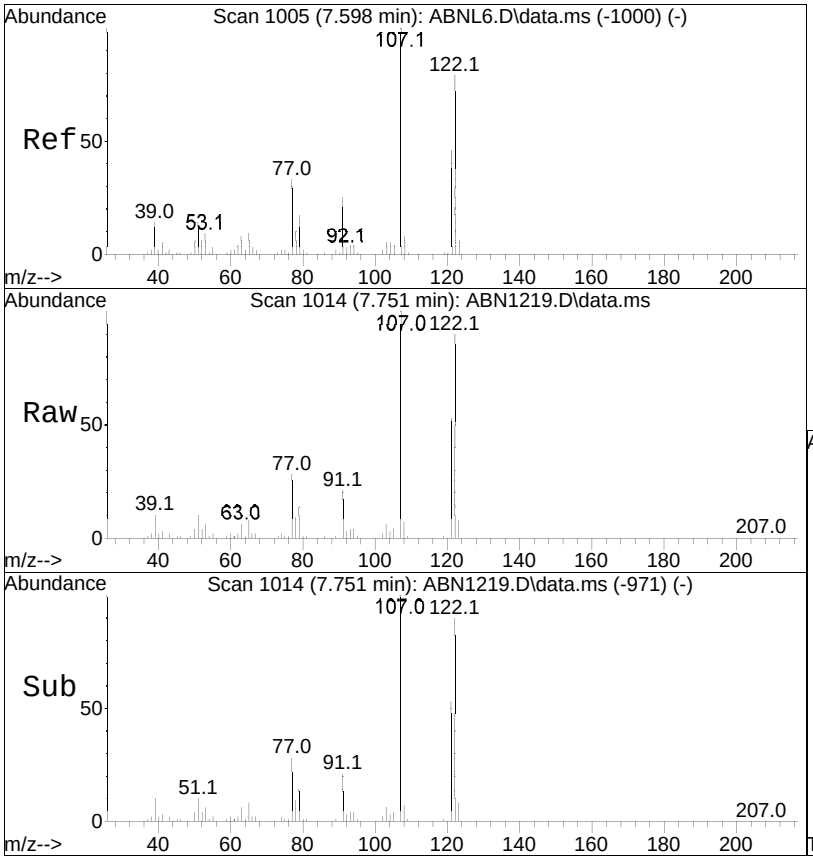


#22
2-Nitrophenol
Concen: 5.37 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:139 Resp: 57213

Ion	Ratio	Lower	Upper
139	100		
109	28.9	19.4	29.0
65	43.6	46.1	69.1#

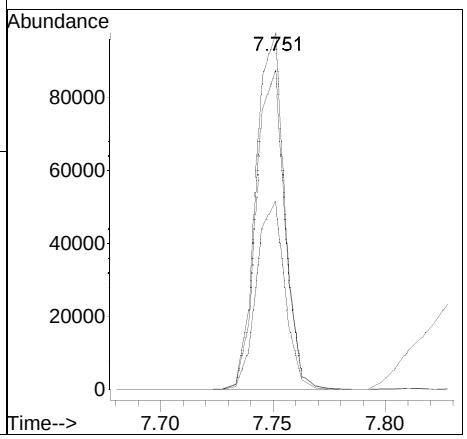


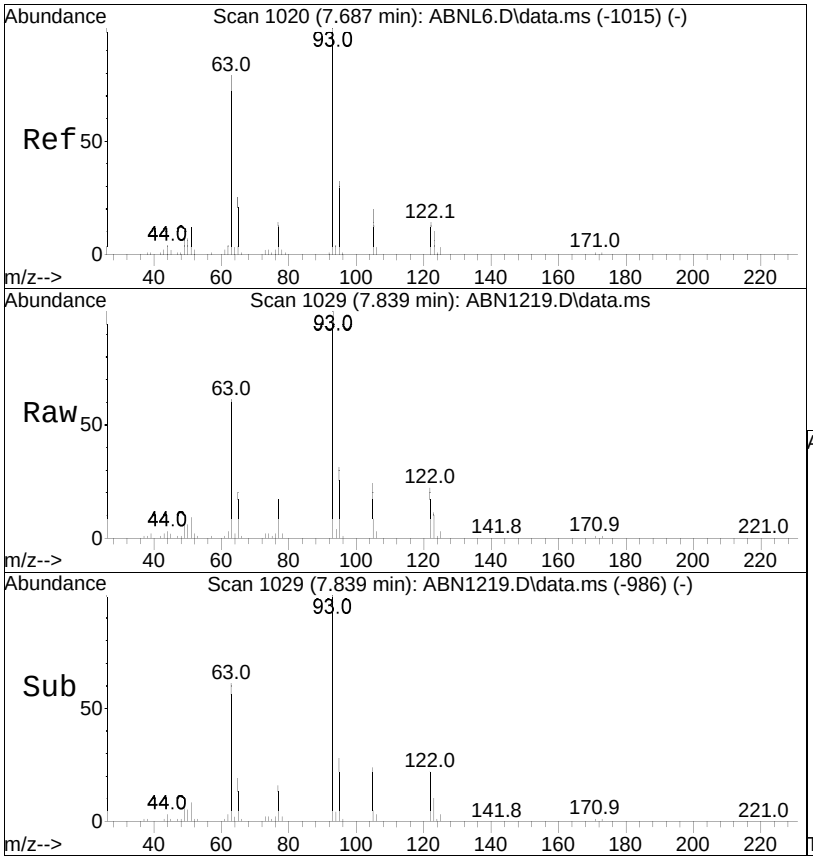


#23
2,4-Dimethylphenol
Concen: 5.13 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:107 Resp: 85732

Ion	Ratio	Lower	Upper
107	100		
121	52.8	40.0	60.0
122	89.4	70.2	105.4

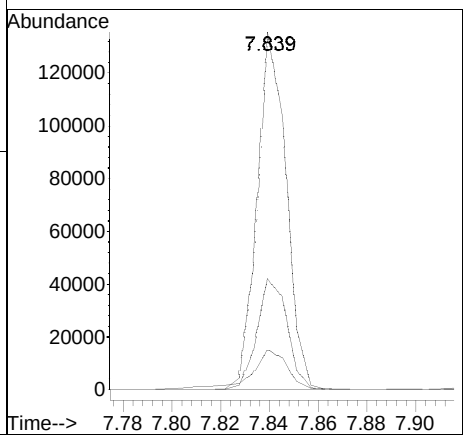


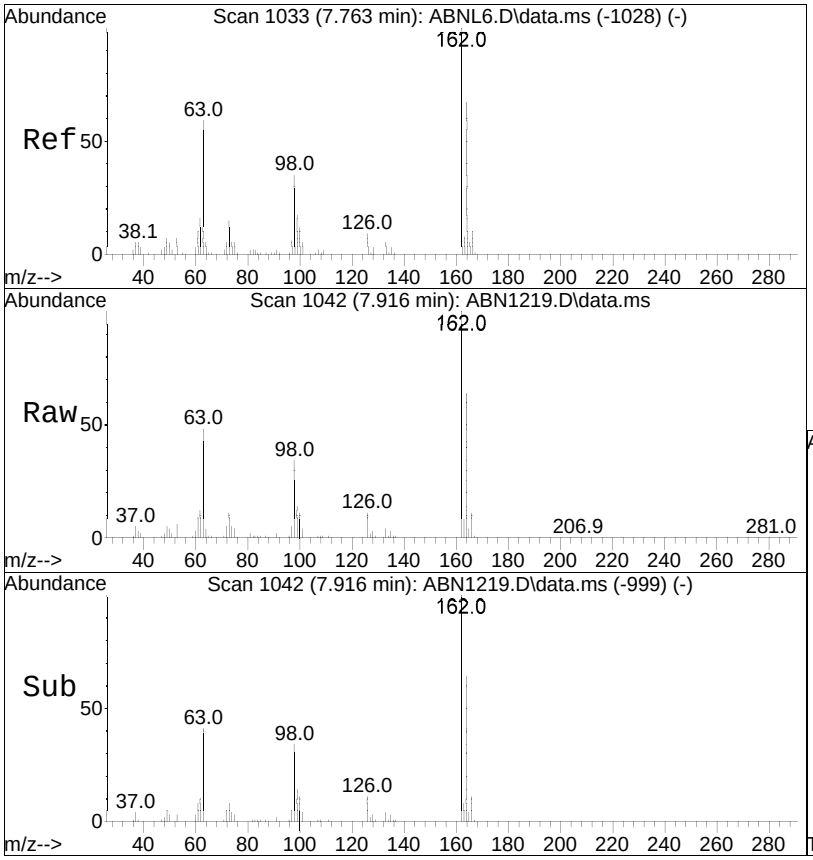


#24
Bis(2-chloroethoxy)methane
Concen: 4.59 ug/ml
RT: 7.839 min Scan# 1029
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 93 Resp: 110688

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	13.9	10.1	15.1

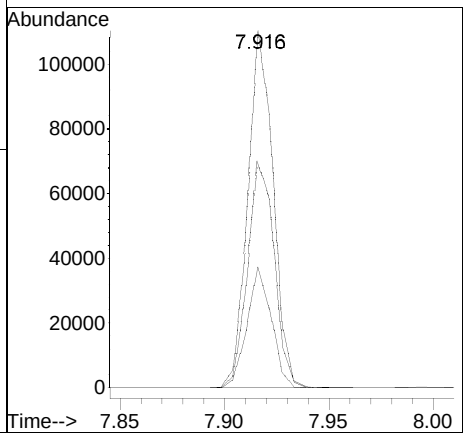


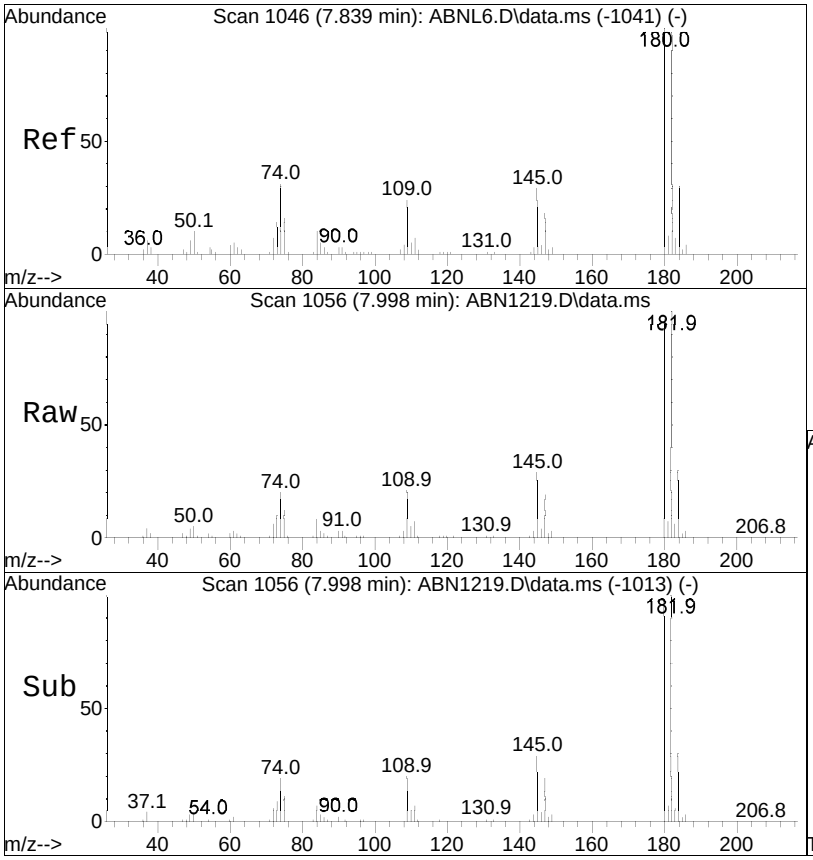


#25
2,4-Dichlorophenol
Concen: 4.97 ug/ml
RT: 7.916 min Scan# 1042
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:162 Resp: 92806

Ion	Ratio	Lower	Upper
162	100		
164	66.8	51.0	76.4
98	32.5	32.2	48.2

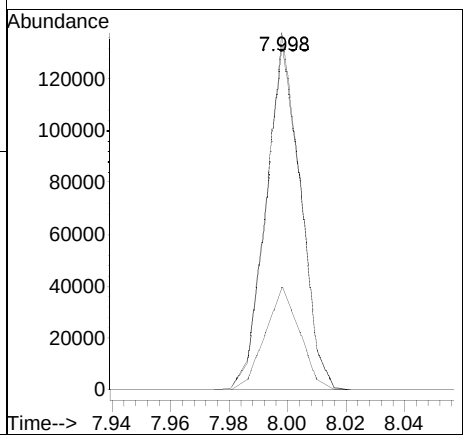


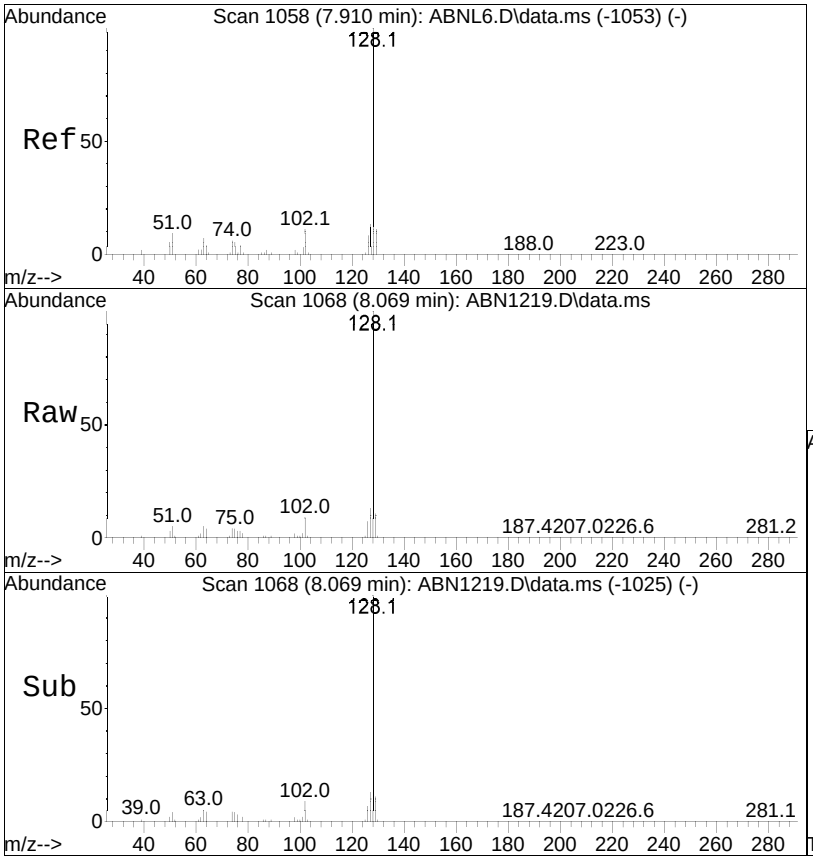


#26
1,2,4-Trichlorobenzene
Concen: 5.09 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:180 Resp: 110216

Ion	Ratio	Lower	Upper
180	100		
182	100.7	76.0	114.0
145	29.6	25.7	38.5

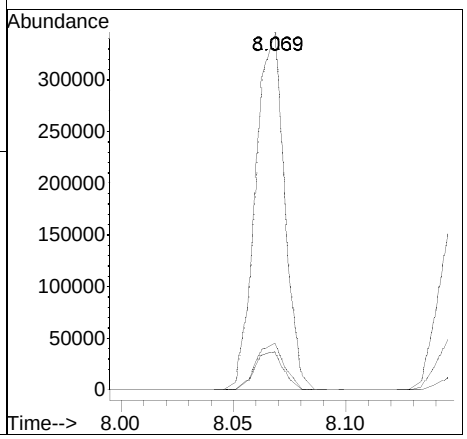


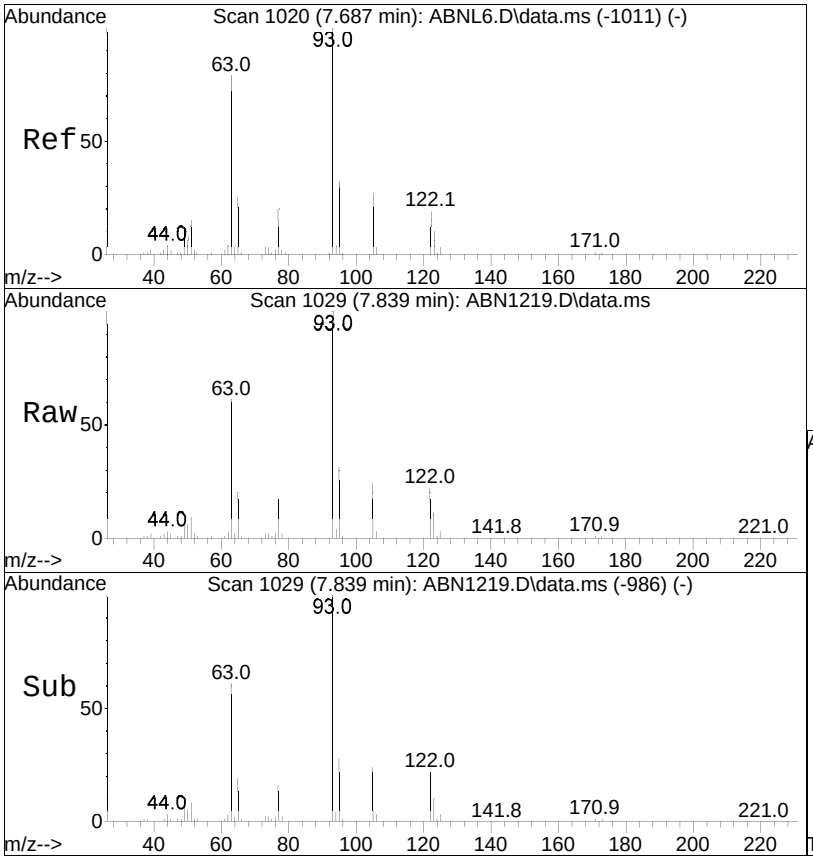


#36
Naphthalene
Concen: 4.62 ug/ml
RT: 8.069 min Scan# 1068
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:128 Resp: 308383

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.1	10.3	15.5

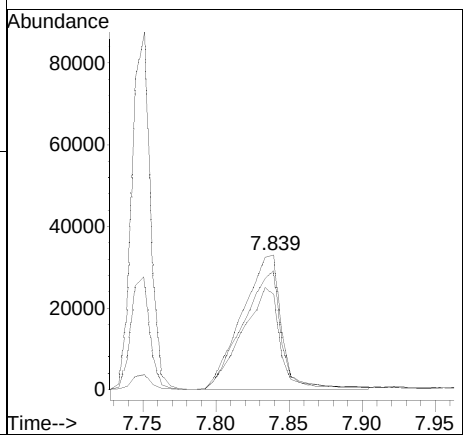


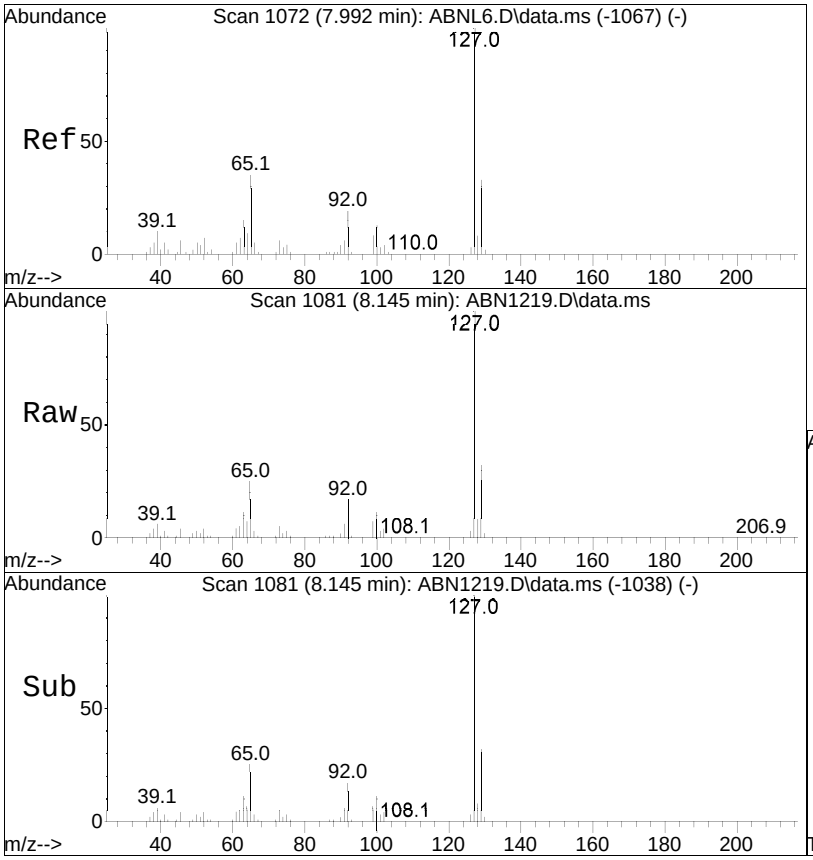


#37
Benzoic Acid
Concen: 4.91 ug/ml
RT: 7.839 min Scan# 1029
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:105 Resp: 62706

Ion	Ratio	Lower	Upper
105	100		
122	86.0	59.9	89.9
77	73.0	60.1	90.1

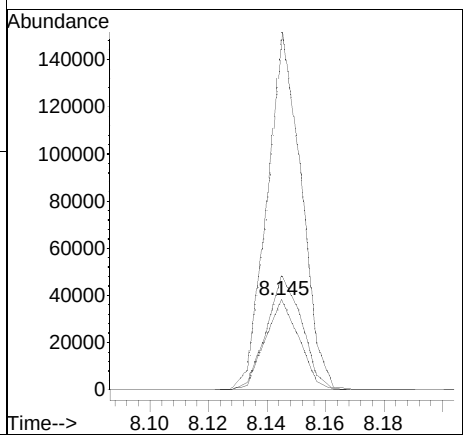


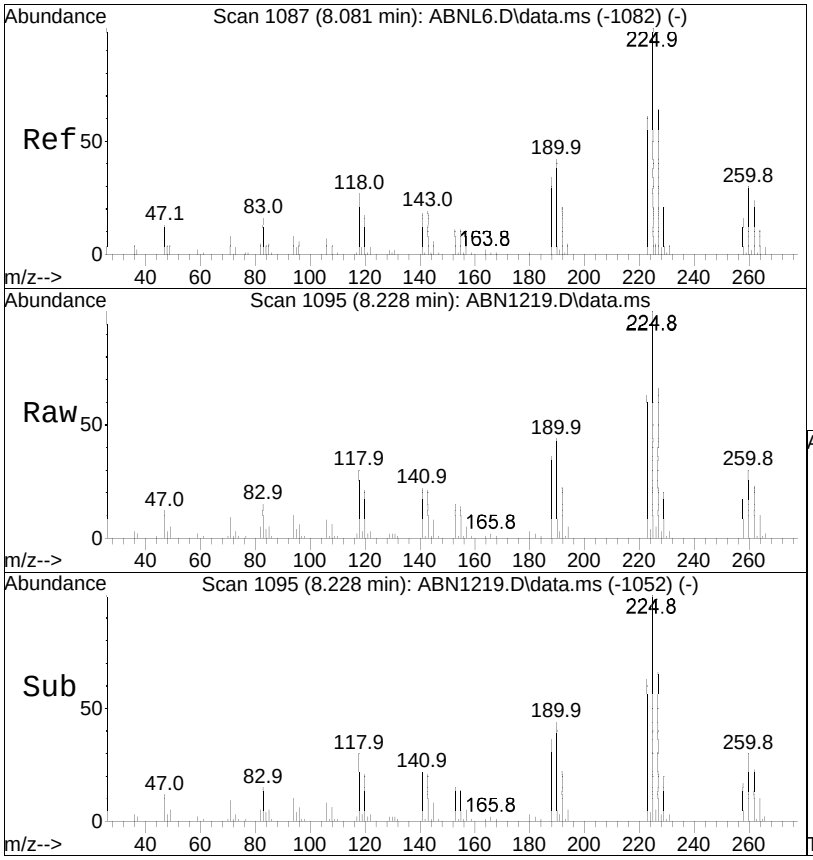


#38
4-Chloroaniline
Concen: 4.12 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 65 Resp: 30813

Ion	Ratio	Lower	Upper
65	100		
127	397.6	237.6	356.4#
129	130.8	76.3	114.5#

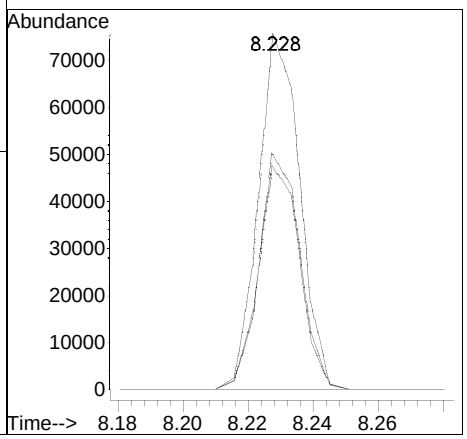


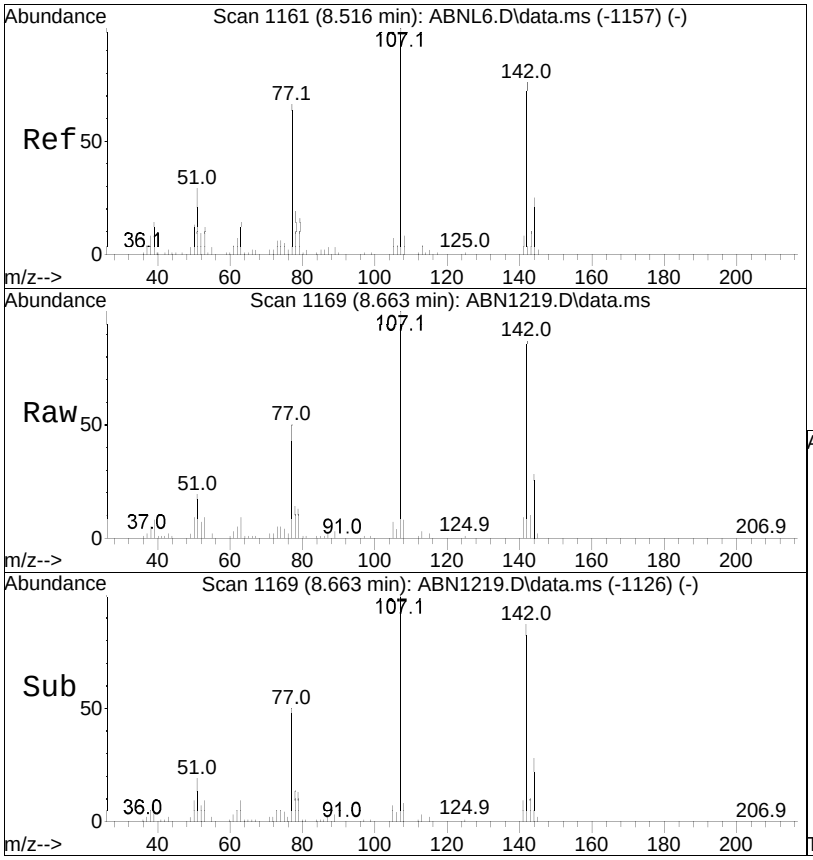


#39
Hexachlorobutadiene
Concen: 4.72 ug/ml
RT: 8.228 min Scan# 1095
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:225 Resp: 66571

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	65.5	52.2	78.2

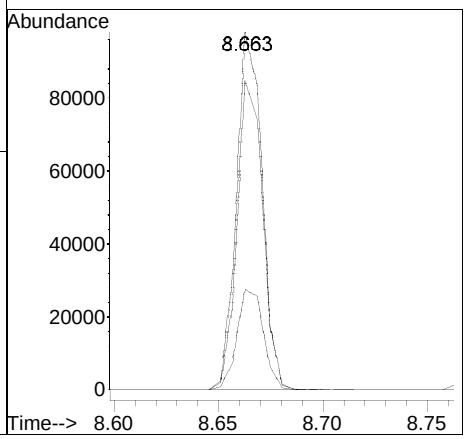


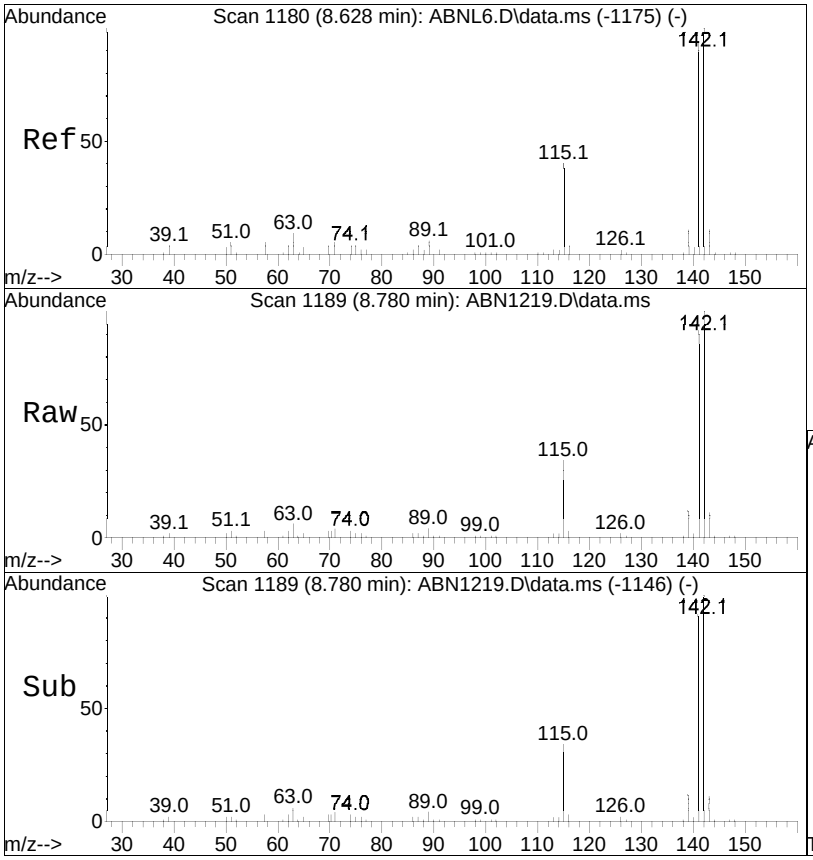


#40
p-Chloro-m-cresol
Concen: 4.72 ug/ml
RT: 8.663 min Scan# 1169
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:107 Resp: 82632

Ion	Ratio	Lower	Upper
107	100		
144	29.4	20.9	31.3
142	86.9	66.1	99.1

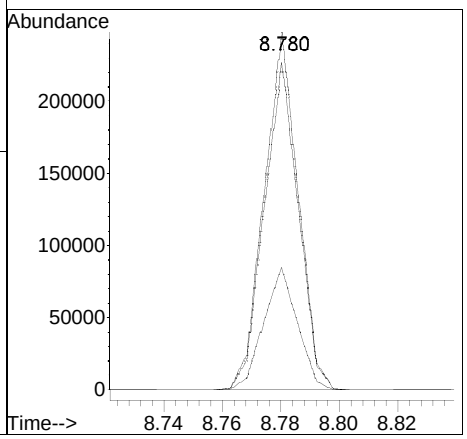


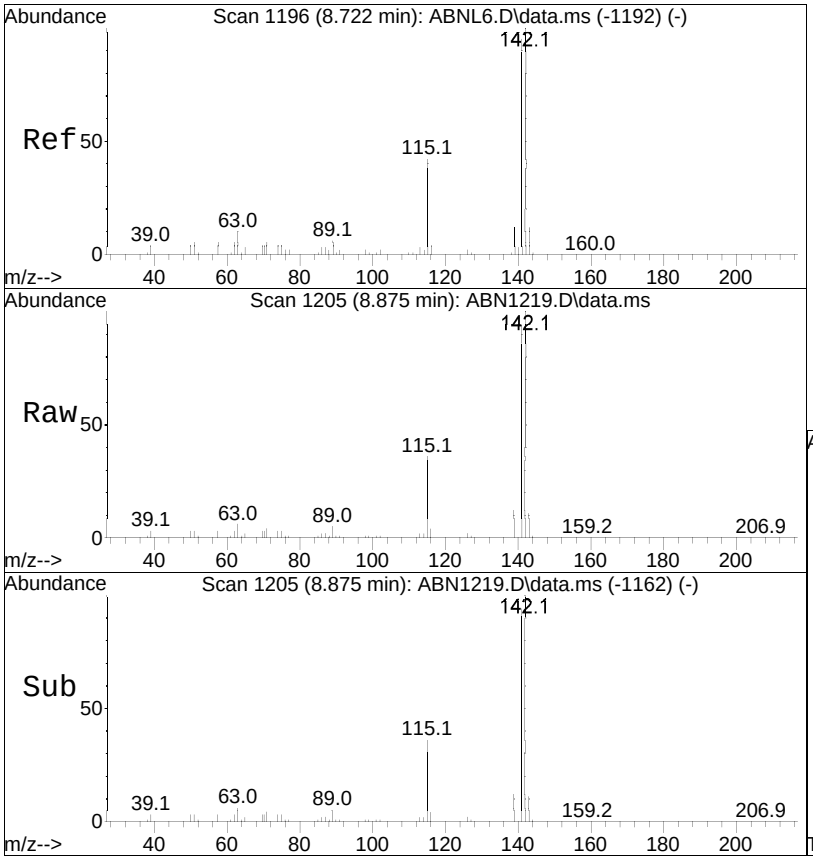


#41
2-Methylnaphthalene
Concen: 4.44 ug/ml
RT: 8.780 min Scan# 1189
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:142 Resp: 197436

Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.6	104.4
115	34.1	26.6	40.0

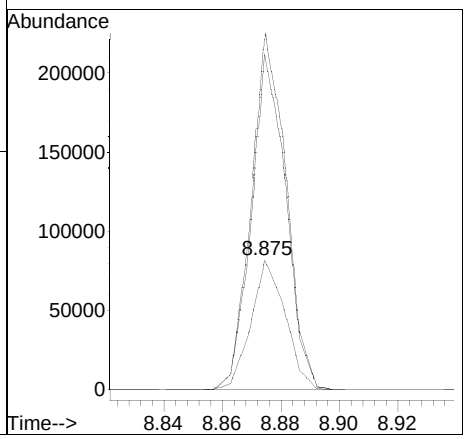


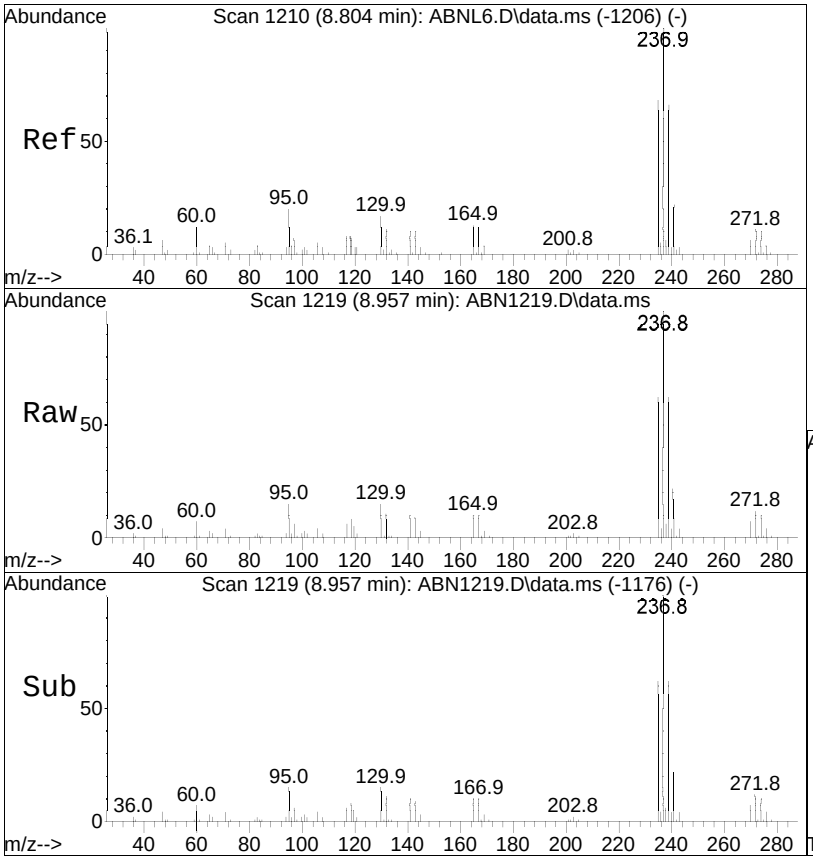


#42
1-Methylnaphthalene
Concen: 4.66 ug/ml
RT: 8.875 min Scan# 1205
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:115 Resp: 67036

Ion	Ratio	Lower	Upper
115	100		
141	257.8	207.8	311.6
142	277.3	226.8	340.2

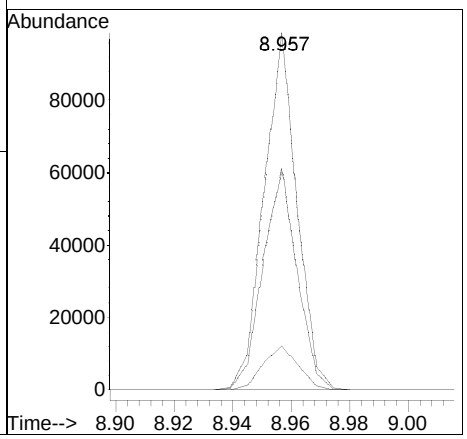


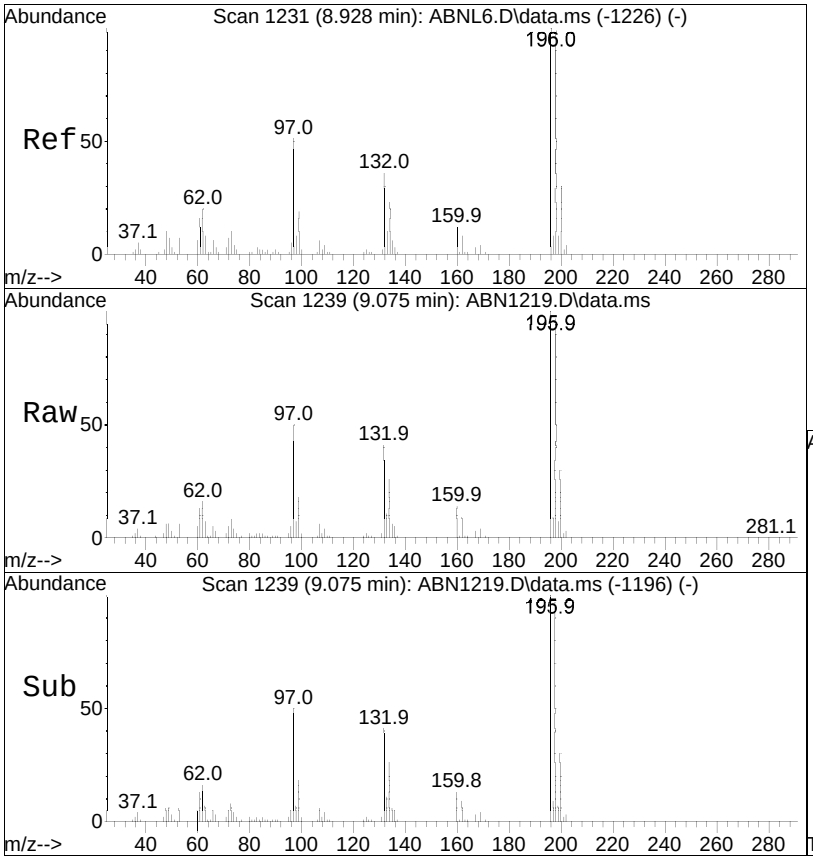


#43
Hexachlorocyclopentadiene
Concen: 4.95 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:237 Resp: 76512

Ion	Ratio	Lower	Upper
237	100		
235	64.4	49.7	74.5
272	13.3	9.8	14.6

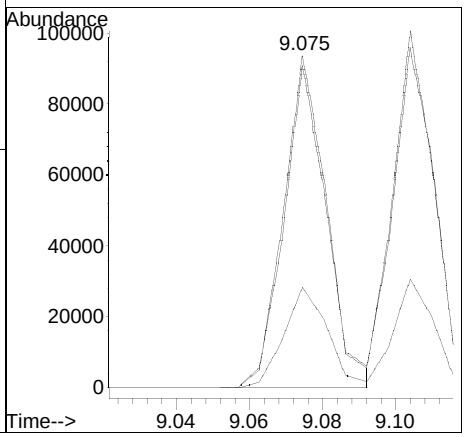


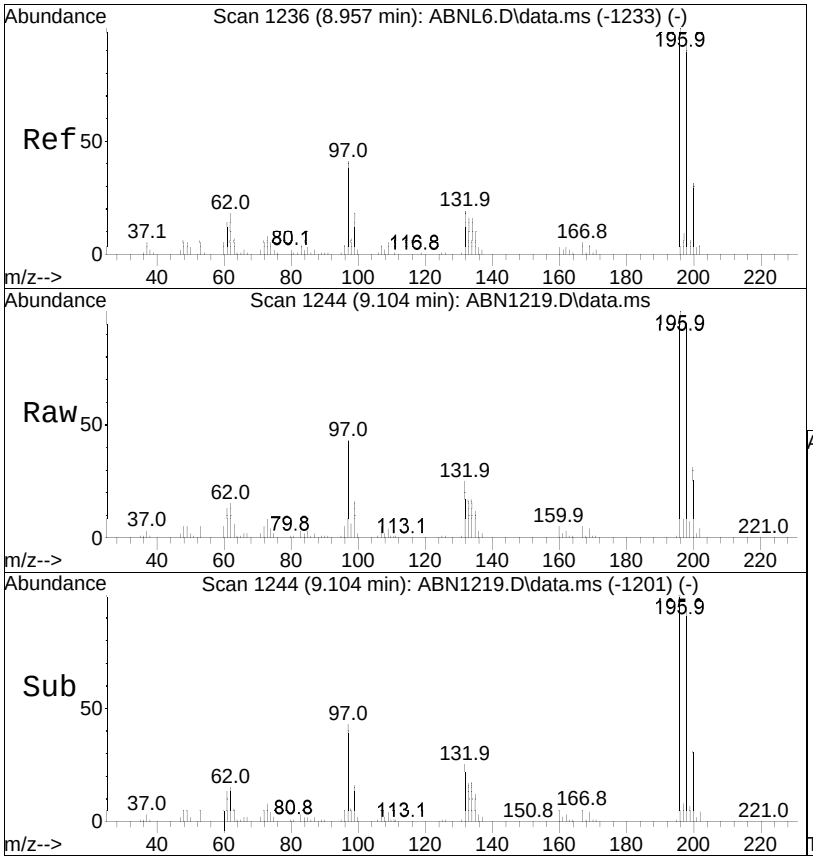


#44
2,4,6-Trichlorophenol
Concen: 4.72 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:196 Resp: 76663

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.5	116.3
200	30.9	23.8	35.6

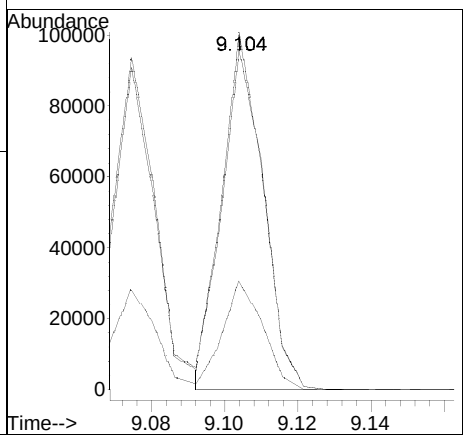


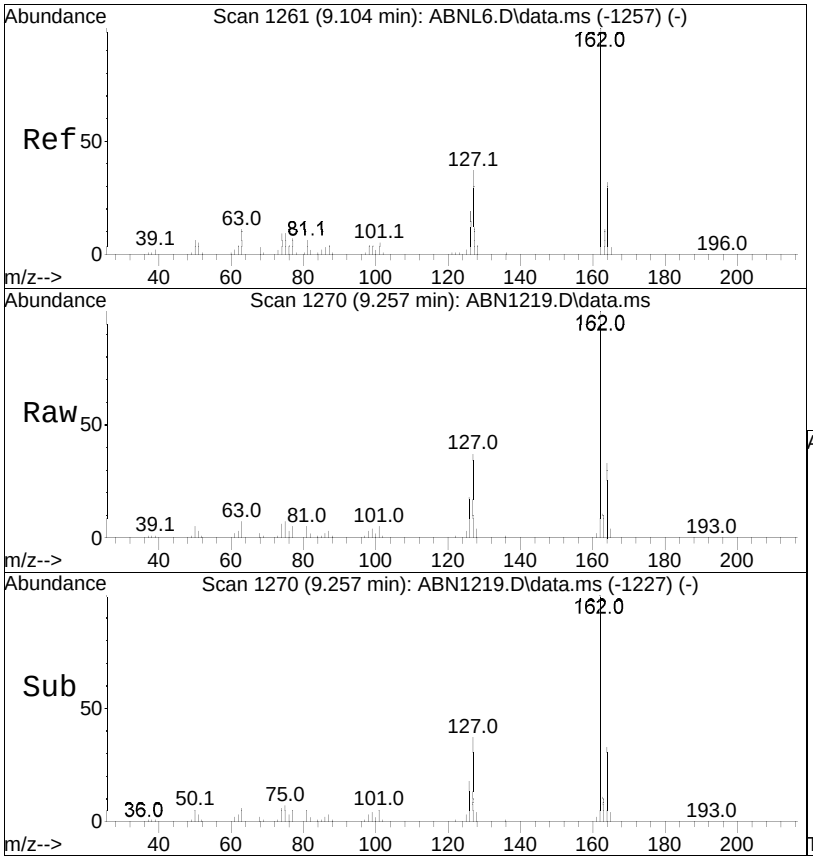


#45
2,4,5-Trichlorophenol
Concen: 4.63 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:196 Resp: 77984

Ion	Ratio	Lower	Upper
196	100		
200	30.1	25.4	38.0
198	97.7	78.0	117.0

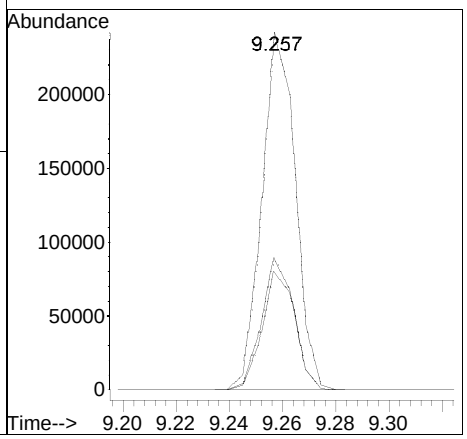


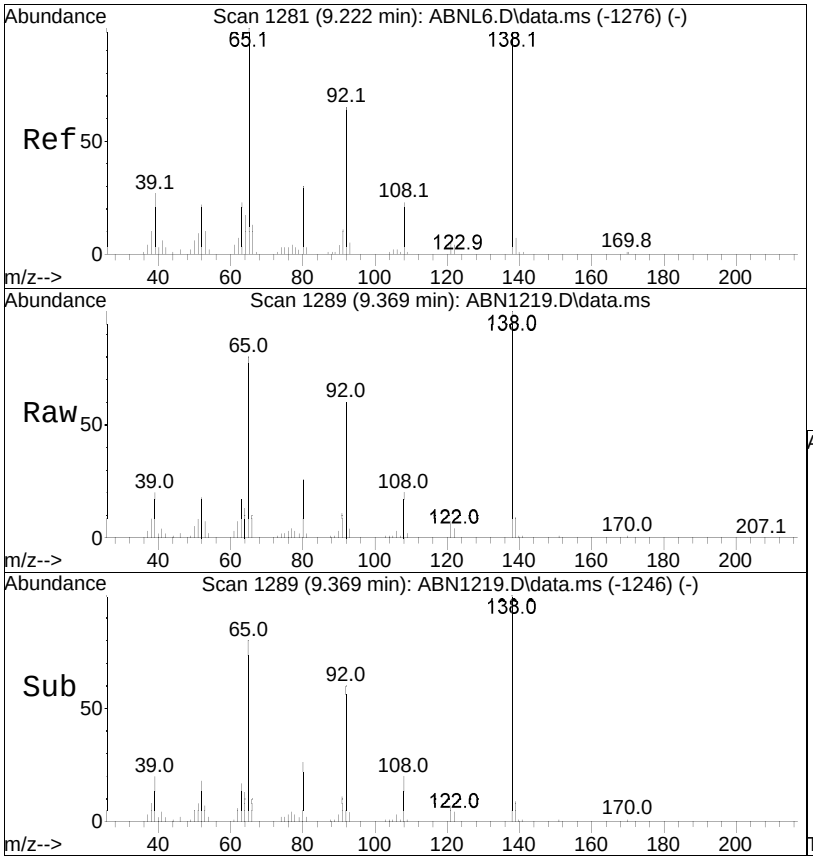


#47
2-Chloronaphthalene
Concen: 4.50 ug/ml
RT: 9.257 min Scan# 1270
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:162 Resp: 208641

Ion	Ratio	Lower	Upper
162	100		
127	36.0	32.2	48.4
164	32.7	25.7	38.5

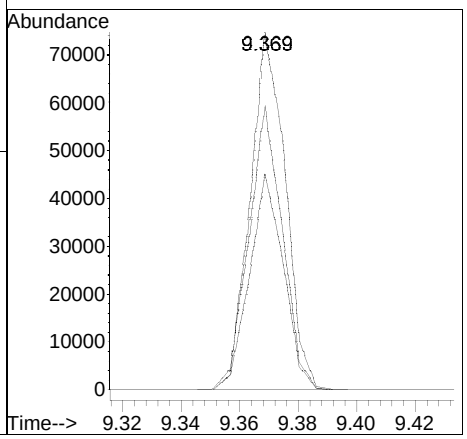


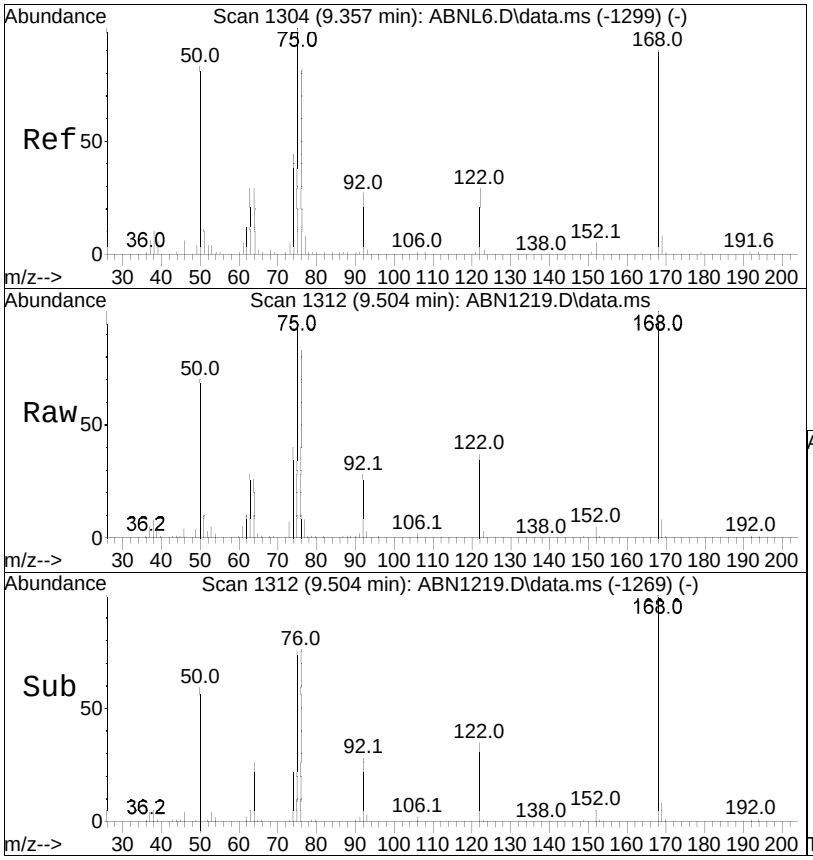


#48
2-Nitroaniline
Concen: 4.67 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:138 Resp: 61649

Ion	Ratio	Lower	Upper
138	100		
92	58.6	53.5	80.3
65	76.2	86.3	129.5#

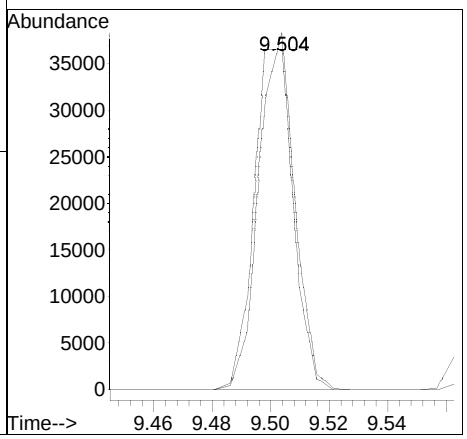


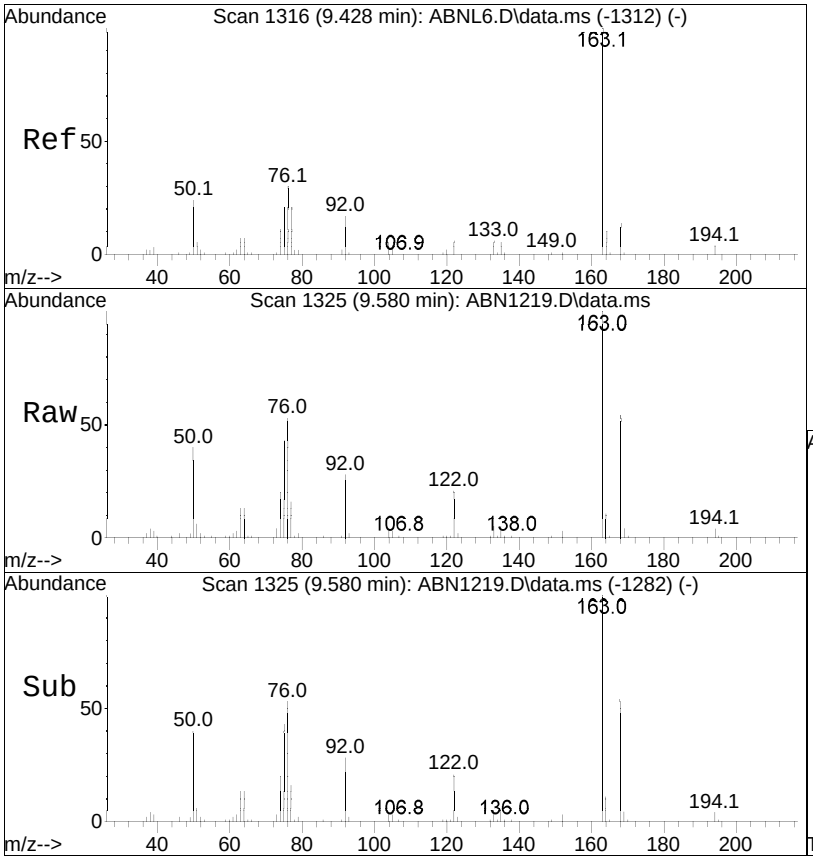


#49
1,4-Dinitrobenzene
Concen: 4.84 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:168 Resp: 32605

Ion	Ratio	Lower	Upper
168	100		
75	103.8	121.8	182.8#

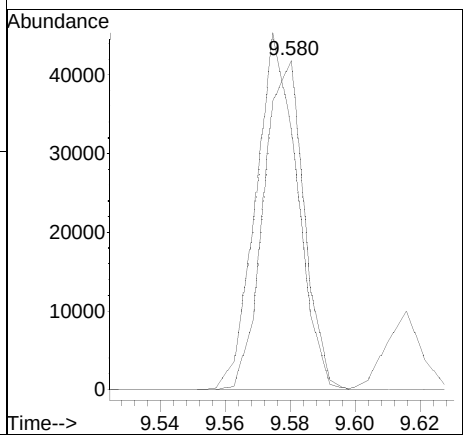


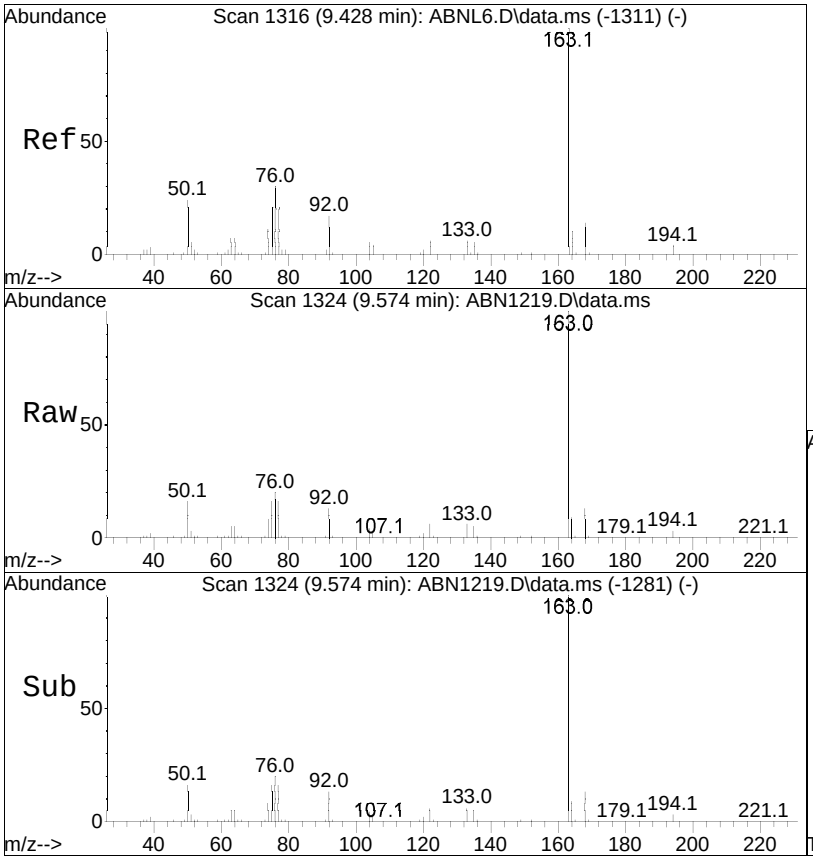


#50
1,3-Dinitrobenzene
Concen: 4.87 ug/ml
RT: 9.580 min Scan# 1325
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:168 Resp: 35930

Ion	Ratio	Lower	Upper
168	100		
75	110.8	22.7	34.1#

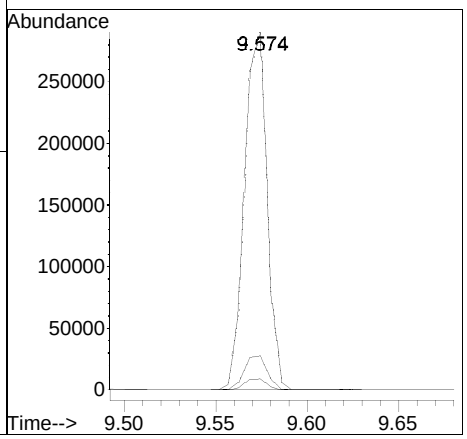


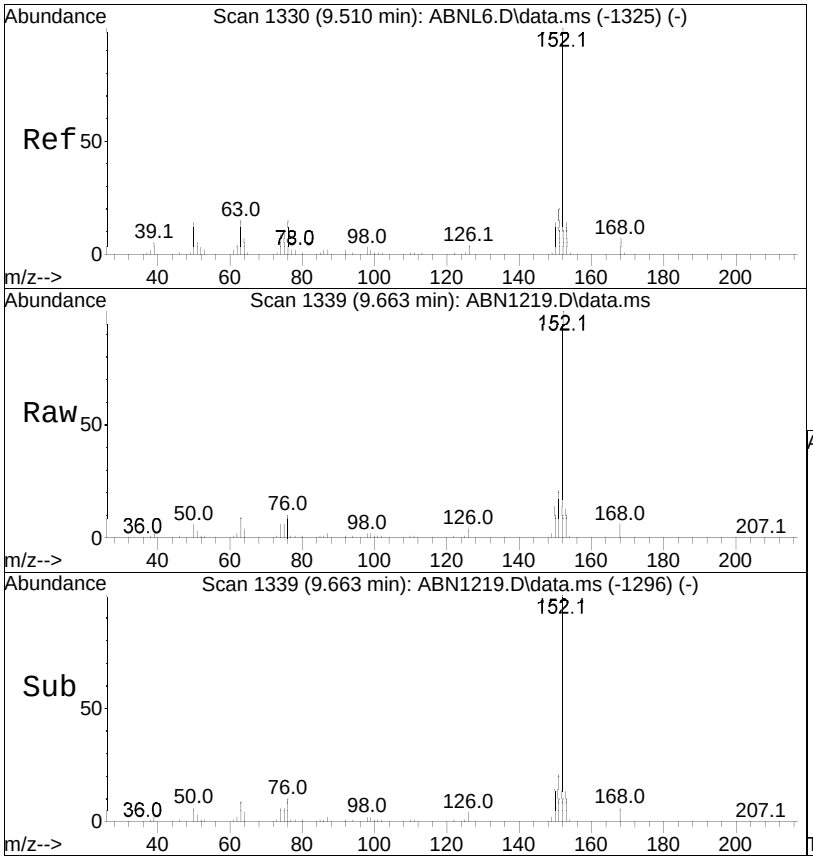


#51
Dimethyl phthalate
Concen: 4.55 ug/ml
RT: 9.574 min Scan# 1324
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:163 Resp: 245855

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	10.0	7.9	11.9

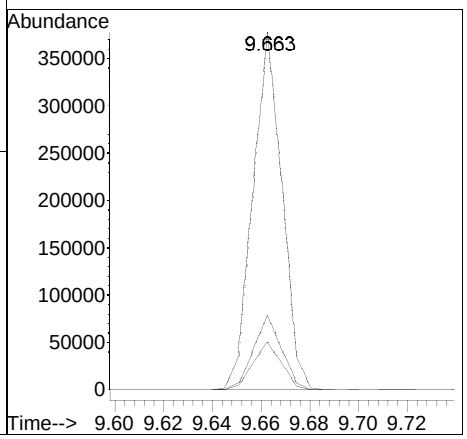


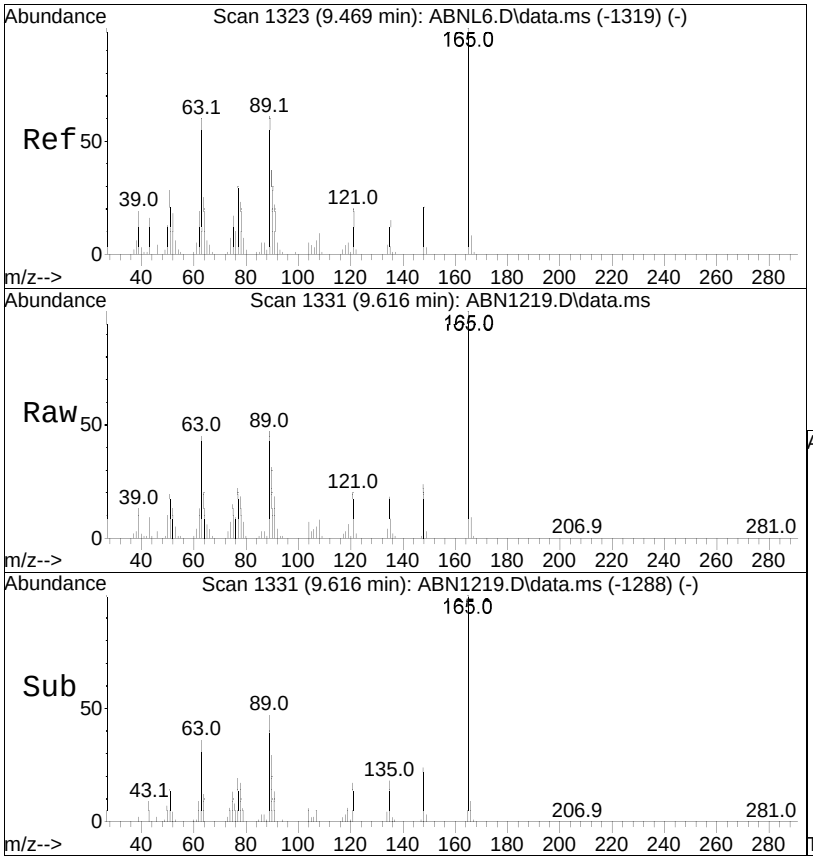


#52
Acenaphthylene
Concen: 4.49 ug/ml
RT: 9.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:152 Resp: 310527

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.2	10.5	15.7

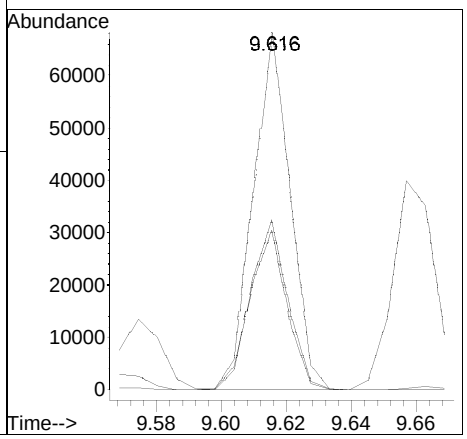


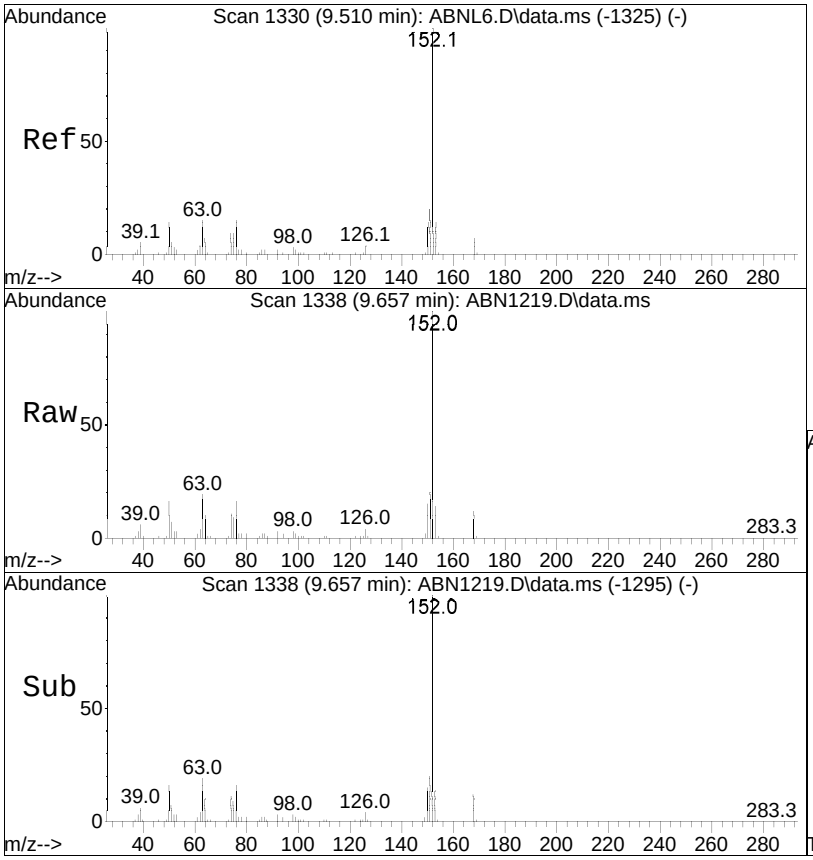


#53
2,6-Dinitrotoluene
Concen: 4.89 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:165 Resp: 53752

Ion	Ratio	Lower	Upper
165	100		
89	48.1	54.2	81.2#
63	45.1	64.2	96.2#

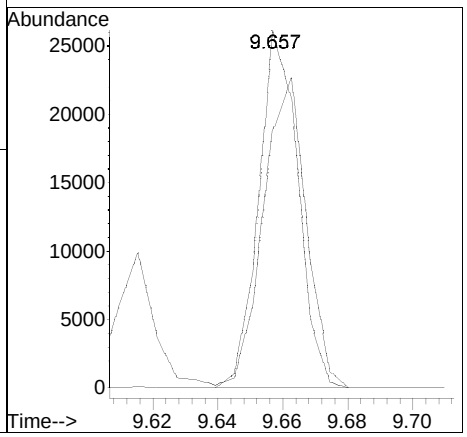


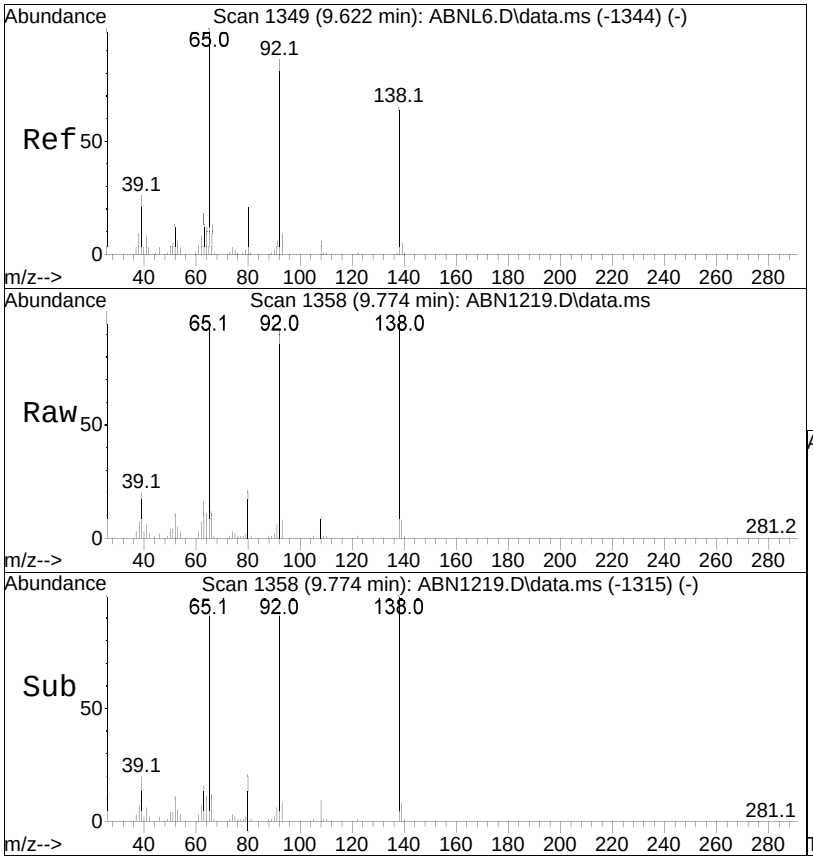


#54
1,2-Dinitrobenzene
Concen: 4.59 ug/ml
RT: 9.657 min Scan# 1338
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:168 Resp: 21850

Ion	Ratio	Lower	Upper
168	100		
75	94.7	30.9	46.3#

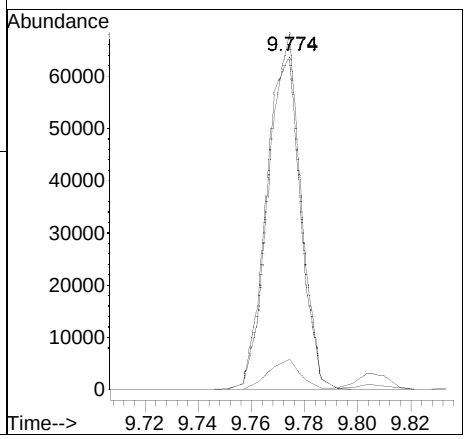


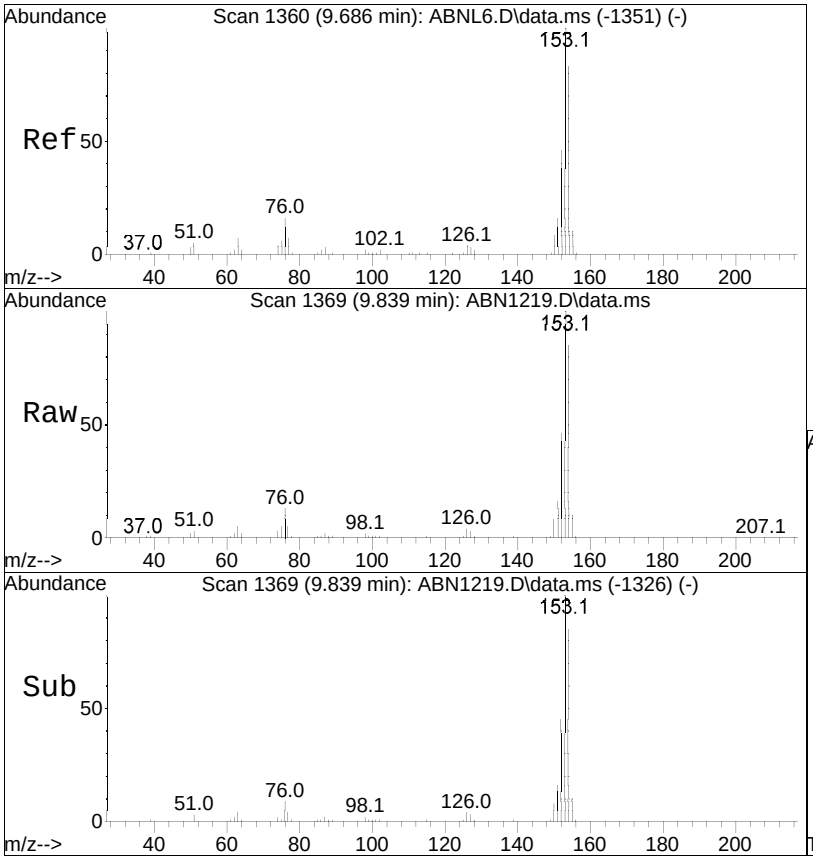


#64
3-Nitroaniline
Concen: 5.21 ug/ml
RT: 9.774 min Scan# 1358
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:138 Resp: 57059

Ion	Ratio	Lower	Upper
138	100		
92	99.6	93.4	140.2
108	8.5	9.5	14.3#

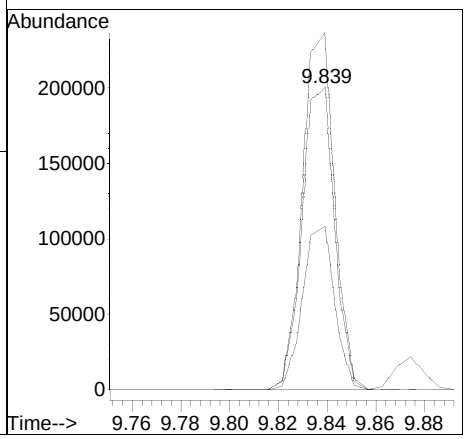


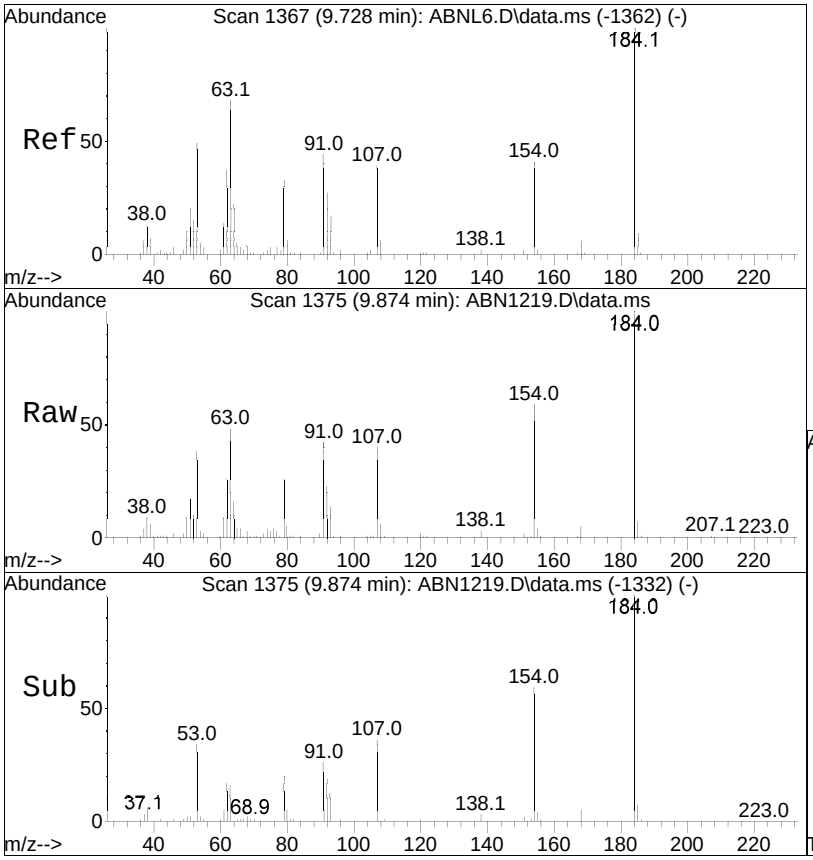


#65
Acenaphthene
Concen: 4.74 ug/ml
RT: 9.839 min Scan# 1369
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:154 Resp: 186011

Ion	Ratio	Lower	Upper
154	100		
153	116.6	85.3	127.9
152	53.6	41.4	62.0

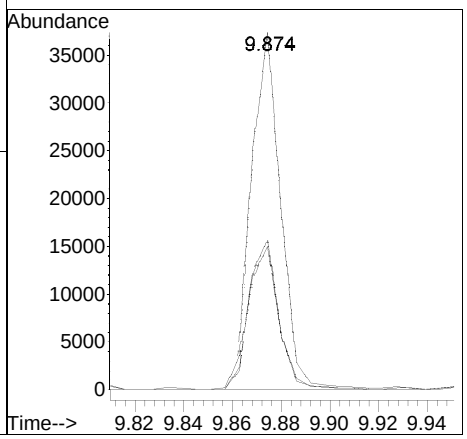


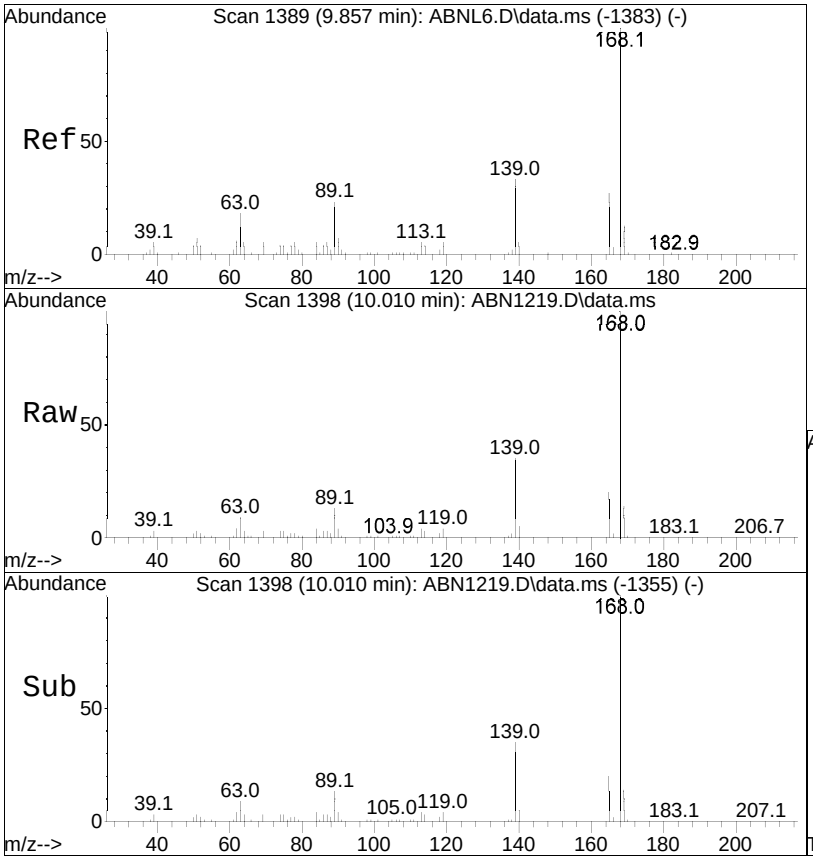


#66
2,4-Dinitrophenol
Concen: 4.80 ug/ml
RT: 9.874 min Scan# 1375
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:184 Resp: 31183

Ion	Ratio	Lower	Upper
184	100		
107	41.1	37.7	56.5
91	42.5	46.3	69.5#

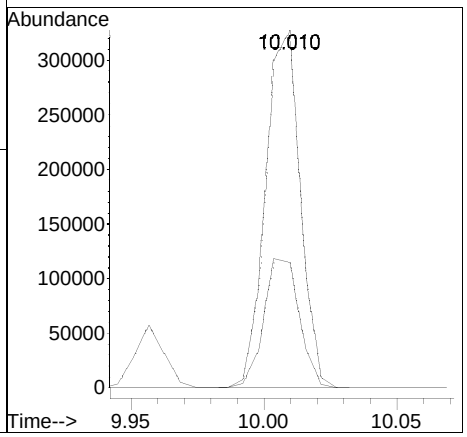


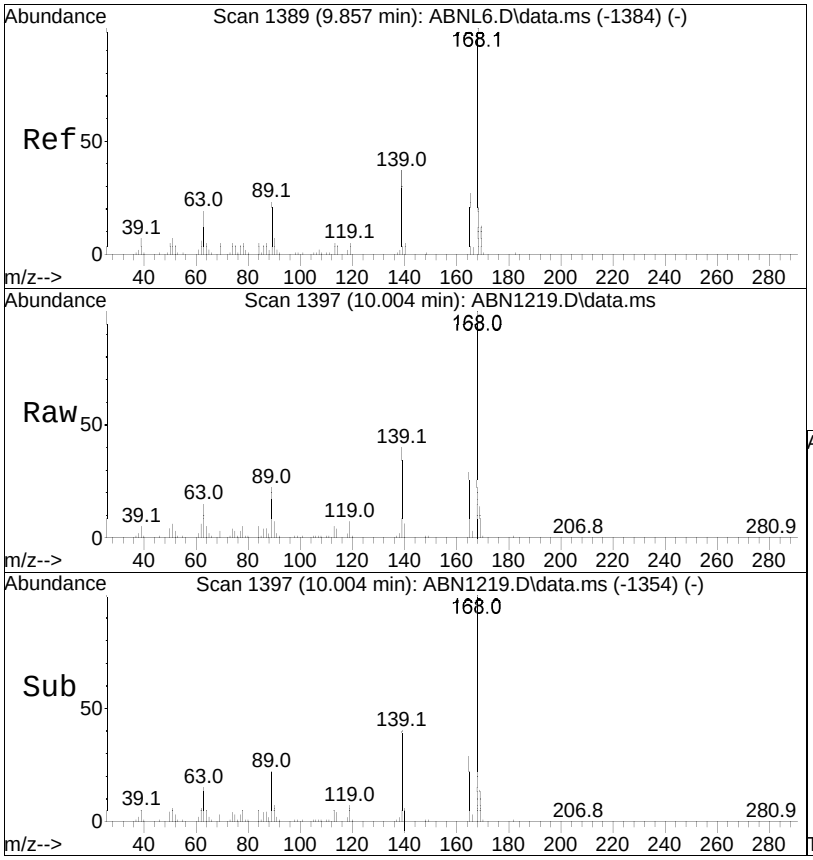


#67
Dibenzofuran
Concen: 4.64 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:168 Resp: 294678

Ion	Ratio	Lower	Upper
168	100		
139	37.4	31.4	47.2

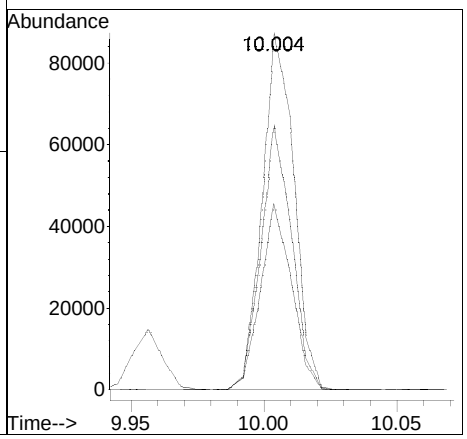


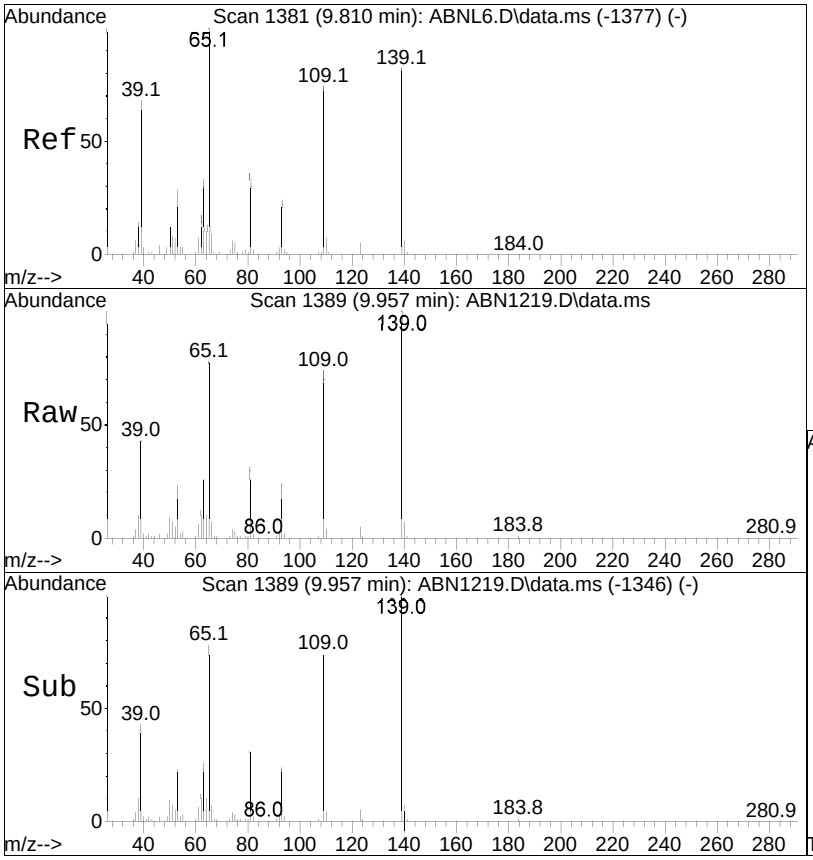


#68
2,4-Dinitrotoluene
Concen: 5.05 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:165 Resp: 71744

Ion	Ratio	Lower	Upper
165	100		
89	71.6	72.0	108.0#
63	51.6	52.7	79.1#

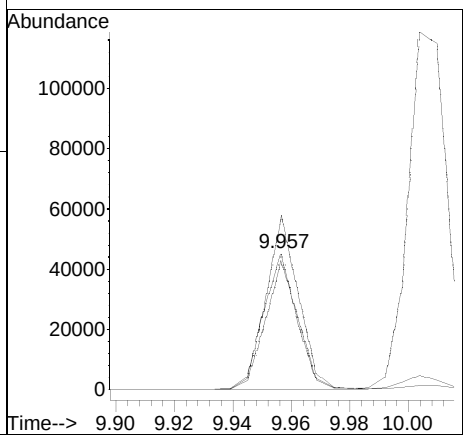


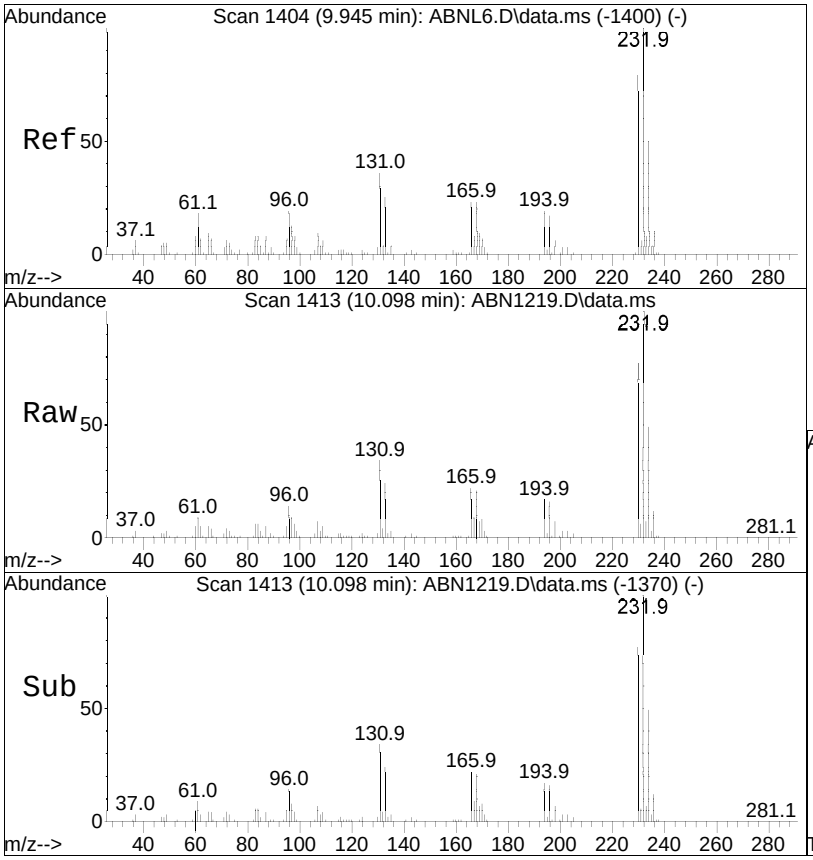


#69
4-Nitrophenol
Concen: 4.43 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 65 Resp: 35847

Ion	Ratio	Lower	Upper
65	100		
109	93.4	47.4	71.2#
139	124.5	76.6	115.0#

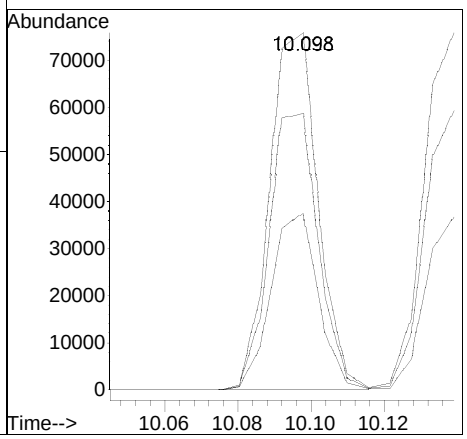


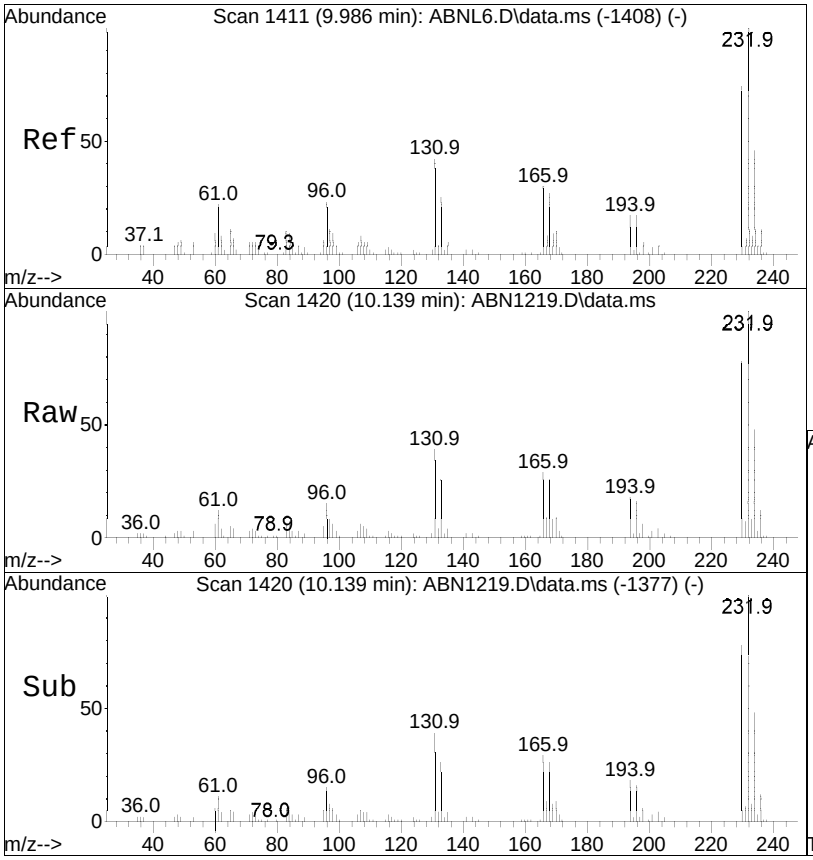


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.28 ug/ml
RT: 10.098 min Scan# 1413
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:232 Resp: 69934

Ion	Ratio	Lower	Upper
232	100		
230	78.5	64.2	96.4
234	48.4	38.1	57.1

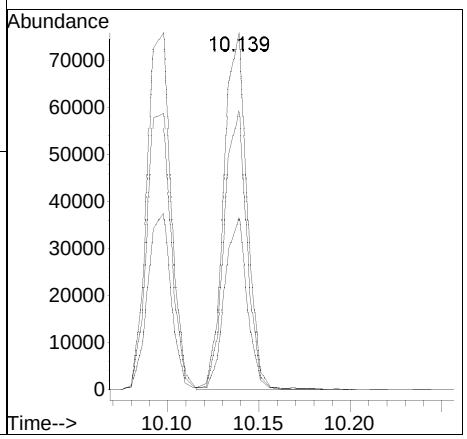


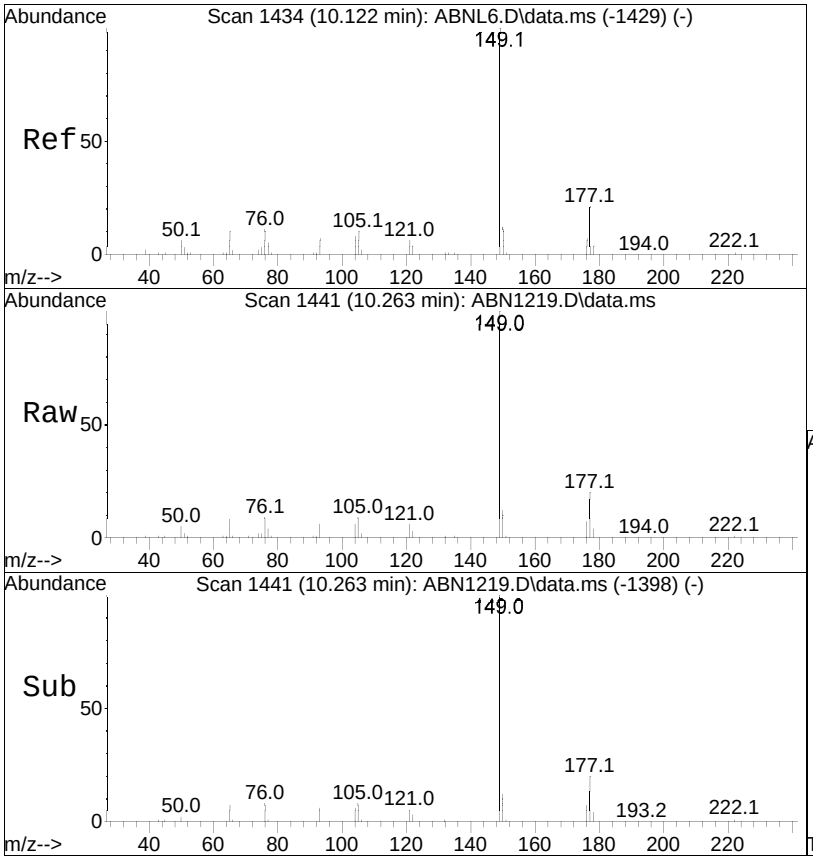


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.16 ug/ml
RT: 10.139 min Scan# 1420
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:232 Resp: 67415

Ion	Ratio	Lower	Upper
232	100		
230	76.9	61.8	92.8
234	47.1	36.2	54.2

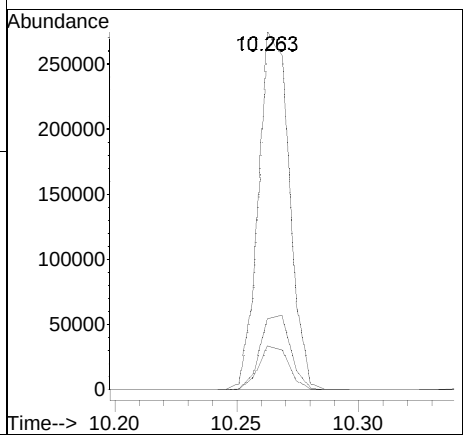


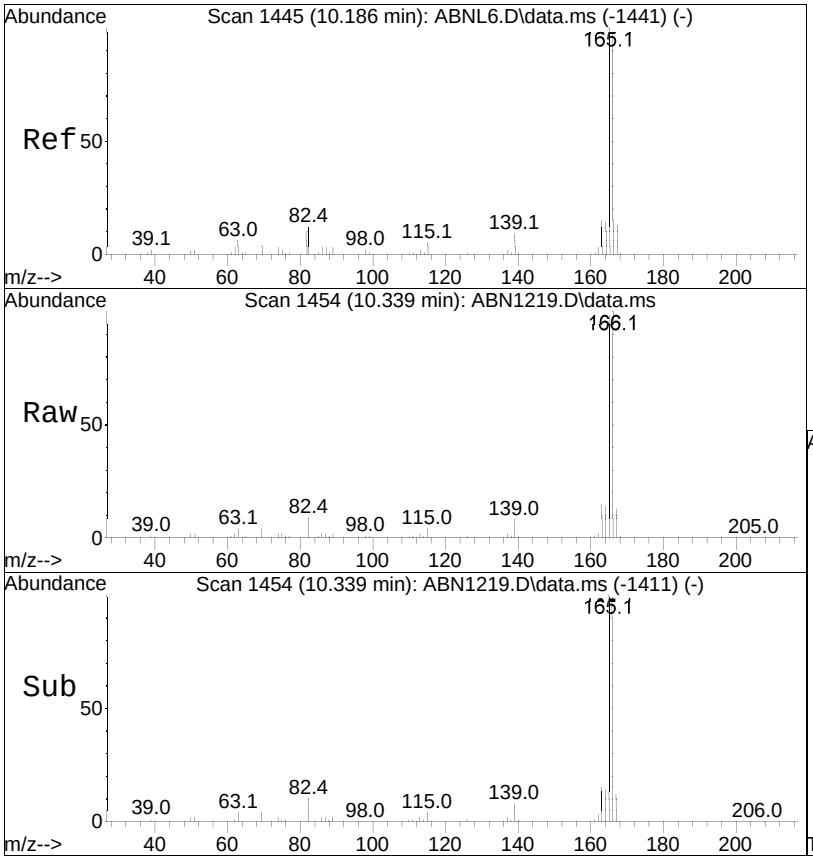


#72
Diethyl phthalate
Concen: 4.63 ug/ml
RT: 10.263 min Scan# 1441
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:149 Resp: 238454

Ion	Ratio	Lower	Upper
149	100		
177	20.7	16.1	24.1
150	12.1	9.4	14.2

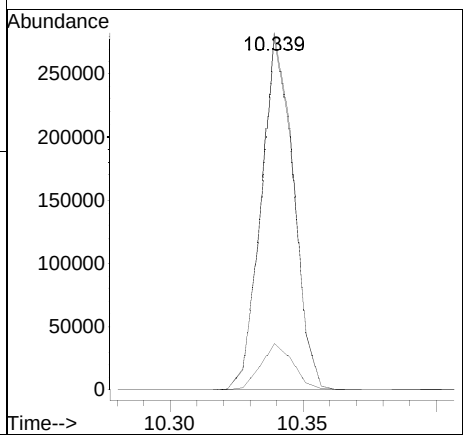


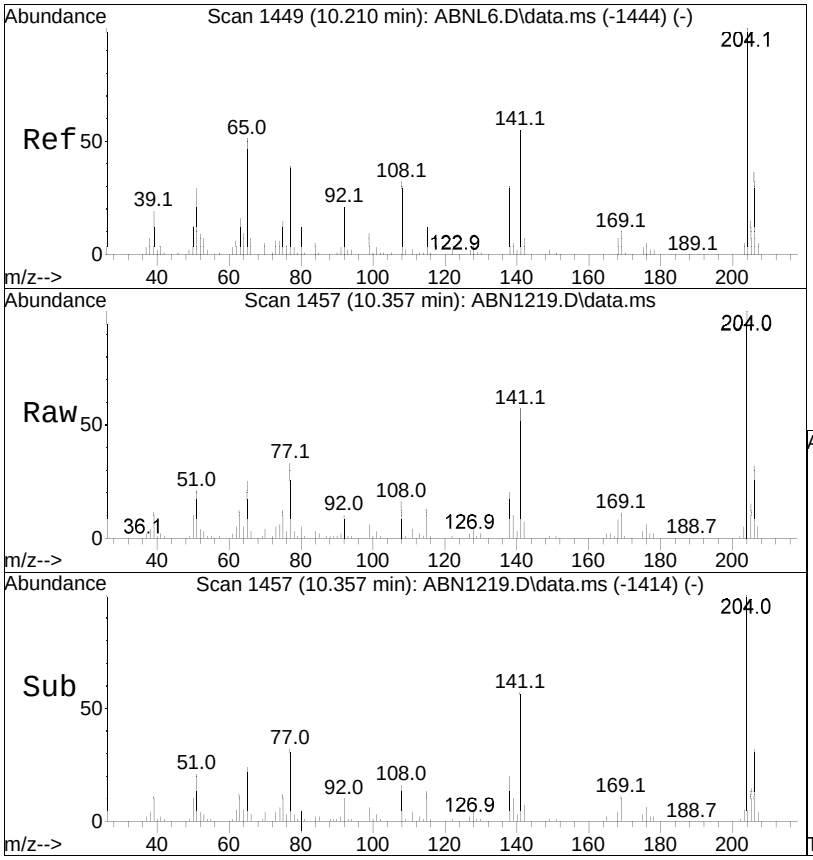


#73
Fluorene
Concen: 4.81 ug/ml
RT: 10.339 min Scan# 1454
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:166 Resp: 238463

Ion	Ratio	Lower	Upper
166	100		
165	98.6	76.2	114.2
167	13.1	10.6	15.8

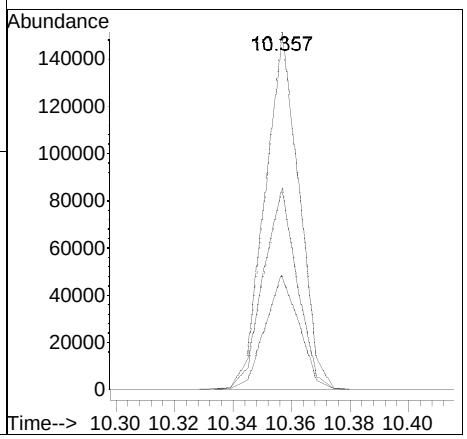


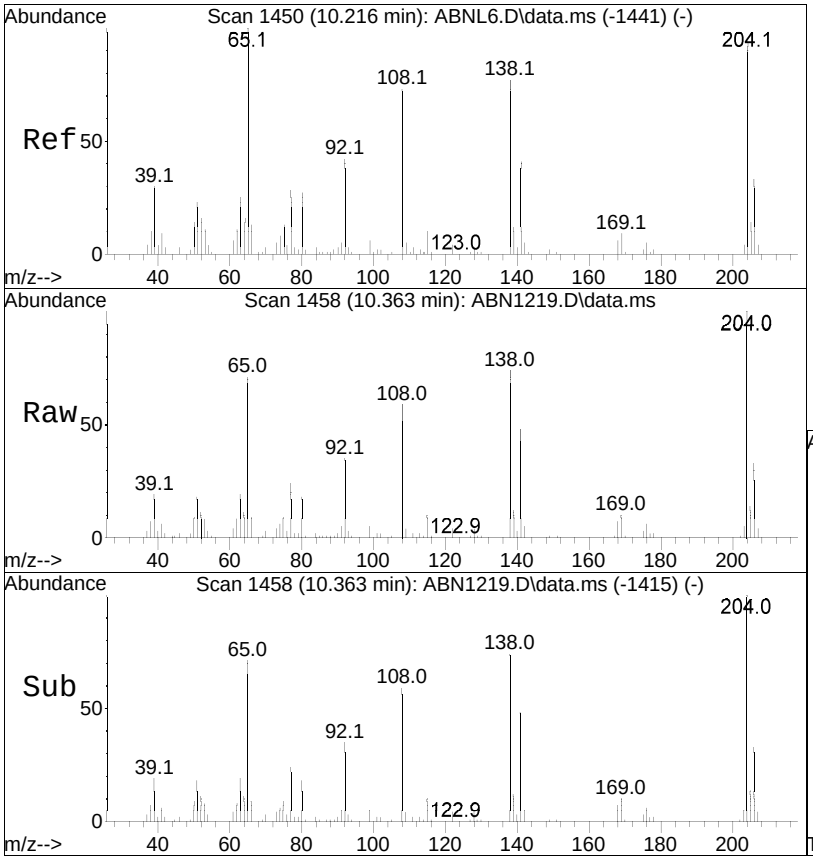


#74
4-Chlorophenyl phenyl ether
Concen: 4.77 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:204 Resp: 121353

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	56.3	53.6	80.4

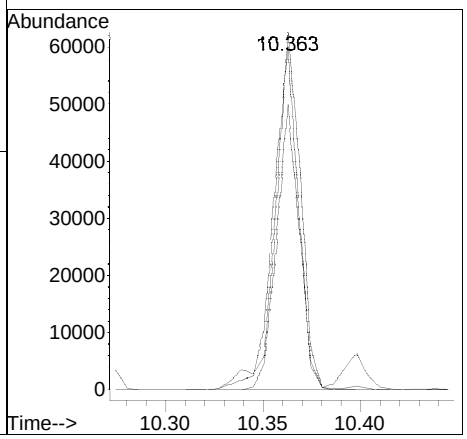


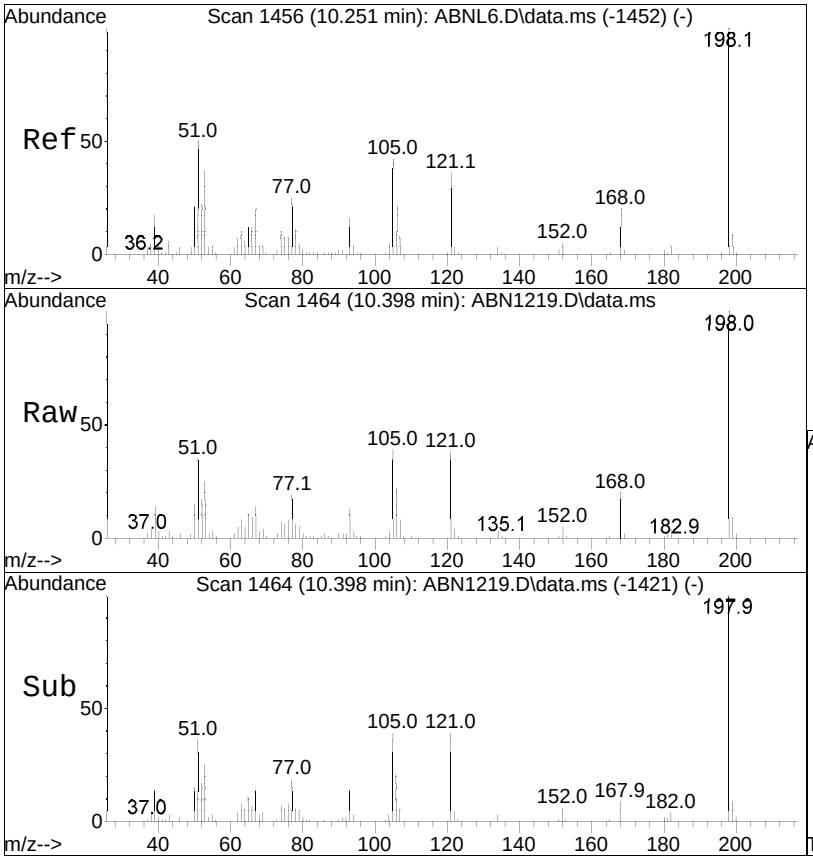


#75
4-Nitroaniline
Concen: 4.92 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:138 Resp: 54857

Ion	Ratio	Lower	Upper
138	100		
108	73.1	52.1	78.1
65	95.5	115.0	172.6#

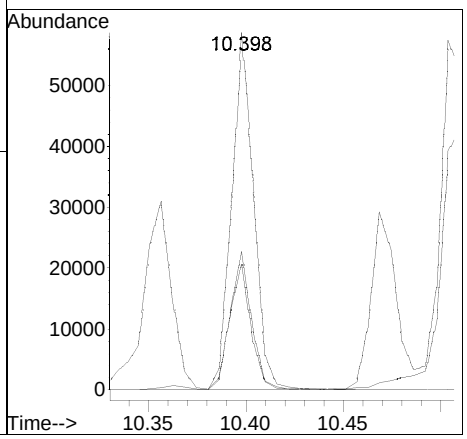


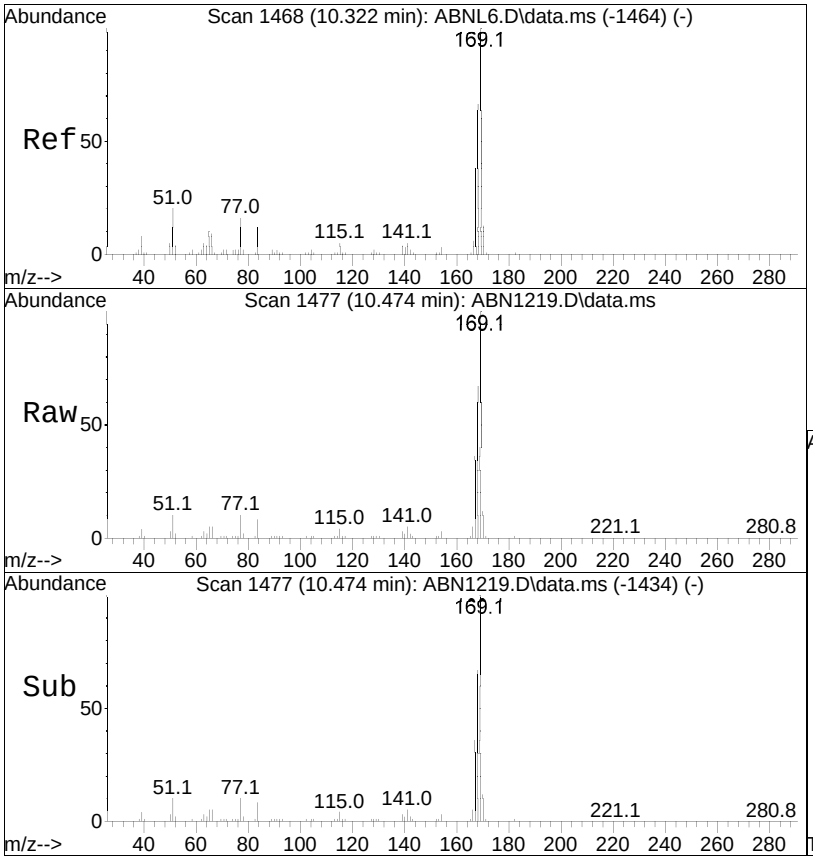


#76
4,6-Dinitro-o-cresol
Concen: 4.80 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:198 Resp: 45963

Ion	Ratio	Lower	Upper
198	100		
51	34.7	76.0	114.0#
105	37.4	45.6	68.4#

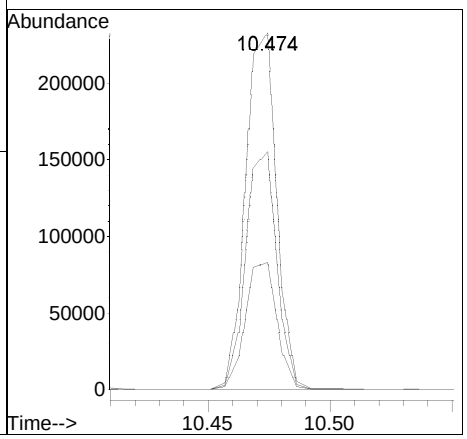


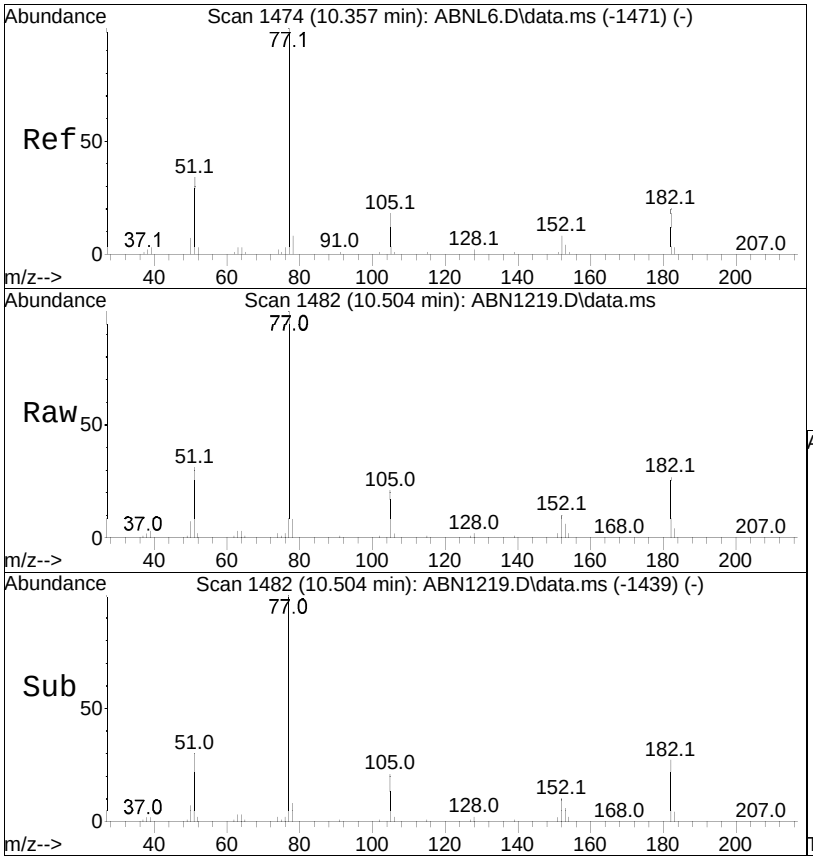


#77
NDPA/DPA
Concen: 4.82 ug/ml
RT: 10.474 min Scan# 1477
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:169 Resp: 206159

Ion	Ratio	Lower	Upper
169	100		
168	66.7	54.0	81.0
167	36.6	28.6	42.8

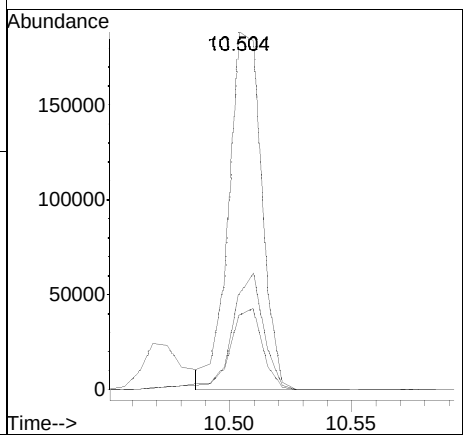


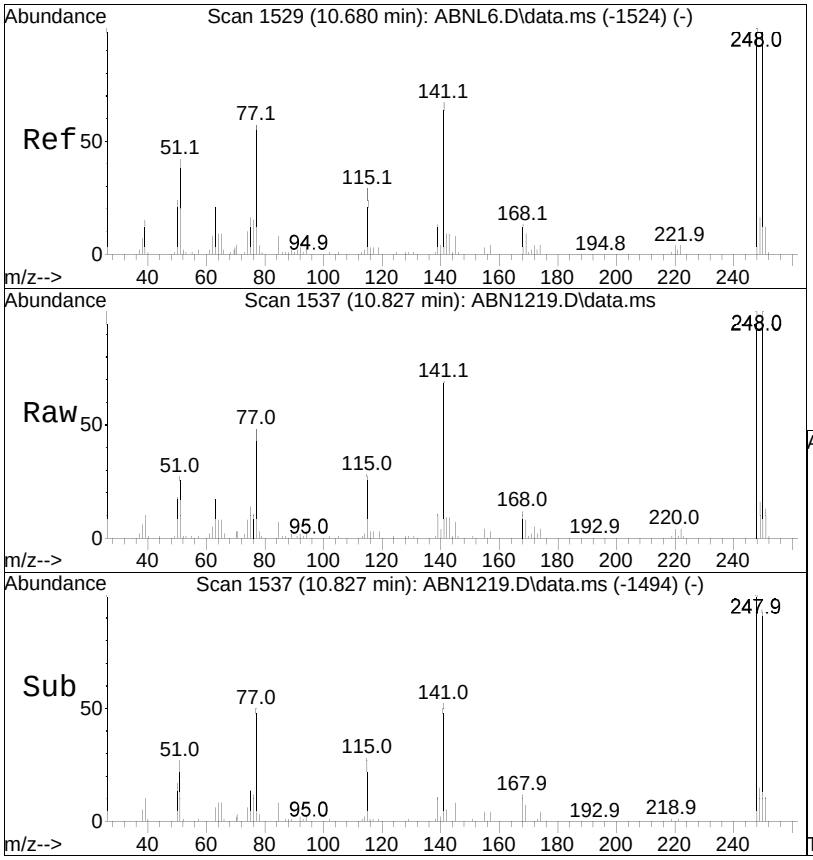


#78
Azobenzene
Concen: 4.20 ug/ml
RT: 10.504 min Scan# 1482
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion: 77 Resp: 175352

Ion	Ratio	Lower	Upper
77	100		
182	32.1	17.4	26.2#
105	23.9	15.4	23.2#

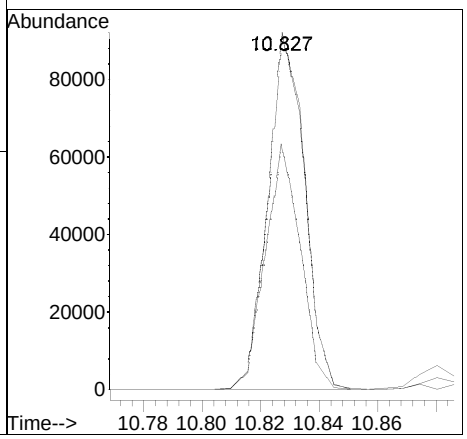


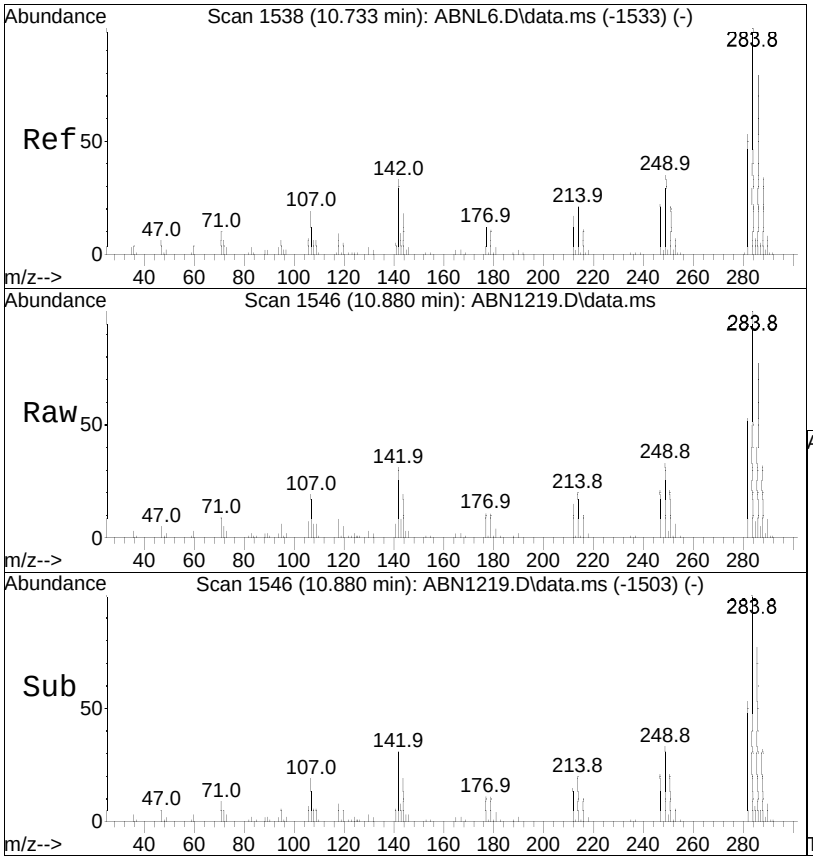


#80
4-Bromophenyl phenyl ether
Concen: 5.01 ug/ml
RT: 10.827 min Scan# 1537
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:248 Resp: 78925

Ion	Ratio	Lower	Upper
248	100		
141	66.5	76.6	114.8#
250	100.8	77.3	115.9

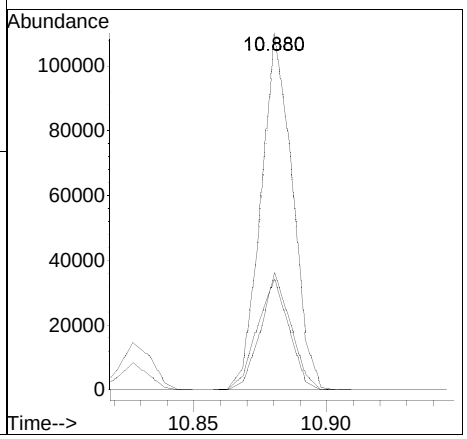


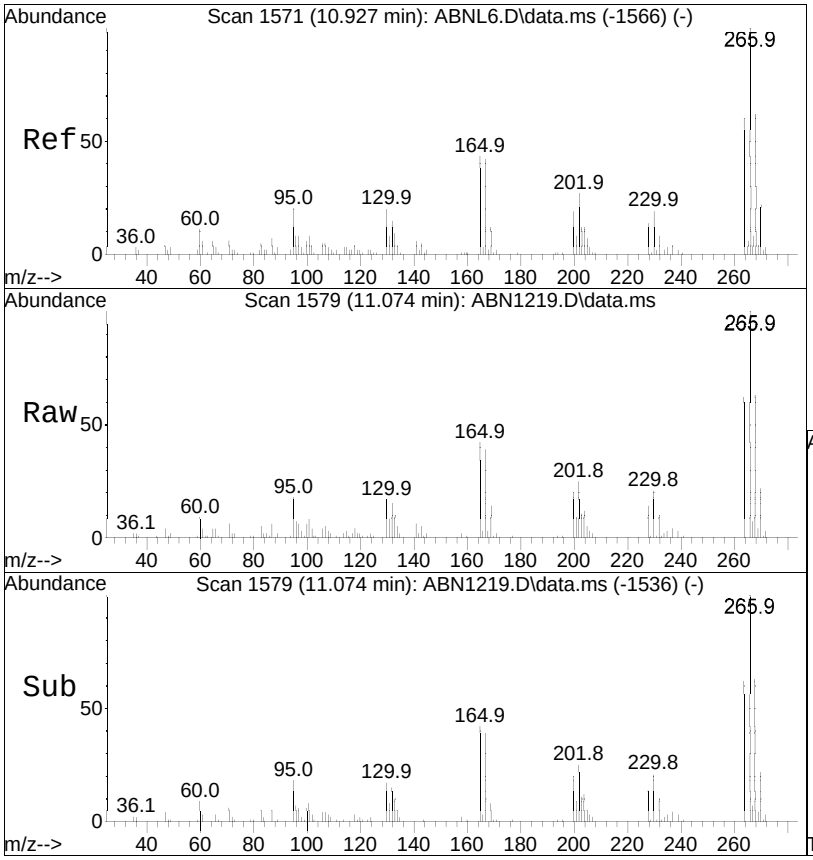


#81
Hexachlorobenzene
Concen: 5.05 ug/ml
RT: 10.880 min Scan# 1546
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:284 Resp: 90130

Ion	Ratio	Lower	Upper
284	100		
142	31.6	41.9	62.9#
249	31.5	24.1	36.1

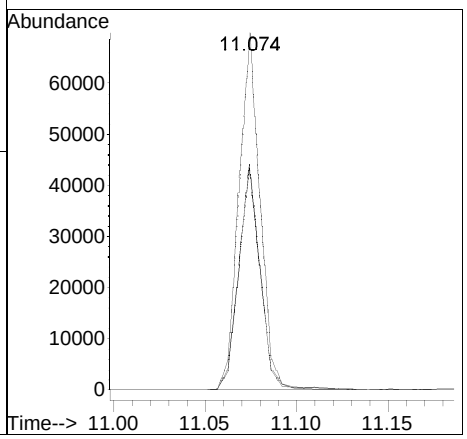


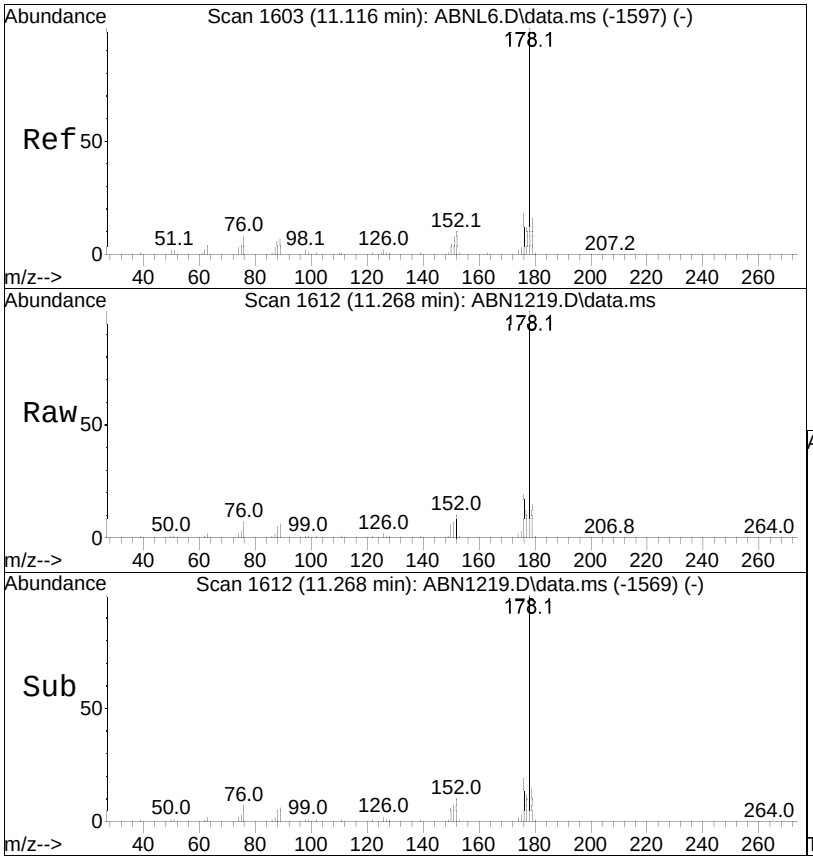


#82
Pentachlorophenol
Concen: 5.21 ug/ml
RT: 11.074 min Scan# 1579
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:266 Resp: 56254

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.7	74.5
268	63.4	50.5	75.7

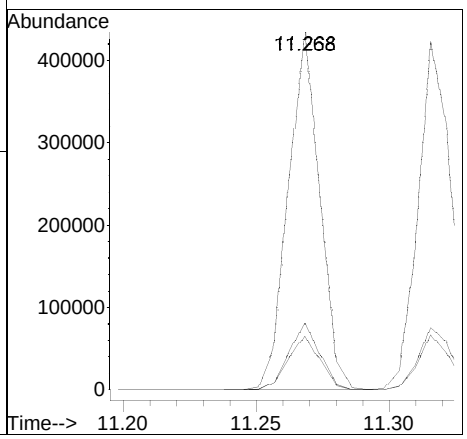


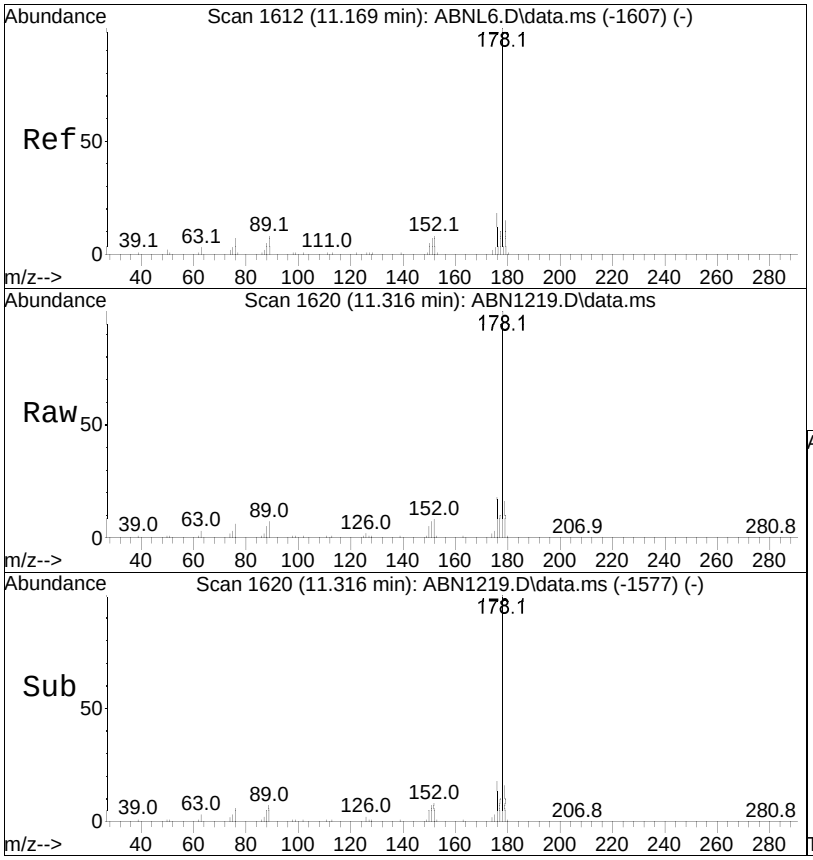


#89
Phenanthrene
Concen: 4.59 ug/ml
RT: 11.268 min Scan# 1612
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:178 Resp: 357776

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.3	15.4	23.2

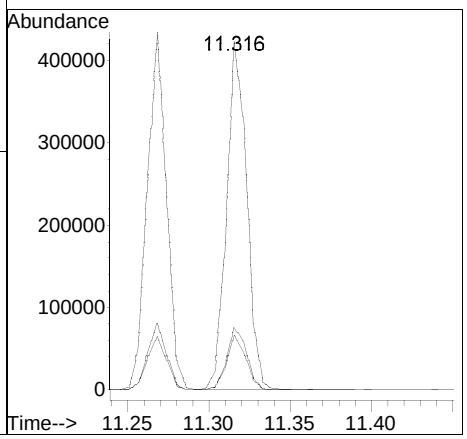


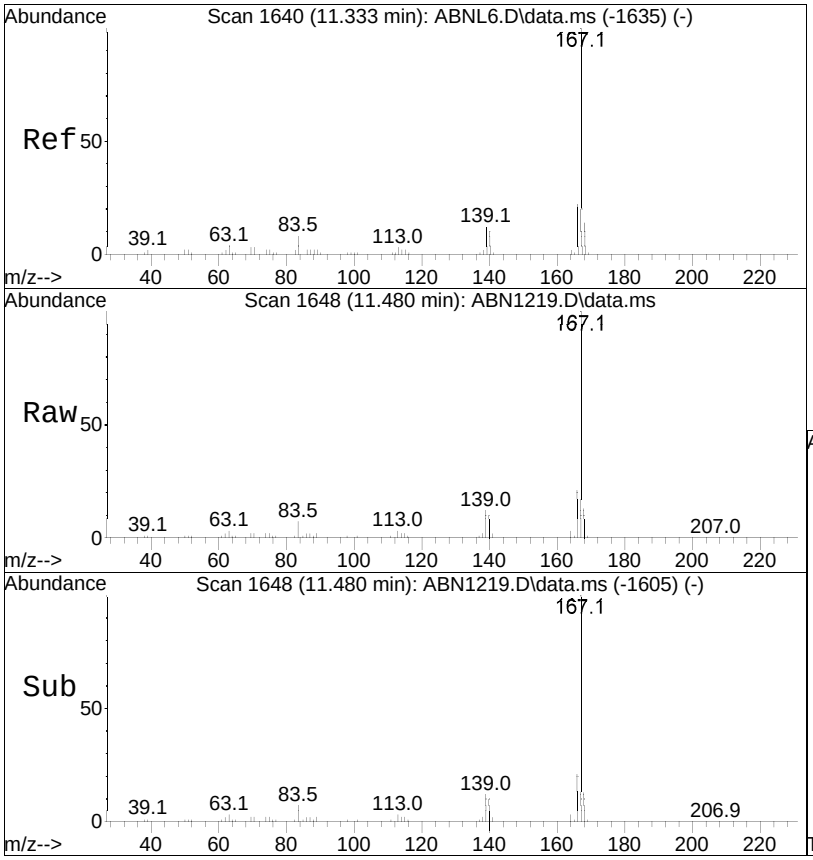


#90
Anthracene
Concen: 4.69 ug/ml
RT: 11.316 min Scan# 1620
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:178 Resp: 364859

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	17.8	14.6	22.0

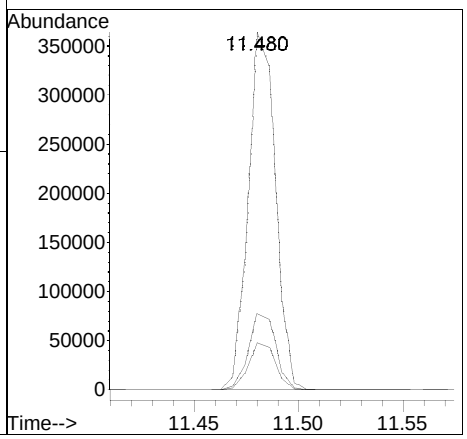


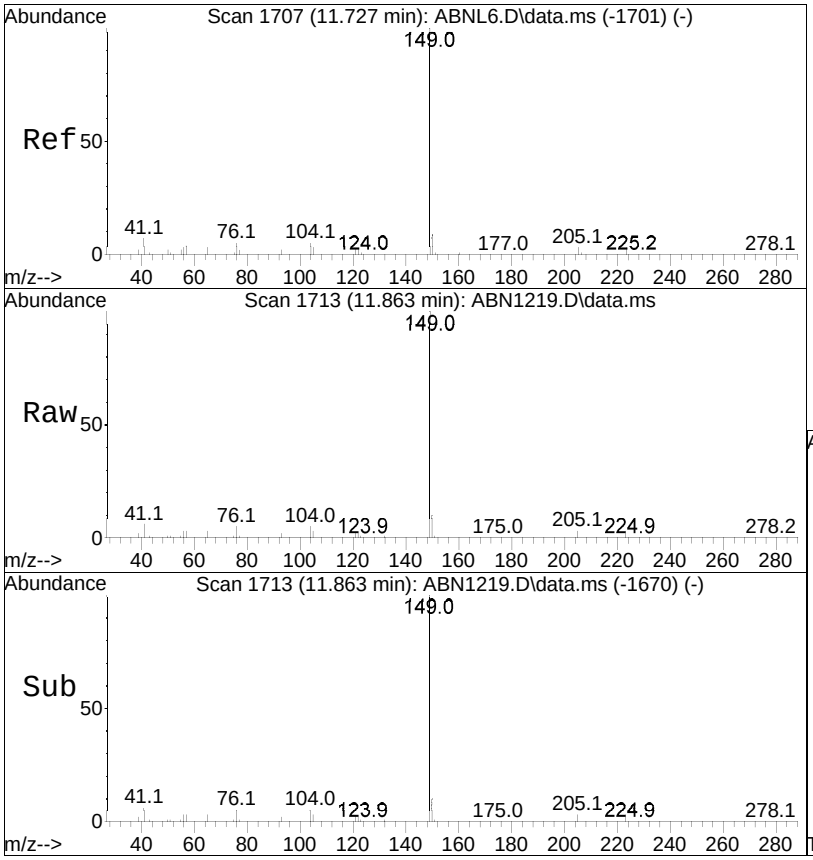


#91
Carbazole
Concen: 4.68 ug/ml
RT: 11.480 min Scan# 1648
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:167 Resp: 327785

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.6	15.8
166	21.5	17.4	26.0

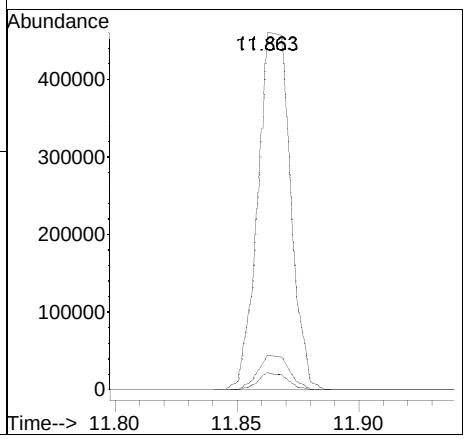


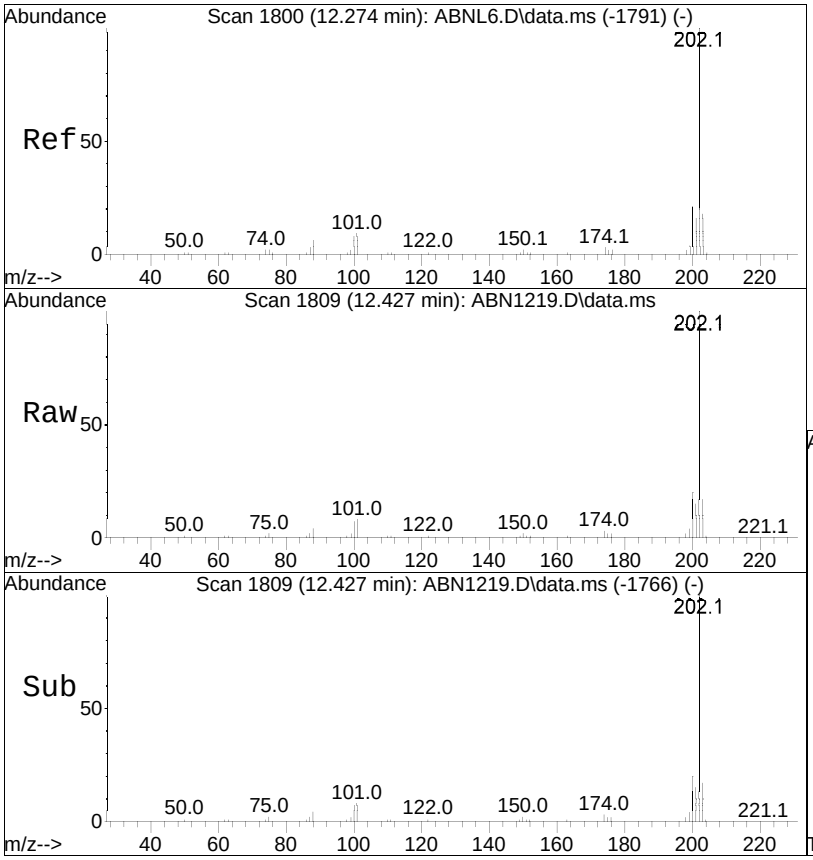


#92
Di-n-butylphthalate
Concen: 4.82 ug/ml
RT: 11.863 min Scan# 1713
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:149 Resp: 422285

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.0	10.6
104	4.5	4.5	6.7

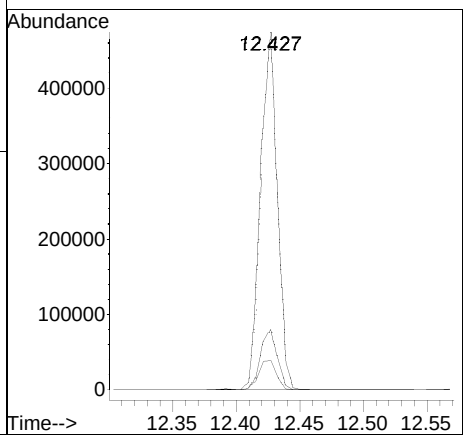


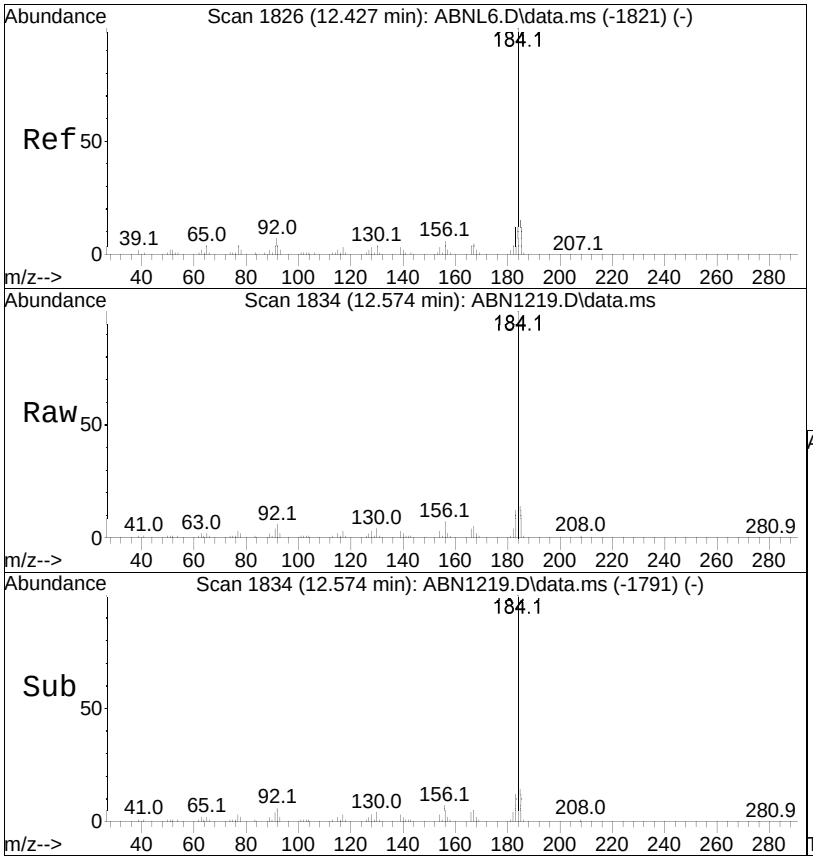


#93
Fluoranthene
Concen: 4.76 ug/ml
RT: 12.427 min Scan# 1809
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:202 Resp: 427592

Ion	Ratio	Lower	Upper
202	100		
101	8.9	13.5	20.3#
203	17.1	13.6	20.4

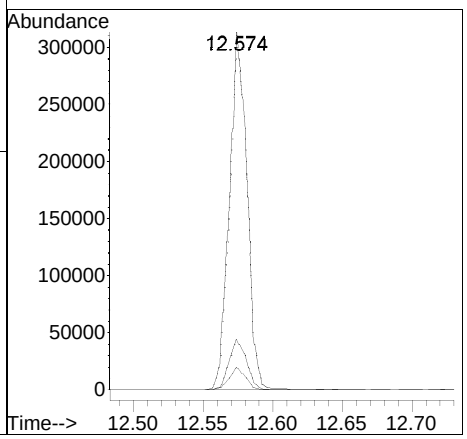


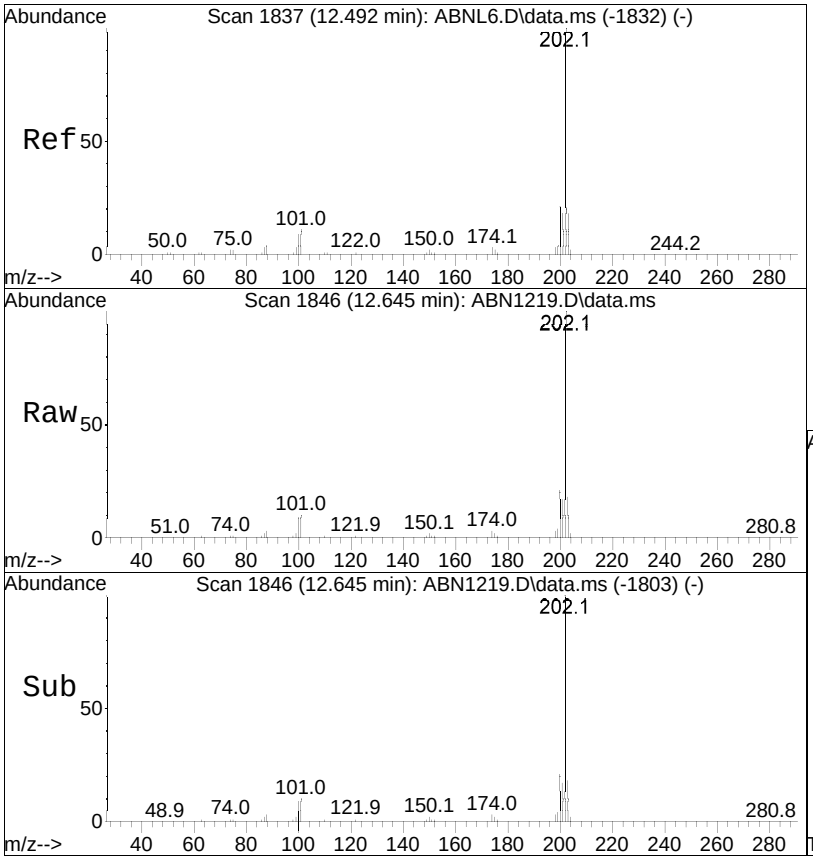


#94
Benzidine
Concen: 5.23 ug/ml
RT: 12.574 min Scan# 1834
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:184 Resp: 269635

Ion	Ratio	Lower	Upper
184	100		
92	6.0	9.1	13.7#
185	14.3	11.1	16.7

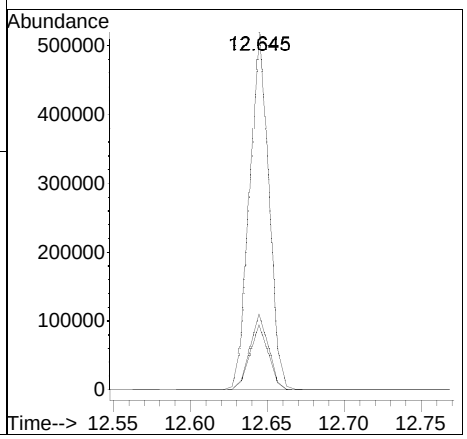


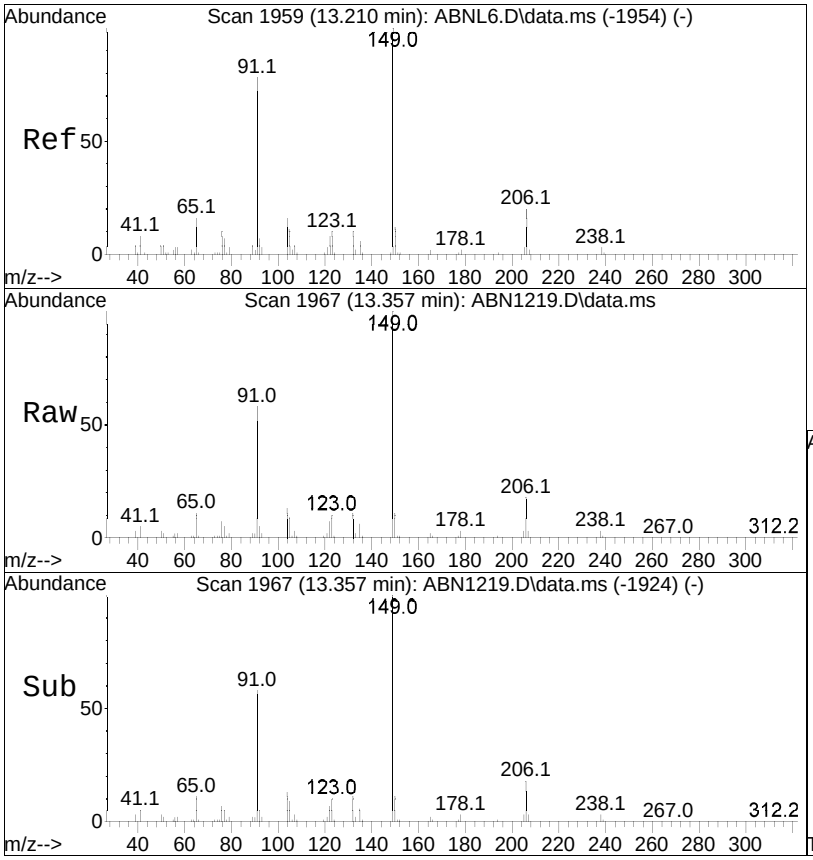


#95
Pyrene
Concen: 4.75 ug/ml
RT: 12.645 min Scan# 1846
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:202 Resp: 450361

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.7	14.2	21.4

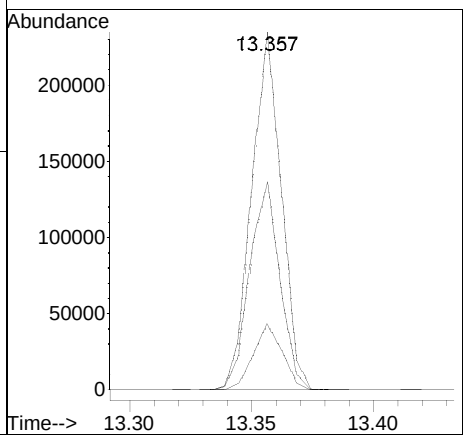


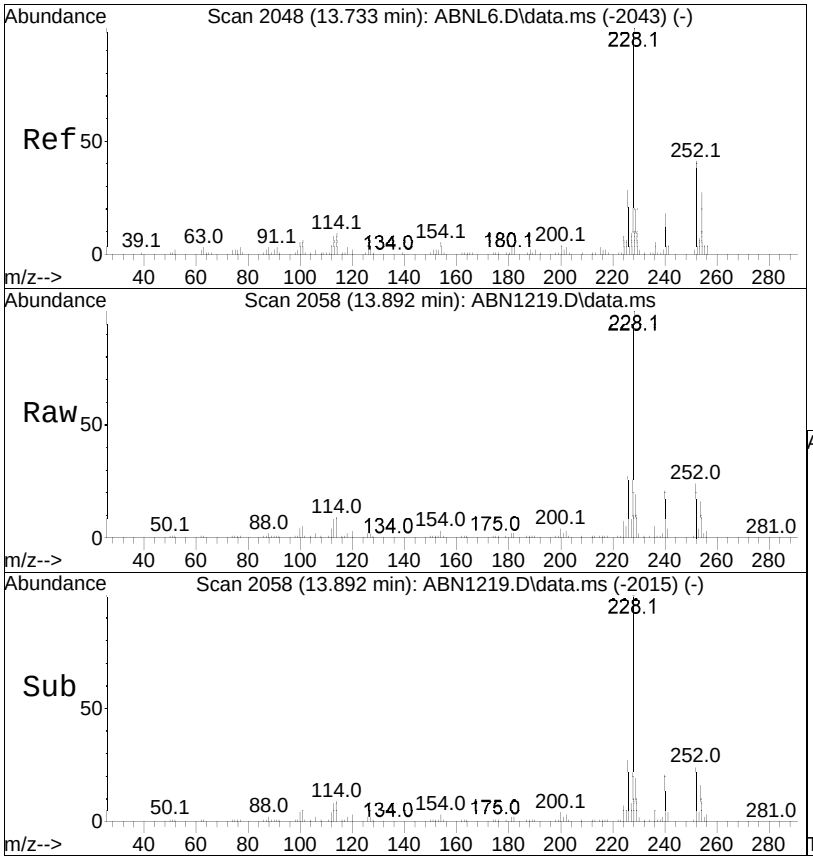


#97
Butyl benzyl phthalate
Concen: 5.36 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:149 Resp: 197461

Ion	Ratio	Lower	Upper
149	100		
91	59.4	63.3	94.9#
206	18.2	13.9	20.9

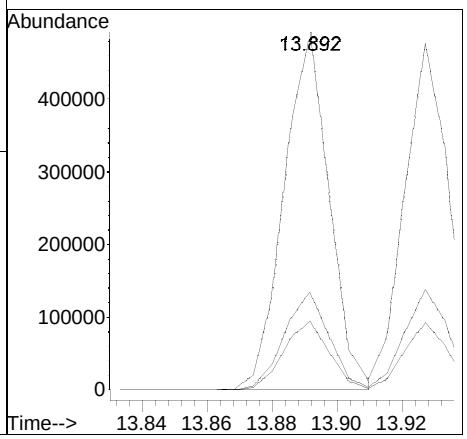


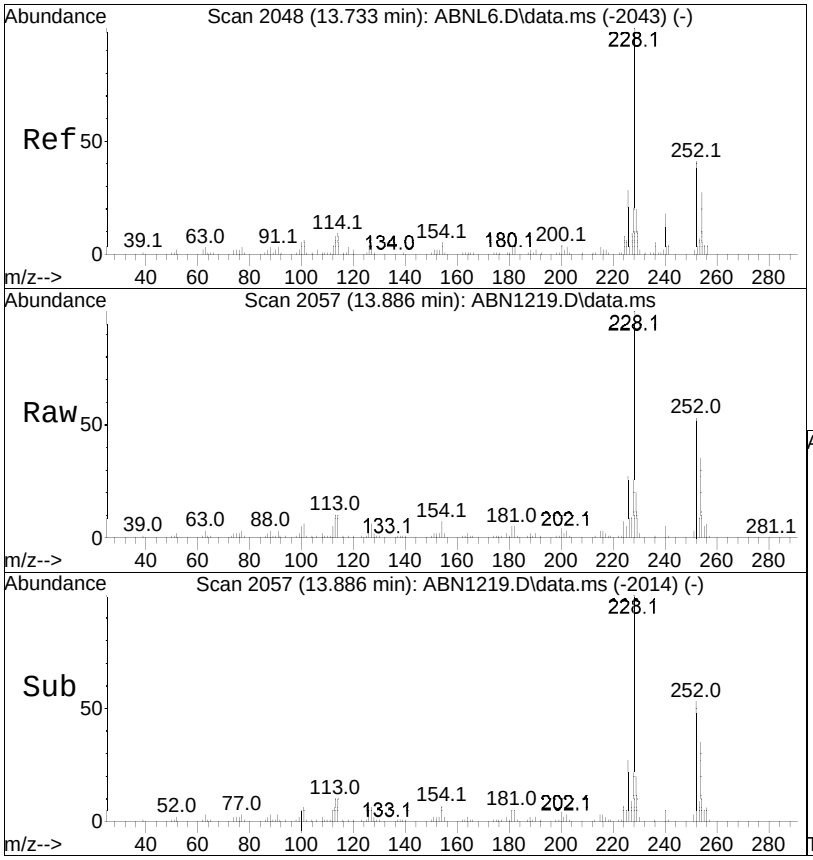


#105
Benzo(a)anthracene
Concen: 4.78 ug/ml
RT: 13.892 min Scan# 2058
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:228 Resp: 475503

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	19.5	15.6	23.4

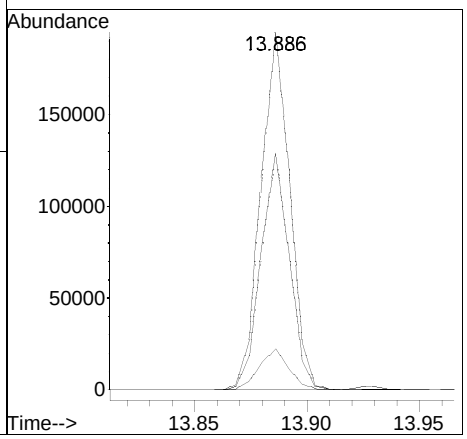


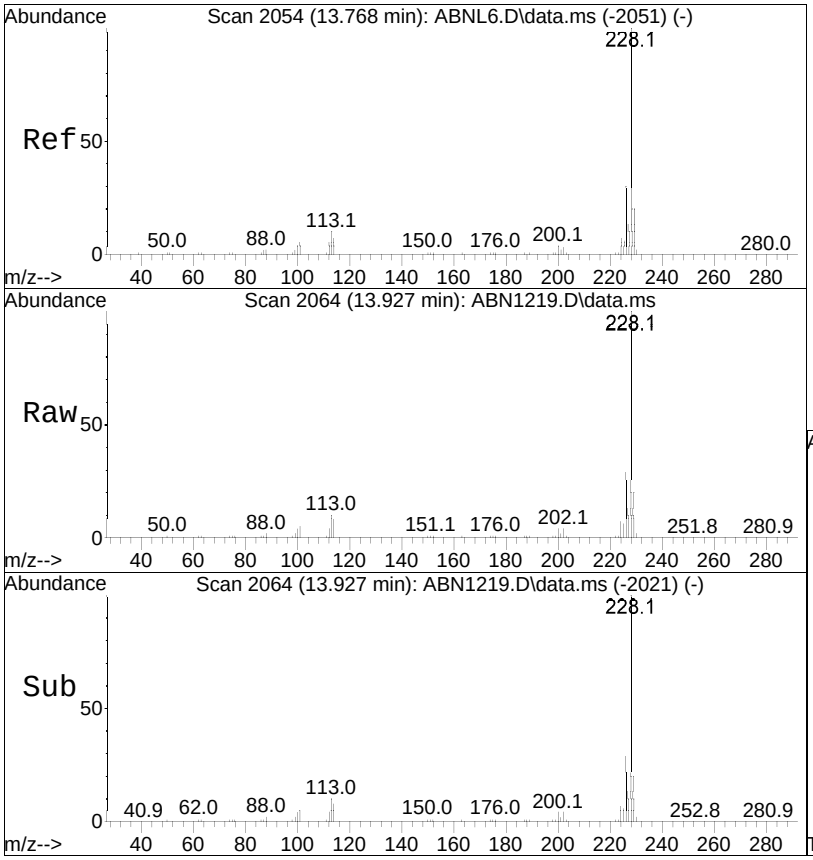


#106
3,3'-Dichlorobenzidine
Concen: 5.29 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:252 Resp: 173084

Ion	Ratio	Lower	Upper
252	100		
126	12.0	14.5	21.7#
254	65.4	51.2	76.8

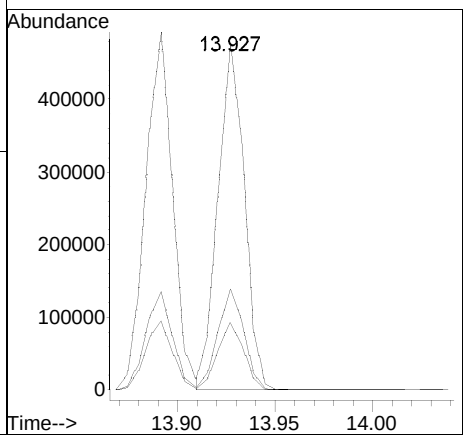


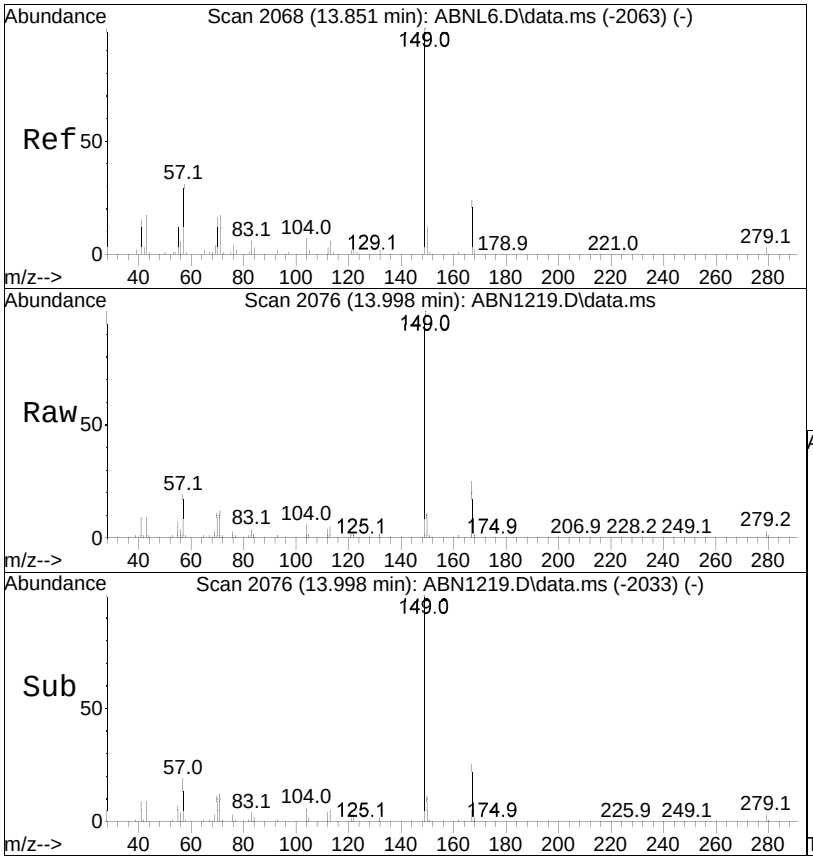


#107
Chrysene
Concen: 4.70 ug/ml
RT: 13.927 min Scan# 2064
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:228 Resp: 448852

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	19.3	15.8	23.8

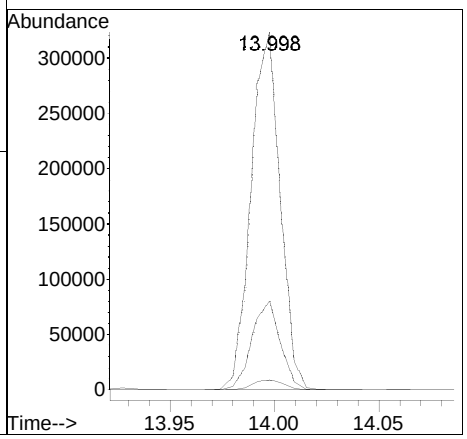


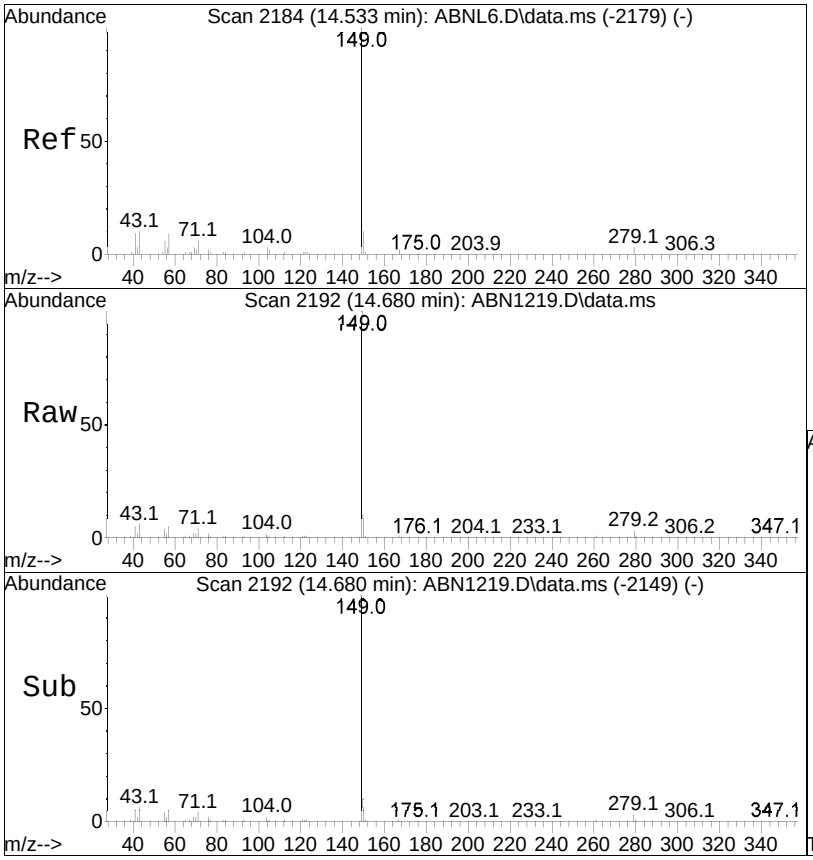


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.19 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:149 Resp: 310165

Ion	Ratio	Lower	Upper
149	100		
167	24.4	22.1	33.1
279	3.0	3.0	4.4

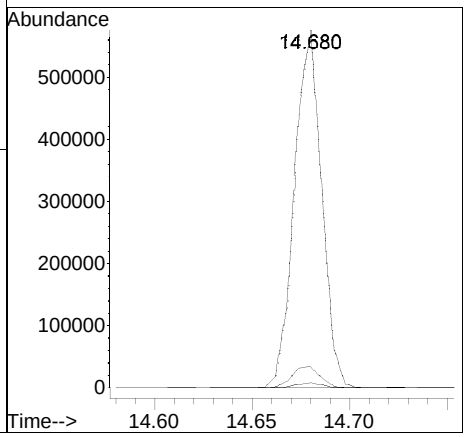


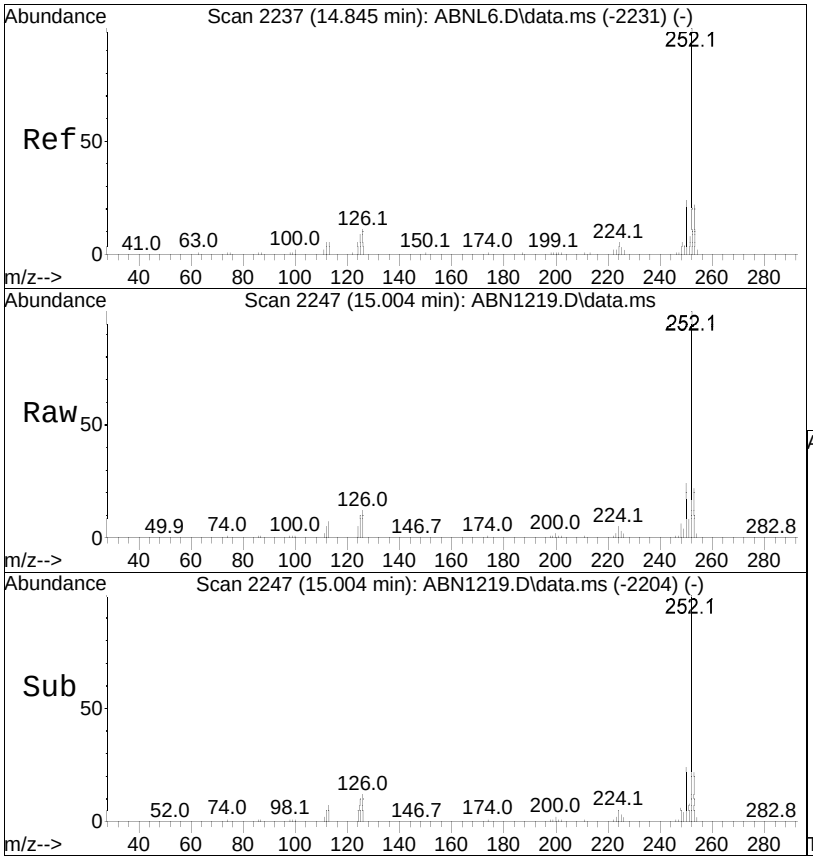


#109
Di-n-octylphthalate
Concen: 5.57 ug/ml
RT: 14.680 min Scan# 2192
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:149 Resp: 551854

Ion	Ratio	Lower	Upper
149	100		
43	6.4	18.8	28.2#
167	1.4	1.3	1.9

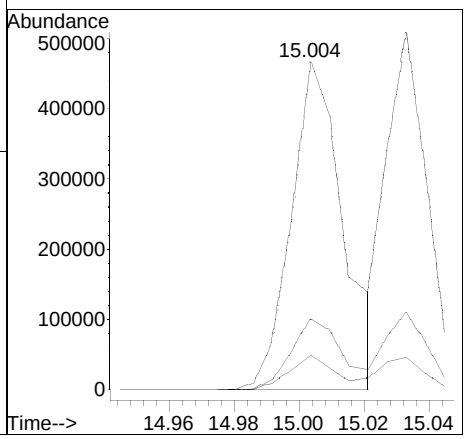


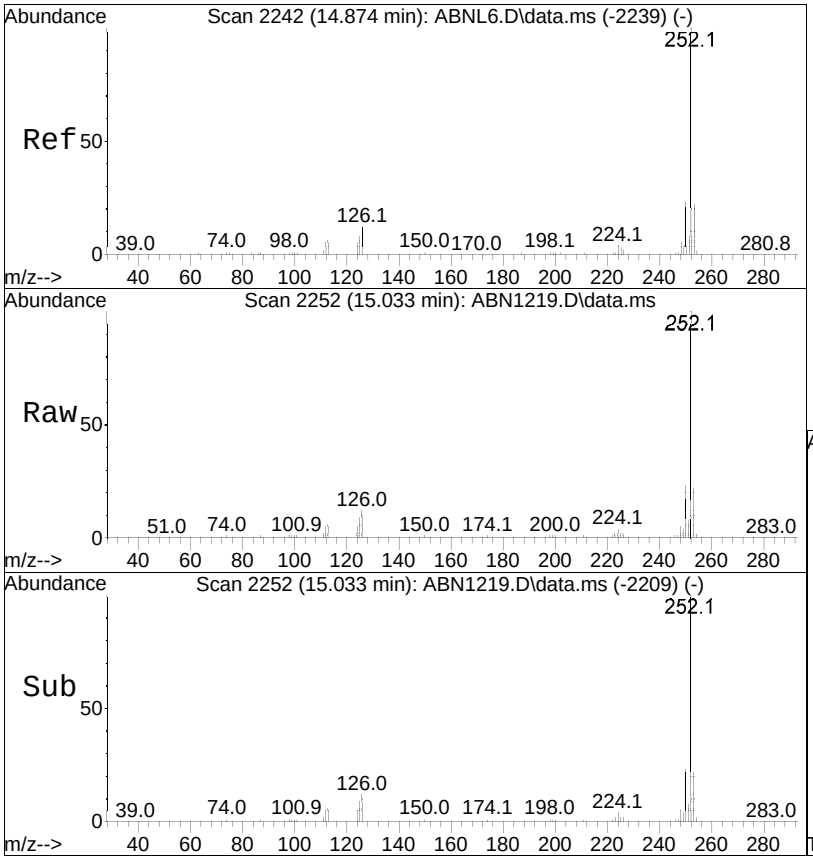


#110
Benzo(b)fluoranthene
Concen: 5.42 ug/ml
RT: 15.004 min Scan# 2247
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:252 Resp: 520844

Ion	Ratio	Lower	Upper
252	100		
125	9.0	13.3	19.9#
253	21.8	17.1	25.7

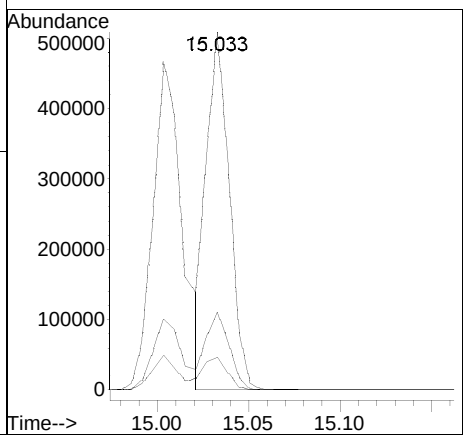


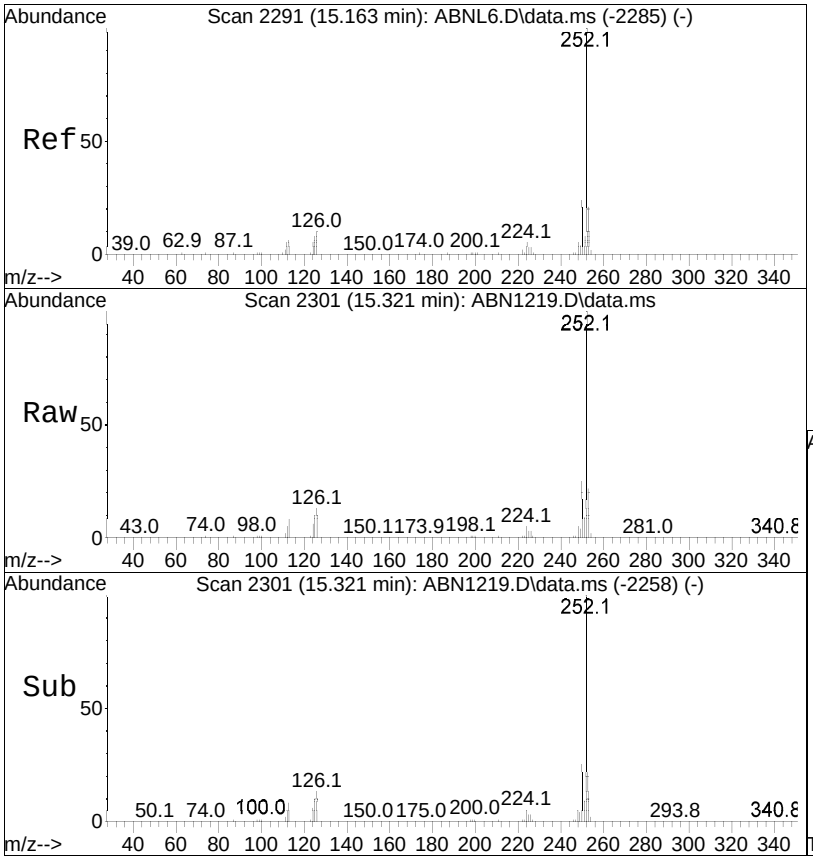


#111
Benzo(k)fluoranthene
Concen: 4.96 ug/ml
RT: 15.033 min Scan# 2252
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:252 Resp: 444062

Ion	Ratio	Lower	Upper
252	100		
125	10.5	13.0	19.6#
253	21.8	16.8	25.2

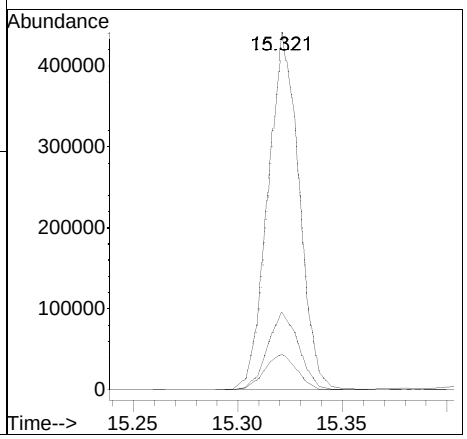


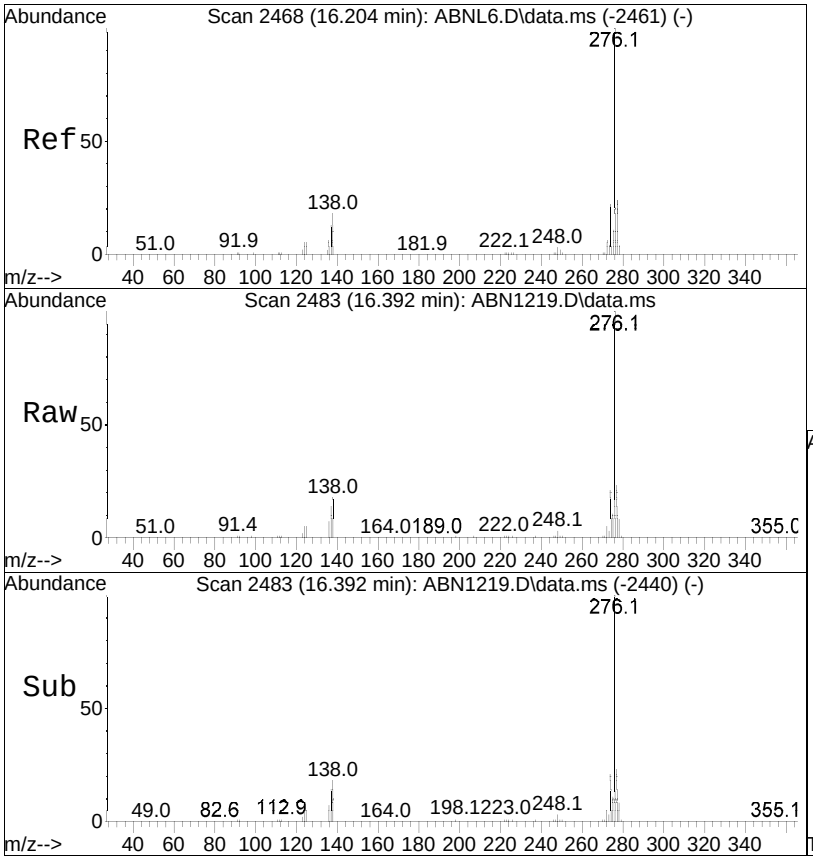


#112
Benzo(a)pyrene
Concen: 5.42 ug/ml
RT: 15.321 min Scan# 2301
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:252 Resp: 451827

Ion	Ratio	Lower	Upper
252	100		
125	10.3	14.2	21.2#
253	22.0	16.9	25.3

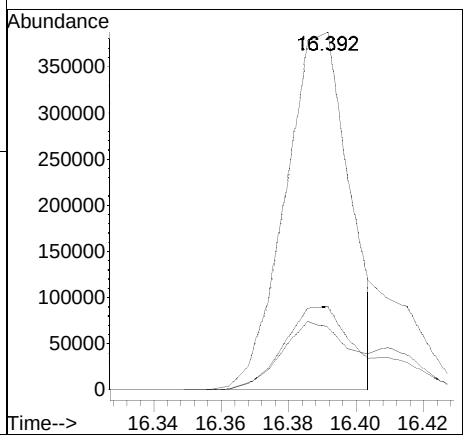


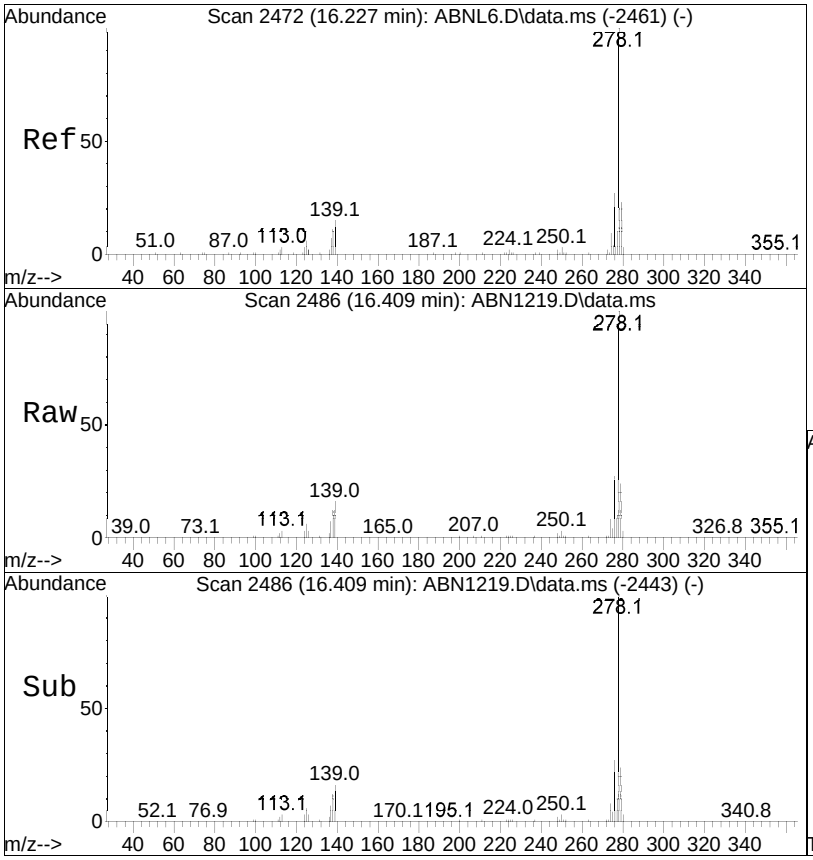


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.08 ug/mL M6
RT: 16.392 min Scan# 2483
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:276 Resp: 517340

Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.1	37.7
277	30.4	18.6	28.0#

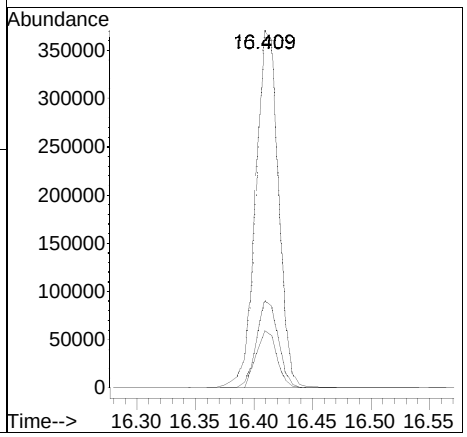


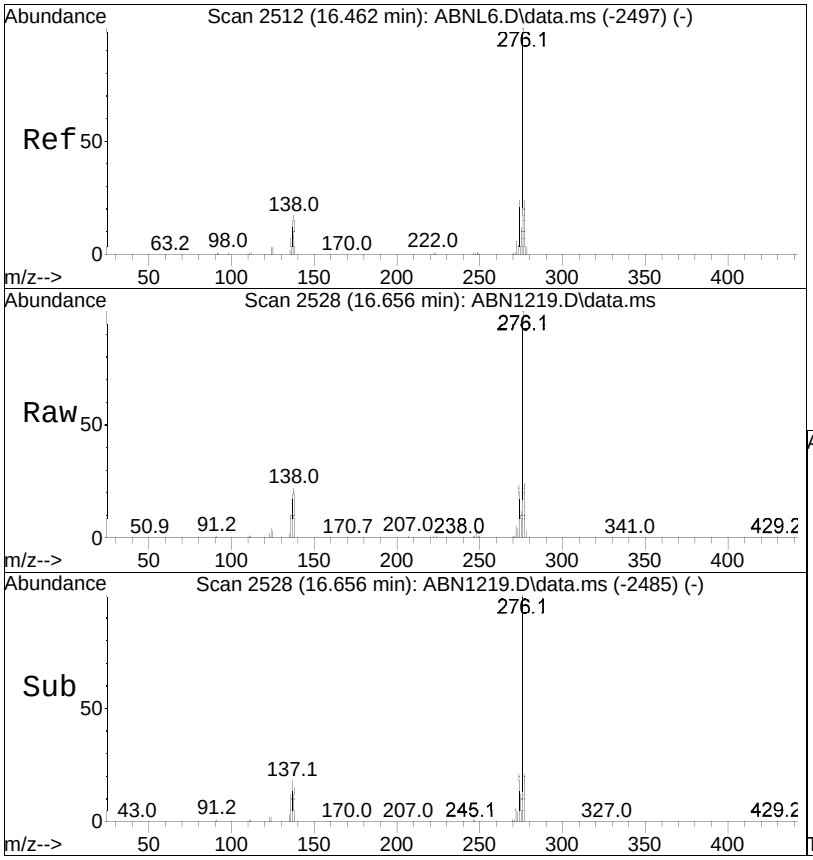


#115
Dibenzo(a,h)anthracene
Concen: 5.15 ug/ml
RT: 16.409 min Scan# 2486
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:278 Resp: 498802

Ion	Ratio	Lower	Upper
278	100		
139	14.8	20.8	31.2#
279	23.5	18.3	27.5

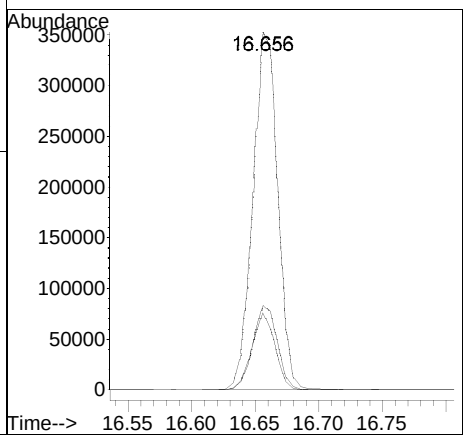




#116
Benzo(ghi)perylene
Concen: 5.22 ug/ml
RT: 16.656 min Scan# 2528
Delta R.T. 0.000 min
Lab File: ABN1219.D
Acq: 19 Dec 2024 11:28 am

Tgt Ion:276 Resp: 473001

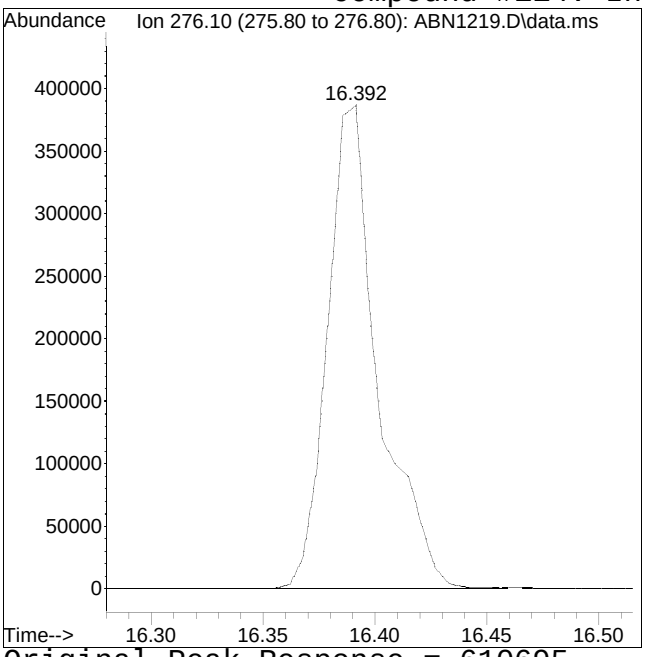
Ion	Ratio	Lower	Upper
276	100		
138	20.3	29.2	43.8#
277	23.4	18.8	28.2



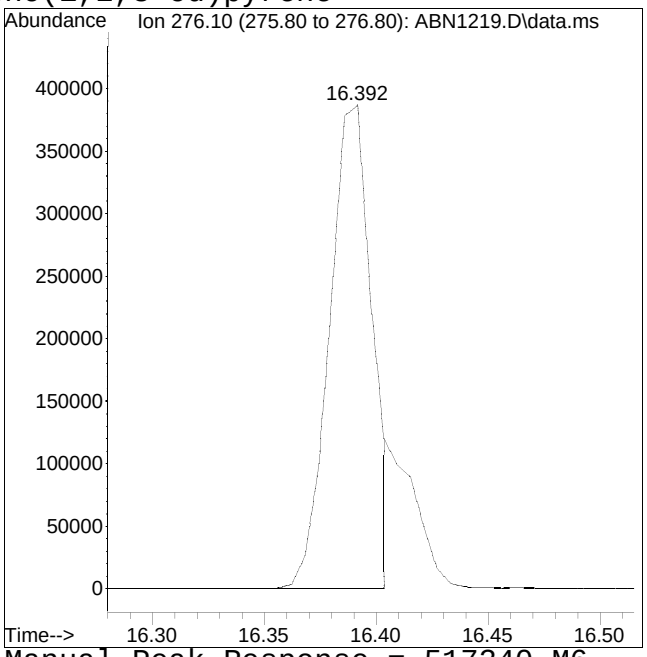
Manual Integration Report

Data Path : I:\8270\SV106\241219RVT\ QMethod : FS241009SV106.m
Data File : ABN1219.D Operator : SV106:mrg
Date Inj'd : 12/19/2024 11:28 am Instrument : SV 106
Sample : WG2011391-3,32,,ABN 11043 Quant Date : 12/19/2024 12:45 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 610695



Manual Peak Response = 517340 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241219RVT\
Data File : AP91219.D
Acq On : 19 Dec 2024 11:52 am
Operator : SV106:mrg
Sample : WG2011391-4,32,,AP9 11152 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 19 12:45:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:46:39 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
28	T	Benzaldehyde	0.948	0.790	16.7	68	0.00
29	T	Acetophenone	1.829	1.611	11.9	75	0.00
30	T	m-Toluidine	1.612	1.395	13.5	72	0.00
31	T	2-Chloroaniline	1.609	1.524	5.3	77	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	86	0.00
56	T	a-Terpineol	0.282	0.201	28.7#	61	0.00
57	T	3-Chloroaniline	0.132	0.104	21.2#	64	0.00
58	T	2,6-Dichlorophenol	0.300	0.277	7.7	76	0.00
59	T	1-chloro-2-nitrobenzene	0.145	0.132	9.0	77	0.00
60	T	Caprolactam	0.147	0.104	29.3#	59	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.402	0.372	7.5	80	0.00
62	T	Biphenyl	0.907	0.822	9.4	76	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	88	0.00
84	T	Dichloran	0.181	0.183	-1.1	90	0.00
85	T	Pentachloronitrobenzene	0.193	0.195	-1.0	86	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	85	0.00
99	T	Diphenamid	0.505	0.517	-2.4	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : AP91219.D
Acq On : 19 Dec 2024 11:52 am
Operator : SV106:mrg
Sample : WG2011391-4,32,,AP9 11152 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 19 12:45:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:46:39 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.640	152	57436	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	8.045	136	223802	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	9.804	164	135210	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	11.245	188	276753	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.081	105	56723	4.169	ug/ml	87
29) Acetophenone	7.122	105	115662	4.405	ug/ml#	76
30) m-Toluidine	7.222	106	100148	4.326	ug/ml	93
31) 2-Chloroaniline	7.622	127	109385	4.733	ug/ml#	89
56) a-Terpineol	8.110	59	56104	3.554	ug/ml#	62
57) 3-Chloroaniline	8.128	65	29088	3.924	ug/ml	73
58) 2,6-Dichlorophenol	8.151	162	77391	4.611	ug/ml#	80
59) 1-chloro-2-nitrobenzene	8.422	111	36826	4.527	ug/ml#	1
60) Caprolactam	8.463	55	29115	3.548	ug/ml#	43
61) 1,2,4,5-Tetrachloroben...	8.951	216	104177	4.634	ug/ml	96
62) Biphenyl	9.251	154	230095	4.535	ug/ml	98
84) Dichloran	10.939	206	30996	5.064	ug/ml#	66
85) Pentachloronitrobenzene	11.092	237	33040	5.058	ug/ml#	77
99) Diphenamid	12.145	167	178902	5.121	ug/ml#	70

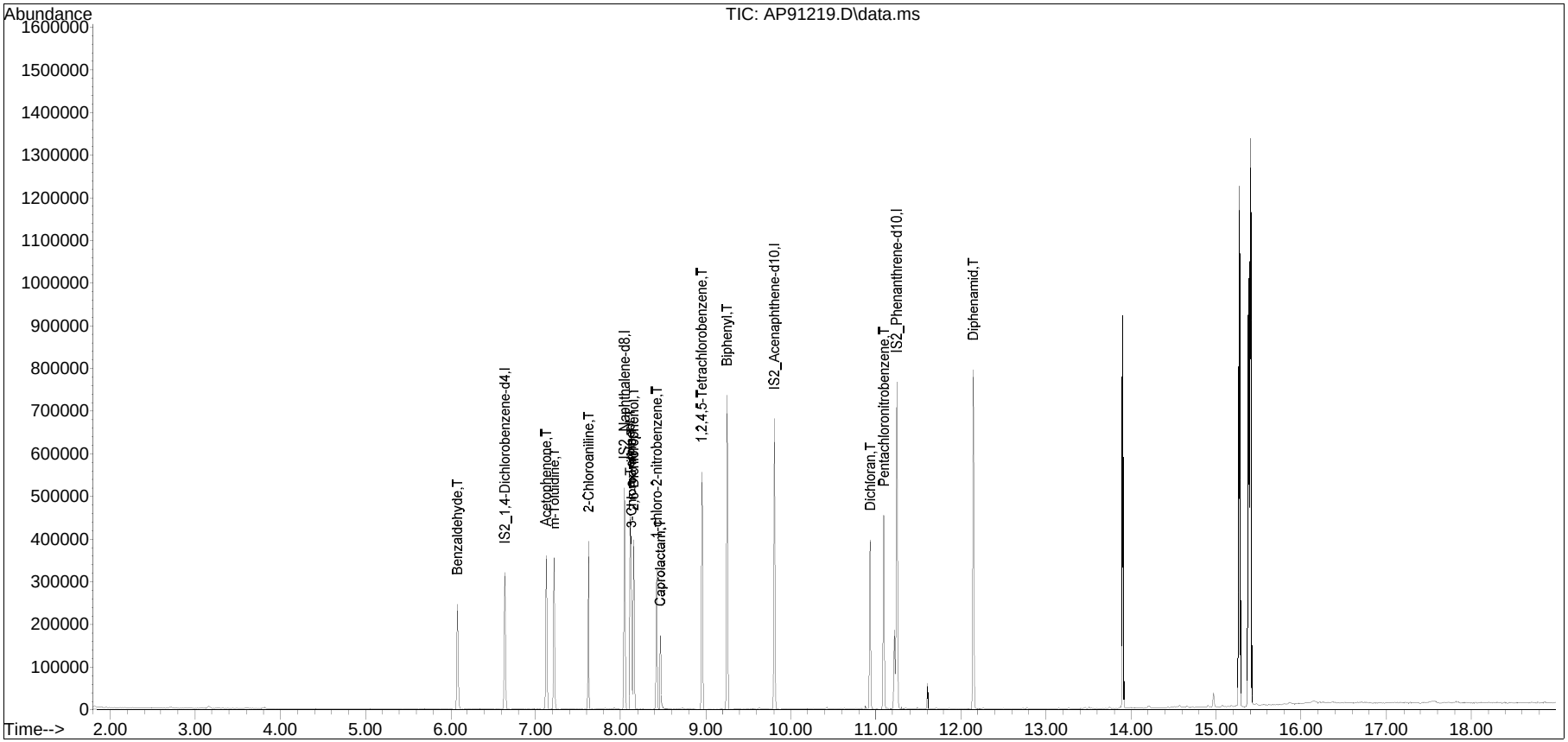
(#) = qualifier out of range (m) = manual integration (+) = signals summed

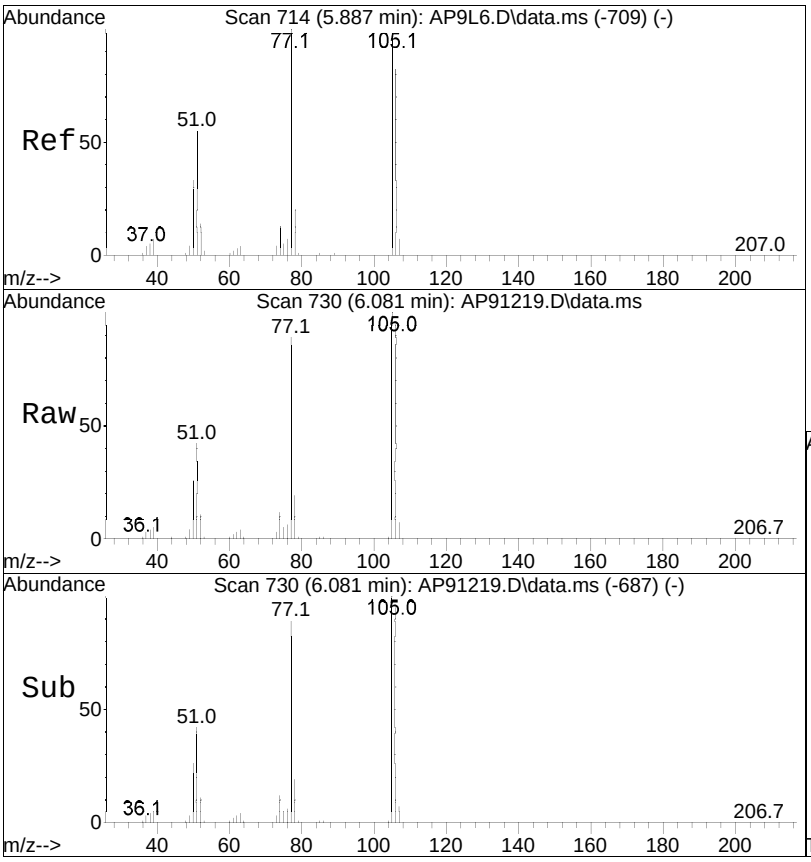
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : AP91219.D
Acq On : 19 Dec 2024 11:52 am
Operator : SV106:mrg
Sample : WG2011391-4,32,,AP9 11152 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 19 12:45:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:46:39 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

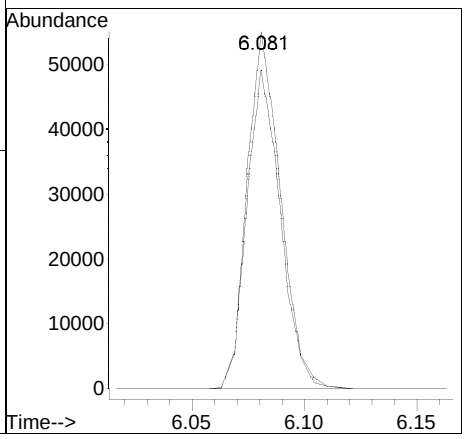


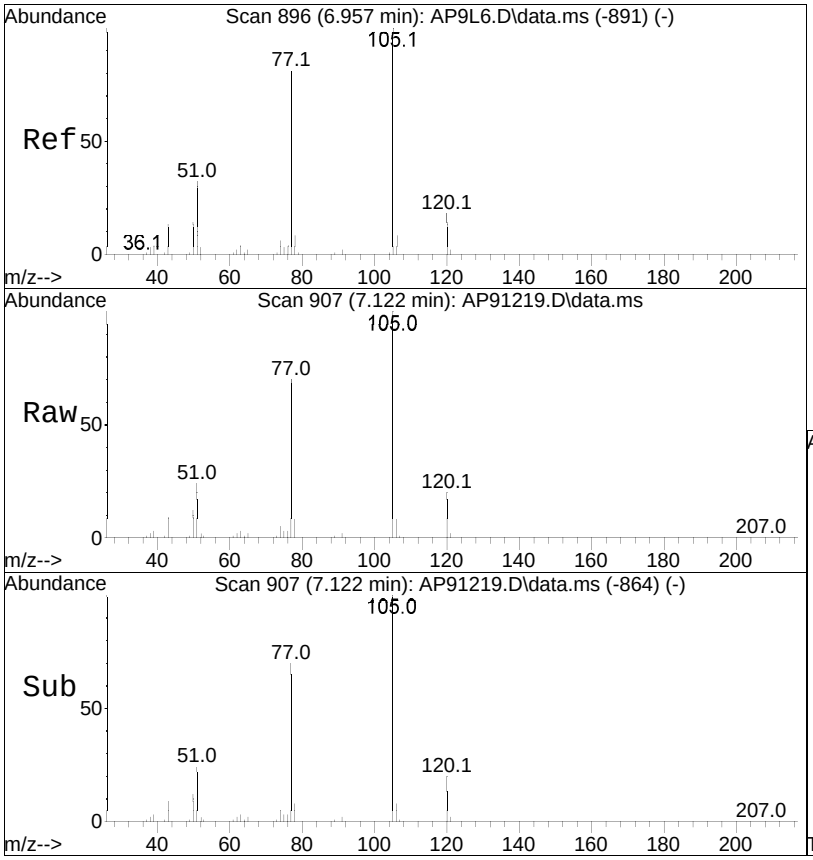


#28
Benzaldehyde
Concen: 4.17 ug/ml
RT: 6.081 min Scan# 730
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:105 Resp: 56723

Ion	Ratio	Lower	Upper
105	100		
77	89.7	82.2	123.4

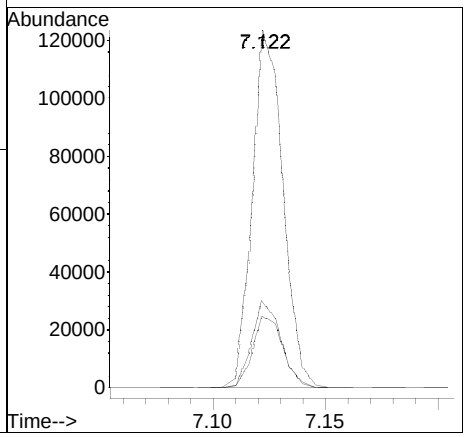


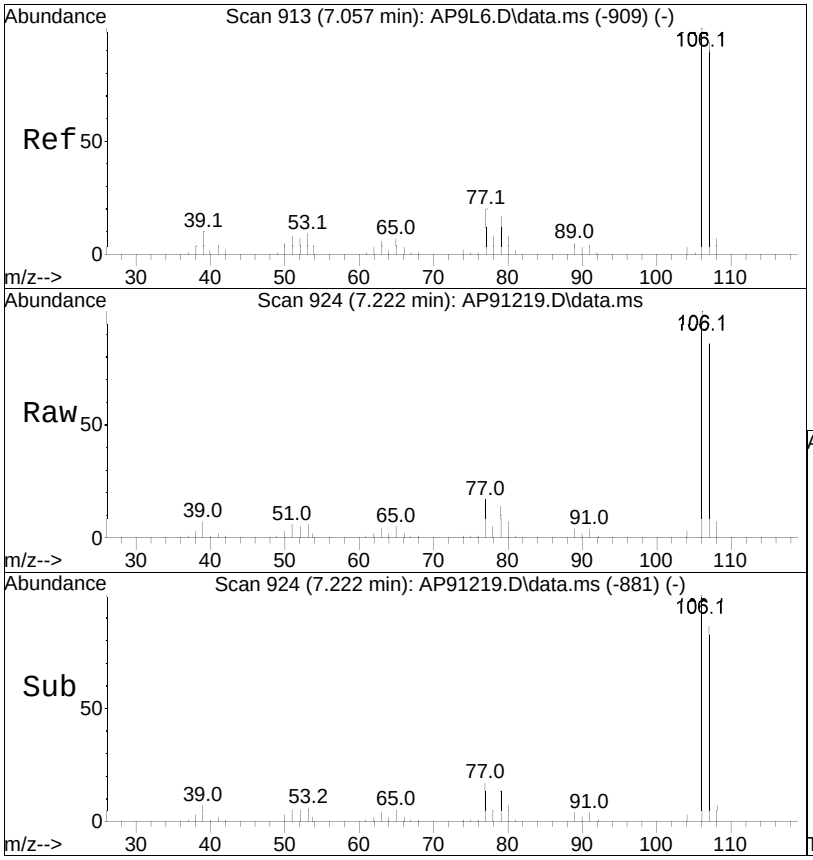


#29
Acetophenone
Concen: 4.40 ug/ml
RT: 7.122 min Scan# 907
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:105 Resp: 115662

Ion	Ratio	Lower	Upper
105	100		
120	20.0	20.5	30.7#
51	23.7	34.9	52.3#

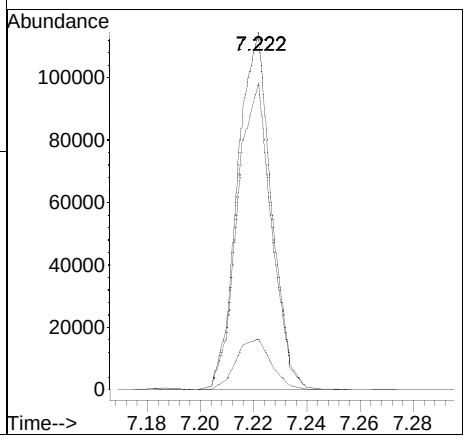


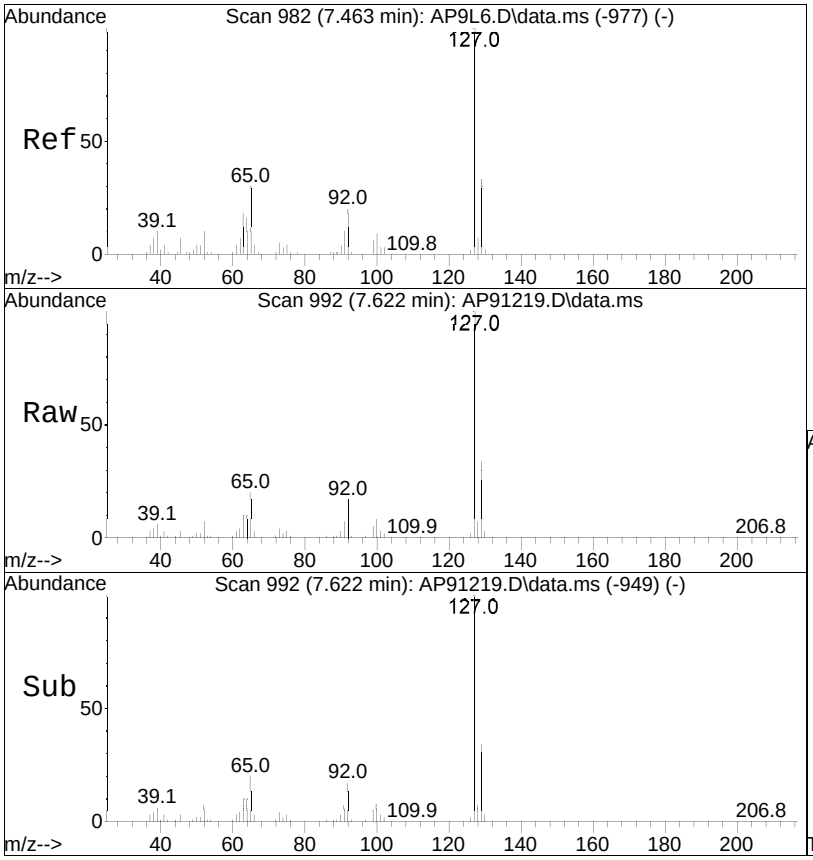


#30
m-Toluidine
Concen: 4.33 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:106 Resp: 100148

Ion	Ratio	Lower	Upper
106	100		
107	87.2	75.7	113.5
79	14.9	11.8	17.8

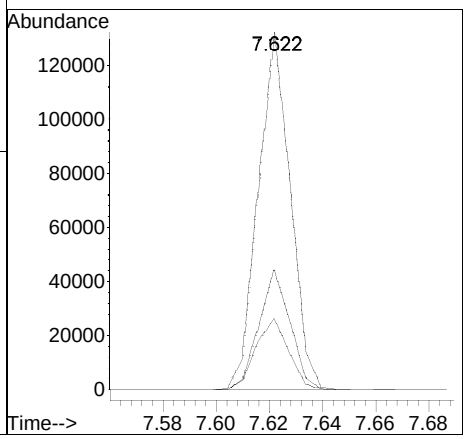


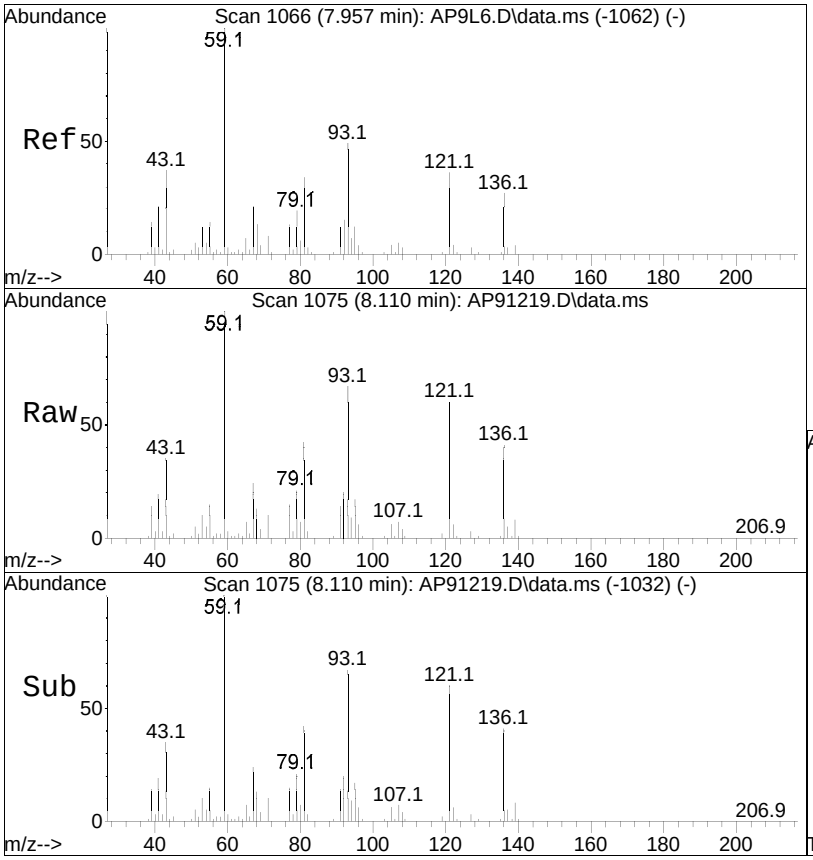


#31
2-Chloroaniline
Concen: 4.73 ug/ml
RT: 7.622 min Scan# 992
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:127 Resp: 109385

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.9	38.9
65	20.6	26.3	39.5#

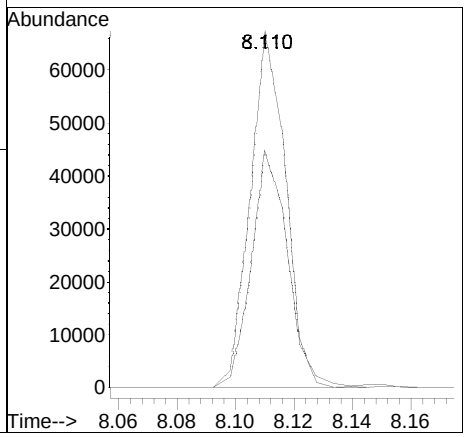


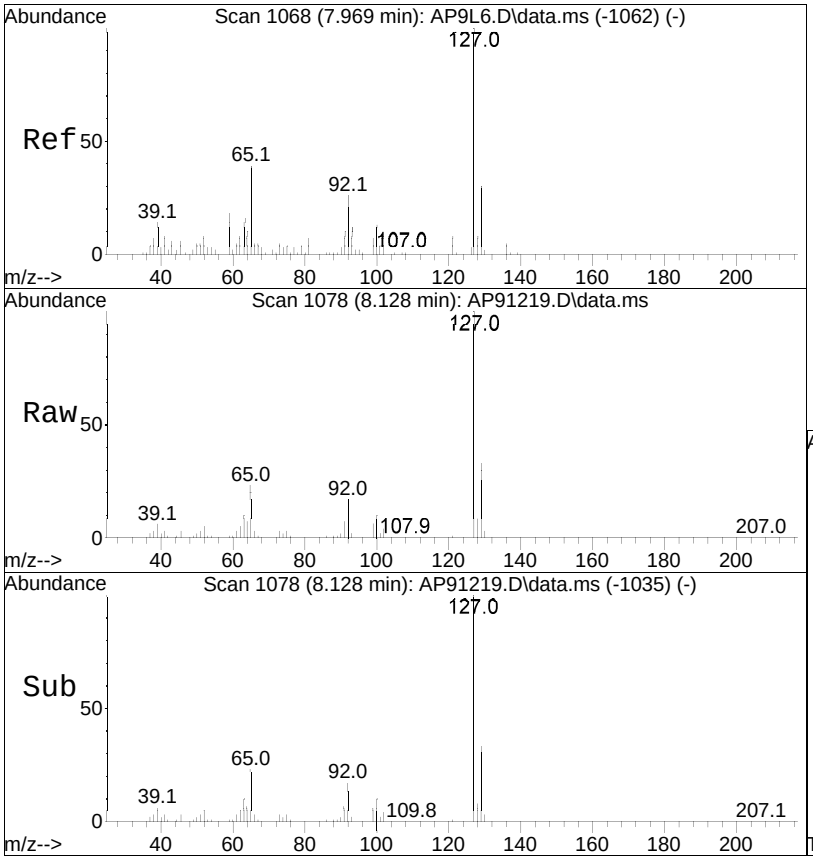


#56
a-Terpineol
Concen: 3.55 ug/ml
RT: 8.110 min Scan# 1075
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion: 59 Resp: 56104

Ion	Ratio	Lower	Upper
59	100		
93	69.2	35.6	53.4#

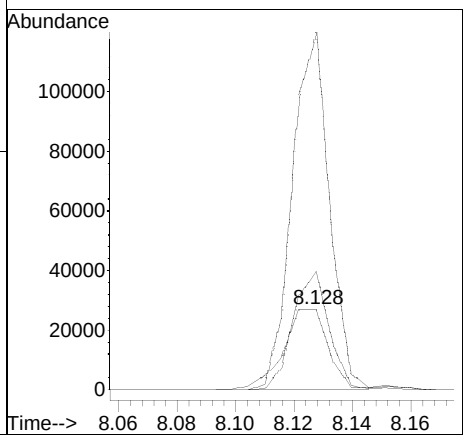


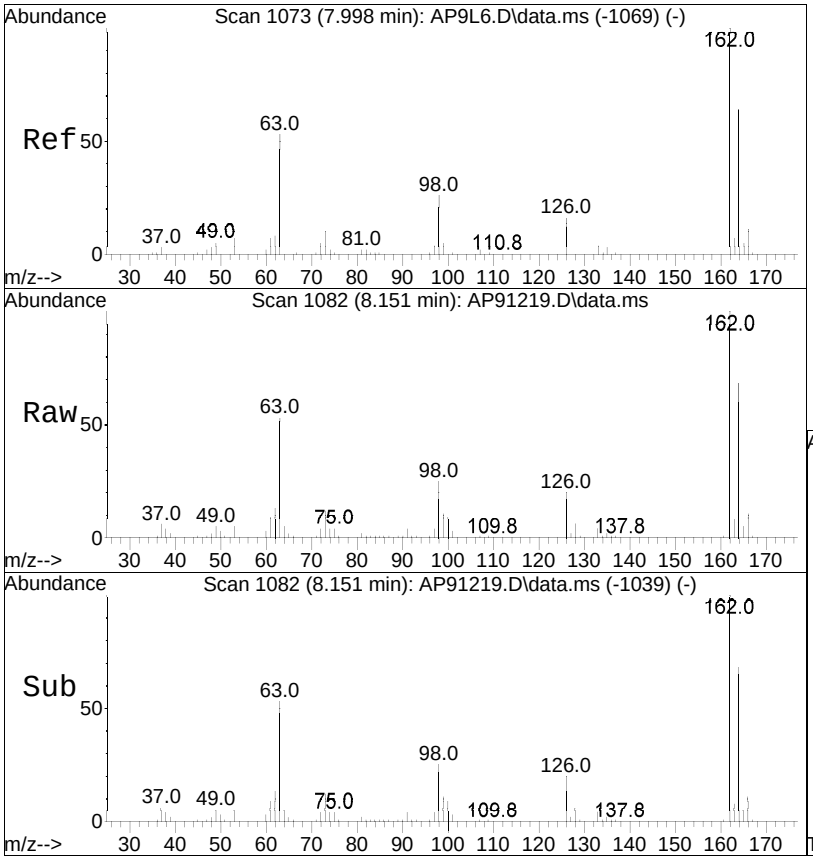


#57
3-Chloroaniline
Concen: 3.92 ug/ml
RT: 8.128 min Scan# 1078
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion: 65 Resp: 29088

Ion	Ratio	Lower	Upper
65	100		
127	363.4	243.2	364.8
129	117.9	78.8	118.2

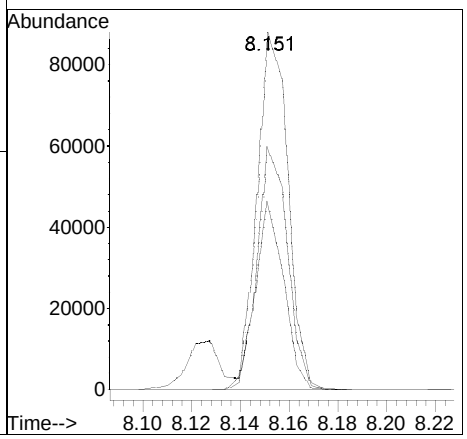


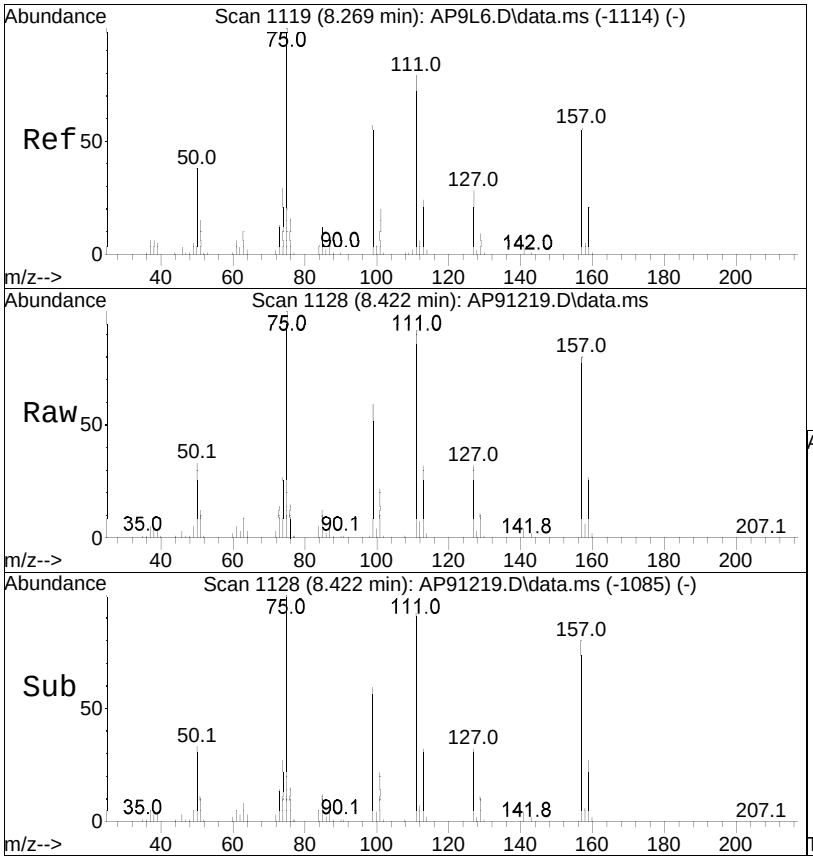


#58
2,6-Dichlorophenol
Concen: 4.61 ug/ml
RT: 8.151 min Scan# 1082
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:162 Resp: 77391

Ion	Ratio	Lower	Upper
162	100		
164	66.4	51.1	76.7
63	47.4	60.8	91.2#

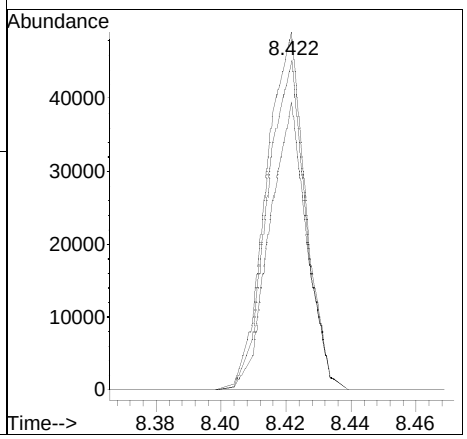


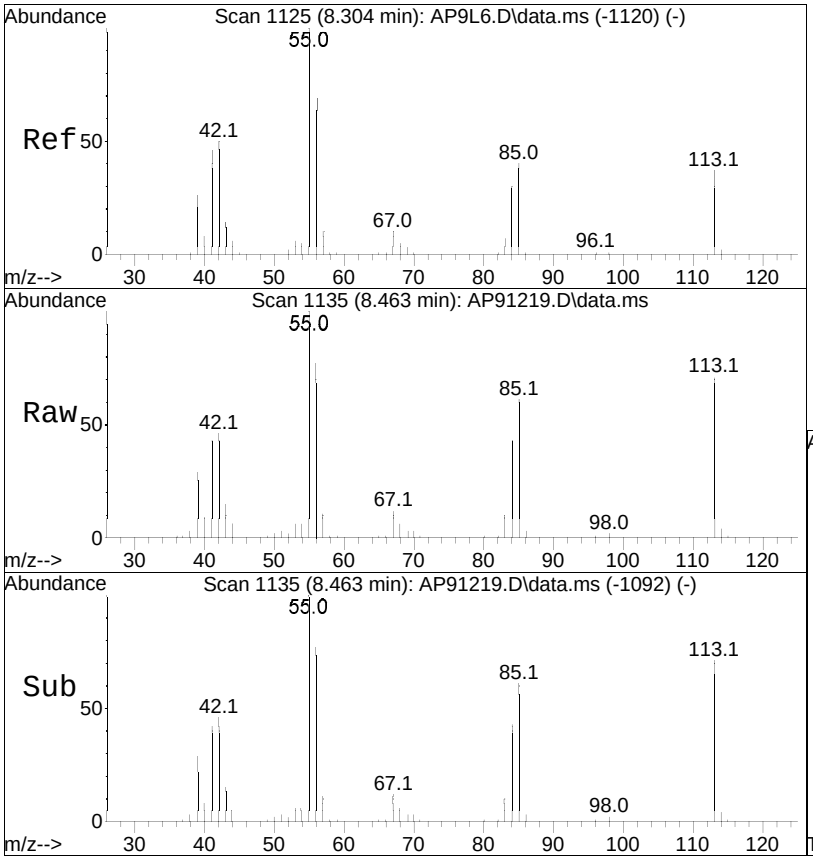


#59
1-chloro-2-nitrobenzene
Concen: 4.53 ug/ml
RT: 8.422 min Scan# 1128
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:111 Resp: 36826

Ion	Ratio	Lower	Upper
111	100		
157	84.1	0.0	0.0#
75	111.5	28.2	42.2#

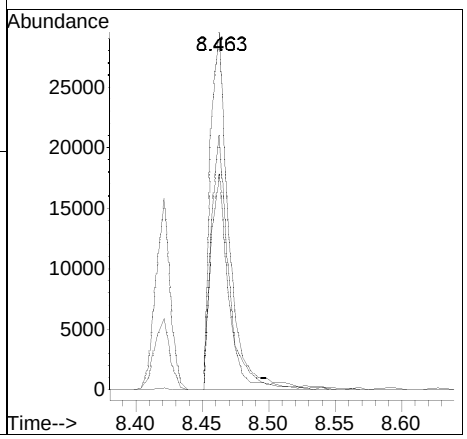


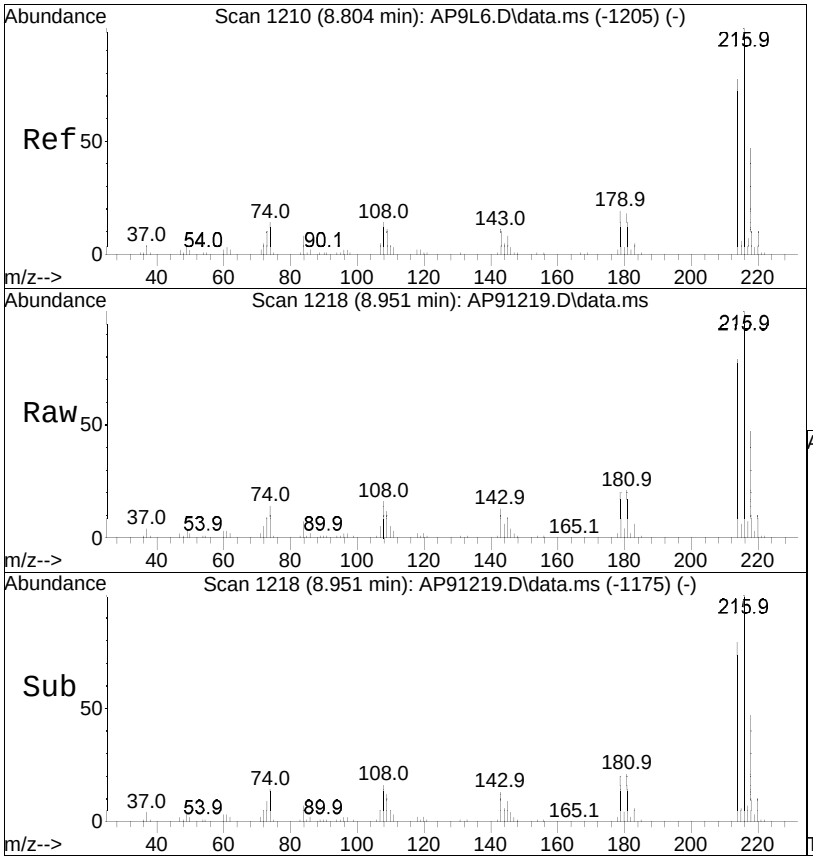


#60
Caprolactam
Concen: 3.55 ug/ml
RT: 8.463 min Scan# 1135
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion: 55 Resp: 29115

Ion	Ratio	Lower	Upper
55	100		
85	57.0	19.8	29.6#
113	68.3	29.6	44.4#

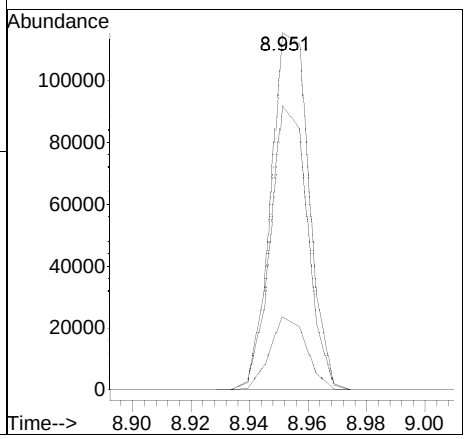


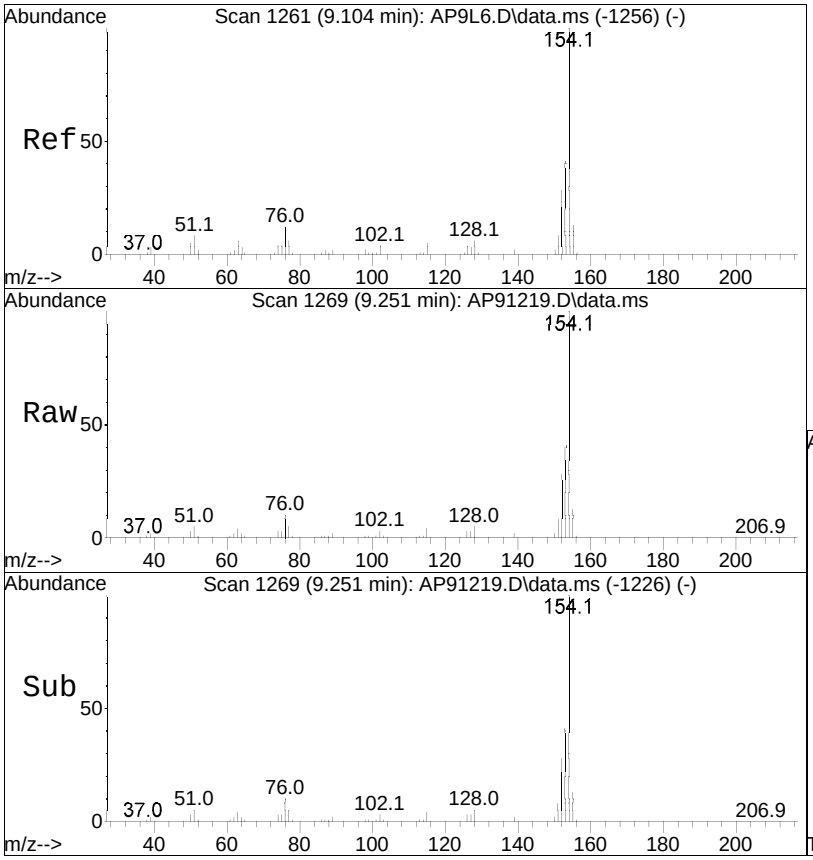


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.63 ug/ml
RT: 8.951 min Scan# 1218
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:216 Resp: 104177

Ion	Ratio	Lower	Upper
216	100		
214	77.5	63.7	95.5
179	19.8	19.0	28.6

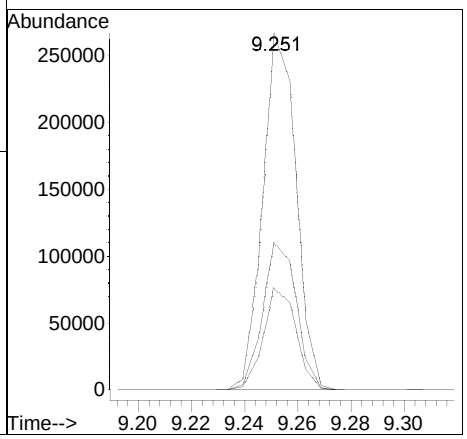


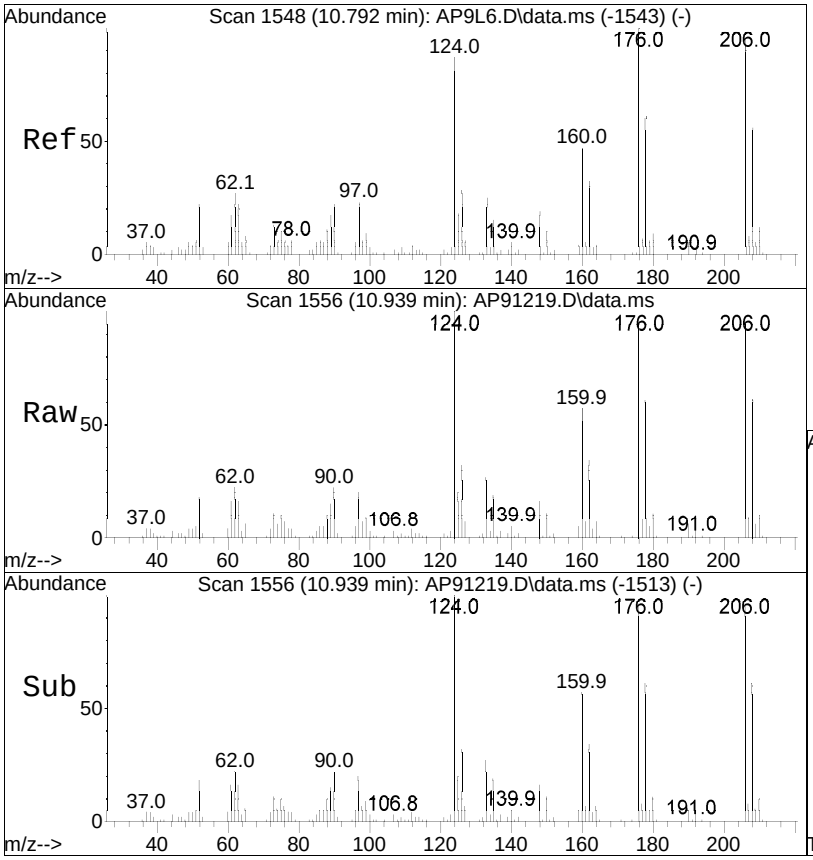


#62
Biphenyl
Concen: 4.53 ug/ml
RT: 9.251 min Scan# 1269
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:154 Resp: 230095

Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.3	48.5
152	28.4	22.5	33.7

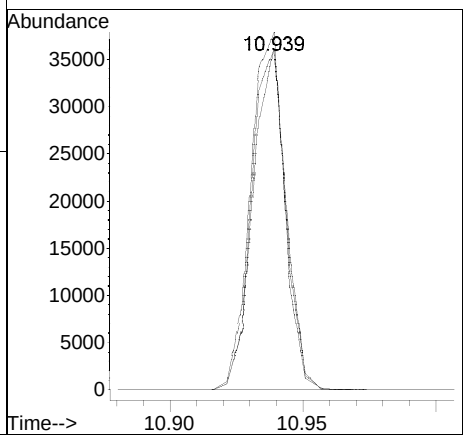


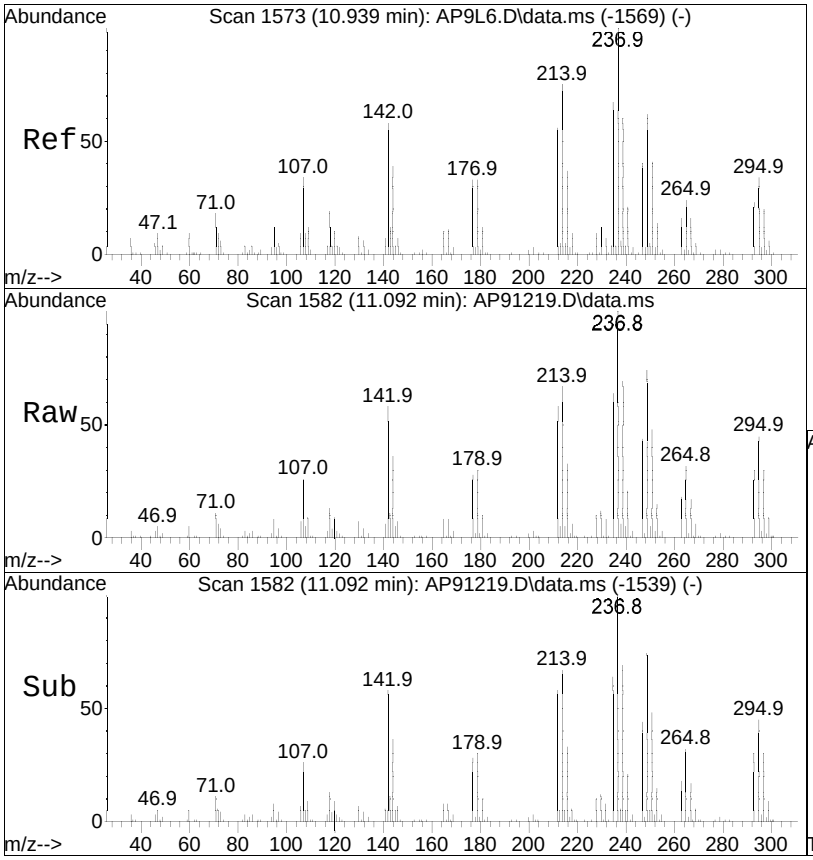


#84
Dichloran
Concen: 5.06 ug/ml
RT: 10.939 min Scan# 1556
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:206 Resp: 30996

Ion	Ratio	Lower	Upper
206	100		
176	102.5	104.6	157.0#
124	107.2	130.5	195.7#

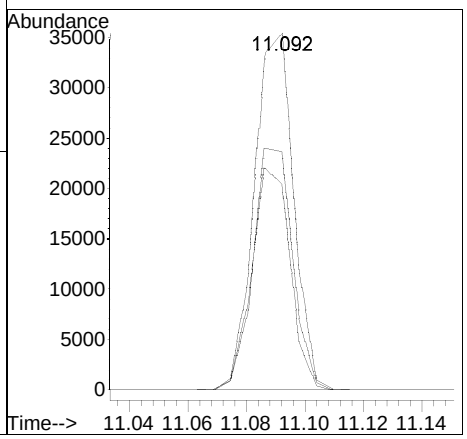


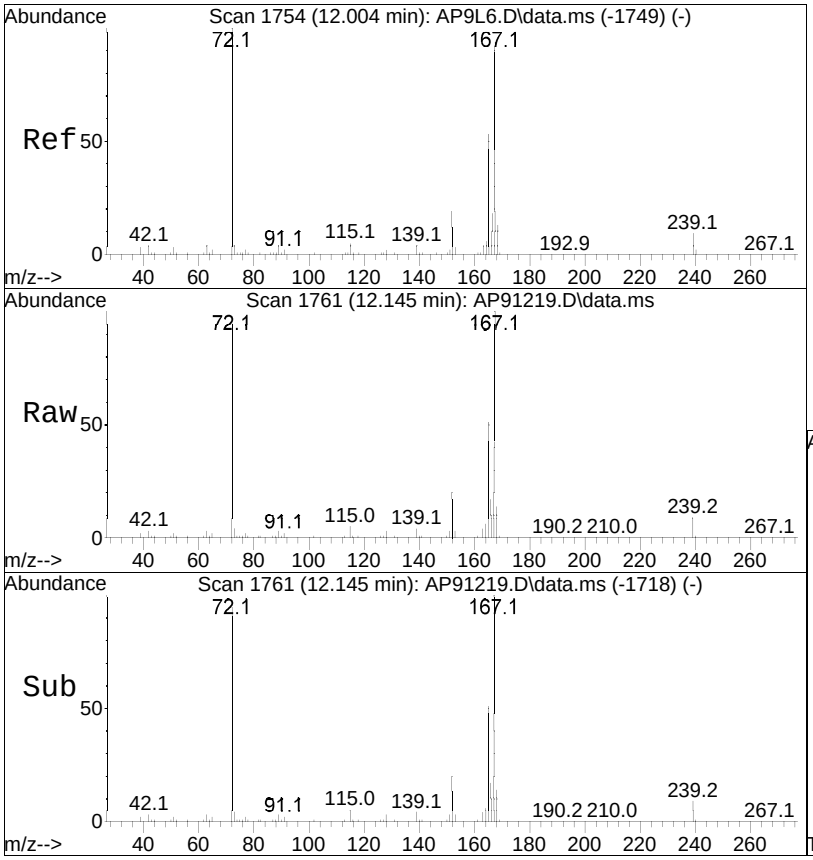


#85
Pentachloronitrobenzene
Concen: 5.06 ug/ml
RT: 11.092 min Scan# 1582
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:237 Resp: 33040

Ion	Ratio	Lower	Upper
237	100		
142	61.1	77.0	115.4#
214	68.1	58.2	87.4

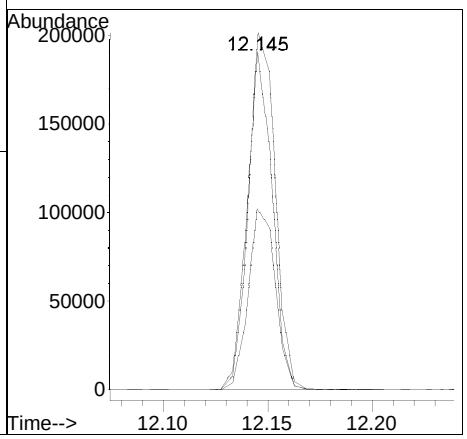




#99
Diphenamid
Concen: 5.12 ug/ml
RT: 12.145 min Scan# 1761
Delta R.T. 0.000 min
Lab File: AP91219.D
Acq: 19 Dec 2024 11:52 am

Tgt Ion:167 Resp: 178902

Ion	Ratio	Lower	Upper
167	100		
72	88.4	109.7	164.5#
165	51.7	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: AP91219.D	Operator	: SV106:mrg
Date Inj'd	: 12/19/2024 11:52 am	Instrument	: SV 106
Sample	: WG2011391-4,32,,AP9 11152	Quant Date	: 12/19/2024 12:46 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241219RVT\
Data File : ADP1219.D
Acq On : 19 Dec 2024 12:15 pm
Operator : SV106:mrg
Sample : WG2011391-5,32,,ADP 11153 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 19 12:46:05 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:42 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	77	0.00
33	t	1,4-Dioxane		0.485	0.376	22.5#	73	0.00
34	T	n-Decane		1.486	1.059	28.7#	64	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	85	0.00
87	T	Atrazine		0.415	0.347	16.4	75	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	84	0.00
101	T	n-Octadecane		0.485	0.330	32.0#	58	0.00
102	T	Parathion	*	5.000	4.737	5.3	91	0.00
103	T	3,3'-Dimethylbenzidine		0.821	0.733	10.7	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : ADP1219.D
Acq On : 19 Dec 2024 12:15 pm
Operator : SV106:mrg
Sample : WG2011391-5,32,,ADP 11153 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 19 12:46:05 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:42 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.639	152	64688	4.000	ug/ml	0.00
86)	IS3_Acenaphthene-d10	9.804	164	151712	4.000	ug/ml	0.00
100)	IS3_Phenanthrene-d10	11.245	188	298371	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	2.063	88	30363	3.867	ug/ml	93
34)	n-Decane	6.528	57	85655	3.564	ug/ml#	46
87)	Atrazine	11.010	200	65869	4.185	ug/ml	95
101)	n-Octadecane	11.210	57	123186	3.402	ug/ml#	1
102)	Parathion	12.027	109	41924	4.737	ug/ml	94
103)	3,3'-Dimethylbenzidine	13.321	212	273257	4.463	ug/ml	98

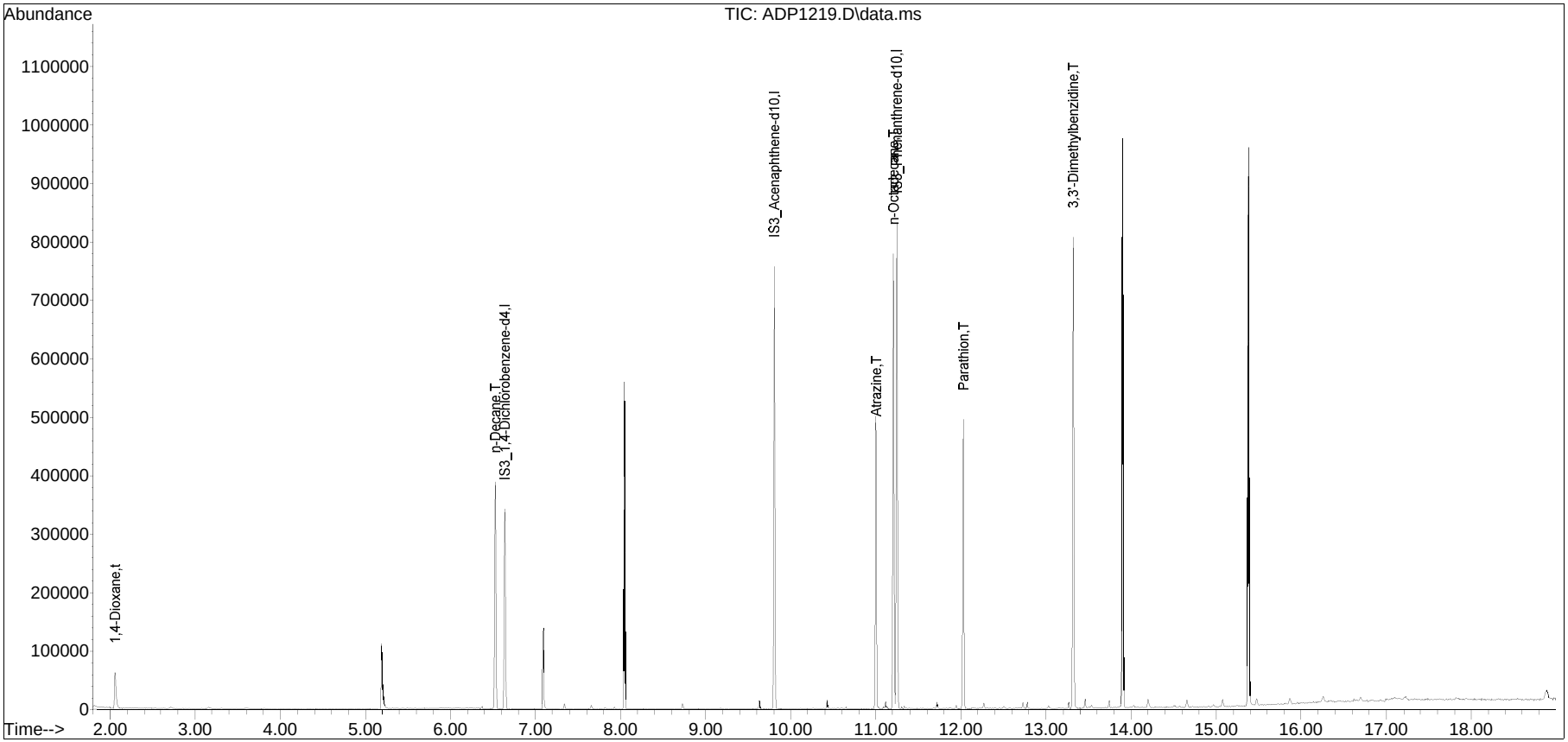
(#) = qualifier out of range (m) = manual integration (+) = signals summed

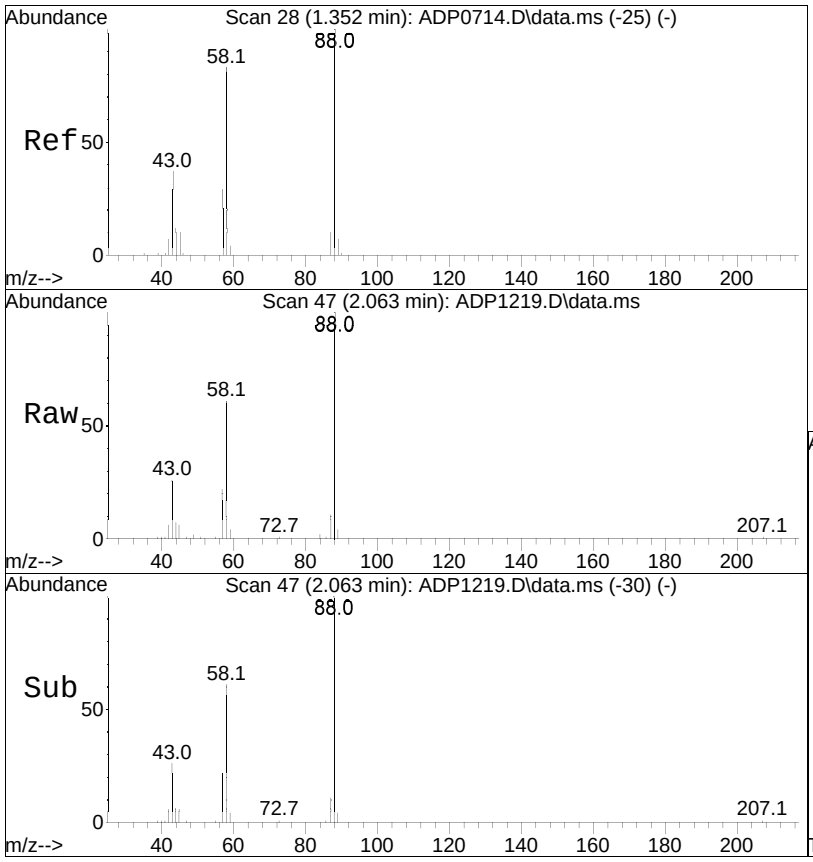
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : ADP1219.D
Acq On : 19 Dec 2024 12:15 pm
Operator : SV106:mrg
Sample : WG2011391-5,32,,ADP 11153 HNY1205A
Misc : WG2011391,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 19 12:46:05 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:42 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

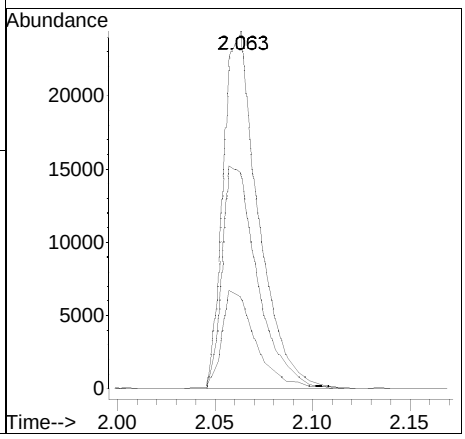


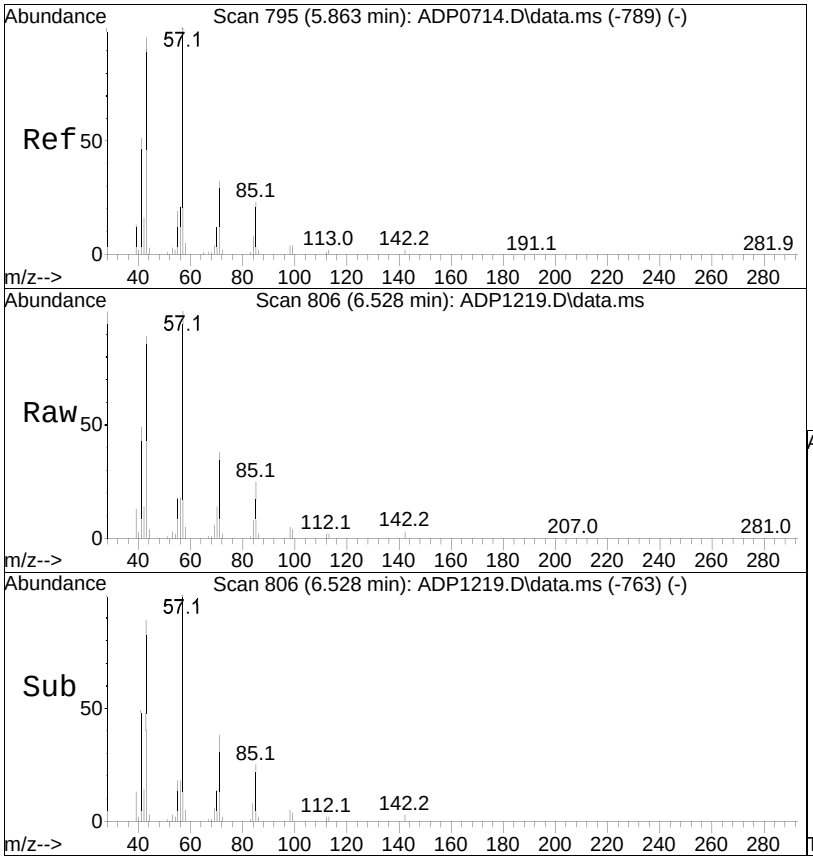


#33
1,4-Dioxane
Concen: 3.87 ug/ml
RT: 2.063 min Scan# 47
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:15 pm

Tgt Ion: 88 Resp: 30363

Ion	Ratio	Lower	Upper
88	100		
58	62.8	44.8	67.2
43	27.0	22.4	33.6

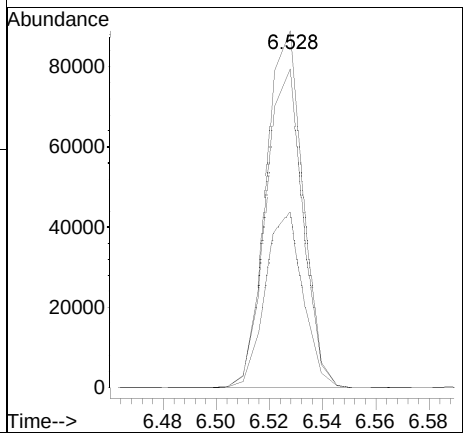


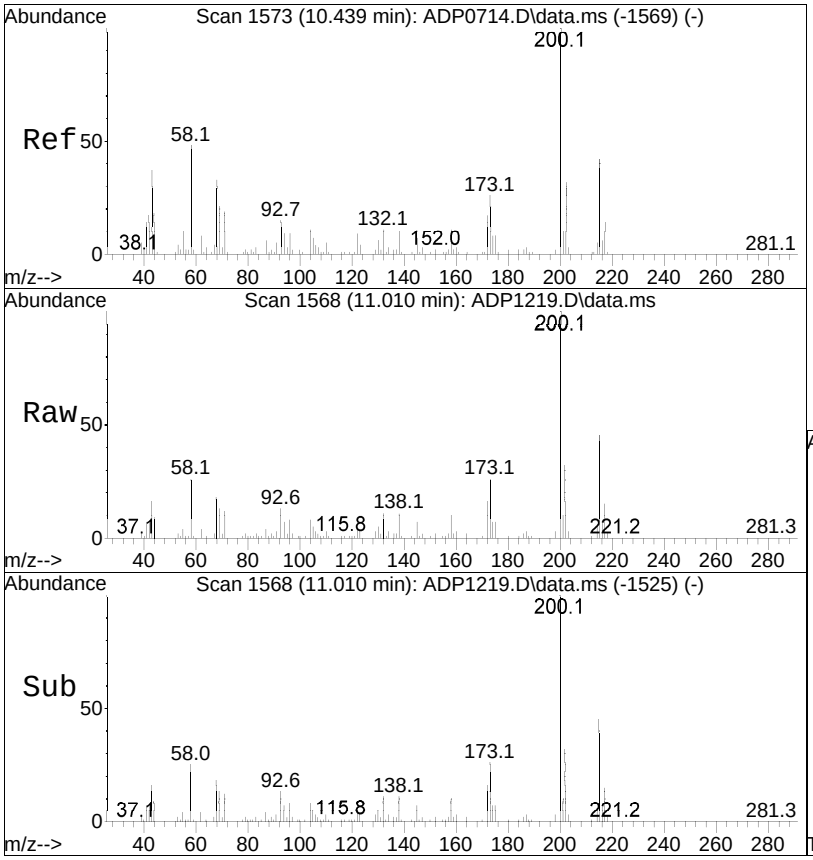


#34
n-Decane
Concen: 3.56 ug/ml
RT: 6.528 min Scan# 806
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:15 pm

Tgt Ion: 57 Resp: 85655

Ion	Ratio	Lower	Upper
57	100		
43	89.5	0.2	0.2#
41	50.2	0.2	0.2#

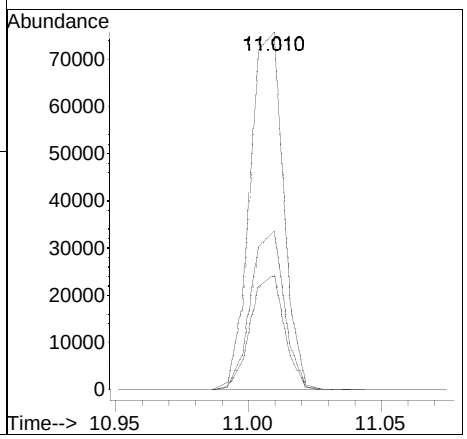


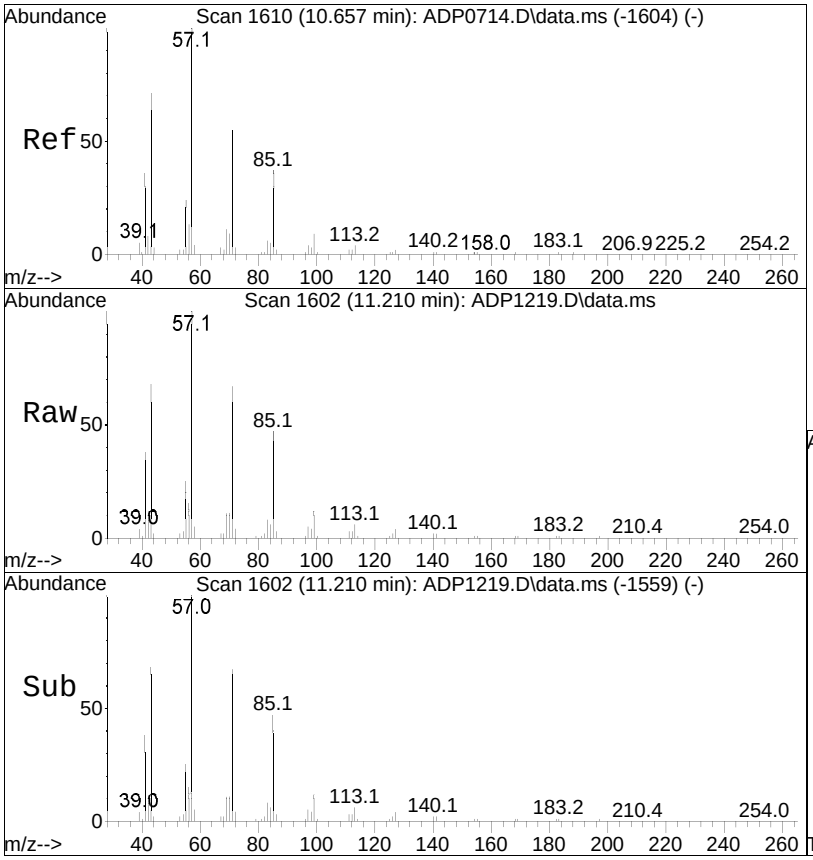


#87
Atrazine
Concen: 4.18 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:15 pm

Tgt Ion:200 Resp: 65869

Ion	Ratio	Lower	Upper
200	100		
202	32.6	25.8	38.6
215	44.5	40.2	60.4

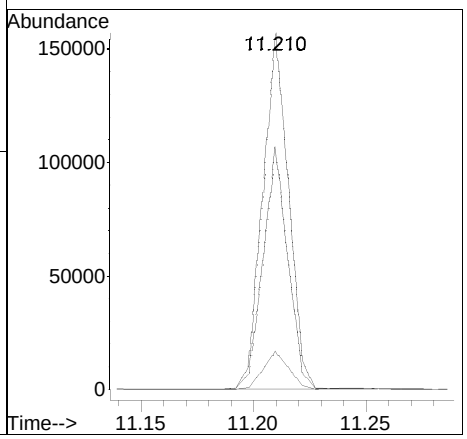


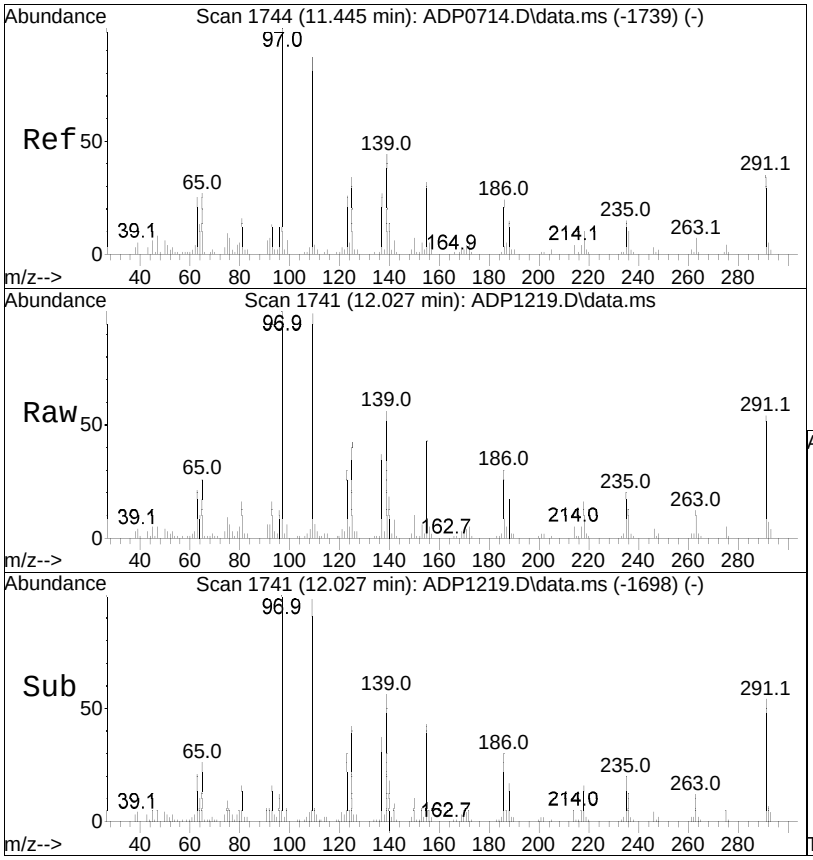


#101
n-Octadecane
Concen: 3.40 ug/ml
RT: 11.210 min Scan# 1602
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:15 pm

Tgt Ion: 57 Resp: 123186

Ion	Ratio	Lower	Upper
57	100		
43	65.8	9.0	13.6#
70	10.8	0.2	0.2#

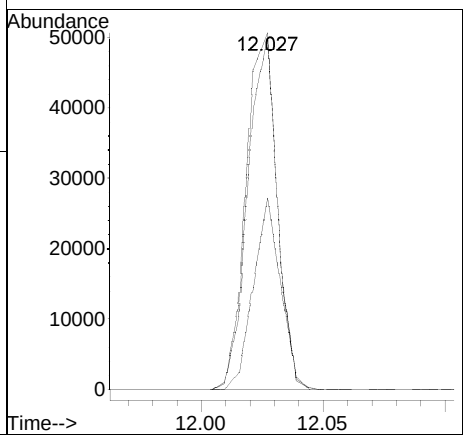


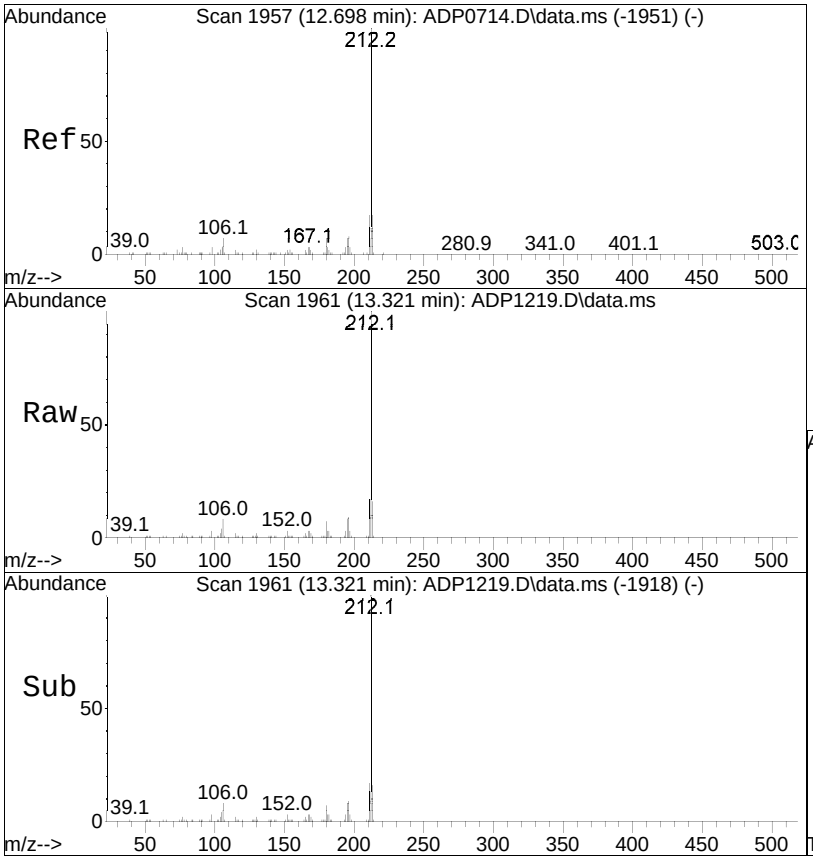


#102
Parathion
Concen: 4.74 ug/ml
RT: 12.027 min Scan# 1741
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:15 pm

Tgt Ion:109 Resp: 41924

Ion	Ratio	Lower	Upper
109	100		
97	106.0	87.4	131.2
291	50.3	34.2	51.2

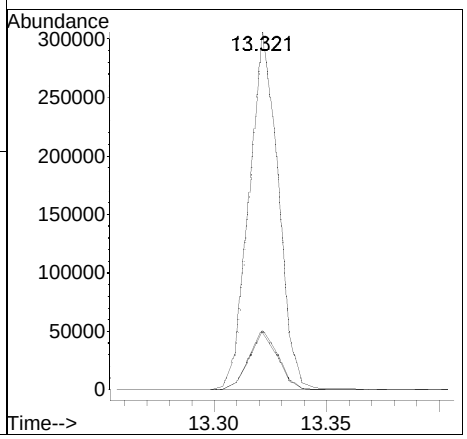




#103
3,3'-Dimethylbenzidine
Concen: 4.46 ug/ml
RT: 13.321 min Scan# 1961
Delta R.T. 0.000 min
Lab File: ADP1219.D
Acq: 19 Dec 2024 12:15 pm

Tgt Ion:212 Resp: 273257

Ion	Ratio	Lower	Upper
212	100		
211	17.0	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

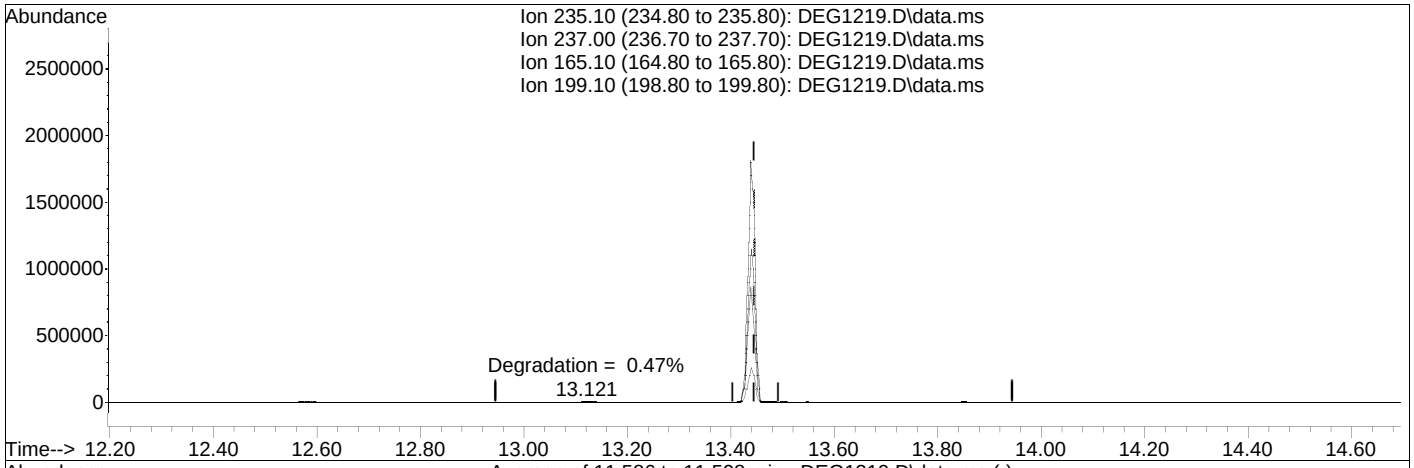
Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: ADP1219.D	Operator	: SV106:mrg
Date Inj'd	: 12/19/2024 12:15 pm	Instrument	: SV 106
Sample	: WG2011391-5,32,,ADP 11153	Quant Date	: 12/19/2024 12:47 pm

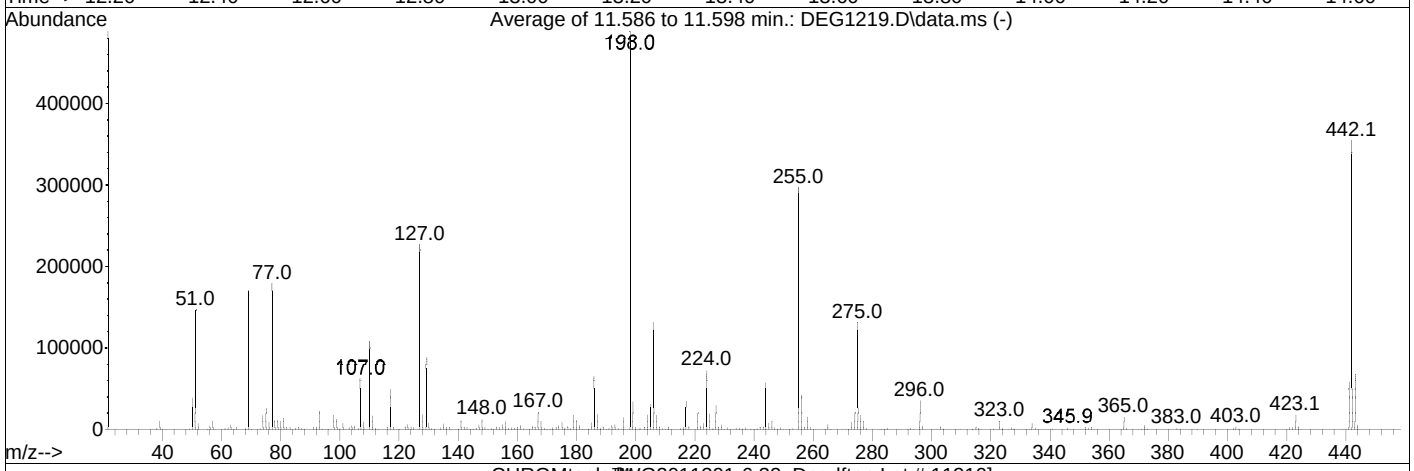
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 11:03 am
Operator : SV106:gmr
Sample : WG2011391-2,32,,Degdftpp Lot # 11210
Misc : WG2011391,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 19 11:36:40 2024
Quant Method : I:\8270\SV106\241219RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 22:17:44 2024
Response via : Initial Calibration





CHROMtools [WG2011391-6,32,,Degdftpp Lot # 11210]

(6) DDT (T)

13.439min (-0.006) 269.42

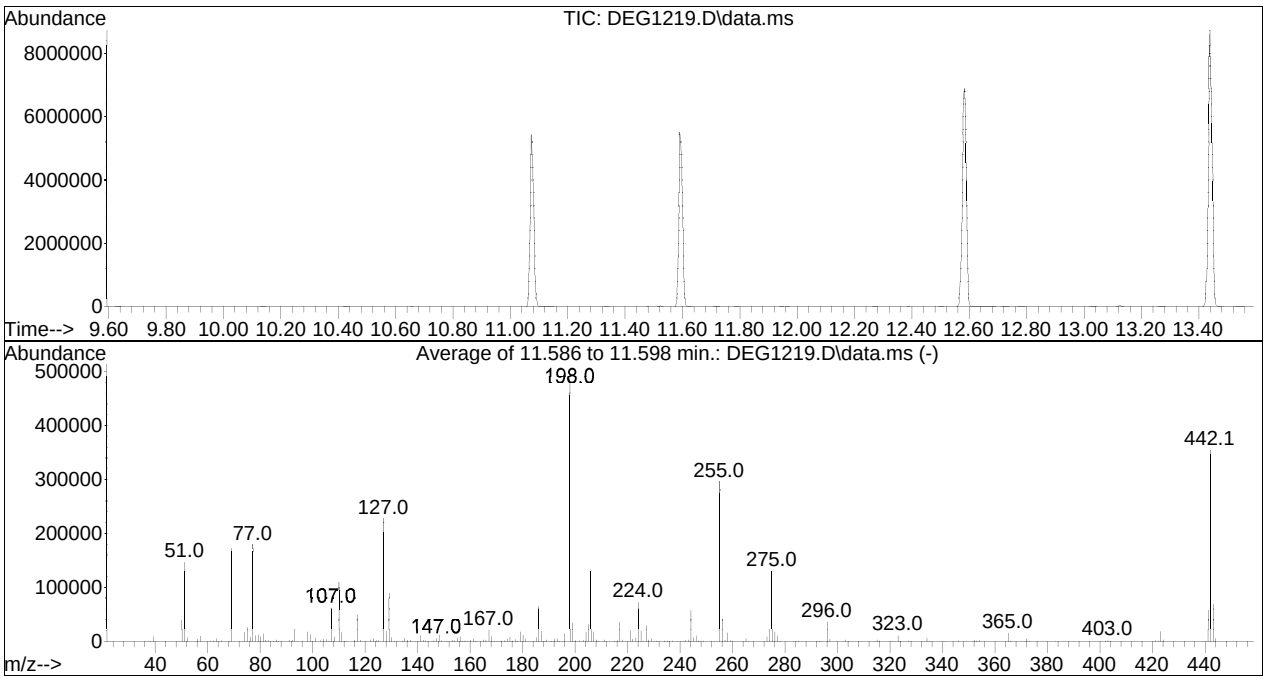
response 1642315

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.42
165.10	44.50	46.31
199.10	14.80	14.28

Data Path : I:\8270\SV106\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 11:03 am
Operator : SV106:gmr
Sample : WG2011391-1,32,,Degdftpp Lot # 11210
Misc : WG2011391,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 19 12:47:40 2024



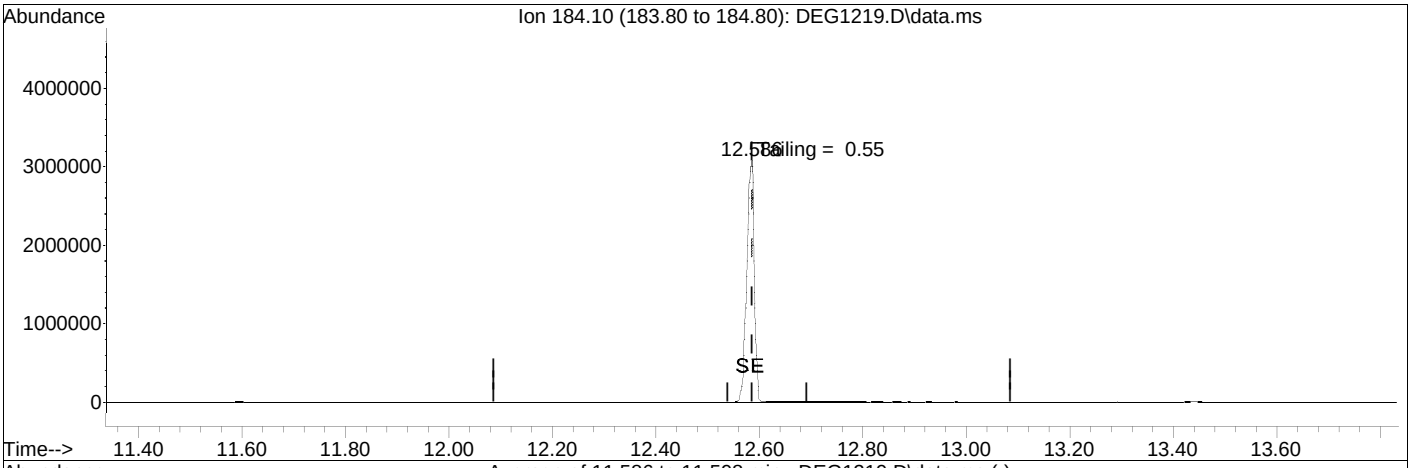
Spectrum Information: Average of 11.586 to 11.598 min.

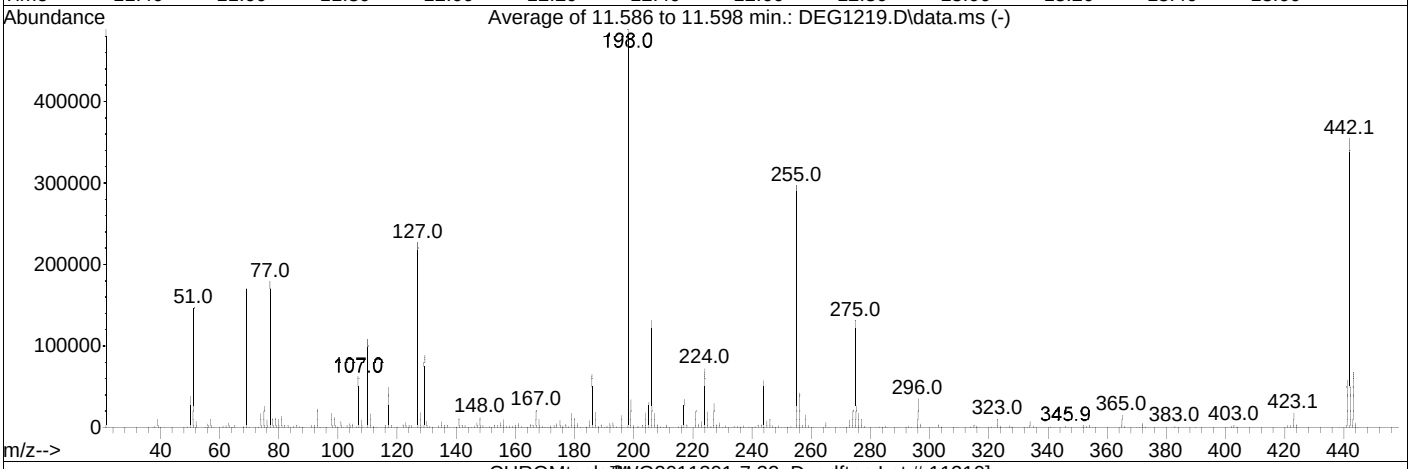
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.0	146616	PASS
68	69	0.00	2	1.0	1625	PASS
69	69	100	100	100.0	170801	PASS
70	69	0.00	2	0.5	931	PASS
127	198	10	80	46.4	226859	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	488789	PASS
199	198	5	9	7.0	34011	PASS
275	198	10	60	26.8	131171	PASS
365	198	1	100	3.2	15488	PASS
441	442	0.01	24	16.3	57752	PASS
442	198	50	100	72.5	354459	PASS
443	442	15	24	19.4	68749	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 11:03 am
Operator : SV106:gmr
Sample : WG2011391-6,32,,Degdftpp Lot # 11210
Misc : WG2011391,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 19 11:36:40 2024
Quant Method : I:\8270\SV106\241219RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 22:17:44 2024
Response via : Initial Calibration





CHROMtools [WG2011391-7,32,,Degdftpp Lot # 11210]

(3) Benzidine (T)

12.586min (+ 0.000) 289.63

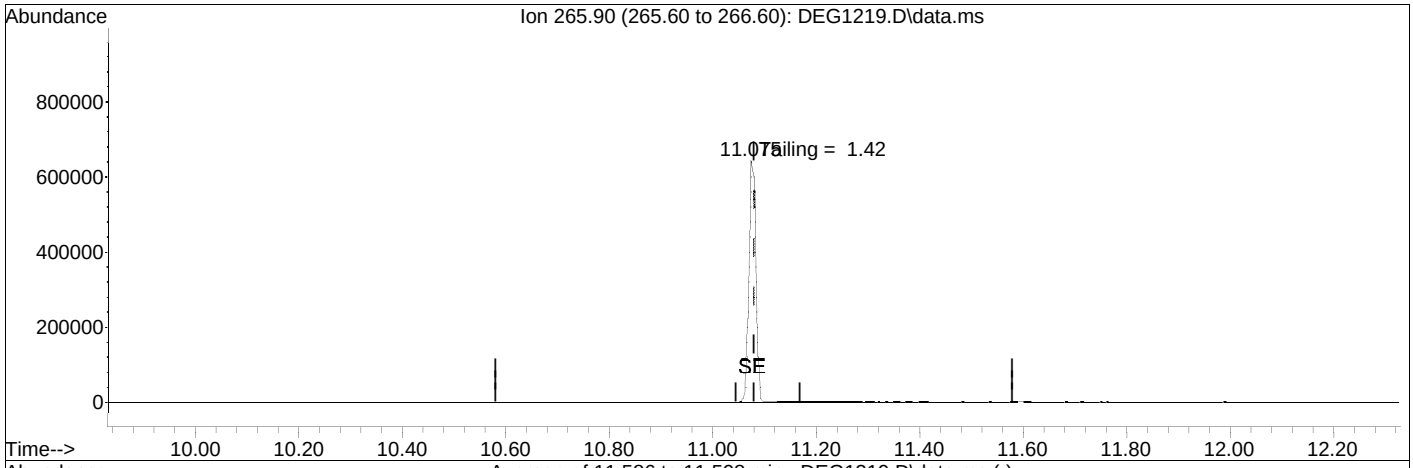
response 2948406

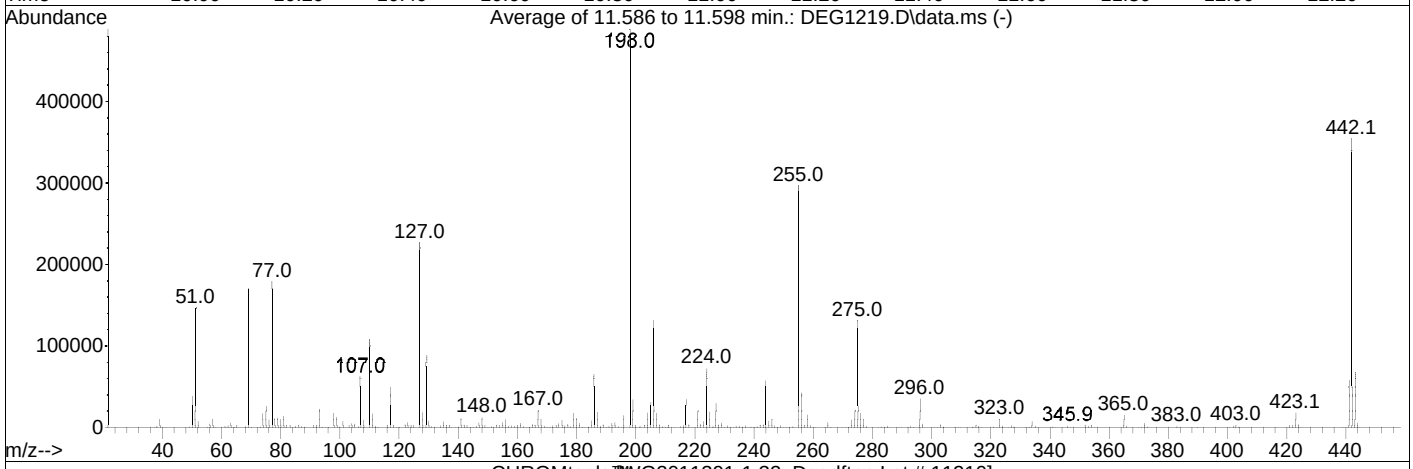
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241219RVT\
Data File : DEG1219.D
Acq On : 19 Dec 2024 11:03 am
Operator : SV106:gmr
Sample : WG2011391-7,32,,Degdftpp Lot # 11210
Misc : WG2011391,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 19 11:36:40 2024
Quant Method : I:\8270\SV106\241219RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 22:17:44 2024
Response via : Initial Calibration





CHROMtools [WG2011391-1,32,,Degdftpp Lot # 11210]

(1) Pentachlorophenol (T)

11.075min (-0.005) 278.33

response 584599

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:27:24 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.636	152	24764	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 92.91%				
27) IS2_1,4-Dichlorobenzen...	3.636	152	24764	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 96.09%				
32) IS3_1,4-Dichlorobenzen...	3.636	152	24764	4.000	ug/ml		0.00
Standard Area 2 = 25981			Recovery = 95.32%				
37) IS1_Naphthalene-d8	4.895	136	92333	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 86.91%				
57) IS2_Naphthalene-d8	4.895	136	92333	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 93.25%				
65) IS1_Acenaphthene-d10	6.577	164	61676	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 86.04%				
85) IS2_Acenaphthene-d10	6.577	164	61676	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 95.32%				
88) IS3_Acenaphthene-d10	6.577	164	61676	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 94.31%				
90) IS1_Phenanthrene-d10	7.966	188	137100	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 87.93%				
102) IS3_Phenanthrene-d10	7.966	188	137100	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 92.94%				
106) IS1_Chrysene-d12	10.471	240	155752	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 89.00%				
115) IS1_Perylene-d12	11.820	264	187394	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 91.33%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.225	112	5623	0.883	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.15%				
7) Phenol-d6	3.369	99	4731	0.580	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.00%				
19) Nitrobenzene-d5	4.214	82	4848	0.655	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.50%				
48) 2-Fluorobiphenyl	5.980	172	12835	0.562	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 56.20%				
81) 2,4,6-Tribromophenol	7.326	330	6434	1.459	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 72.95%				

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:27:24 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	9.535	244	31507	0.794	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 79.40%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	d
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
38) Naphthalene	0.000	0	N.D.	
39) Benzoic Acid	0.000	0	N.D.	
40) 4-Chloroaniline	0.000	0	N.D.	
41) Hexachlorobutadiene	0.000	0	N.D.	
42) p-Chloro-m-cresol	0.000	0	N.D.	
43) 2-Methylnaphthalene	0.000	0	N.D.	
45) Hexachlorocyclopentadiene	0.000	0	N.D.	
46) 2,4,6-Trichlorophenol	0.000	0	N.D.	
47) 2,4,5-Trichlorophenol	0.000	0	N.D.	
49) 2-Chloronaphthalene	0.000	0	N.D.	
50) 2-Nitroaniline	0.000	0	N.D.	
53) Dimethyl phthalate	0.000	0	N.D.	d
54) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:27:24 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 2,6-Dinitrotoluene	0.000		0		N.D.	d
63) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
64) Biphenyl	0.000		0		N.D.	
66) 3-Nitroaniline	0.000		0		N.D.	
67) Acenaphthene	0.000		0		N.D.	
68) 2,4-Dinitrophenol	0.000		0		N.D.	
69) Dibenzofuran	0.000		0		N.D.	
70) 2,4-Dinitrotoluene	0.000		0		N.D.	d
71) 4-Nitrophenol	0.000		0		N.D.	
74) Diethyl phthalate	0.000		0		N.D.	
75) Fluorene	0.000		0		N.D.	
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
83) Hexachlorobenzene	0.000		0		N.D.	
84) Pentachlorophenol	0.000		0		N.D.	
91) Phenanthrene	0.000		0		N.D.	
92) Anthracene	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	
95) Fluoranthene	0.000		0		N.D.	
97) Pyrene	0.000		0		N.D.	
99) Butyl benzyl phthalate	0.000		0		N.D.	
107) Benzo(a)anthracene	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
109) Chrysene	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111) Di-n-octylphthalate	0.000		0		N.D.	d
112) Benzo(b)fluoranthene	0.000		0		N.D.	
113) Benzo(k)fluoranthene	0.000		0		N.D.	
114) Benzo(a)pyrene	0.000		0		N.D.	d
116) Indeno(1,2,3-cd)pyrene	0.000		0		N.D.	
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:27:24 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

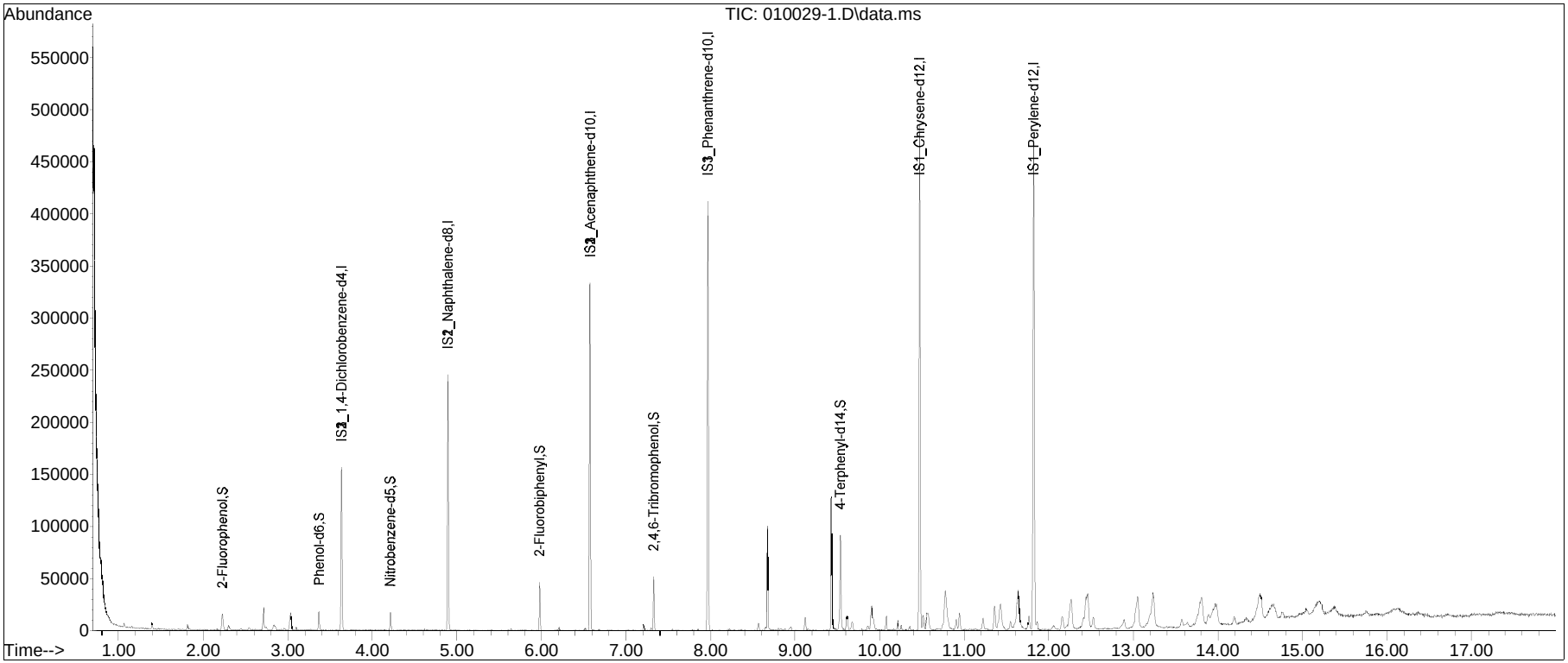
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:27:24 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA7RVT\AP91217.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 010029-1.D	Operator	: Dakota:smz
Date Inj'd	: 12/17/2024 10:31 pm	Instrument	: Dakota
Sample	: WG2010029-1,32,,ASK	Quant Date	: 12/17/2024 10:49 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 010029-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.392	222	227	234	rVB4	6297	6059	1.24%	0.194%
2	2.222	485	494	503	rBV2	15606	18819	3.85%	0.602%
3	2.297	512	518	525	rBV8	4865	6927	1.42%	0.221%
4	2.713	644	652	658	rBV2	21344	23744	4.85%	0.759%
5	2.841	685	693	695	rBV5	4474	5037	1.03%	0.161%
6	3.033	746	755	762	rBV4	16208	22685	4.64%	0.725%
7	3.369	857	863	869	rBV	18420	14773	3.02%	0.472%
8	3.636	942	949	958	rBV	156518	137849	28.18%	4.407%
9	4.214	1129	1135	1143	rVB	17515	14119	2.89%	0.451%
10	4.895	1348	1354	1360	rBV	245699	183272	37.46%	5.859%
11	5.980	1698	1703	1709	rVB	46314	32516	6.65%	1.040%
12	6.577	1887	1895	1902	rBV	333460	261192	53.39%	8.351%
13	7.326	2131	2136	2145	rVB2	51883	38557	7.88%	1.233%
14	7.966	2335	2342	2349	rVB	412250	331223	67.71%	10.590%
15	8.569	2530	2536	2543	rBV3	7082	6501	1.33%	0.208%
16	8.675	2563	2570	2577	rVB	98415	85017	17.38%	2.718%
17	9.116	2706	2712	2717	rBV2	12827	12823	2.62%	0.410%
18	9.430	2805	2813	2819	rBV	127621	115146	23.54%	3.681%
19	9.535	2835	2847	2853	rBV	90904	85532	17.48%	2.735%
20	9.613	2865	2872	2879	rBV4	13319	16090	3.29%	0.514%
21	9.675	2884	2892	2898	rVB3	7473	9918	2.03%	0.317%
22	9.896	2955	2963	2969	rBV3	22475	35614	7.28%	1.139%
23	10.070	3012	3019	3027	rVB3	13375	14702	3.01%	0.470%
24	10.207	3055	3063	3071	rVB5	9493	9890	2.02%	0.316%
25	10.250	3071	3077	3083	rBV2	4929	5232	1.07%	0.167%
26	10.471	3140	3148	3155	rBV	484452	422517	86.37%	13.508%
27	10.508	3155	3160	3170	rVB3	12815	15824	3.23%	0.506%
28	10.561	3170	3177	3178	rBV2	14657	13477	2.75%	0.431%

LSC Area Percent Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270

29	10.776	3231	3246	3266	rBV3	36985	83835	17.14%	2.680%
30	10.903	3279	3287	3293	rBV3	9846	10728	2.19%	0.343%
31	10.940	3293	3299	3307	rVB3	16334	18163	3.71%	0.581%
32	11.223	3382	3390	3396	rBV5	10852	12203	2.49%	0.390%
33	11.354	3425	3432	3439	rBV5	22629	28153	5.75%	0.900%
34	11.425	3442	3455	3468	rVV6	23162	48030	9.82%	1.536%
35	11.540	3484	3492	3497	rBV4	7725	8840	1.81%	0.283%
36	11.633	3510	3522	3538	rVB4	35448	83142	17.00%	2.658%
37	11.767	3555	3565	3573	rBV4	13021	17535	3.58%	0.561%
38	11.820	3573	3582	3591	rVV	475099	489201	100.00%	15.640%
39	11.857	3591	3594	3601	rVB3	7580	7480	1.53%	0.239%
40	12.162	3682	3692	3701	rBV6	12363	21334	4.36%	0.682%
41	12.264	3712	3725	3735	rVB4	27340	56873	11.63%	1.818%
42	12.420	3767	3775	3776	rBV4	9074	10008	2.05%	0.320%
43	12.445	3776	3783	3784	rBV2	20829	17195	3.51%	0.550%
44	12.535	3804	3812	3819	rVB5	10873	15119	3.09%	0.483%
45	13.007	3957	3964	3966	rBV4	5046	5216	1.07%	0.167%
46	13.060	3968	3981	3990	rVB6	28213	62803	12.84%	2.008%
47	13.203	4016	4027	4028	rBV7	9894	13869	2.84%	0.443%
48	13.234	4028	4037	4038	rBV6	21098	23217	4.75%	0.742%
49	13.570	4137	4145	4152	rBV6	7115	9634	1.97%	0.308%
50	13.809	4197	4222	4234	rBV7	25371	81295	16.62%	2.599%
51	13.887	4239	4247	4251	rBV7	9362	14821	3.03%	0.474%
52	14.191	4337	4345	4351	rBV7	7014	10093	2.06%	0.323%
53	14.490	4425	4441	4442	rBV8	19251	34000	6.95%	1.087%

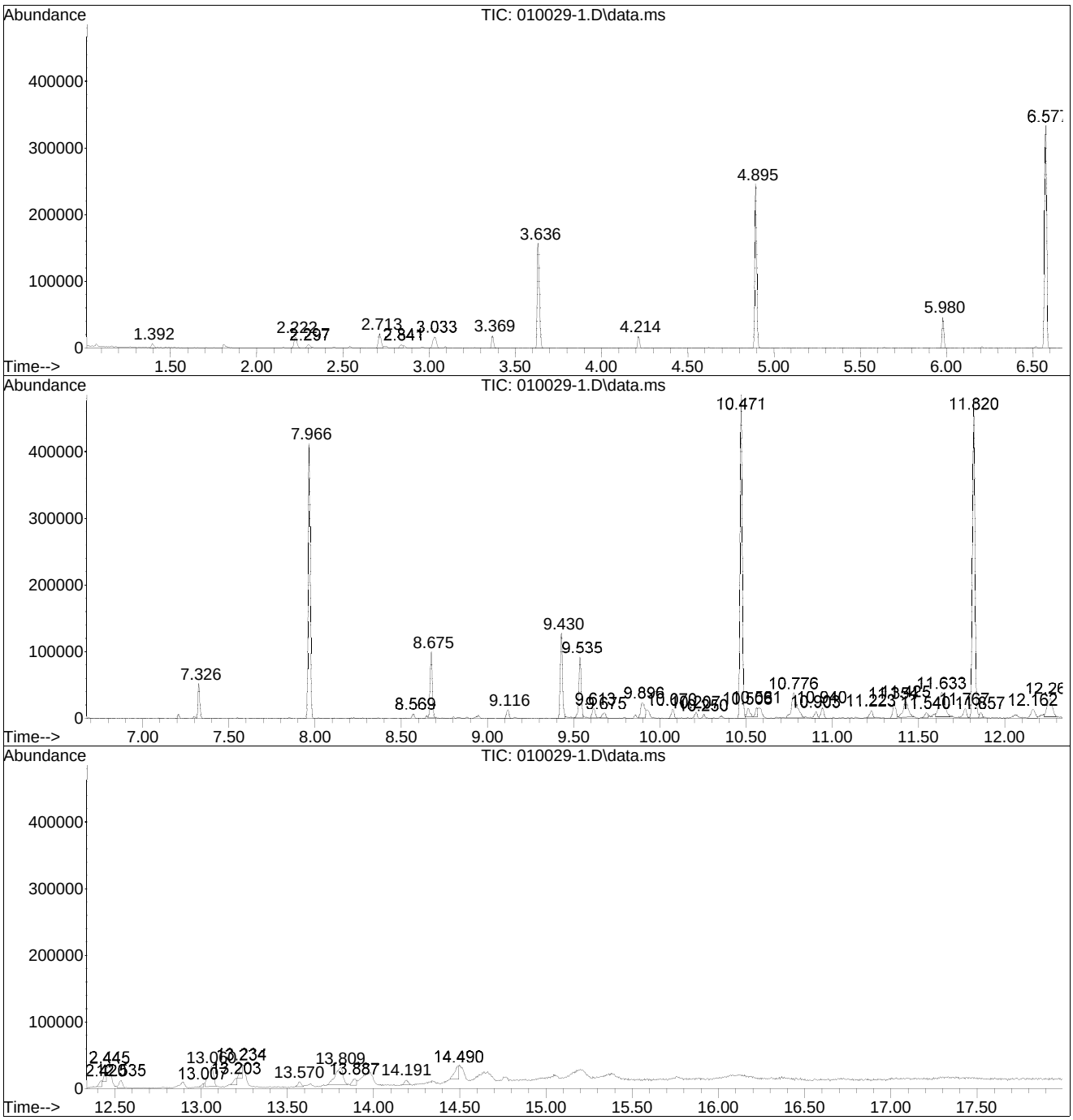
Sum of corrected areas: 3127842

LSC Report - Integrated Chromatogram

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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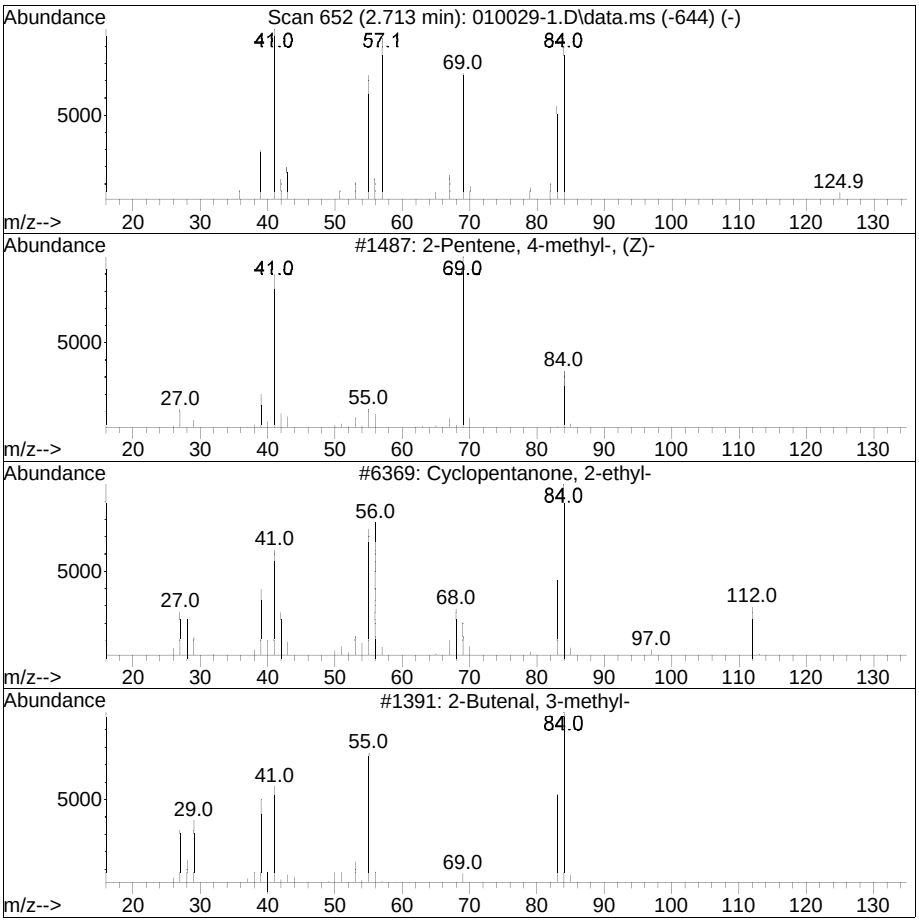
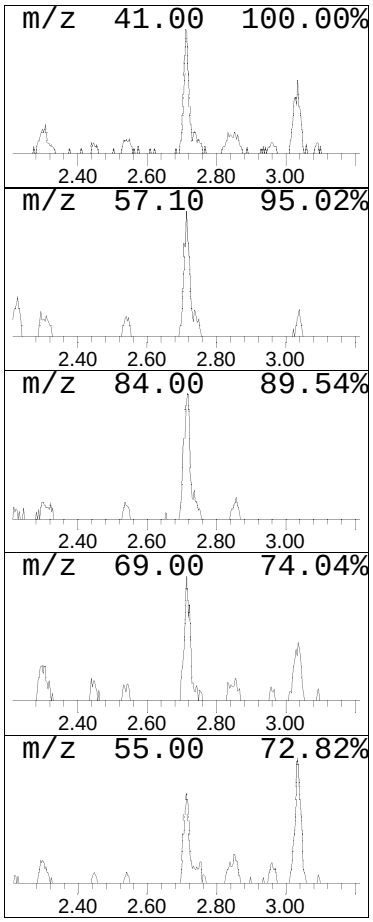
Peak Number 1 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.713	0.69 ug/ml	23744	IS2_1,4-Dichlorobenzene-d4	3.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	52
2	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	43
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
4	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	38
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38





Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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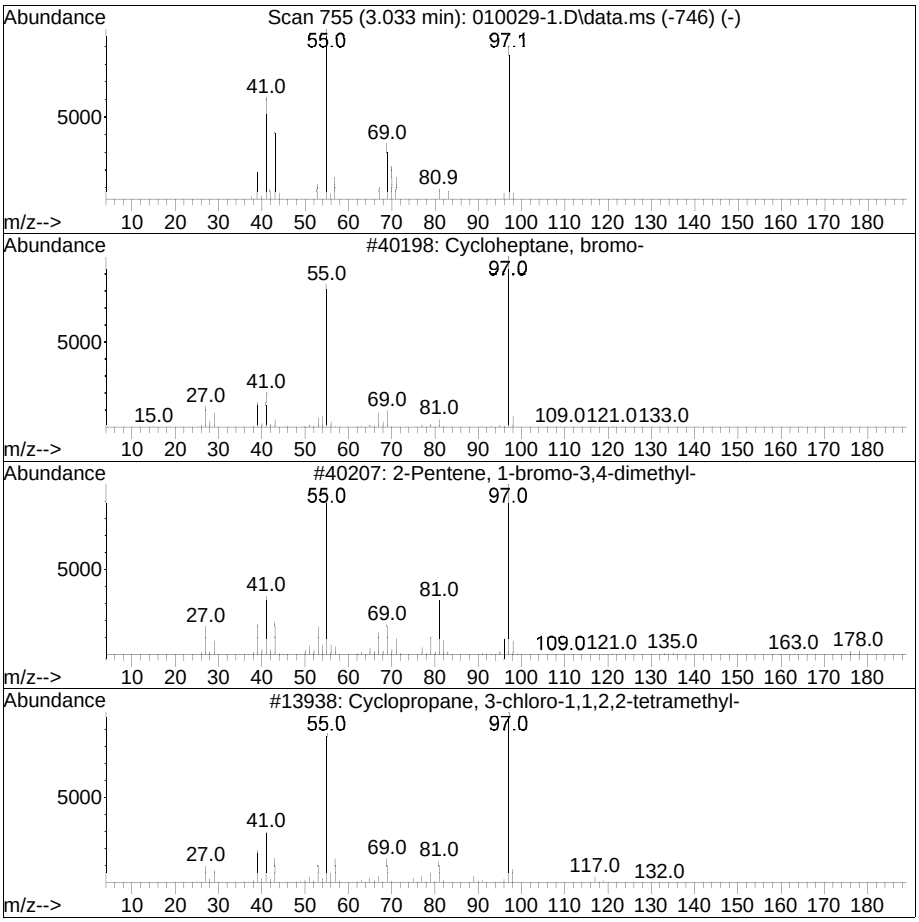
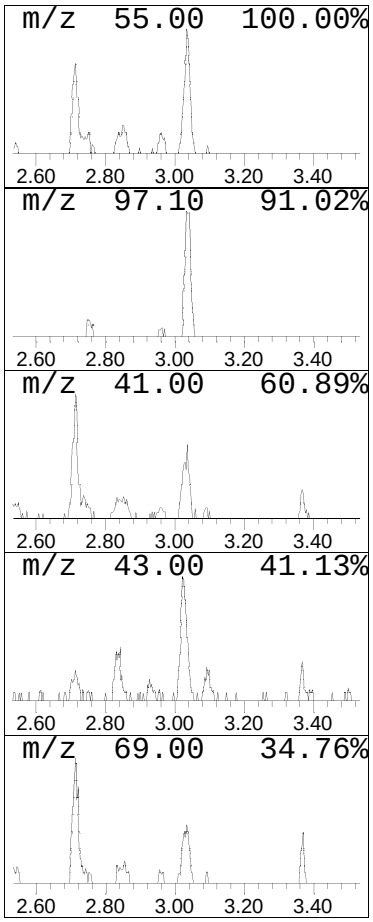
Peak Number 2 Unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.033	0.66 ug/ml	22685	IS2_1,4-Dichlorobenzene-d4	3.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	59
2	2-Pentene, 1-bromo-3,4-dimethyl-	176	C7H13Br	000922-99-6	59
3	Cyclopropane, 3-chloro-1,1,2,2-t...	132	C7H13Cl	014123-41-2	53
4	3-Penten-1-ol, 2,2,4-trimethyl-	128	C8H16O	005842-53-5	45
5	Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	45





Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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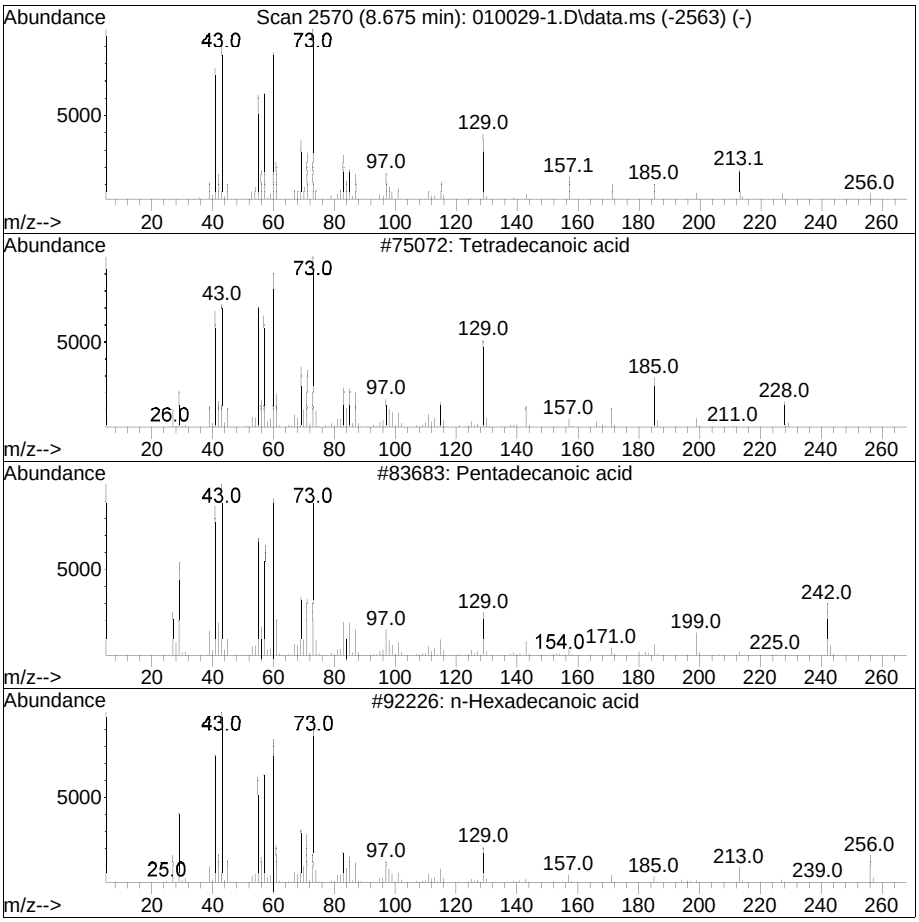
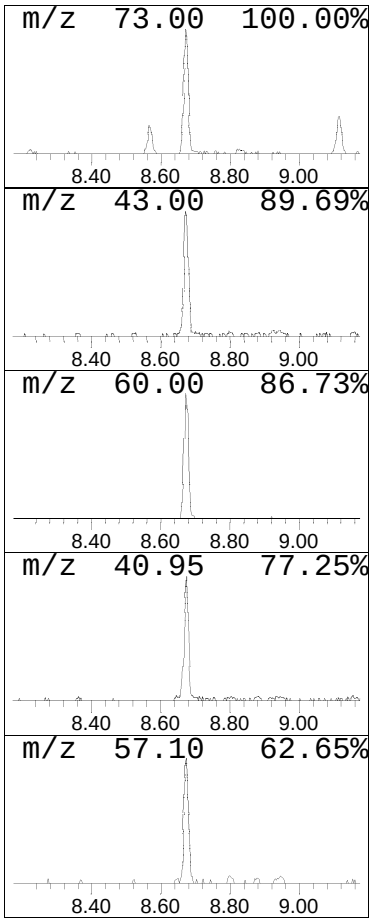
Peak Number 3 Unknown Organic Acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.675	1.03 ug/ml	85017	IS3_Phenanthrene-d10	7.966

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	59
4	Undecanoic acid	186	C11H22O2	000112-37-8	53
5	Dodecanoic acid	200	C12H24O2	000143-07-7	47





Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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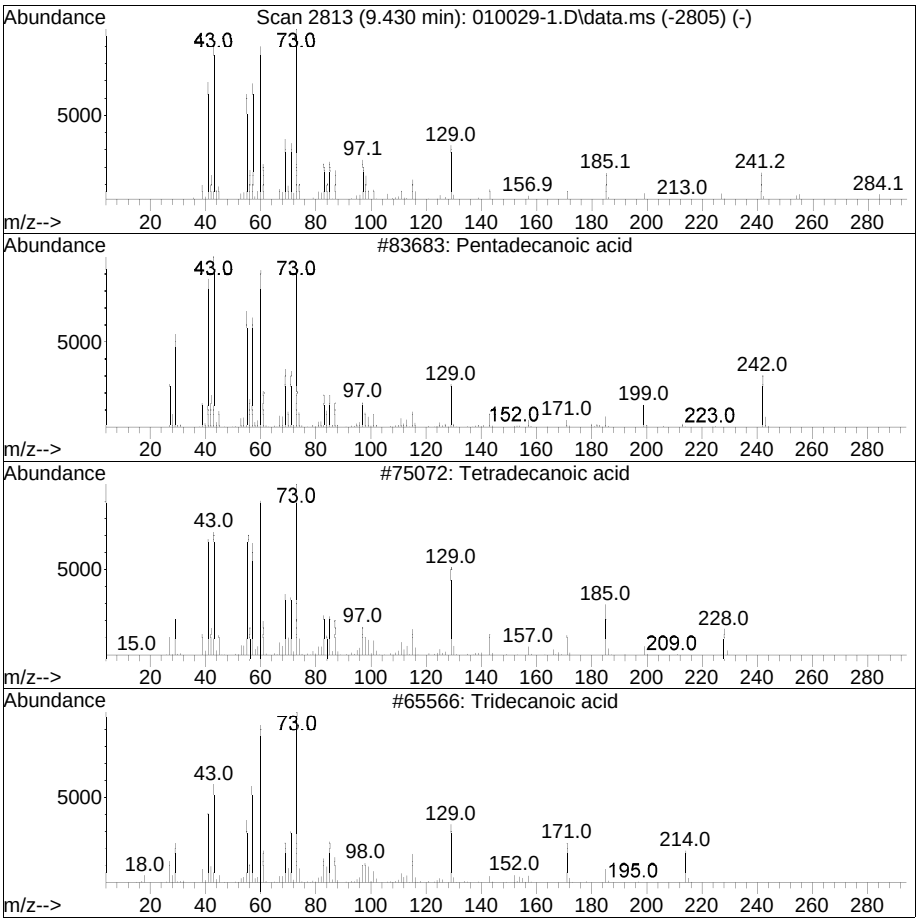
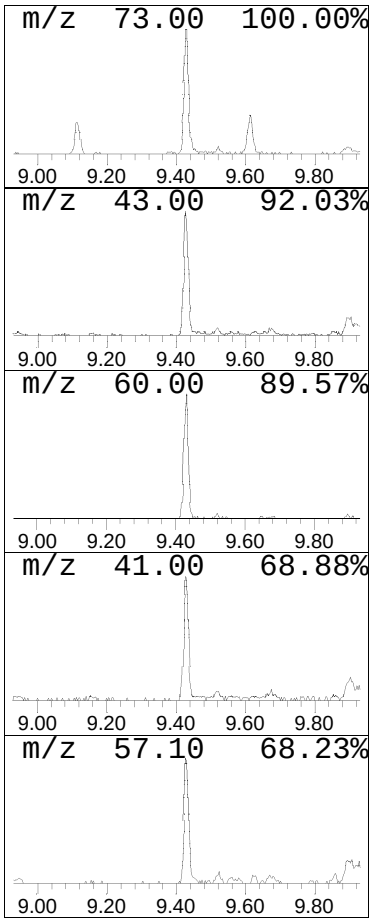
Peak Number 4 Unknown Organic Acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.430	1.09 ug/ml	115146	IS1_Chrysene-d12	10.471

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





Library Search Compound Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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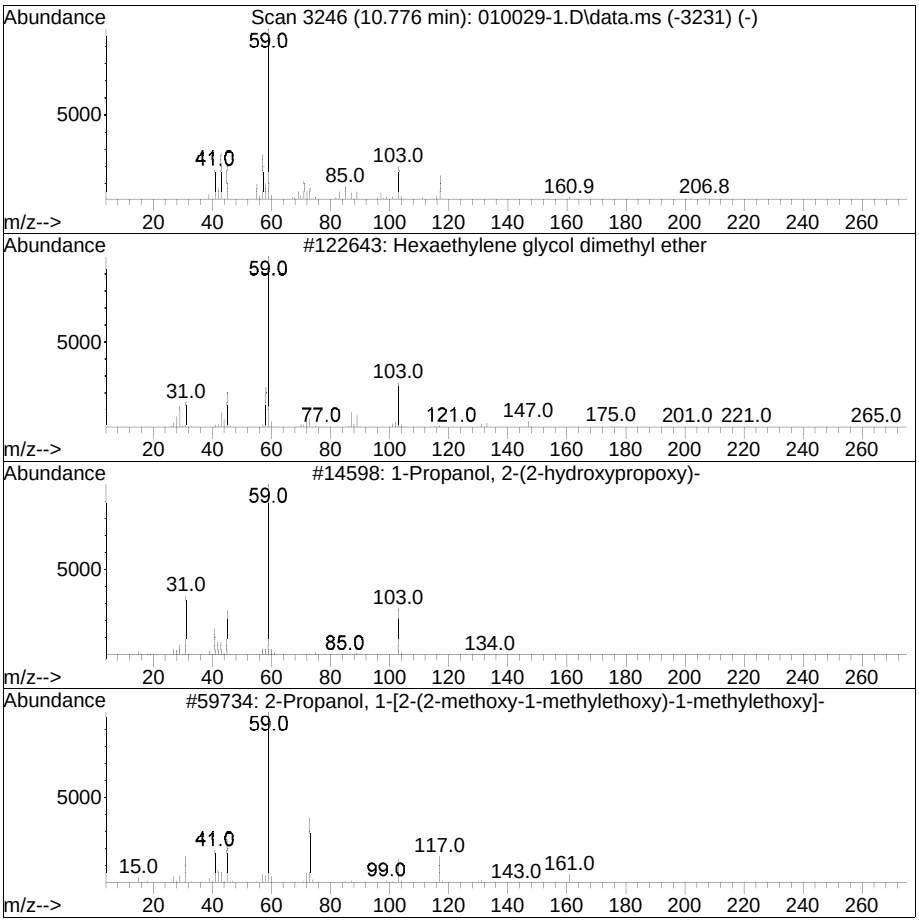
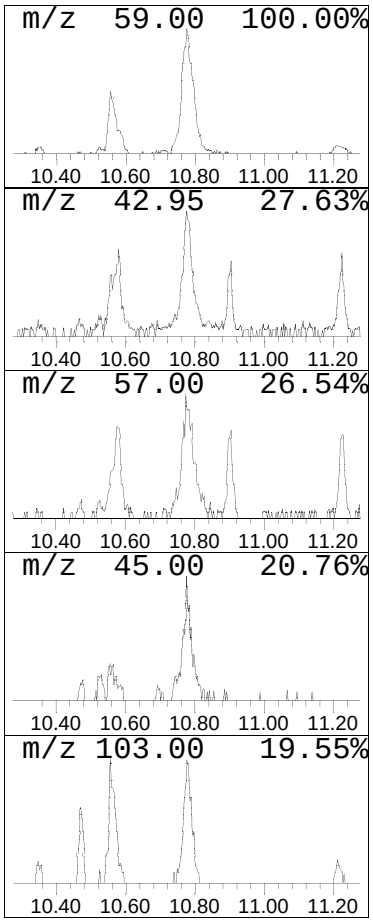
Peak Number 5 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.776	0.79 ug/ml	83835	IS1_Chrysene-d12	10.471

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	59
3	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	59
4	1-Propanol, 2-(2-methoxypropoxy)-	148	C7H16O3	013588-28-8	53
5	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	45





Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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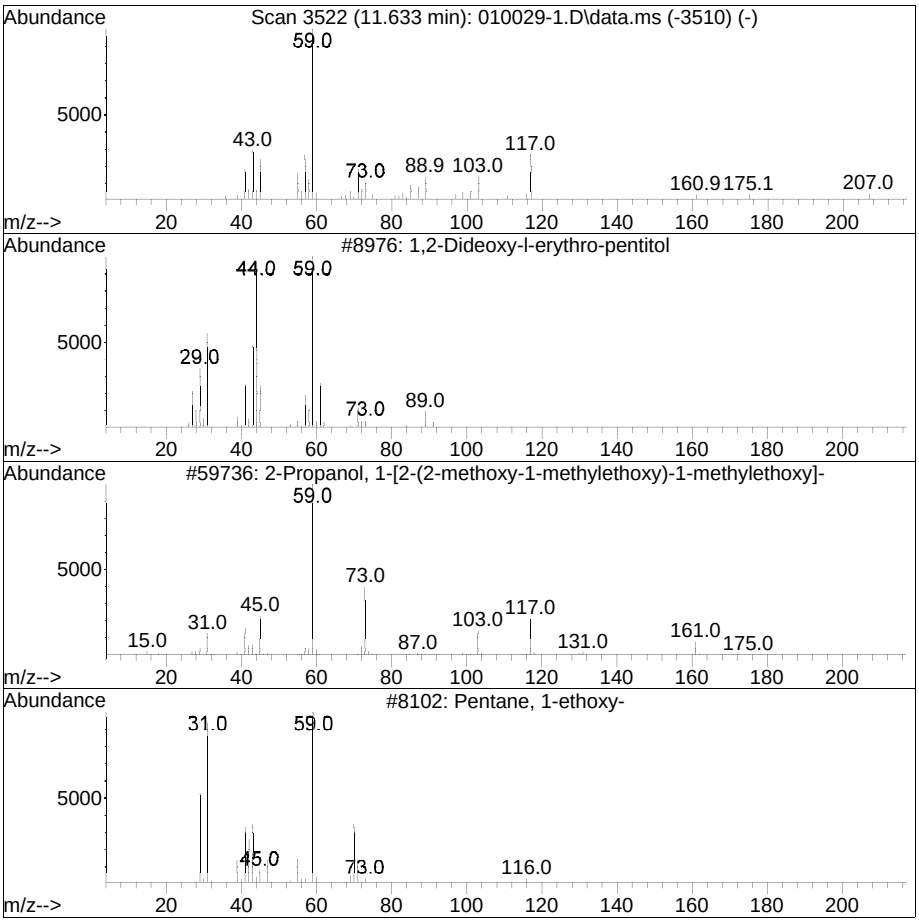
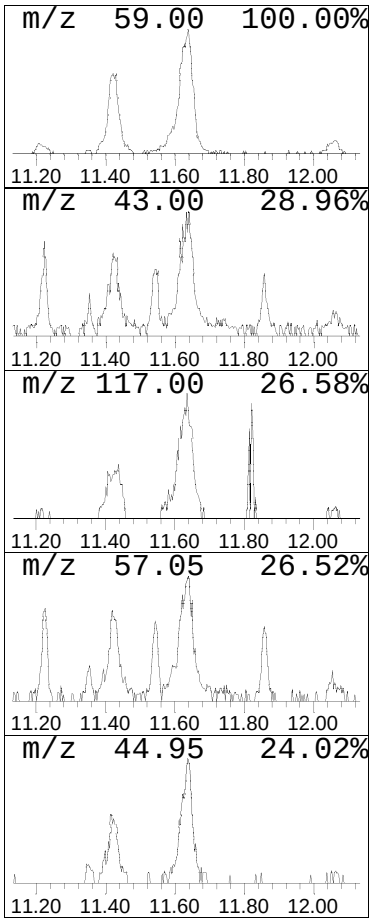
Peak Number 6 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.634	0.68 ug/ml	83142	IS1_Perylene-d12	11.820

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dideoxy-l-erythro-pentitol	120	C5H12O3	1000112-47-4	50
2	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	45
3	Pentane, 1-ethoxy-	116	C7H16O	017952-11-3	43
4	2,4-Diethyl-6-methyl-1,3,5-trioxane	160	C8H16O3	117888-04-7	42
5	Allyl dithioacetate	132	C5H8S2	027249-83-8	40





Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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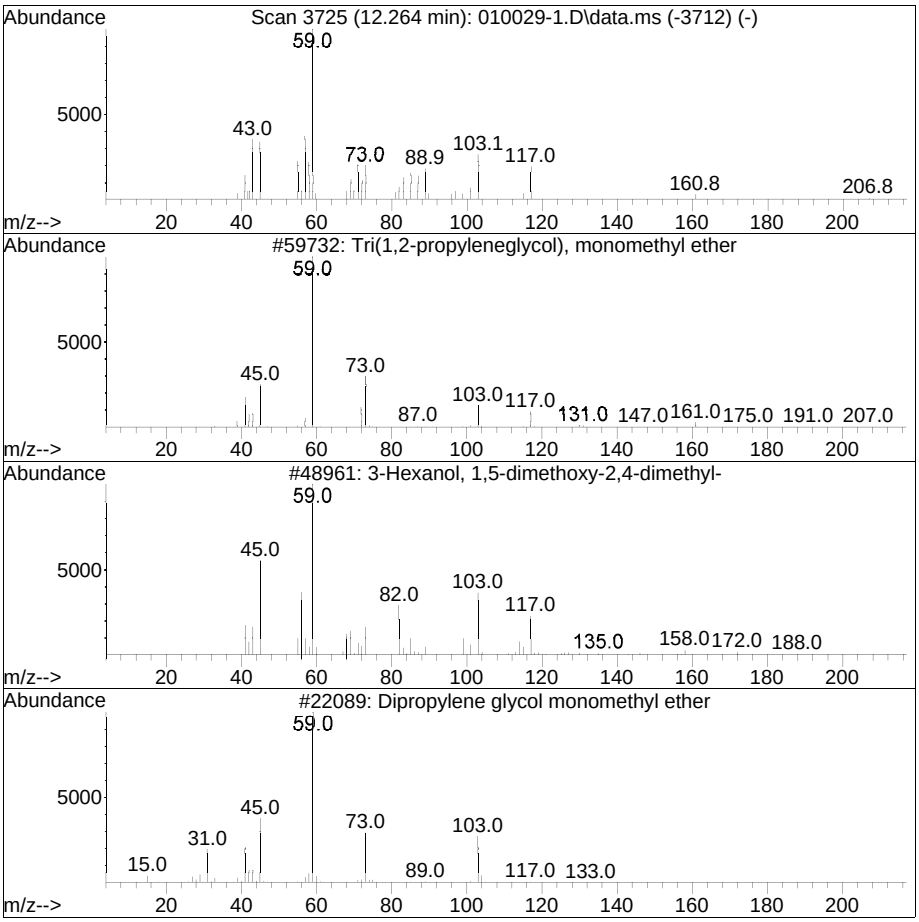
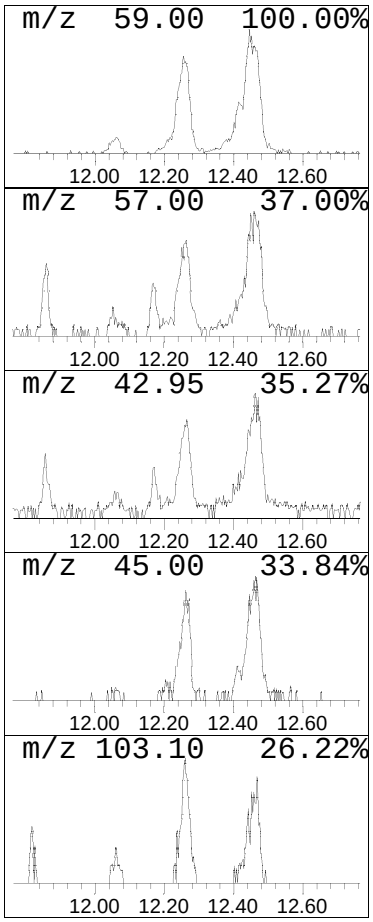
Peak Number 7 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.264	0.47 ug/ml	56873	IS1_Perylene-d12	11.820

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	47
2	3-Hexanol, 1,5-dimethoxy-2,4-dim...	190	C10H22O3	013897-22-8	47
3	Dipropylene glycol monomethyl ether	148	C7H16O3	034590-94-8	43
4	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	40
5	2-[5-(1-Hydroxy-1-methylethyl)-2...	218	C11H22O4	1000190-33-6	38





Library Search Compound Report

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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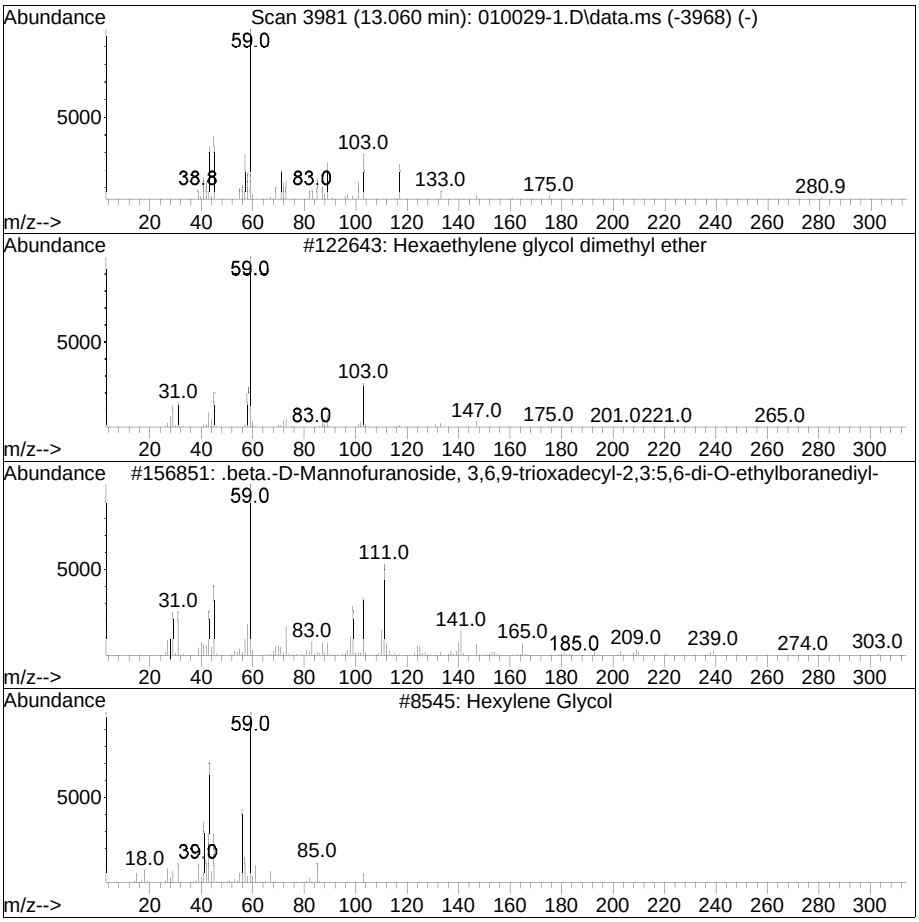
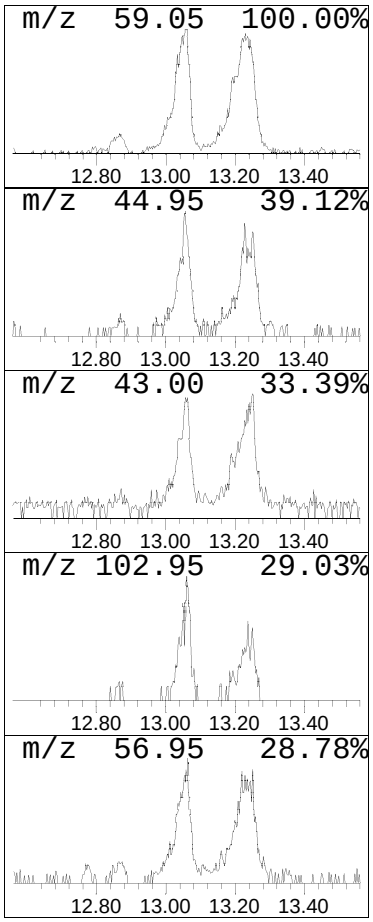
Peak Number 8 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.060	0.51 ug/ml	62803	IS1_Perylene-d12	11.820

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	43
2	.beta.-D-Mannofuranoside, 3,6,9-...	402	C17H32B2O9	1000155-77-2	42
3	Hexylene Glycol	118	C6H14O2	000107-41-5	38
4	2,2-Dimethylbutanedioic acid	146	C6H10O4	000597-43-3	38
5	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	38





Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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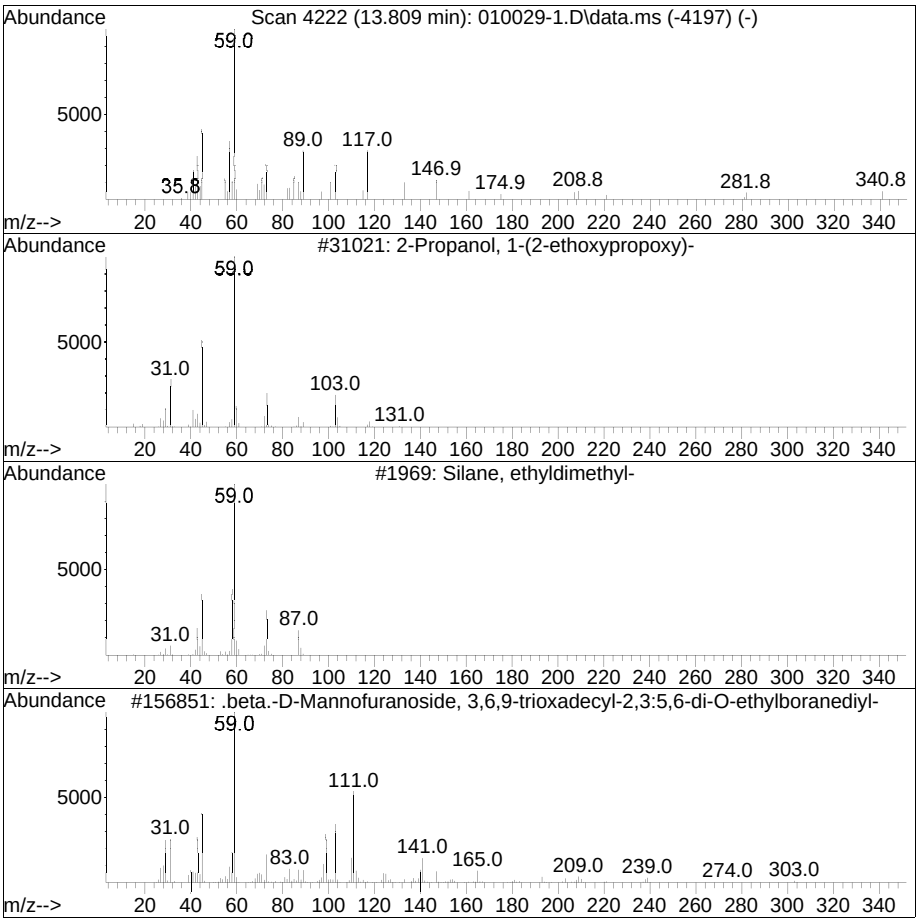
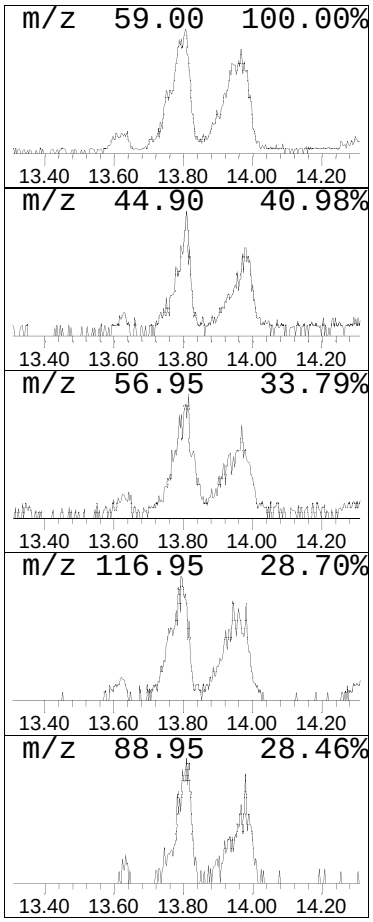
Peak Number 9 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.809	0.66 ug/ml	81295	IS1_Perylene-d12	11.820

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	53
2	Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	47
3	.beta.-D-Mannofuranoside, 3,6,9-...	402	C17H32B2O9	1000155-77-2	40
4	Tetraethyleneglycol monomethylether	208	C9H20O5	023783-42-8	38
5	2,4-Diethyl-6-methyl-1,3,5-trioxane	160	C8H16O3	117888-04-7	38





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-1.D
Acq On : 17 Dec 2024 10:31 pm
Operator : Dakota:smz
Sample : WG2010029-1,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.713	0.7	ug/ml	23744	1	3.636	137849	4.0
Unknown	3.033	0.7	ug/ml	22685	1	3.636	137849	4.0
Unknown Organic...	8.675	1.0	ug/ml	85017	11	7.966	331223	4.0
Unknown Organic...	9.430	1.1	ug/ml	115146	12	10.471	422517	4.0
Unknown	10.776	0.8	ug/ml	83835	12	10.471	422517	4.0
Unknown	11.634	0.7	ug/ml	83142	13	11.820	489201	4.0
Unknown	12.264	0.5	ug/ml	56873	13	11.820	489201	4.0
Unknown	13.060	0.5	ug/ml	62803	13	11.820	489201	4.0
Unknown	13.809	0.7	ug/ml	81295	13	11.820	489201	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 10:12:04 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.640	152	57323	4.000	ug/ml	0.00
Standard Area 1 = 49612			Recovery = 115.54%			
27) IS2_1,4-Dichlorobenzen...	6.640	152	57323	4.000	ug/ml	0.00
Standard Area 3 = 57665			Recovery = 99.41%			
32) IS3_1,4-Dichlorobenzen...	6.640	152	57323	4.000	ug/ml	0.00
Standard Area 2 = 50150			Recovery = 114.30%			
35) IS1_Naphthalene-d8	8.045	136	226145	4.000	ug/ml	0.00
Standard Area 1 = 183058			Recovery = 123.54%			
55) IS2_Naphthalene-d8	8.045	136	226145	4.000	ug/ml	0.00
Standard Area 3 = 207211			Recovery = 109.14%			
63) IS1_Acenaphthene-d10	9.804	164	133913	4.000	ug/ml	0.00
Standard Area 1 = 122903			Recovery = 108.96%			
83) IS2_Acenaphthene-d10	9.804	164	133913	4.000	ug/ml	0.00
Standard Area 3 = 120872			Recovery = 110.79%			
86) IS3_Acenaphthene-d10	9.804	164	133913	4.000	ug/ml	0.00
Standard Area 2 = 113815			Recovery = 117.66%			
88) IS1_Phenanthrene-d10	11.245	188	259300	4.000	ug/ml	0.00
Standard Area 1 = 229574			Recovery = 112.95%			
100) IS3_Phenanthrene-d10	11.245	188	259300	4.000	ug/ml	0.00
Standard Area 2 = 236979			Recovery = 109.42%			
104) IS1_Chrysene-d12	13.904	240	274033	4.000	ug/ml	0.00
Standard Area 1 = 264435			Recovery = 103.63%			
113) IS1_Perylene-d12	15.380	264	328810	4.000	ug/ml	0.00
Standard Area 1 = 304444			Recovery = 108.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	11856	0.665	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.25%			
7) Phenol-d6	6.269	99	10054	0.468	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.40%			
19) Nitrobenzene-d5	7.287	82	10019	0.514	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 51.40%			
46) 2-Fluorobiphenyl	9.163	172	27358	0.523	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 52.30%			
79) 2,4,6-Tribromophenol	10.575	330	6871	0.907	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.35%			

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 10:12:04 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.833	244	38285	0.550	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 55.00%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	d
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	
37) Benzoic Acid	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	
52) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 10:12:04 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	0.000		0	N.D.	d	
61)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62)	Biphenyl	0.000		0	N.D.		
64)	3-Nitroaniline	0.000		0	N.D.		
65)	Acenaphthene	0.000		0	N.D.	d	
66)	2,4-Dinitrophenol	0.000		0	N.D.		
67)	Dibenzofuran	0.000		0	N.D.		
68)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
69)	4-Nitrophenol	0.000		0	N.D.	d	
72)	Diethyl phthalate	0.000		0	N.D.		
73)	Fluorene	0.000		0	N.D.		
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
81)	Hexachlorobenzene	0.000		0	N.D.		
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	0.000		0	N.D.		
90)	Anthracene	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
93)	Fluoranthene	0.000		0	N.D.		
95)	Pyrene	0.000		0	N.D.		
97)	Butyl benzyl phthalate	0.000		0	N.D.		
105)	Benzo(a)anthracene	0.000		0	N.D.	d	
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
107)	Chrysene	0.000		0	N.D.	d	
108)	Bis(2-ethylhexyl)phtha...	13.998	149	1476	0.026	ug/ml#	52
109)	Di-n-octylphthalate	0.000		0	N.D.	d	
110)	Benzo(b)fluoranthene	0.000		0	N.D.		
111)	Benzo(k)fluoranthene	0.000		0	N.D.		
112)	Benzo(a)pyrene	0.000		0	N.D.	d	
114)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
116)	Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 10:12:04 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

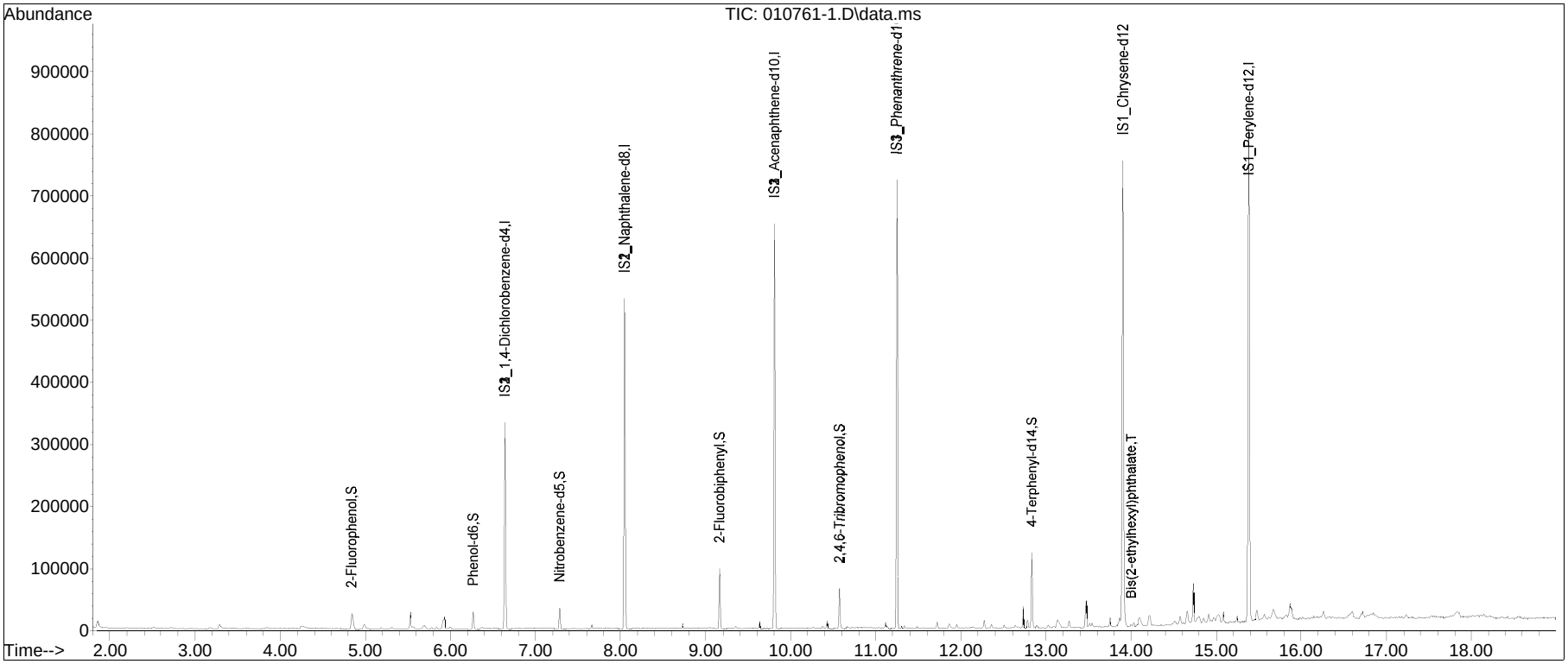
(#) = qualifier out of range (m) = manual integration (+) = signals summed

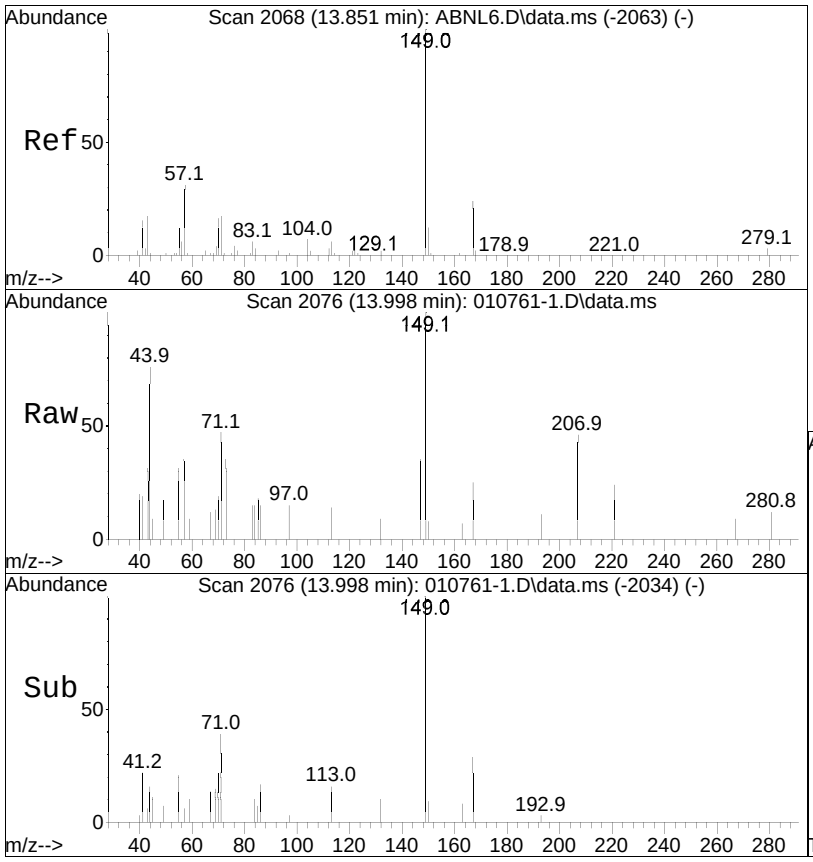
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 10:12:04 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91218.D•

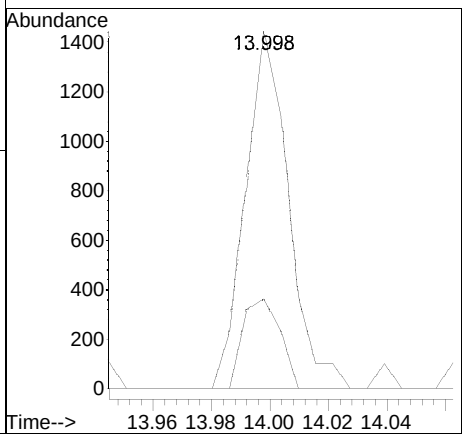




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.03 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. -0.006 min
Lab File: 010761-1.D
Acq: 19 Dec 2024 12:42 am

Tgt Ion:149 Resp: 1476

Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\241218RVT\	QMethod	: FS241009SV106.m
Data File	: 010761-1.D	Operator	: SV106:im
Date Inj'd	: 12/19/2024 12:42 am	Instrument	: SV 106
Sample	: WG2010761-1,32,,ASK	Quant Date	: 12/19/2024 1:01 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 010761-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.852	4	11	20	rBV2	11234	24153	2.70%	0.514%
2	3.287	250	255	263	rBV6	6972	14202	1.59%	0.302%
3	4.840	515	519	527	rVB	25658	38866	4.35%	0.827%
4	4.987	538	544	554	rBV4	7952	15466	1.73%	0.329%
5	5.528	631	636	640	rBV3	26395	34928	3.91%	0.743%
6	5.687	654	663	665	rBV7	5880	9641	1.08%	0.205%
7	5.910	696	701	702	rBV	14401	16221	1.81%	0.345%
8	5.928	702	704	708	rVB2	19494	20680	2.31%	0.440%
9	6.269	758	762	768	rVB	28615	28358	3.17%	0.603%
10	6.640	821	825	831	rVB	332835	313648	35.07%	6.672%
11	7.287	930	935	938	rBV	34406	32367	3.62%	0.689%
12	8.045	1060	1064	1068	rBV	532240	444008	49.65%	9.445%
13	9.163	1250	1254	1258	rVB	96636	76221	8.52%	1.621%
14	9.633	1331	1334	1337	rVB2	11038	9086	1.02%	0.193%
15	9.804	1360	1363	1367	rVB	651447	562415	62.89%	11.964%
16	10.428	1466	1469	1472	rBV2	11612	9455	1.06%	0.201%
17	10.575	1490	1494	1498	rBV	63923	53830	6.02%	1.145%
18	11.245	1604	1608	1612	rBV	722195	627994	70.22%	13.359%
19	11.716	1685	1688	1692	rVB	10329	10903	1.22%	0.232%
20	11.857	1709	1712	1719	rBV6	7279	10099	1.13%	0.215%
21	12.274	1777	1783	1786	rBV2	12794	12501	1.40%	0.266%
22	12.727	1854	1860	1865	rVB	34850	30317	3.39%	0.645%
23	12.780	1866	1869	1872	rBV2	12655	13893	1.55%	0.296%
24	12.833	1875	1878	1882	rVV	120299	103138	11.53%	2.194%
25	13.139	1926	1930	1938	rBV3	12873	27458	3.07%	0.584%
26	13.269	1946	1952	1957	rBV3	10979	13550	1.52%	0.288%
27	13.469	1979	1986	1990	rBV2	43597	59278	6.63%	1.261%
28	13.745	2028	2033	2037	rBV2	14546	18575	2.08%	0.395%

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270

29	13.869	2050	2054	2056	rBV4	13010	16665	1.86%	0.355%
30	13.904	2056	2060	2068	rVB	750230	757889	84.75%	16.123%
31	14.104	2084	2094	2102	rBV6	14231	39045	4.37%	0.831%
32	14.216	2108	2113	2119	rBV6	16741	30202	3.38%	0.642%
33	14.574	2167	2174	2178	rBV3	12532	17530	1.96%	0.373%
34	14.651	2183	2187	2192	rBV3	20794	33034	3.69%	0.703%
35	14.733	2197	2201	2204	rVV	60723	59826	6.69%	1.273%
36	14.851	2217	2221	2225	rBV6	7534	9921	1.11%	0.211%
37	14.910	2227	2231	2234	rBV2	13549	15728	1.76%	0.335%
38	14.963	2238	2240	2244	rVV4	7154	9963	1.11%	0.212%
39	15.021	2244	2250	2255	rVB7	11915	28059	3.14%	0.597%
40	15.080	2256	2260	2263	rBV2	15036	16380	1.83%	0.348%
41	15.245	2285	2288	2290	rBV2	9172	8997	1.01%	0.191%
42	15.380	2306	2311	2318	rBV	800398	894269	100.00%	19.024%
43	15.480	2325	2328	2333	rVB4	15972	23000	2.57%	0.489%
44	15.568	2341	2343	2349	rVB7	8034	10044	1.12%	0.214%
45	15.674	2356	2361	2367	rVB7	13102	25241	2.82%	0.537%
46	15.868	2390	2394	2406	rVB7	23661	54945	6.14%	1.169%
47	16.268	2458	2462	2468	rVB5	12279	18765	2.10%	0.399%

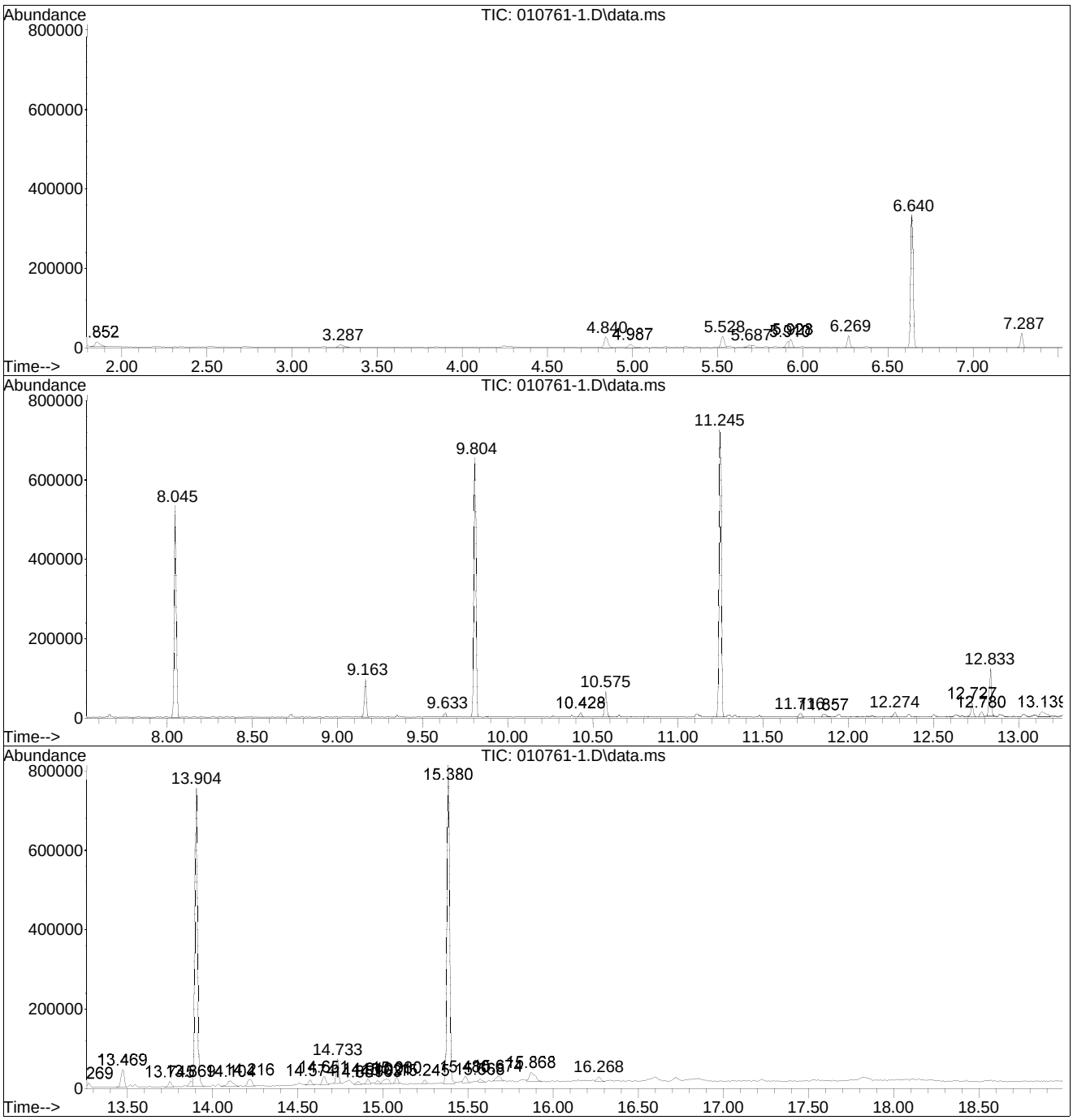
Sum of corrected areas: 4700754

LSC Report - Integrated Chromatogram

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

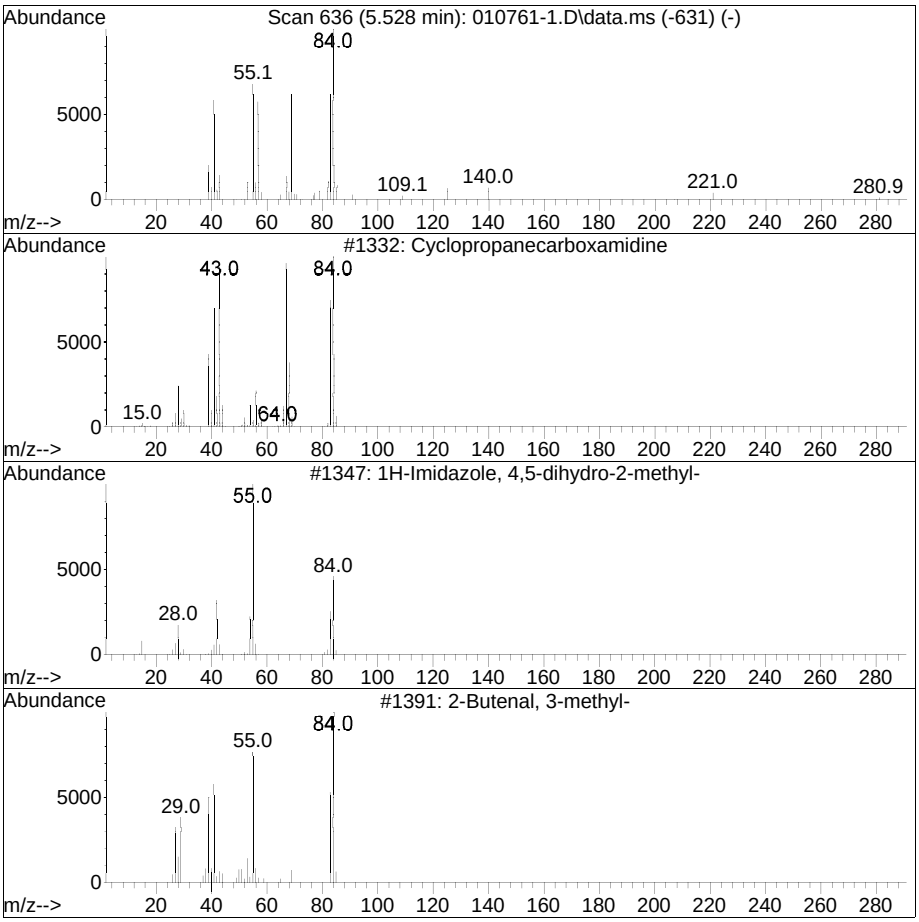
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

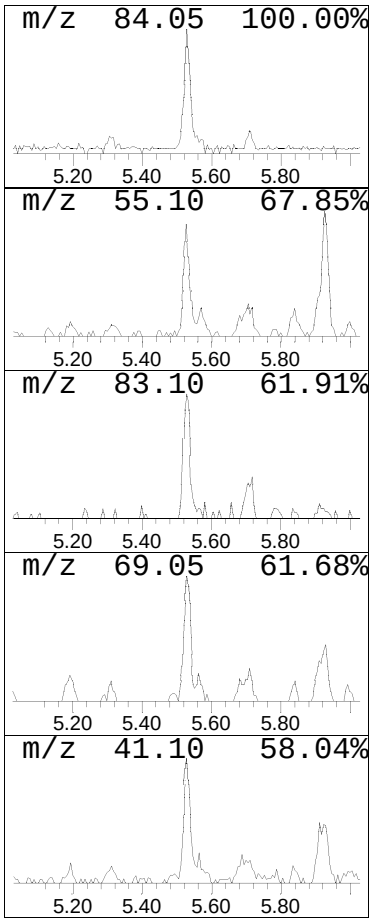
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.528	0.45 ug/ml	34928	IS2_1,4-Dichlorobenzene-d4	6.640

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxamidine	84	C4H8N2	054070-74-5	72
2	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	64
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	59
4	3,6,6-Trimethyl-cyclohex-2-enol	140	C9H16O	073741-62-5	47
5	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	46





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-1.D
Acq On : 19 Dec 2024 12:42 am
Operator : SV106:im
Sample : WG2010761-1,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	5.528	0.4	ug/ml	34928	1	6.640	313648	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 10:43:46 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.828	152	28576	4.000	ug/ml		0.00
Standard Area 1 = 31733			Recovery = 90.05%				
27) IS2_1,4-Dichlorobenzen...	4.828	152	28576	4.000	ug/ml		0.00
Standard Area 3 = 37135			Recovery = 76.95%				
32) IS3_1,4-Dichlorobenzen...	4.828	152	28576	4.000	ug/ml		0.00
Standard Area 2 = 29954			Recovery = 95.40%				
35) IS1_Naphthalene-d8	6.069	136	102328	4.000	ug/ml		0.00
Standard Area 1 = 119379			Recovery = 85.72%				
55) IS2_Naphthalene-d8	6.069	136	102328	4.000	ug/ml		0.00
Standard Area 3 = 134467			Recovery = 76.10%				
63) IS1_Acenaphthene-d10	7.787	164	61011	4.000	ug/ml		0.00
Standard Area 1 = 75180			Recovery = 81.15%				
83) IS2_Acenaphthene-d10	7.787	164	61011	4.000	ug/ml		0.00
Standard Area 3 = 84559			Recovery = 72.15%				
86) IS3_Acenaphthene-d10	7.787	164	61011	4.000	ug/ml		0.00
Standard Area 2 = 66138			Recovery = 92.25%				
88) IS1_Phenanthrene-d10	9.228	188	128045	4.000	ug/ml	#	0.00
Standard Area 1 = 158888			Recovery = 80.59%				
100) IS3_Phenanthrene-d10	9.228	188	128045	4.000	ug/ml	#	0.00
Standard Area 2 = 146403			Recovery = 87.46%				
104) IS1_Chrysene-d12	11.898	240	141541	4.000	ug/ml	#	0.00
Standard Area 1 = 186682			Recovery = 75.82%				
113) IS1_Perylene-d12	13.386	264	157971	4.000	ug/ml		0.00
Standard Area 1 = 210513			Recovery = 75.04%				
System Monitoring Compounds							
4) 2-Fluorophenol	3.558	112	6542	0.820	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.00%				
7) Phenol-d6	4.499	99	5645	0.558	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.90%				
19) Nitrobenzene-d5	5.369	82	6146	0.676	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.60%				
46) 2-Fluorobiphenyl	7.146	172	17214	0.736	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.60%				
79) 2,4,6-Tribromophenol	8.557	330	3668	0.986	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.30%				

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 10:43:46 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.822	244	29150	0.853	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 85.30%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	d
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	
37) Benzoic Acid	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	
52) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 10:43:46 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	0.000		0		N.D.	d
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	
64) 3-Nitroaniline	0.000		0		N.D.	
65) Acenaphthene	0.000		0		N.D.	
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	
68) 2,4-Dinitrotoluene	0.000		0		N.D.	d
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
73) Fluorene	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
81) Hexachlorobenzene	0.000		0		N.D.	
82) Pentachlorophenol	0.000		0		N.D.	
89) Phenanthrene	0.000		0		N.D.	
90) Anthracene	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
93) Fluoranthene	0.000		0		N.D.	
95) Pyrene	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
105) Benzo(a)anthracene	0.000		0		N.D.	d
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
107) Chrysene	0.000		0		N.D.	d
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d
110) Benzo(b)fluoranthene	0.000		0		N.D.	
111) Benzo(k)fluoranthene	0.000		0		N.D.	
112) Benzo(a)pyrene	0.000		0		N.D.	d
114) Indeno(1,2,3-cd)pyrene	0.000		0		N.D.	
115) Dibenzo(a,h)anthracene	0.000		0		N.D.	
116) Benzo(ghi)perylene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 10:43:46 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

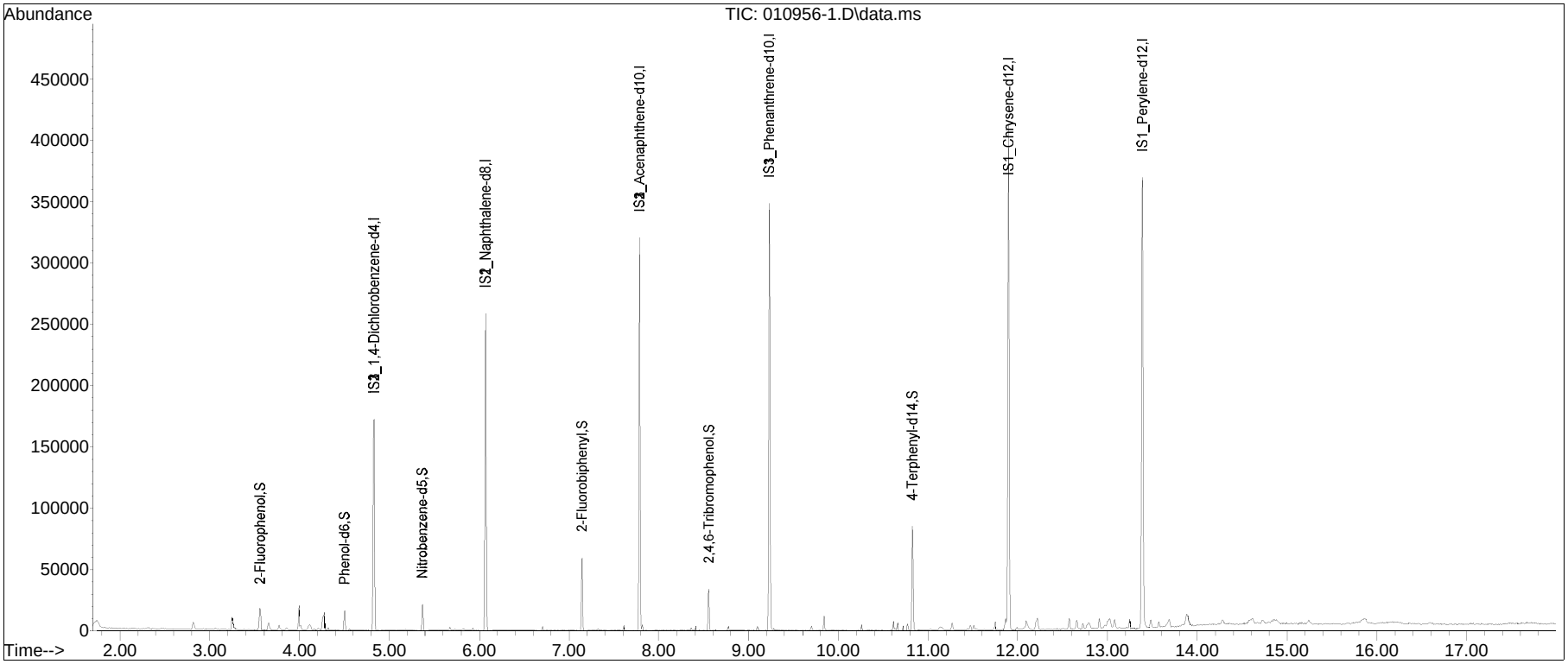
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 10:43:46 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91219.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241219RVT\	QMethod	: FS241215SV112RVT.m
Data File	: 010956-1.D	Operator	: SV112:smz
Date Inj'd	: 12/19/2024 4:13 pm	Instrument	: SV112
Sample	: WG2011033-1,32,,gmr	Quant Date	: 12/19/2024 4:31 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 010956-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.816	189	192	197	rVB2	5716	7559	1.84%	0.345%
2	3.246	262	265	271	rBV	9948	13077	3.18%	0.596%
3	3.552	313	317	321	rBV	17632	20153	4.91%	0.919%
4	3.658	329	335	342	rVB2	6208	9289	2.26%	0.423%
5	3.769	351	354	362	rVB2	4068	4871	1.19%	0.222%
6	3.987	387	391	394	rBV	19648	22843	5.56%	1.041%
7	4.110	406	412	418	rVB4	4282	8399	2.05%	0.383%
8	4.269	433	439	443	rBV2	14181	23829	5.80%	1.086%
9	4.499	474	478	481	rVB	16325	15395	3.75%	0.702%
10	4.828	530	534	537	rBV	172042	160503	39.08%	7.316%
11	5.369	623	626	632	rVB	21609	18109	4.41%	0.825%
12	6.069	741	745	749	rBV	258386	205056	49.93%	9.346%
13	7.146	924	928	931	rBV	59371	46322	11.28%	2.111%
14	7.787	1033	1037	1040	rBV	320503	261877	63.76%	11.936%
15	8.557	1164	1168	1171	rVB2	33788	29605	7.21%	1.349%
16	9.228	1278	1282	1286	rBV	348215	310990	75.72%	14.174%
17	9.840	1382	1386	1393	rVB2	11472	13850	3.37%	0.631%
18	10.263	1454	1458	1461	rBV	4929	4797	1.17%	0.219%
19	10.616	1516	1518	1523	rBV2	7250	7186	1.75%	0.328%
20	10.657	1523	1525	1529	rVB	5627	4521	1.10%	0.206%
21	10.775	1540	1545	1550	rBV	5599	5161	1.26%	0.235%
22	10.822	1550	1553	1557	rBV	84952	73027	17.78%	3.328%
23	11.263	1624	1628	1635	rVB2	5553	5936	1.45%	0.271%
24	11.463	1659	1662	1667	rVB4	3518	4169	1.02%	0.190%
25	11.745	1705	1710	1714	rBV	6295	7188	1.75%	0.328%
26	11.869	1726	1731	1732	rBV3	9676	9628	2.34%	0.439%
27	11.898	1732	1736	1740	rVB	410449	376755	91.73%	17.172%
28	12.092	1761	1769	1781	rVB4	6980	16596	4.04%	0.756%

LSC Area Percent Report

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270

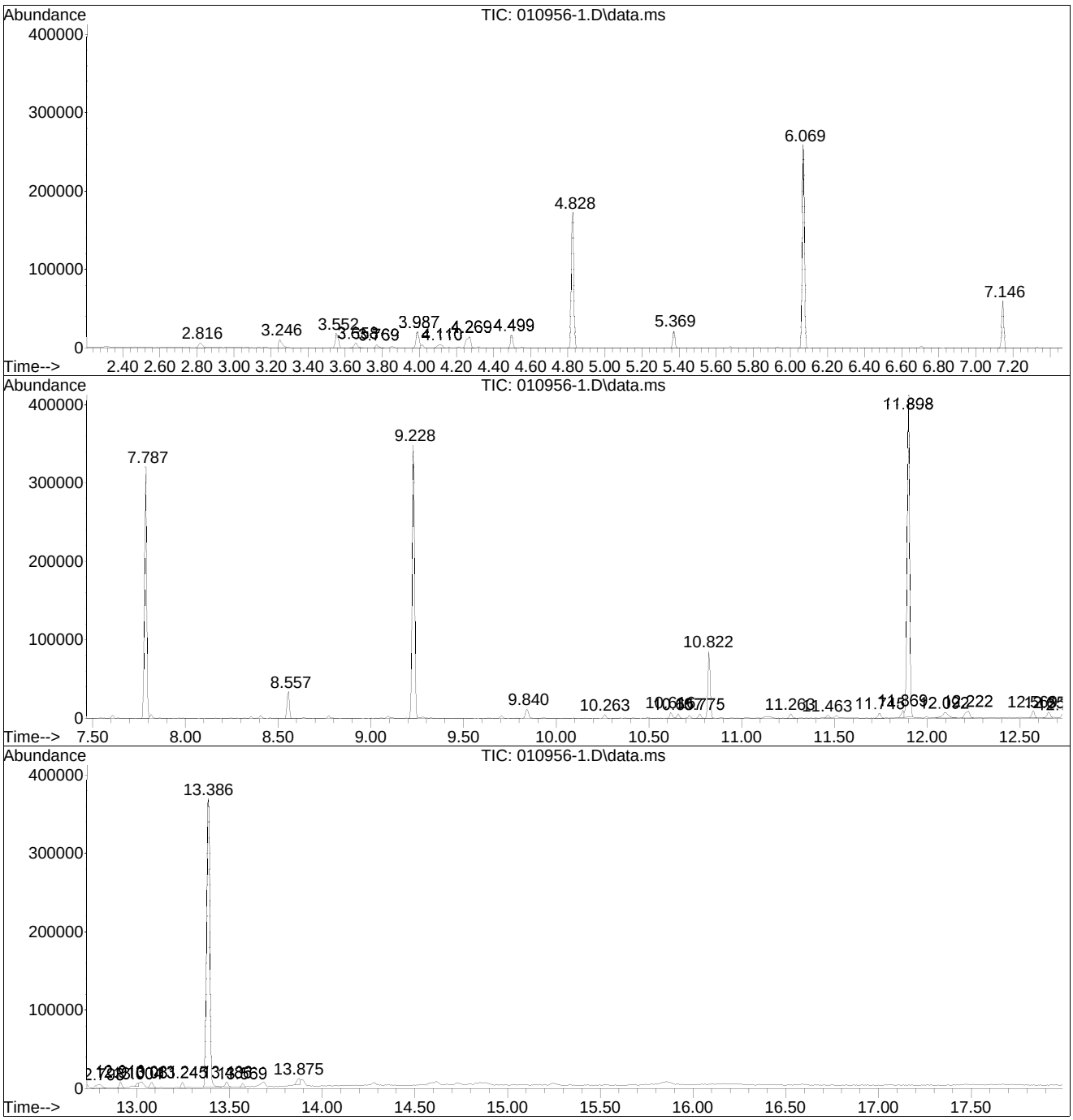
29	12.222	1785	1791	1797	rVB2	8995	15356	3.74%	0.700%
30	12.569	1847	1850	1854	rVB	8334	8531	2.08%	0.389%
31	12.657	1859	1865	1868	rBV	7113	9196	2.24%	0.419%
32	12.728	1875	1877	1880	rBV	4591	4878	1.19%	0.222%
33	12.798	1882	1889	1895	rVB6	4722	11363	2.77%	0.518%
34	12.910	1905	1908	1912	rVB	7960	7557	1.84%	0.344%
35	13.004	1921	1924	1925	rBV2	3978	4424	1.08%	0.202%
36	13.081	1934	1937	1941	rVB	6872	7677	1.87%	0.350%
37	13.245	1962	1965	1968	rBV2	6942	6653	1.62%	0.303%
38	13.386	1984	1989	2001	rBV	367110	410702	100.00%	18.719%
39	13.486	2003	2006	2011	rVB2	5916	6455	1.57%	0.294%
40	13.569	2017	2020	2023	rBV2	4779	4536	1.10%	0.207%
41	13.875	2068	2072	2073	rBV3	7909	9992	2.43%	0.455%

Sum of corrected areas: 2194011

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

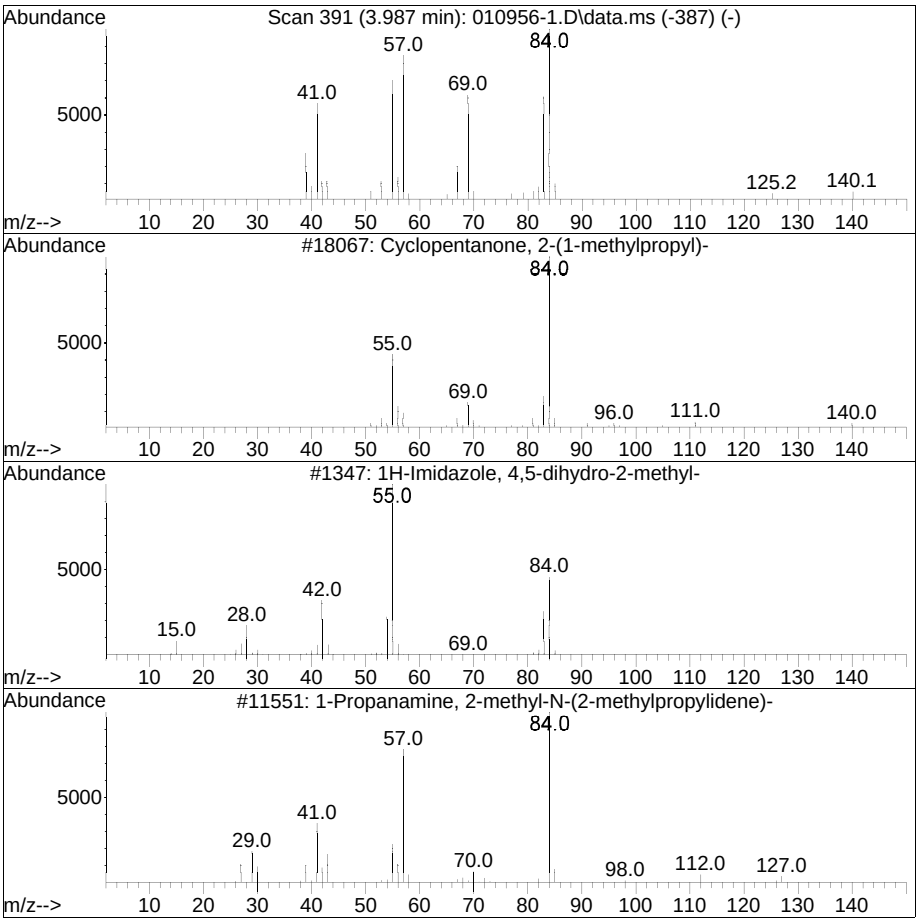
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

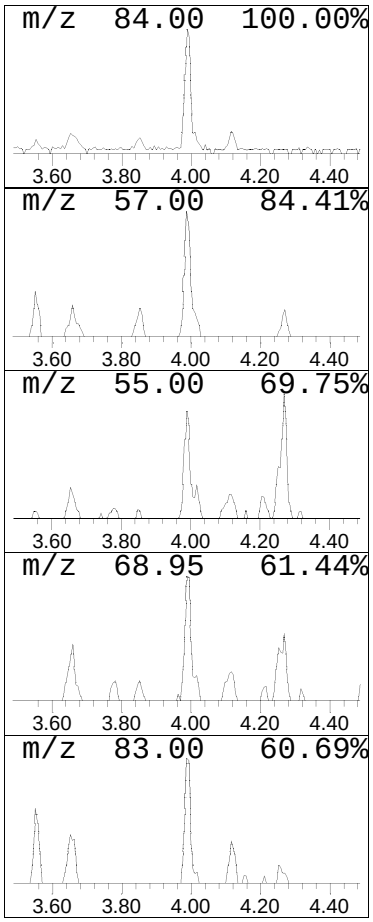
****

Peak Number 1 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.987	0.57 ug/ml	22843	IS2_1,4-Dichlorobenzene-d4	4.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	53
2	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	50
3	1-Propanamine, 2-methyl-N-(2-met...	127	C8H17N	006898-82-4	43
4	Perdeuterobenzene	84	C6D6	001076-43-3	38
5	1-Methoxy-6,6-dimethyl-cyclohex-...	140	C9H16O	073756-33-9	37





Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

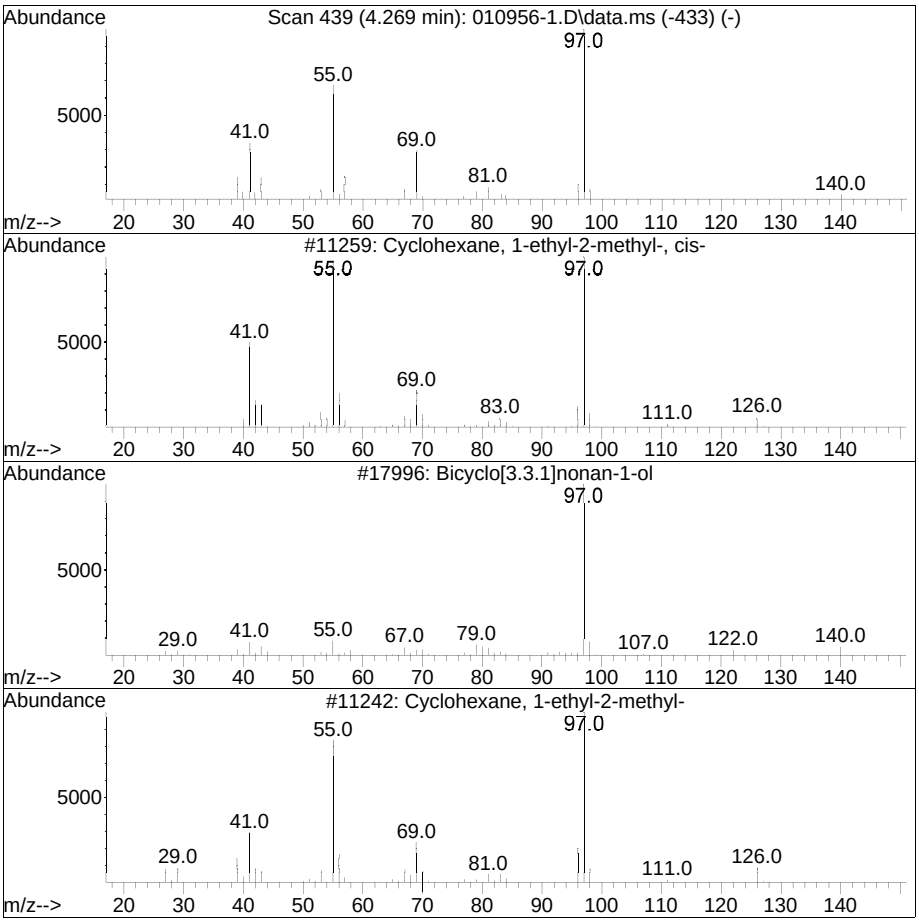
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

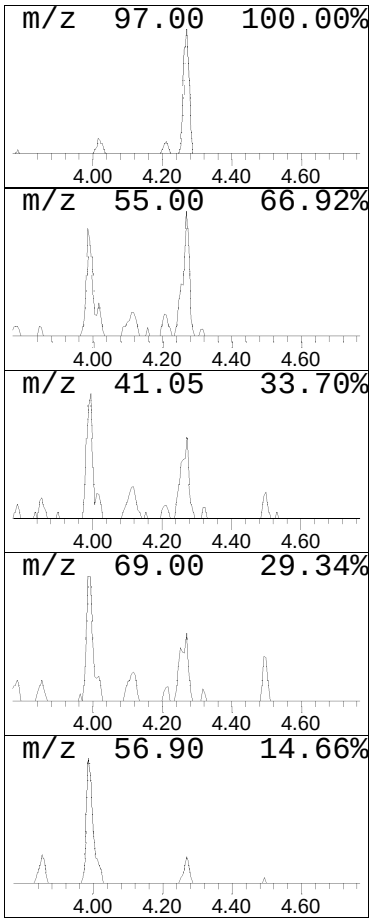
****

Peak Number 2 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.269	0.59 ug/ml	23829	IS2_1,4-Dichlorobenzene-d4	4.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	56
2	Bicyclo[3.3.1]nonan-1-ol	140	C9H16O	015158-56-2	53
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	50
4	1H-Pyrrole-2,5-dione	97	C4H3NO2	000541-59-3	50
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	50





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\SV112\241219RVT\
Data File : 010956-1.D
Acq On : 19 Dec 2024 04:13 pm
Operator : SV112:smz
Sample : WG2011033-1,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 10 Sample Multiplier: 1

Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	3.987	0.6	ug/ml	22843	1	4.828	160503	4.0
Unknown	4.269	0.6	ug/ml	23829	1	4.828	160503	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-2.D
Acq On : 17 Dec 2024 10:53 pm
Operator : Dakota:smz
Sample : WG2010029-2,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 12:28:18 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.636	152	26616	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 99.85%				
27) IS2_1,4-Dichlorobenzen...	3.636	152	26616	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 103.27%				
32) IS3_1,4-Dichlorobenzen...	3.636	152	26616	4.000	ug/ml		0.00
Standard Area 2 = 25981			Recovery = 102.44%				
37) IS1_Naphthalene-d8	4.895	136	102572	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 96.55%				
57) IS2_Naphthalene-d8	4.895	136	102572	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 103.59%				
65) IS1_Acenaphthene-d10	6.574	164	67199	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 93.74%				
85) IS2_Acenaphthene-d10	6.574	164	67199	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 103.85%				
88) IS3_Acenaphthene-d10	6.574	164	67199	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 102.76%				
90) IS1_Phenanthrene-d10	7.966	188	148533	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 95.27%				
102) IS3_Phenanthrene-d10	7.966	188	148533	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 100.69%				
106) IS1_Chrysene-d12	10.471	240	165624	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 94.64%				
115) IS1_Perylene-d12	11.820	264	196985	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 96.00%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.225	112	8131	1.188	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.40%				
7) Phenol-d6	3.366	99	7419	0.847	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.35%				
19) Nitrobenzene-d5	4.211	82	6575	0.827	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.70%				
48) 2-Fluorobiphenyl	5.980	172	16979	0.669	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.90%				
81) 2,4,6-Tribromophenol	7.326	330	8686	1.808	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 90.40%				

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-2.D
Acq On : 17 Dec 2024 10:53 pm
Operator : Dakota:smz
Sample : WG2010029-2,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 12:28:18 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	9.536	244	32640	0.759	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 75.90%

Target Compounds						Qvalue
6) 2-Chlorophenol	3.425	128	12583	1.544	ug/ml#	89
8) Phenol	3.382	94	7995	0.846	ug/ml	97
9) Bis(2-chloroethyl)ether	3.425	93	10802	1.596	ug/ml#	69
10) 1,3-Dichlorobenzene	3.574	146	10491M3	1.000	ug/ml	
11) 1,4-Dichlorobenzene	3.652	146	11182	1.044	ug/ml	96
12) 1,2-Dichlorobenzene	3.804	146	10732	1.051	ug/ml	93
13) Benzyl alcohol	3.832	79	9296	1.502	ug/ml	99
14) Bis(2-chloroisopropyl)...	3.985	45	19516	1.635	ug/ml#	67
15) 2-Methylphenol	3.994	108	10470	1.458	ug/ml	98
16) Hexachloroethane	4.134	117	3541	0.903	ug/ml#	56
17) n-Nitrosodi-n-propylamine	4.115	70	9222	1.607	ug/ml#	85
18) 3-Methylphenol/4-Methy...	4.162	108	11563	1.470	ug/ml#	54
20) Nitrobenzene	4.230	77	12925	1.589	ug/ml	93
21) Isophorone	4.485	82	23788	1.591	ug/ml#	93
22) 2-Nitrophenol	4.550	139	6045	1.468	ug/ml	90
23) 2,4-Dimethylphenol	4.671	107	7899	1.079	ug/ml	99
24) Bis(2-chloroethoxy)met...	4.752	93	15458	1.660	ug/ml#	94
25) 2,4-Dichlorophenol	4.799	162	13626	1.594	ug/ml#	92
26) 1,2,4-Trichlorobenzene	4.861	180	10669	1.031	ug/ml#	94
29) Acetophenone	4.075	105	18831	2.017	ug/ml#	82
38) Naphthalene	4.914	128	33401	1.184	ug/ml	99
39) Benzoic Acid	4.743	105	1023	0.175	ug/ml	90
40) 4-Chloroaniline	5.016	65	4355	1.405	ug/ml	82
41) Hexachlorobutadiene	5.085	225	5481	0.827	ug/ml	99
42) p-Chloro-m-cresol	5.545	107	12272	1.651	ug/ml#	90
43) 2-Methylnaphthalene	5.595	142	23659	1.212	ug/ml	95
45) Hexachlorocyclopentadiene	5.775	237	3336	0.478	ug/ml#	94
46) 2,4,6-Trichlorophenol	5.899	196	11334	1.542	ug/ml	98
47) 2,4,5-Trichlorophenol	5.927	196	13581	1.653	ug/ml	98
49) 2-Chloronaphthalene	6.048	162	27348	1.251	ug/ml	97
50) 2-Nitroaniline	6.182	138	9136	1.633	ug/ml#	80
53) Dimethyl phthalate	6.403	163	40901	1.610	ug/ml#	98
54) Acenaphthylene	6.434	152	45394	1.414	ug/ml	99

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-2.D
Acq On : 17 Dec 2024 10:53 pm
Operator : Dakota:smz
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Misc : WG2009957,WG2010029,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 12:28:18 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 2,6-Dinitrotoluene	6.434	165	7470	1.575	ug/ml	88
63) 1,2,4,5-Tetrachloroben...	5.765	216	13538	1.278	ug/ml#	97
64) Biphenyl	6.061	154	33767	1.565	ug/ml	96
66) 3-Nitroaniline	6.577	138	8413	1.621	ug/ml#	84
67) Acenaphthene	6.605	154	26673	1.365	ug/ml	87
68) 2,4-Dinitrophenol	6.679	184	3582	1.134	ug/ml	89
69) Dibenzofuran	6.772	168	49533	1.470	ug/ml	90
70) 2,4-Dinitrotoluene	6.810	165	10889	1.674	ug/ml	85
71) 4-Nitrophenol	6.807	65	4765	1.232	ug/ml	95
74) Diethyl phthalate	7.086	149	42863	1.620	ug/ml	97
75) Fluorene	7.096	166	38615	1.496	ug/ml	89
76) 4-Chlorophenyl phenyl ...	7.139	204	18315	1.377	ug/ml	89
77) 4-Nitroaniline	7.149	138	8682	1.731	ug/ml	83
78) 4,6-Dinitro-o-cresol	7.189	198	6139	1.561	ug/ml#	60
79) NDPA/DPA	7.257	169	33144	1.476	ug/ml	92
82) 4-Bromophenyl phenyl e...	7.590	248	13571	1.549	ug/ml#	78
83) Hexachlorobenzene	7.621	284	17234	1.563	ug/ml#	80
84) Pentachlorophenol	7.823	266	10030	1.678	ug/ml	99
91) Phenanthrene	7.988	178	68085	1.550	ug/ml	98
92) Anthracene	8.034	178	67359	1.564	ug/ml	98
93) Carbazole	8.221	167	63758	1.613	ug/ml	98
94) Di-n-butylphthalate	8.656	149	75056	1.675	ug/ml	98
95) Fluoranthene	9.110	202	83984	1.590	ug/ml#	93
97) Pyrene	9.309	202	90230	1.599	ug/ml	99
99) Butyl benzyl phthalate	10.061	149	34650	1.805	ug/ml#	82
107) Benzo(a)anthracene	10.465	228	86554	1.542	ug/ml	99
108) 3,3'-Dichlorobenzidine	10.496	252	38062	1.821	ug/ml#	97
109) Chrysene	10.493	228	87827	1.572	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	10.673	149	54480	1.811	ug/ml#	88
111) Di-n-octylphthalate	11.304	149	85653	1.707	ug/ml#	74
112) Benzo(b)fluoranthene	11.478	252	92903	1.580	ug/ml#	95
113) Benzo(k)fluoranthene	11.506	252	93511M3	1.633	ug/ml	
114) Benzo(a)pyrene	11.764	252	85359M3	1.627	ug/ml	
116) Indeno(1,2,3-cd)pyrene	12.724	276	92468	1.521	ug/mL#	91
117) Dibenzo(a,h)anthracene	12.759	278	88456	1.481	ug/ml#	90
118) Benzo(ghi)perylene	12.923	276	89527	1.525	ug/ml#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-2.D
Acq On : 17 Dec 2024 10:53 pm
Operator : Dakota:smz
Sample : WG2010029-2,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 12:28:18 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
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: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-2.D
Acq On : 17 Dec 2024 10:53 pm
Operator : Dakota:smz
Sample : WG2010029-2,32,,ASK
Misc : WG2009957,WG2010029,ical21680
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Quant Time: Dec 18 12:28:18 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
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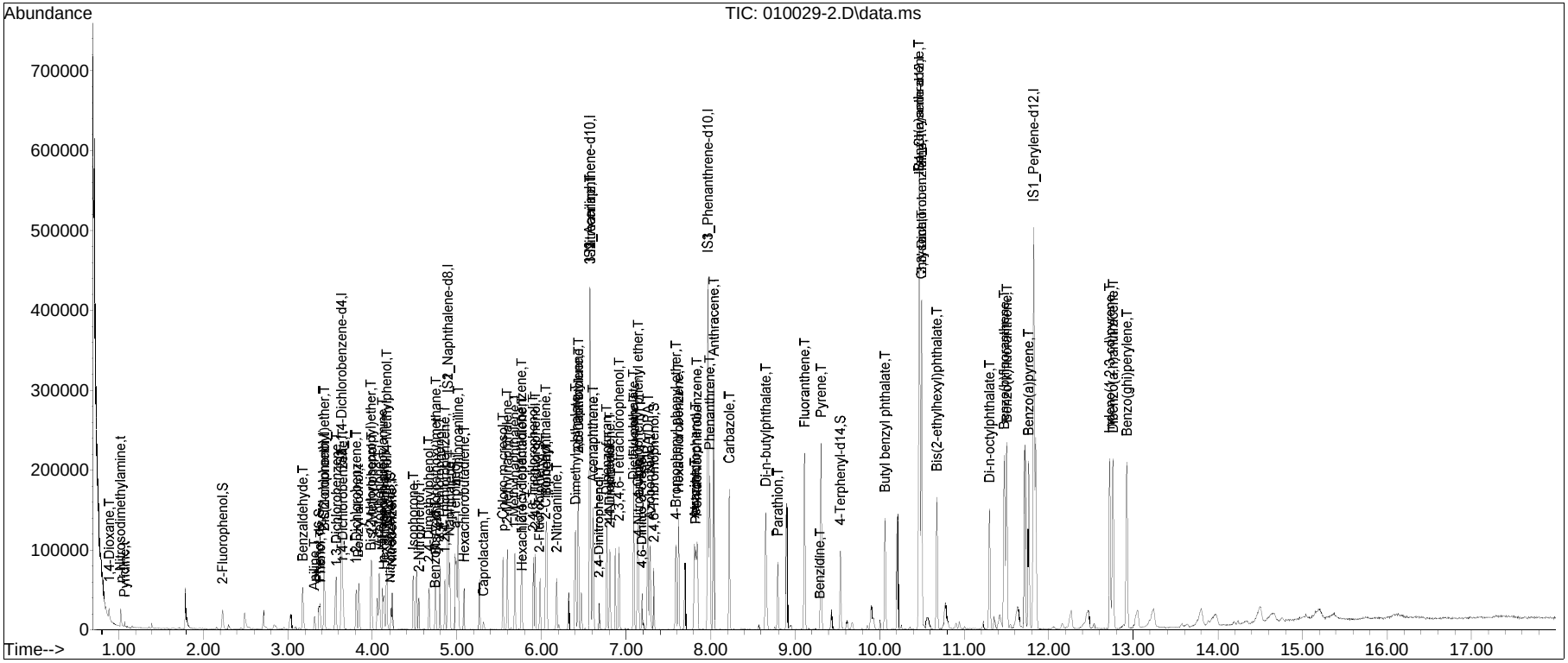
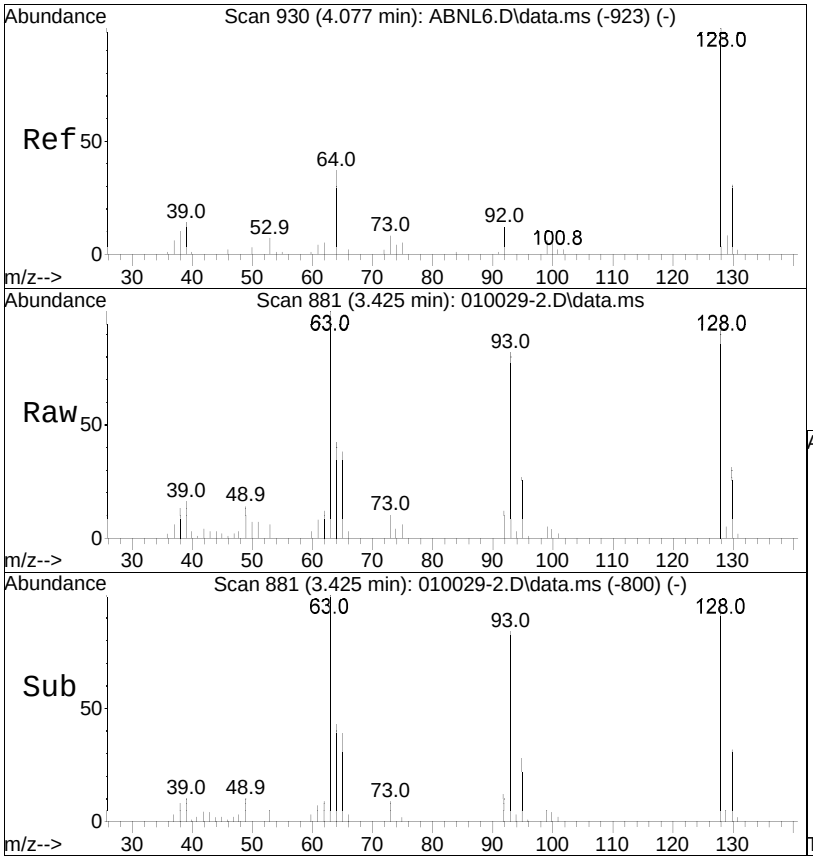
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA7RVT\AP91217.D•

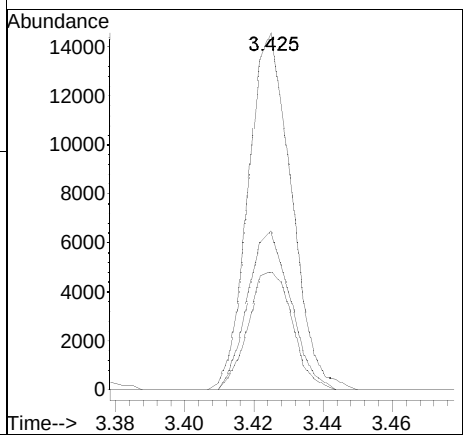


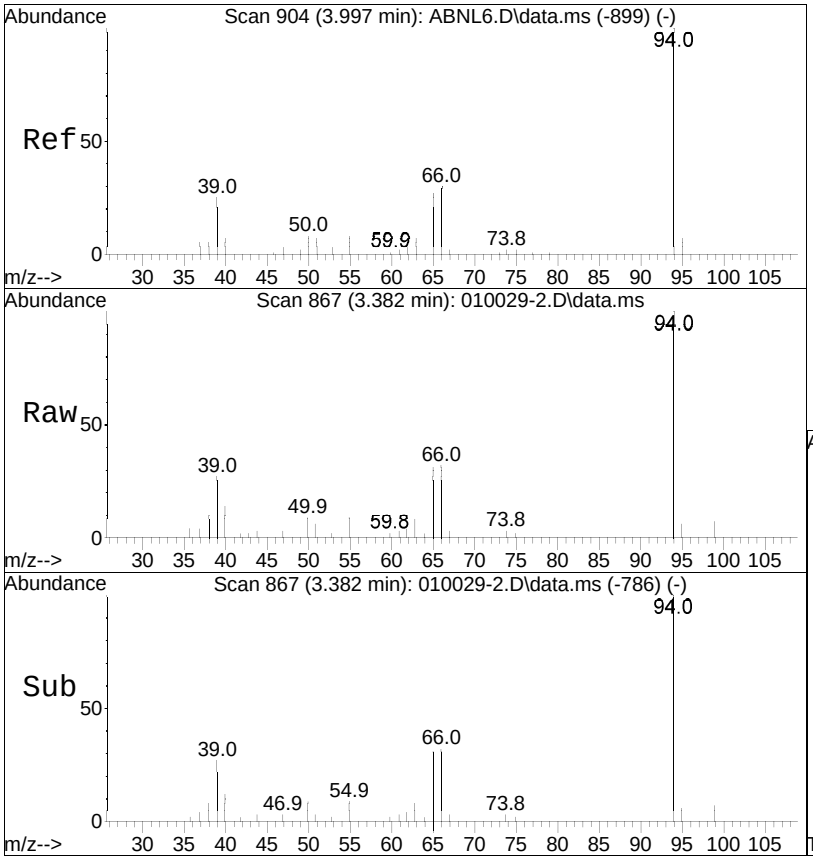


#6
2-Chlorophenol
Concen: 1.54 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:128 Resp: 12583

Ion	Ratio	Lower	Upper
128	100		
64	44.4	45.1	67.7#
130	33.8	26.2	39.4

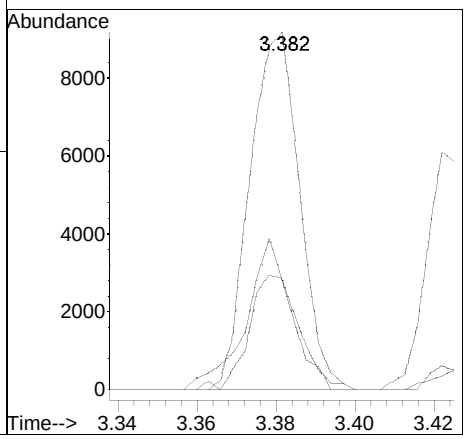


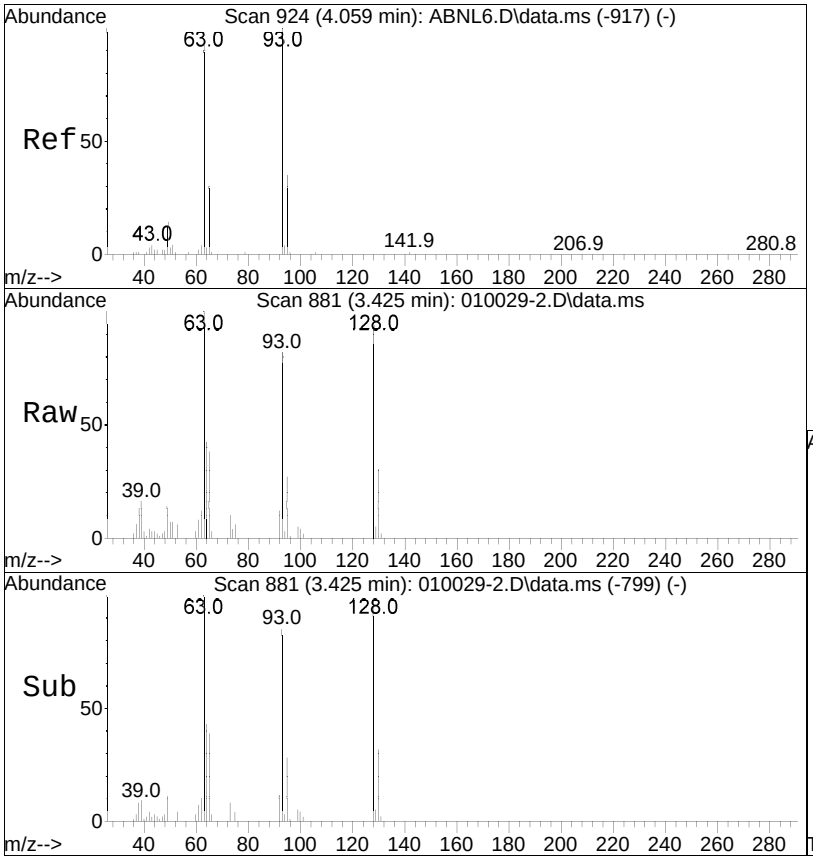


#8
Phenol
Concen: 0.85 ug/ml
RT: 3.382 min Scan# 867
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 94 Resp: 7995

Ion	Ratio	Lower	Upper
94	100		
65	30.7	26.0	39.0
66	40.1	33.8	50.8

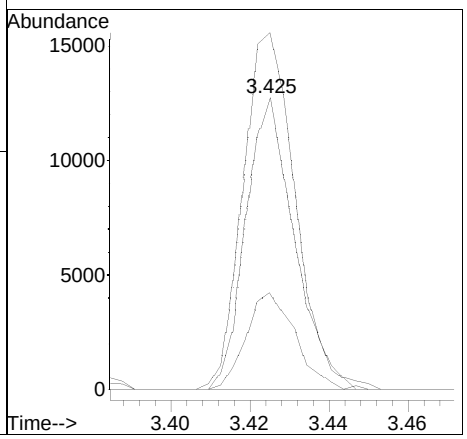


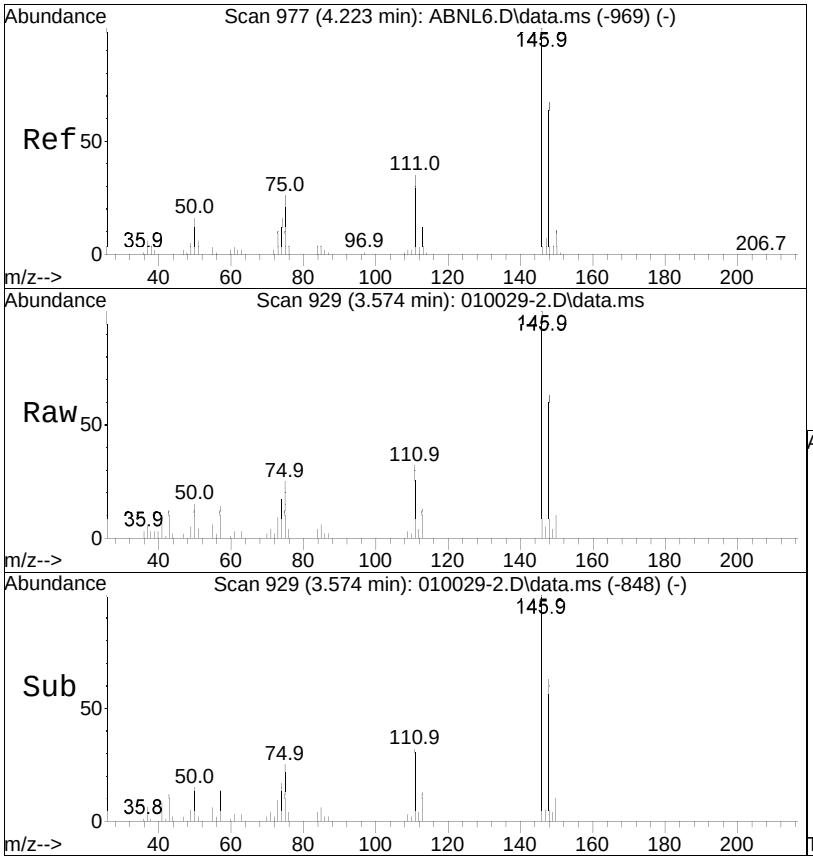


#9
Bis(2-chloroethyl)ether
Concen: 1.60 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 93 Resp: 10802

Ion	Ratio	Lower	Upper
93	100		
63	132.5	74.6	111.8#
95	34.0	25.9	38.9

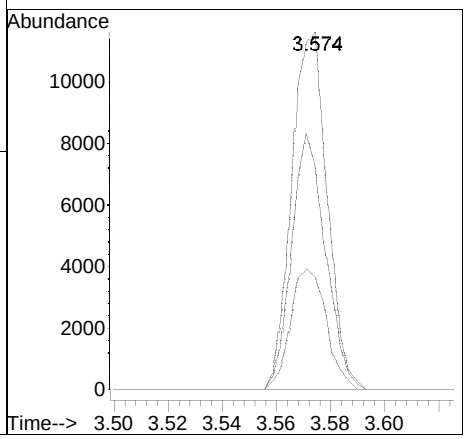


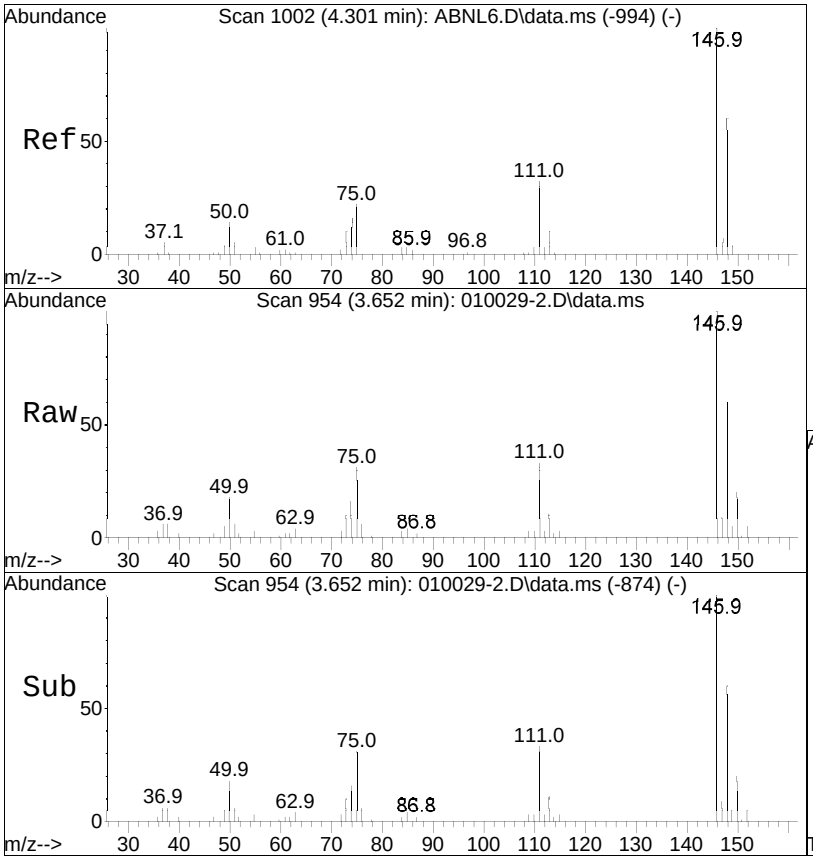


#10
1,3-Dichlorobenzene
Concen: 1.00 ug/ml M3
RT: 3.574 min Scan# 929
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:146 Resp: 10491

Ion	Ratio	Lower	Upper
146	100		
111	39.6	34.3	51.5
148	69.1	50.8	76.2

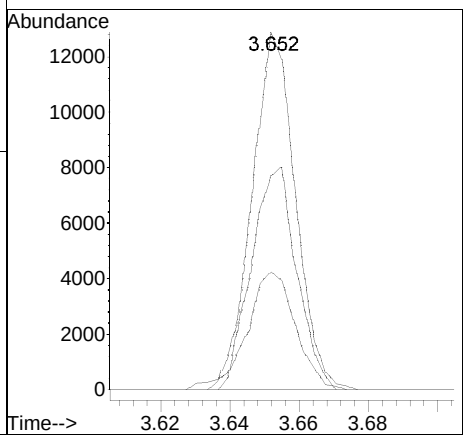


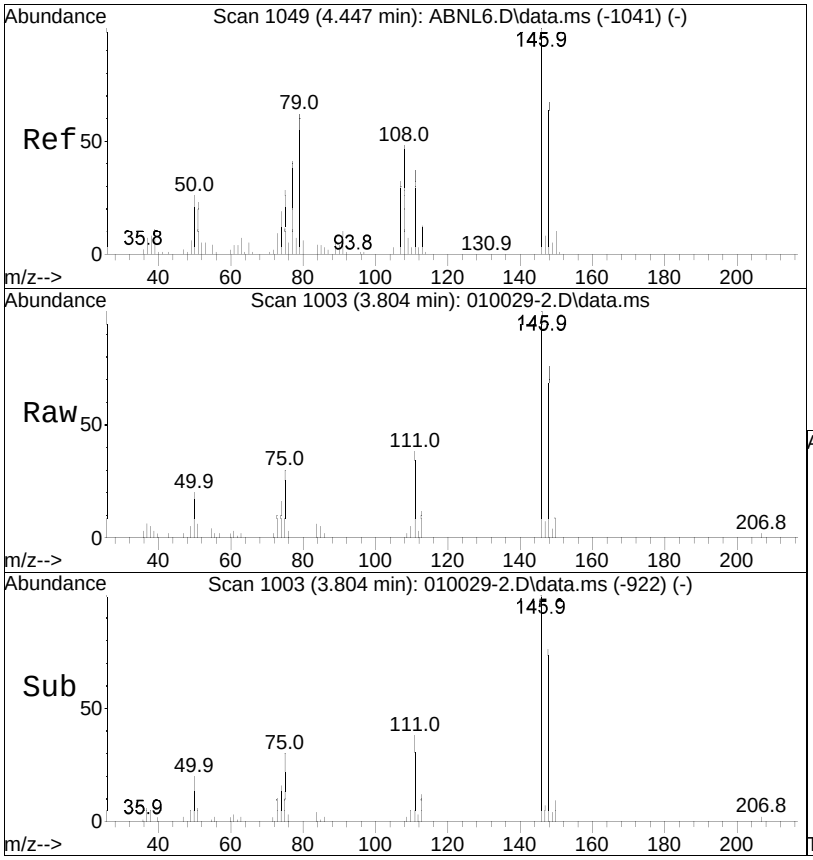


#11
1,4-Dichlorobenzene
Concen: 1.04 ug/ml
RT: 3.652 min Scan# 954
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:146 Resp: 11182

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.7	76.1
111	37.2	33.4	50.0

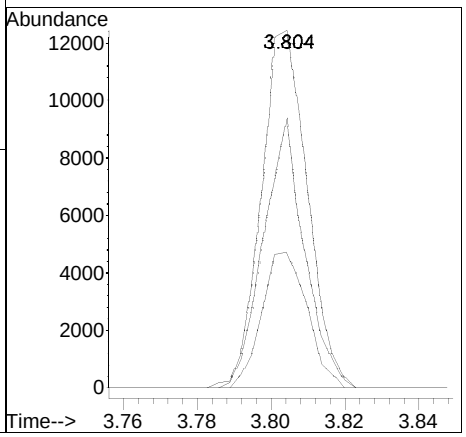


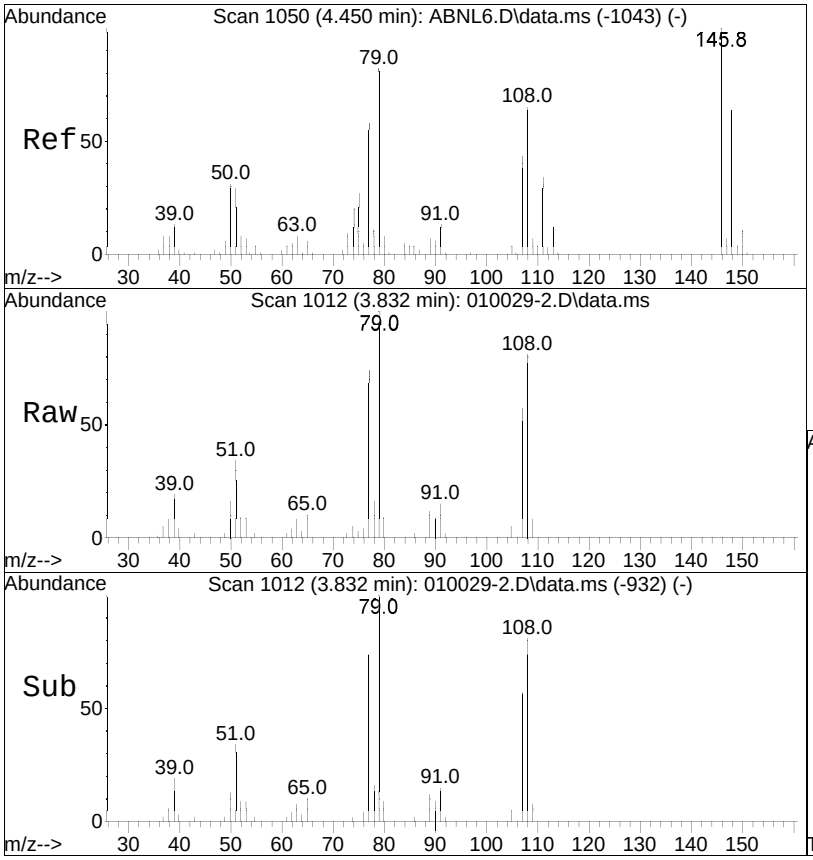


#12
1,2-Dichlorobenzene
Concen: 1.05 ug/ml
RT: 3.804 min Scan# 1003
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:146 Resp: 10732

Ion	Ratio	Lower	Upper
146	100		
111	37.5	34.6	52.0
148	67.3	50.2	75.4

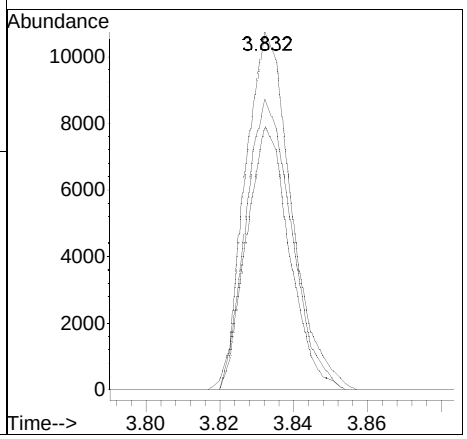


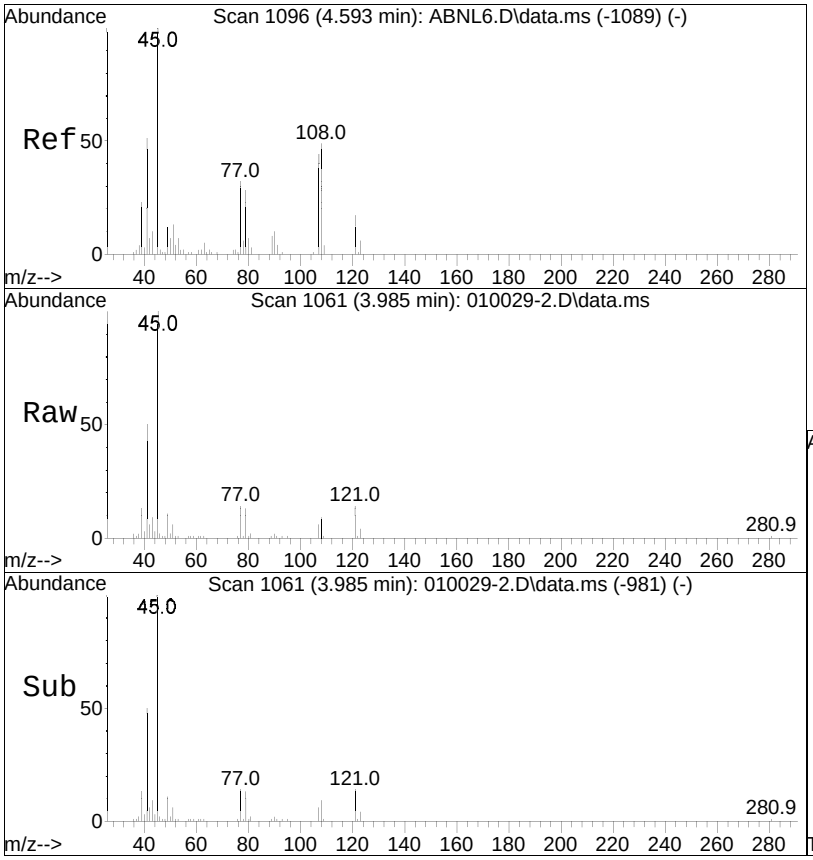


#13
Benzyl alcohol
Concen: 1.50 ug/ml
RT: 3.832 min Scan# 1012
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 79 Resp: 9296

Ion	Ratio	Lower	Upper
79	100		
77	68.5	54.9	82.3
108	80.1	63.1	94.7

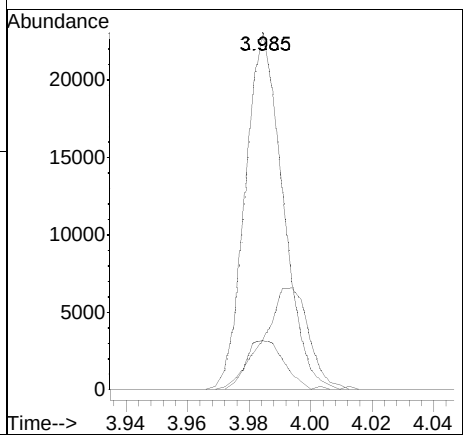


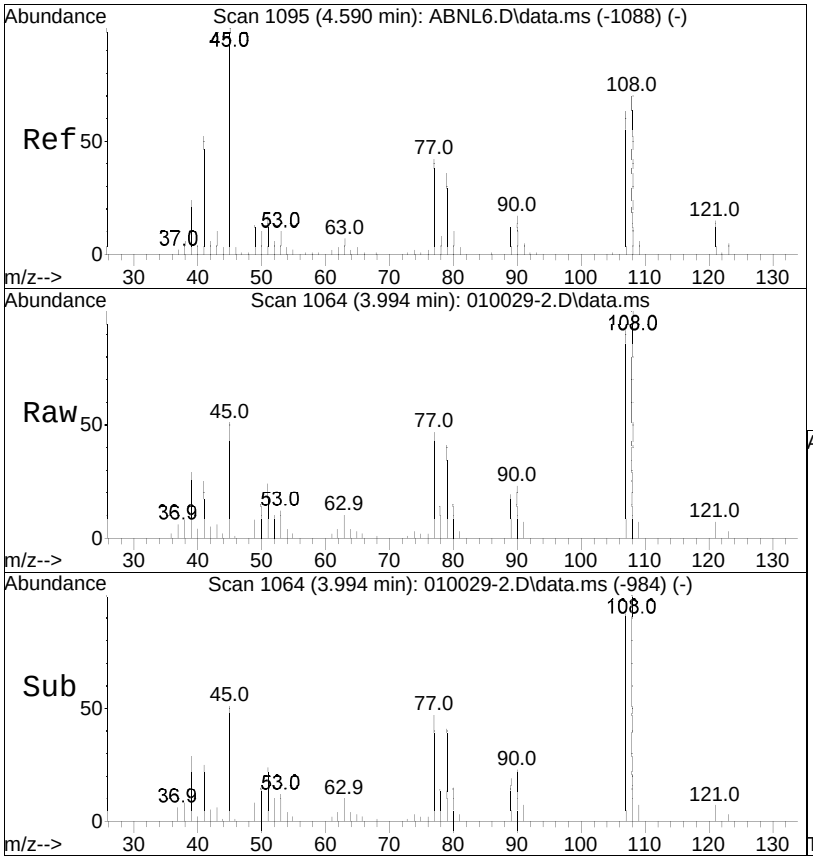


#14
Bis(2-chloroisopropyl)ether
Concen: 1.63 ug/ml
RT: 3.985 min Scan# 1061
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 45 Resp: 19516

Ion	Ratio	Lower	Upper
45	100		
121	14.1	9.8	14.6
77	34.5	6.1	9.1#

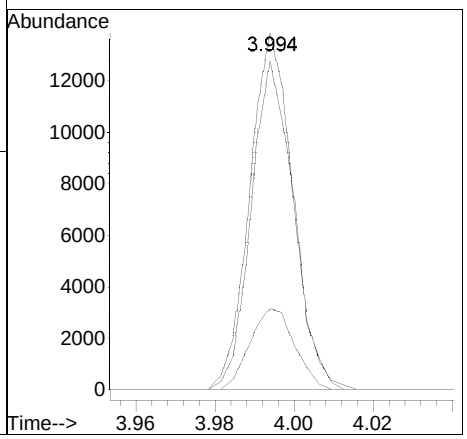


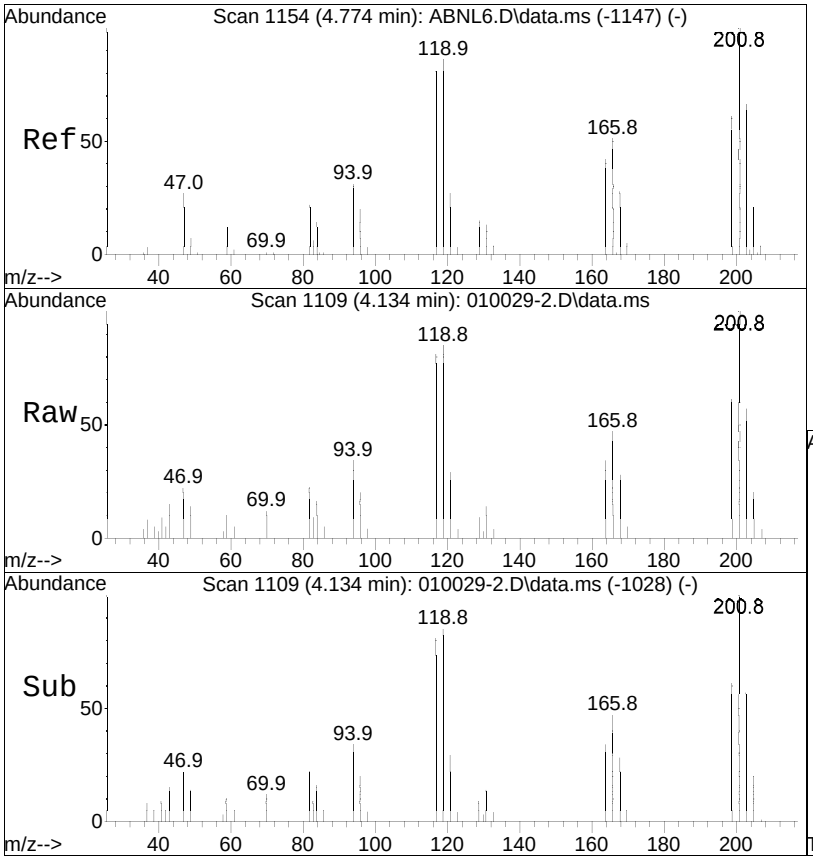


#15
2-Methylphenol
Concen: 1.46 ug/ml
RT: 3.994 min Scan# 1064
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:108 Resp: 10470

Ion	Ratio	Lower	Upper
108	100		
107	90.2	70.7	106.1
90	23.4	18.7	28.1

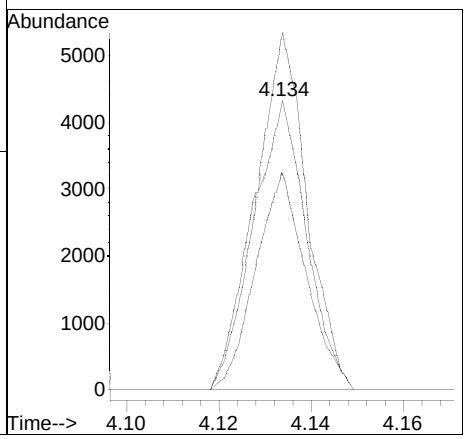


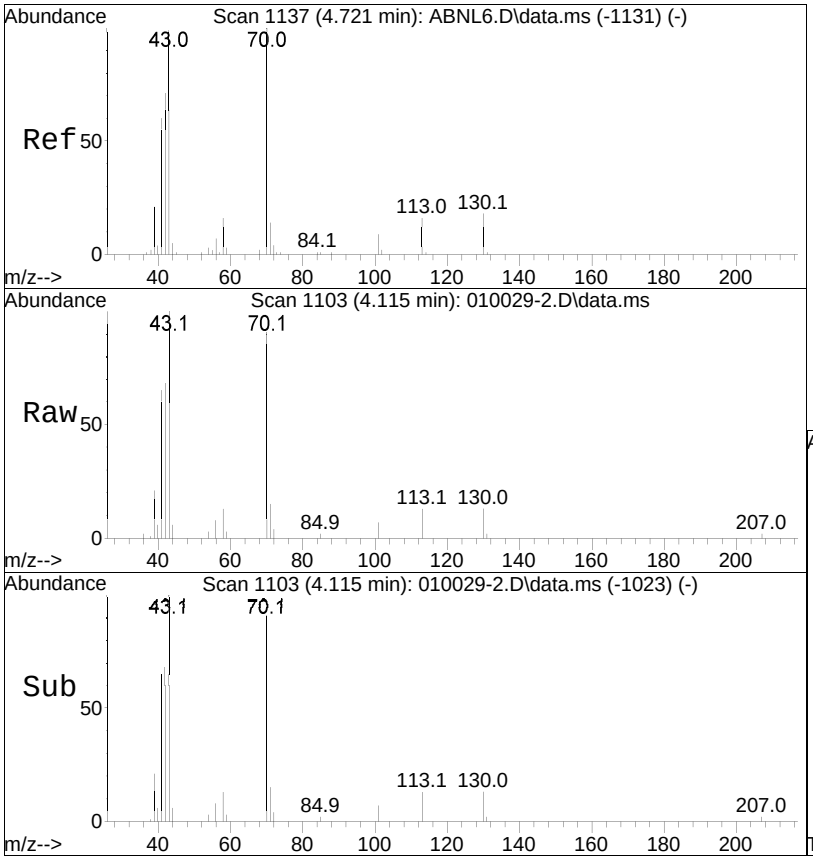


#16
Hexachloroethane
Concen: 0.90 ug/ml
RT: 4.134 min Scan# 1109
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:117 Resp: 3541

Ion	Ratio	Lower	Upper
117	100		
201	114.6	58.6	87.8#
199	69.6	36.9	55.3#

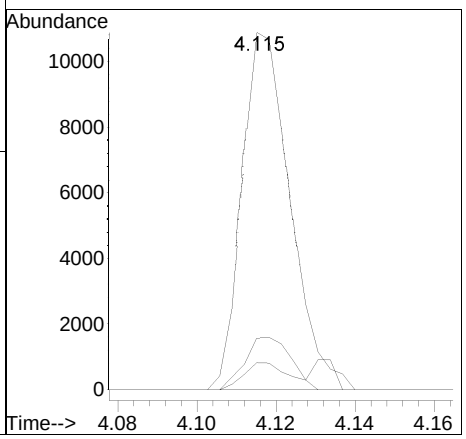


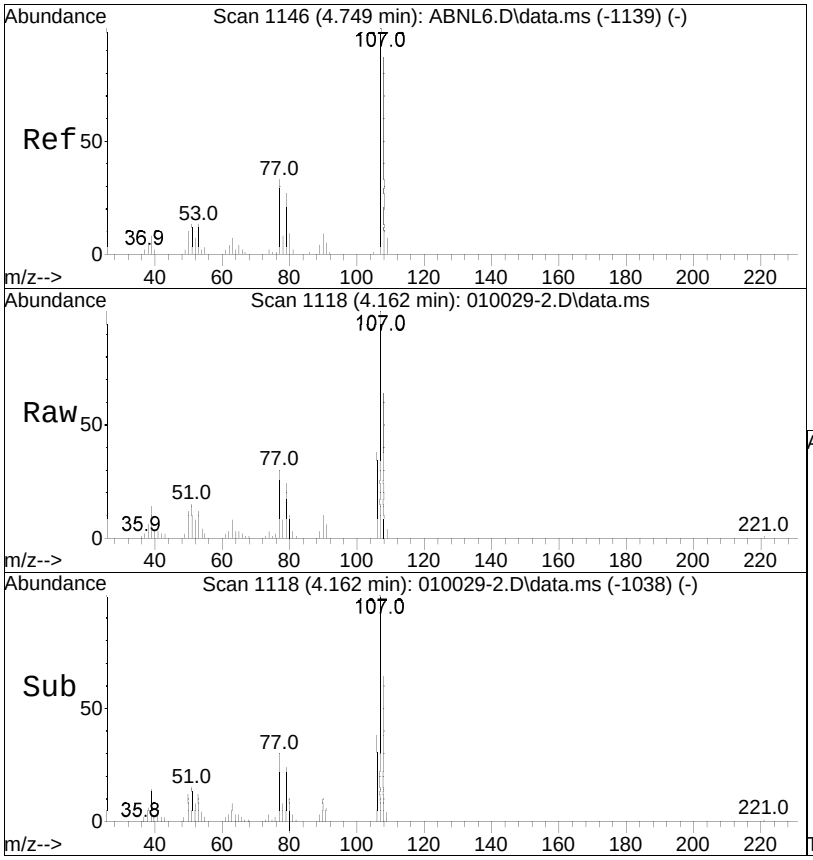


#17
n-Nitrosodi-n-propylamine
Concen: 1.61 ug/ml
RT: 4.115 min Scan# 1103
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 70 Resp: 9222

Ion	Ratio	Lower	Upper
70	100		
130	13.9	18.2	27.4#
101	7.0	7.8	11.8#

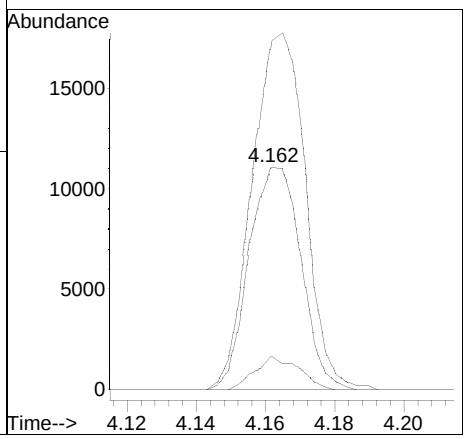


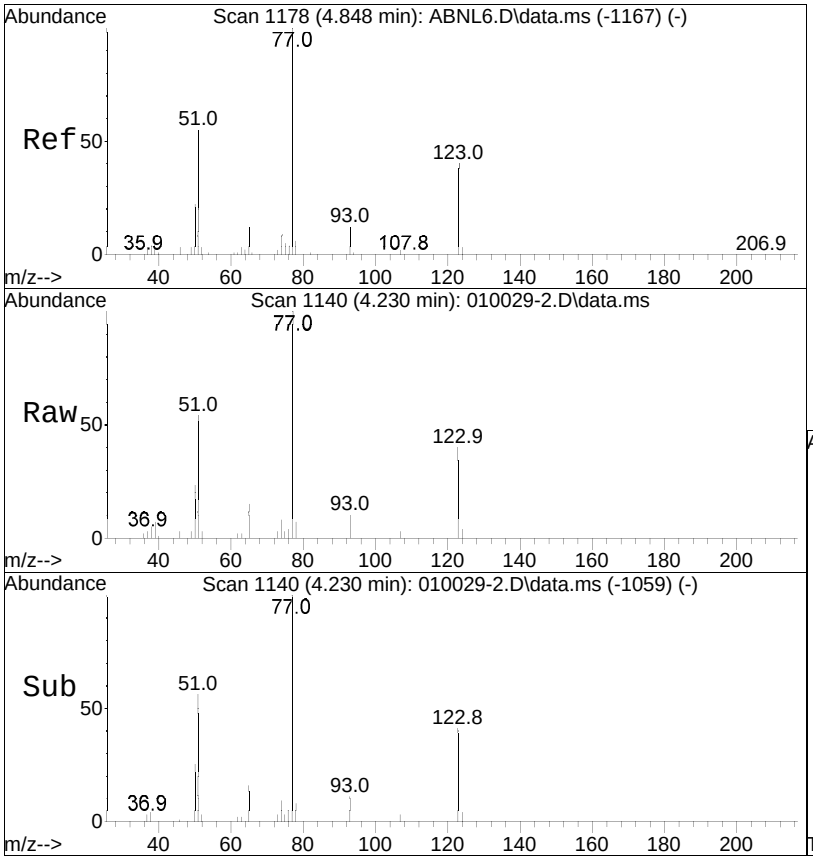


#18
3-Methylphenol/4-Methylphenol
Concen: 1.47 ug/ml
RT: 4.162 min Scan# 1118
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:108 Resp: 11563

Ion	Ratio	Lower	Upper
108	100		
107	163.9	88.6	132.8#
90	12.8	8.8	13.2

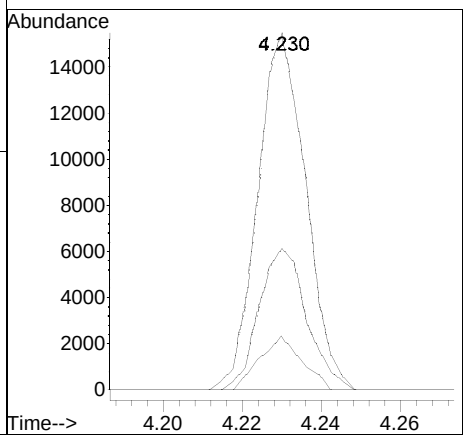


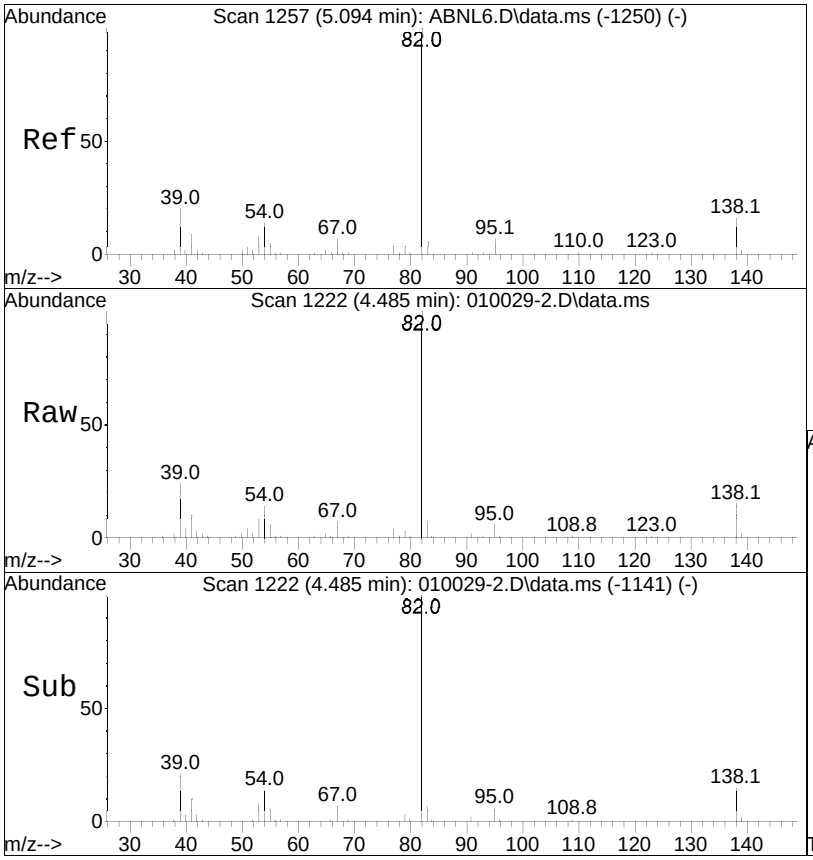


#20
Nitrobenzene
Concen: 1.59 ug/ml
RT: 4.230 min Scan# 1140
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 77 Resp: 12925

Ion	Ratio	Lower	Upper
77	100		
123	39.5	36.3	54.5
65	13.4	11.6	17.4

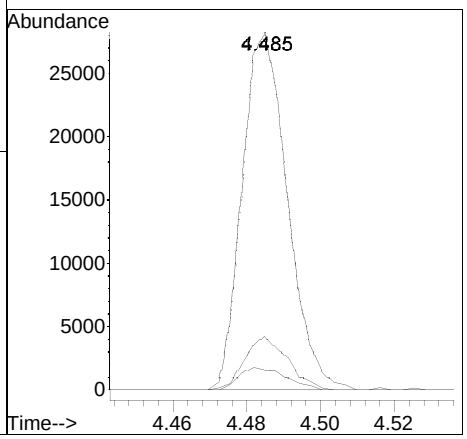


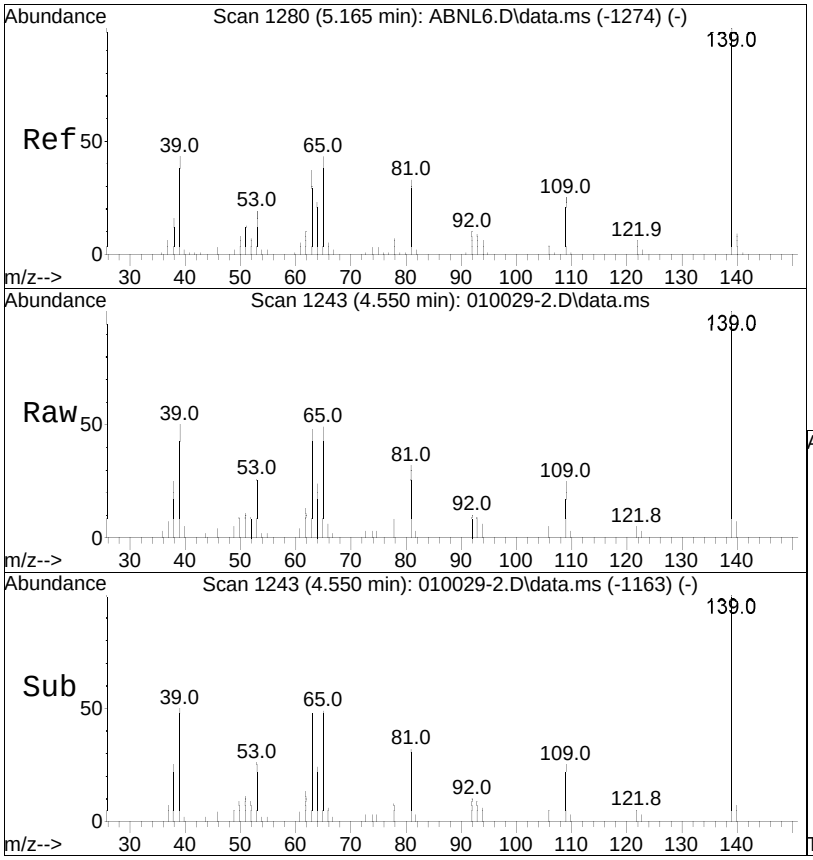


#21
Isophorone
Concen: 1.59 ug/ml
RT: 4.485 min Scan# 1222
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 82 Resp: 23788

Ion	Ratio	Lower	Upper
82	100		
138	14.3	14.7	22.1#
95	6.6	5.2	7.8

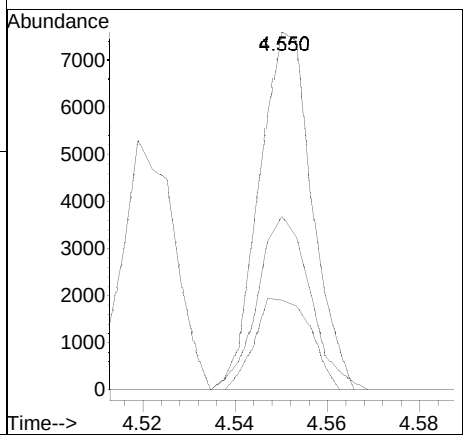


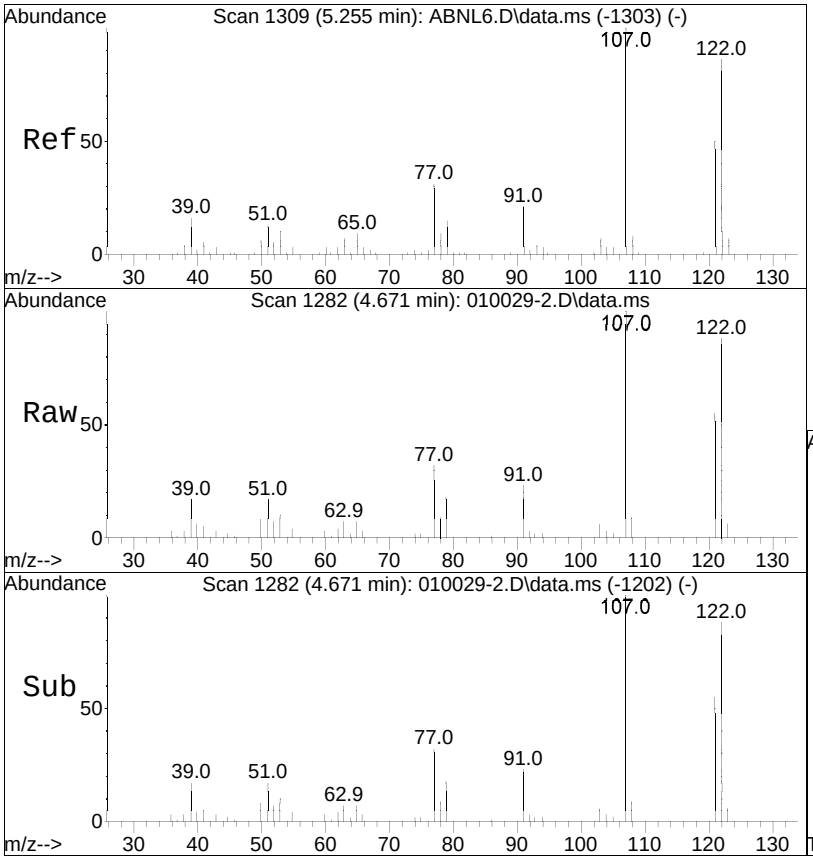


#22
2-Nitrophenol
Concen: 1.47 ug/ml
RT: 4.550 min Scan# 1243
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:139 Resp: 6045

Ion	Ratio	Lower	Upper
139	100		
109	26.9	19.4	29.0
65	48.5	46.1	69.1

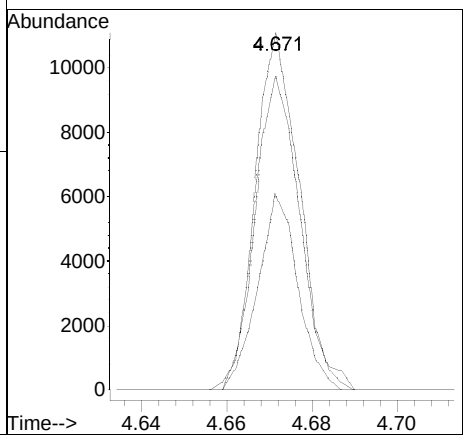


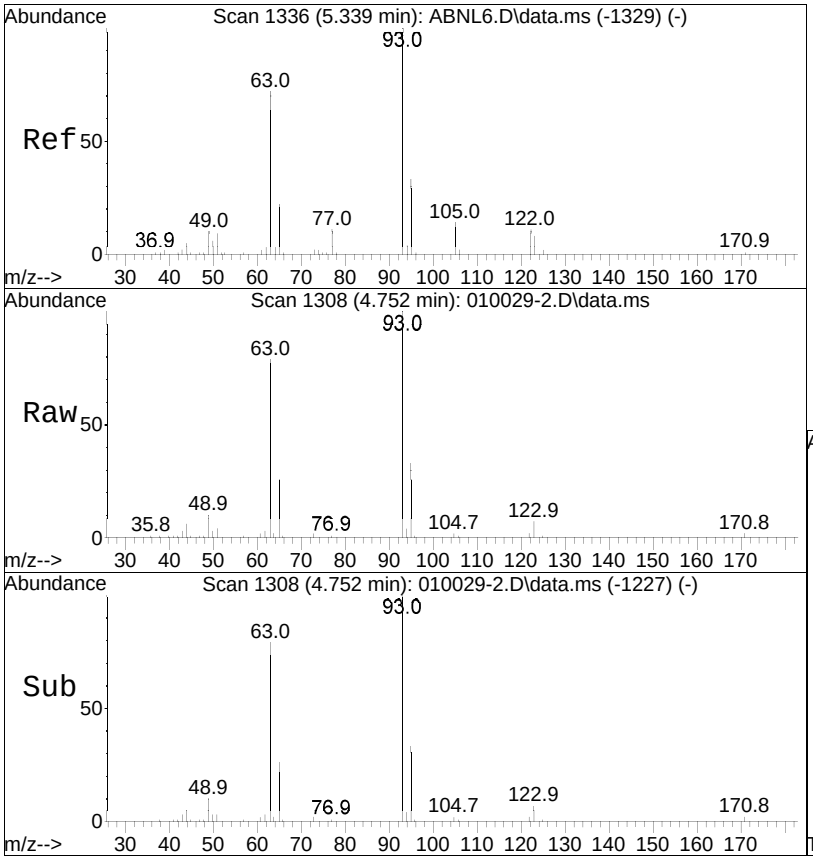


#23
2,4-Dimethylphenol
Concen: 1.08 ug/ml
RT: 4.671 min Scan# 1282
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:107 Resp: 7899

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	89.5	70.2	105.4

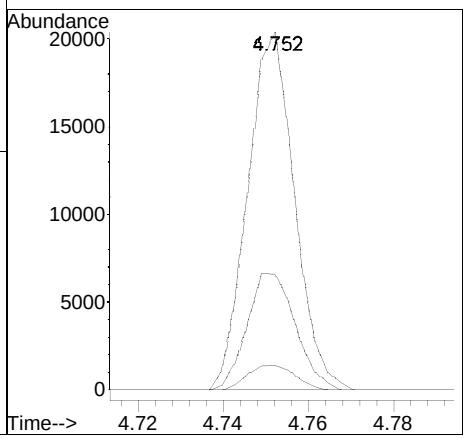


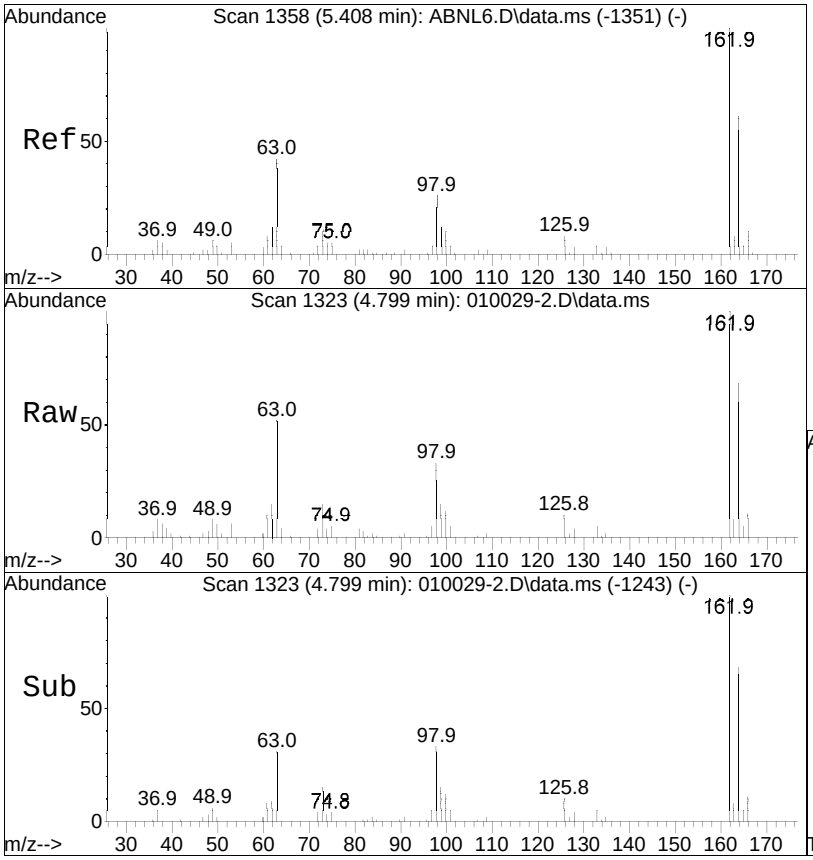


#24
Bis(2-chloroethoxy)methane
Concen: 1.66 ug/ml
RT: 4.752 min Scan# 1308
Delta R.T. 0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 93 Resp: 15458

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.8	38.8
123	7.1	10.1	15.1#

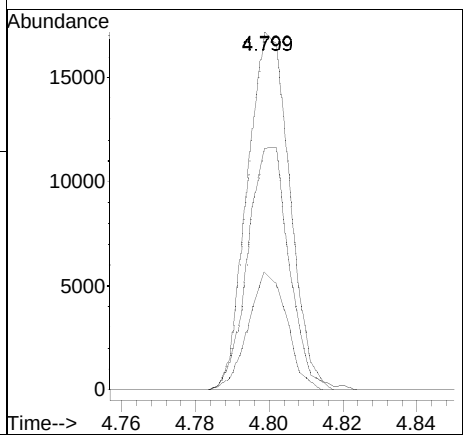


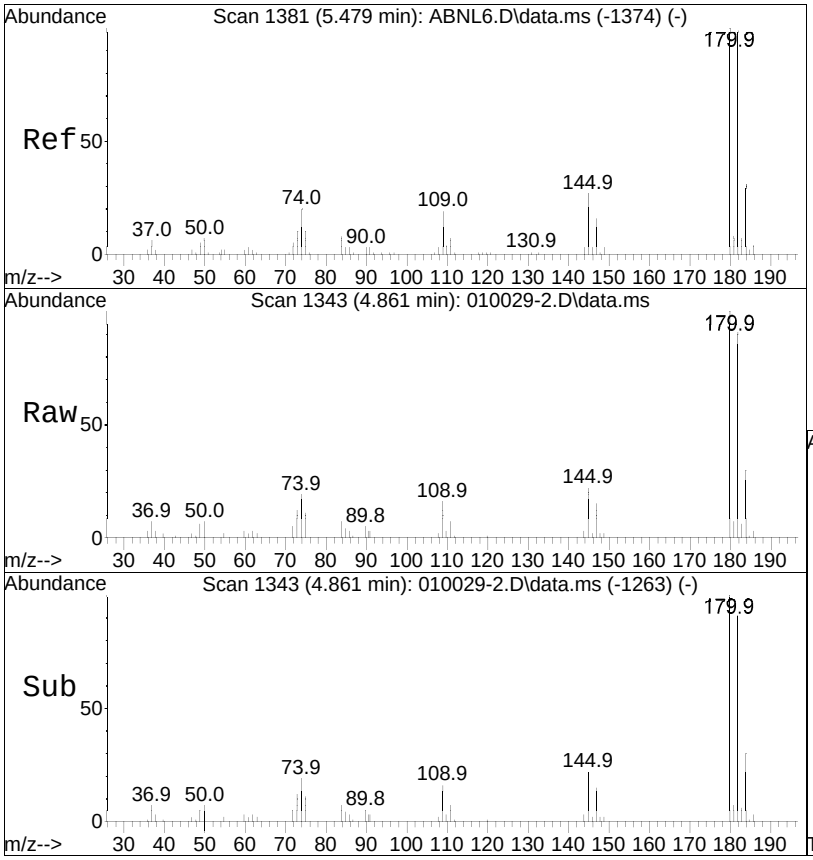


#25
2,4-Dichlorophenol
Concen: 1.59 ug/ml
RT: 4.799 min Scan# 1323
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:162 Resp: 13626

Ion	Ratio	Lower	Upper
162	100		
164	65.8	51.0	76.4
98	30.1	32.2	48.2#

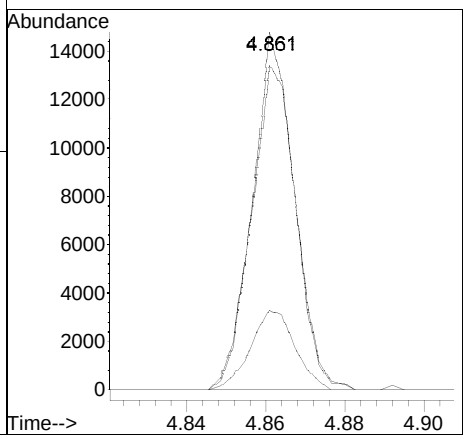


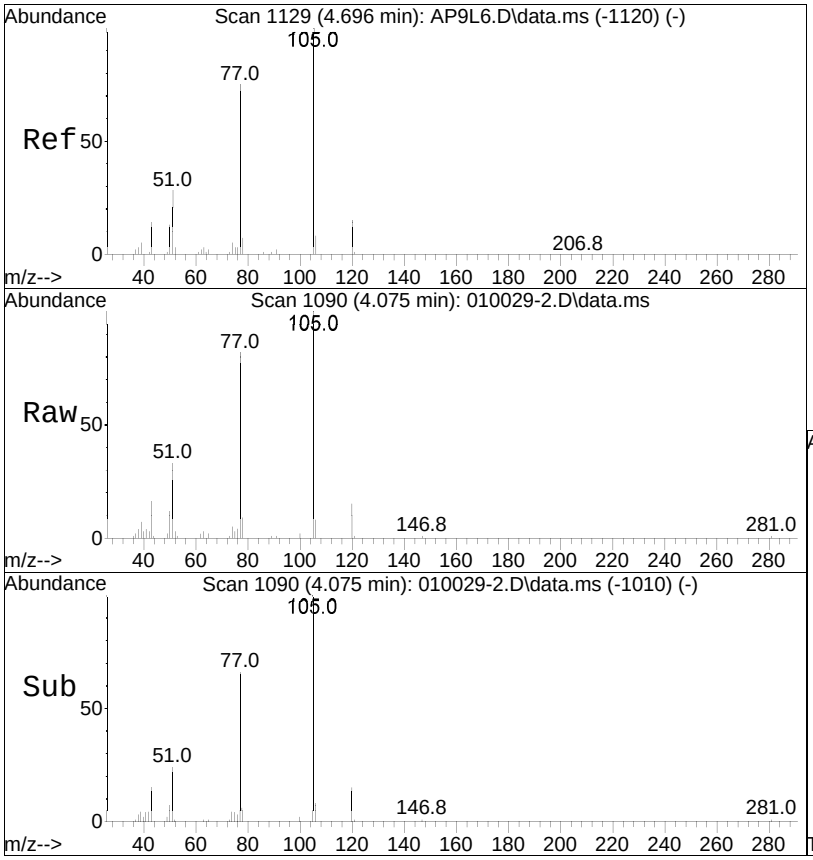


#26
1,2,4-Trichlorobenzene
Concen: 1.03 ug/ml
RT: 4.861 min Scan# 1343
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:180 Resp: 10669

Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.0	114.0
145	24.0	25.7	38.5#

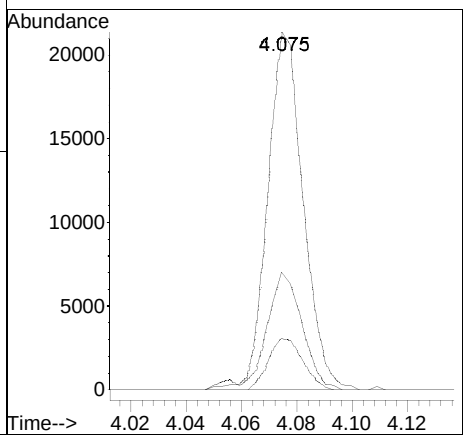


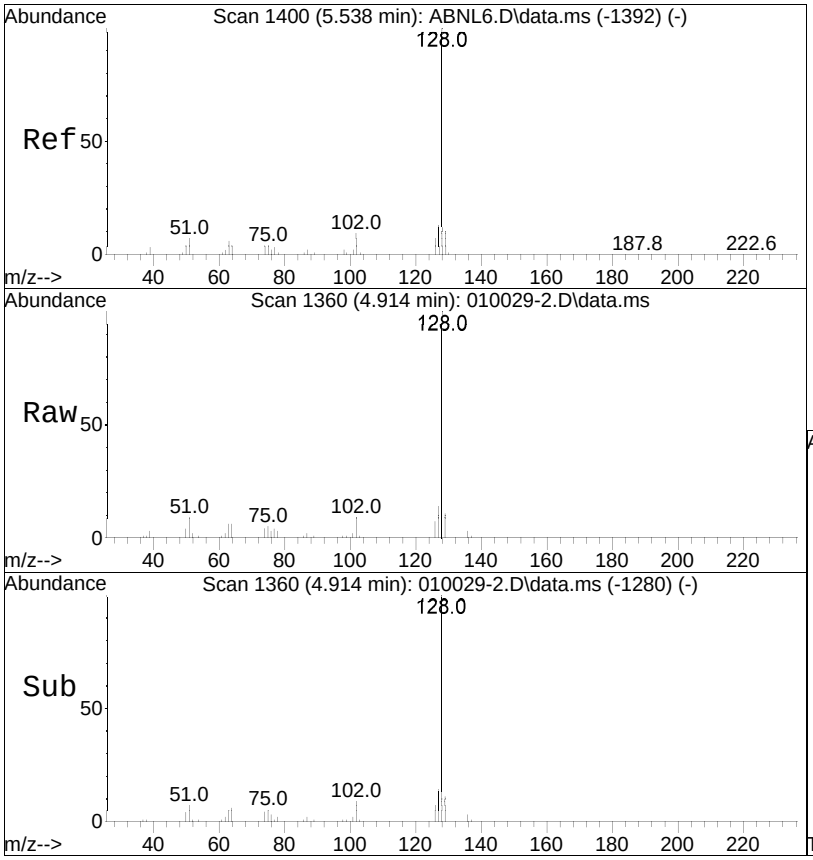


#29
Acetophenone
Concen: 2.02 ug/ml
RT: 4.075 min Scan# 1090
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:105 Resp: 18831

Ion	Ratio	Lower	Upper
105	100		
120	14.1	20.5	30.7#
51	33.6	34.9	52.3#

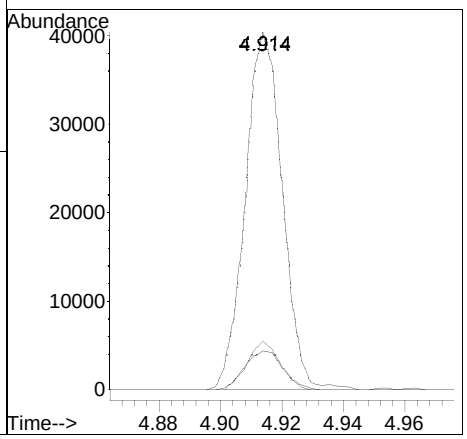


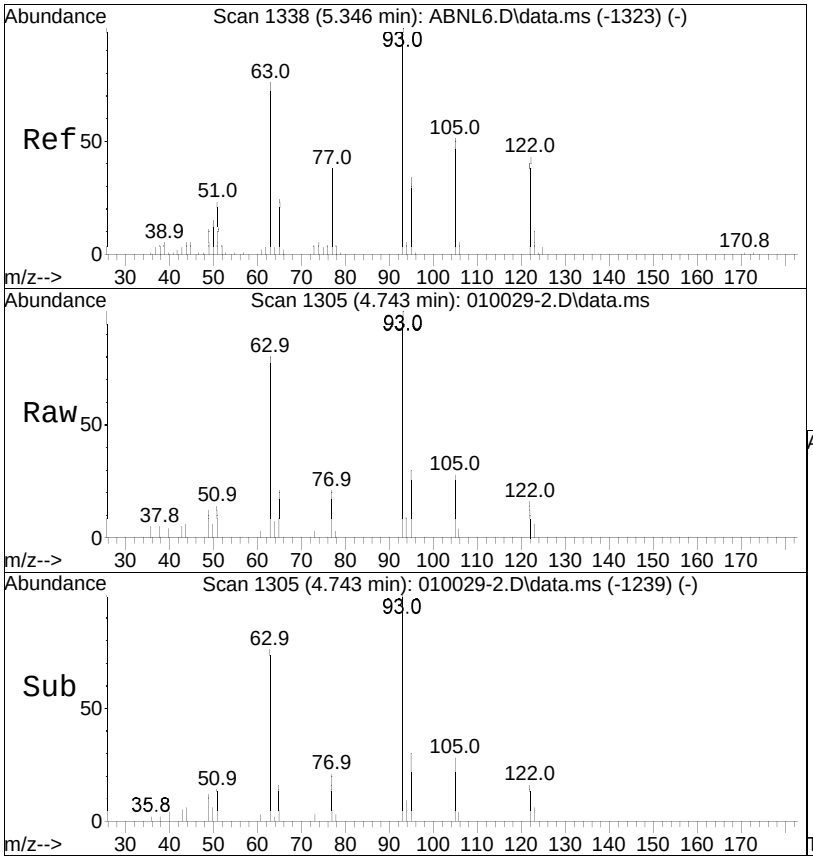


#38
Naphthalene
Concen: 1.18 ug/ml
RT: 4.914 min Scan# 1360
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:128 Resp: 33401

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.3	10.3	15.5

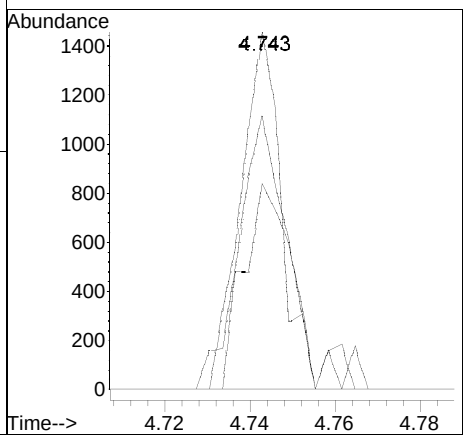


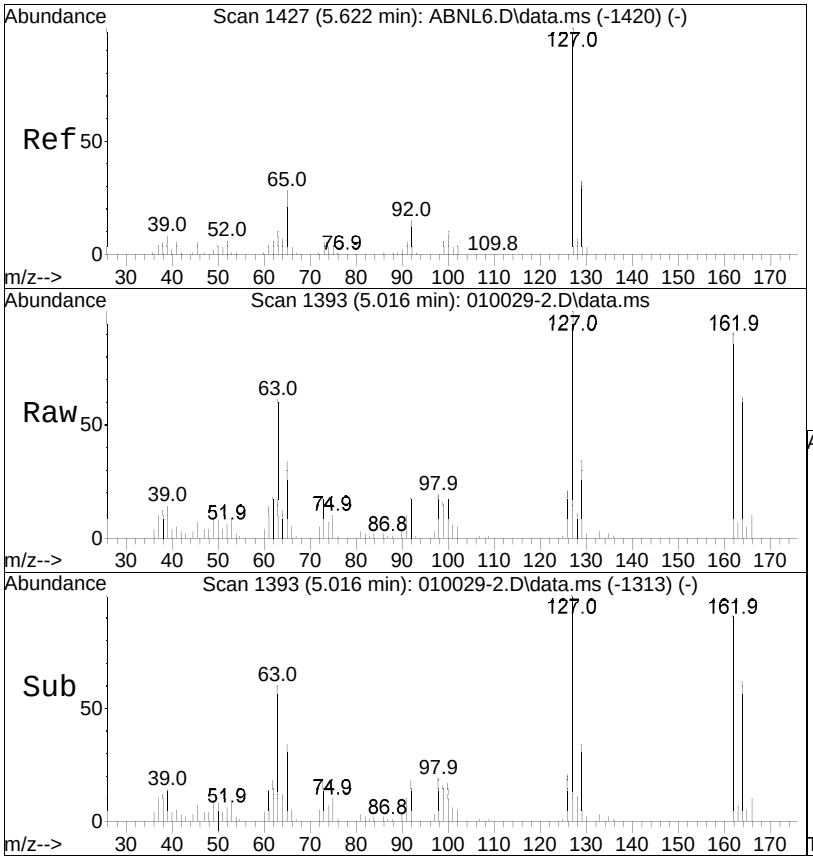


#39
Benzoic Acid
Concen: 0.18 ug/ml
RT: 4.743 min Scan# 1305
Delta R.T. -0.044 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:105 Resp: 1023

Ion	Ratio	Lower	Upper
105	100		
122	66.1	59.9	89.9
77	82.8	60.1	90.1

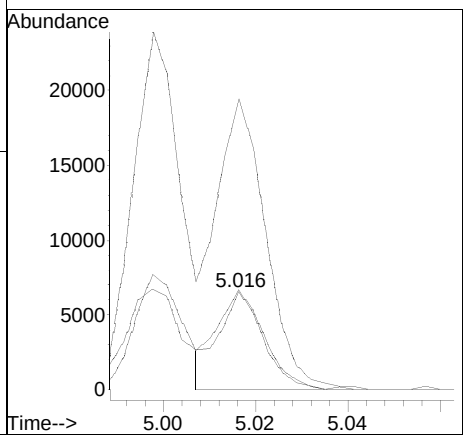


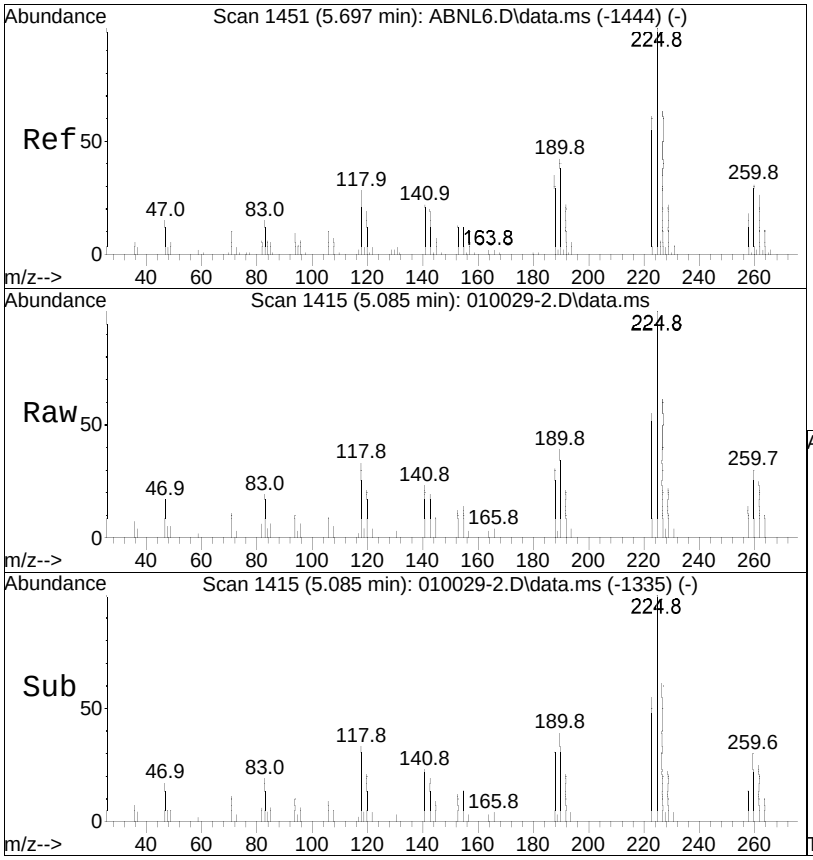


#40
4-Chloroaniline
Concen: 1.40 ug/ml
RT: 5.016 min Scan# 1393
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 65 Resp: 4355

Ion	Ratio	Lower	Upper
65	100		
127	334.1	237.6	356.4
129	109.4	76.3	114.5

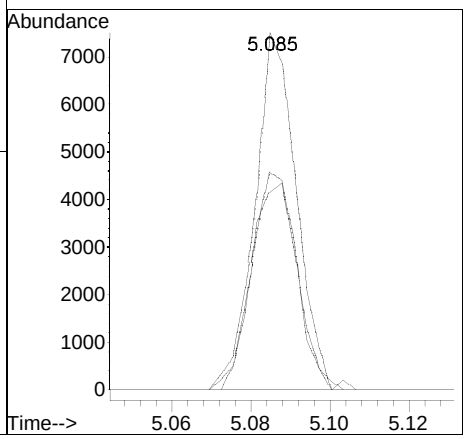


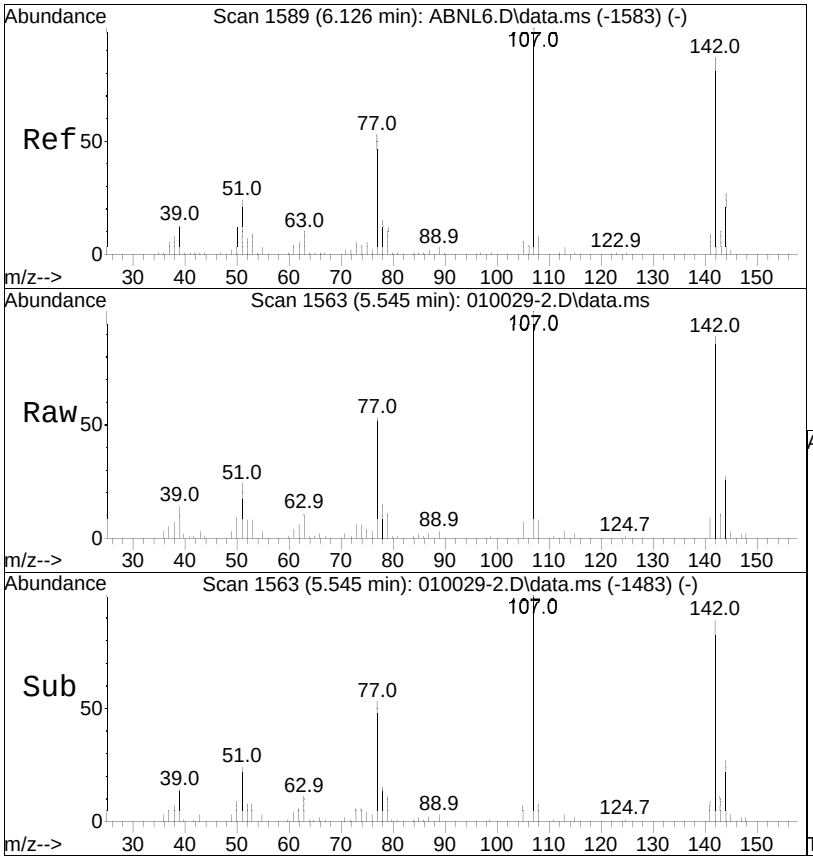


#41
Hexachlorobutadiene
Concen: 0.83 ug/ml
RT: 5.085 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:225 Resp: 5481

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.3	75.5
227	65.8	52.2	78.2

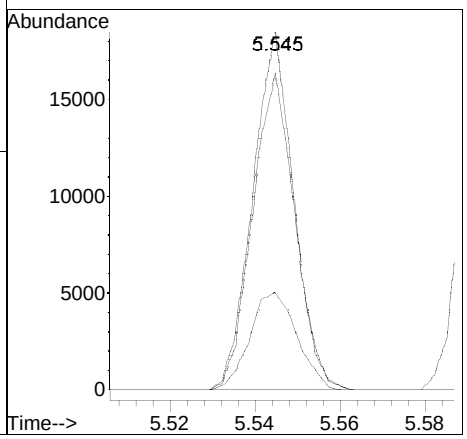


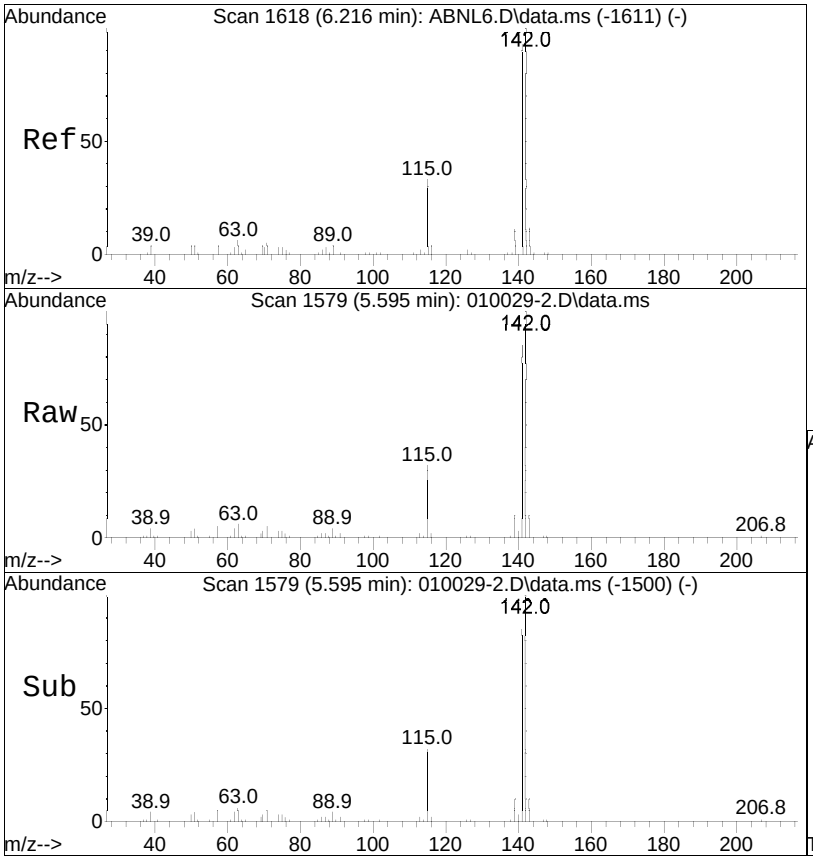


#42
p-Chloro-m-cresol
Concen: 1.65 ug/ml
RT: 5.545 min Scan# 1563
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:107 Resp: 12272

Ion	Ratio	Lower	Upper
107	100		
144	31.5	20.9	31.3#
142	91.4	66.1	99.1

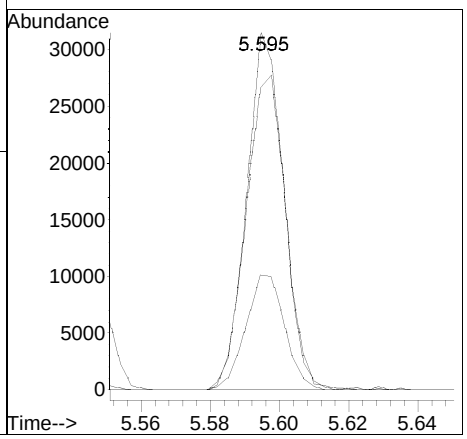


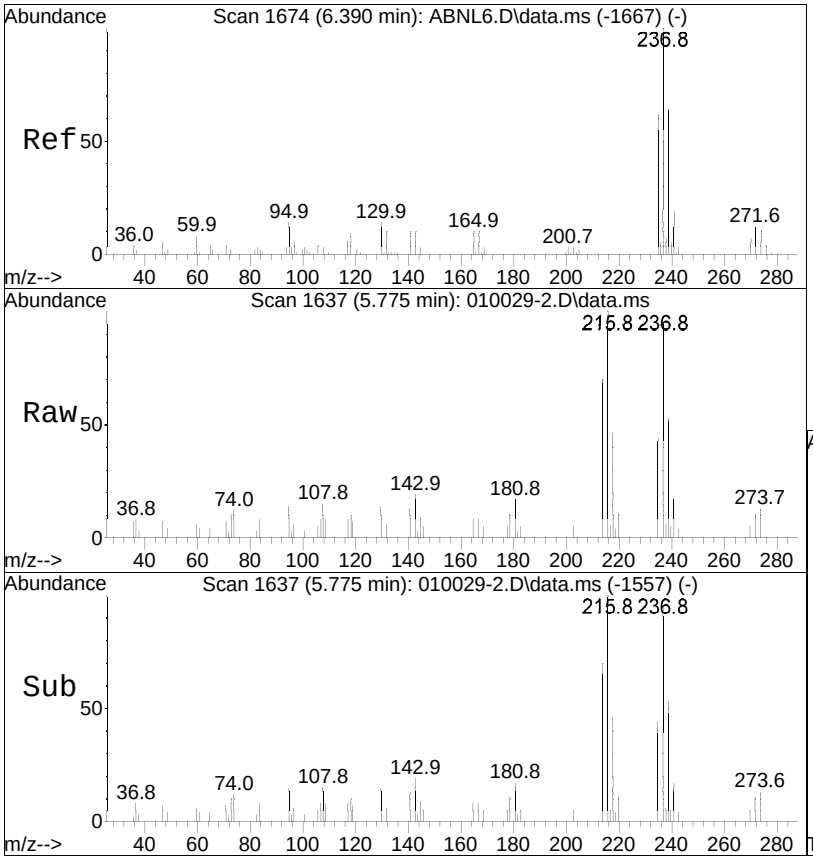


#43
2-Methylnaphthalene
Concen: 1.21 ug/ml
RT: 5.595 min Scan# 1579
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:142 Resp: 23659

Ion	Ratio	Lower	Upper
142	100		
141	92.7	69.6	104.4
115	33.7	26.6	40.0

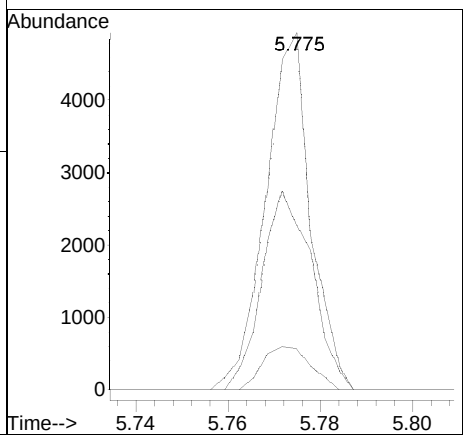


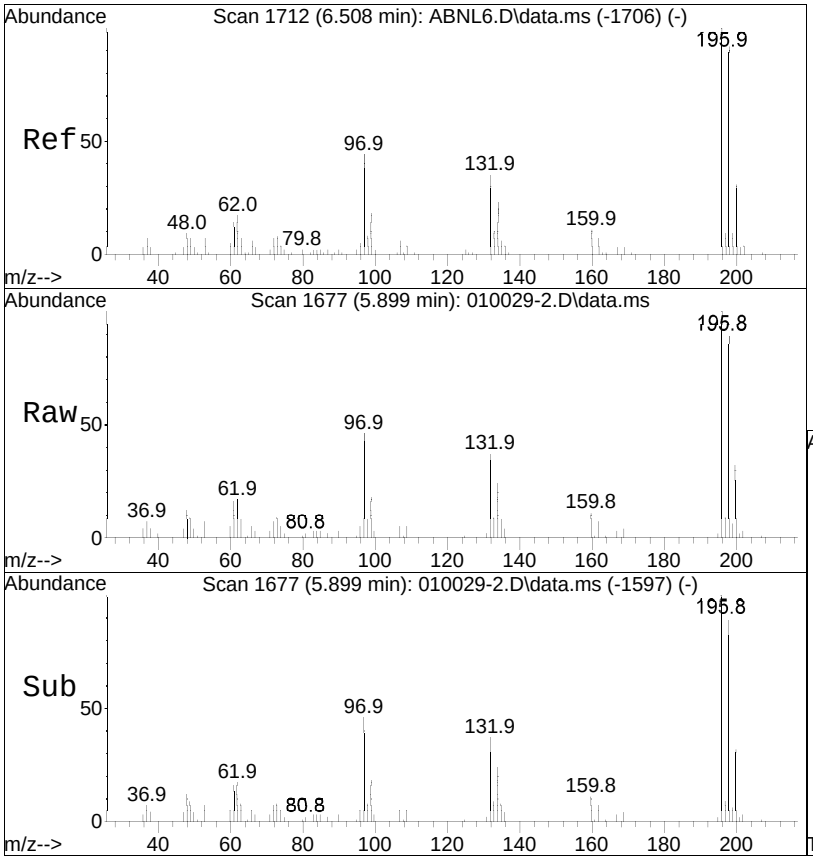


#45
Hexachlorocyclopentadiene
Concen: 0.48 ug/ml
RT: 5.775 min Scan# 1637
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:237 Resp: 3336

Ion	Ratio	Lower	Upper
237	100		
235	61.8	49.7	74.5
272	0.0	9.8	14.6#

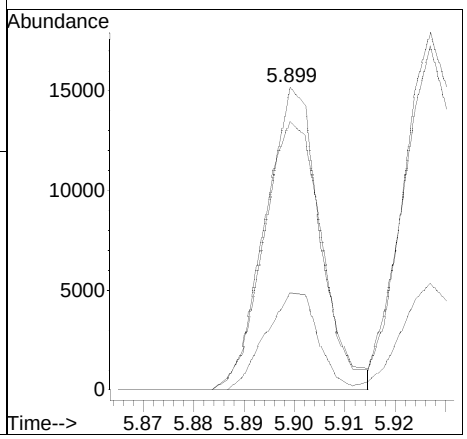


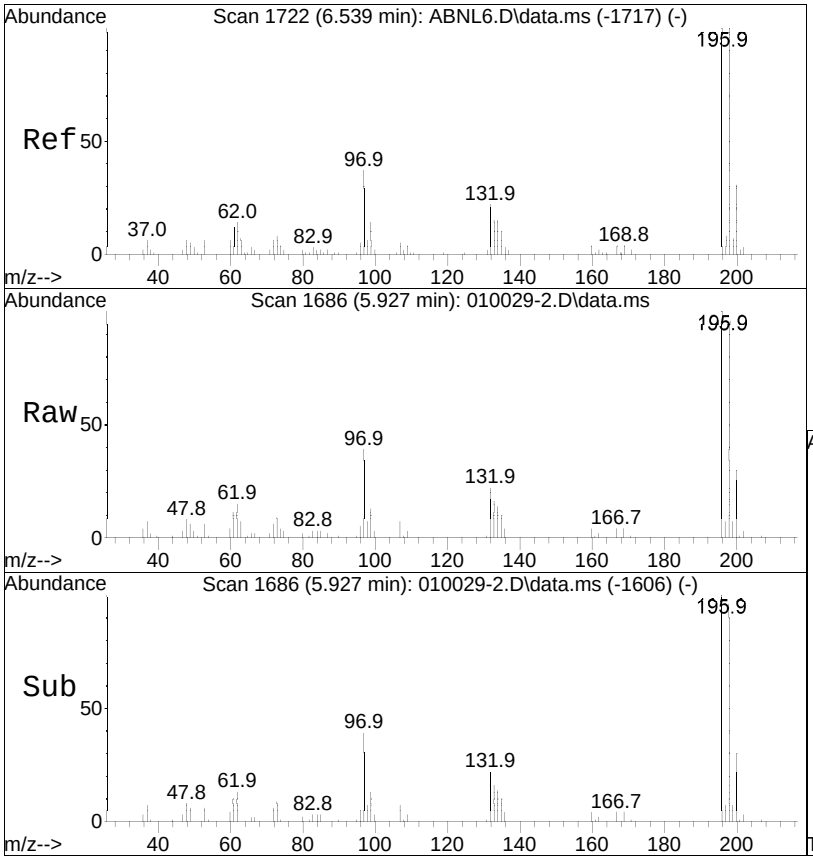


#46
2,4,6-Trichlorophenol
Concen: 1.54 ug/ml
RT: 5.899 min Scan# 1677
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:196 Resp: 11334

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.5	116.3
200	31.0	23.8	35.6

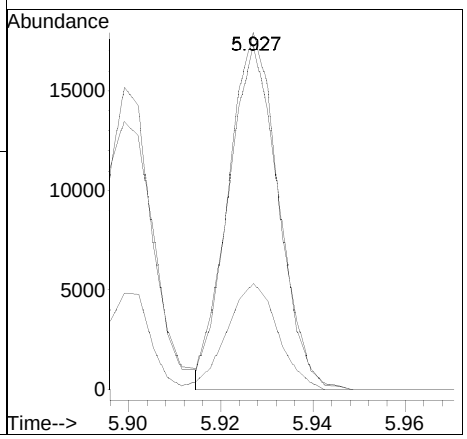


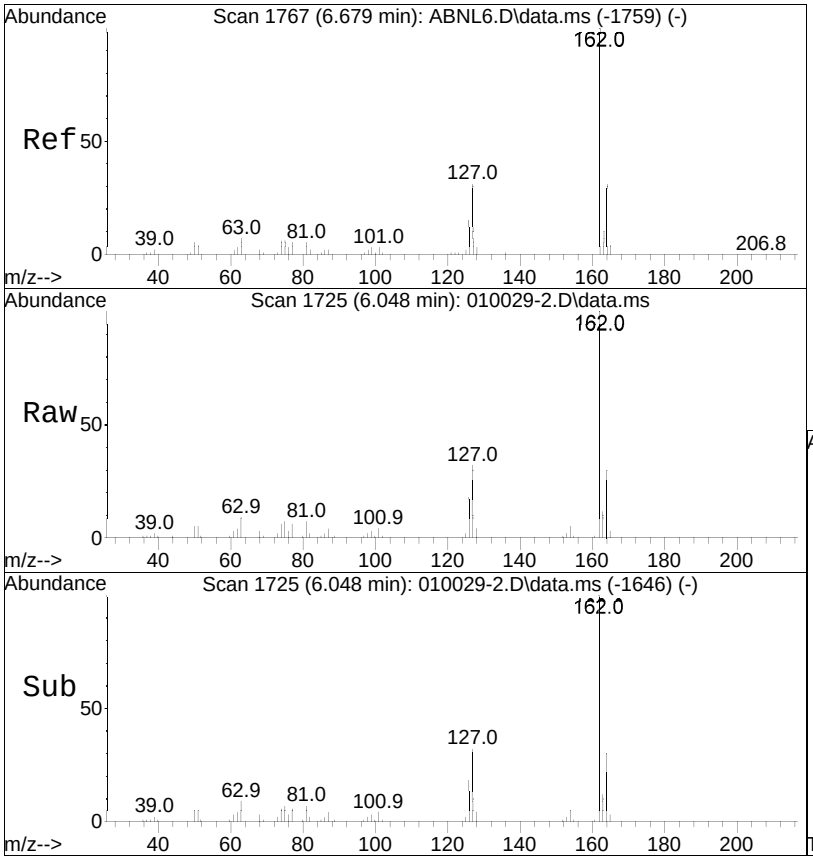


#47
2,4,5-Trichlorophenol
Concen: 1.65 ug/ml
RT: 5.927 min Scan# 1686
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:196 Resp: 13581

Ion	Ratio	Lower	Upper
196	100		
200	30.4	25.4	38.0
198	95.6	78.0	117.0

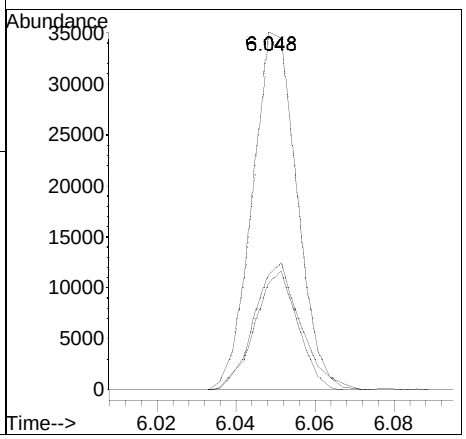


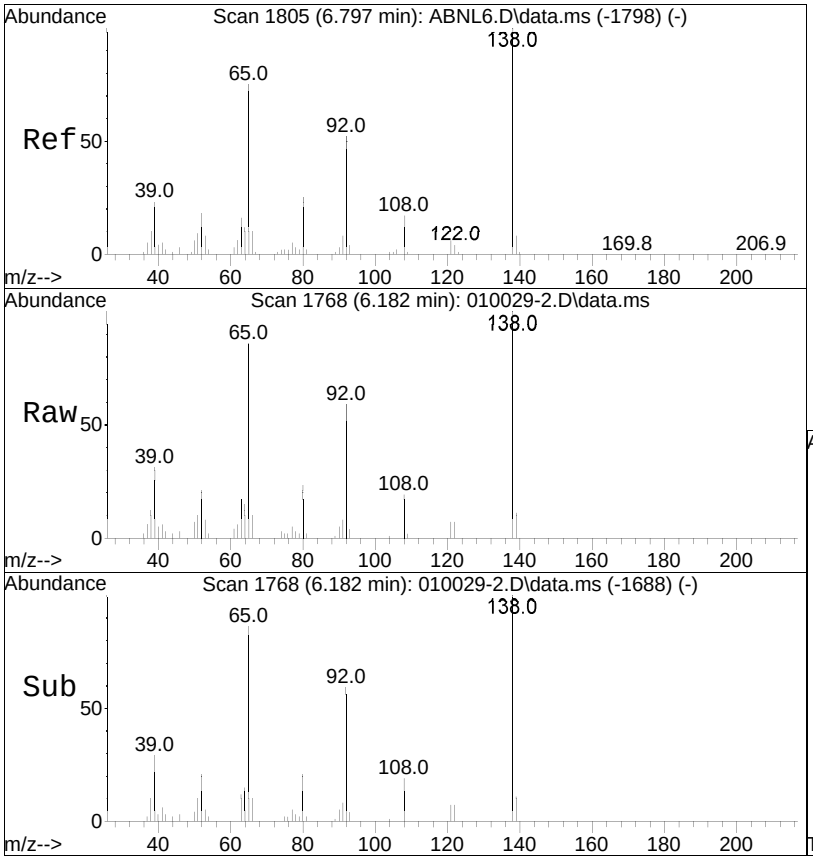


#49
2-Chloronaphthalene
Concen: 1.25 ug/ml
RT: 6.048 min Scan# 1725
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:162 Resp: 27348

Ion	Ratio	Lower	Upper
162	100		
127	37.2	32.2	48.4
164	32.2	25.7	38.5

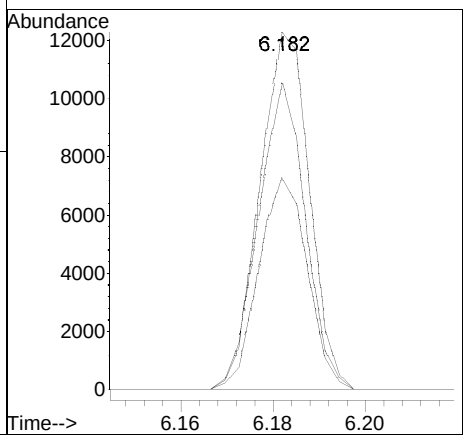


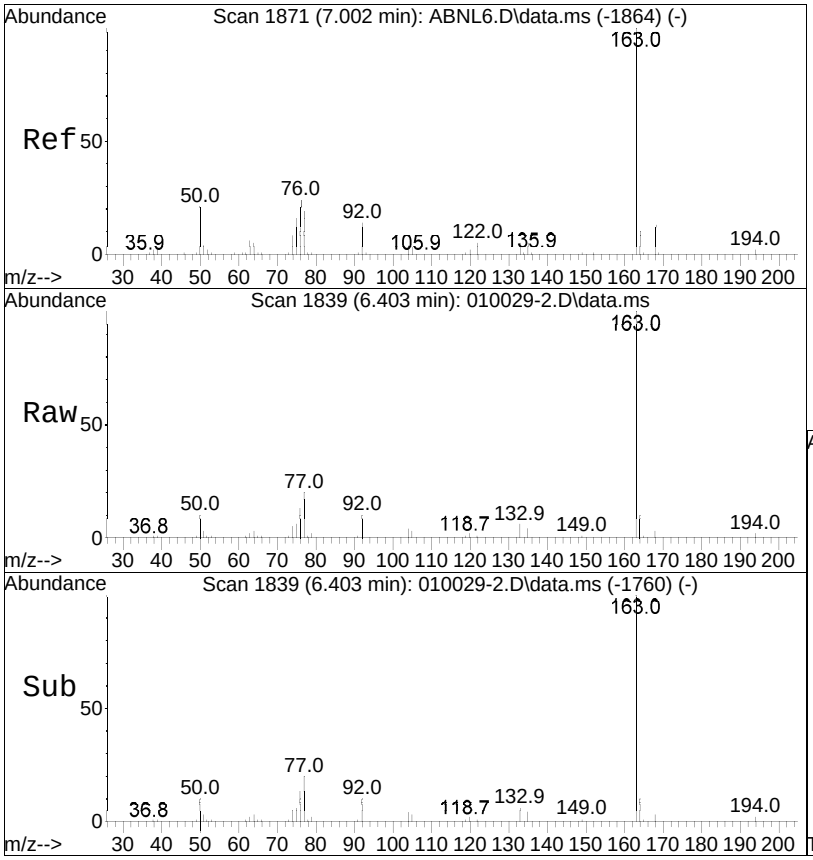


#50
2-Nitroaniline
Concen: 1.63 ug/ml
RT: 6.182 min Scan# 1768
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:138 Resp: 9136

Ion	Ratio	Lower	Upper
138	100		
92	58.0	53.5	80.3
65	81.4	86.3	129.5#

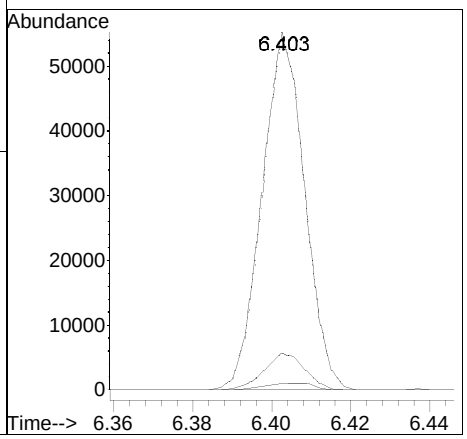


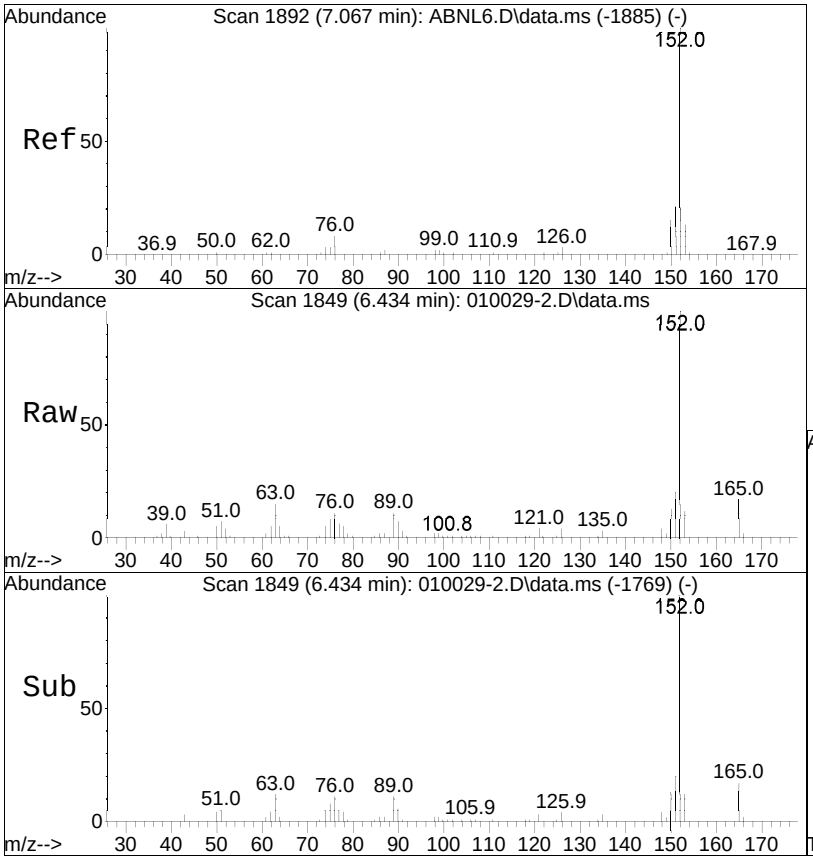


#53
Dimethyl phthalate
Concen: 1.61 ug/ml
RT: 6.403 min Scan# 1839
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:163 Resp: 40901

Ion	Ratio	Lower	Upper
163	100		
194	2.1	3.5	5.3#
164	9.9	7.9	11.9

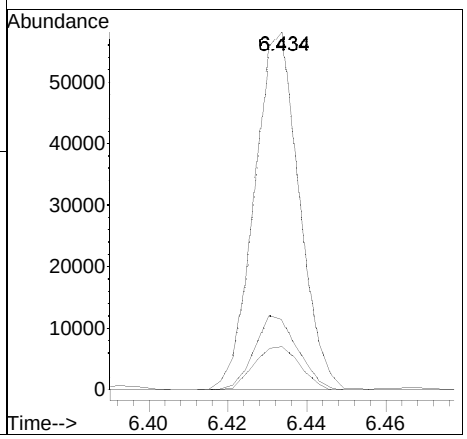


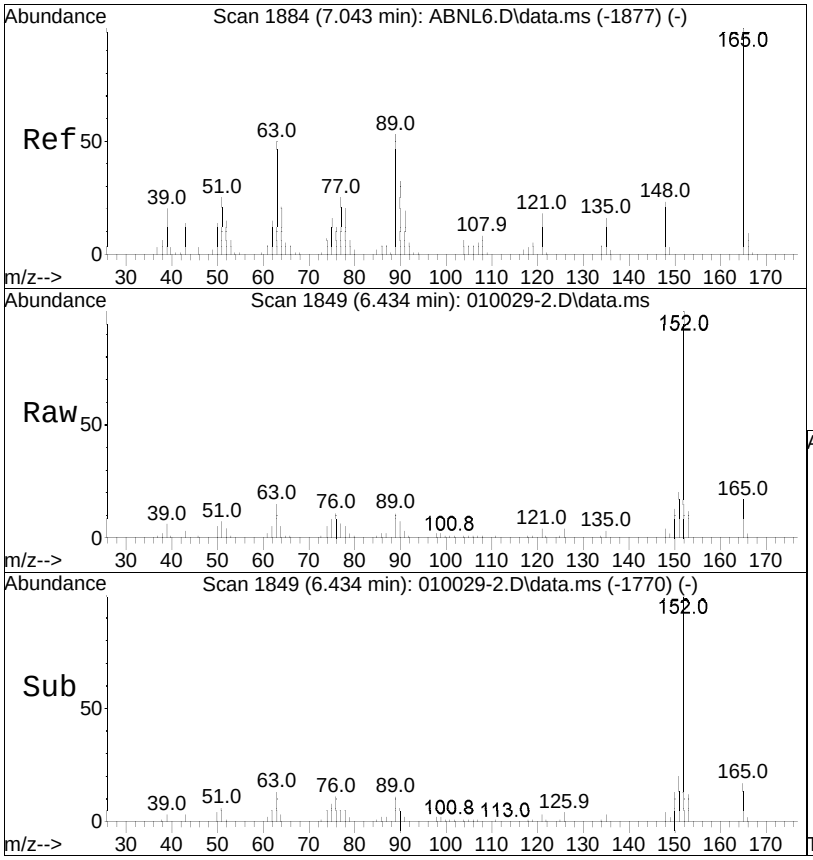


#54
Acenaphthylene
Concen: 1.41 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:152 Resp: 45394

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	12.6	10.5	15.7

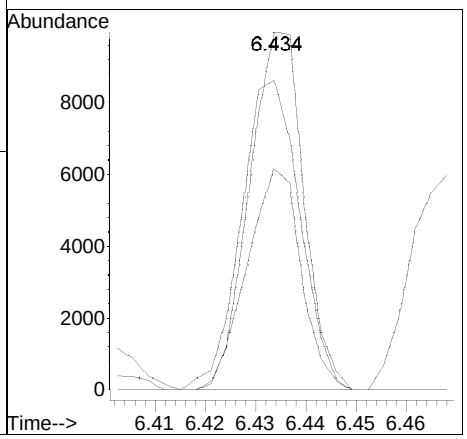


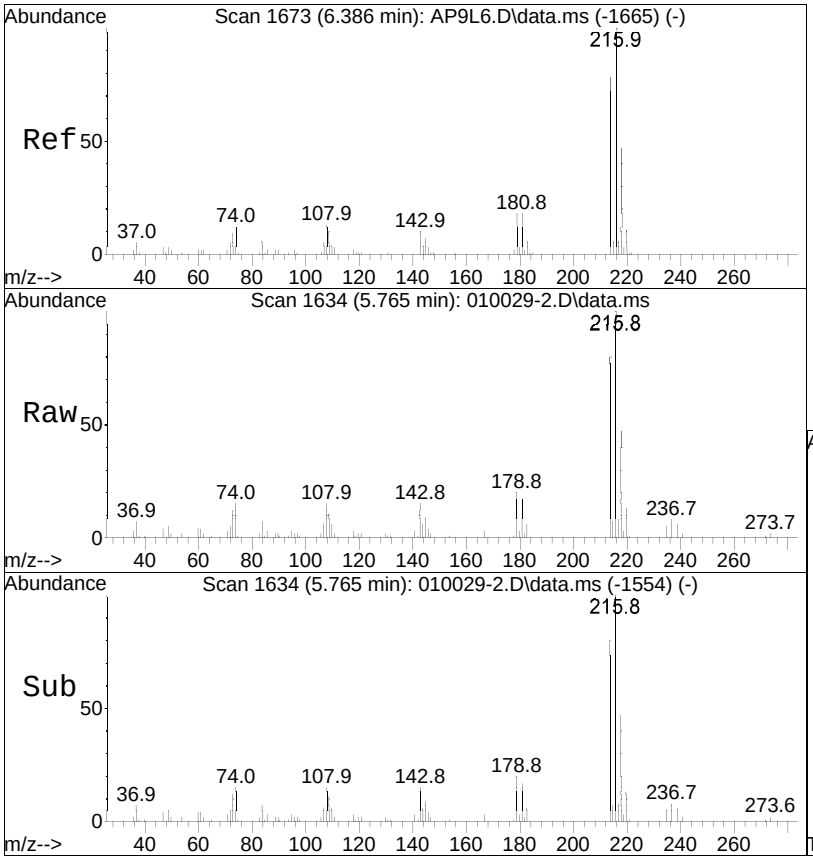


#55
2,6-Dinitrotoluene
Concen: 1.57 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:165 Resp: 7470

Ion	Ratio	Lower	Upper
165	100		
89	61.5	54.2	81.2
63	93.5	64.2	96.2

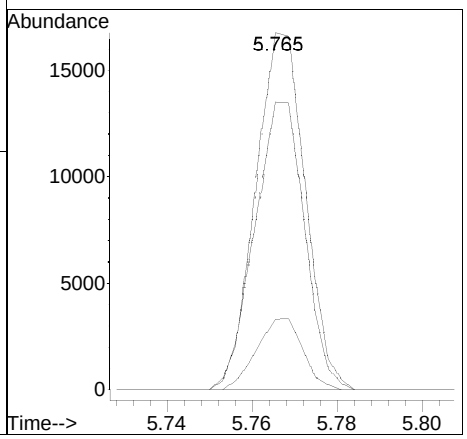


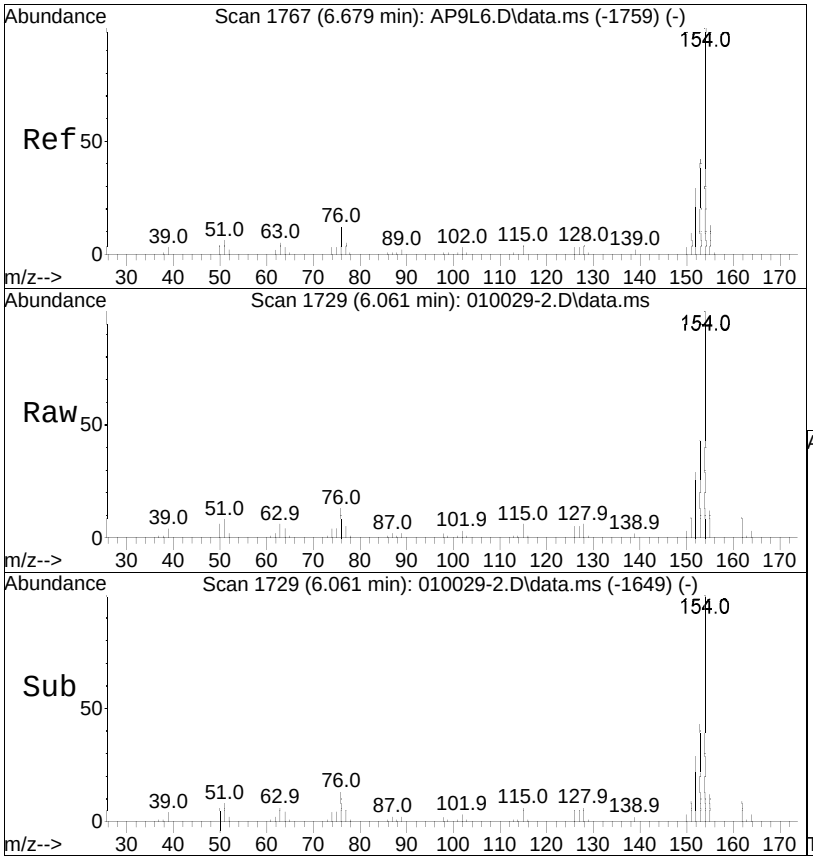


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.28 ug/ml
RT: 5.765 min Scan# 1634
Delta R.T. 0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:216 Resp: 13538

Ion	Ratio	Lower	Upper
216	100		
214	80.8	63.7	95.5
179	18.7	19.0	28.6#

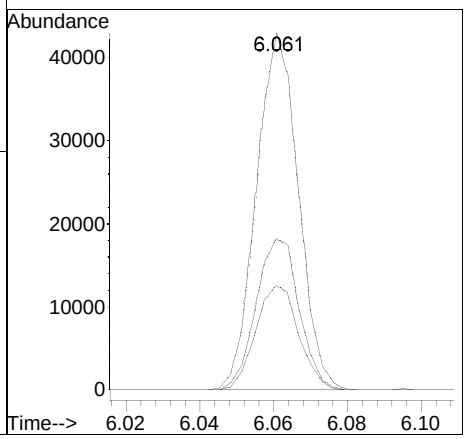


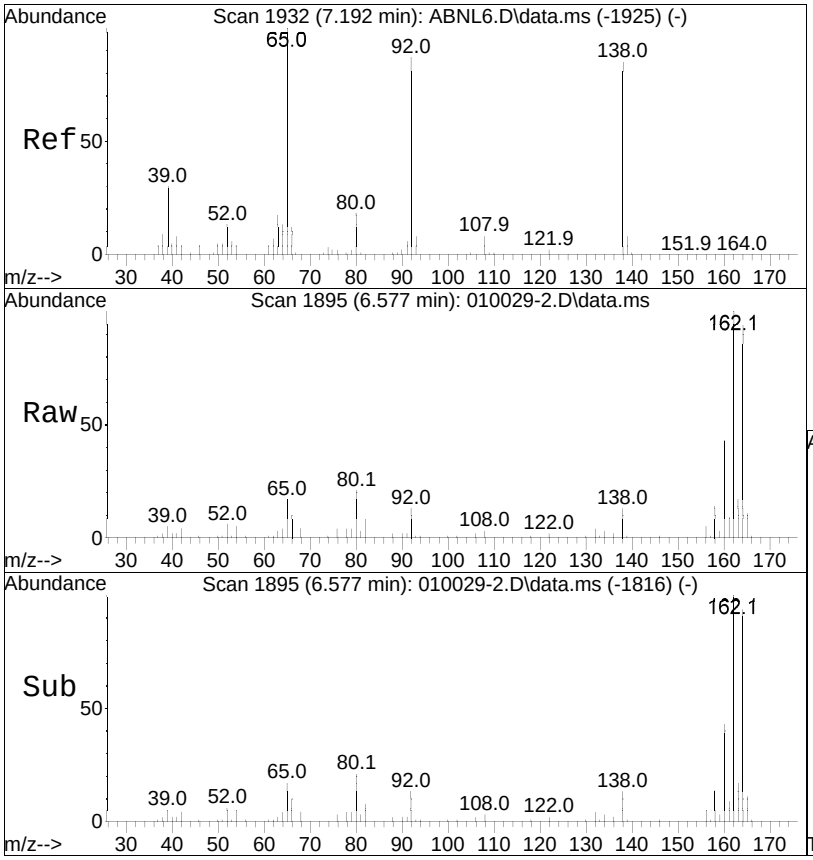


#64
Biphenyl
Concen: 1.56 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. 0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:154 Resp: 33767

Ion	Ratio	Lower	Upper
154	100		
153	43.5	32.3	48.5
152	30.1	22.5	33.7

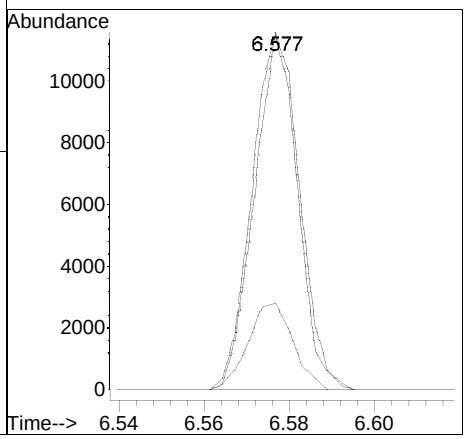


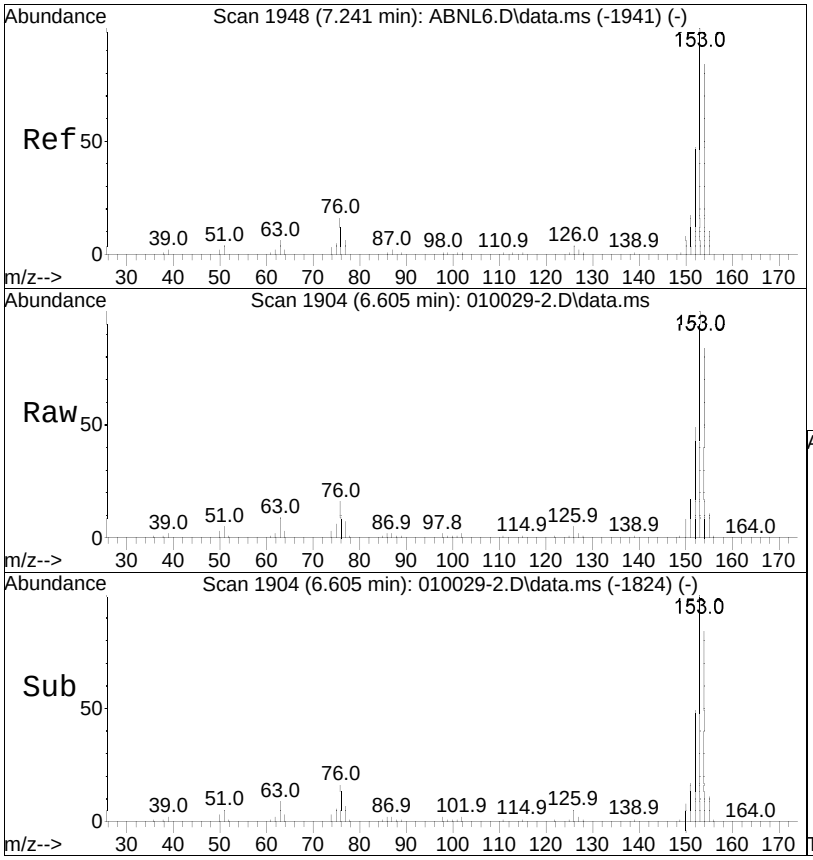


#66
3-Nitroaniline
Concen: 1.62 ug/ml
RT: 6.577 min Scan# 1895
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:138 Resp: 8413

Ion	Ratio	Lower	Upper
138	100		
92	100.9	93.4	140.2
108	24.4	9.5	14.3#

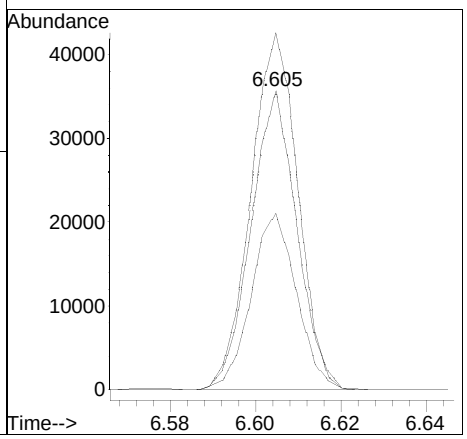


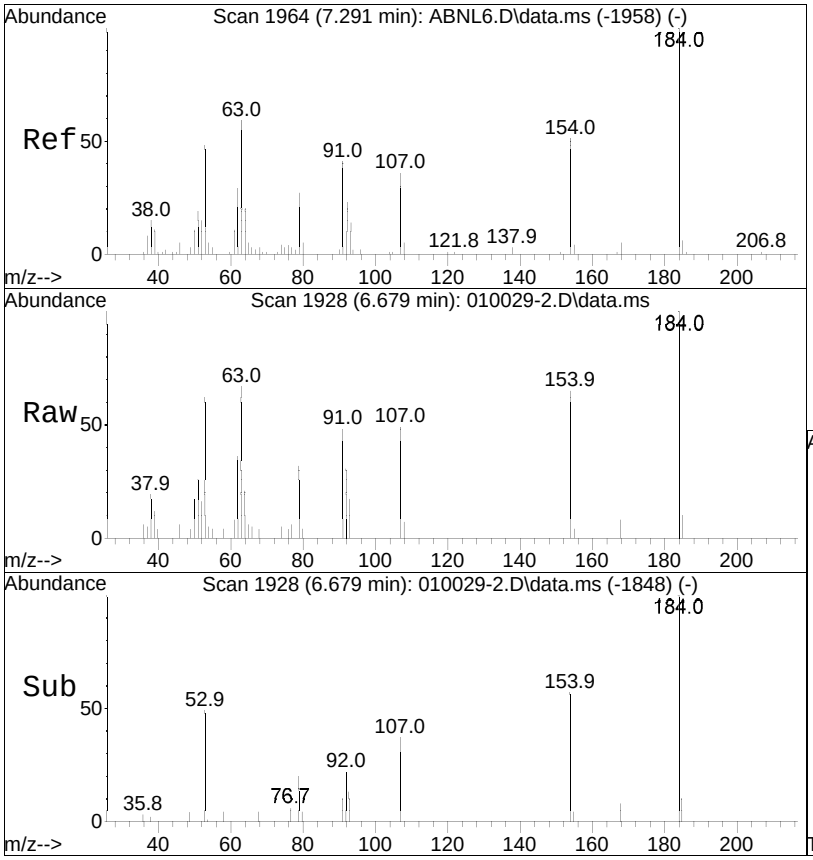


#67
Acenaphthene
Concen: 1.36 ug/ml
RT: 6.605 min Scan# 1904
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:154 Resp: 26673

Ion	Ratio	Lower	Upper
154	100		
153	122.3	85.3	127.9
152	58.7	41.4	62.0

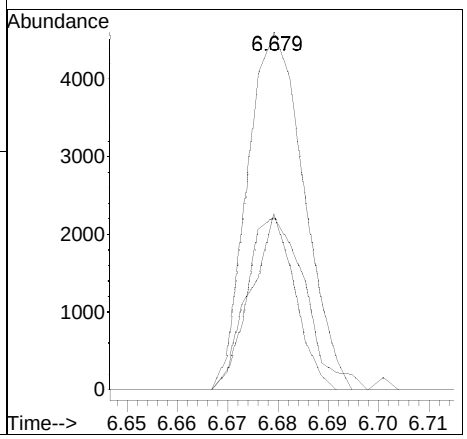


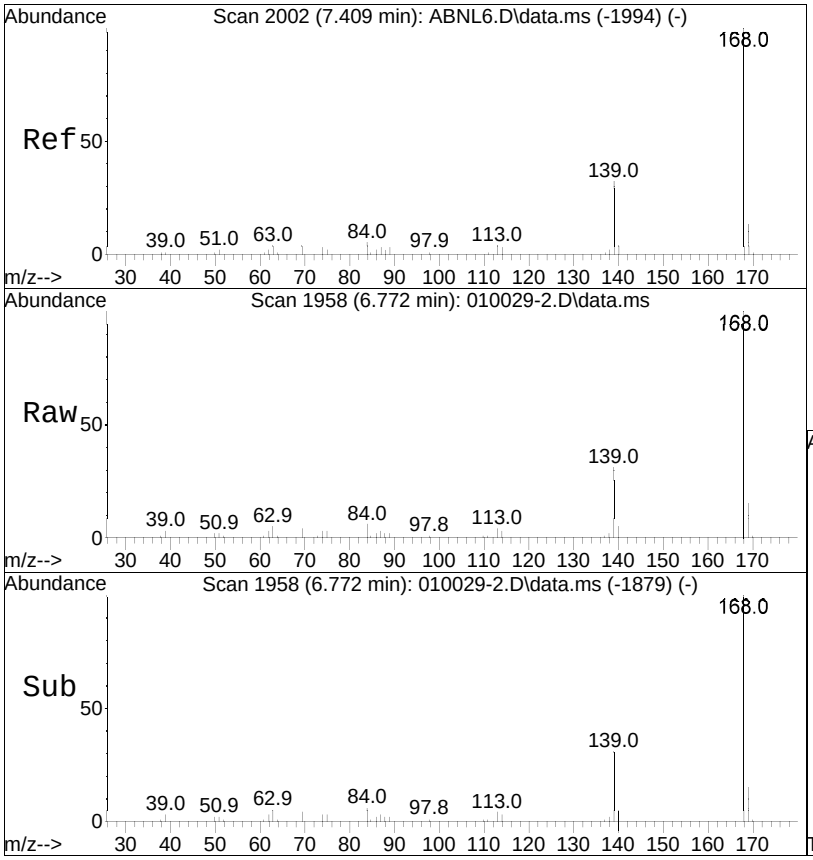


#68
2,4-Dinitrophenol
Concen: 1.13 ug/ml
RT: 6.679 min Scan# 1928
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:184 Resp: 3582

Ion	Ratio	Lower	Upper
184	100		
107	39.1	37.7	56.5
91	49.9	46.3	69.5

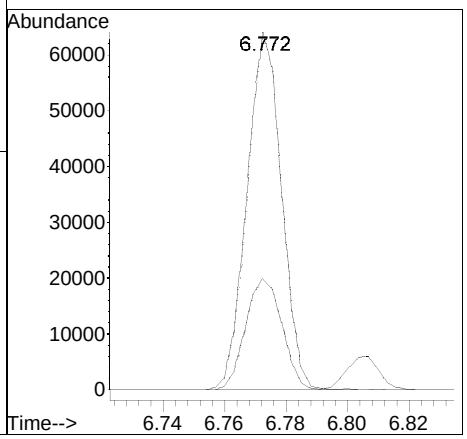


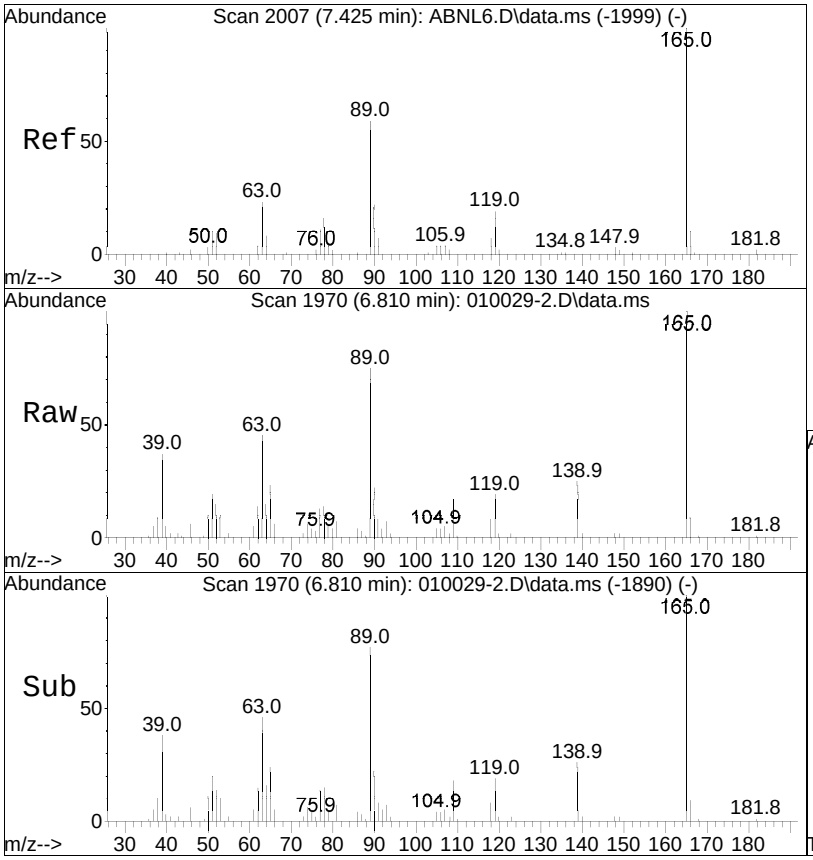


#69
Dibenzofuran
Concen: 1.47 ug/ml
RT: 6.772 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:168 Resp: 49533

Ion	Ratio	Lower	Upper
168	100		
139	33.0	31.4	47.2

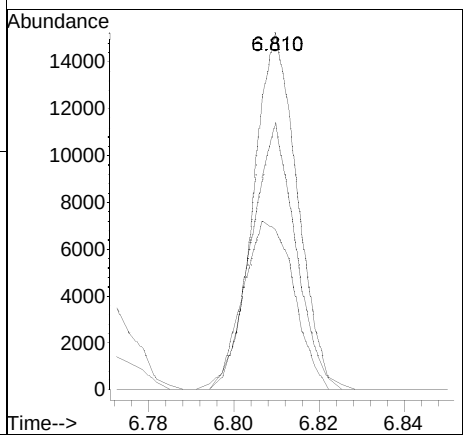


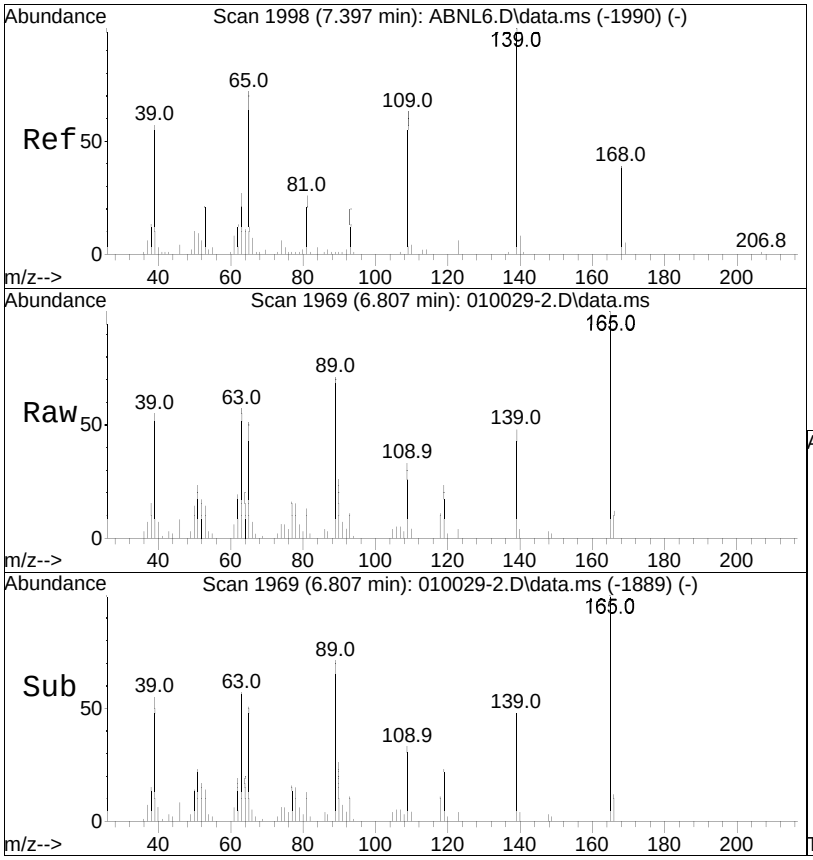


#70
2,4-Dinitrotoluene
Concen: 1.67 ug/ml
RT: 6.810 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:165 Resp: 10889

Ion	Ratio	Lower	Upper
165	100		
89	74.9	72.0	108.0
63	55.2	52.7	79.1

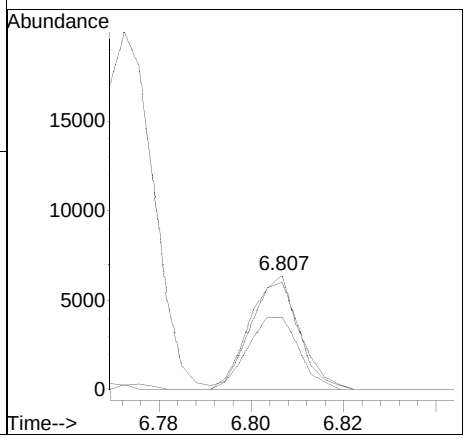


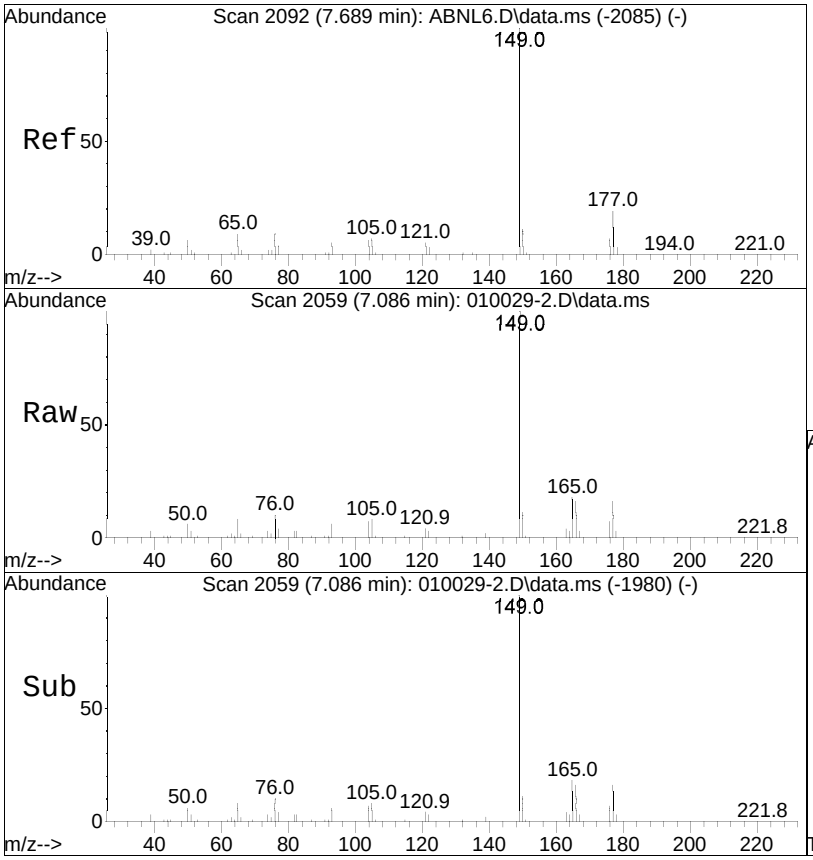


#71
4-Nitrophenol
Concen: 1.23 ug/ml
RT: 6.807 min Scan# 1969
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion: 65 Resp: 4765

Ion	Ratio	Lower	Upper
65	100		
109	65.9	47.4	71.2
139	93.8	76.6	115.0

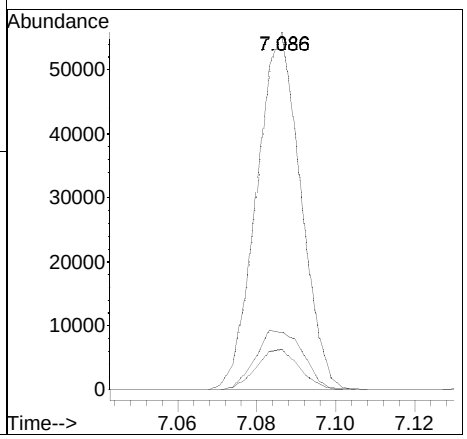


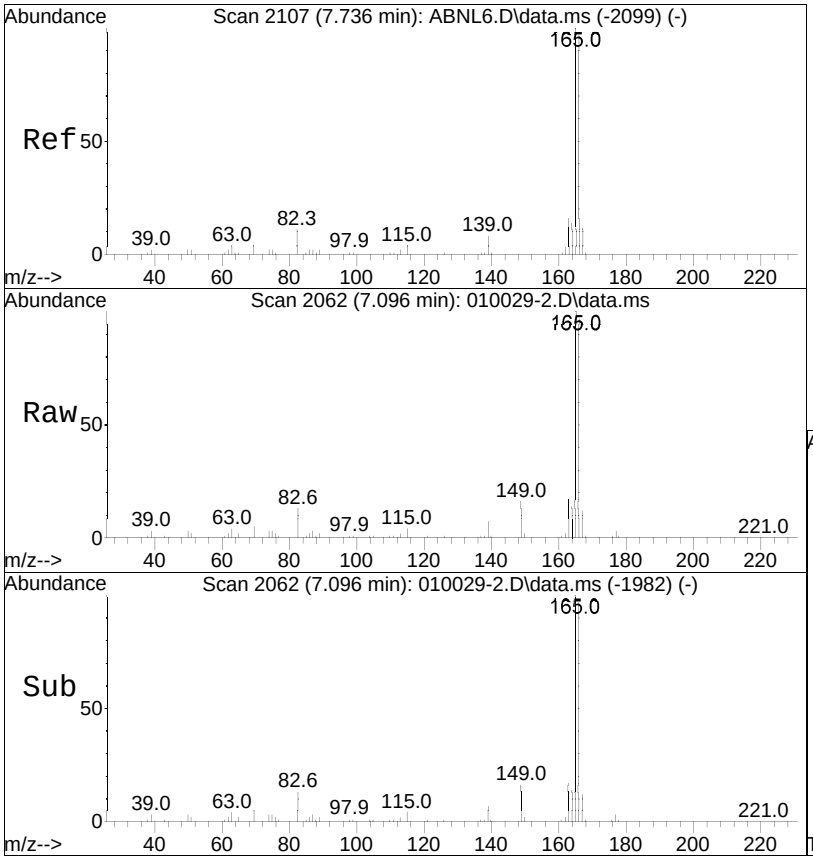


#74
Diethyl phthalate
Concen: 1.62 ug/ml
RT: 7.086 min Scan# 2059
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:149 Resp: 42863

Ion	Ratio	Lower	Upper
149	100		
177	18.1	16.1	24.1
150	11.3	9.4	14.2

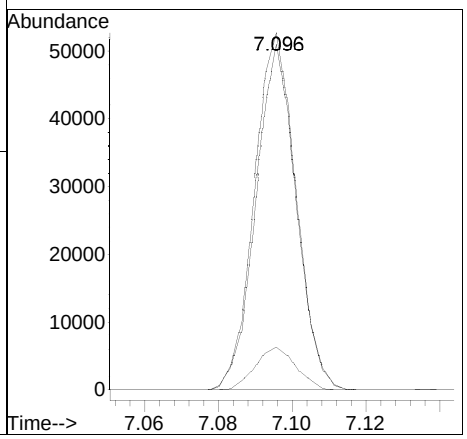


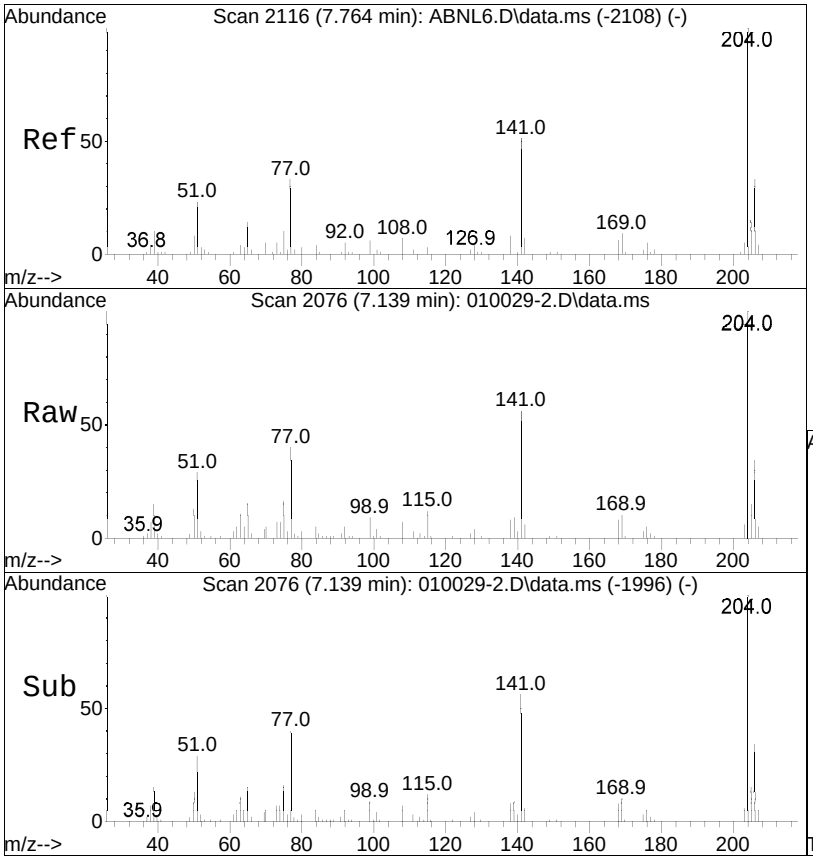


#75
Fluorene
Concen: 1.50 ug/ml
RT: 7.096 min Scan# 2062
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:166 Resp: 38615

Ion	Ratio	Lower	Upper
166	100		
165	106.8	76.2	114.2
167	12.6	10.6	15.8

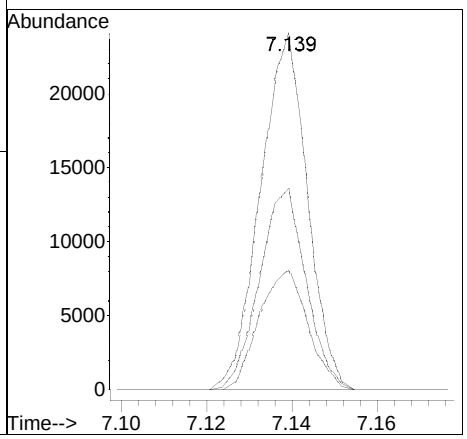


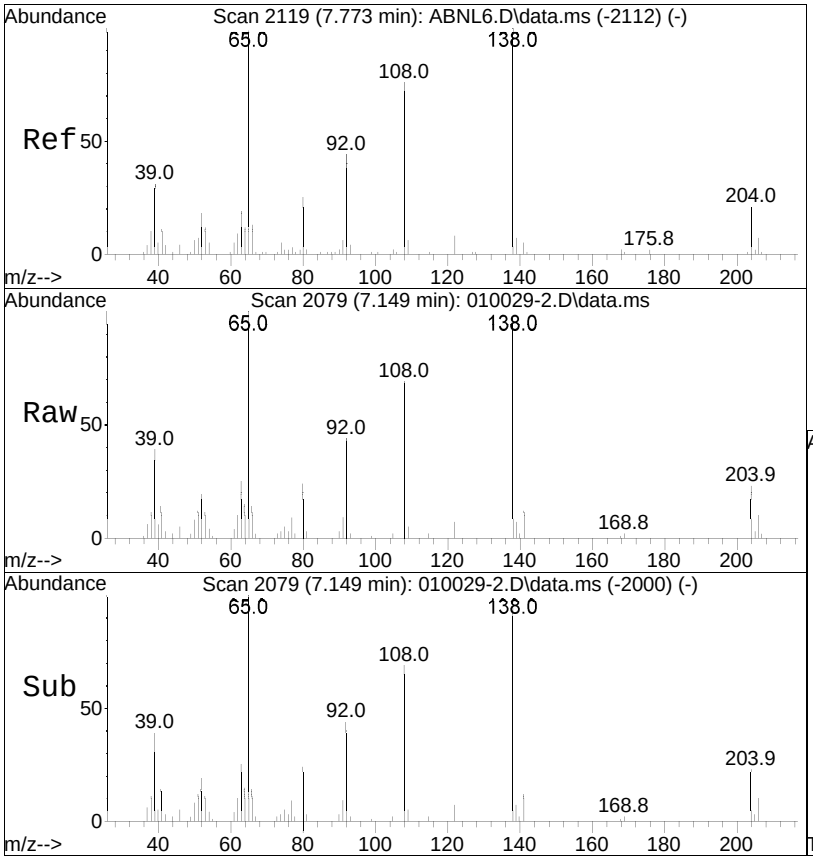


#76
4-Chlorophenyl phenyl ether
Concen: 1.38 ug/ml
RT: 7.139 min Scan# 2076
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:204 Resp: 18315

Ion	Ratio	Lower	Upper
204	100		
206	34.9	25.8	38.6
141	56.1	53.6	80.4

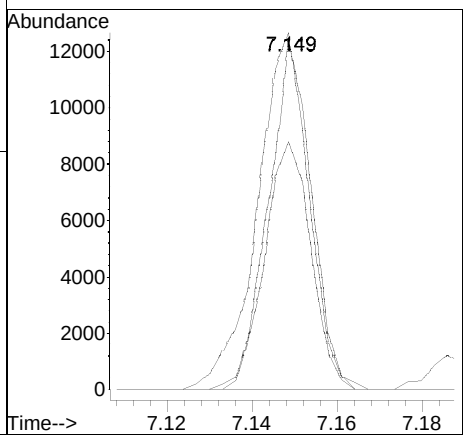


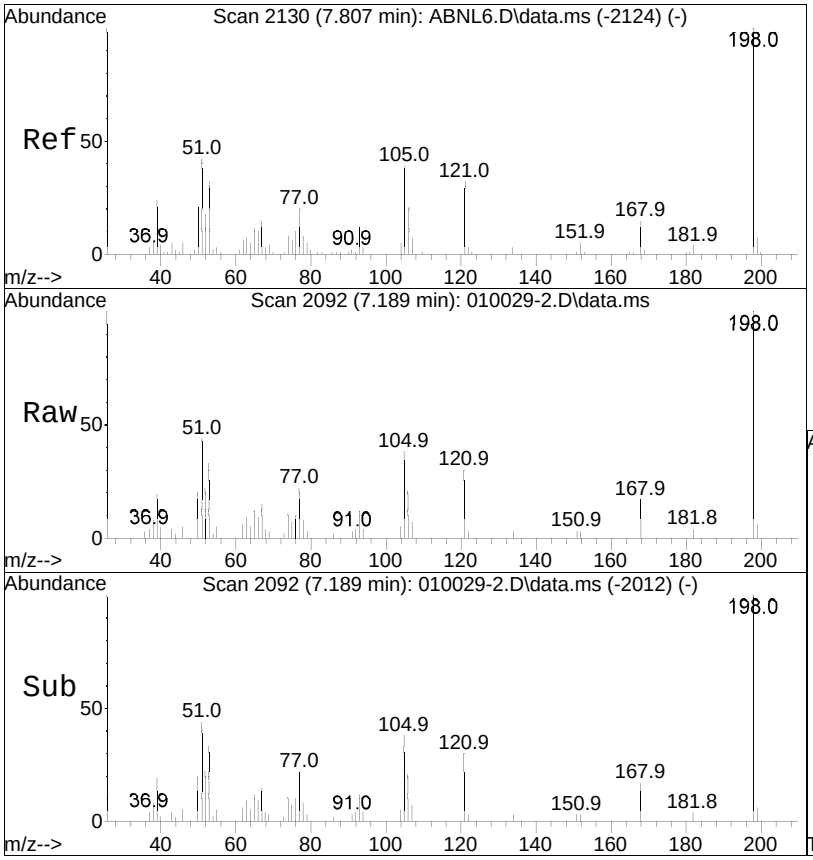


#77
4-Nitroaniline
Concen: 1.73 ug/ml
RT: 7.149 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:138 Resp: 8682

Ion	Ratio	Lower	Upper
138	100		
108	75.7	52.1	78.1
65	121.1	115.0	172.6

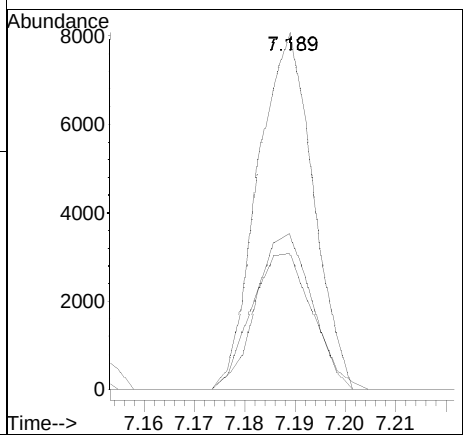


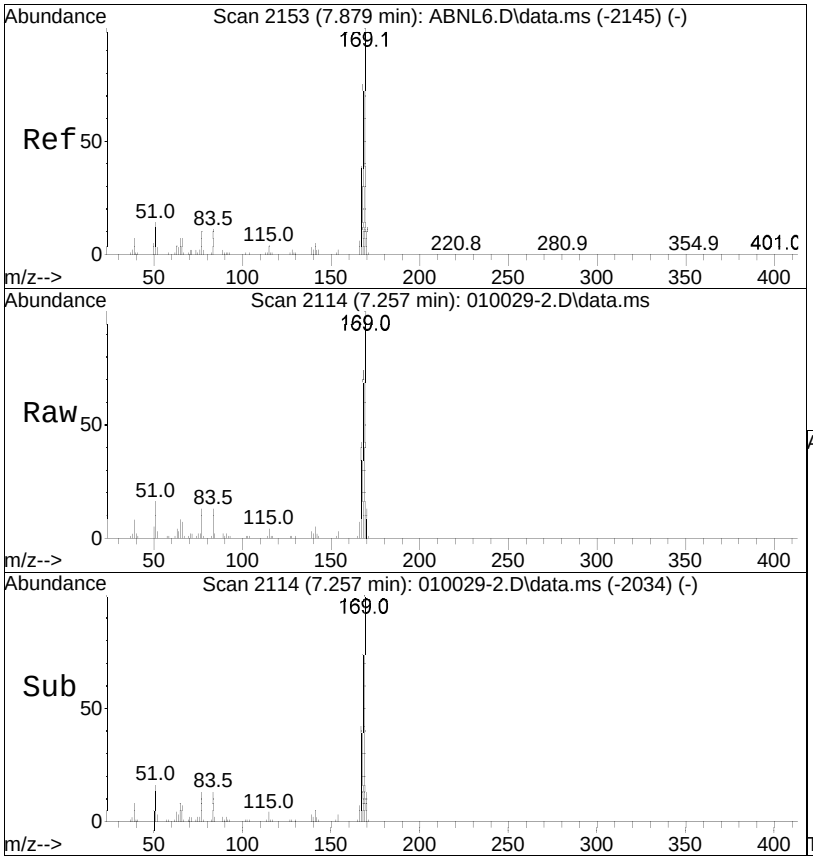


#78
4,6-Dinitro-o-cresol
Concen: 1.56 ug/ml
RT: 7.189 min Scan# 2092
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:198 Resp: 6139

Ion	Ratio	Lower	Upper
198	100		
51	45.6	76.0	114.0#
105	41.0	45.6	68.4#

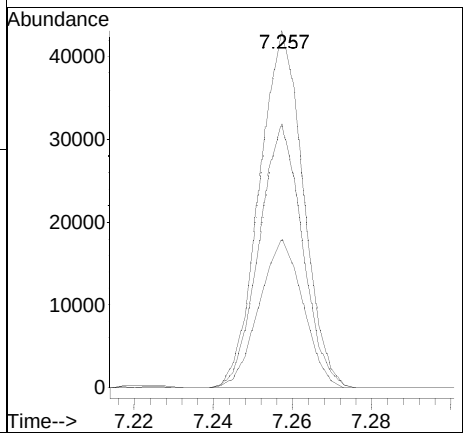


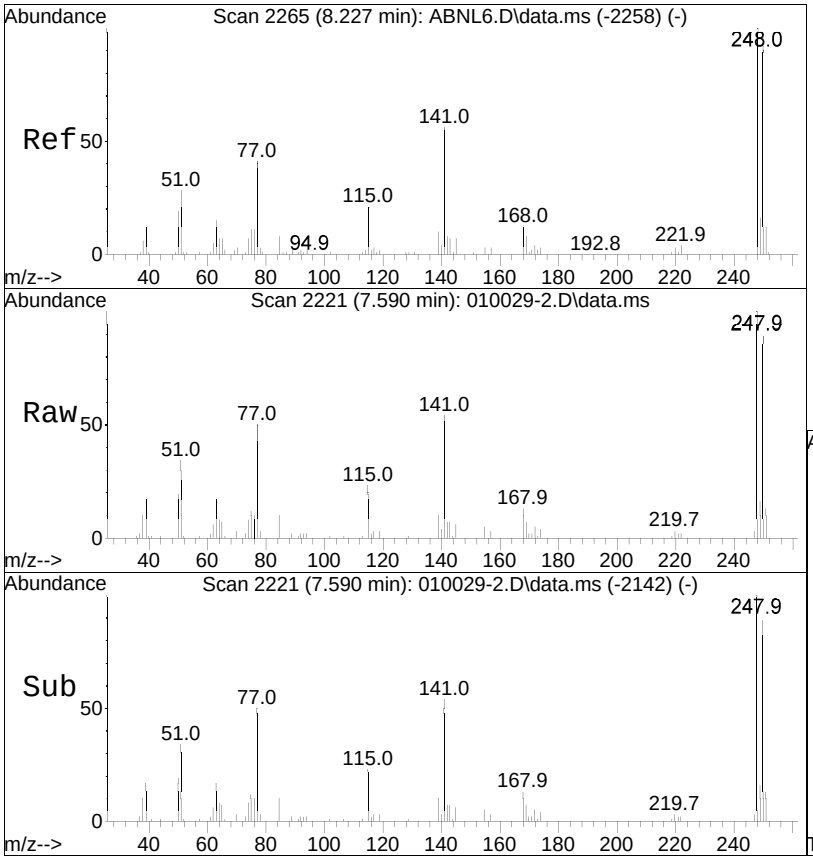


#79
NDPA/DPA
Concen: 1.48 ug/ml
RT: 7.257 min Scan# 2114
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:169 Resp: 33144

Ion	Ratio	Lower	Upper
169	100		
168	72.8	54.0	81.0
167	41.8	28.6	42.8

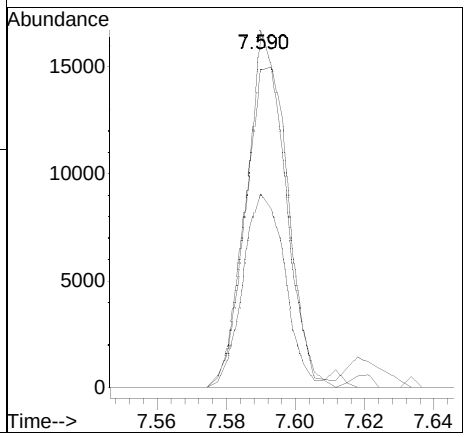


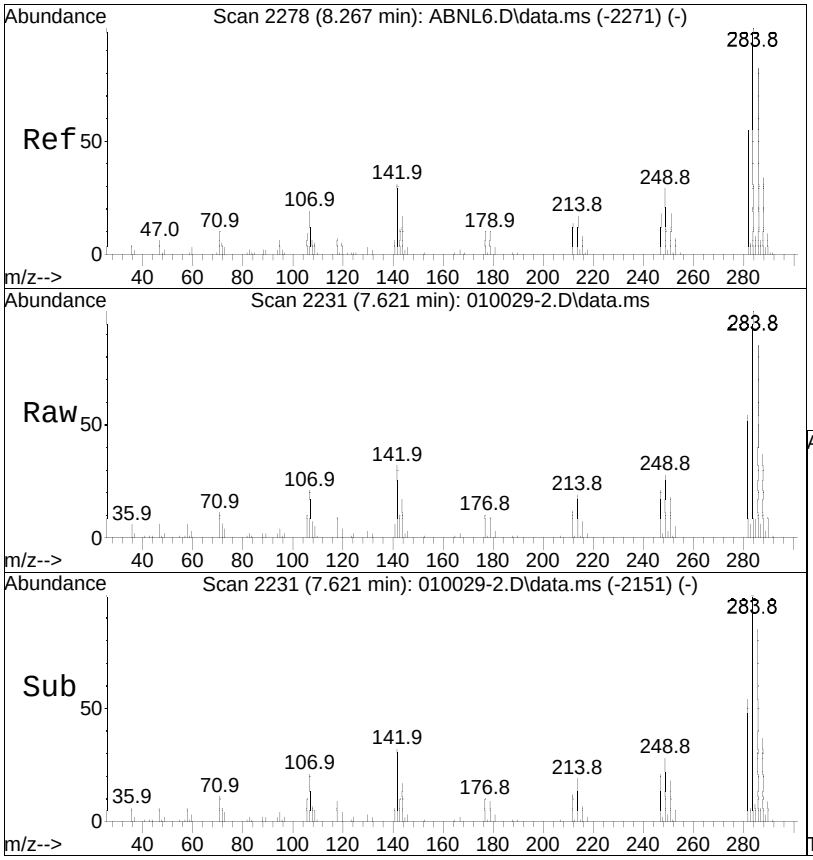


#82
4-Bromophenyl phenyl ether
Concen: 1.55 ug/ml
RT: 7.590 min Scan# 2221
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:248 Resp: 13571

Ion	Ratio	Lower	Upper
248	100		
141	56.8	76.6	114.8#
250	92.5	77.3	115.9

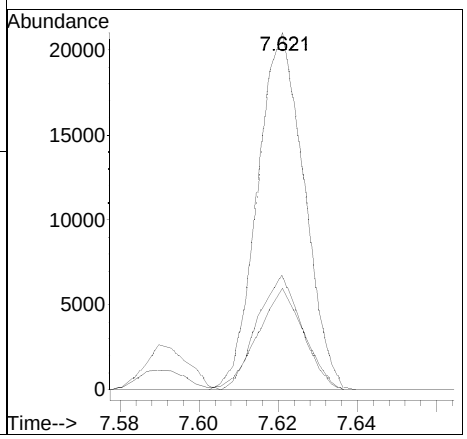


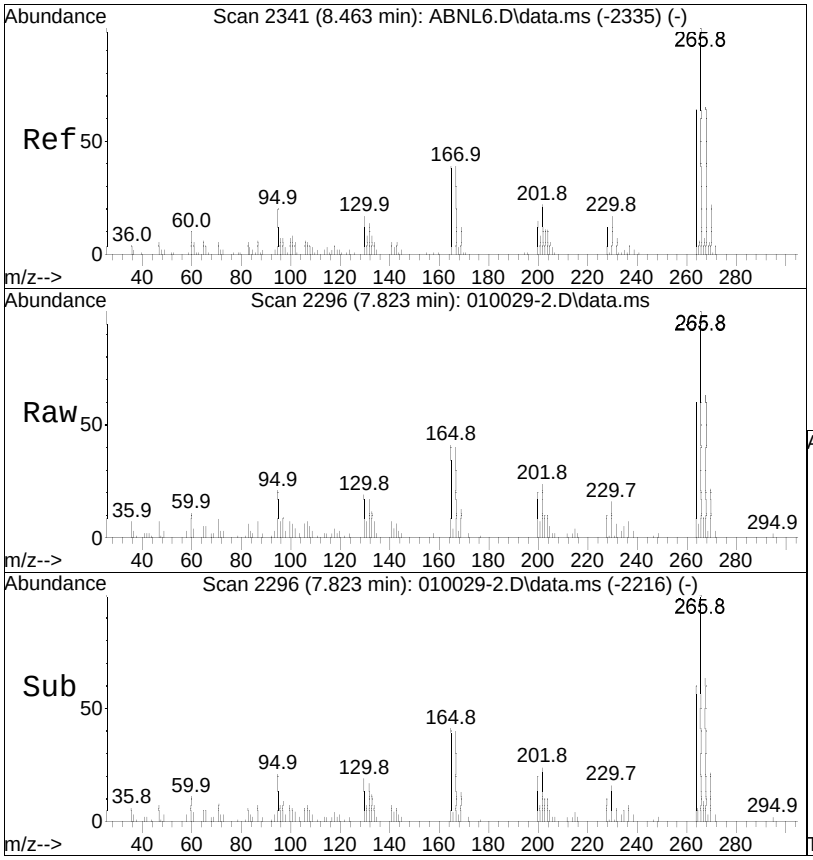


#83
Hexachlorobenzene
Concen: 1.56 ug/ml
RT: 7.621 min Scan# 2231
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:284 Resp: 17234

Ion	Ratio	Lower	Upper
284	100		
142	31.2	41.9	62.9#
249	28.0	24.1	36.1

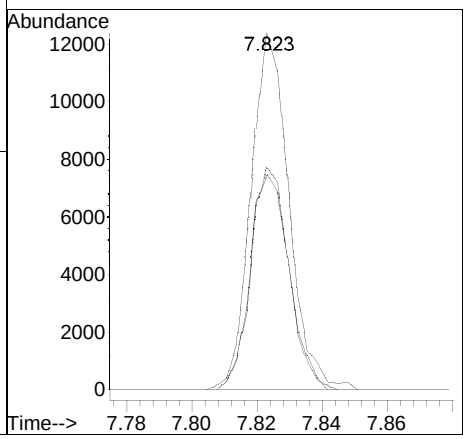


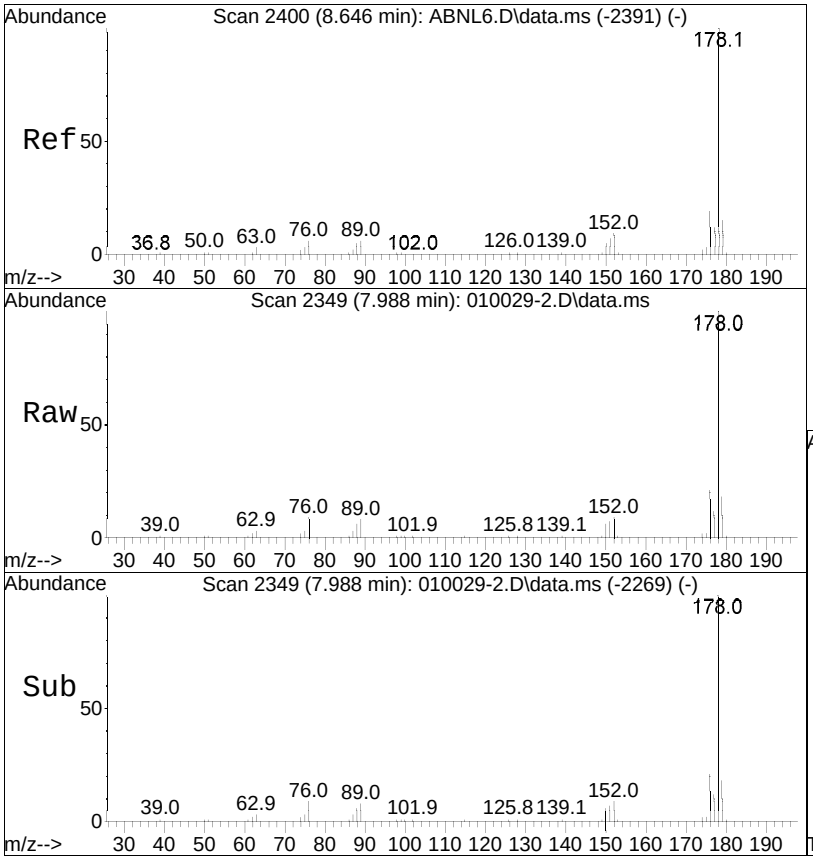


#84
Pentachlorophenol
Concen: 1.68 ug/ml
RT: 7.823 min Scan# 2296
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:266 Resp: 10030

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.7	74.5
268	62.4	50.5	75.7

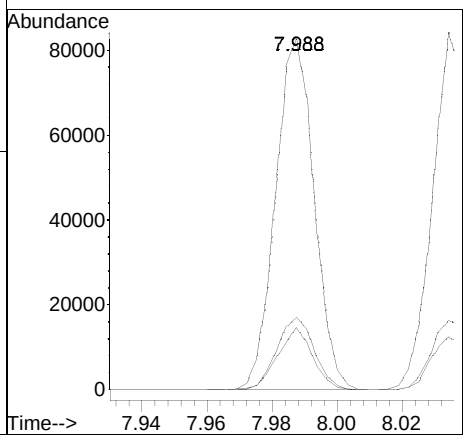


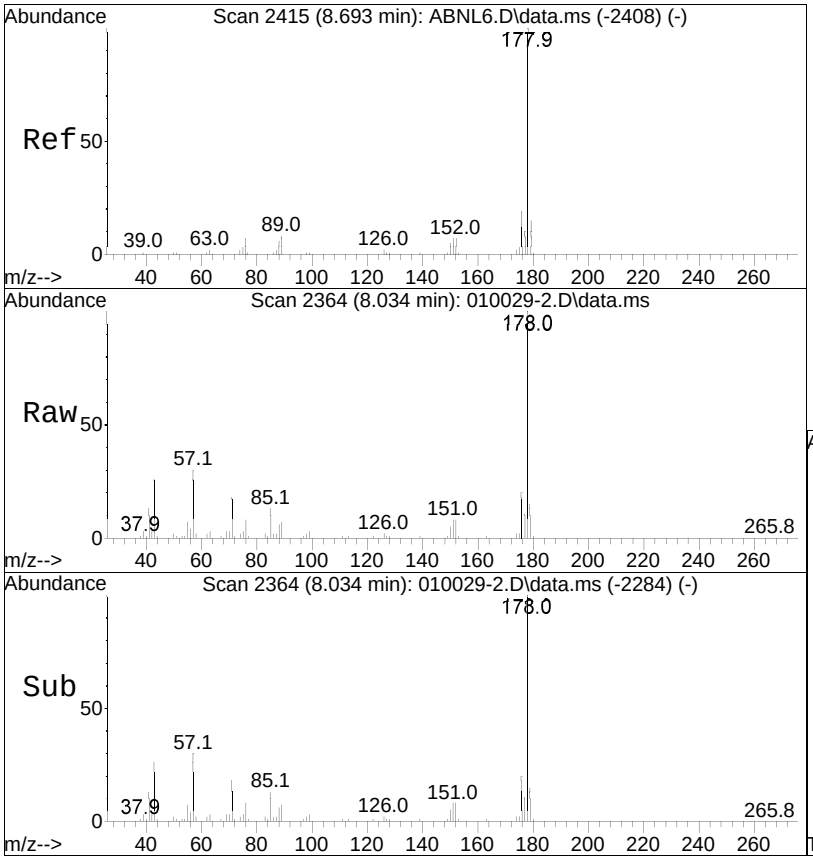


#91
Phenanthrene
Concen: 1.55 ug/ml
RT: 7.988 min Scan# 2349
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:178 Resp: 68085

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.2
176	20.2	15.4	23.2

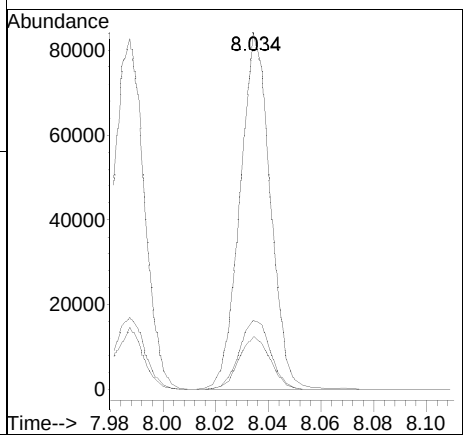


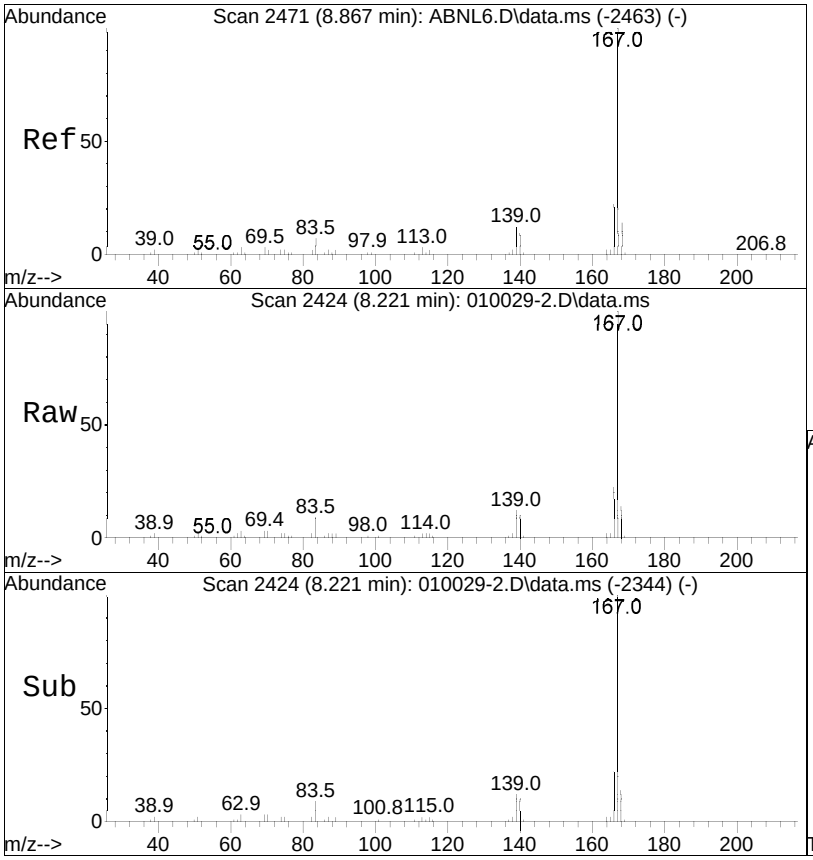


#92
Anthracene
Concen: 1.56 ug/ml
RT: 8.034 min Scan# 2364
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:178 Resp: 67359

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.9	14.6	22.0

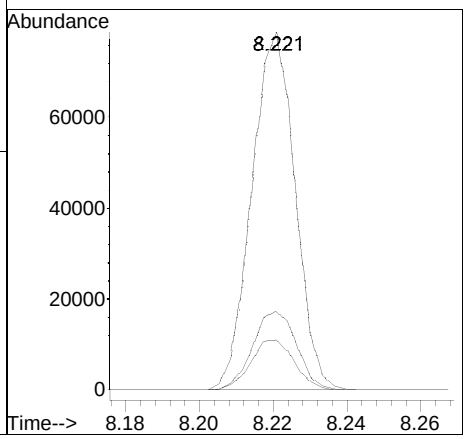


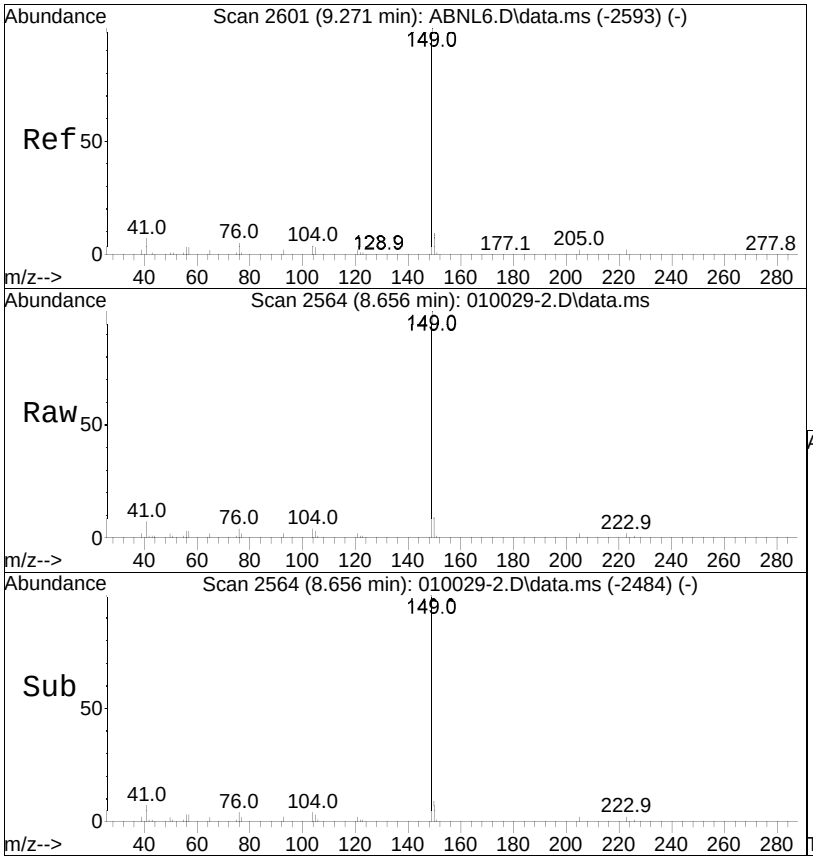


#93
Carbazole
Concen: 1.61 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:167 Resp: 63758

Ion	Ratio	Lower	Upper
167	100		
168	14.2	10.6	15.8
166	22.5	17.4	26.0

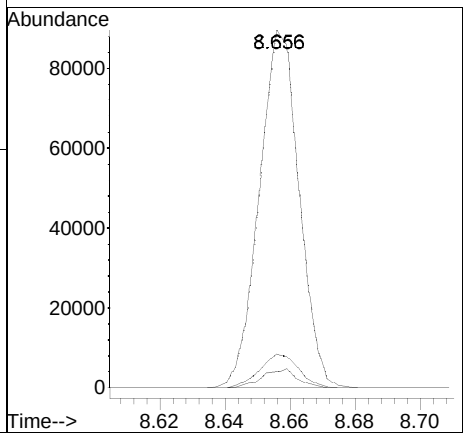


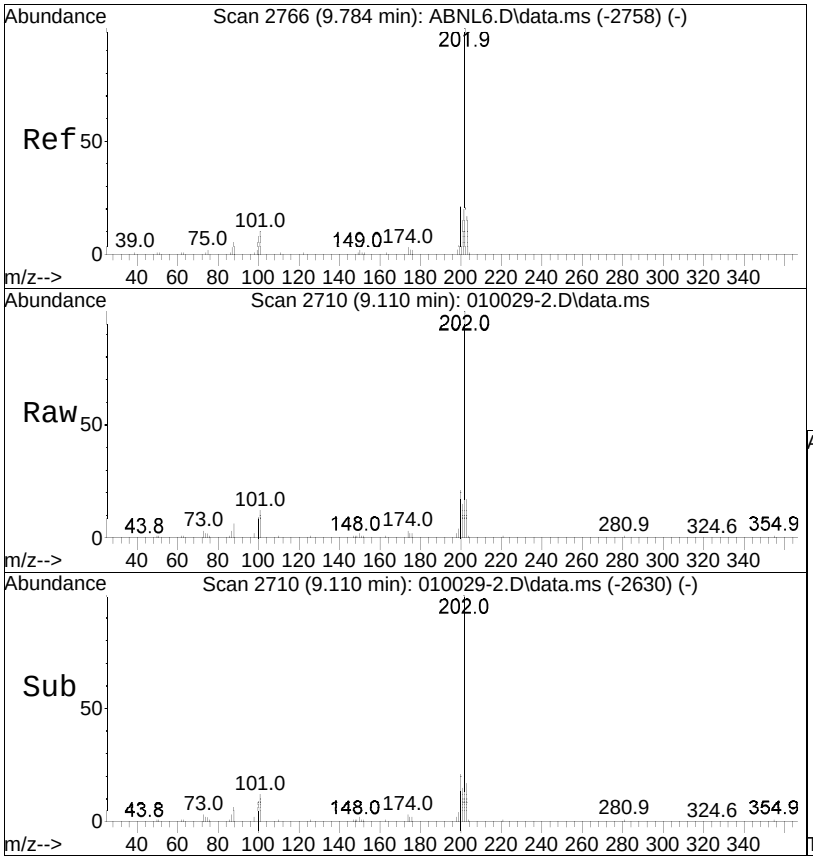


#94
Di-n-butylphthalate
Concen: 1.67 ug/ml
RT: 8.656 min Scan# 2564
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:149 Resp: 75056

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	4.7	4.5	6.7

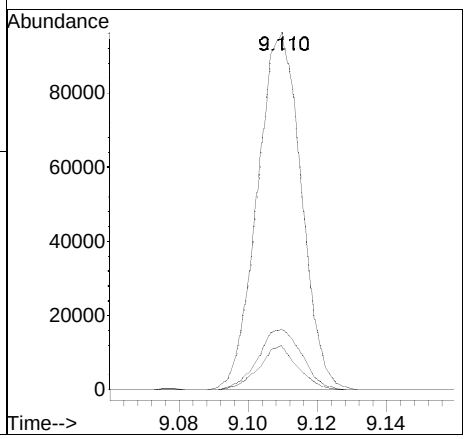


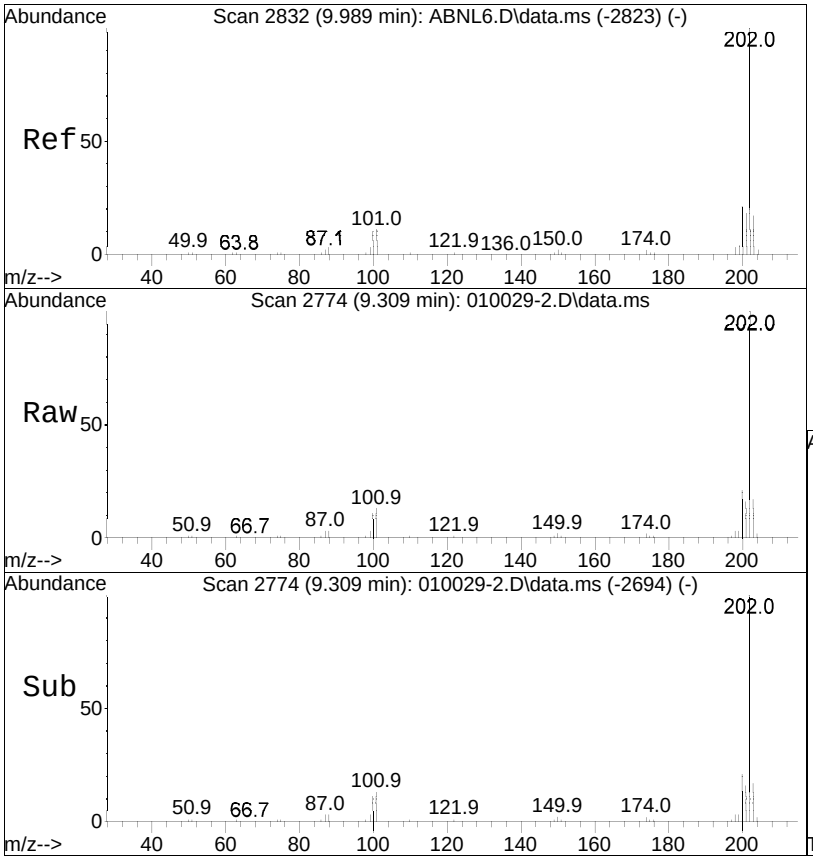


#95
Fluoranthene
Concen: 1.59 ug/ml
RT: 9.110 min Scan# 2710
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:202 Resp: 83984

Ion	Ratio	Lower	Upper
202	100		
101	11.0	13.5	20.3#
203	17.1	13.6	20.4

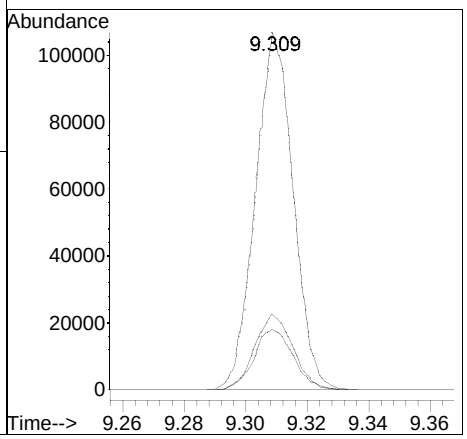


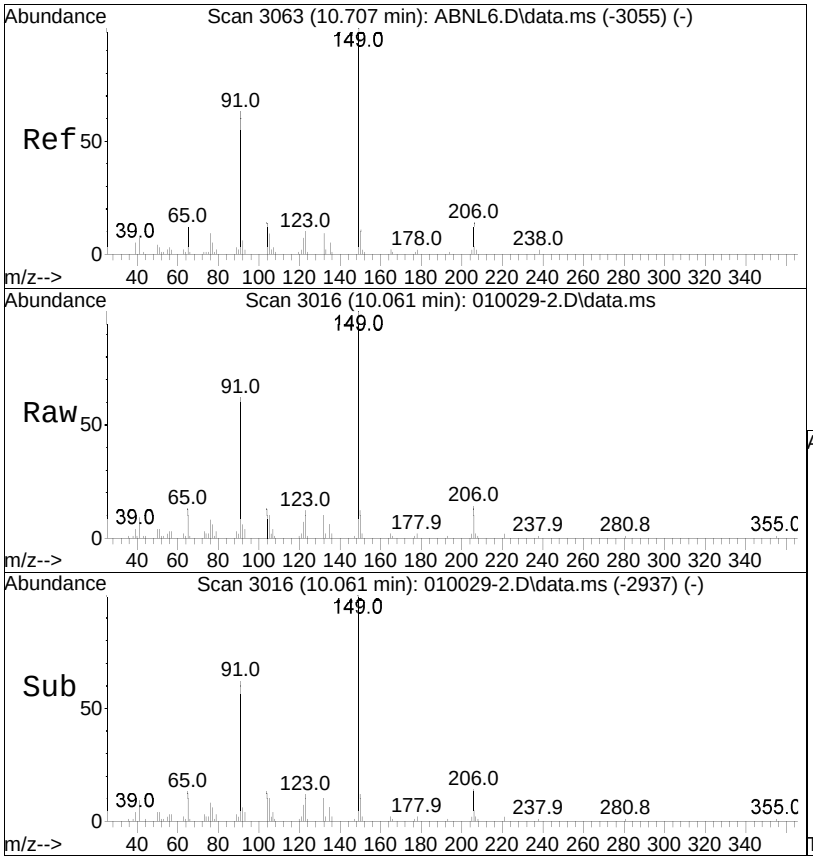


#97
Pyrene
Concen: 1.60 ug/ml
RT: 9.309 min Scan# 2774
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:202 Resp: 90230

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.8	14.2	21.4

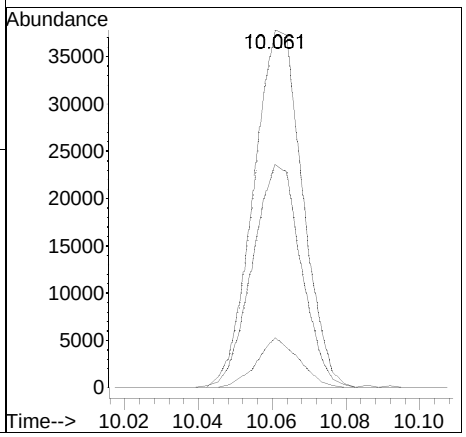


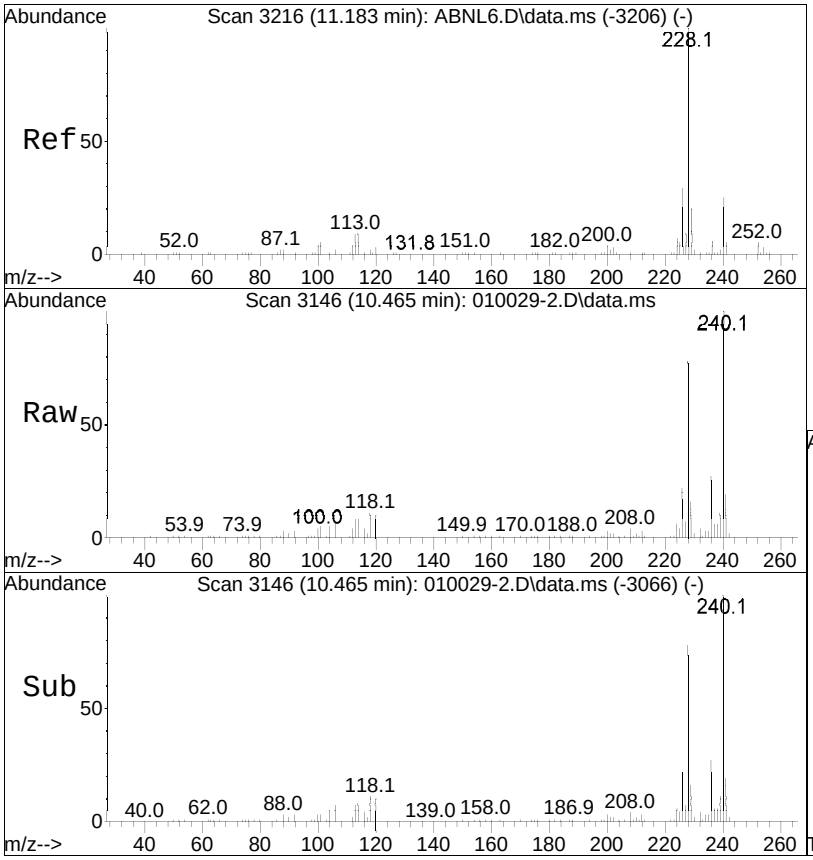


#99
Butyl benzyl phthalate
Concen: 1.81 ug/ml
RT: 10.061 min Scan# 3016
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:149 Resp: 34650

Ion	Ratio	Lower	Upper
149	100		
91	62.2	63.3	94.9#
206	12.0	13.9	20.9#

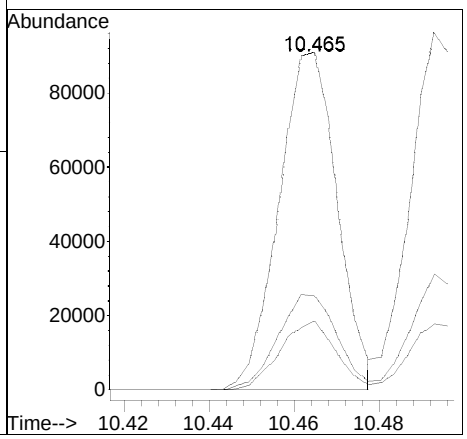


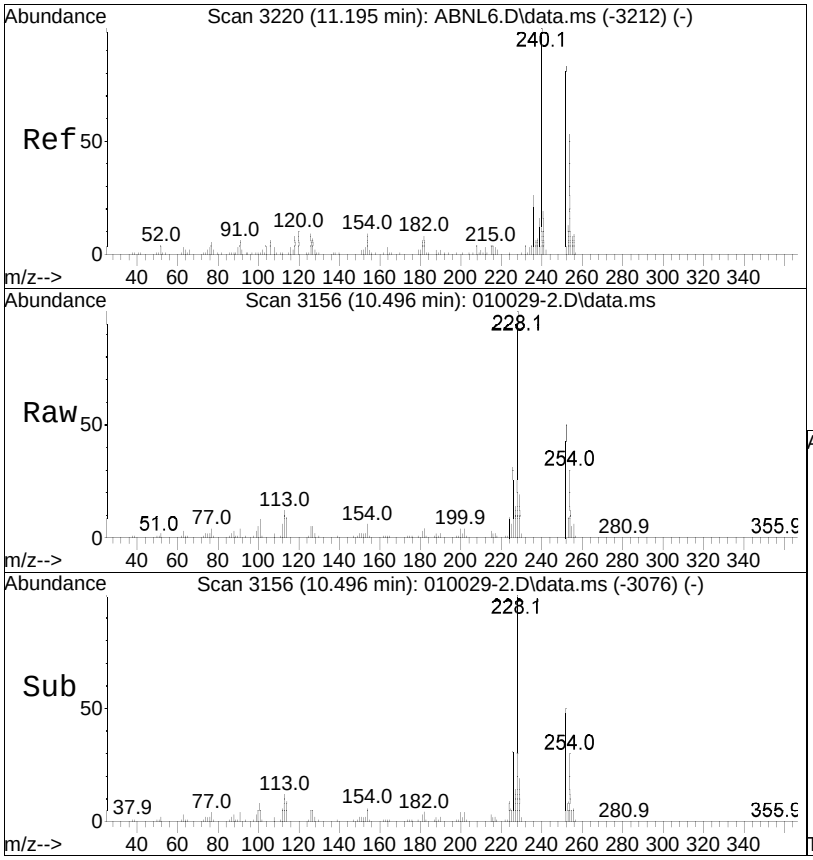


#107
Benzo(a)anthracene
Concen: 1.54 ug/ml
RT: 10.465 min Scan# 3146
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:228 Resp: 86554

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	19.7	15.6	23.4

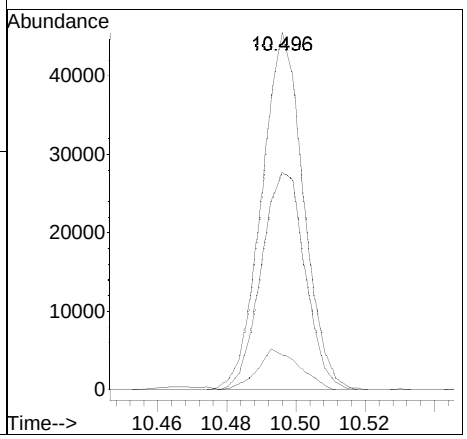


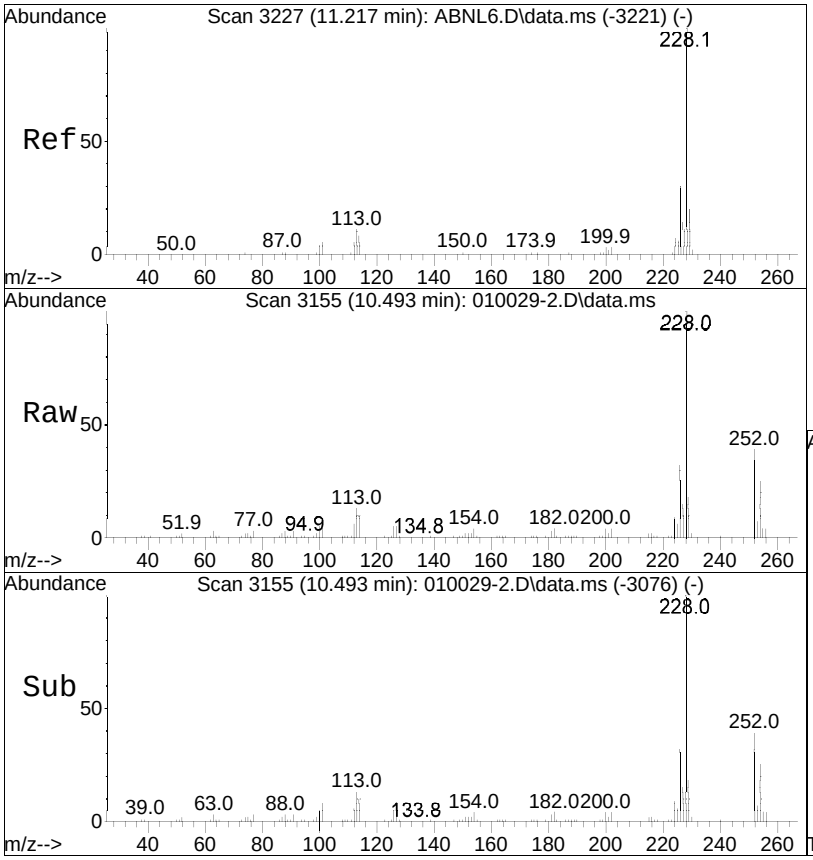


#108
3,3'-Dichlorobenzidine
Concen: 1.82 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:252 Resp: 38062

Ion	Ratio	Lower	Upper
252	100		
126	11.6	14.5	21.7#
254	64.0	51.2	76.8

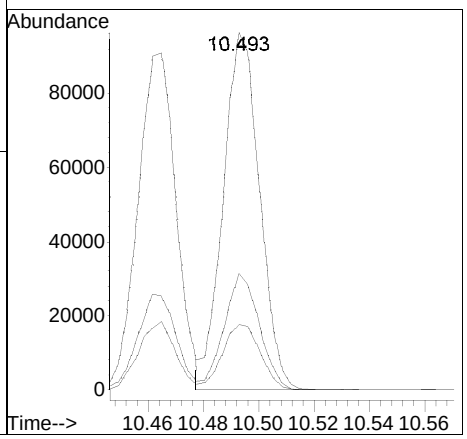


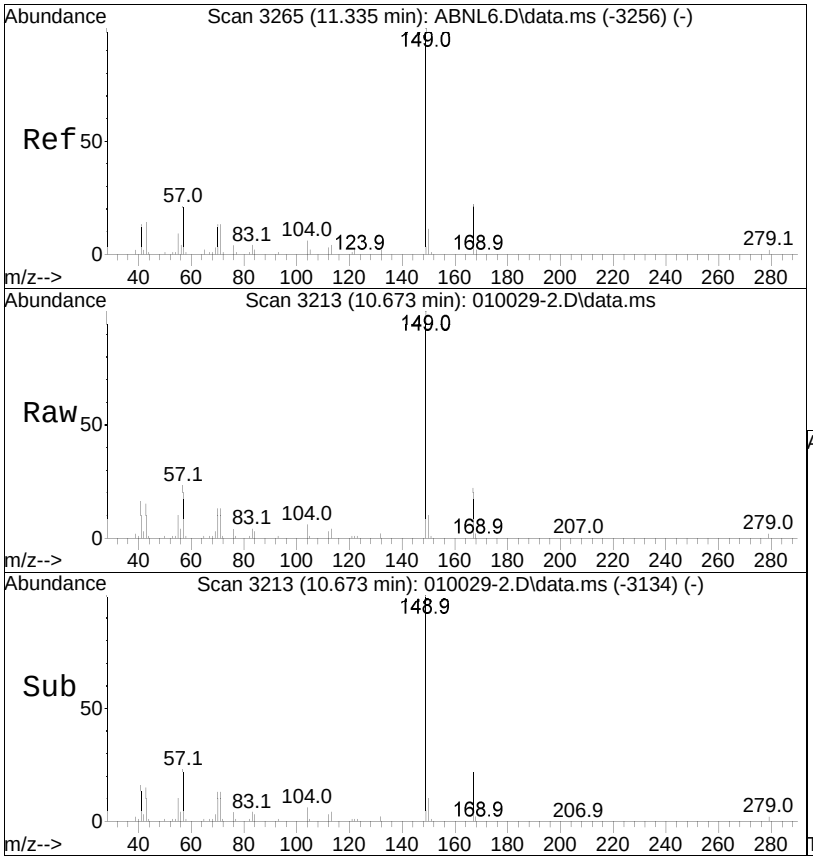


#109
Chrysene
Concen: 1.57 ug/ml
RT: 10.493 min Scan# 3155
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:228 Resp: 87827

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	19.1	15.8	23.8

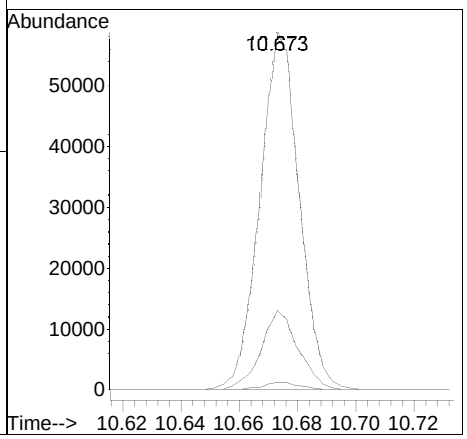


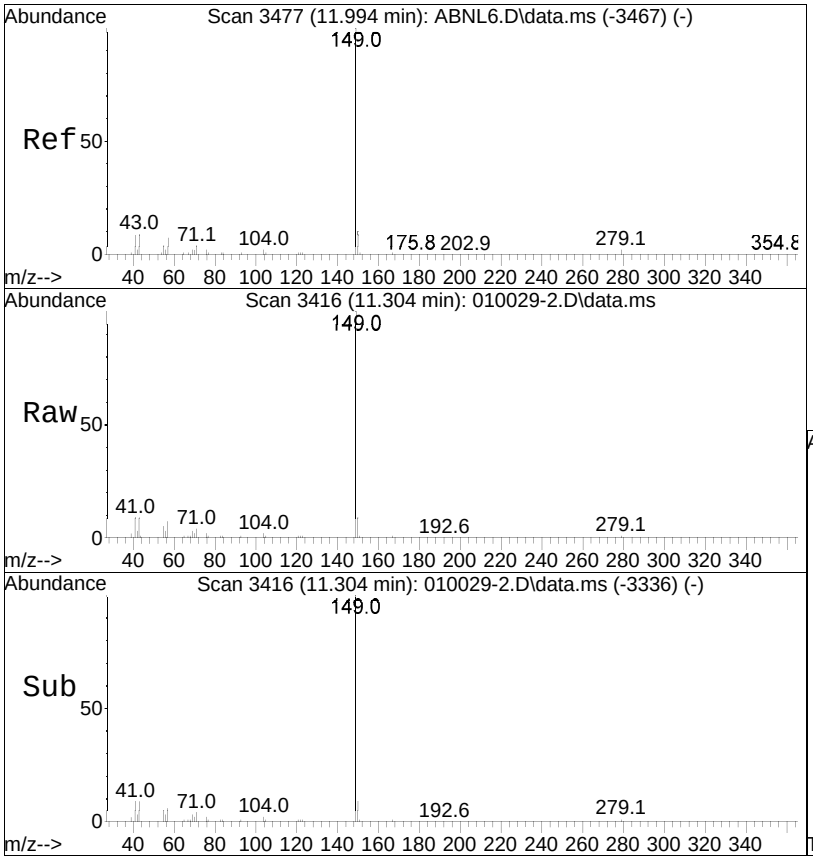


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.81 ug/ml
RT: 10.673 min Scan# 3213
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:149 Resp: 54480

Ion	Ratio	Lower	Upper
149	100		
167	20.9	22.1	33.1#
279	1.6	3.0	4.4#

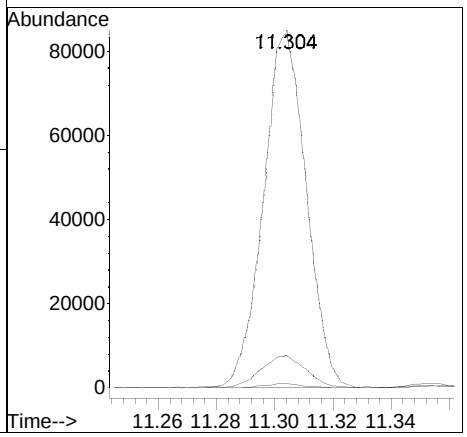


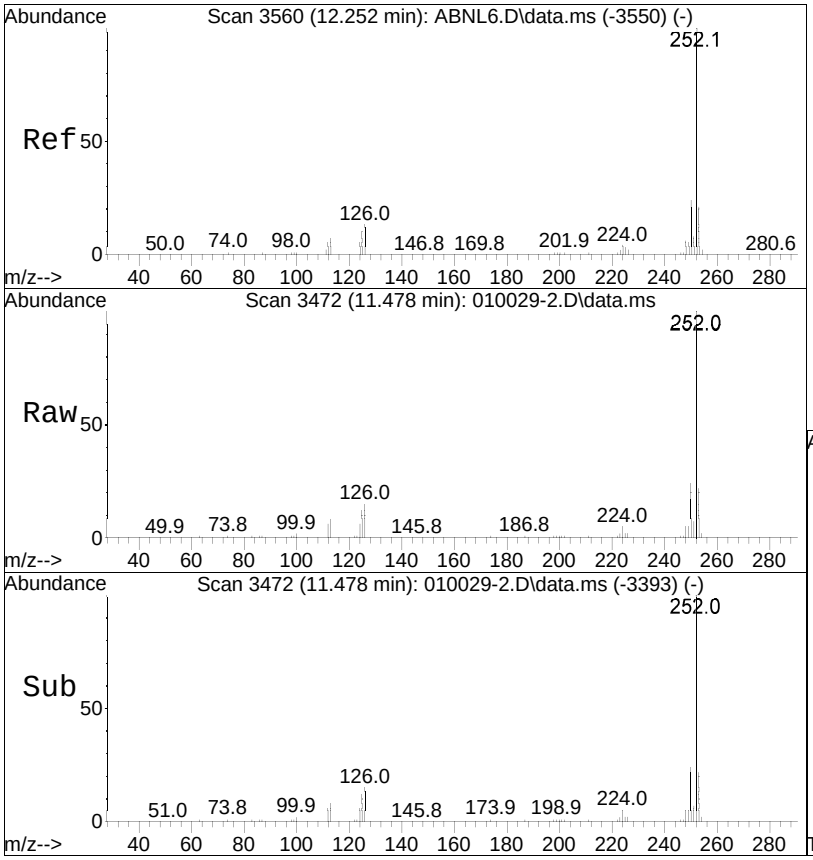


#111
Di-n-octylphthalate
Concen: 1.71 ug/ml
RT: 11.304 min Scan# 3416
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:149 Resp: 85653

Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.1	1.3	1.9#

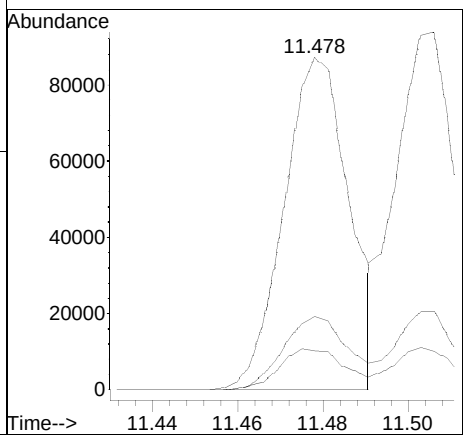


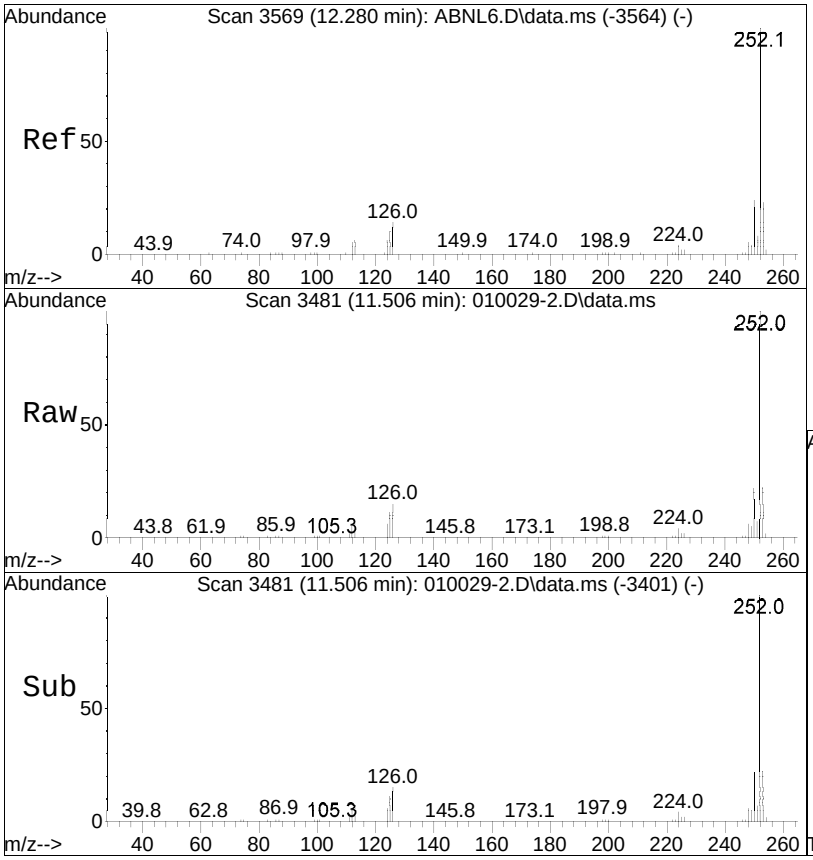


#112
Benzo(b)fluoranthene
Concen: 1.58 ug/ml
RT: 11.478 min Scan# 3472
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:252 Resp: 92903

Ion	Ratio	Lower	Upper
252	100		
125	12.6	13.3	19.9#
253	22.0	17.1	25.7

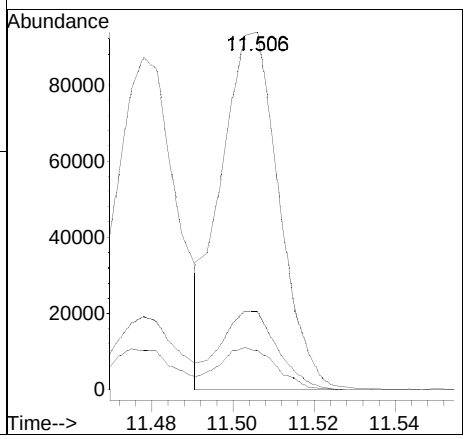


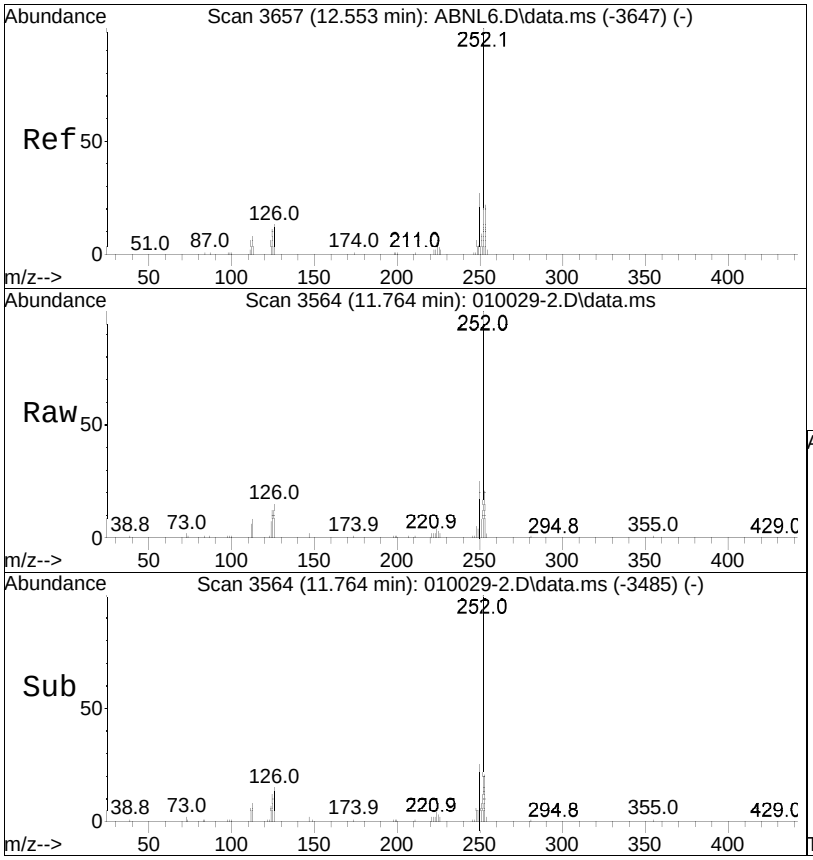


#113
Benzo(k)fluoranthene
Concen: 1.63 ug/ml M3
RT: 11.506 min Scan# 3481
Delta R.T. -0.000 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:252 Resp: 93511

Ion	Ratio	Lower	Upper
252	100		
125	16.1	13.0	19.6
253	21.2	16.8	25.2

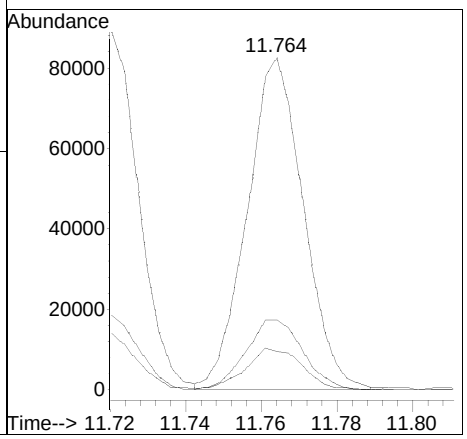


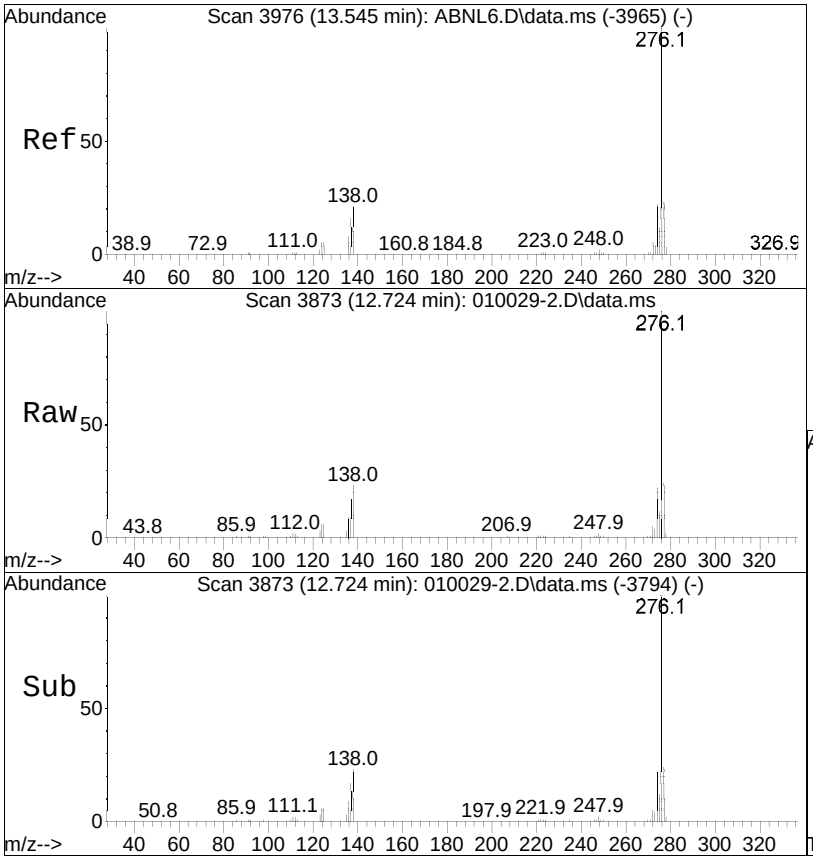


#114
Benzo(a)pyrene
Concen: 1.63 ug/ml M3
RT: 11.764 min Scan# 3564
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:252 Resp: 85359

Ion	Ratio	Lower	Upper
252	100		
125	17.6	14.2	21.2
253	23.2	16.9	25.3

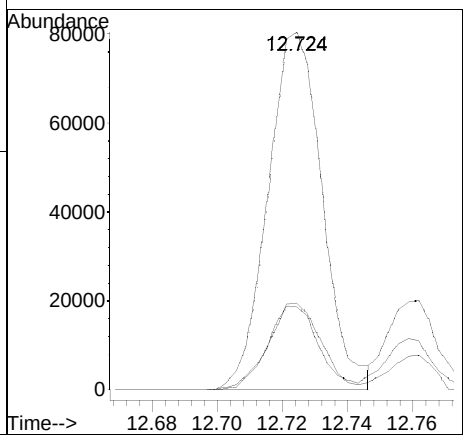


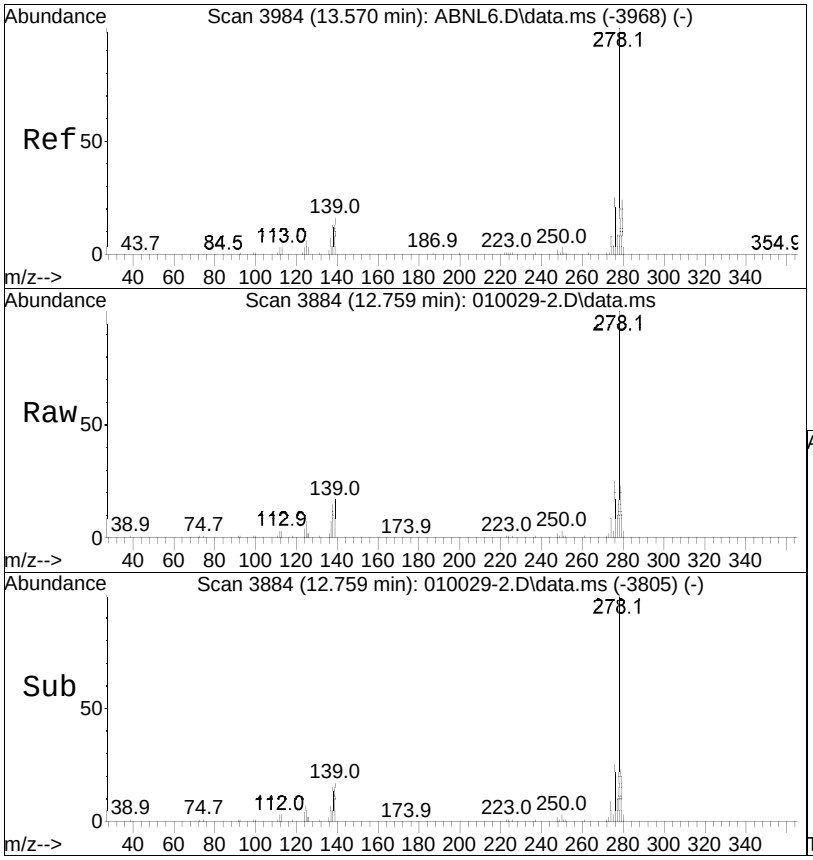


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.52 ug/mL
RT: 12.724 min Scan# 3873
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:276 Resp: 92468

Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.1	37.7#
277	23.5	18.6	28.0

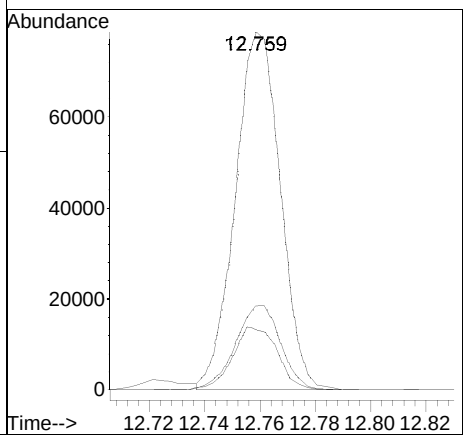


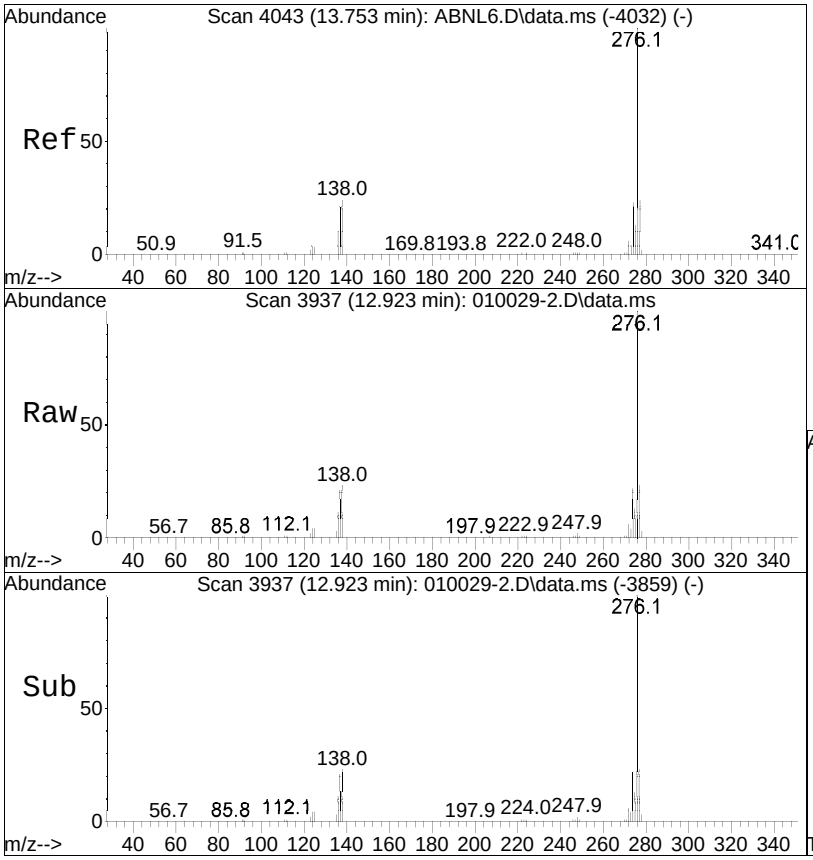


#117
Dibenzo(a,h)anthracene
Concen: 1.48 ug/ml
RT: 12.759 min Scan# 3884
Delta R.T. -0.003 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:278 Resp: 88456

Ion	Ratio	Lower	Upper
278	100		
139	17.6	20.8	31.2#
279	23.9	18.3	27.5

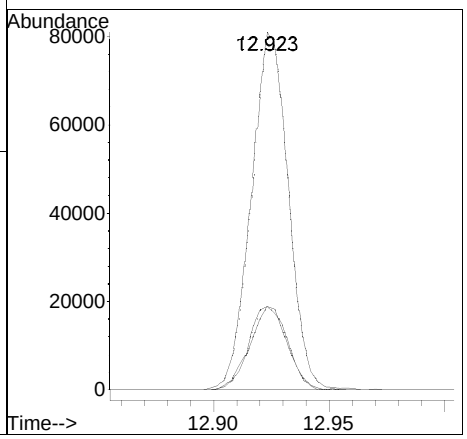




#118
Benzo(ghi)perylene
Concen: 1.52 ug/ml
RT: 12.923 min Scan# 3937
Delta R.T. -0.006 min
Lab File: 010029-2.D
Acq: 17 Dec 2024 10:53 pm

Tgt Ion:276 Resp: 89527

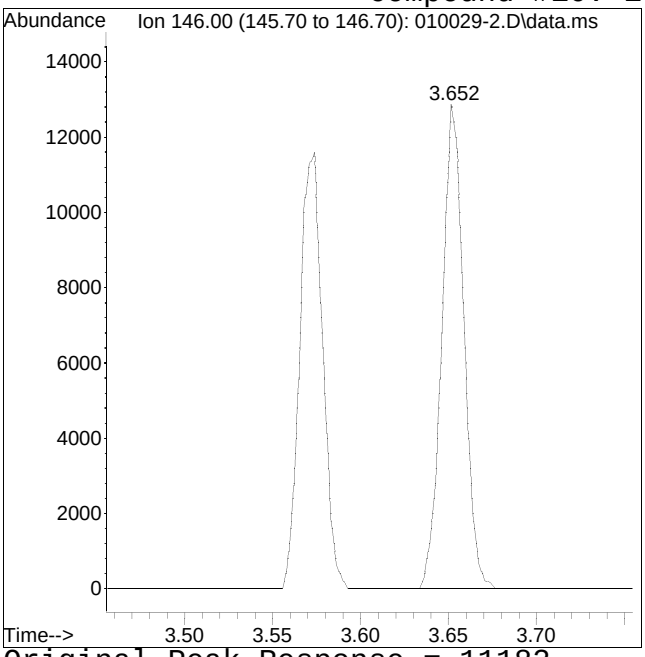
Ion	Ratio	Lower	Upper
276	100		
138	24.6	29.2	43.8#
277	23.7	18.8	28.2



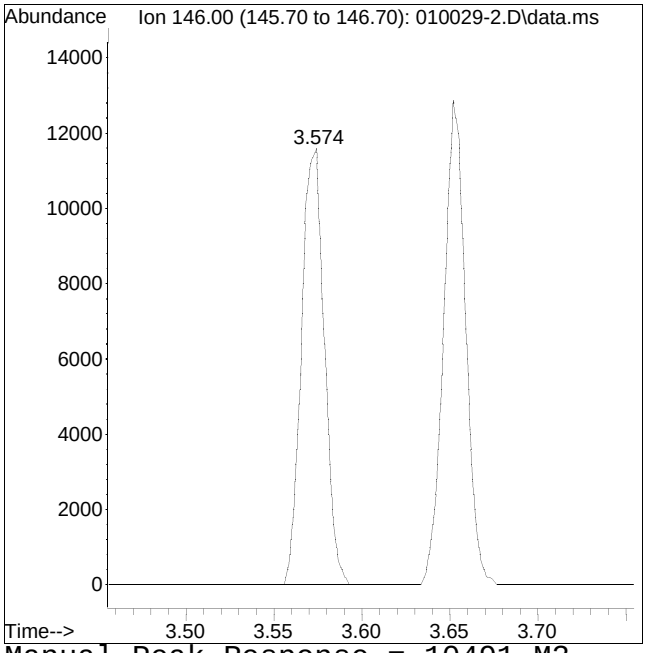
Manual Integration Report

Data Path : I:\8270\Dakota\241217RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 010029-2.D Operator : Dakota:smz
Date Inj'd : 12/17/2024 10:53 pm Instrument : Dakota
Sample : WG2010029-2,32,,ASK Quant Date : 12/17/2024 11:11 pm

Compound #10: 1,3-Dichlorobenzene



Original Peak Response = 11182



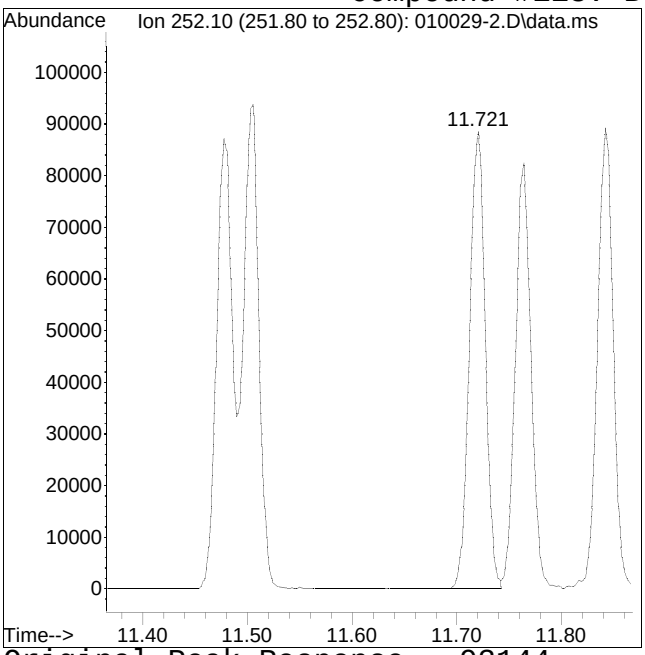
Manual Peak Response = 10491 M3

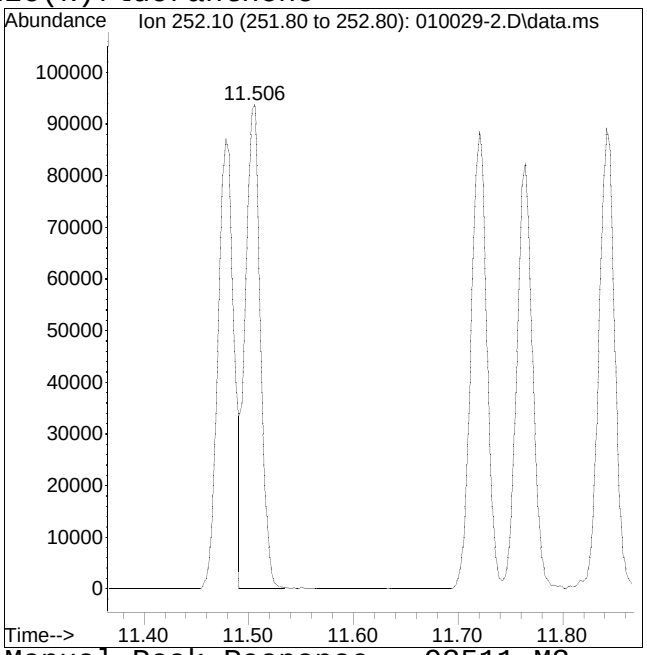
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241217RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 010029-2.D Operator : Dakota:smz
Date Inj'd : 12/17/2024 10:53 pm Instrument : Dakota
Sample : WG2010029-2,32,,ASK Quant Date : 12/17/2024 11:11 pm

Compound #113: Benzo(k)fluoranthene



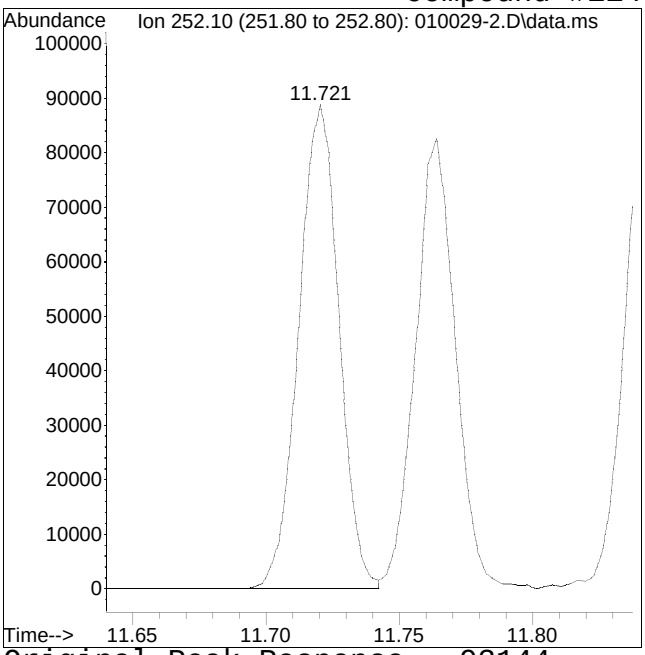


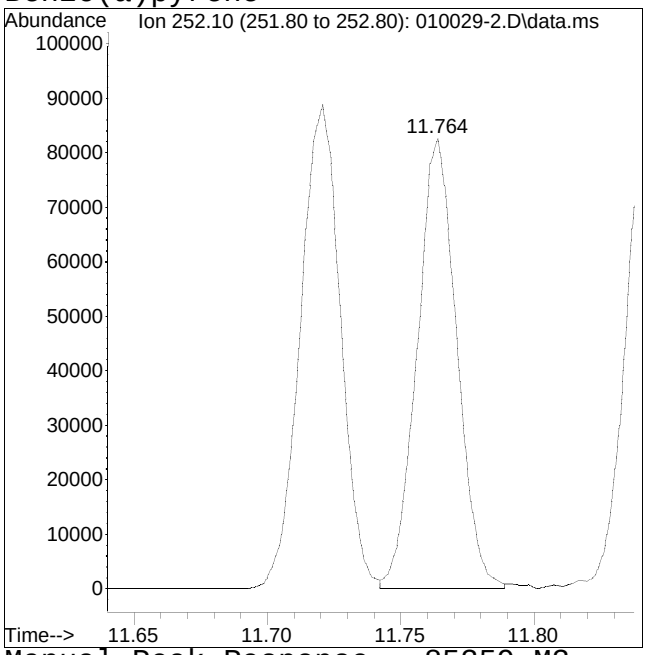
Original Peak Response = 93144 Manual Peak Response = 93511 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241217RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 010029-2.D Operator : Dakota:smz
Date Inj'd : 12/17/2024 10:53 pm Instrument : Dakota
Sample : WG2010029-2,32,,ASK Quant Date : 12/17/2024 11:11 pm

Compound #114: Benzo(a)pyrene





Original Peak Response = 93144 Manual Peak Response = 85359 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-2.D
Acq On : 19 Dec 2024 1:05 am
Operator : SV106:im
Sample : WG2010761-2,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 10:14:26 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.639	152	63456	4.000	ug/ml	0.00
Standard Area 1 = 49612			Recovery = 127.90%			
27) IS2_1,4-Dichlorobenzen...	6.639	152	63456	4.000	ug/ml	0.00
Standard Area 3 = 57665			Recovery = 110.04%			
32) IS3_1,4-Dichlorobenzen...	6.639	152	63456	4.000	ug/ml	0.00
Standard Area 2 = 50150			Recovery = 126.53%			
35) IS1_Naphthalene-d8	8.045	136	238341	4.000	ug/ml	0.00
Standard Area 1 = 183058			Recovery = 130.20%			
55) IS2_Naphthalene-d8	8.045	136	238341	4.000	ug/ml	0.00
Standard Area 3 = 207211			Recovery = 115.02%			
63) IS1_Acenaphthene-d10	9.804	164	144128	4.000	ug/ml	0.00
Standard Area 1 = 122903			Recovery = 117.27%			
83) IS2_Acenaphthene-d10	9.804	164	144128	4.000	ug/ml	0.00
Standard Area 3 = 120872			Recovery = 119.24%			
86) IS3_Acenaphthene-d10	9.804	164	144128	4.000	ug/ml	0.00
Standard Area 2 = 113815			Recovery = 126.63%			
88) IS1_Phenanthrene-d10	11.245	188	288611	4.000	ug/ml	0.00
Standard Area 1 = 229574			Recovery = 125.72%			
100) IS3_Phenanthrene-d10	11.245	188	288611	4.000	ug/ml	0.00
Standard Area 2 = 236979			Recovery = 121.79%			
104) IS1_Chrysene-d12	13.904	240	320038	4.000	ug/ml	0.00
Standard Area 1 = 264435			Recovery = 121.03%			
113) IS1_Perylene-d12	15.380	264	364602	4.000	ug/ml	0.00
Standard Area 1 = 304444			Recovery = 119.76%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.851	112	16326	0.827	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.35%			
7) Phenol-d6	6.269	99	15137	0.637	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.85%			
19) Nitrobenzene-d5	7.286	82	12375	0.574	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.40%			
46) 2-Fluorobiphenyl	9.163	172	32887	0.596	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.60%			
79) 2,4,6-Tribromophenol	10.575	330	10774	1.321	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 66.05%			

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-2.D
Acq On : 19 Dec 2024 1:05 am
Operator : SV106:im
Sample : WG2010761-2,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 10:14:26 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.833	244	55665	0.719	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.90%			
Target Compounds						Qvalue
6) 2-Chlorophenol	6.387	128	23797	1.099	ug/ml#	88
8) Phenol	6.287	94	16058	0.651	ug/ml	96
9) Bis(2-chloroethyl)ether	6.369	93	21312	1.049	ug/ml	94
10) 1,3-Dichlorobenzene	6.569	146	25457	0.962	ug/ml	96
11) 1,4-Dichlorobenzene	6.663	146	26110	0.968	ug/ml	99
12) 1,2-Dichlorobenzene	6.834	146	25735	0.995	ug/ml	96
13) Benzyl alcohol	6.839	79	18440	1.096	ug/ml	97
14) Bis(2-chloroisopropyl)...	7.010	45	24773	0.775	ug/ml#	29
15) 2-Methylphenol	7.004	108	19696	1.105	ug/ml	99
16) Hexachloroethane	7.222	117	8813	0.905	ug/ml#	56
17) n-Nitrosodi-n-propylamine	7.157	70	16505	1.107	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.181	108	20474	1.053	ug/ml	97
20) Nitrobenzene	7.304	77	23441	1.064	ug/ml	93
21) Isophorone	7.581	82	43688	1.140	ug/ml	98
22) 2-Nitrophenol	7.657	139	13475	1.192	ug/ml#	84
23) 2,4-Dimethylphenol	7.751	107	14442	0.814	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.845	93	29215	1.141	ug/ml#	96
25) 2,4-Dichlorophenol	7.922	162	23965	1.209	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.998	180	22612	0.984	ug/ml	96
29) Acetophenone	7.128	105	37905	1.307	ug/ml#	81
36) Naphthalene	8.069	128	68335	1.016	ug/ml	100
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	8.145	65	5656M3	0.749	ug/ml	
39) Hexachlorobutadiene	8.233	225	13377	0.940	ug/ml	97
40) p-Chloro-m-cresol	8.663	107	23284	1.319	ug/ml	93
41) 2-Methylnaphthalene	8.781	142	46345	1.034	ug/ml	95
43) Hexachlorocyclopentadiene	8.957	237	9345	0.599	ug/ml	98
44) 2,4,6-Trichlorophenol	9.075	196	20124	1.227	ug/ml	97
45) 2,4,5-Trichlorophenol	9.104	196	22609	1.332	ug/ml	96
47) 2-Chloronaphthalene	9.263	162	49350	1.056	ug/ml	97
48) 2-Nitroaniline	9.369	138	18906	1.421	ug/ml#	77
51) Dimethyl phthalate	9.575	163	76687	1.407	ug/ml	99
52) Acenaphthylene	9.663	152	80285	1.152	ug/ml	99

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-2.D
Acq On : 19 Dec 2024 1:05 am
Operator : SV106:im
Sample : WG2010761-2,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 10:14:26 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	9.616	165	15687	1.416	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	8.957	216	26512	1.107	ug/ml	98
62) Biphenyl	9.257	154	64591	1.195	ug/ml	99
64) 3-Nitroaniline	9.775	138	15594	1.340	ug/ml	86
65) Acenaphthene	9.839	154	49030	1.176	ug/ml	91
66) 2,4-Dinitrophenol	9.875	184	7163	1.973	ug/ml#	88
67) Dibenzofuran	10.010	168	82765	1.227	ug/ml	97
68) 2,4-Dinitrotoluene	10.004	165	22144	1.466	ug/ml	83
69) 4-Nitrophenol	9.957	65	7646	0.888	ug/ml#	66
72) Diethyl phthalate	10.269	149	76455	1.398	ug/ml	98
73) Fluorene	10.339	166	67859	1.288	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.357	204	34132	1.262	ug/ml	90
75) 4-Nitroaniline	10.363	138	17625	1.488	ug/ml#	73
76) 4,6-Dinitro-o-cresol	10.398	198	13164	1.542	ug/ml#	55
77) NDPA/DPA	10.475	169	63392	1.395	ug/ml	98
80) 4-Bromophenyl phenyl e...	10.827	248	21685	1.295	ug/ml#	83
81) Hexachlorobenzene	10.880	284	25934	1.367	ug/ml#	82
82) Pentachlorophenol	11.074	266	15172	1.322	ug/ml	99
89) Phenanthrene	11.269	178	110530	1.305	ug/ml	99
90) Anthracene	11.316	178	112339	1.330	ug/ml	99
91) Carbazole	11.486	167	104040	1.368	ug/ml	98
92) Di-n-butylphthalate	11.869	149	134395	1.412	ug/ml	99
93) Fluoranthene	12.427	202	134235	1.375	ug/ml#	91
95) Pyrene	12.645	202	144924	1.407	ug/ml	99
97) Butyl benzyl phthalate	13.357	149	59919	1.498	ug/ml#	82
105) Benzo(a)anthracene	13.892	228	148016	1.341	ug/ml	98
106) 3,3'-Dichlorobenzidine	13.886	252	54676	1.508	ug/ml#	96
107) Chrysene	13.927	228	143308	1.353	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	13.998	149	96679	1.459	ug/ml#	94
109) Di-n-octylphthalate	14.686	149	163292	1.486	ug/ml#	68
110) Benzo(b)fluoranthene	15.009	252	151576	1.423	ug/ml#	93
111) Benzo(k)fluoranthene	15.033	252	145842	1.470	ug/ml#	94
112) Benzo(a)pyrene	15.327	252	138449M3	1.498	ug/ml	
114) Indeno(1,2,3-cd)pyrene	16.392	276	166425M6	1.506	ug/mL	
115) Dibenzo(a,h)anthracene	16.415	278	157551	1.499	ug/ml#	88
116) Benzo(ghi)perylene	16.662	276	148279	1.506	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-2.D
Acq On : 19 Dec 2024 1:05 am
Operator : SV106:im
Sample : WG2010761-2,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 10:14:26 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

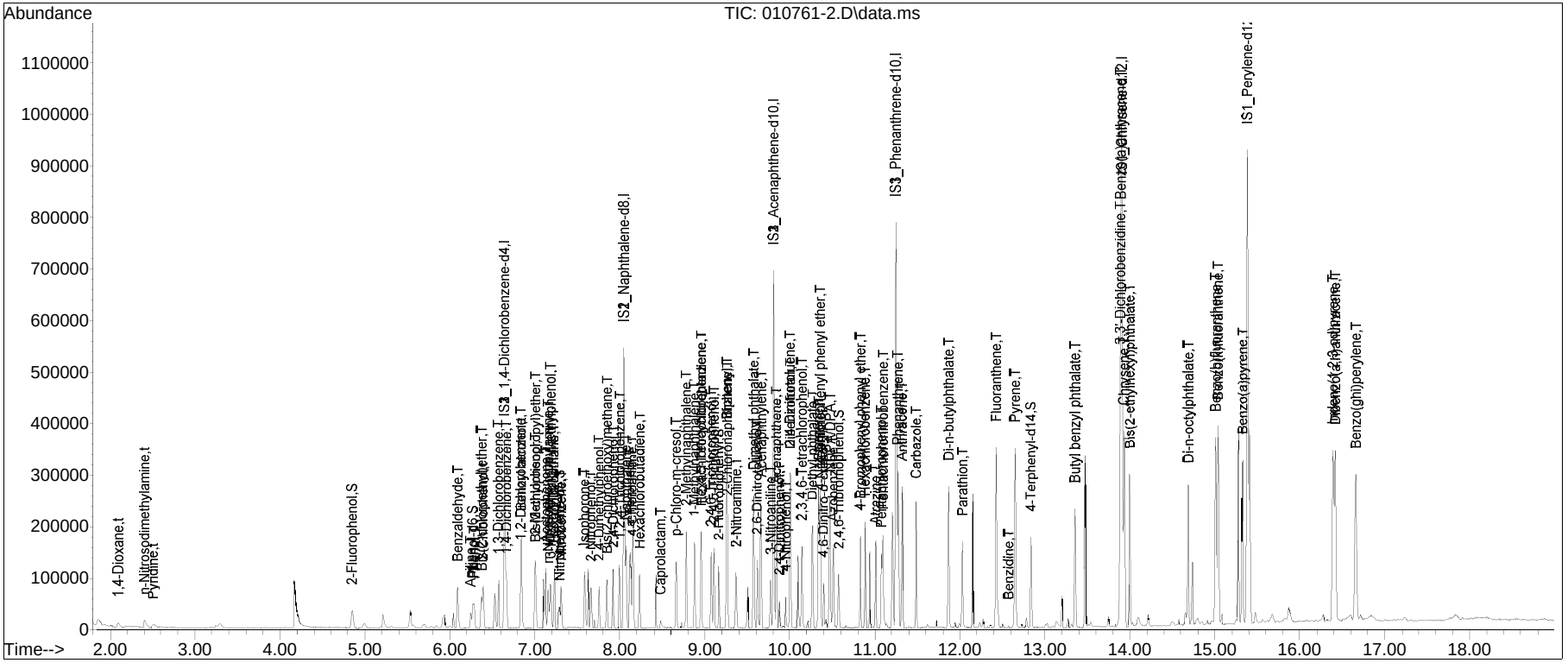
(#) = qualifier out of range (m) = manual integration (+) = signals summed

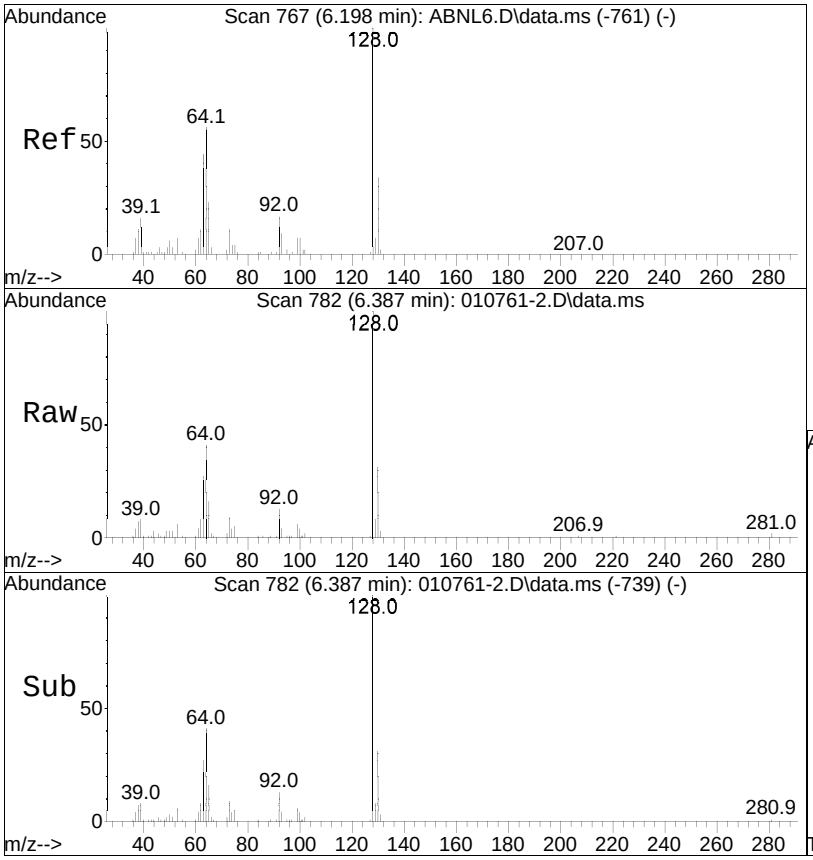
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-2.D
Acq On : 19 Dec 2024 1:05 am
Operator : SV106:im
Sample : WG2010761-2,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 10:14:26 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91218.D•

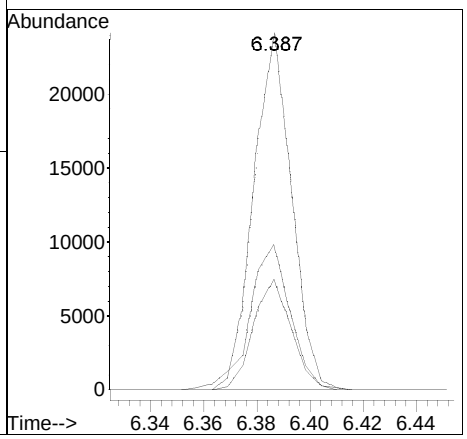


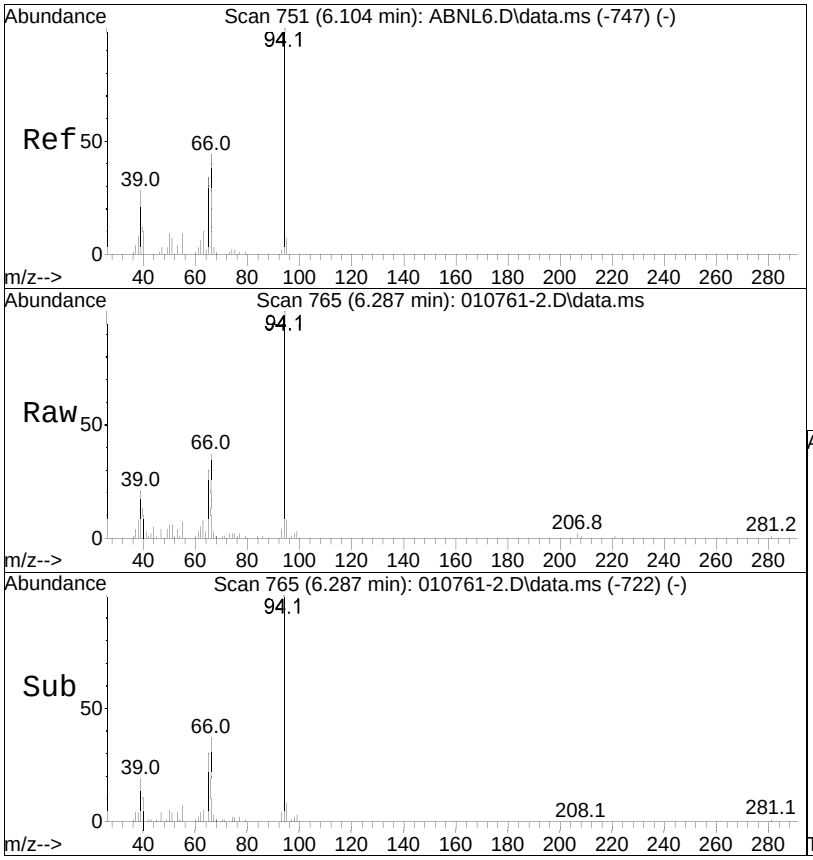


#6
2-Chlorophenol
Concen: 1.10 ug/ml
RT: 6.387 min Scan# 782
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:128 Resp: 23797

Ion	Ratio	Lower	Upper
128	100		
64	43.3	45.1	67.7#
130	31.3	26.2	39.4

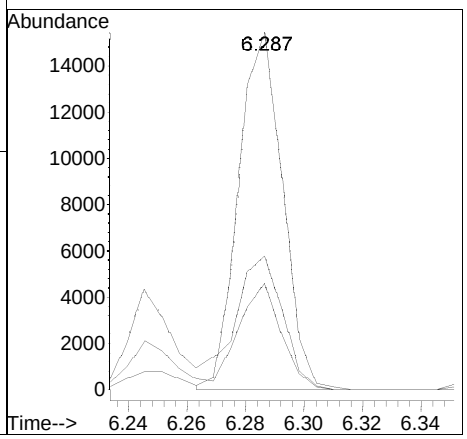


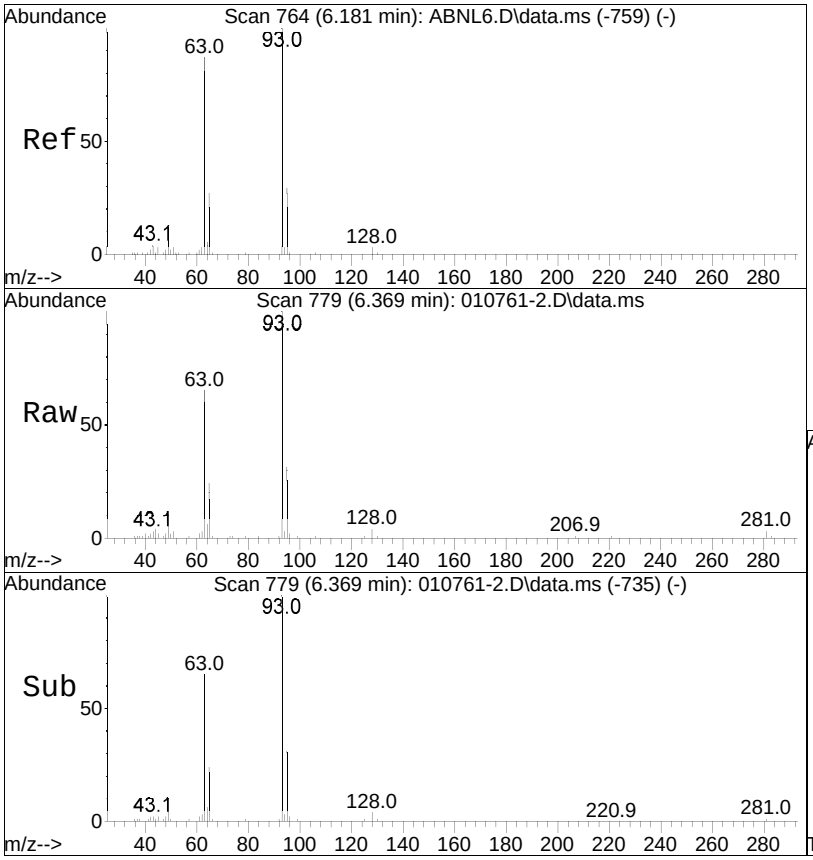


#8
Phenol
Concen: 0.65 ug/ml
RT: 6.287 min Scan# 765
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 94 Resp: 16058

Ion	Ratio	Lower	Upper
94	100		
65	28.8	26.0	39.0
66	41.2	33.8	50.8

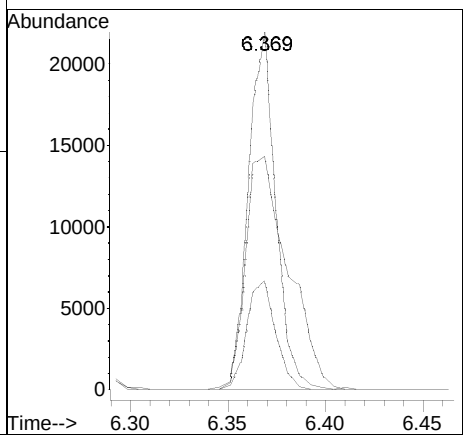


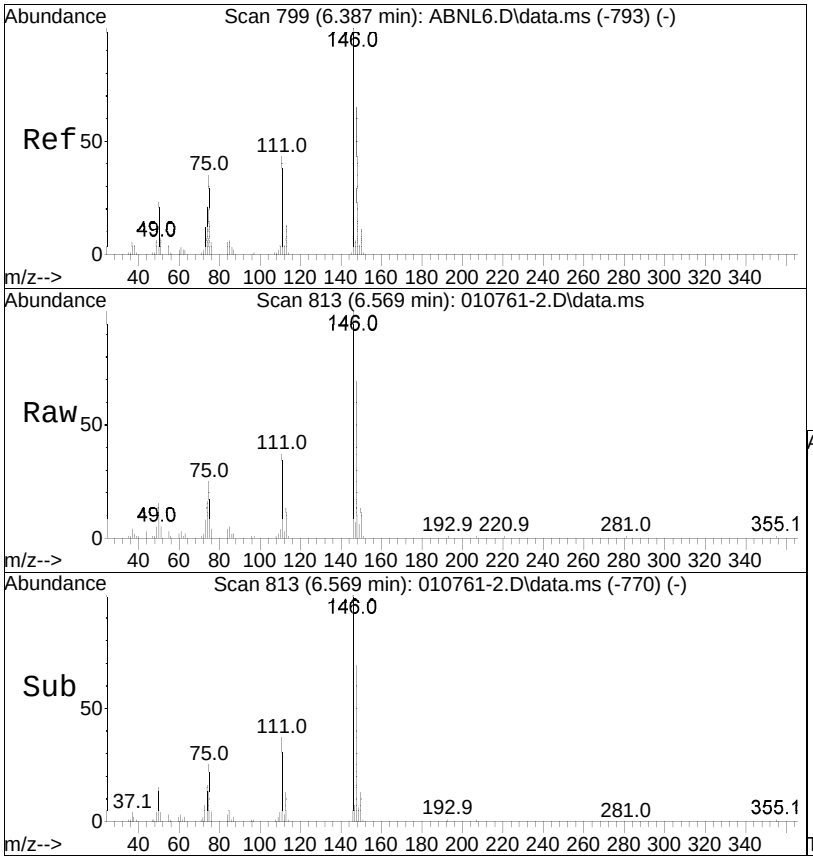


#9
Bis(2-chloroethyl)ether
Concen: 1.05 ug/ml
RT: 6.369 min Scan# 779
Delta R.T. 0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 93 Resp: 21312

Ion	Ratio	Lower	Upper
93	100		
63	100.4	74.6	111.8
95	32.0	25.9	38.9

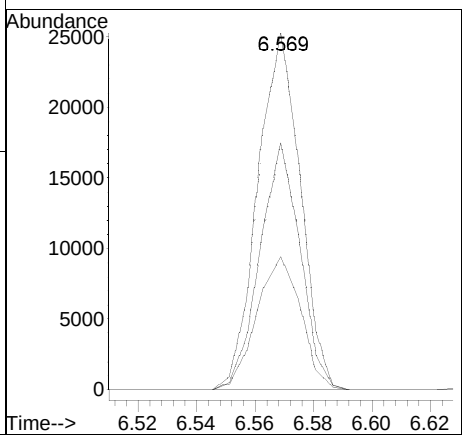


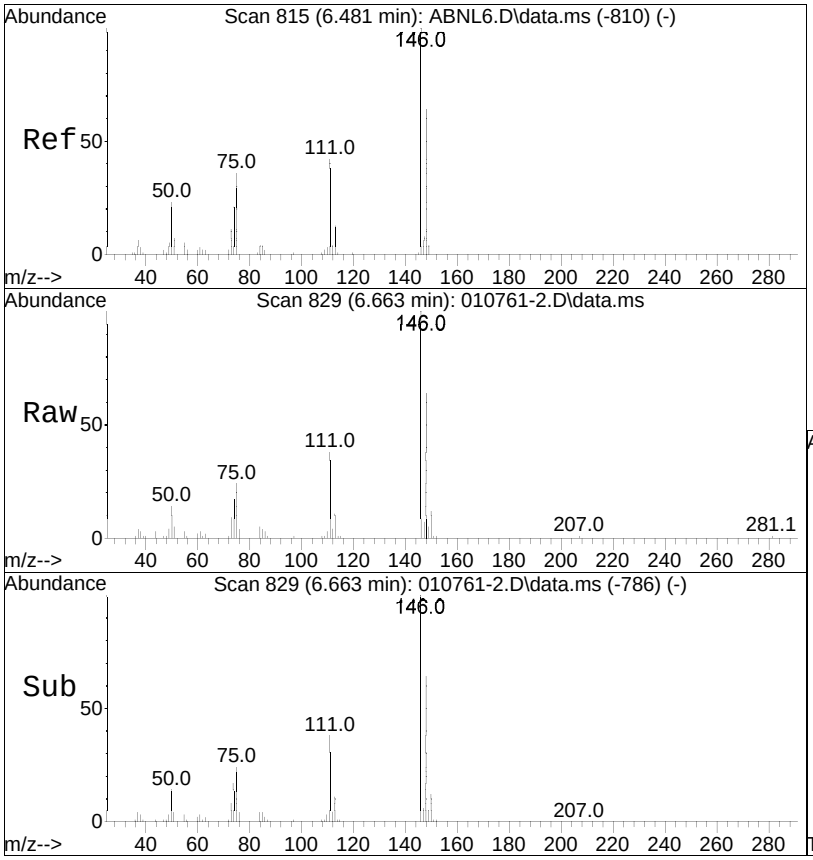


#10
1,3-Dichlorobenzene
Concen: 0.96 ug/ml
RT: 6.569 min Scan# 813
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:146 Resp: 25457

Ion	Ratio	Lower	Upper
146	100		
111	38.8	34.3	51.5
148	65.5	50.8	76.2

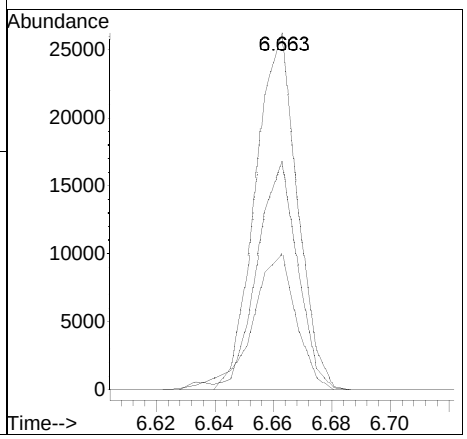


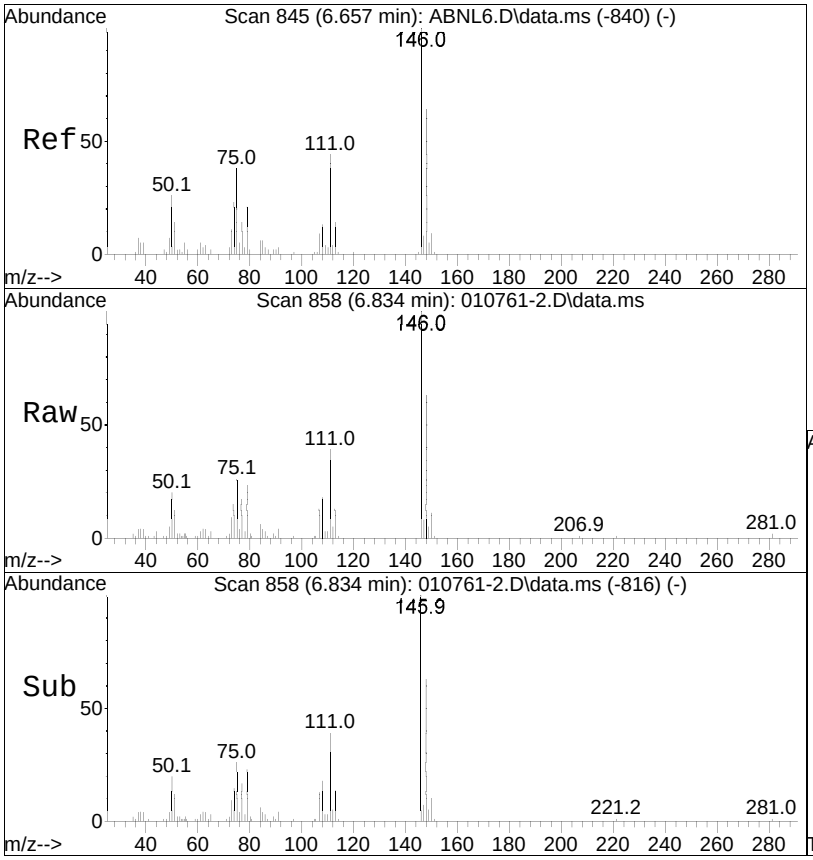


#11
1,4-Dichlorobenzene
Concen: 0.97 ug/ml
RT: 6.663 min Scan# 829
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:146 Resp: 26110

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.7	76.1
111	40.2	33.4	50.0

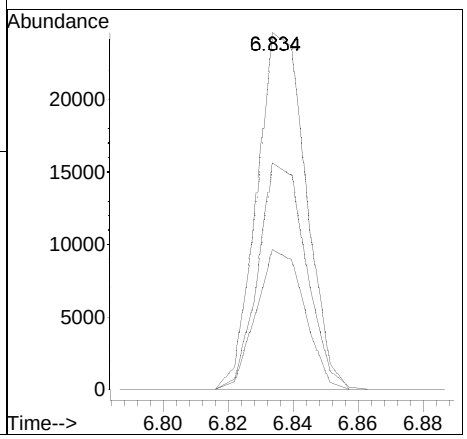


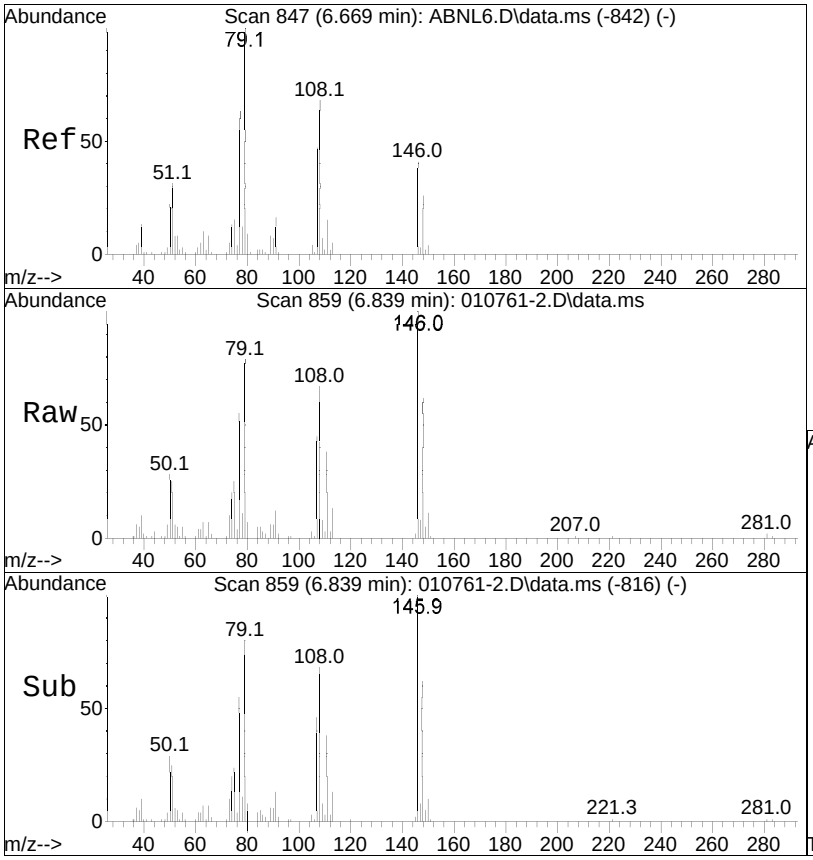


#12
1,2-Dichlorobenzene
Concen: 1.00 ug/ml
RT: 6.834 min Scan# 858
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:146 Resp: 25735

Ion	Ratio	Lower	Upper
146	100		
111	38.7	34.6	52.0
148	61.9	50.2	75.4

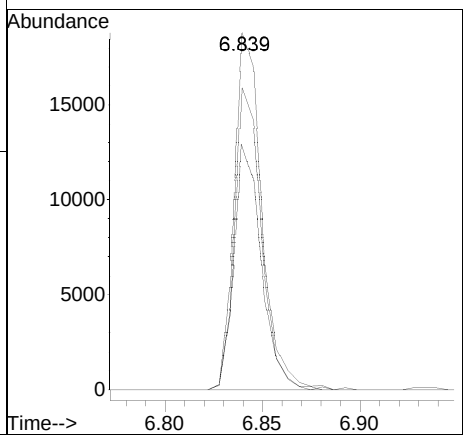


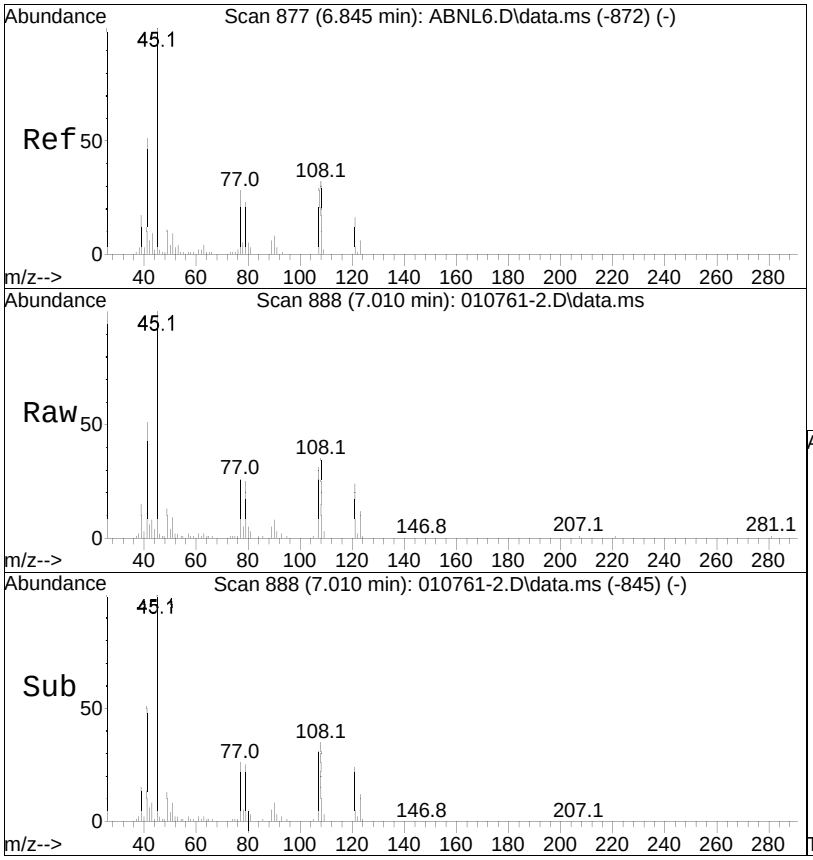


#13
Benzyl alcohol
Concen: 1.10 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 79 Resp: 18440

Ion	Ratio	Lower	Upper
79	100		
77	68.0	54.9	82.3
108	82.5	63.1	94.7

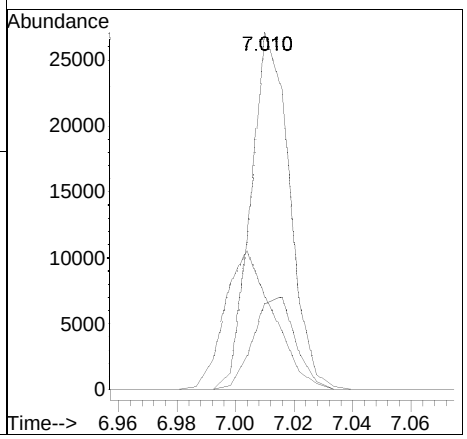


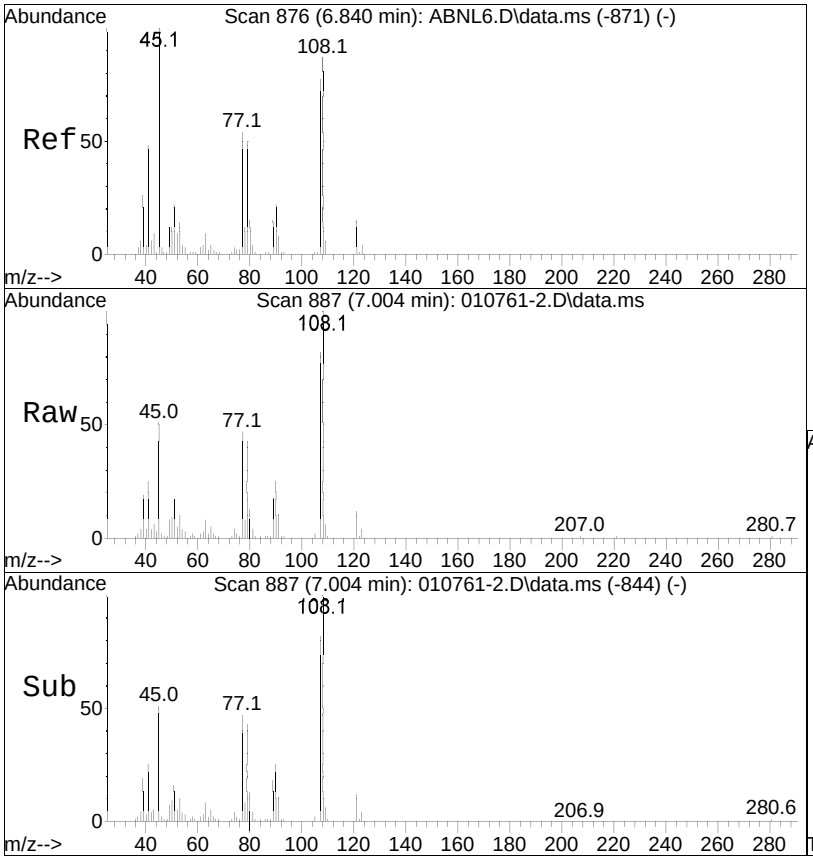


#14
Bis(2-chloroisopropyl)ether
Concen: 0.78 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 45 Resp: 24773

Ion	Ratio	Lower	Upper
45	100		
121	28.3	9.8	14.6#
77	48.9	6.1	9.1#

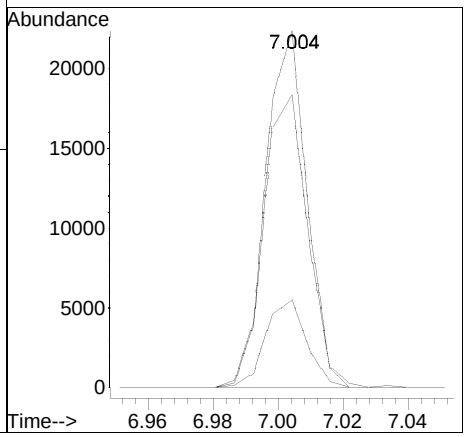


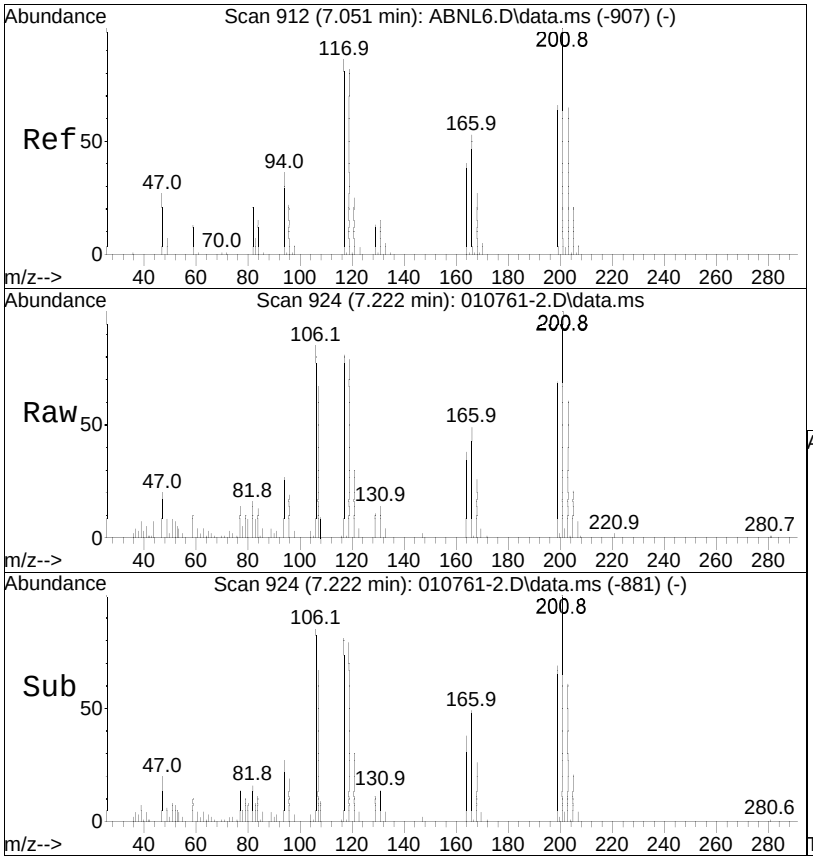


#15
2-Methylphenol
Concen: 1.11 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:108 Resp: 19696

Ion	Ratio	Lower	Upper
108	100		
107	87.7	70.7	106.1
90	24.7	18.7	28.1

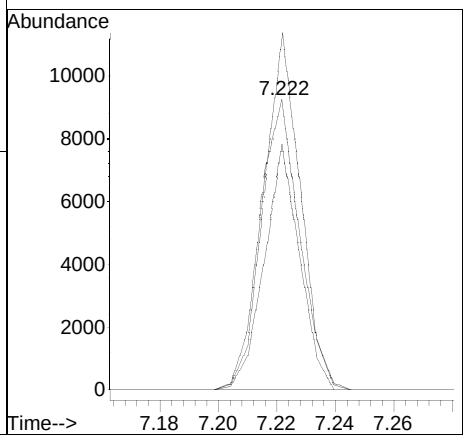


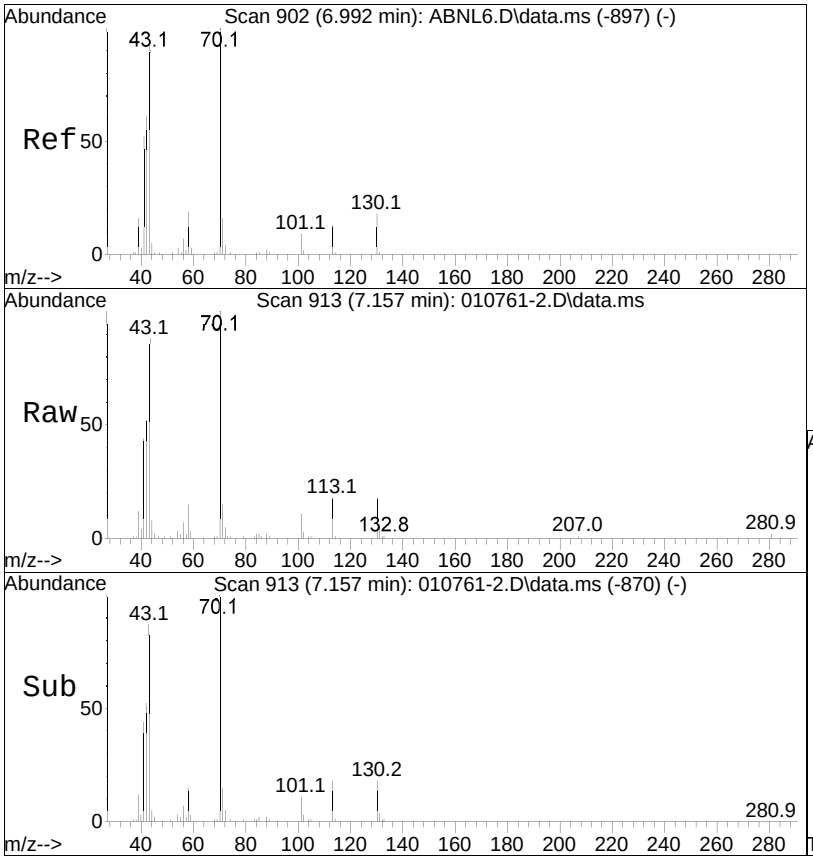


#16
Hexachloroethane
Concen: 0.90 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:117 Resp: 8813

Ion	Ratio	Lower	Upper
117	100		
201	111.5	58.6	87.8#
199	74.5	36.9	55.3#

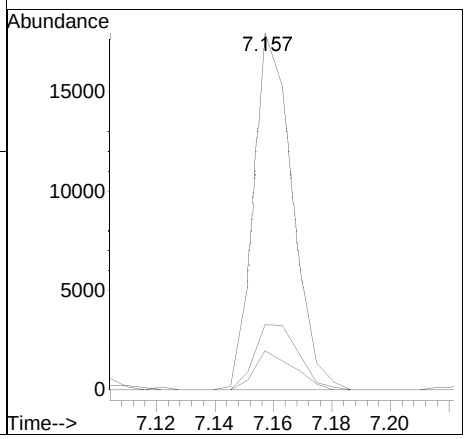


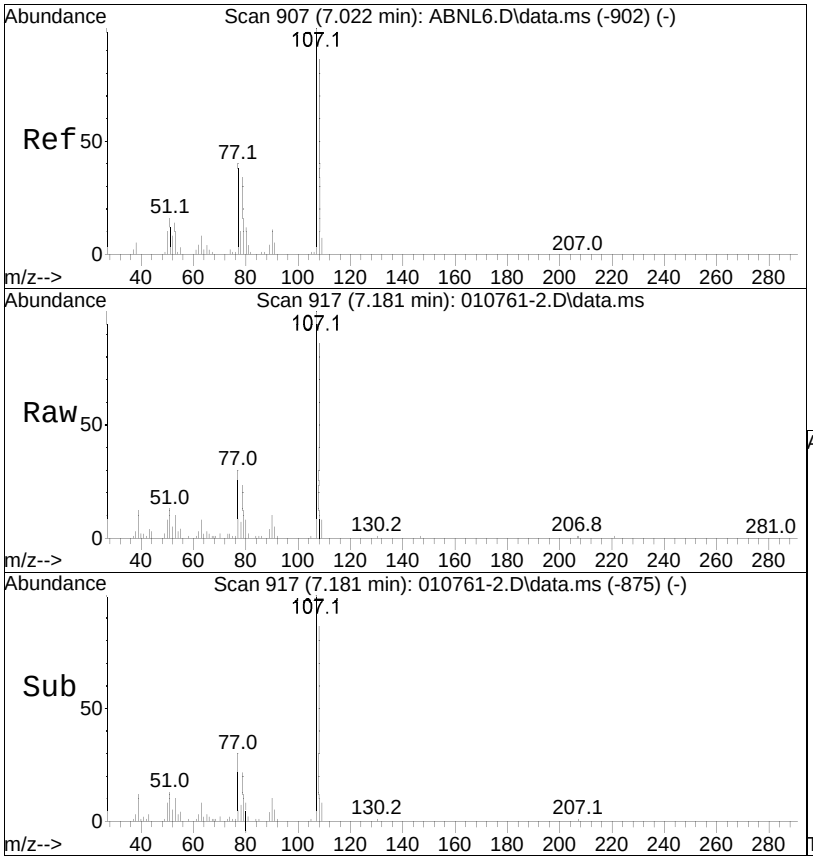


#17
n-Nitrosodi-n-propylamine
Concen: 1.11 ug/ml
RT: 7.157 min Scan# 913
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 70 Resp: 16505

Ion	Ratio	Lower	Upper
70	100		
130	20.7	18.2	27.4
101	11.0	7.8	11.8

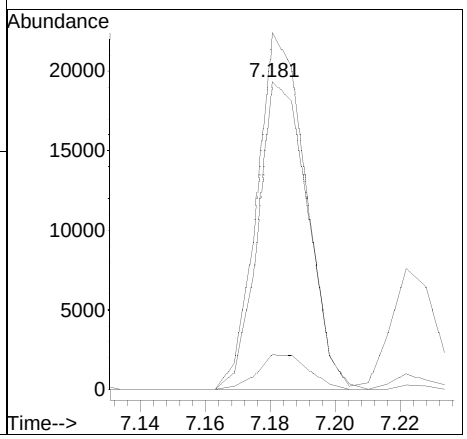


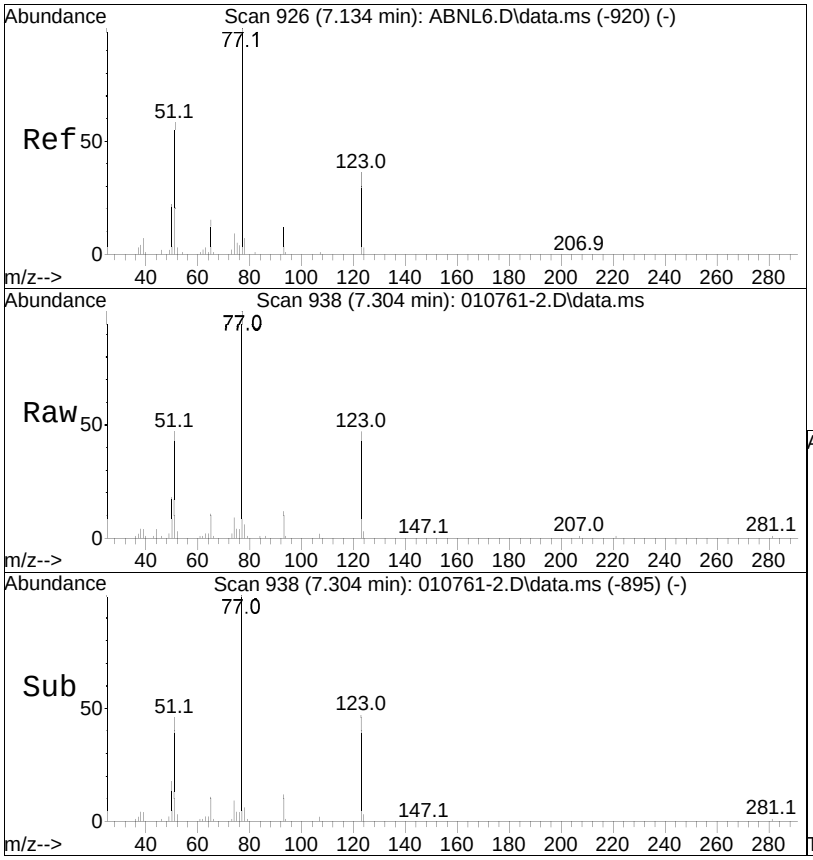


#18
3-Methylphenol/4-Methylphenol
Concen: 1.05 ug/ml
RT: 7.181 min Scan# 917
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:108 Resp: 20474

Ion	Ratio	Lower	Upper
108	100		
107	114.2	88.6	132.8
90	11.8	8.8	13.2

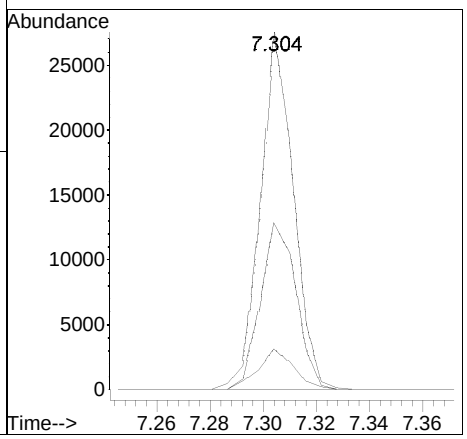


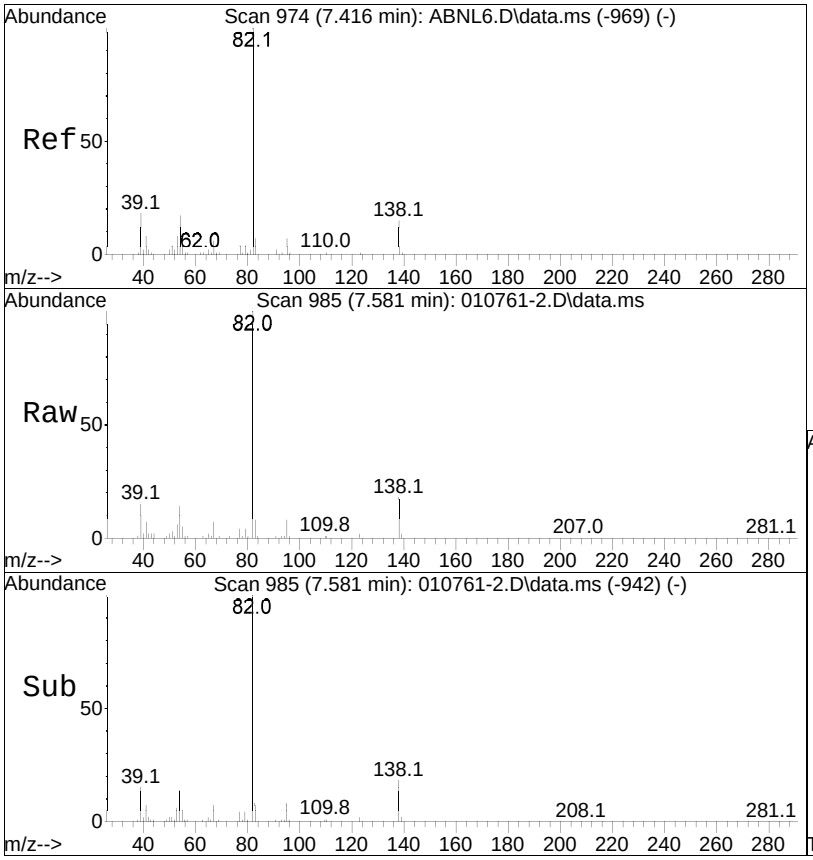


#20
Nitrobenzene
Concen: 1.06 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 77 Resp: 23441

Ion	Ratio	Lower	Upper
77	100		
123	50.8	36.3	54.5
65	12.5	11.6	17.4

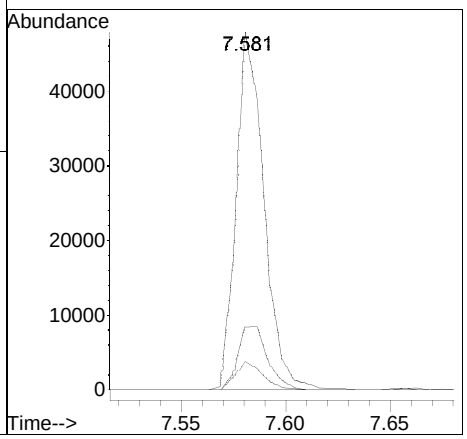


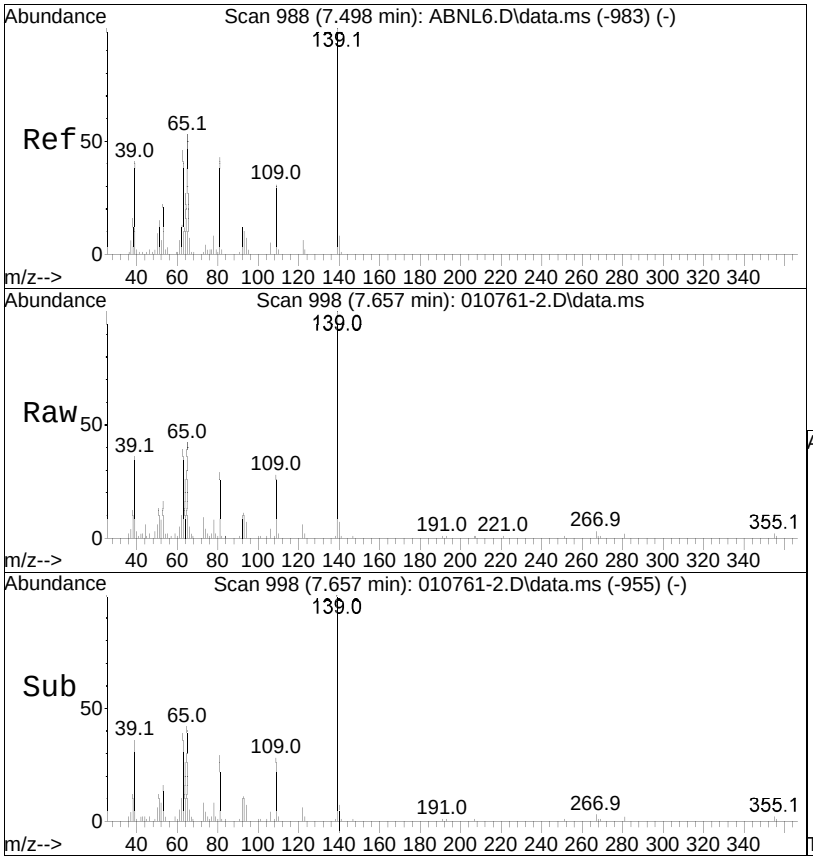


#21
Isophorone
Concen: 1.14 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 82 Resp: 43688

Ion	Ratio	Lower	Upper
82	100		
138	19.0	14.7	22.1
95	7.8	5.2	7.8

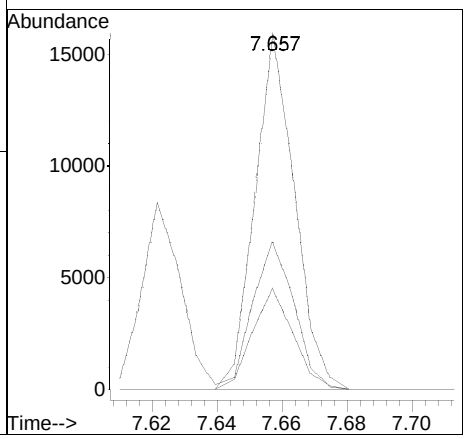


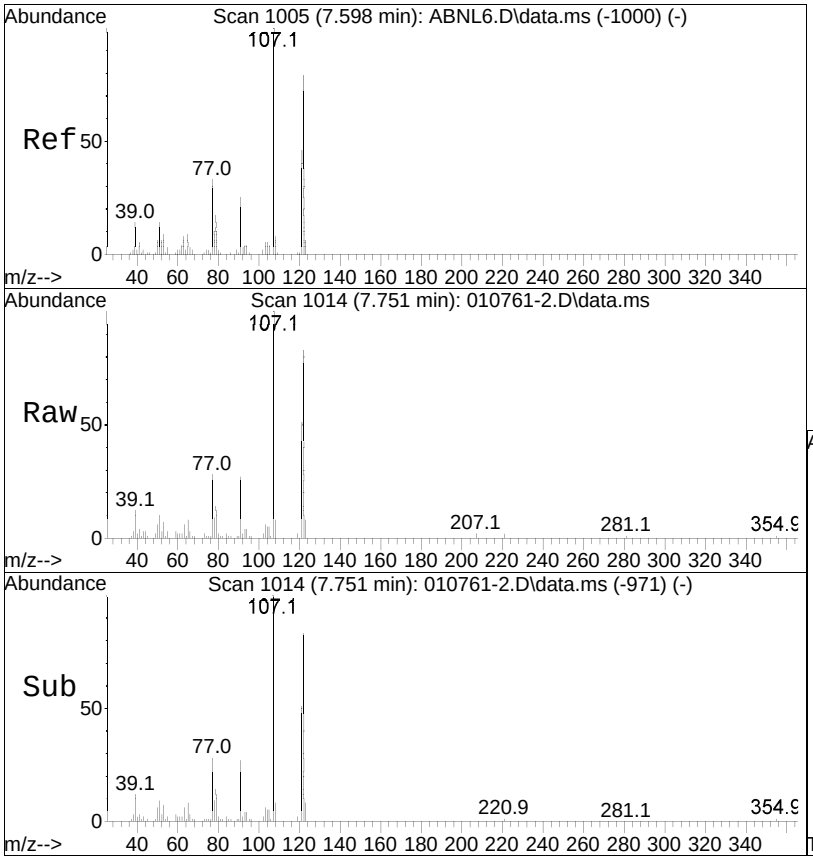


#22
2-Nitrophenol
Concen: 1.19 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:139 Resp: 13475

Ion	Ratio	Lower	Upper
139	100		
109	29.3	19.4	29.0#
65	43.5	46.1	69.1#

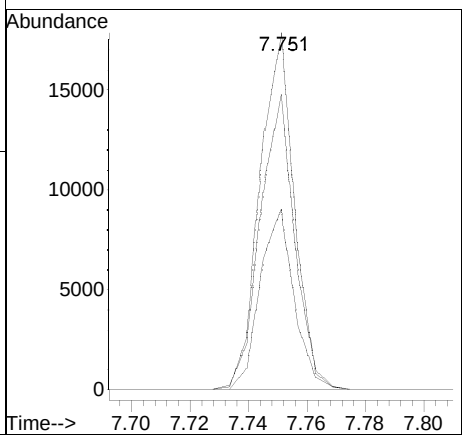


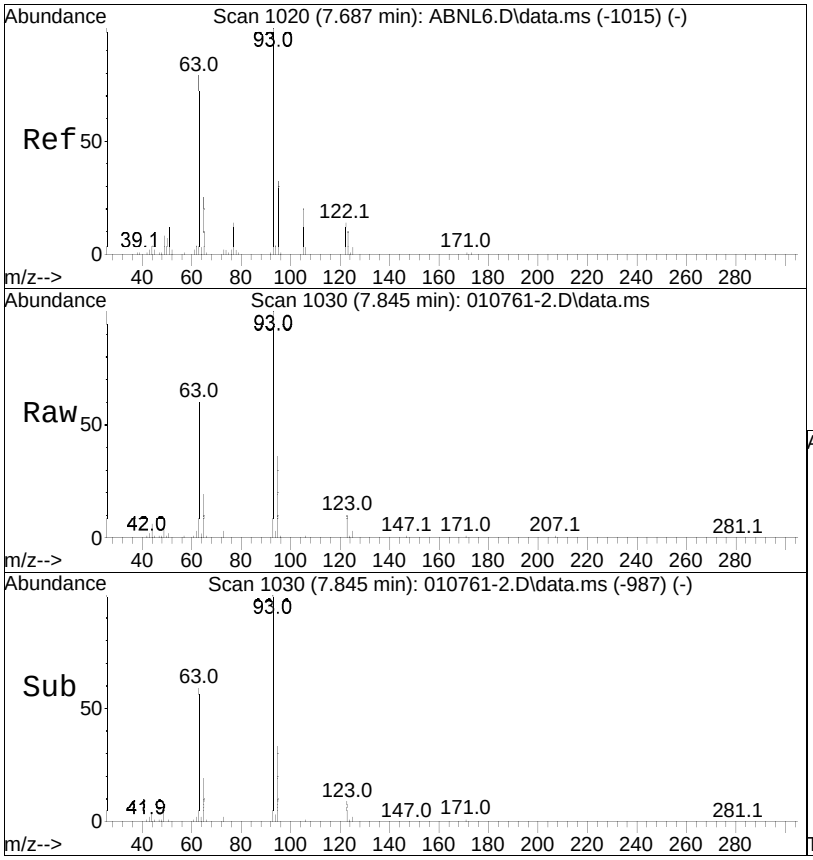


#23
2,4-Dimethylphenol
Concen: 0.81 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:107 Resp: 14442

Ion	Ratio	Lower	Upper
107	100		
121	50.3	40.0	60.0
122	83.5	70.2	105.4

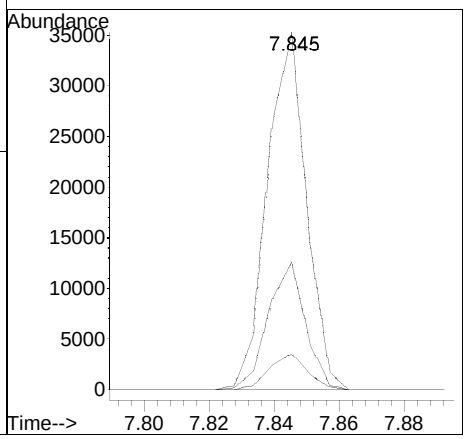


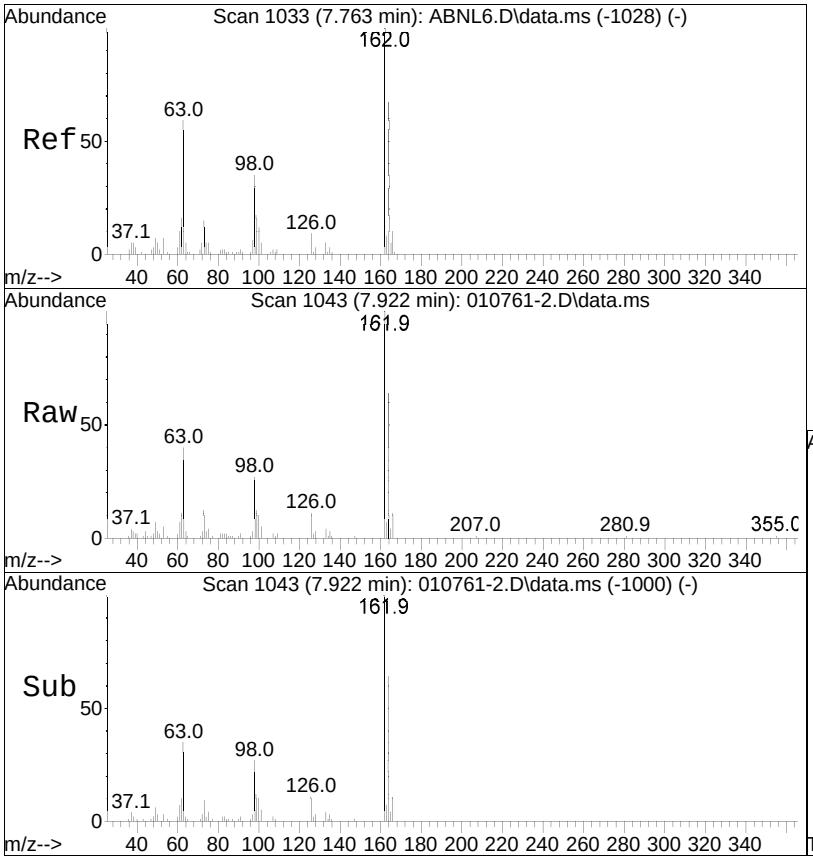


#24
Bis(2-chloroethoxy)methane
Concen: 1.14 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 93 Resp: 29215

Ion	Ratio	Lower	Upper
93	100		
95	34.2	25.8	38.8
123	9.8	10.1	15.1#

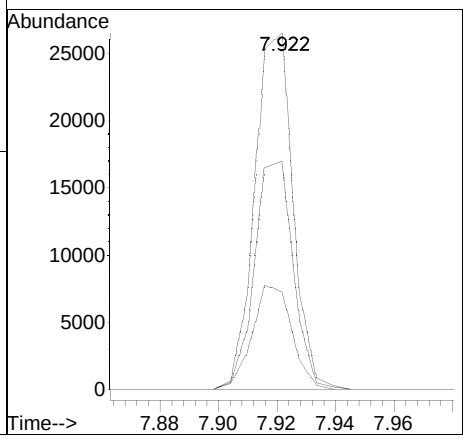


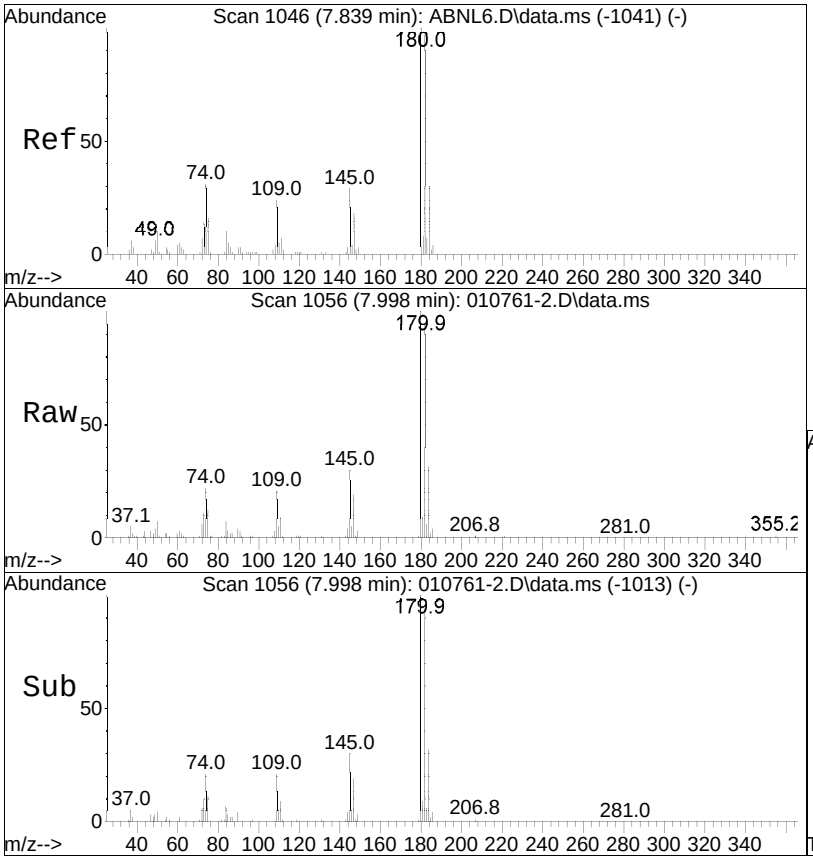


#25
2,4-Dichlorophenol
Concen: 1.21 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:162 Resp: 23965

Ion	Ratio	Lower	Upper
162	100		
164	65.3	51.0	76.4
98	30.7	32.2	48.2#

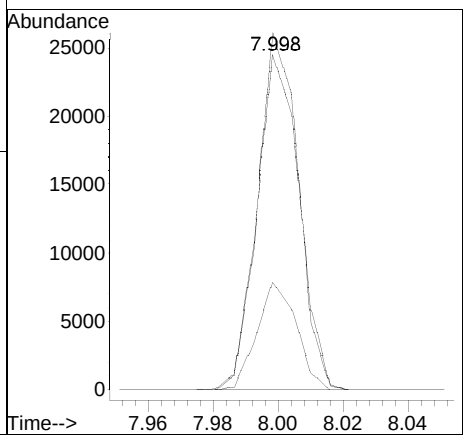


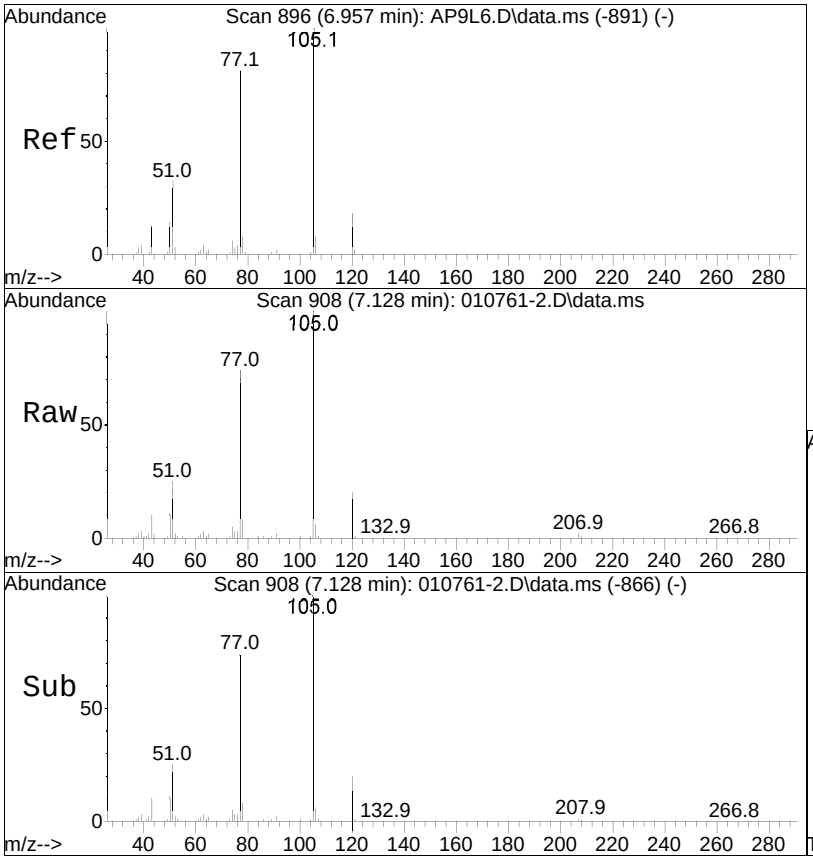


#26
1,2,4-Trichlorobenzene
Concen: 0.98 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:180 Resp: 22612

Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.0	114.0
145	29.3	25.7	38.5

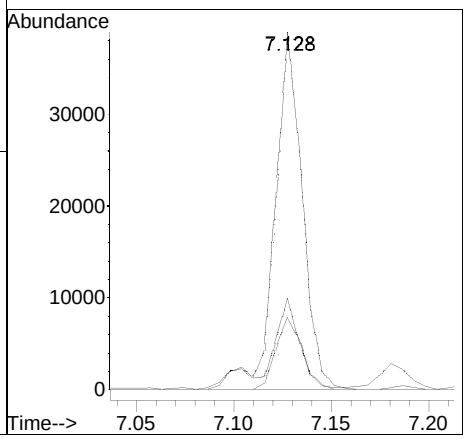


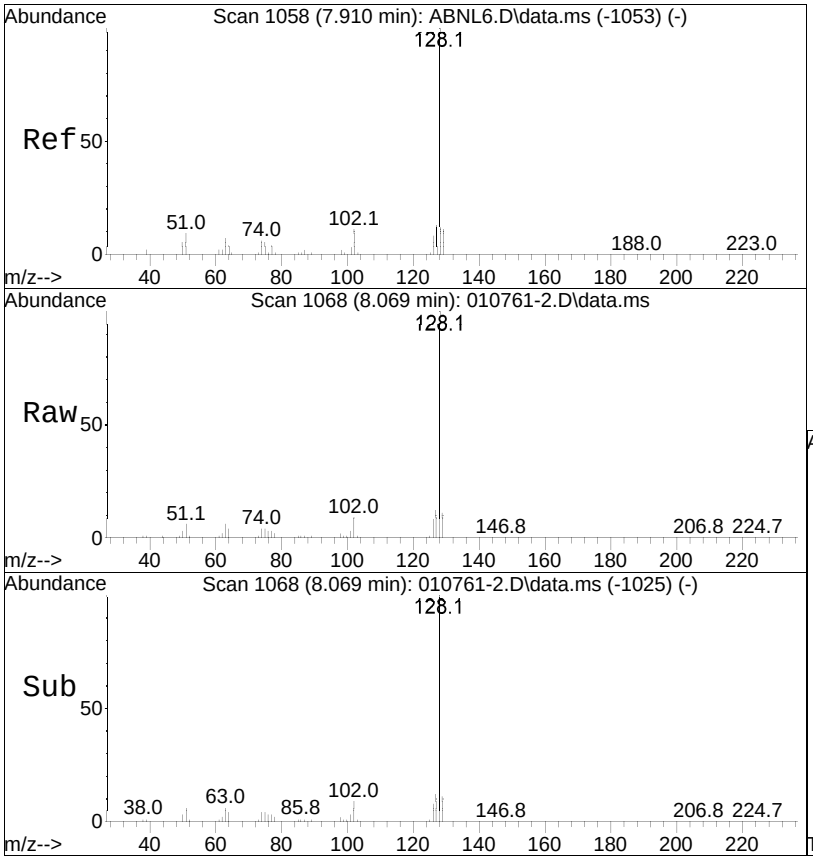


#29
Acetophenone
Concen: 1.31 ug/ml
RT: 7.128 min Scan# 908
Delta R.T. -0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:105 Resp: 37905

Ion	Ratio	Lower	Upper
105	100		
120	19.3	20.5	30.7#
51	28.8	34.9	52.3#

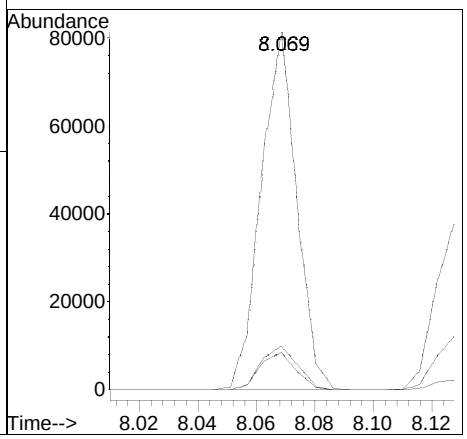


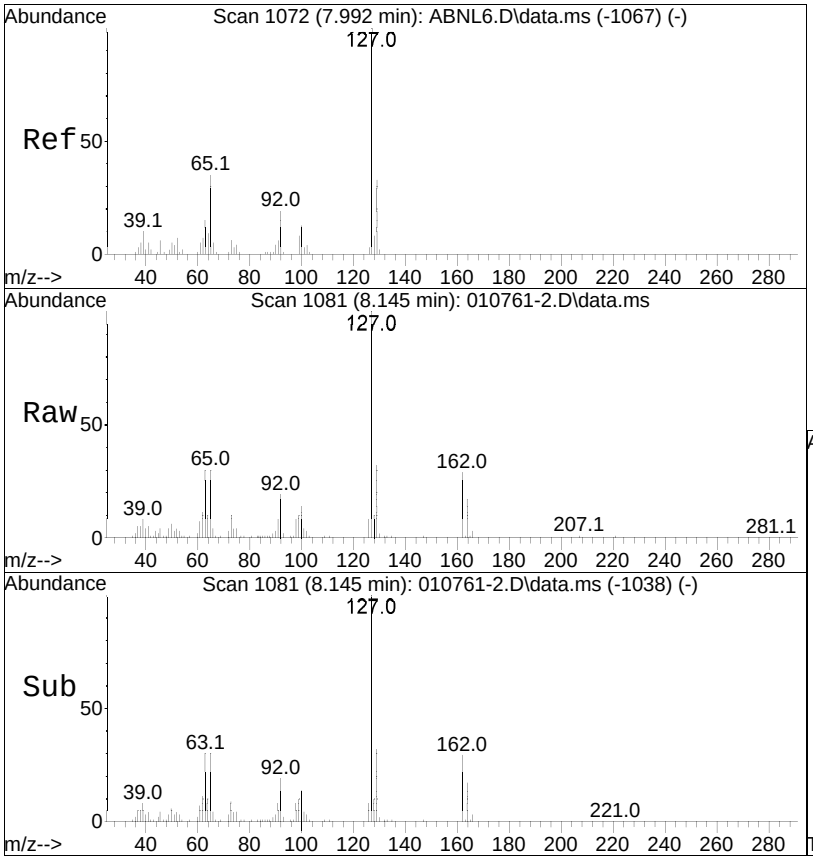


#36
Naphthalene
Concen: 1.02 ug/ml
RT: 8.069 min Scan# 1068
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:128 Resp: 68335

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.3	15.5

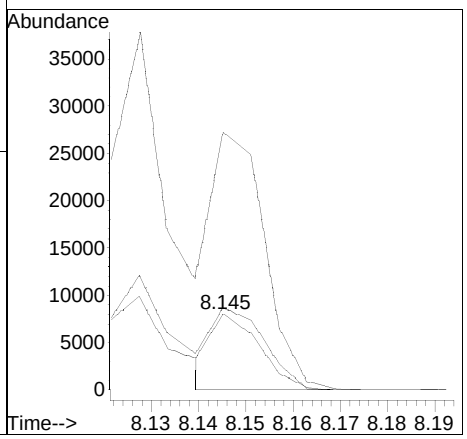


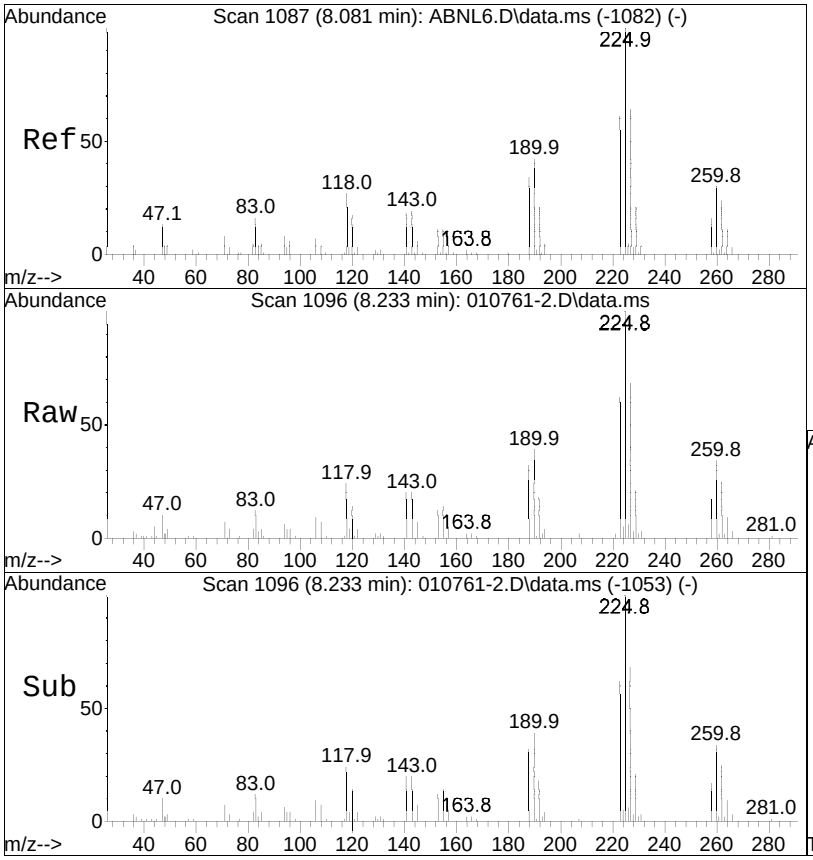


#38
4-Chloroaniline
Concen: 0.75 ug/ml M3
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 65 Resp: 5656

Ion	Ratio	Lower	Upper
65	100		
127	593.8	237.6	356.4#
129	193.5	76.3	114.5#

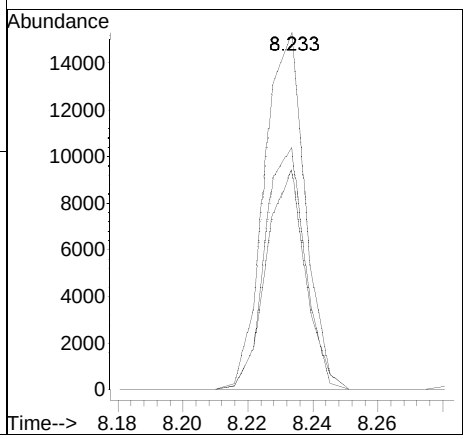


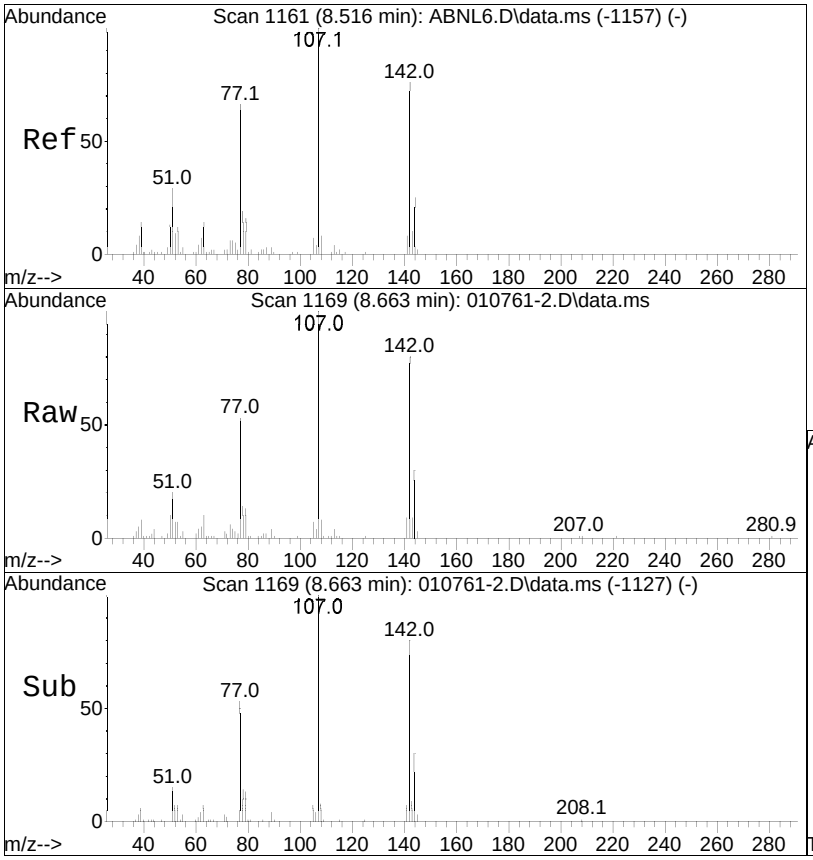


#39
Hexachlorobutadiene
Concen: 0.94 ug/ml
RT: 8.233 min Scan# 1096
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:225 Resp: 13377

Ion	Ratio	Lower	Upper
225	100		
223	59.7	50.3	75.5
227	66.2	52.2	78.2

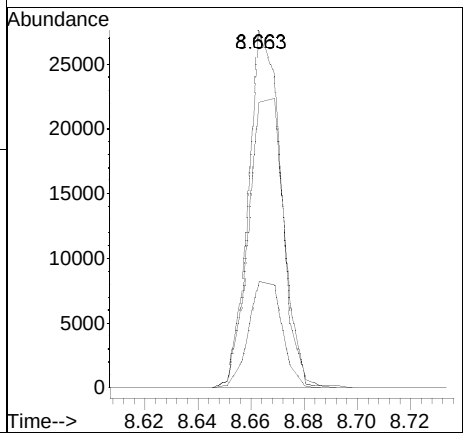


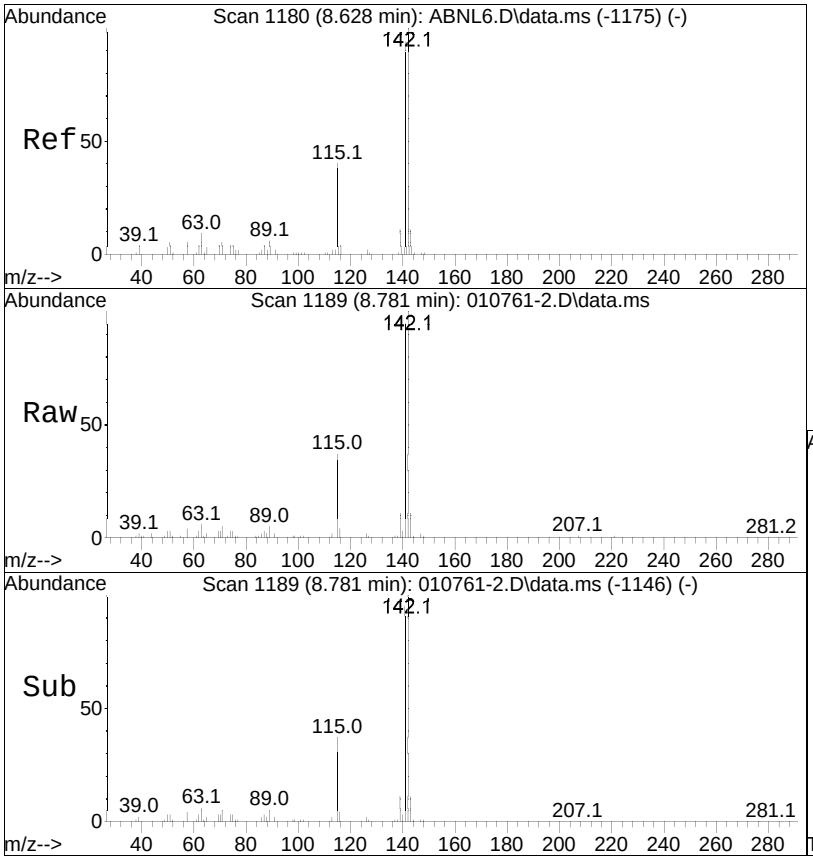


#40
p-Chloro-m-cresol
Concen: 1.32 ug/ml
RT: 8.663 min Scan# 1169
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:107 Resp: 23284

Ion	Ratio	Lower	Upper
107	100		
144	30.8	20.9	31.3
142	88.6	66.1	99.1

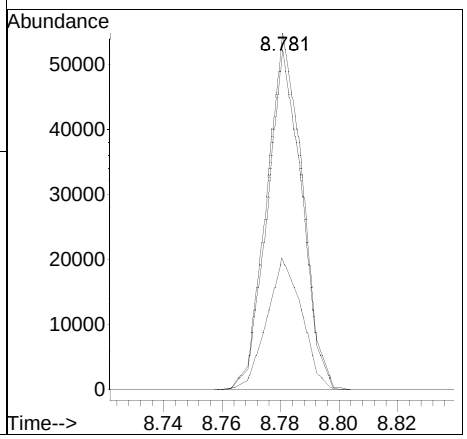


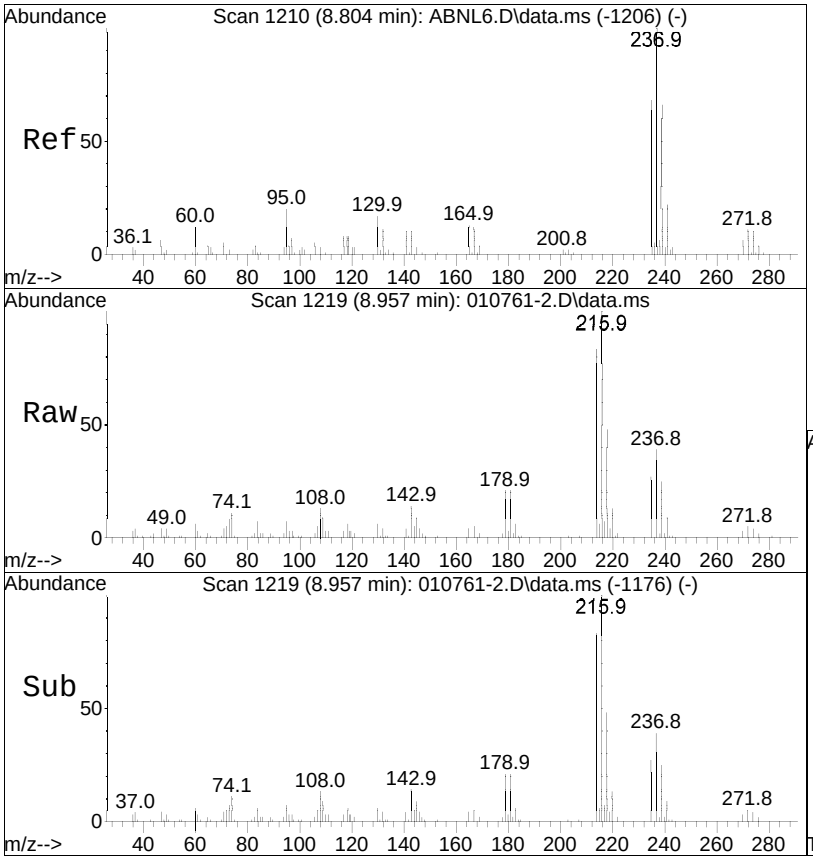


#41
2-Methylnaphthalene
Concen: 1.03 ug/ml
RT: 8.781 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:142 Resp: 46345

Ion	Ratio	Lower	Upper
142	100		
141	92.0	69.6	104.4
115	36.5	26.6	40.0

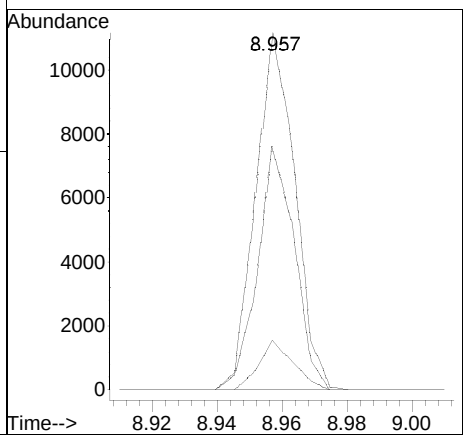


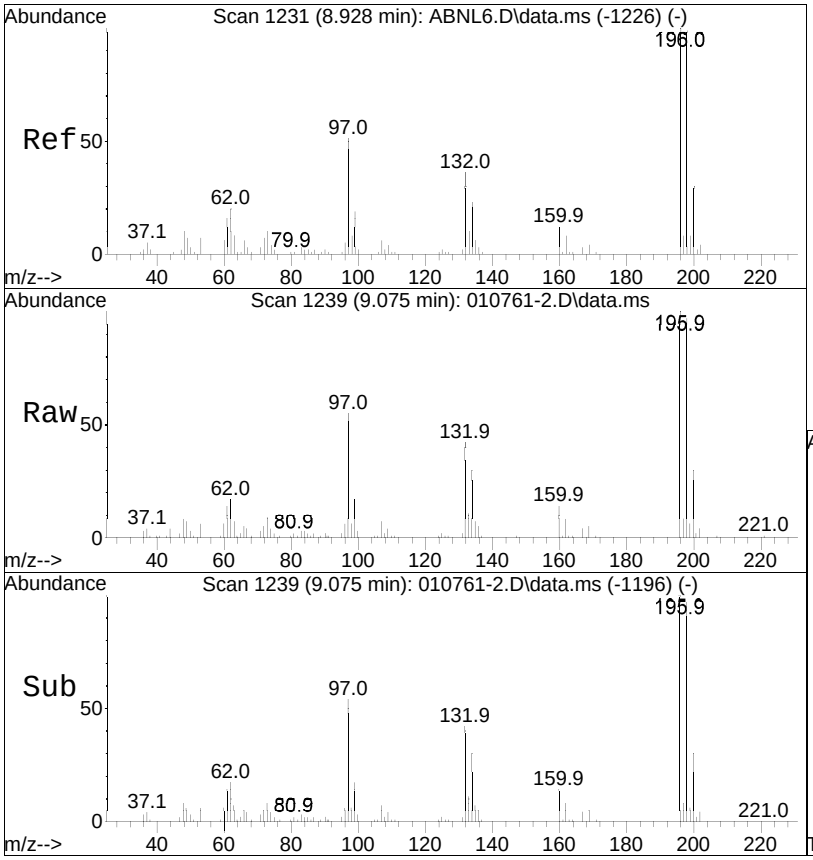


#43
Hexachlorocyclopentadiene
Concen: 0.60 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:237 Resp: 9345

Ion	Ratio	Lower	Upper
237	100		
235	64.0	49.7	74.5
272	12.2	9.8	14.6

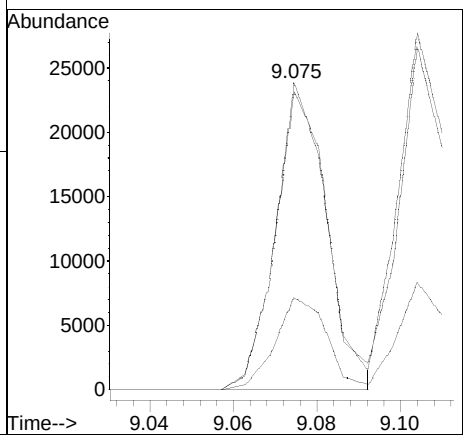


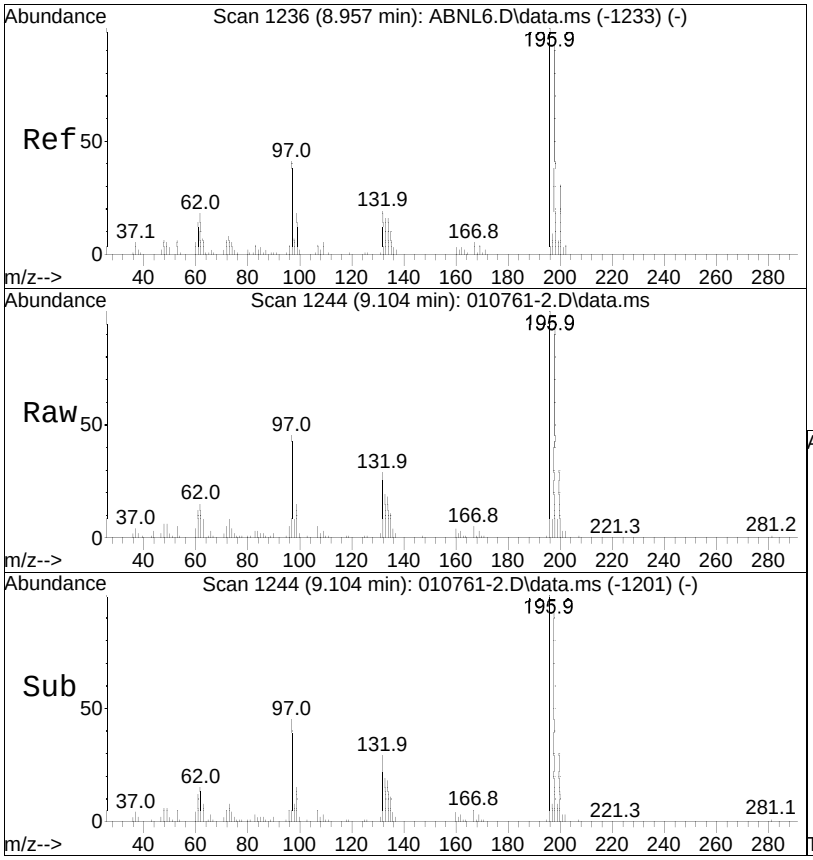


#44
2,4,6-Trichlorophenol
Concen: 1.23 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:196 Resp: 20124

Ion	Ratio	Lower	Upper
196	100		
198	100.2	77.5	116.3
200	30.7	23.8	35.6

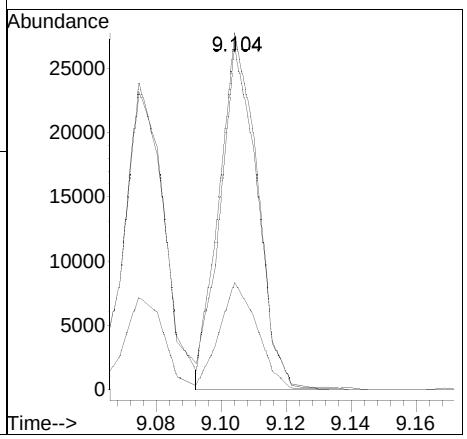


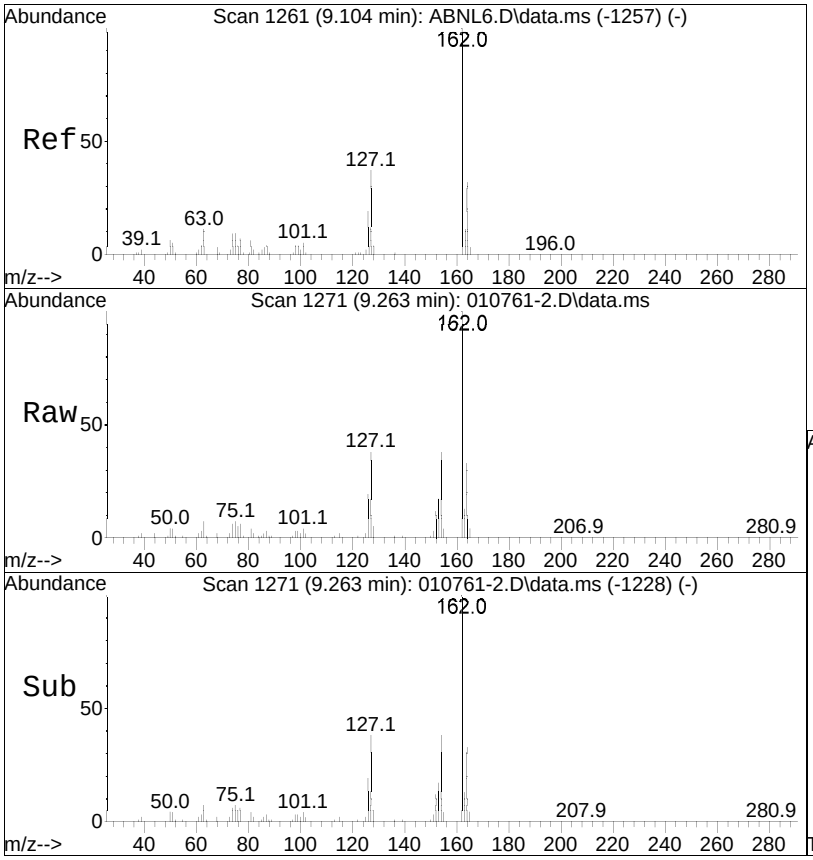


#45
2,4,5-Trichlorophenol
Concen: 1.33 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:196 Resp: 22609

Ion	Ratio	Lower	Upper
196	100		
200	30.0	25.4	38.0
198	93.1	78.0	117.0

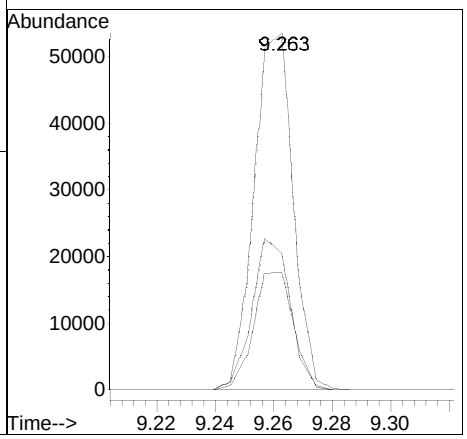


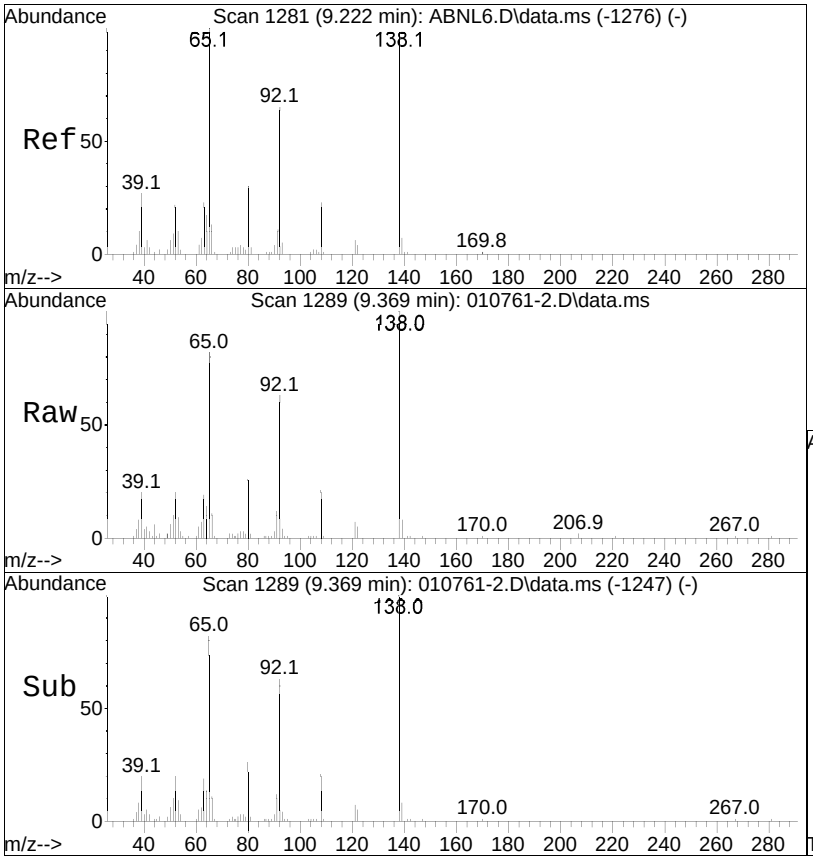


#47
2-Chloronaphthalene
Concen: 1.06 ug/ml
RT: 9.263 min Scan# 1271
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:162 Resp: 49350

Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.2	48.4
164	33.9	25.7	38.5

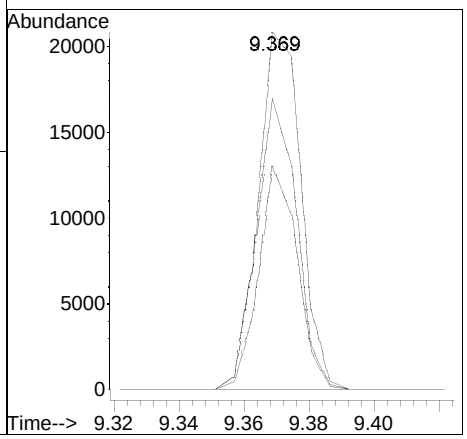


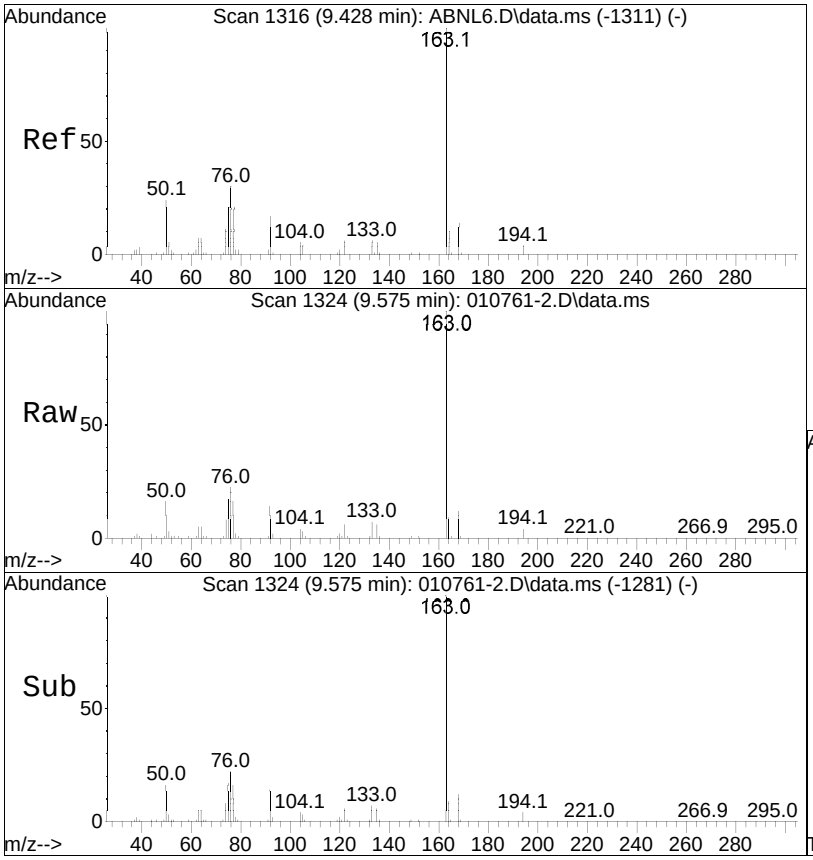


#48
2-Nitroaniline
Concen: 1.42 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:138 Resp: 18906

Ion	Ratio	Lower	Upper
138	100		
92	56.8	53.5	80.3
65	76.6	86.3	129.5#

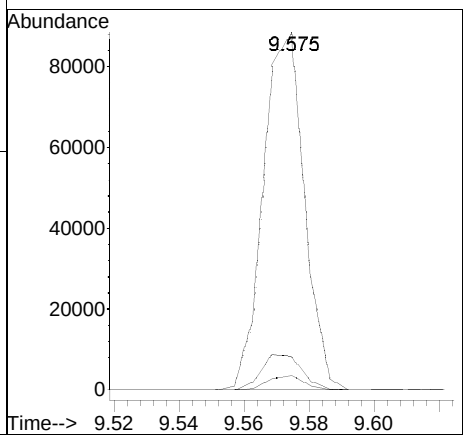


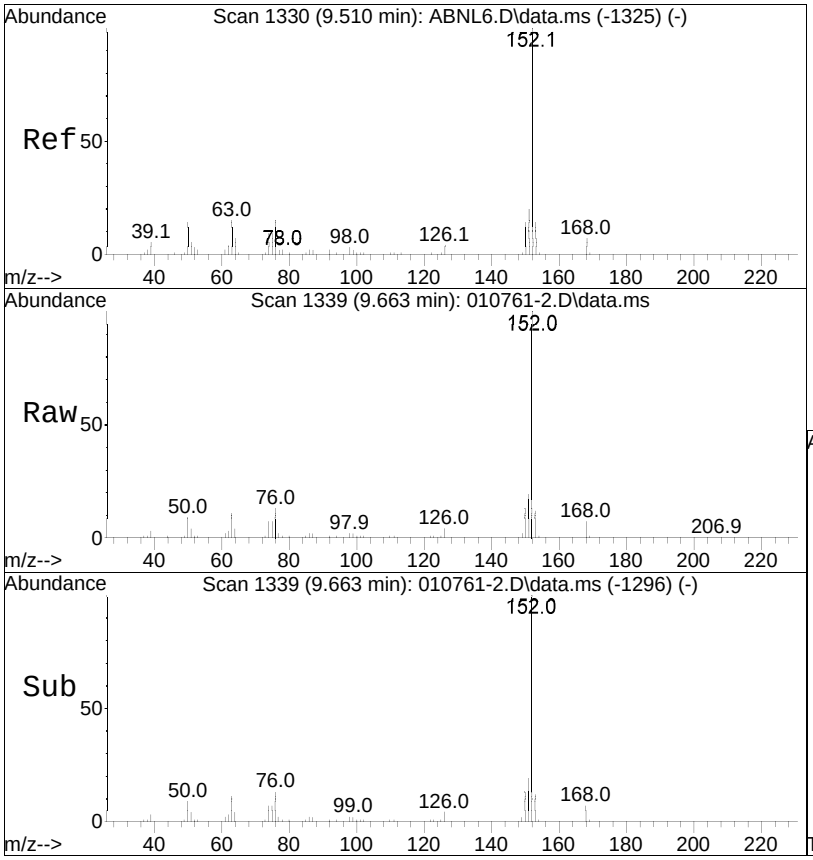


#51
Dimethyl phthalate
Concen: 1.41 ug/ml
RT: 9.575 min Scan# 1324
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:163 Resp: 76687

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	9.9	7.9	11.9

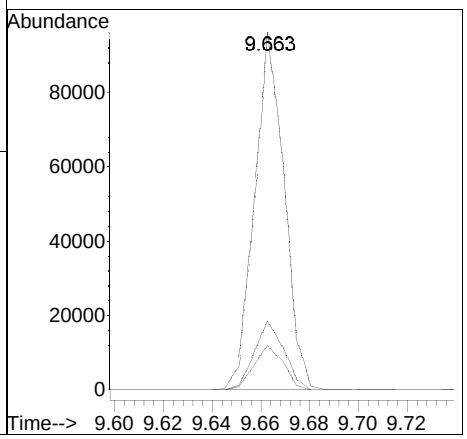


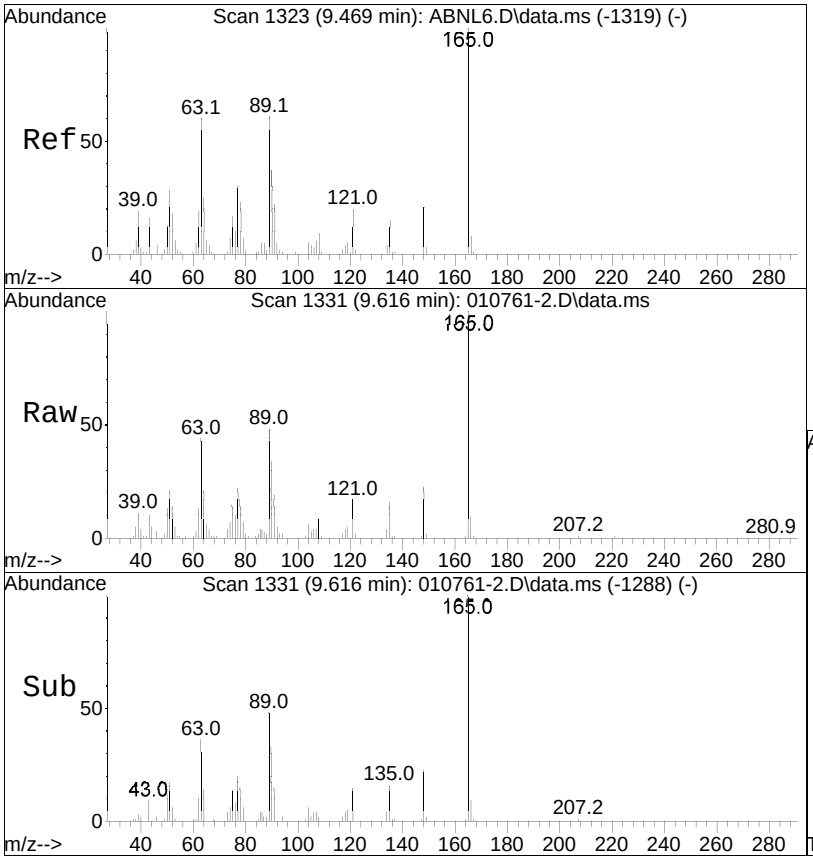


#52
Acenaphthylene
Concen: 1.15 ug/ml
RT: 9.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:152 Resp: 80285

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	12.4	10.5	15.7

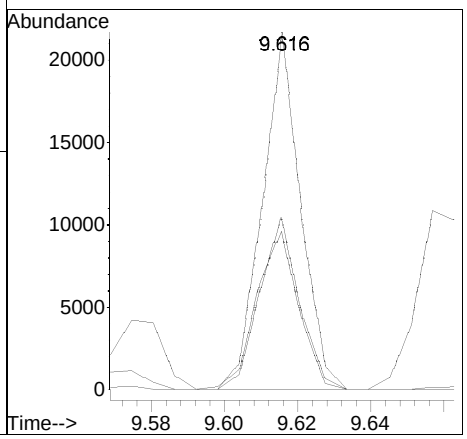


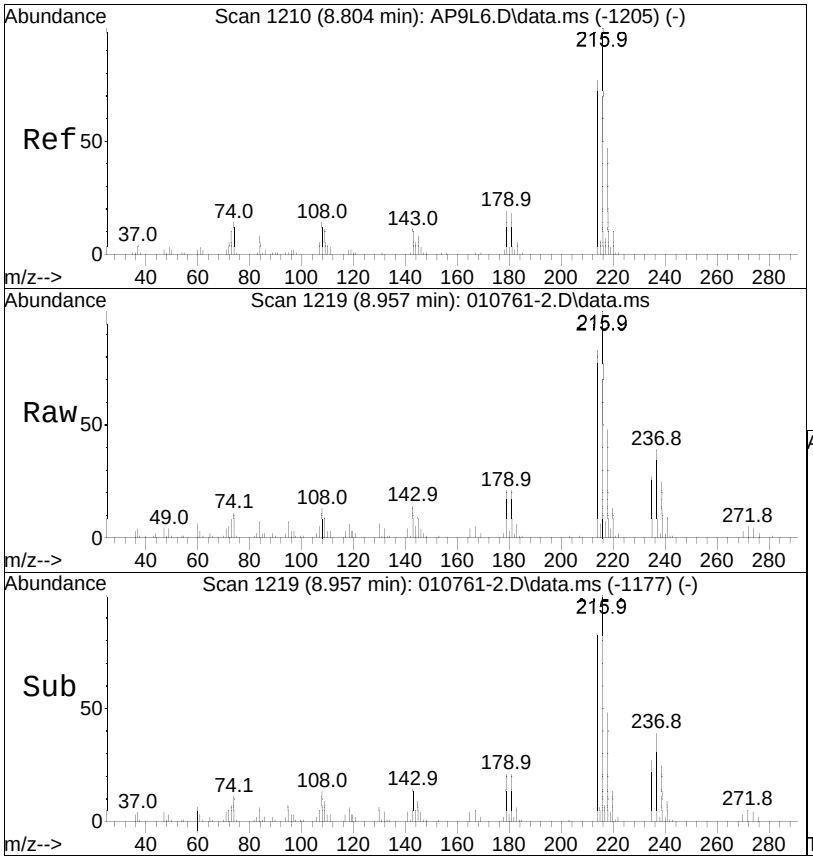


#53
2,6-Dinitrotoluene
Concen: 1.42 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:165 Resp: 15687

Ion	Ratio	Lower	Upper
165	100		
89	50.1	54.2	81.2#
63	48.9	64.2	96.2#

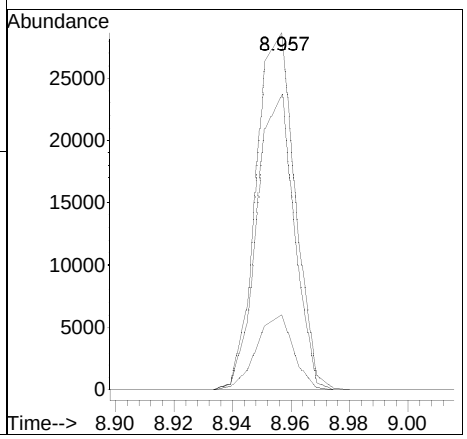


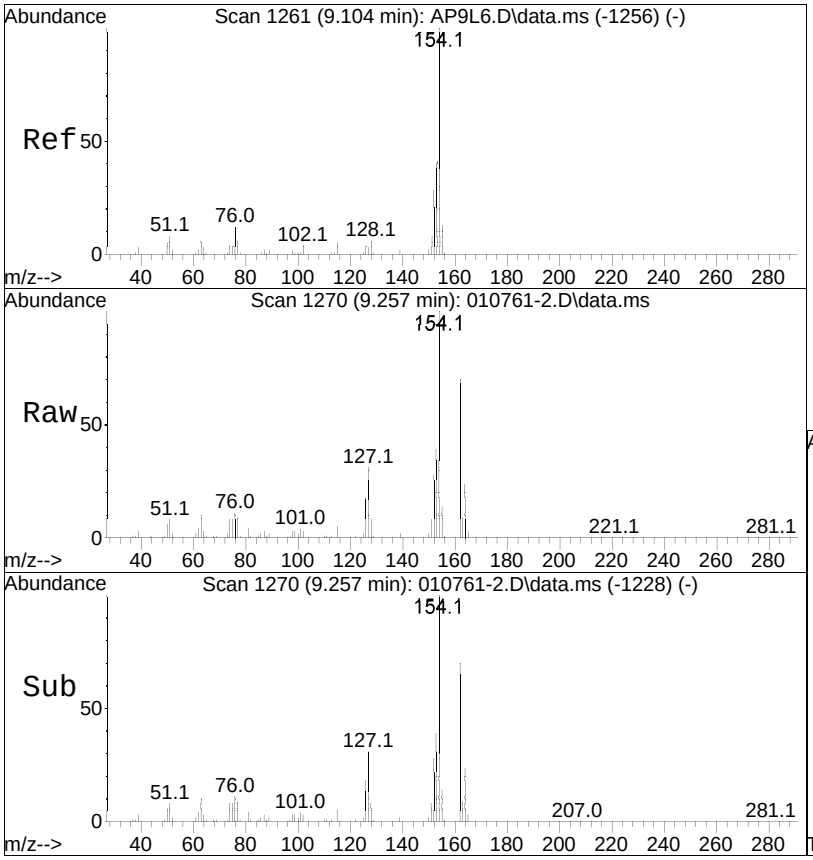


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.11 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. -0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:216 Resp: 26512

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.7	95.5
179	19.9	19.0	28.6

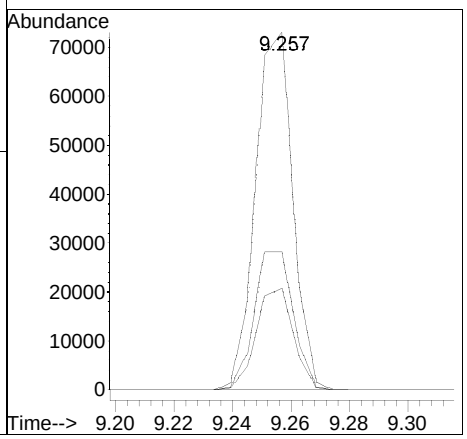


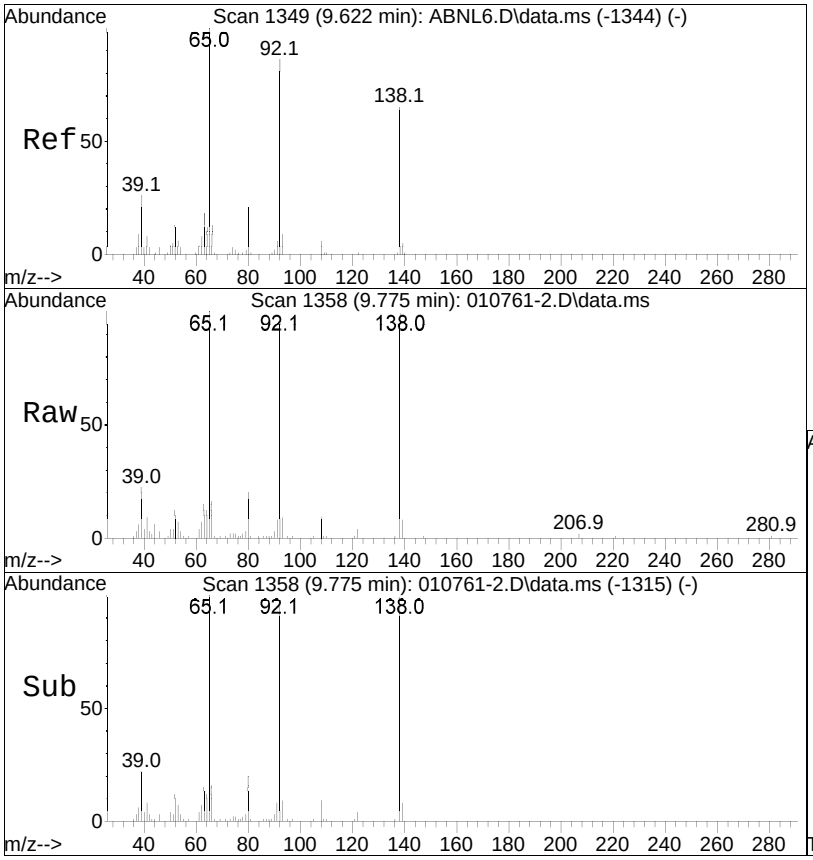


#62
Biphenyl
Concen: 1.20 ug/ml
RT: 9.257 min Scan# 1270
Delta R.T. -0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:154 Resp: 64591

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.3	48.5
152	28.5	22.5	33.7

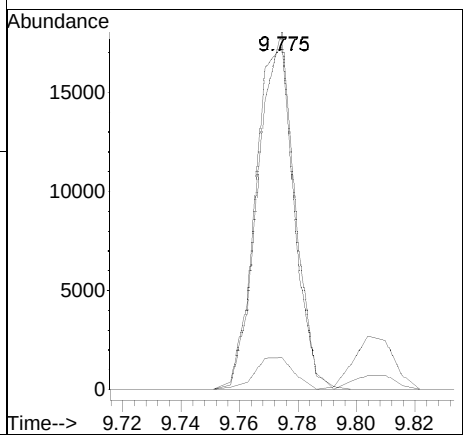


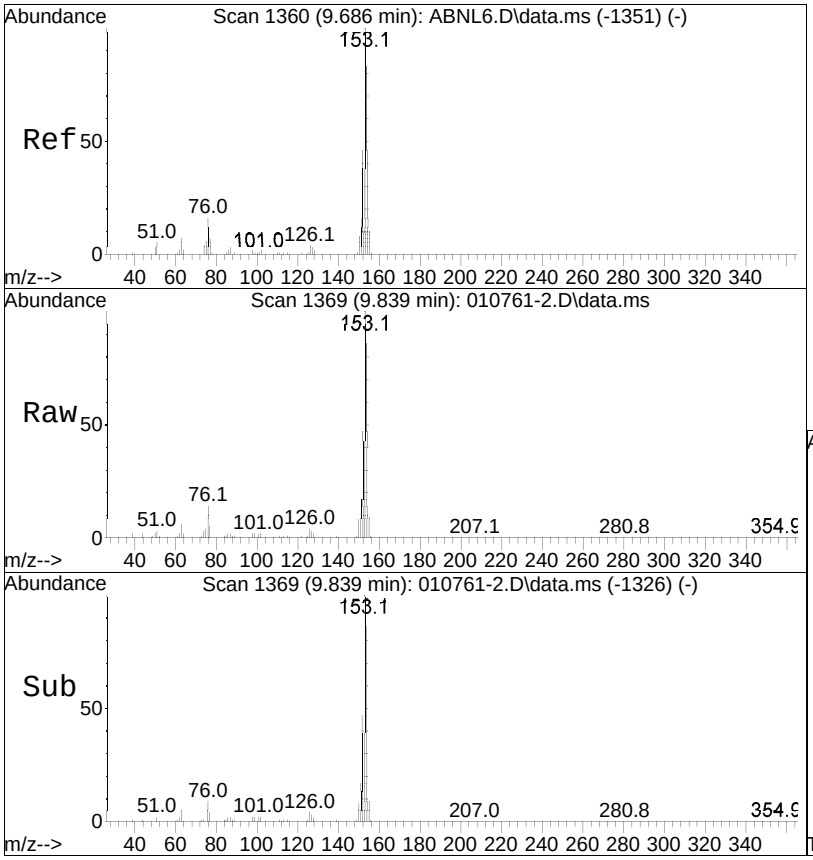


#64
3-Nitroaniline
Concen: 1.34 ug/ml
RT: 9.775 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:138 Resp: 15594

Ion	Ratio	Lower	Upper
138	100		
92	101.2	93.4	140.2
108	9.6	9.5	14.3

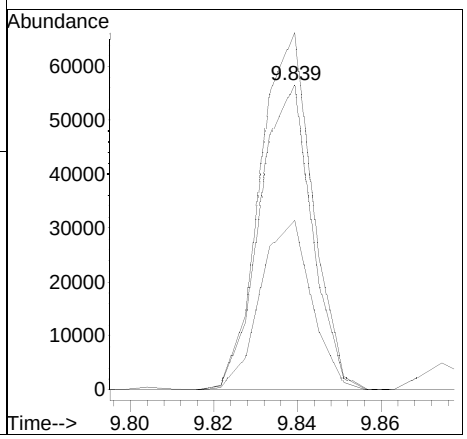


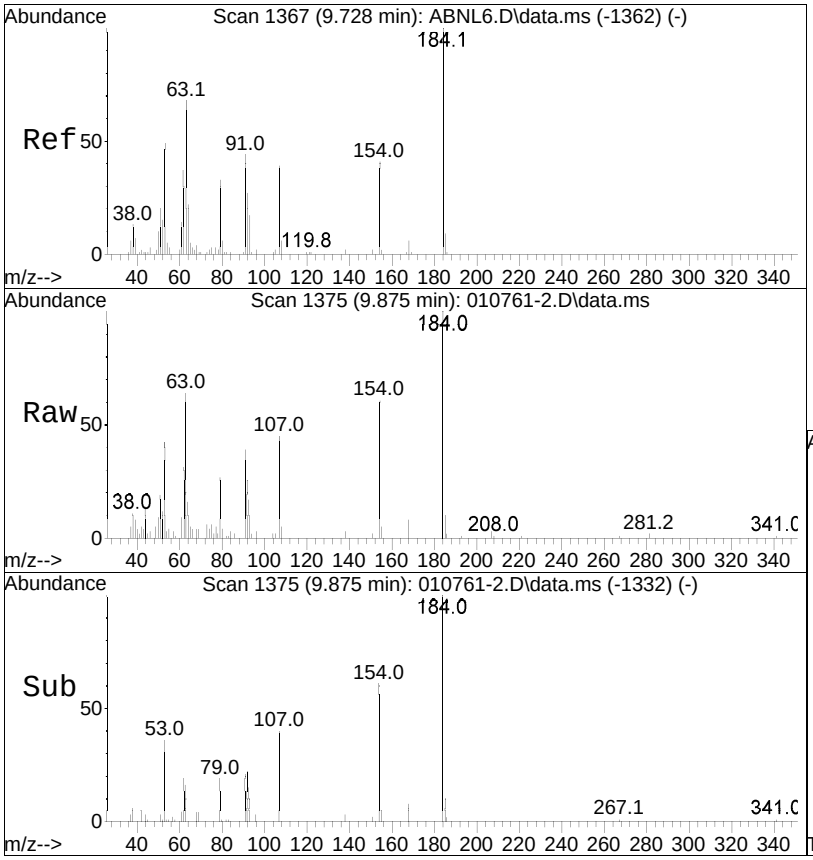


#65
Acenaphthene
Concen: 1.18 ug/ml
RT: 9.839 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:154 Resp: 49030

Ion	Ratio	Lower	Upper
154	100		
153	117.8	85.3	127.9
152	54.9	41.4	62.0

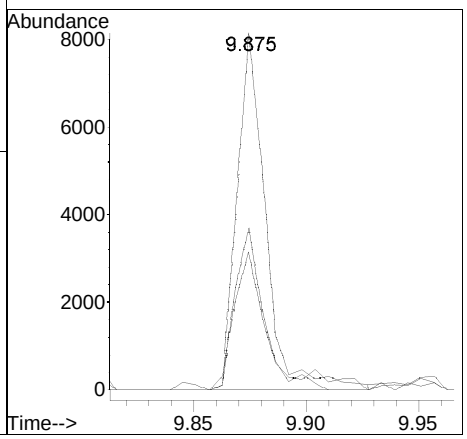


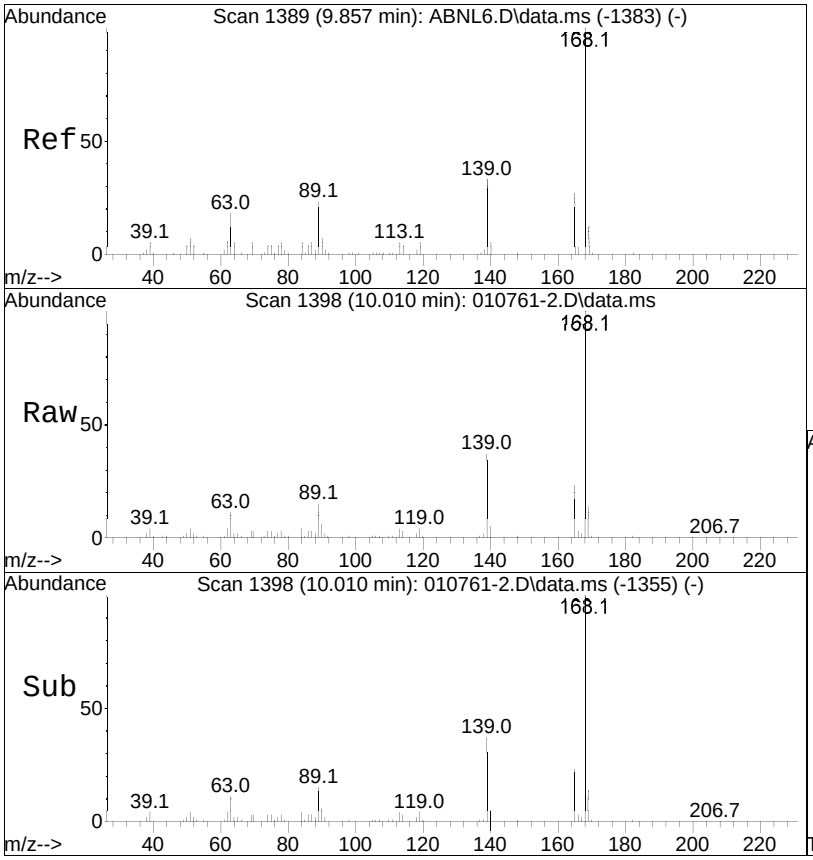


#66
2,4-Dinitrophenol
Concen: 1.97 ug/ml
RT: 9.875 min Scan# 1375
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:184 Resp: 7163

Ion	Ratio	Lower	Upper
184	100		
107	45.9	37.7	56.5
91	42.3	46.3	69.5#

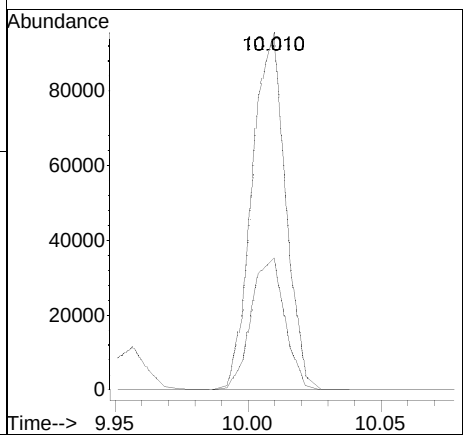


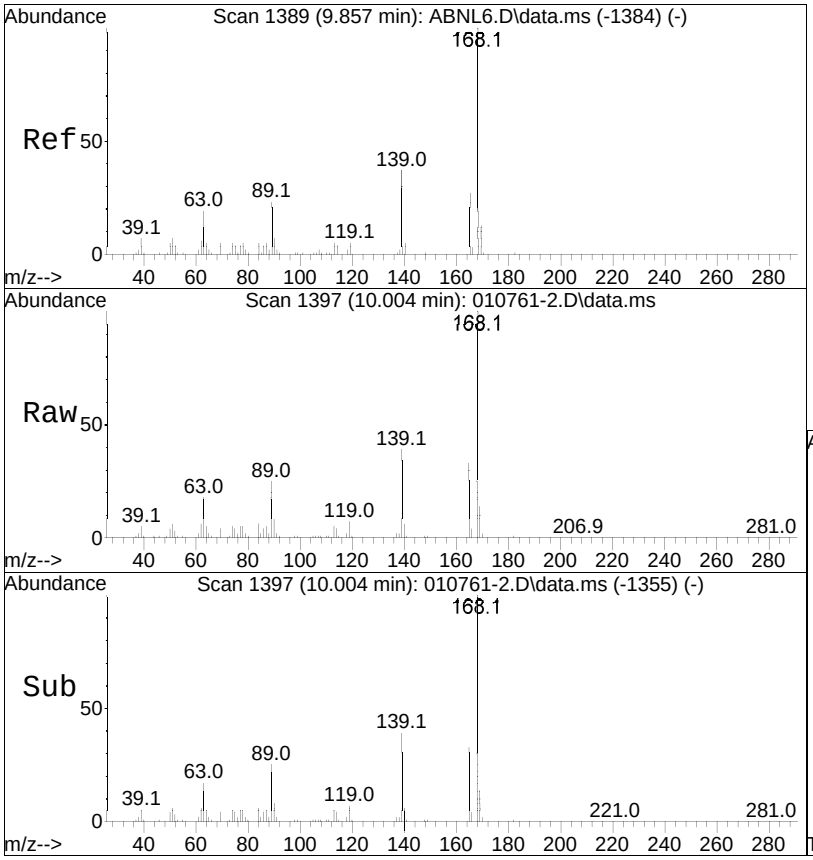


#67
Dibenzofuran
Concen: 1.23 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:168 Resp: 82765

Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.4	47.2

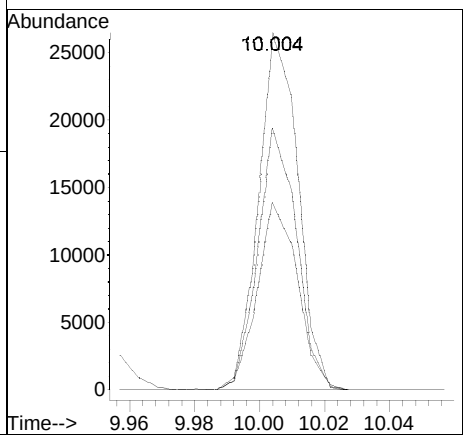


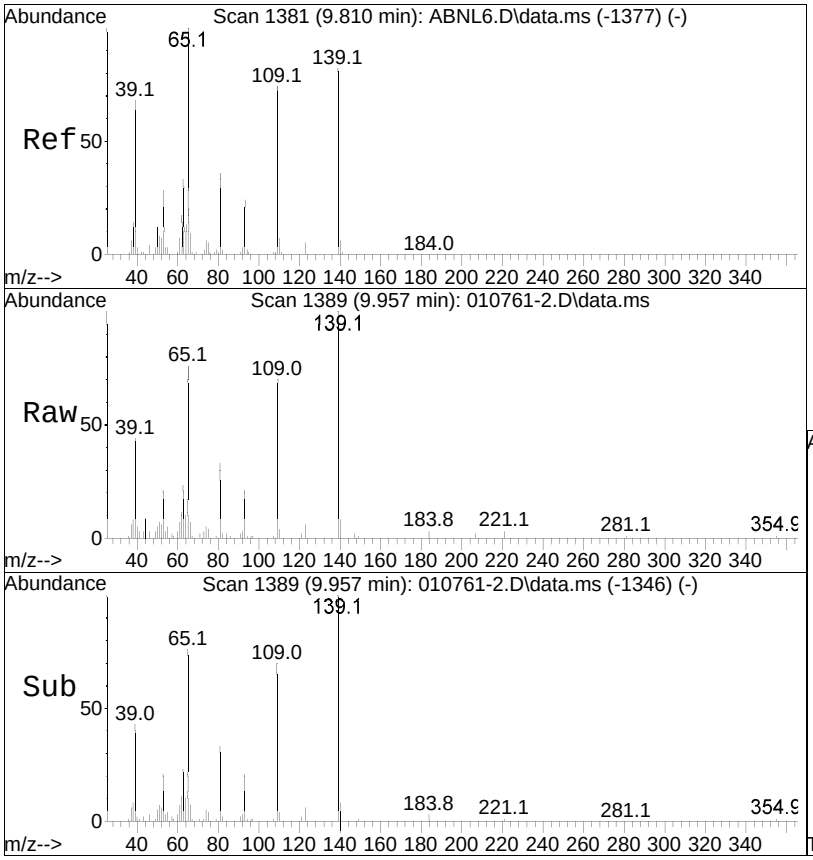


#68
2,4-Dinitrotoluene
Concen: 1.47 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:165 Resp: 22144

Ion	Ratio	Lower	Upper
165	100		
89	72.2	72.0	108.0
63	54.1	52.7	79.1

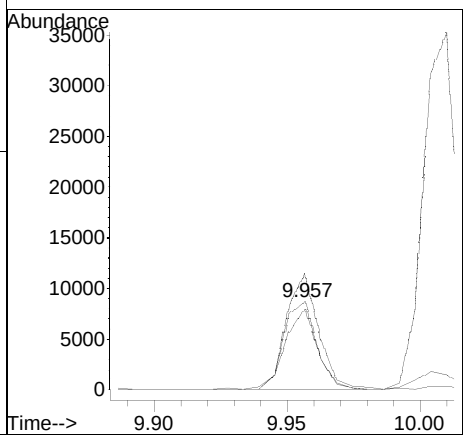


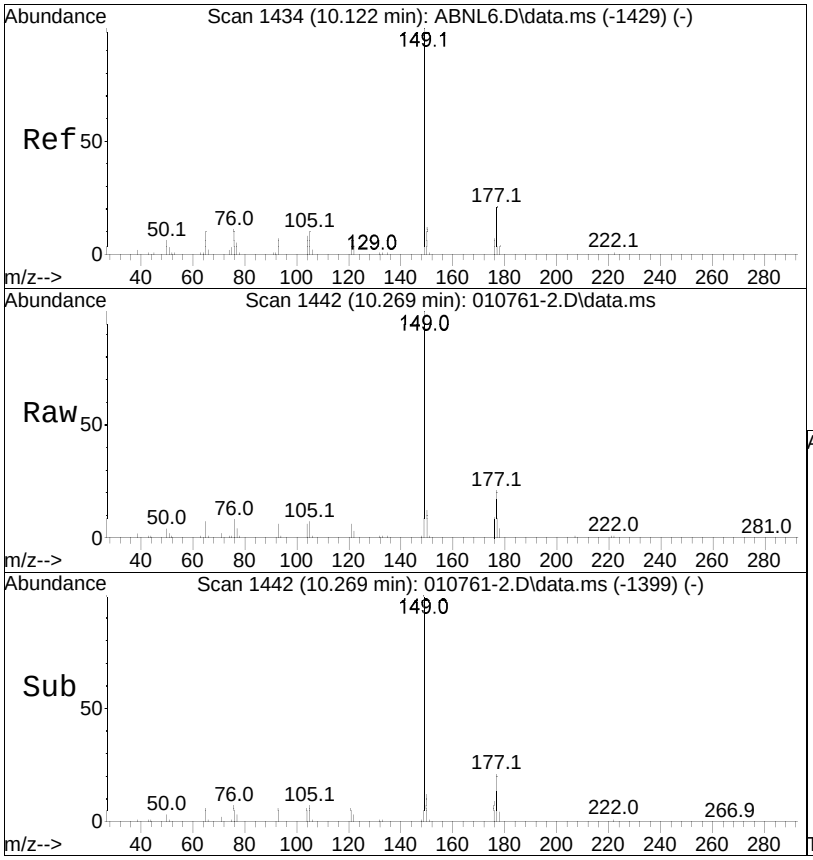


#69
4-Nitrophenol
Concen: 0.89 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion: 65 Resp: 7646

Ion	Ratio	Lower	Upper
65	100		
109	86.8	47.4	71.2#
139	127.0	76.6	115.0#

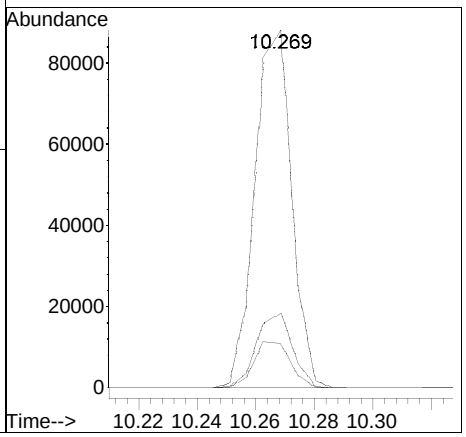


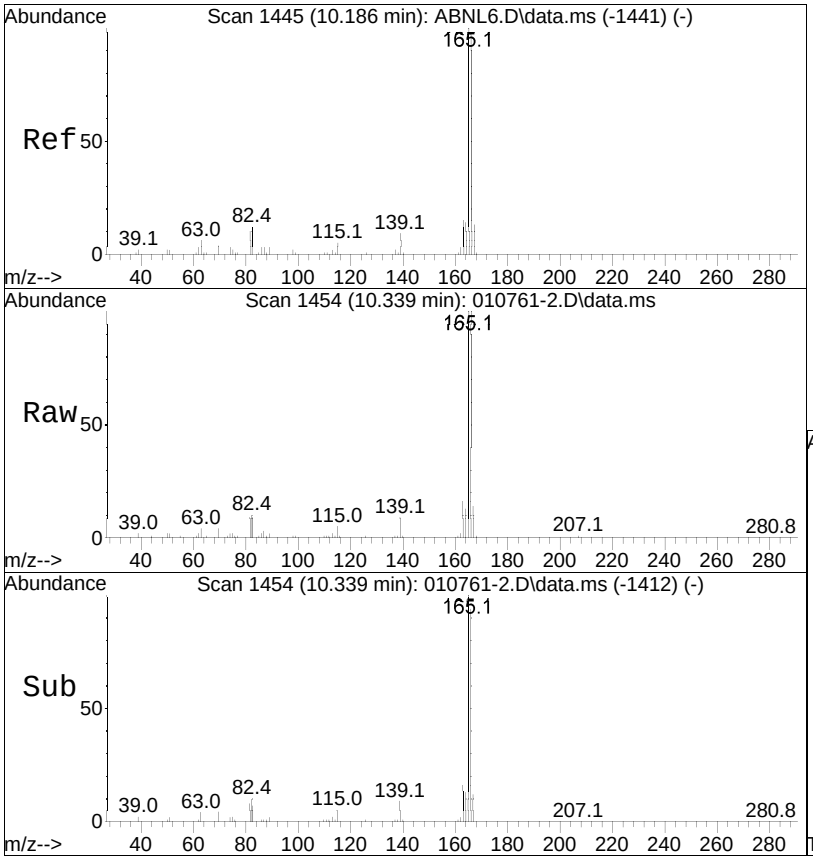


#72
Diethyl phthalate
Concen: 1.40 ug/ml
RT: 10.269 min Scan# 1442
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:149 Resp: 76455

Ion	Ratio	Lower	Upper
149	100		
177	20.7	16.1	24.1
150	13.1	9.4	14.2

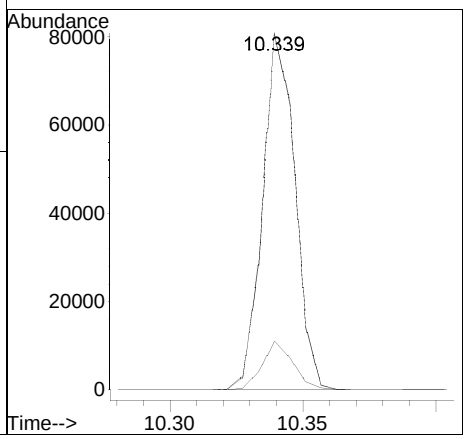


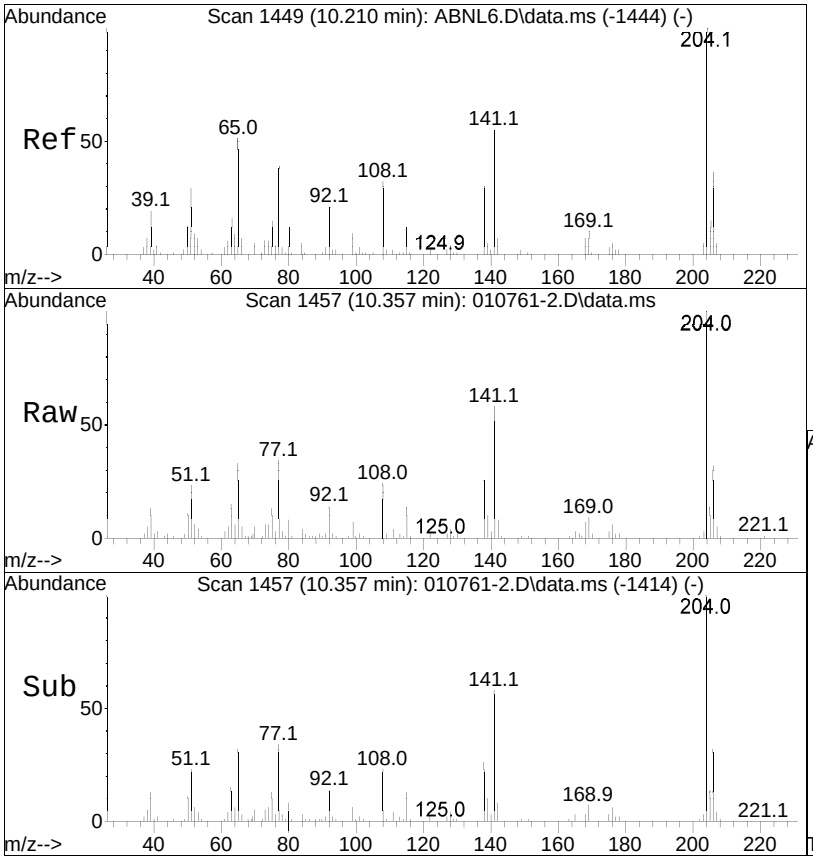


#73
Fluorene
Concen: 1.29 ug/ml
RT: 10.339 min Scan# 1454
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:166 Resp: 67859

Ion	Ratio	Lower	Upper
166	100		
165	100.4	76.2	114.2
167	13.2	10.6	15.8

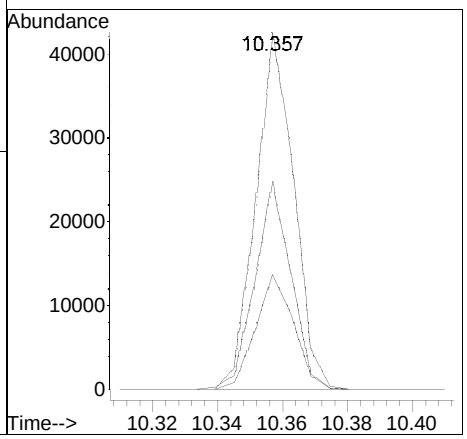


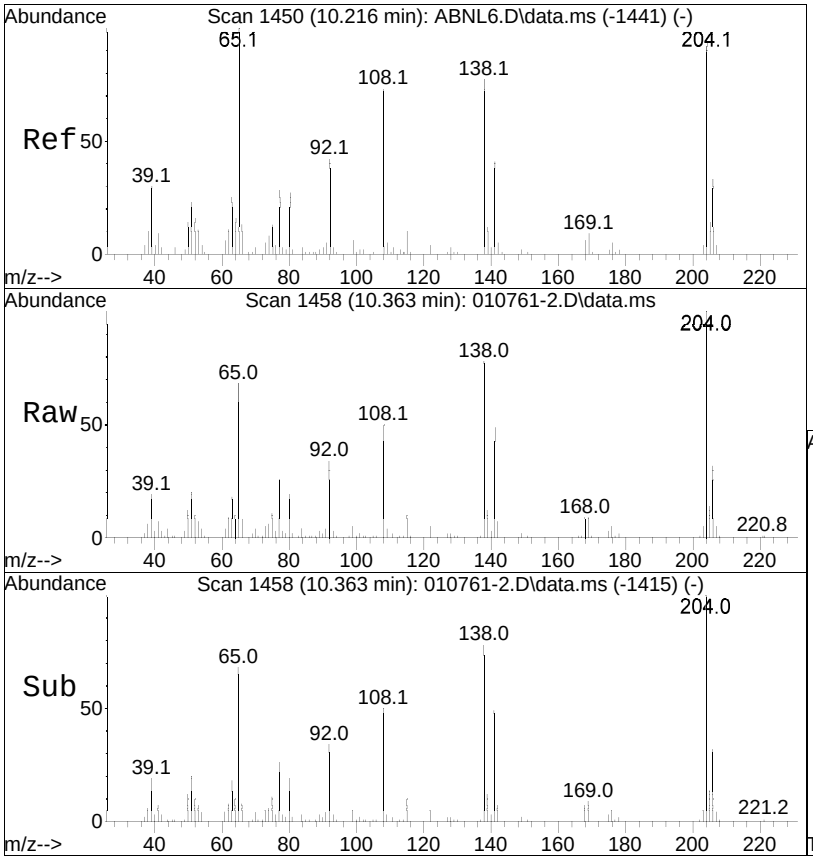


#74
4-Chlorophenyl phenyl ether
Concen: 1.26 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:204 Resp: 34132

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	55.6	53.6	80.4

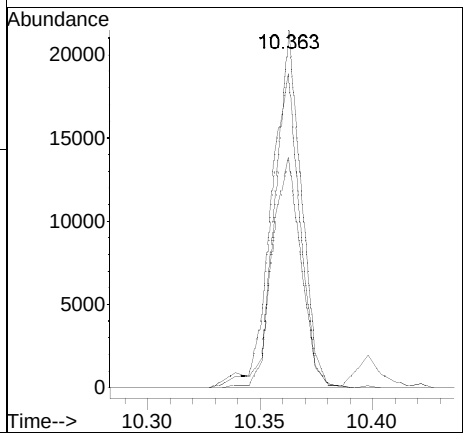


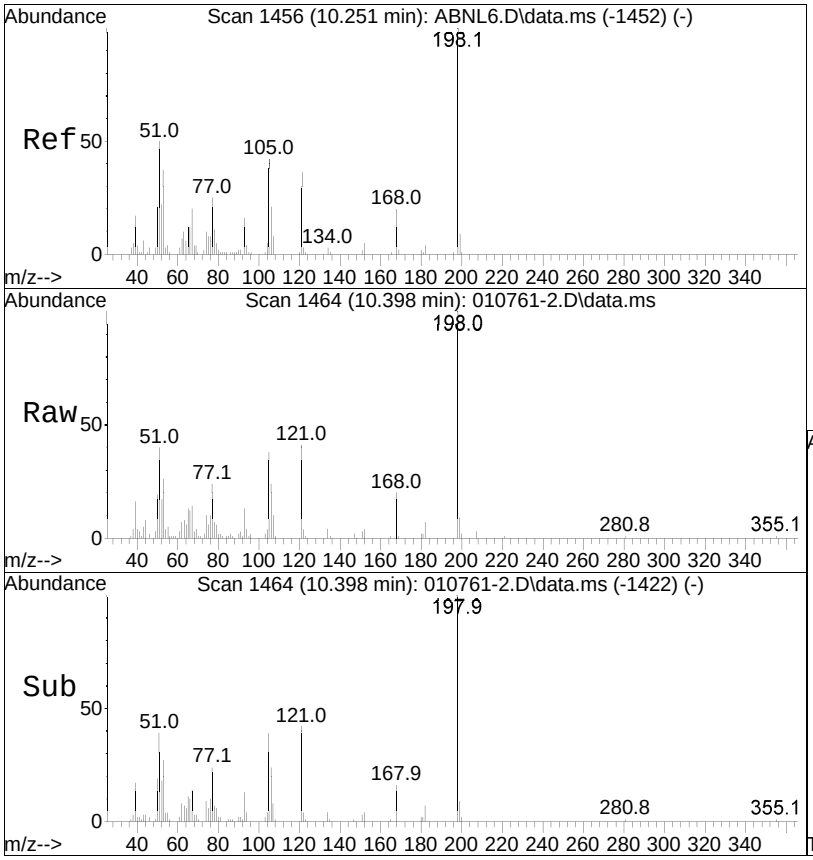


#75
4-Nitroaniline
Concen: 1.49 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:138 Resp: 17625

Ion	Ratio	Lower	Upper
138	100		
108	69.9	52.1	78.1
65	97.9	115.0	172.6#

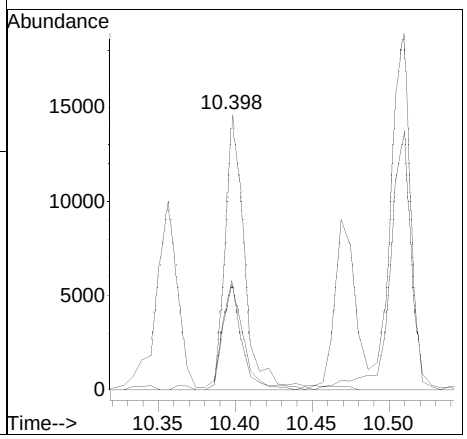


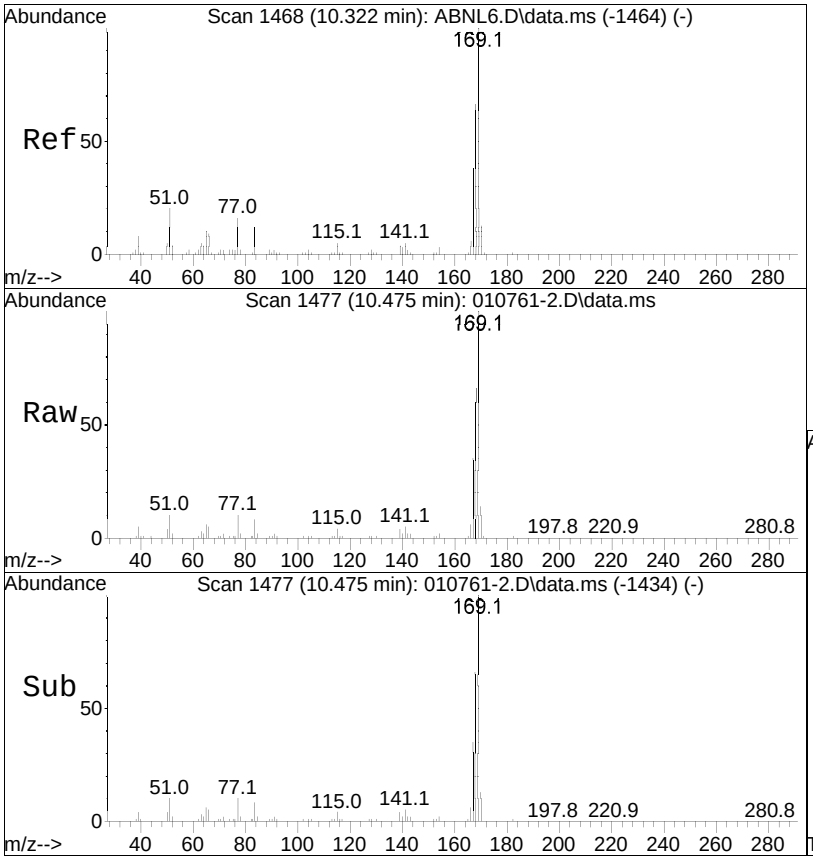


#76
4,6-Dinitro-o-cresol
Concen: 1.54 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:198 Resp: 13164

Ion	Ratio	Lower	Upper
198	100		
51	39.2	76.0	114.0#
105	39.4	45.6	68.4#

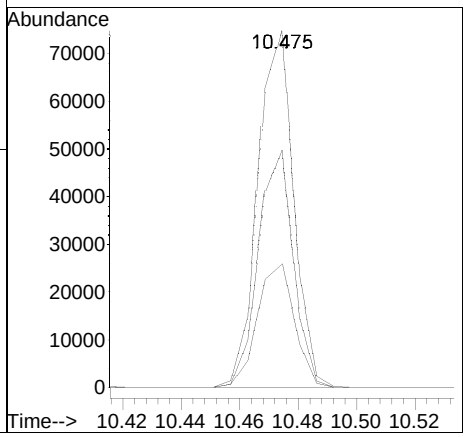


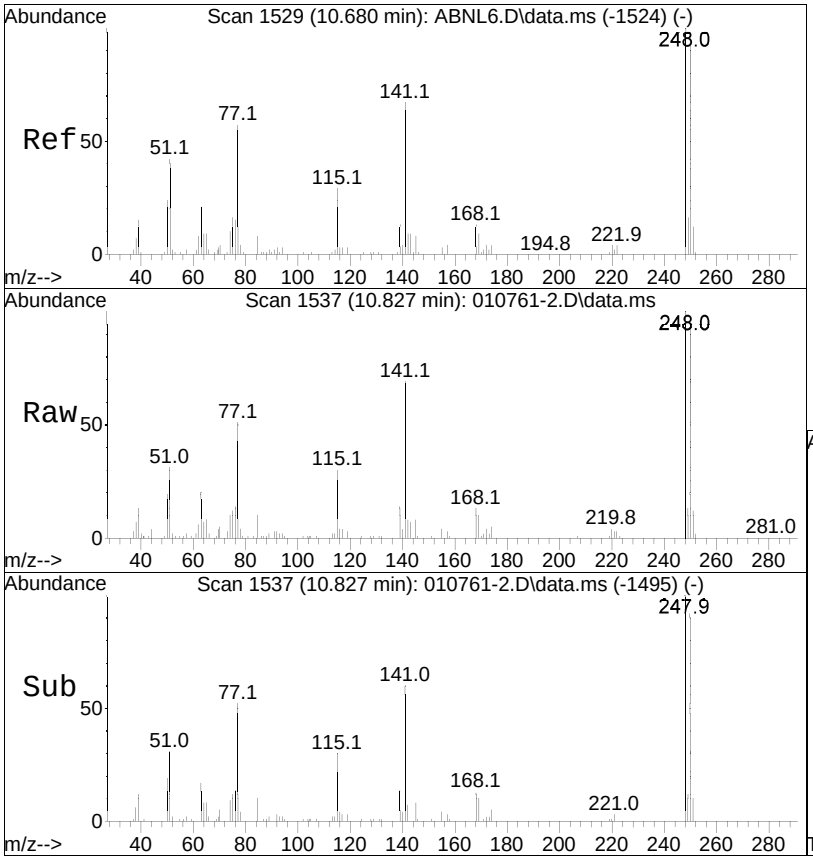


#77
NDPA/DPA
Concen: 1.39 ug/ml
RT: 10.475 min Scan# 1477
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:169 Resp: 63392

Ion	Ratio	Lower	Upper
169	100		
168	65.1	54.0	81.0
167	36.3	28.6	42.8

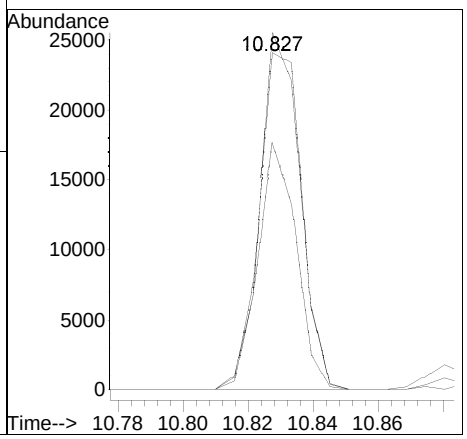


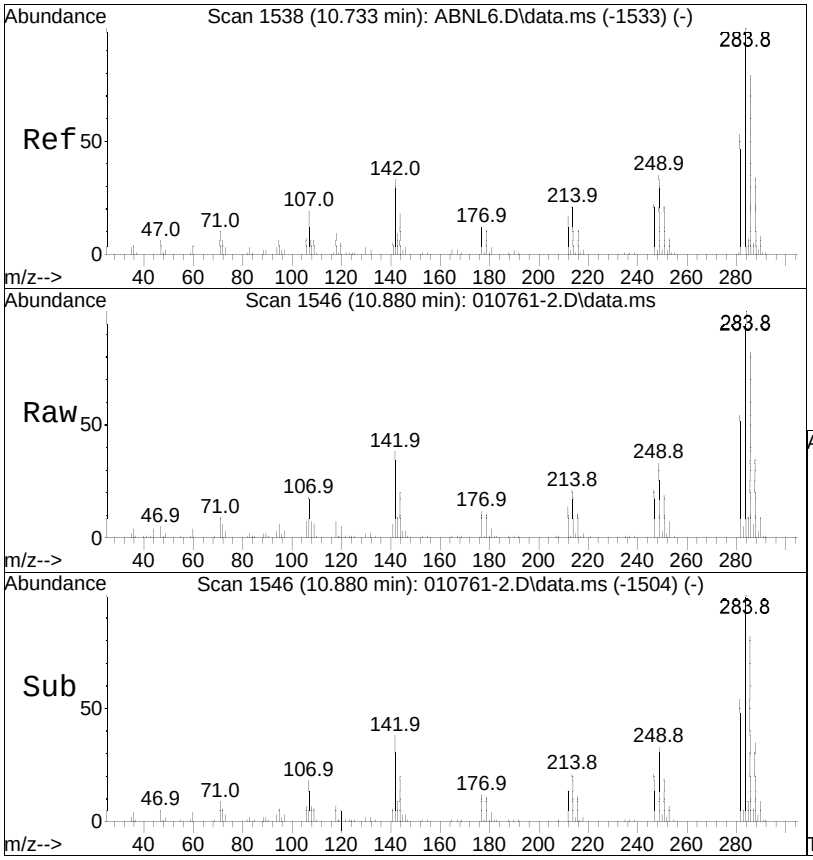


#80
4-Bromophenyl phenyl ether
Concen: 1.29 ug/ml
RT: 10.827 min Scan# 1537
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:248 Resp: 21685

Ion	Ratio	Lower	Upper
248	100		
141	67.6	76.6	114.8#
250	101.2	77.3	115.9

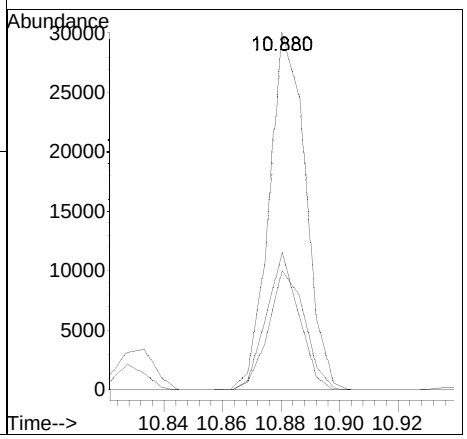


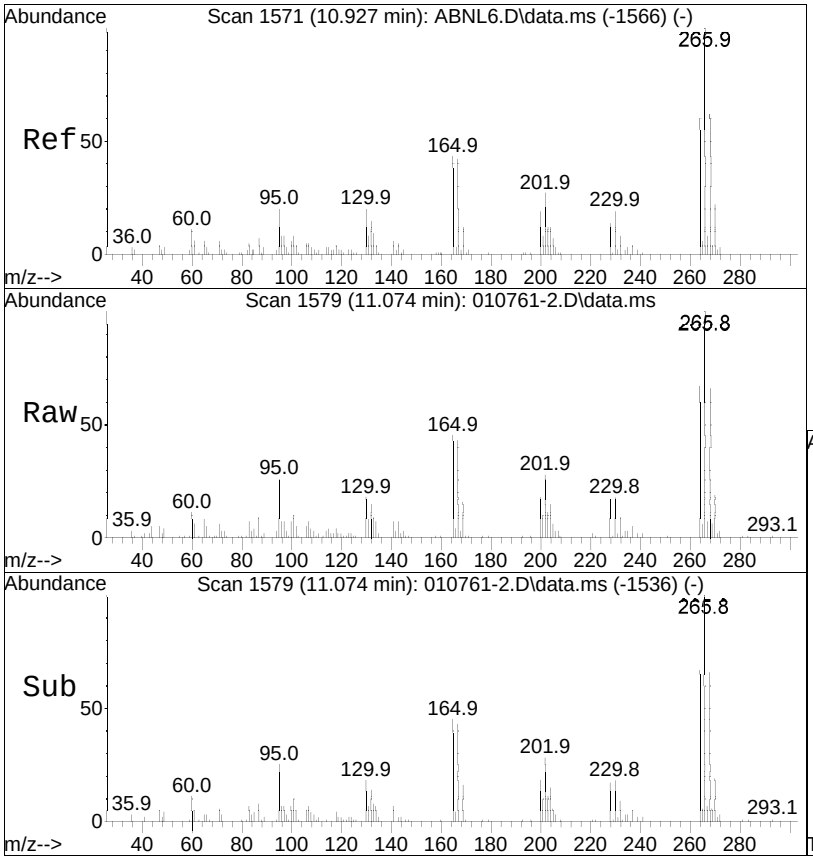


#81
Hexachlorobenzene
Concen: 1.37 ug/ml
RT: 10.880 min Scan# 1546
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:284 Resp: 25934

Ion	Ratio	Lower	Upper
284	100		
142	34.5	41.9	62.9#
249	33.6	24.1	36.1

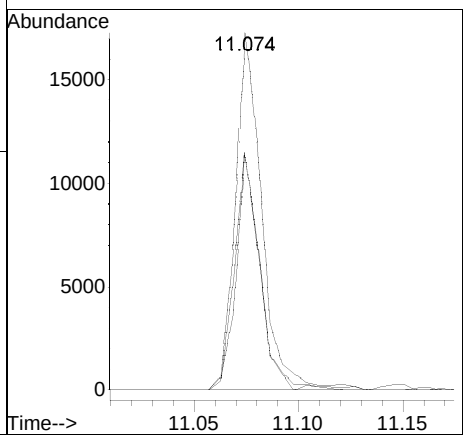


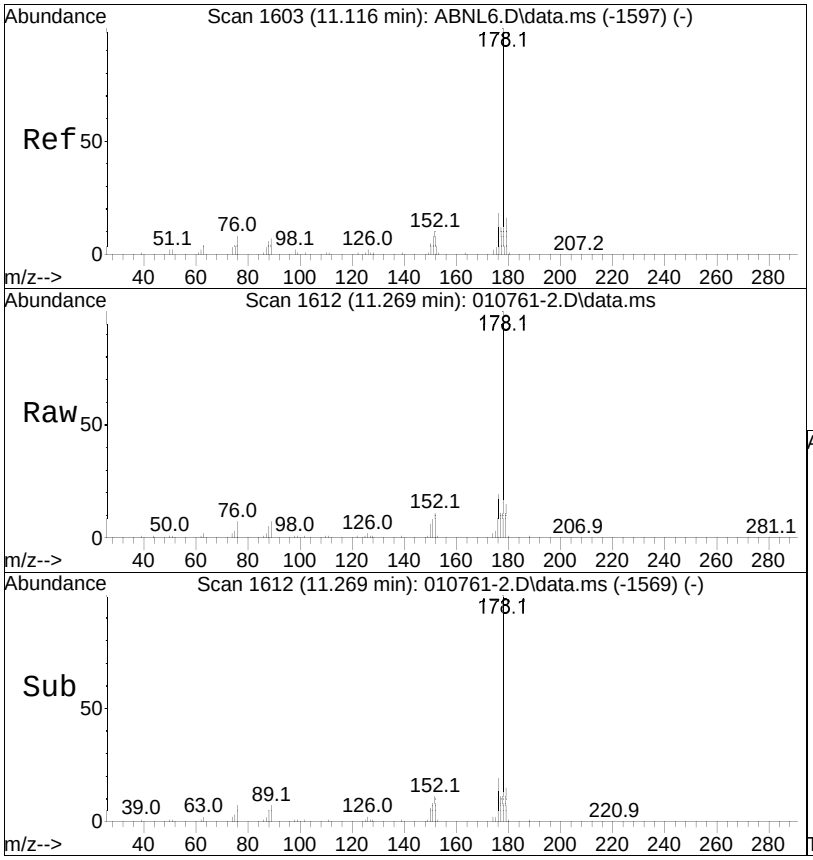


#82
Pentachlorophenol
Concen: 1.32 ug/ml
RT: 11.074 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:266 Resp: 15172

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.7	74.5
268	61.6	50.5	75.7

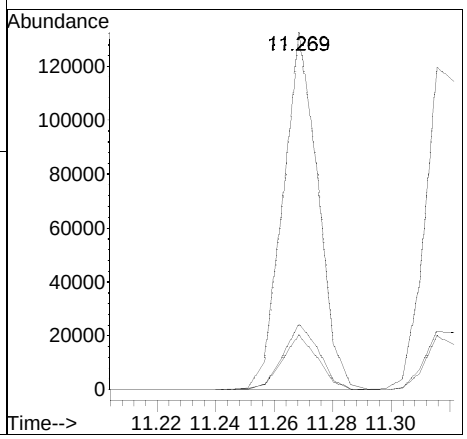


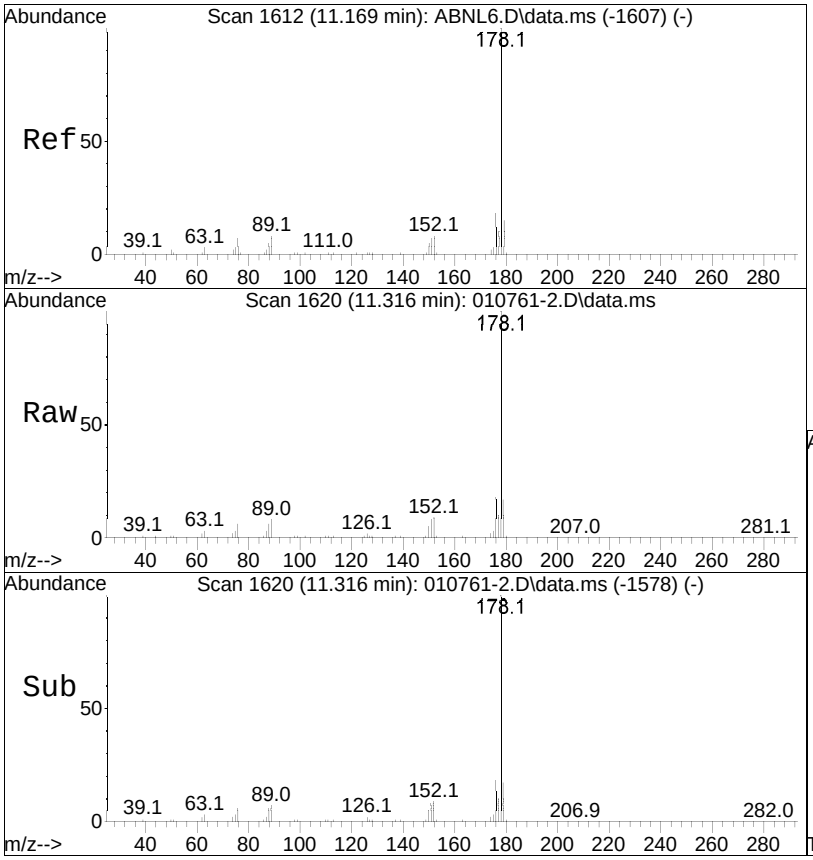


#89
Phenanthrene
Concen: 1.31 ug/ml
RT: 11.269 min Scan# 1612
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:178 Resp: 110530

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	18.8	15.4	23.2

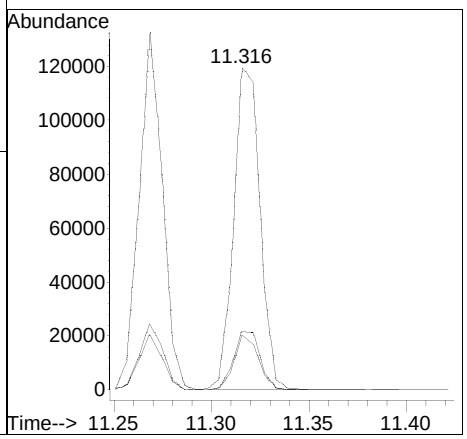


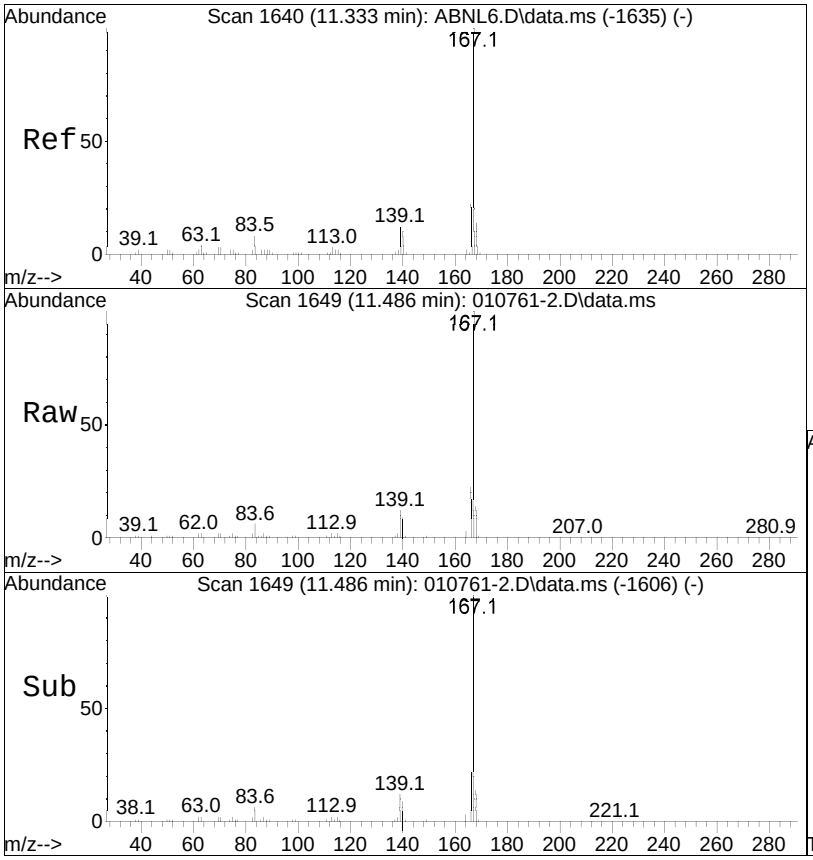


#90
Anthracene
Concen: 1.33 ug/ml
RT: 11.316 min Scan# 1620
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:178 Resp: 112339

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.0	18.0
176	18.4	14.6	22.0

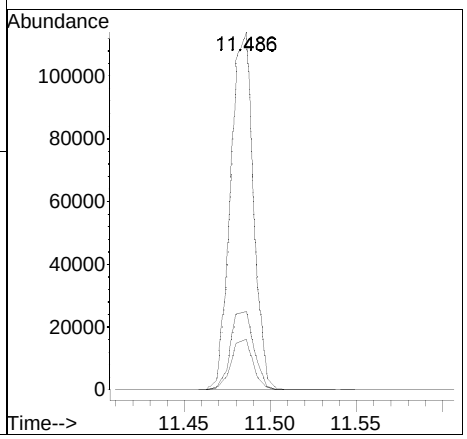


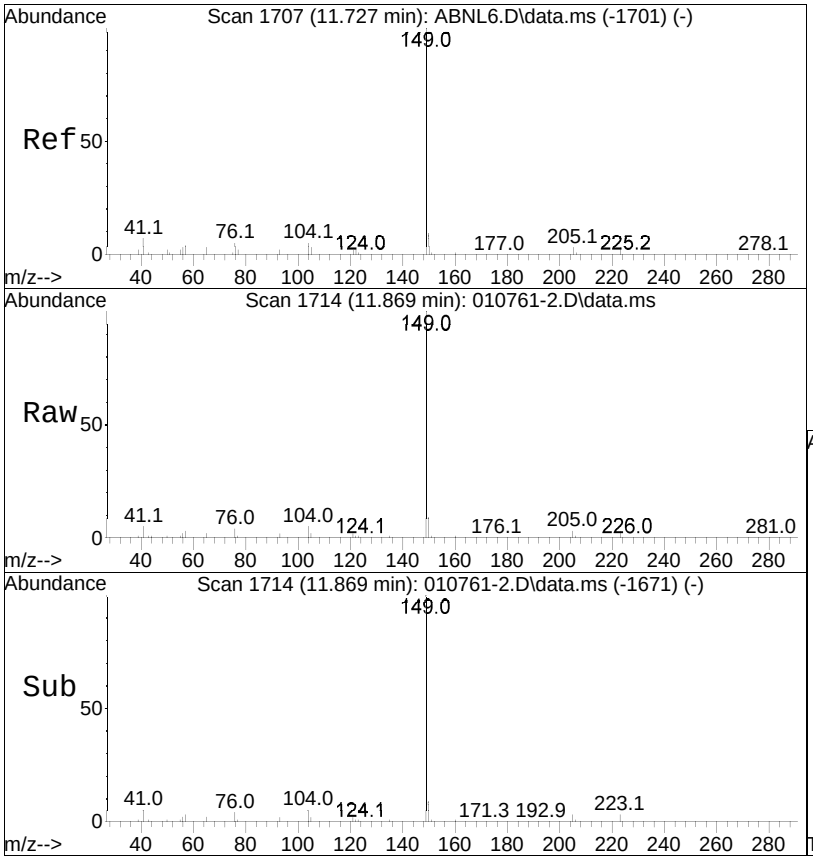


#91
Carbazole
Concen: 1.37 ug/ml
RT: 11.486 min Scan# 1649
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:167 Resp: 104040

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.6	17.4	26.0

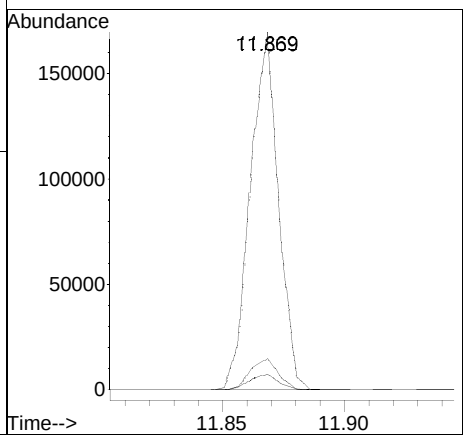


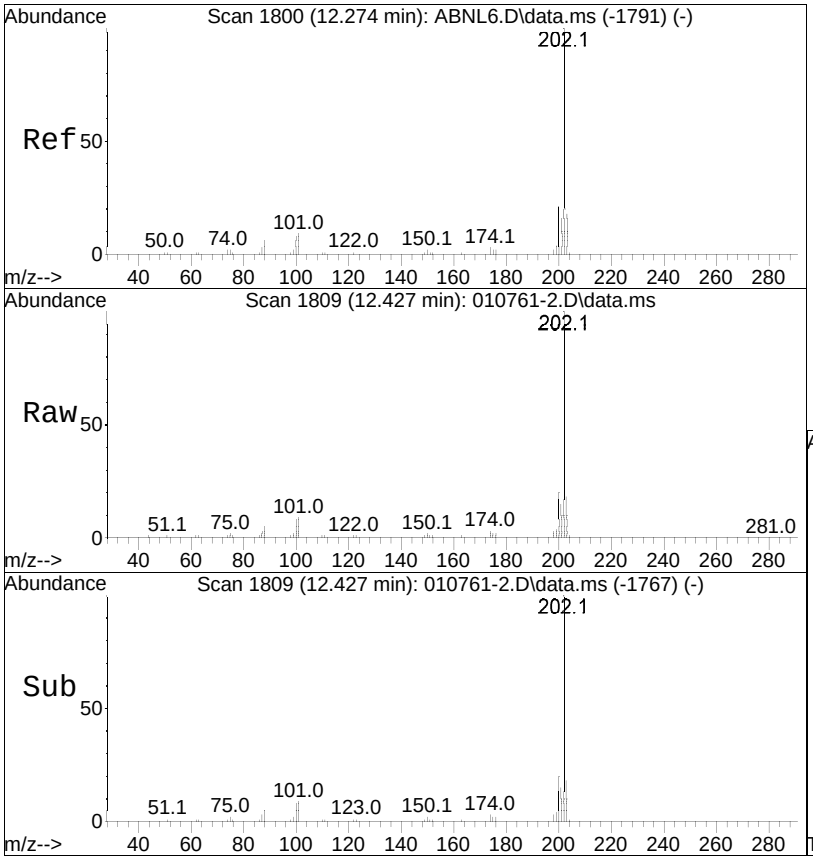


#92
Di-n-butylphthalate
Concen: 1.41 ug/ml
RT: 11.869 min Scan# 1714
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:149 Resp: 134395

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.8	4.5	6.7

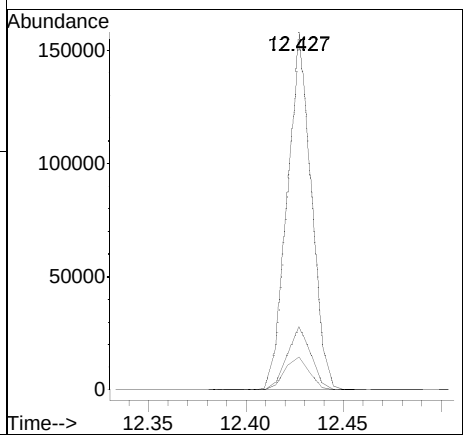


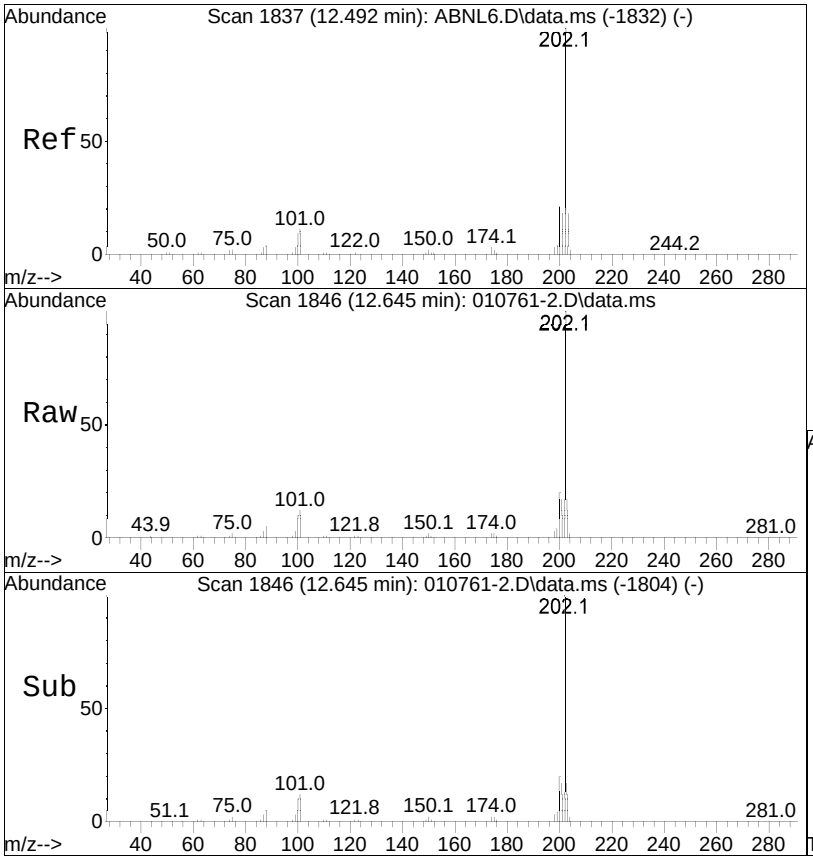


#93
Fluoranthene
Concen: 1.37 ug/ml
RT: 12.427 min Scan# 1809
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:202 Resp: 134235

Ion	Ratio	Lower	Upper
202	100		
101	9.6	13.5	20.3#
203	17.6	13.6	20.4

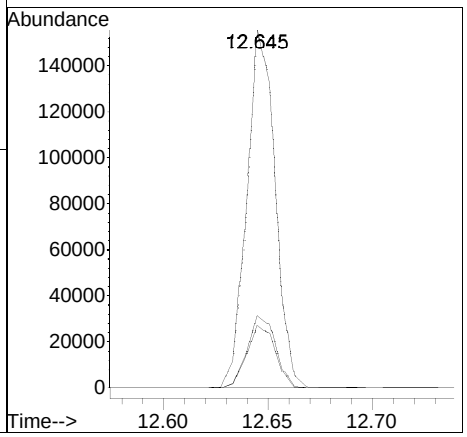


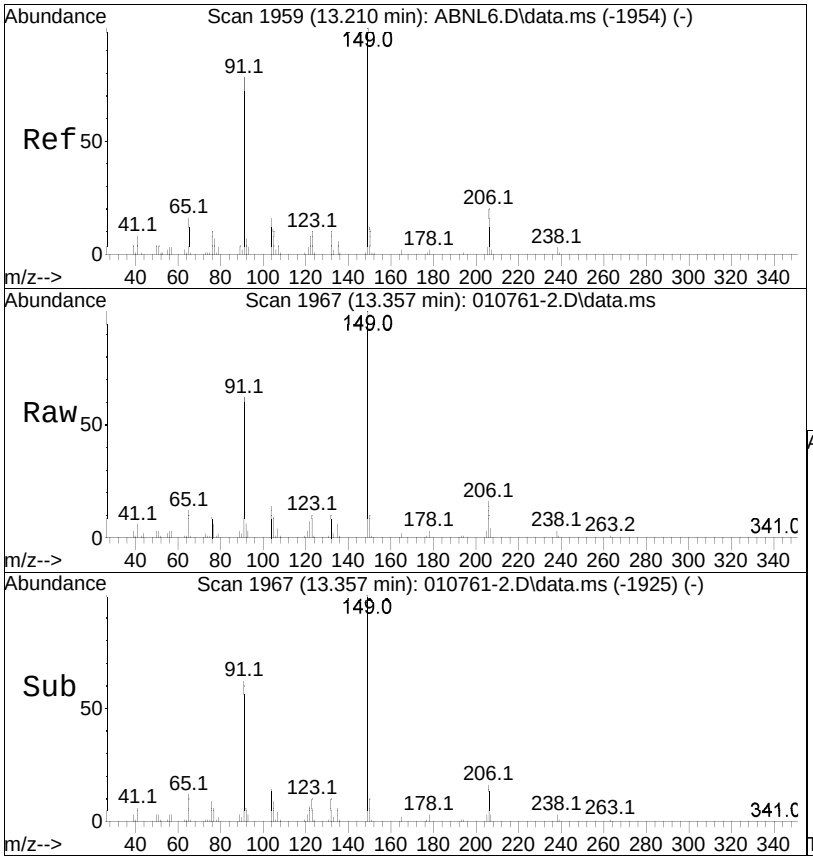


#95
Pyrene
Concen: 1.41 ug/ml
RT: 12.645 min Scan# 1846
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:202 Resp: 144924

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	17.8	14.2	21.4

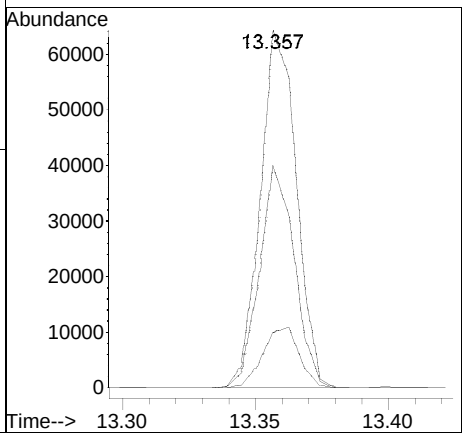


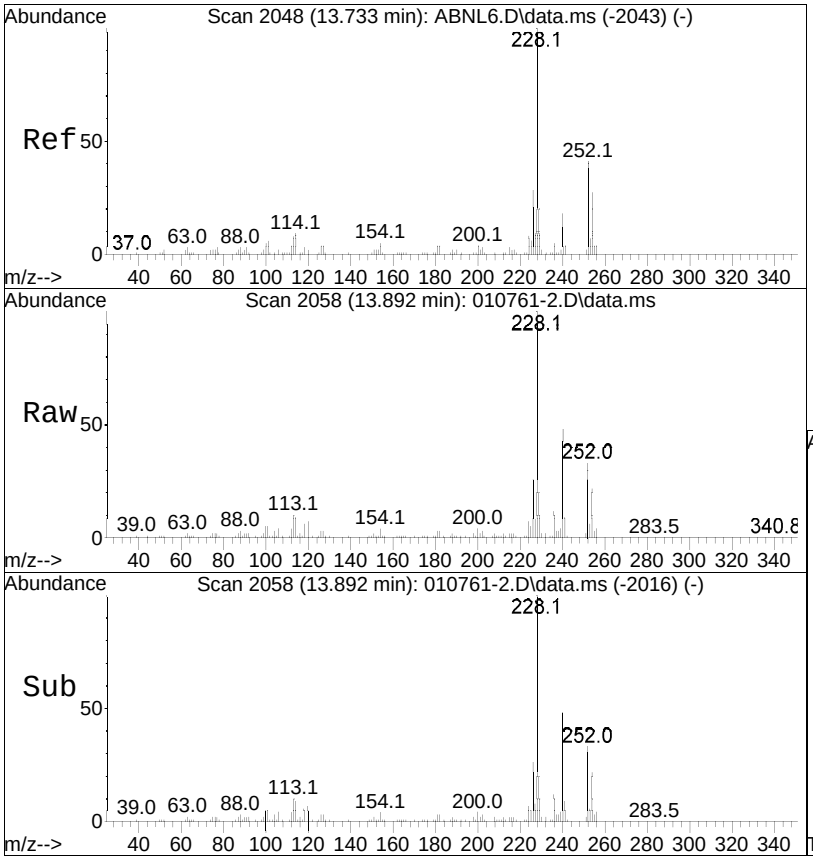


#97
Butyl benzyl phthalate
Concen: 1.50 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:149 Resp: 59919

Ion	Ratio	Lower	Upper
149	100		
91	60.2	63.3	94.9#
206	17.4	13.9	20.9

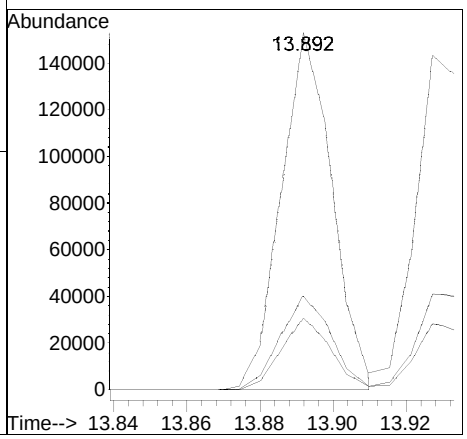


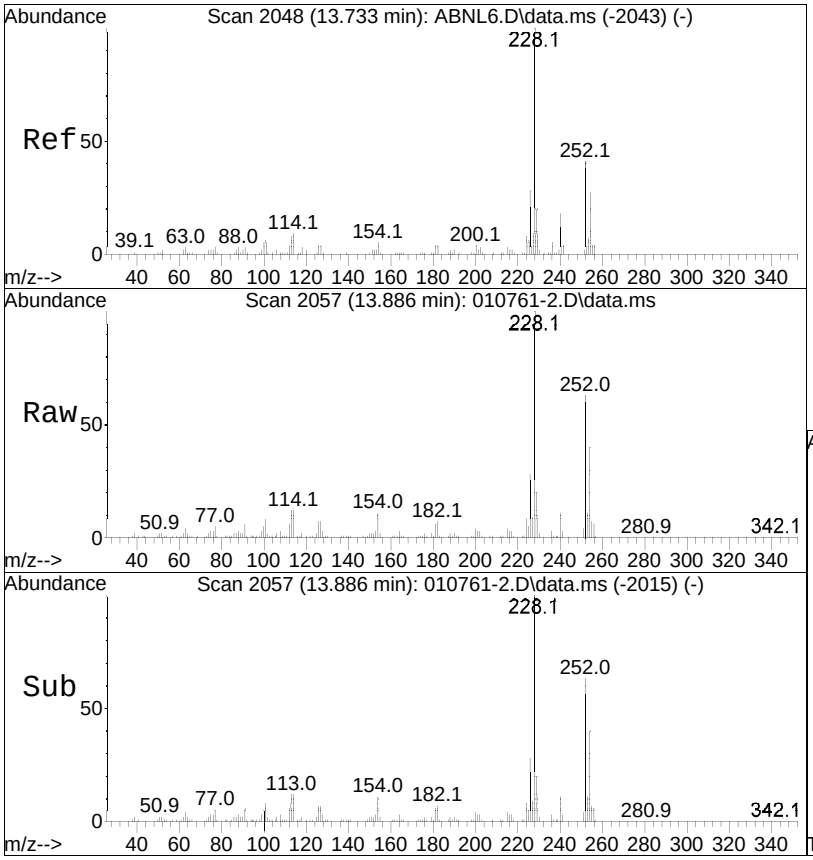


#105
Benzo(a)anthracene
Concen: 1.34 ug/ml
RT: 13.892 min Scan# 2058
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:228 Resp: 148016

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.2	33.4
229	19.7	15.6	23.4

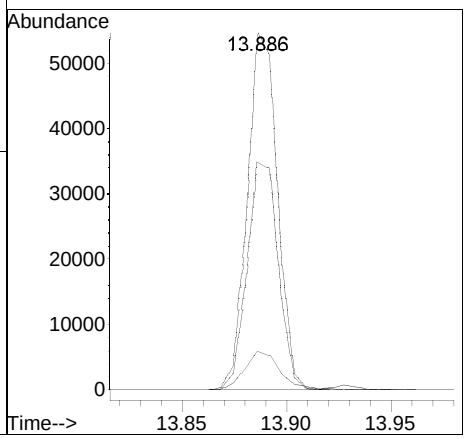


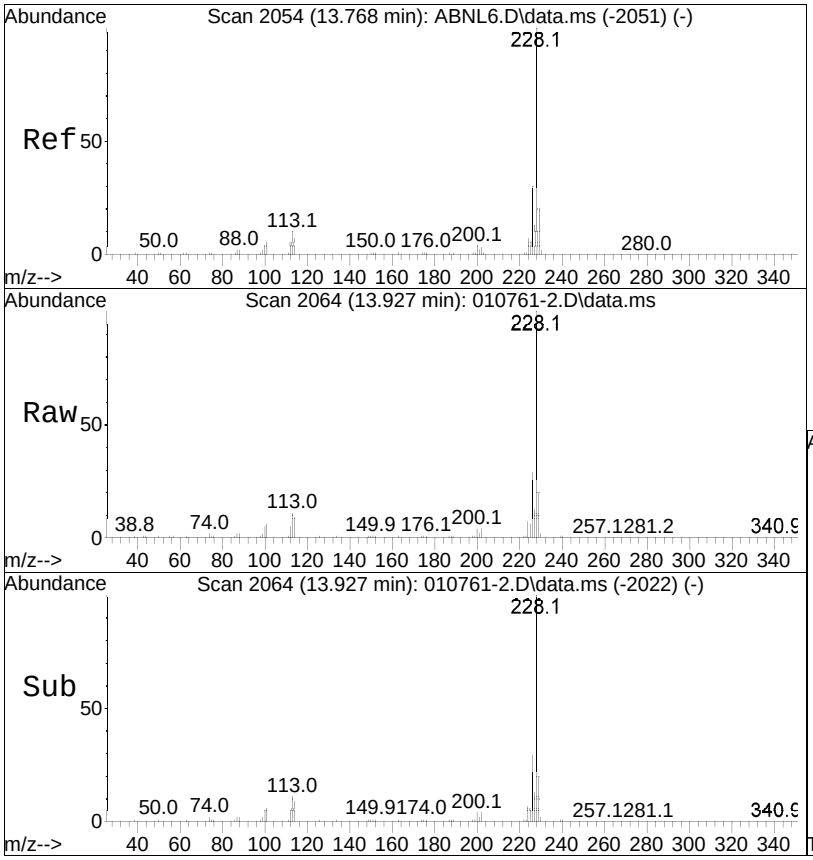


#106
3,3'-Dichlorobenzidine
Concen: 1.51 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:252 Resp: 54676

Ion	Ratio	Lower	Upper
252	100		
126	12.8	14.5	21.7#
254	65.7	51.2	76.8

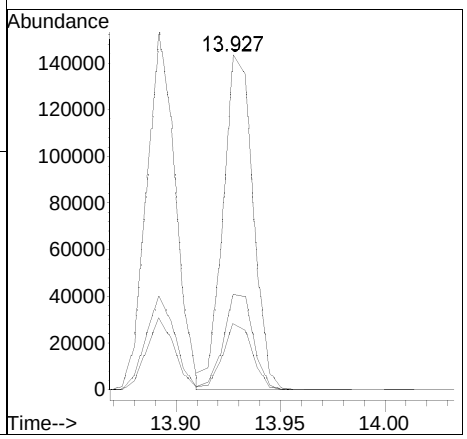


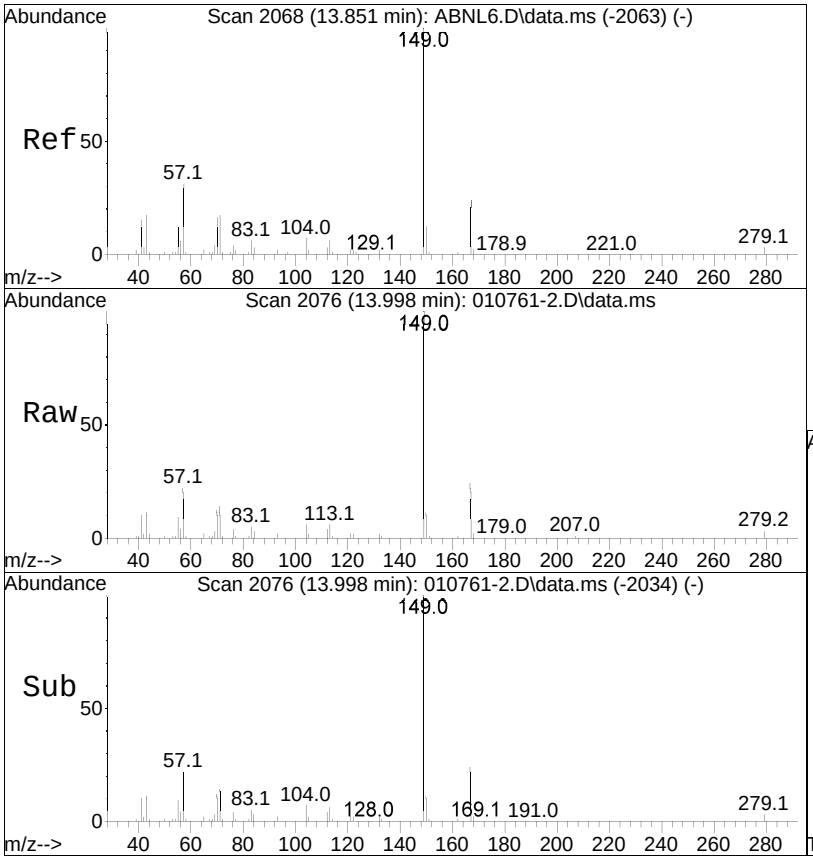


#107
Chrysene
Concen: 1.35 ug/ml
RT: 13.927 min Scan# 2064
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:228 Resp: 143308

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.0	36.0
229	19.7	15.8	23.8

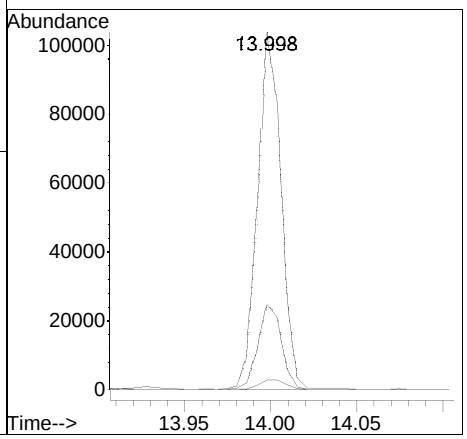


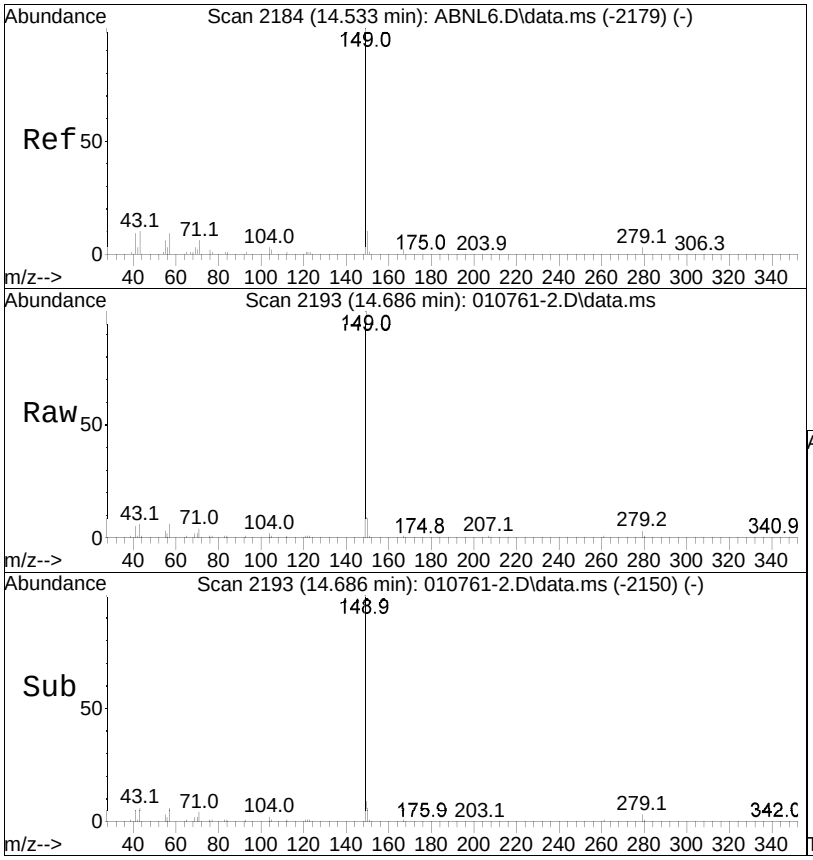


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.46 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:149 Resp: 96679

Ion	Ratio	Lower	Upper
149	100		
167	24.0	22.1	33.1
279	2.9	3.0	4.4#

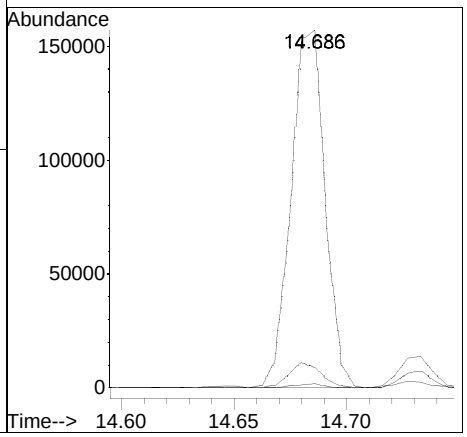


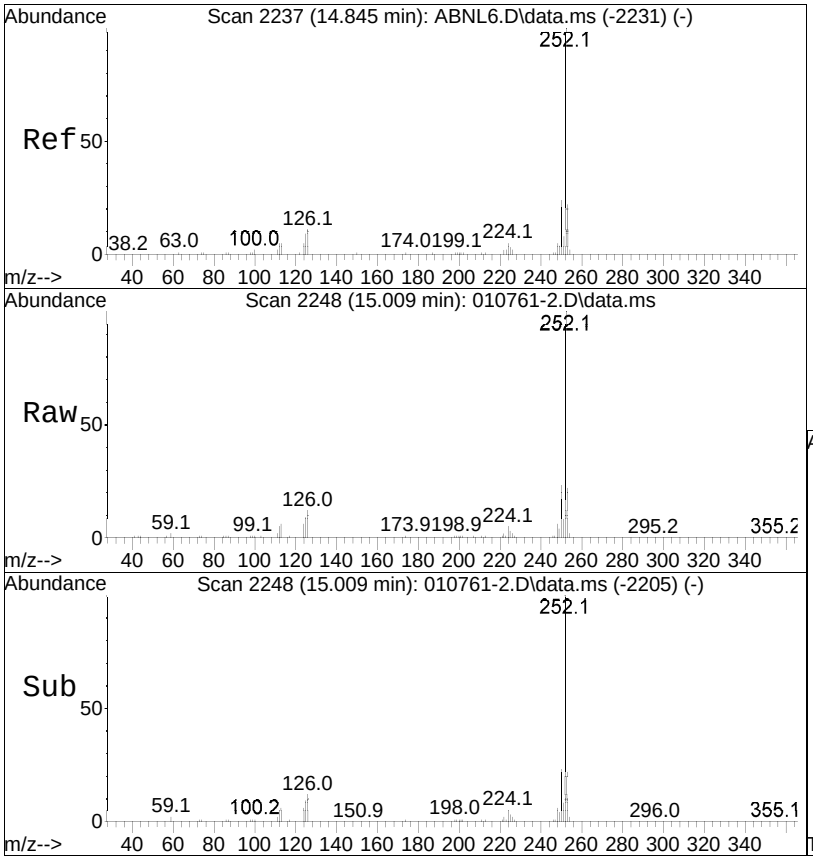


#109
Di-n-octylphthalate
Concen: 1.49 ug/ml
RT: 14.686 min Scan# 2193
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:149 Resp: 163292

Ion	Ratio	Lower	Upper
149	100		
43	6.6	18.8	28.2#
167	1.3	1.3	1.9#

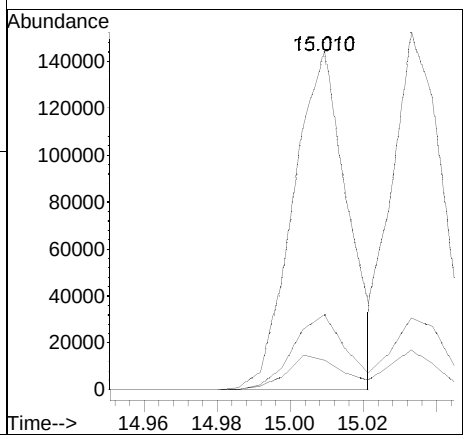


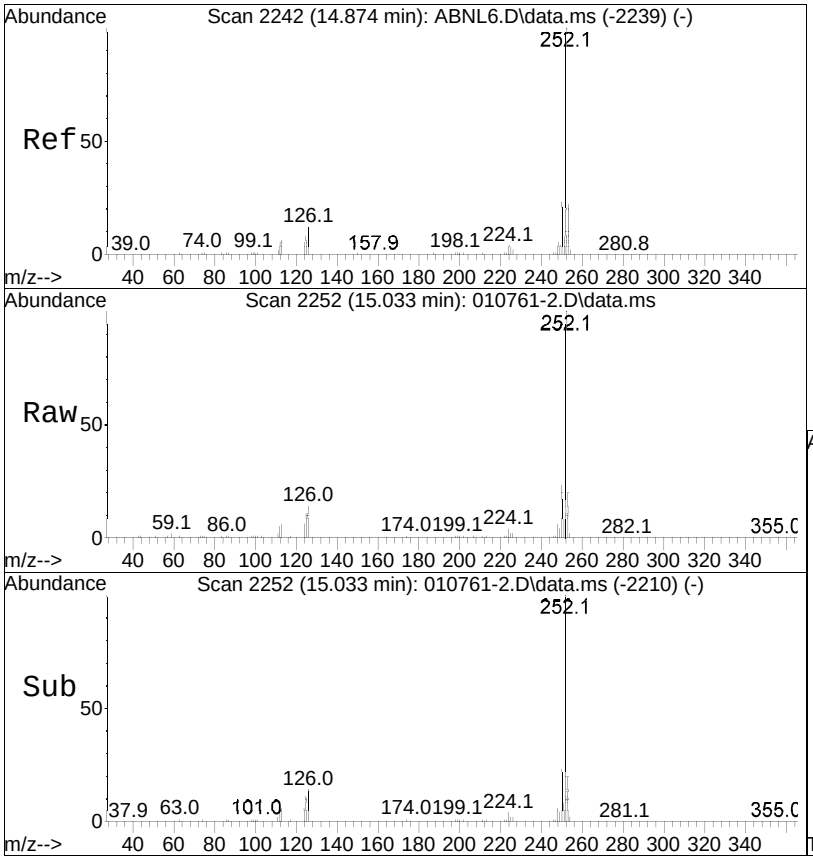


#110
Benzo(b)fluoranthene
Concen: 1.42 ug/ml
RT: 15.009 min Scan# 2248
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:252 Resp: 151576

Ion	Ratio	Lower	Upper
252	100		
125	10.6	13.3	19.9#
253	21.8	17.1	25.7

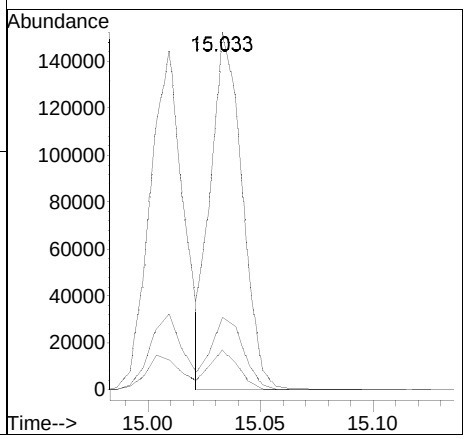


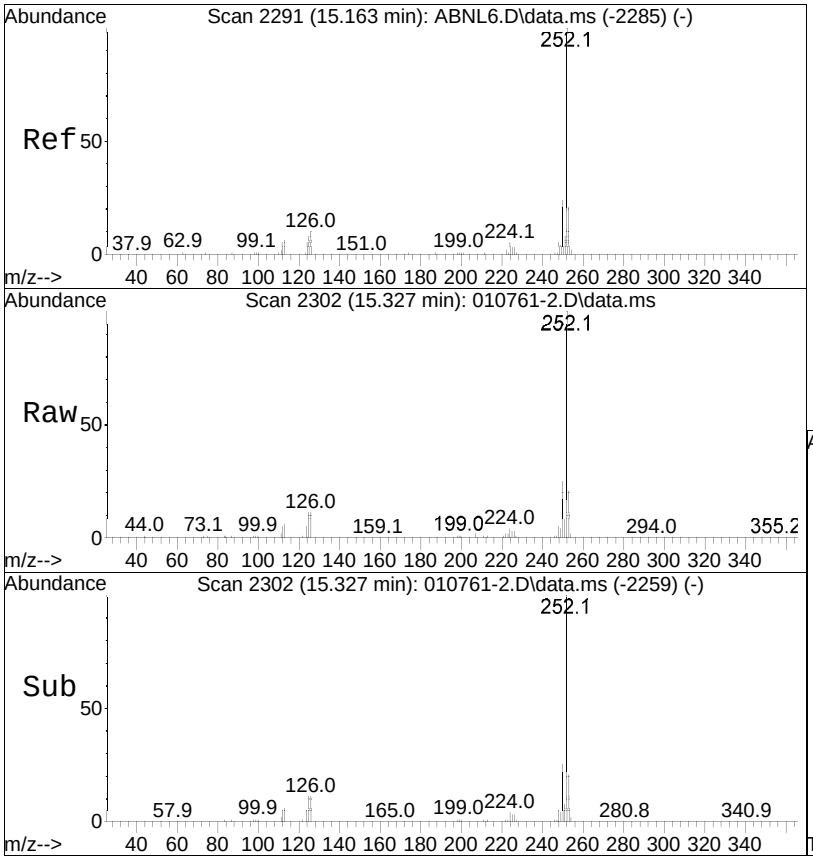


#111
Benzo(k)fluoranthene
Concen: 1.47 ug/ml
RT: 15.033 min Scan# 2252
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:252 Resp: 145842

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.0	19.6#
253	20.9	16.8	25.2

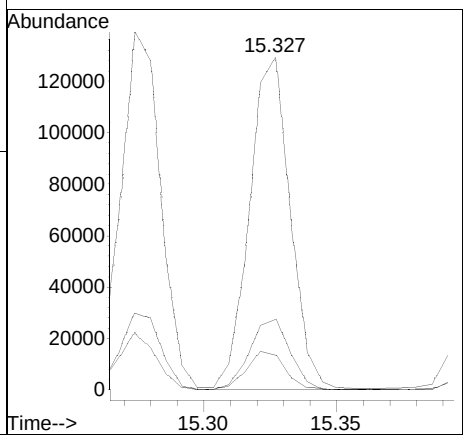


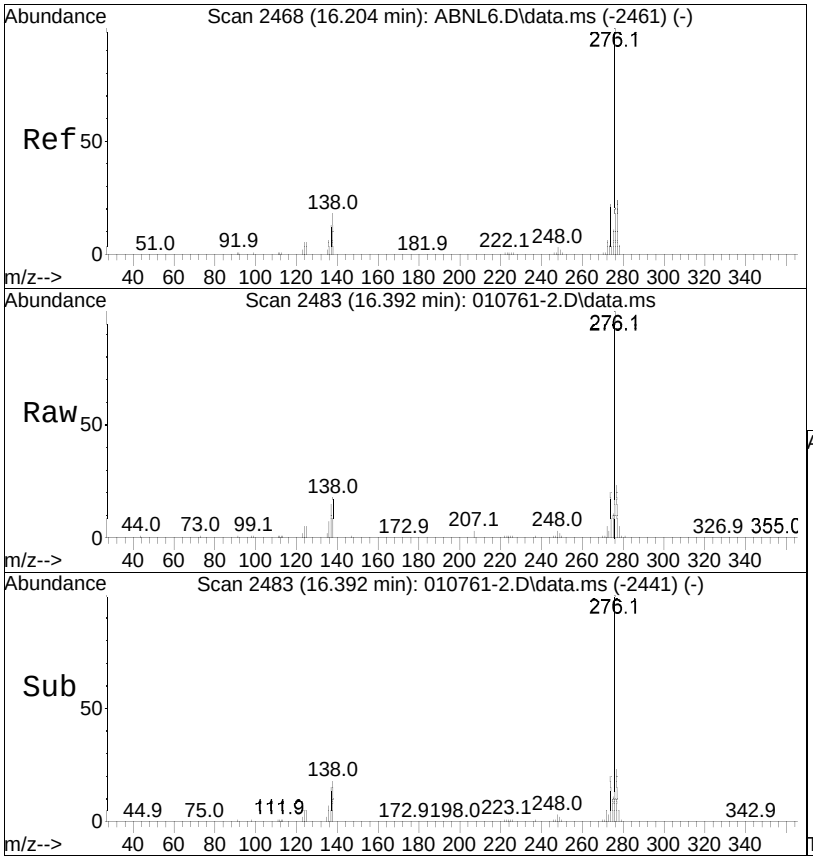


#112
Benzo(a)pyrene
Concen: 1.50 ug/ml M3
RT: 15.327 min Scan# 2302
Delta R.T. 0.000 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:252 Resp: 138449

Ion	Ratio	Lower	Upper
252	100		
125	16.3	14.2	21.2
253	23.1	16.9	25.3

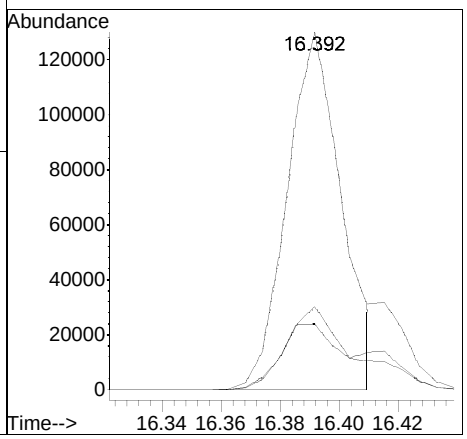


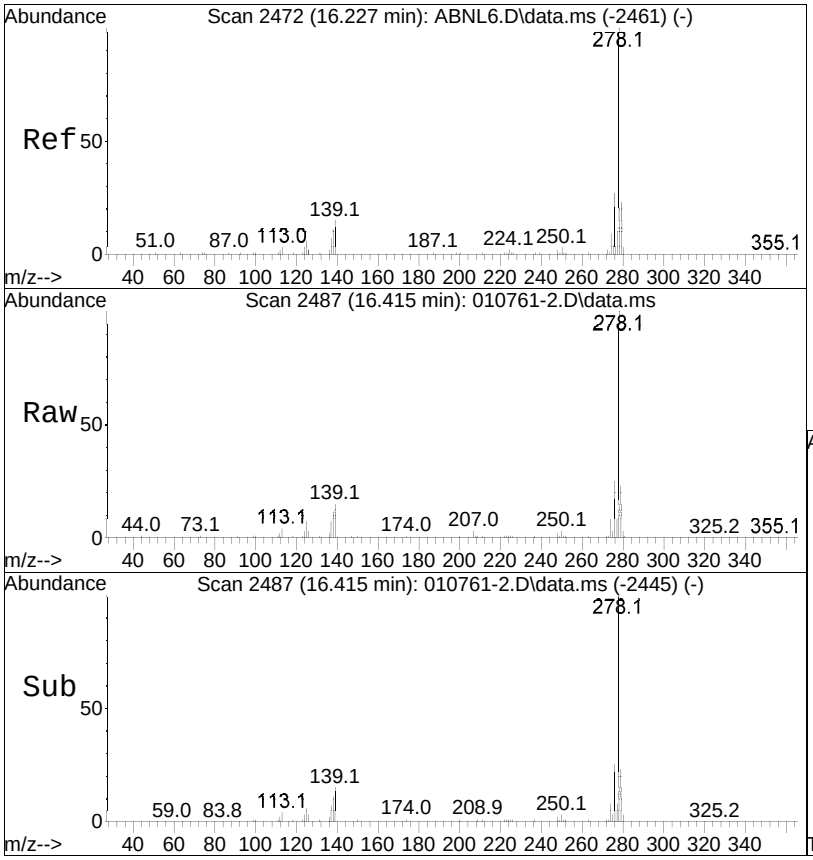


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.51 ug/mL M6
RT: 16.392 min Scan# 2483
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:276 Resp: 166425

Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.1	37.7
277	29.0	18.6	28.0#

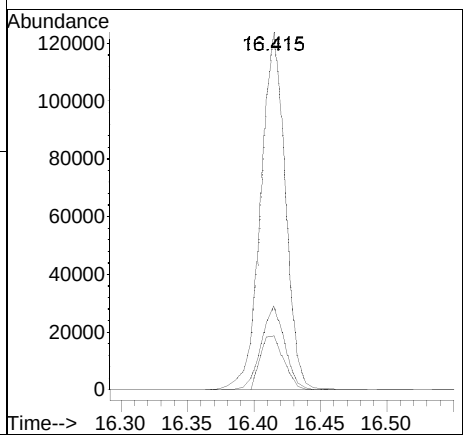


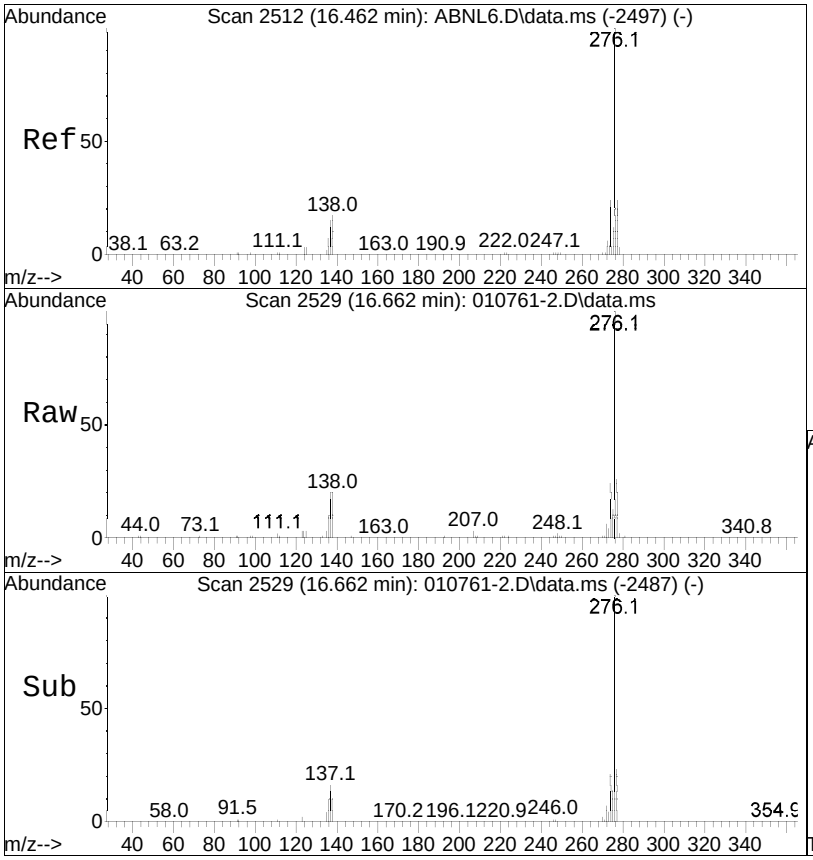


#115
Dibenzo(a,h)anthracene
Concen: 1.50 ug/ml
RT: 16.415 min Scan# 2487
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:278 Resp: 157551

Ion	Ratio	Lower	Upper
278	100		
139	14.7	20.8	31.2#
279	22.8	18.3	27.5

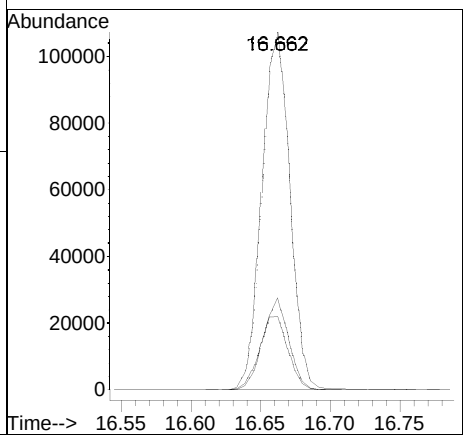




#116
Benzo(ghi)perylene
Concen: 1.51 ug/ml
RT: 16.662 min Scan# 2529
Delta R.T. -0.006 min
Lab File: 010761-2.D
Acq: 19 Dec 2024 1:05 am

Tgt Ion:276 Resp: 148279

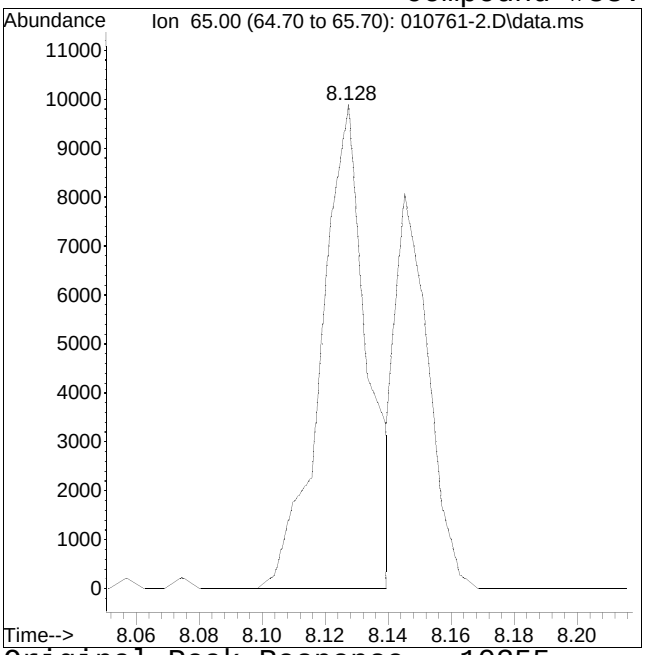
Ion	Ratio	Lower	Upper
276	100		
138	21.2	29.2	43.8#
277	23.9	18.8	28.2



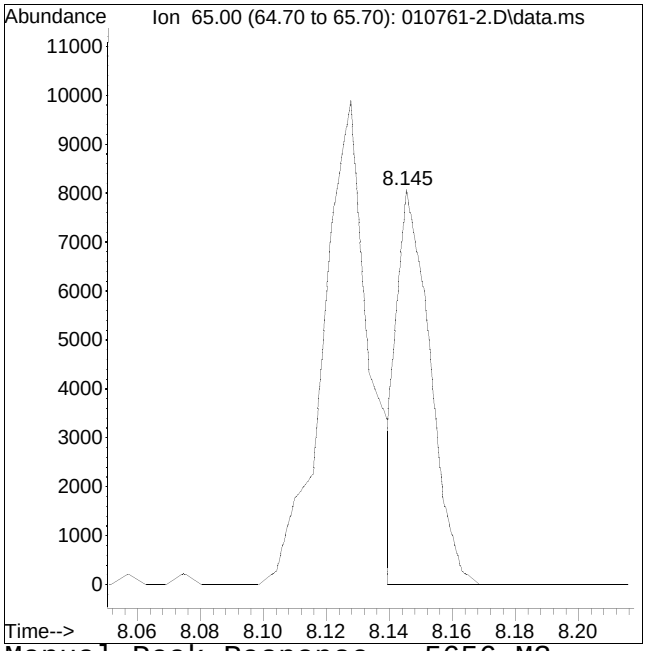
Manual Integration Report

Data Path : I:\8270\SV106\241218RVT\ QMethod : FS241009SV106.m
Data File : 010761-2.D Operator : SV106:im
Date Inj'd : 12/19/2024 1:05 am Instrument : SV 106
Sample : WG2010761-2,32,,ASK Quant Date : 12/19/2024 1:25 am

Compound #38: 4-Chloroaniline



Original Peak Response = 10355



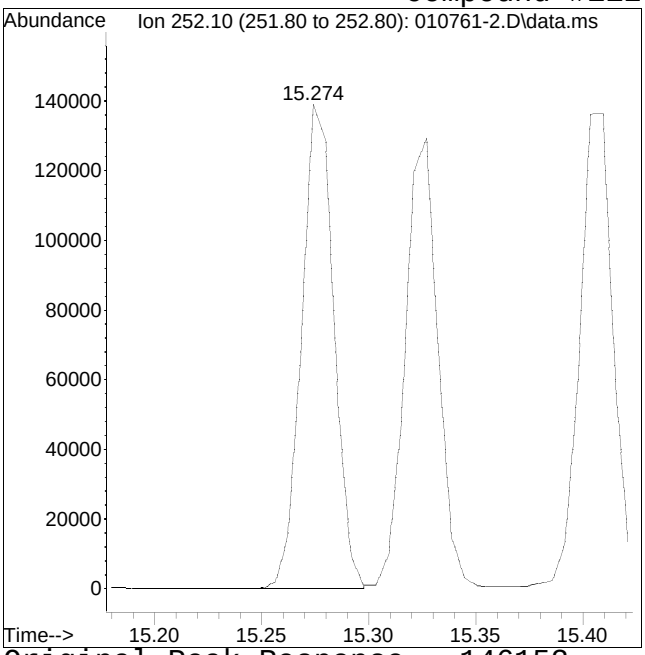
Manual Peak Response = 5656 M3

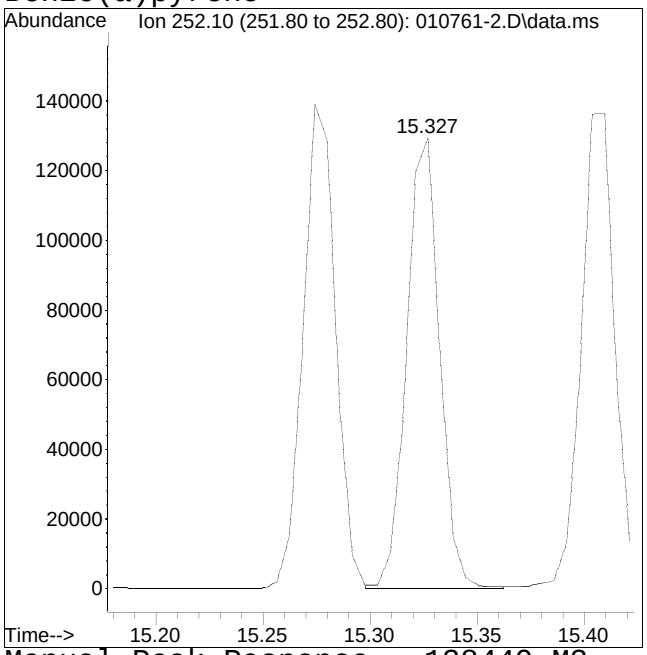
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241218RVT\ QMethod : FS241009SV106.m
Data File : 010761-2.D Operator : SV106:im
Date Inj'd : 12/19/2024 1:05 am Instrument : SV 106
Sample : WG2010761-2,32,,ASK Quant Date : 12/19/2024 1:25 am

Compound #112: Benzo(a)pyrene





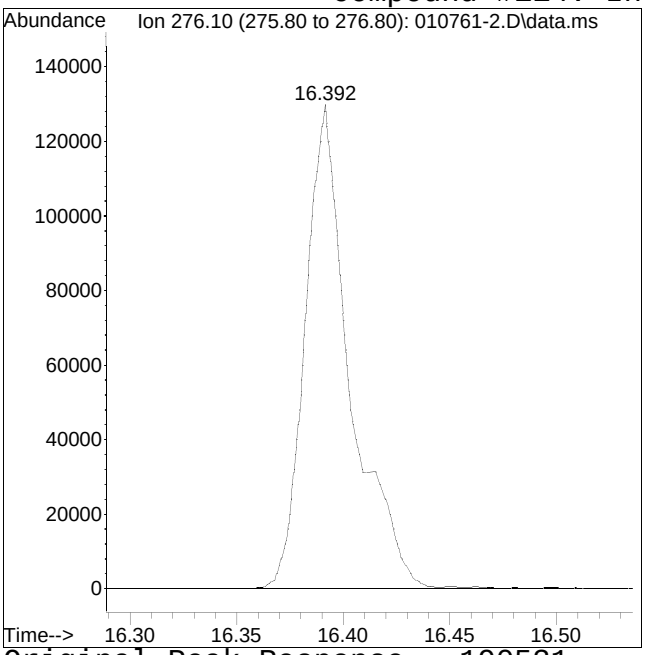
Original Peak Response = 146152 Manual Peak Response = 138449 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

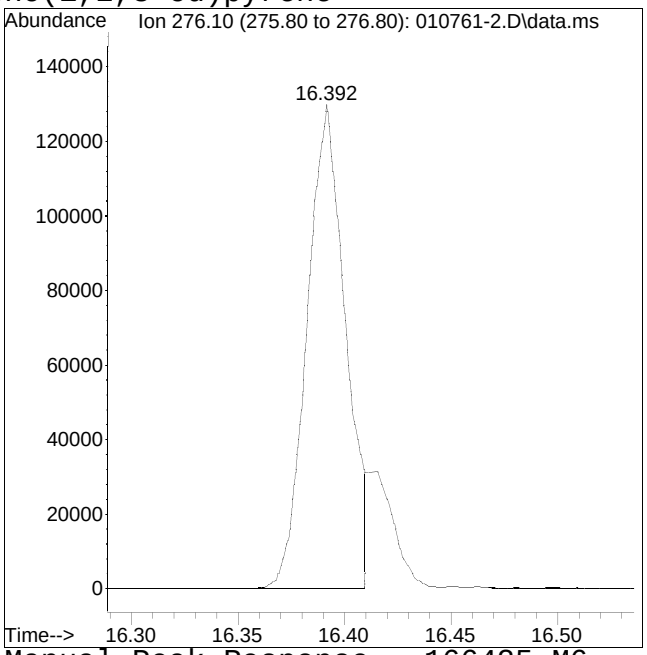
Manual Integration Report

Data Path : I:\8270\SV106\241218RVT\ QMethod : FS241009SV106.m
Data File : 010761-2.D Operator : SV106:im
Date Inj'd : 12/19/2024 1:05 am Instrument : SV 106
Sample : WG2010761-2,32,,ASK Quant Date : 12/19/2024 1:25 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 190531



Manual Peak Response = 166425 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-2.D
Acq On : 19 Dec 2024 03:25 pm
Operator : SV112:smz
Sample : WG2011033-2,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 10:33:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.828	152	27373	4.000	ug/ml		0.00
Standard Area 1 = 31733			Recovery = 86.26%				
27) IS2_1,4-Dichlorobenzen...	4.828	152	27373	4.000	ug/ml		0.00
Standard Area 3 = 37135			Recovery = 73.71%				
32) IS3_1,4-Dichlorobenzen...	4.828	152	27373	4.000	ug/ml		0.00
Standard Area 2 = 29954			Recovery = 91.38%				
35) IS1_Naphthalene-d8	6.069	136	105068	4.000	ug/ml		0.00
Standard Area 1 = 119379			Recovery = 88.01%				
55) IS2_Naphthalene-d8	6.069	136	105068	4.000	ug/ml		0.00
Standard Area 3 = 134467			Recovery = 78.14%				
63) IS1_Acenaphthene-d10	7.787	164	65427	4.000	ug/ml		0.00
Standard Area 1 = 75180			Recovery = 87.03%				
83) IS2_Acenaphthene-d10	7.787	164	65427	4.000	ug/ml		0.00
Standard Area 3 = 84559			Recovery = 77.37%				
86) IS3_Acenaphthene-d10	7.787	164	65427	4.000	ug/ml		0.00
Standard Area 2 = 66138			Recovery = 98.92%				
88) IS1_Phenanthrene-d10	9.228	188	137989	4.000	ug/ml	#	0.00
Standard Area 1 = 158888			Recovery = 86.85%				
100) IS3_Phenanthrene-d10	9.228	188	137989	4.000	ug/ml	#	0.00
Standard Area 2 = 146403			Recovery = 94.25%				
104) IS1_Chrysene-d12	11.898	240	153007	4.000	ug/ml	#	0.00
Standard Area 1 = 186682			Recovery = 81.96%				
113) IS1_Perylene-d12	13.386	264	173598	4.000	ug/ml		0.00
Standard Area 1 = 210513			Recovery = 82.46%				
System Monitoring Compounds							
4) 2-Fluorophenol	3.558	112	9919	1.297	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.85%				
7) Phenol-d6	4.499	99	9905	1.023	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.15%				
19) Nitrobenzene-d5	5.369	82	7454	0.856	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.60%				
46) 2-Fluorobiphenyl	7.146	172	20050	0.835	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.50%				
79) 2,4,6-Tribromophenol	8.557	330	7367	1.846	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 92.30%				

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-2.D
Acq On : 19 Dec 2024 03:25 pm
Operator : SV112:smz
Sample : WG2011033-2,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 10:33:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.822	244	31931	0.867	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 86.70%

Target Compounds						Qvalue
6) 2-Chlorophenol	4.622	128	15019	1.734	ug/ml	93
8) Phenol	4.510	94	12609	1.149	ug/ml#	71
9) Bis(2-chloroethyl)ether	4.587	93	14081	1.689	ug/ml	96
10) 1,3-Dichlorobenzene	4.769	146	12964	1.224	ug/ml	94
11) 1,4-Dichlorobenzene	4.840	146	14250	1.331	ug/ml	95
12) 1,2-Dichlorobenzene	4.993	146	13844	1.329	ug/ml	97
13) Benzyl alcohol	4.975	79	11462	1.696	ug/ml	96
14) Bis(2-chloroisopropyl)...	5.116	45	16099	1.620	ug/ml#	56
15) 2-Methylphenol	5.099	108	11446	1.542	ug/ml	95
16) Hexachloroethane	5.322	117	4305	1.065	ug/ml#	60
17) n-Nitrosodi-n-propylamine	5.246	70	10474	1.714	ug/ml	96
18) 3-Methylphenol/4-Methy...	5.258	108	13304	1.648	ug/ml	99
20) Nitrobenzene	5.387	77	15447	1.716	ug/ml	97
21) Isophorone	5.628	82	27827	1.736	ug/ml	98
22) 2-Nitrophenol	5.705	139	7460	1.776	ug/ml	96
23) 2,4-Dimethylphenol	5.775	107	8173	1.086	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.863	93	20106	1.820	ug/ml	98
25) 2,4-Dichlorophenol	5.940	162	14871	1.806	ug/ml#	94
26) 1,2,4-Trichlorobenzene	6.022	180	13223	1.303	ug/ml	97
29) Acetophenone	5.228	105	23886	1.926	ug/ml	95
36) Naphthalene	6.087	128	41106	1.492	ug/ml	99
37) Benzoic Acid	5.816	105	3774	0.576	ug/ml	92
38) 4-Chloroaniline	6.157	65	4117M3	1.272	ug/ml	
39) Hexachlorobutadiene	6.240	225	7593	1.115	ug/ml	99
40) p-Chloro-m-cresol	6.652	107	13493	1.805	ug/ml	89
41) 2-Methylnaphthalene	6.775	142	27641	1.447	ug/ml	97
43) Hexachlorocyclopentadiene	6.946	237	4523	0.638	ug/ml	93
44) 2,4,6-Trichlorophenol	7.057	196	12317	1.755	ug/ml	98
45) 2,4,5-Trichlorophenol	7.087	196	13904M3	1.850	ug/ml	
47) 2-Chloronaphthalene	7.246	162	30310	1.492	ug/ml	95
48) 2-Nitroaniline	7.352	138	9703	1.833	ug/ml	94
51) Dimethyl phthalate	7.551	163	43457	1.804	ug/ml	100
52) Acenaphthylene	7.646	152	47929	1.674	ug/ml	99

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-2.D
Acq On : 19 Dec 2024 03:25 pm
Operator : SV112:smz
Sample : WG2011033-2,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 10:33:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53)	2,6-Dinitrotoluene	7.599	165	7933	1.728 ug/ml	94
61)	1,2,4,5-Tetrachloroben...	6.940	216	16701	1.358 ug/ml	94
62)	Biphenyl	7.234	154	39364	1.547 ug/ml	96
64)	3-Nitroaniline	7.751	138	8864	1.732 ug/ml	90
65)	Acenaphthene	7.816	154	29757	1.622 ug/ml	98
66)	2,4-Dinitrophenol	7.851	184	4893	1.695 ug/ml#	86
67)	Dibenzofuran	7.987	168	51857	1.669 ug/ml	90
68)	2,4-Dinitrotoluene	7.987	165	11596	1.810 ug/ml	92
69)	4-Nitrophenol	7.934	65	5282	1.318 ug/ml	96
72)	Diethyl phthalate	8.246	149	44410	1.846 ug/ml	96
73)	Fluorene	8.322	166	41150	1.740 ug/ml	95
74)	4-Chlorophenyl phenyl ...	8.340	204	21116	1.631 ug/ml#	81
75)	4-Nitroaniline	8.346	138	9626	1.893 ug/ml	93
76)	4,6-Dinitro-o-cresol	8.381	198	7238	1.786 ug/ml#	74
77)	NDPA/DPA	8.451	169	35194	1.786 ug/ml	91
80)	4-Bromophenyl phenyl e...	8.810	248	13798	1.669 ug/ml#	79
81)	Hexachlorobenzene	8.863	284	18014	1.788 ug/ml#	84
82)	Pentachlorophenol	9.057	266	10018	1.828 ug/ml	98
89)	Phenanthrene	9.251	178	71089	1.837 ug/ml	99
90)	Anthracene	9.304	178	68821	1.835 ug/ml	99
91)	Carbazole	9.469	167	65760	1.942 ug/ml	99
92)	Di-n-butylphthalate	9.857	149	73465	2.012 ug/ml	99
93)	Fluoranthene	10.416	202	87175	1.948 ug/ml#	95
95)	Pyrene	10.640	202	92095	1.958 ug/ml	99
97)	Butyl benzyl phthalate	11.357	149	31826	1.958 ug/ml	95
105)	Benzo(a)anthracene	11.887	228	95579	1.999 ug/ml	99
106)	3,3'-Dichlorobenzidine	11.887	252	32168	1.915 ug/ml#	97
107)	Chrysene	11.928	228	92798	1.901 ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.998	149	49121	2.072 ug/ml#	100
109)	Di-n-octylphthalate	12.681	149	76938	2.103 ug/ml	97
110)	Benzo(b)fluoranthene	13.010	252	99607	2.003 ug/ml#	95
111)	Benzo(k)fluoranthene	13.034	252	95410M3	2.090 ug/ml	
112)	Benzo(a)pyrene	13.328	252	88868M3	2.081 ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.404	276	100376M6	1.999 ug/mL	
115)	Dibenzo(a,h)anthracene	14.428	278	94893	2.008 ug/ml#	91
116)	Benzo(ghi)perylene	14.675	276	91601	1.943 ug/ml#	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-2.D
Acq On : 19 Dec 2024 03:25 pm
Operator : SV112:smz
Sample : WG2011033-2,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 10:33:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

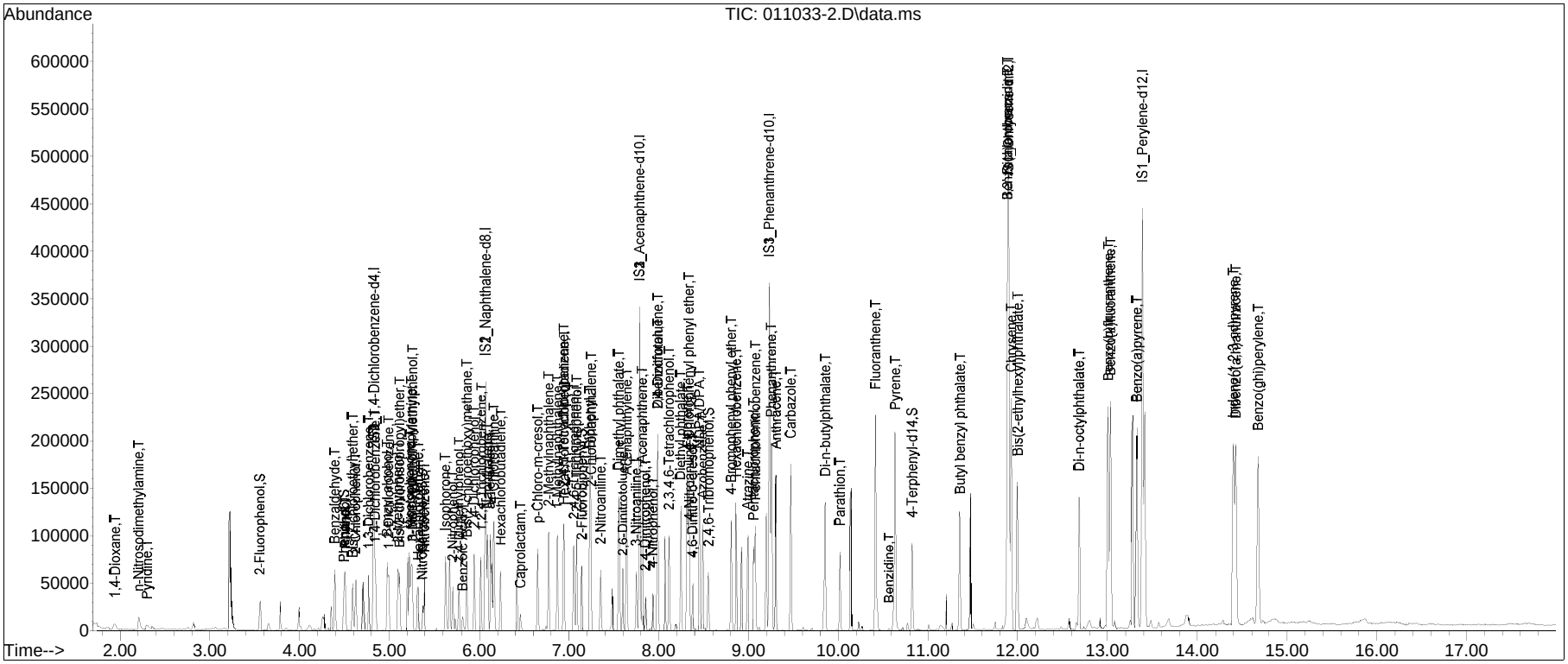
(#) = qualifier out of range (m) = manual integration (+) = signals summed

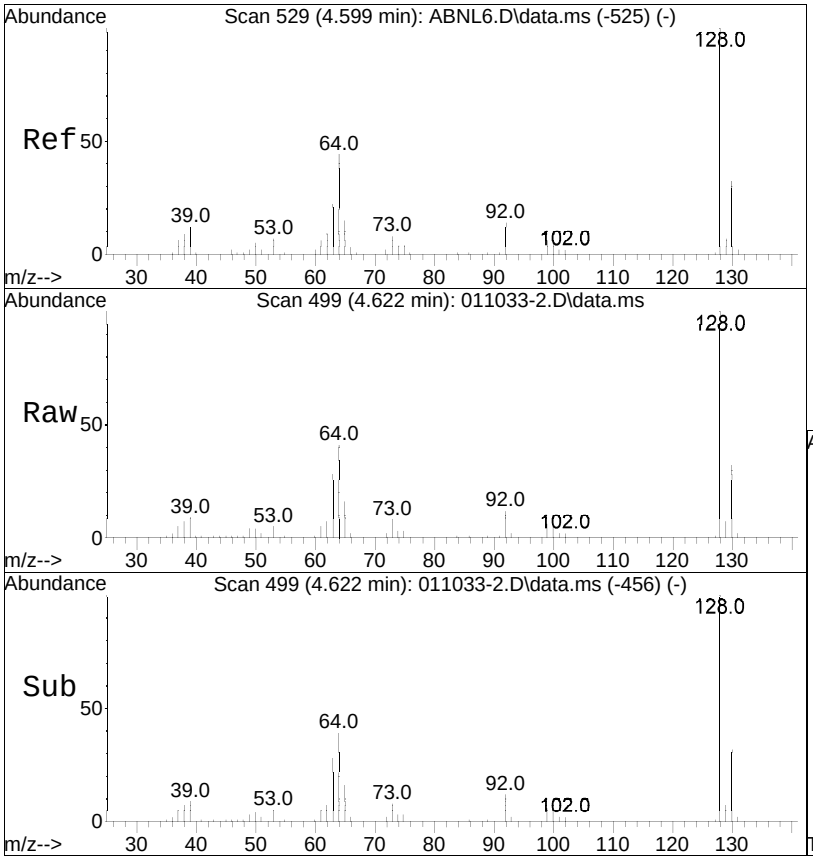
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-2.D
Acq On : 19 Dec 2024 03:25 pm
Operator : SV112:smz
Sample : WG2011033-2,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 10:33:55 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91219.D•

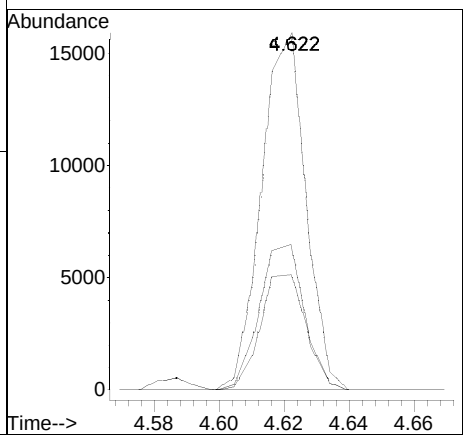


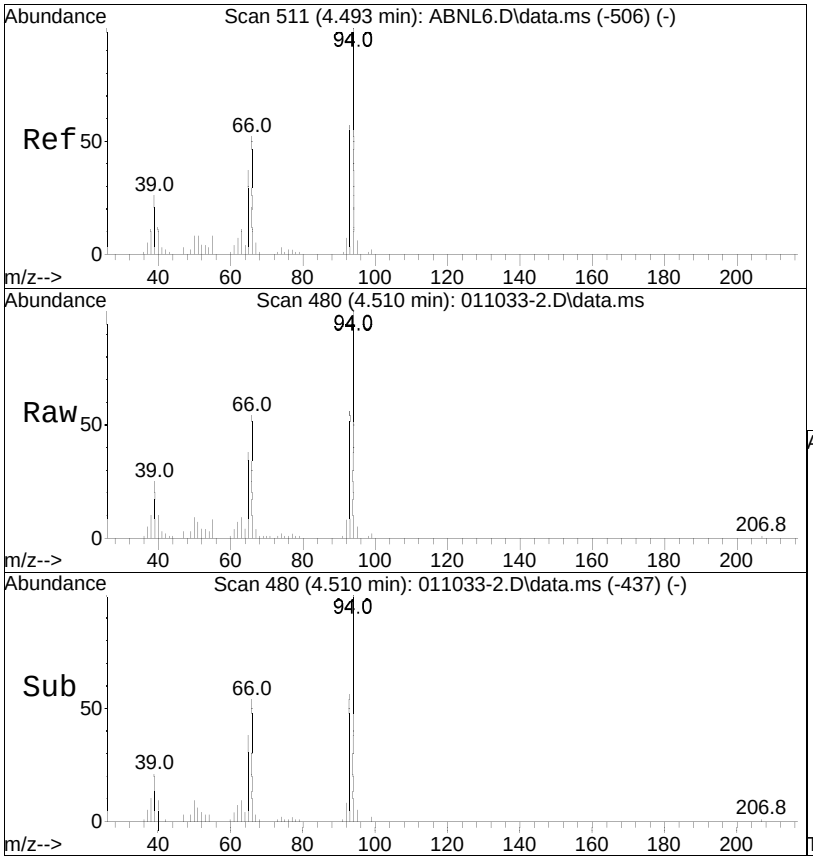


#6
2-Chlorophenol
Concen: 1.73 ug/ml
RT: 4.622 min Scan# 499
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:128 Resp: 15019

Ion	Ratio	Lower	Upper
128	100		
64	41.3	38.2	57.4
130	33.9	26.2	39.2

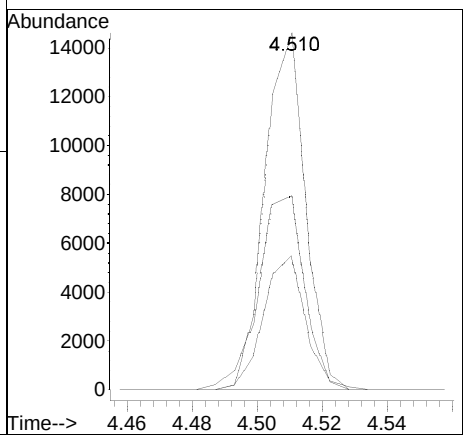


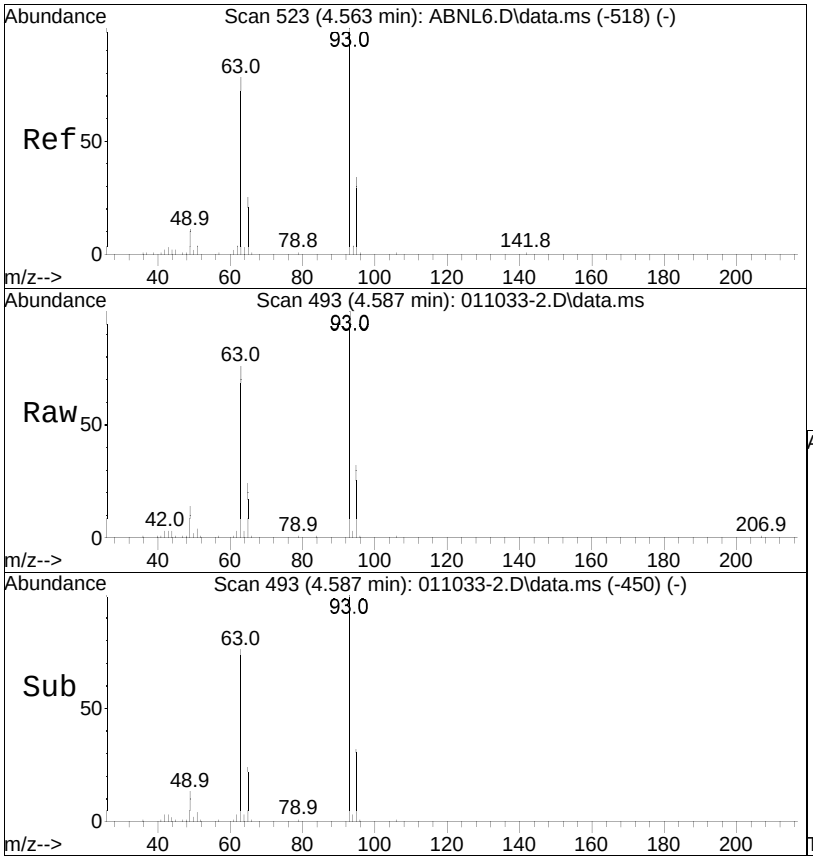


#8
Phenol
Concen: 1.15 ug/ml
RT: 4.510 min Scan# 480
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 94 Resp: 12609

Ion	Ratio	Lower	Upper
94	100		
65	39.3	23.0	34.6#
66	61.8	32.1	48.1#

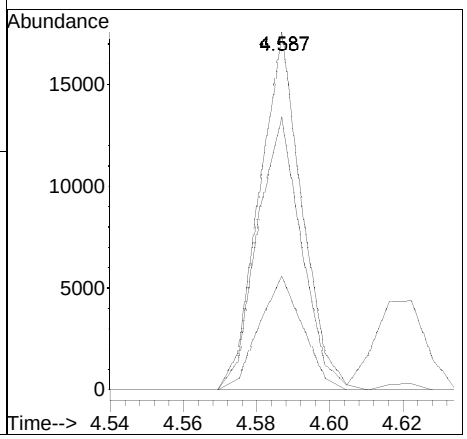


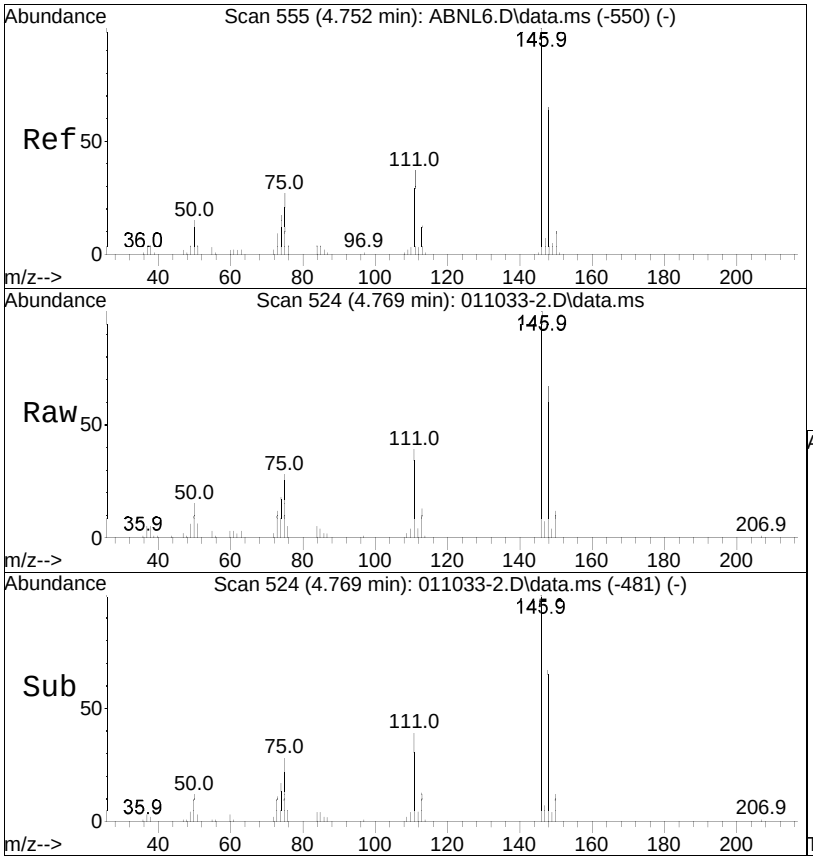


#9
Bis(2-chloroethyl)ether
Concen: 1.69 ug/ml
RT: 4.587 min Scan# 493
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 93 Resp: 14081

Ion	Ratio	Lower	Upper
93	100		
63	79.4	67.0	100.4
95	32.8	26.1	39.1

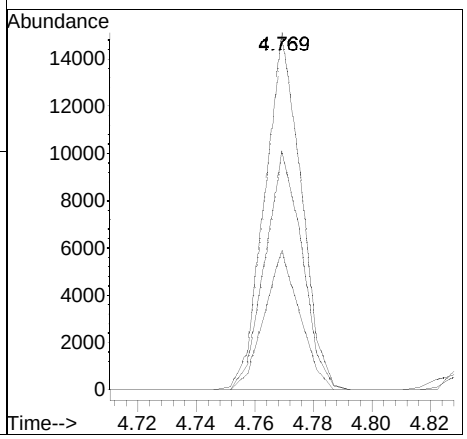


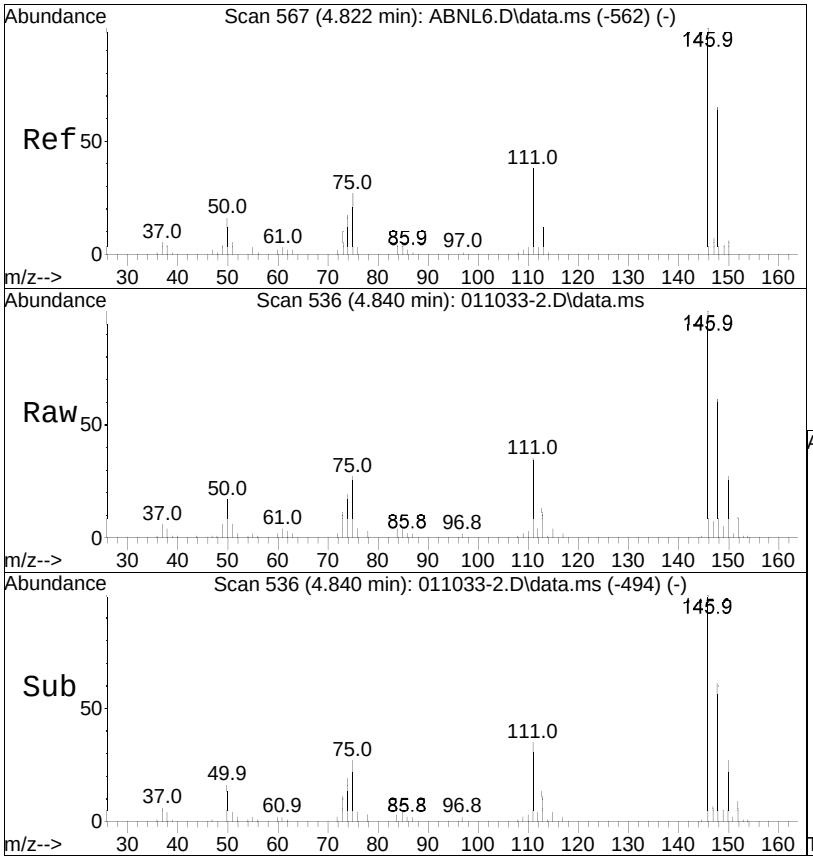


#10
1,3-Dichlorobenzene
Concen: 1.22 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:146 Resp: 12964

Ion	Ratio	Lower	Upper
146	100		
111	38.1	35.0	52.4
148	67.9	51.3	76.9

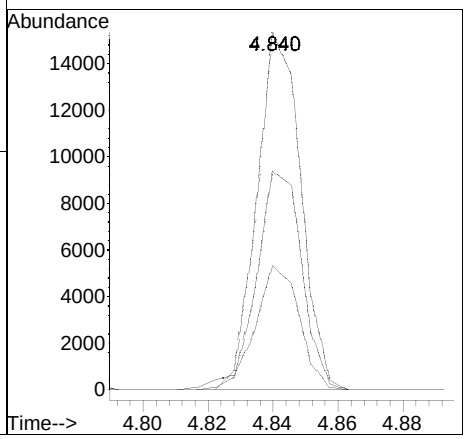


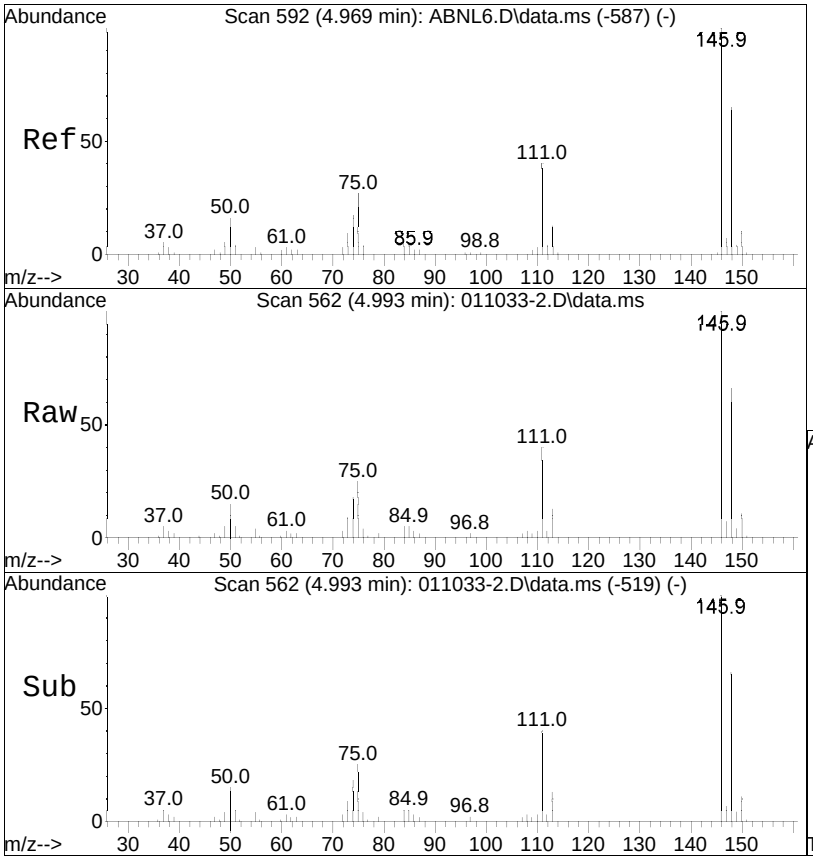


#11
1,4-Dichlorobenzene
Concen: 1.33 ug/ml
RT: 4.840 min Scan# 536
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:146 Resp: 14250

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.1	76.7
111	36.3	34.4	51.6

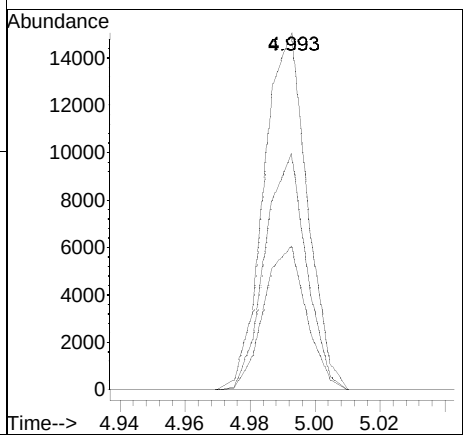


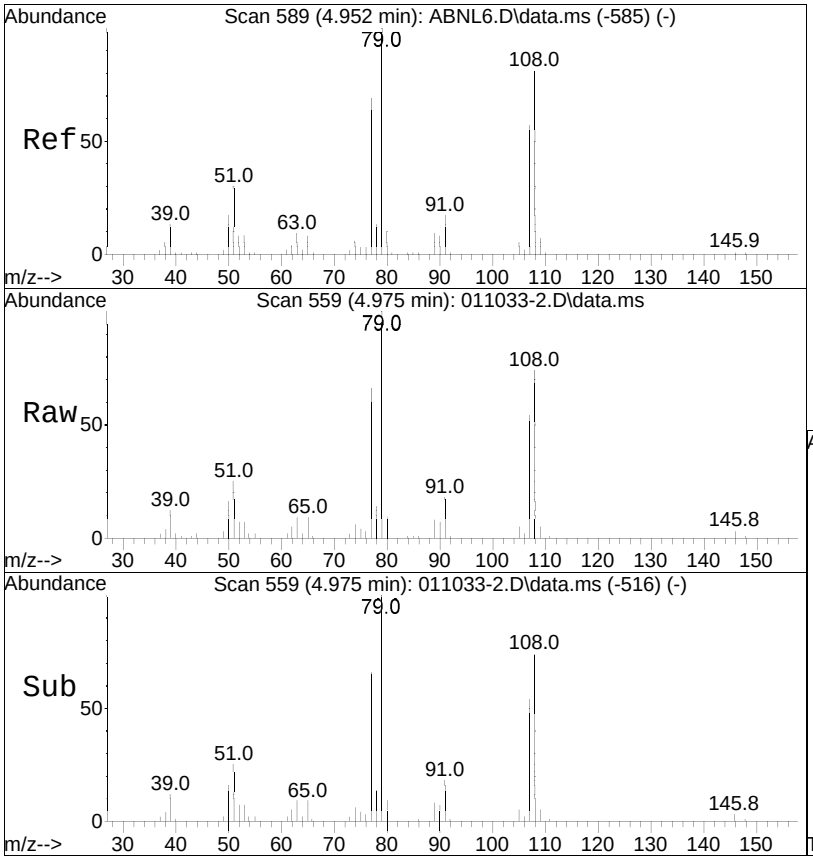


#12
1,2-Dichlorobenzene
Concen: 1.33 ug/ml
RT: 4.993 min Scan# 562
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:146 Resp: 13844

Ion	Ratio	Lower	Upper
146	100		
111	39.6	35.5	53.3
148	63.1	50.6	76.0

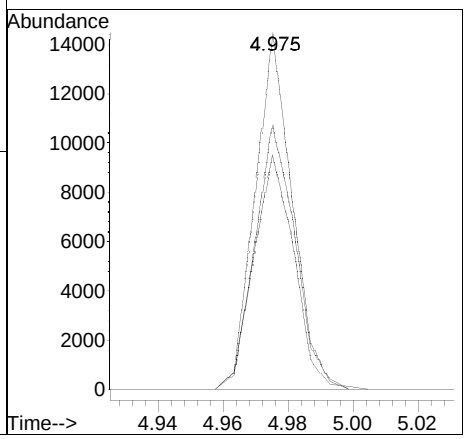


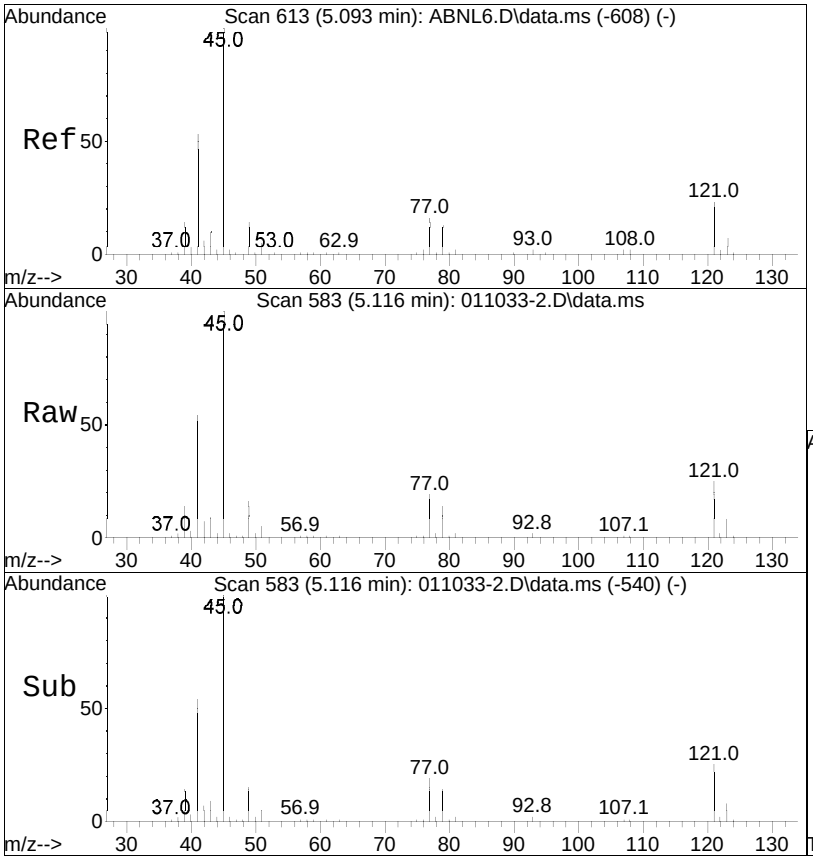


#13
Benzyl alcohol
Concen: 1.70 ug/ml
RT: 4.975 min Scan# 559
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 79 Resp: 11462

Ion	Ratio	Lower	Upper
79	100		
77	71.0	51.8	77.6
108	80.4	63.9	95.9

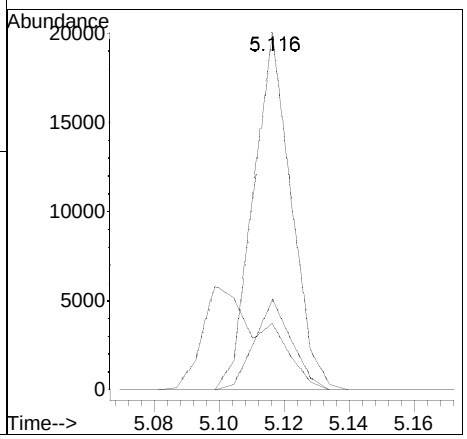


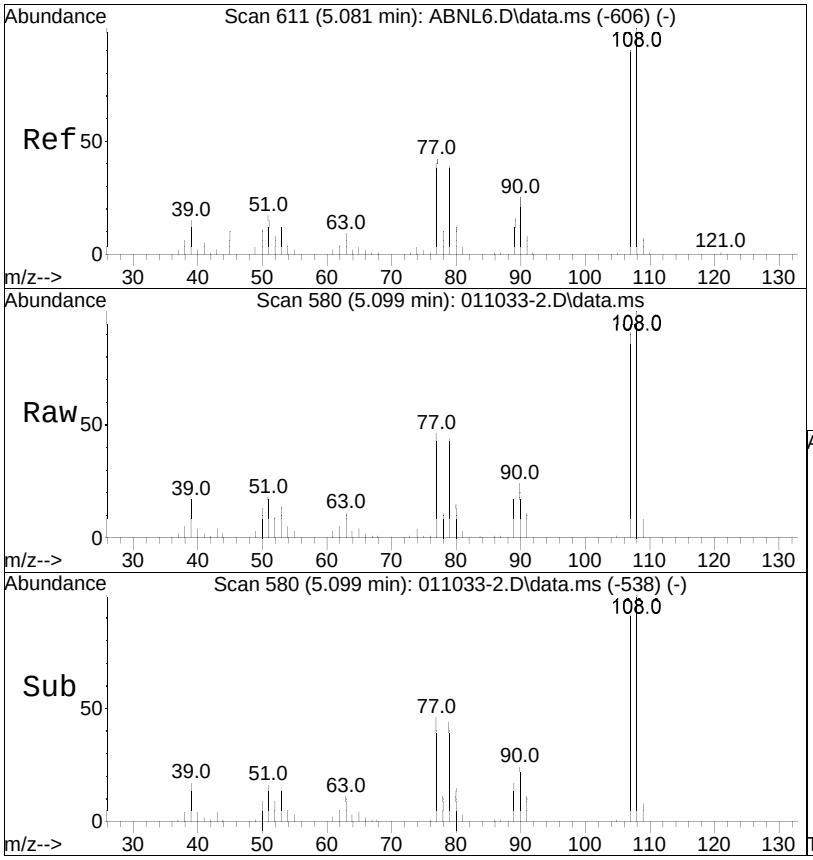


#14
Bis(2-chloroisopropyl)ether
Concen: 1.62 ug/ml
RT: 5.116 min Scan# 583
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 45 Resp: 16099

Ion	Ratio	Lower	Upper
45	100		
121	24.9	14.8	22.2#
77	47.4	10.5	15.7#

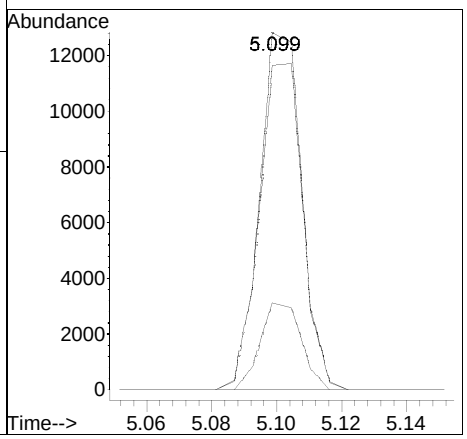


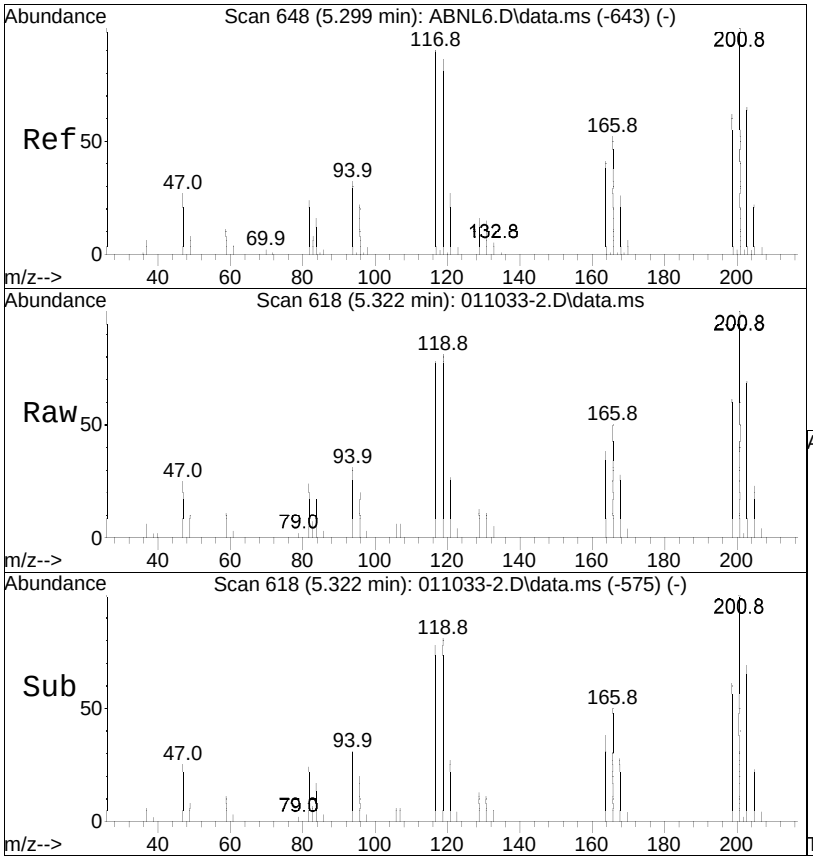


#15
2-Methylphenol
Concen: 1.54 ug/ml
RT: 5.099 min Scan# 580
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:108 Resp: 11446

Ion	Ratio	Lower	Upper
108	100		
107	94.3	71.0	106.4
90	23.7	19.7	29.5

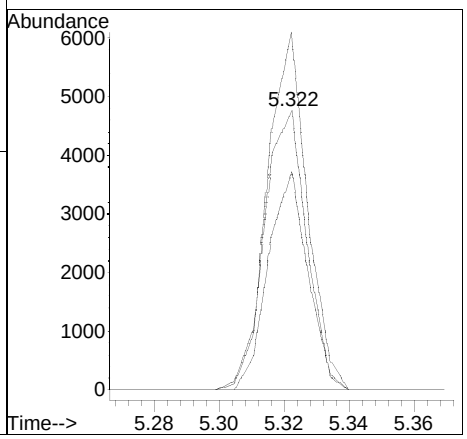


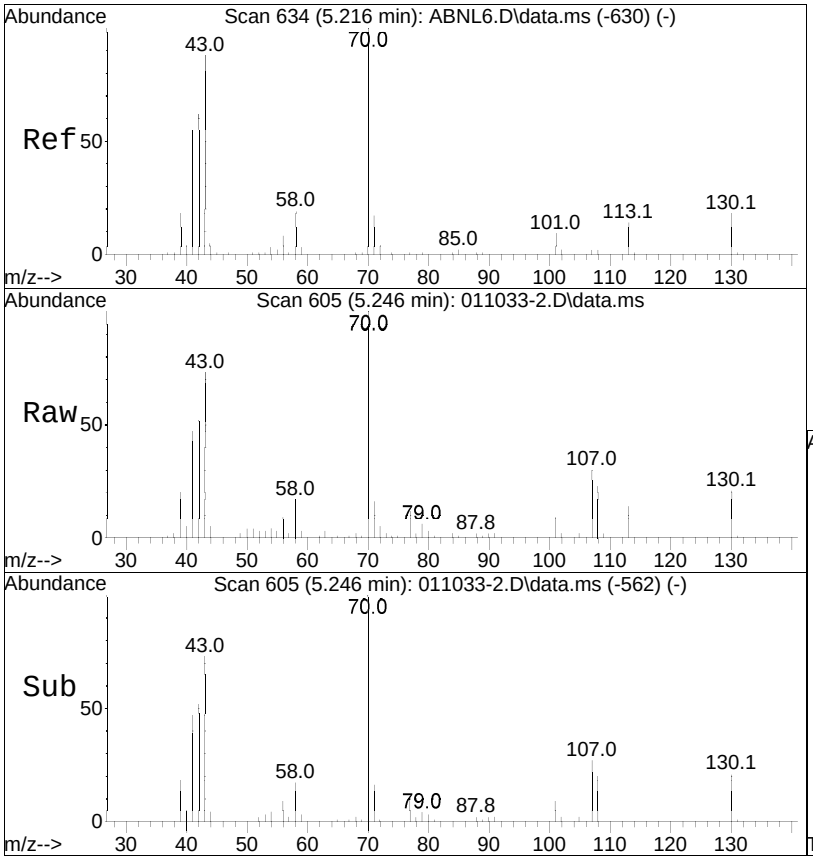


#16
Hexachloroethane
Concen: 1.06 ug/ml
RT: 5.322 min Scan# 618
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:117 Resp: 4305

Ion	Ratio	Lower	Upper
117	100		
201	120.6	64.4	96.6#
199	73.3	40.5	60.7#

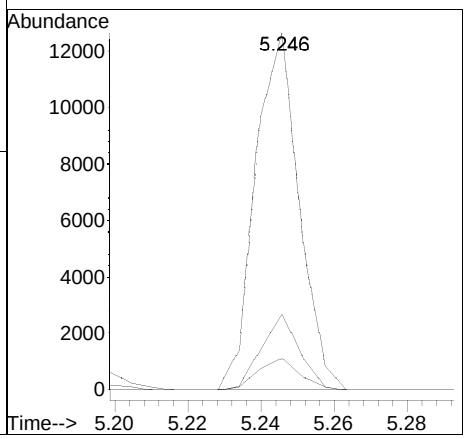


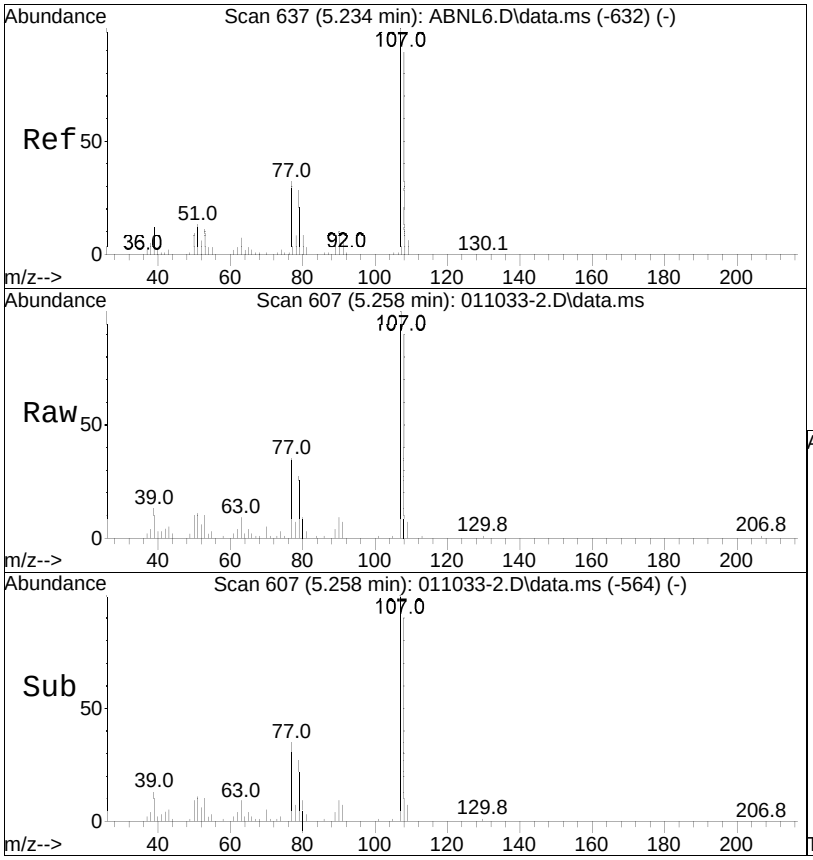


#17
n-Nitrosodi-n-propylamine
Concen: 1.71 ug/ml
RT: 5.246 min Scan# 605
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 70 Resp: 10474

Ion	Ratio	Lower	Upper
70	100		
130	18.5	16.2	24.4
101	8.5	7.6	11.4

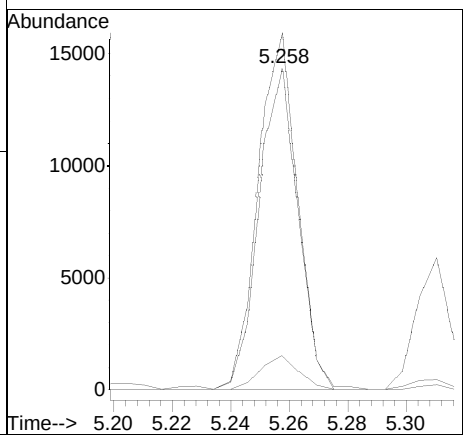


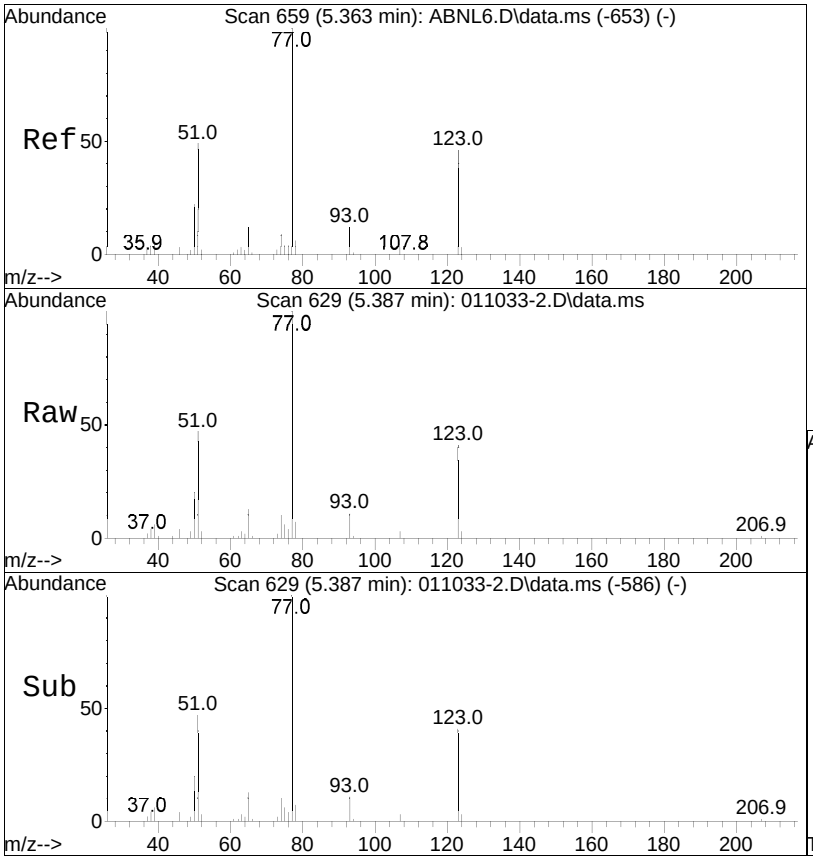


#18
3-Methylphenol/4-Methylphenol
Concen: 1.65 ug/ml
RT: 5.258 min Scan# 607
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:108 Resp: 13304

Ion	Ratio	Lower	Upper
108	100		
107	112.1	88.8	133.2
90	10.4	9.0	13.6

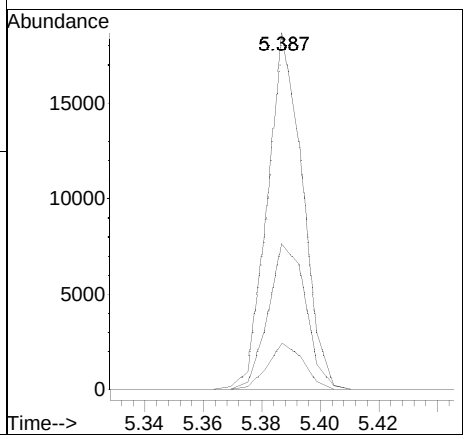


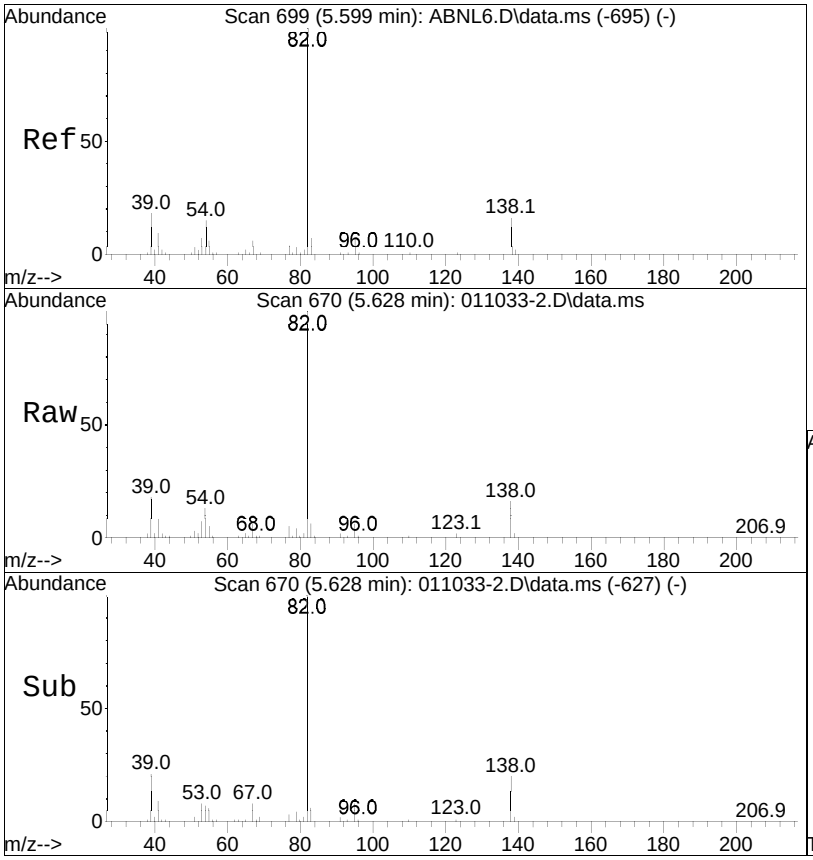


#20
Nitrobenzene
Concen: 1.72 ug/ml
RT: 5.387 min Scan# 629
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 77 Resp: 15447

Ion	Ratio	Lower	Upper
77	100		
123	43.9	37.3	55.9
65	13.3	10.9	16.3

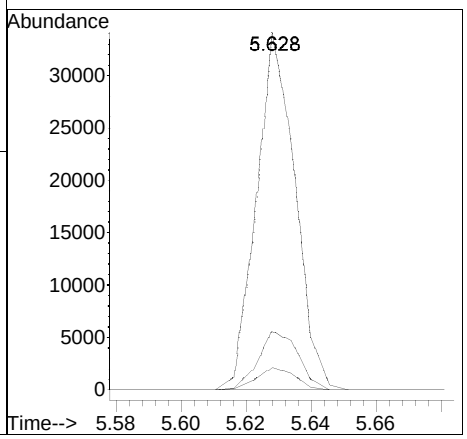


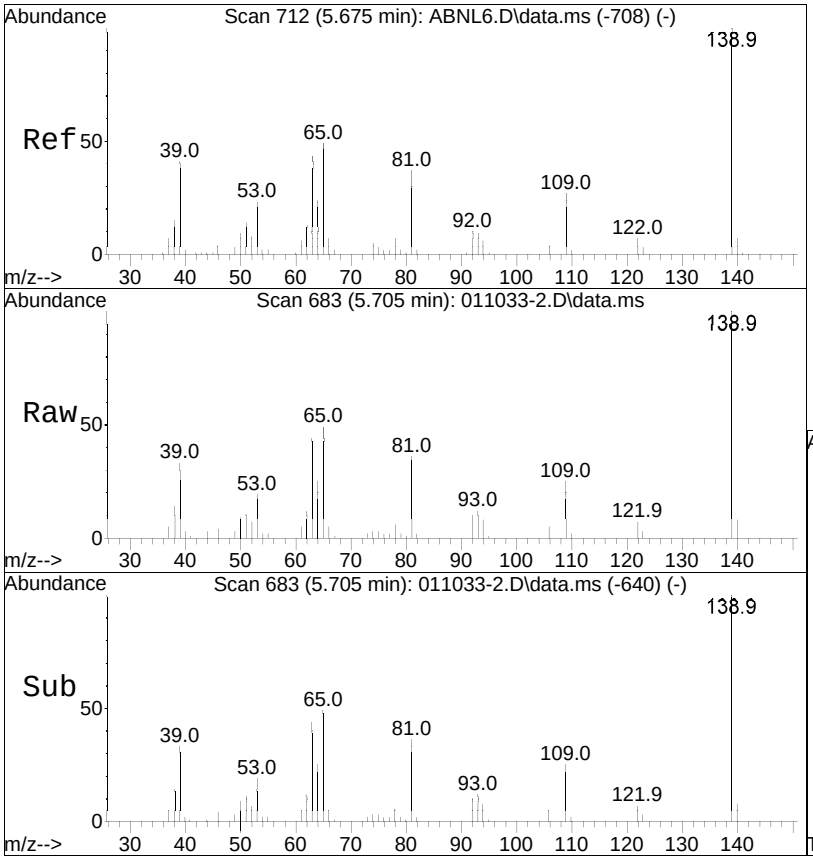


#21
Isophorone
Concen: 1.74 ug/ml
RT: 5.628 min Scan# 670
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 82 Resp: 27827

Ion	Ratio	Lower	Upper
82	100		
138	17.1	13.0	19.4
95	6.4	5.5	8.3

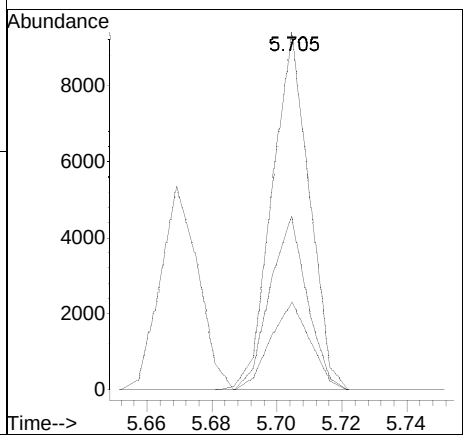


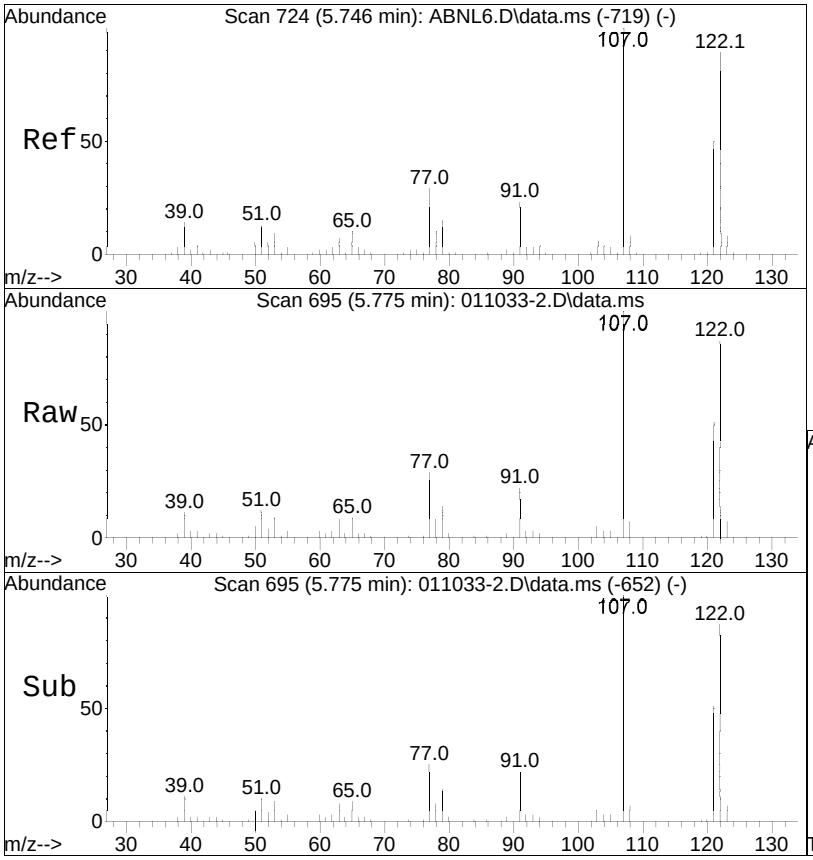


#22
2-Nitrophenol
Concen: 1.78 ug/ml
RT: 5.705 min Scan# 683
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:139 Resp: 7460

Ion	Ratio	Lower	Upper
139	100		
109	26.4	23.1	34.7
65	48.8	41.4	62.2

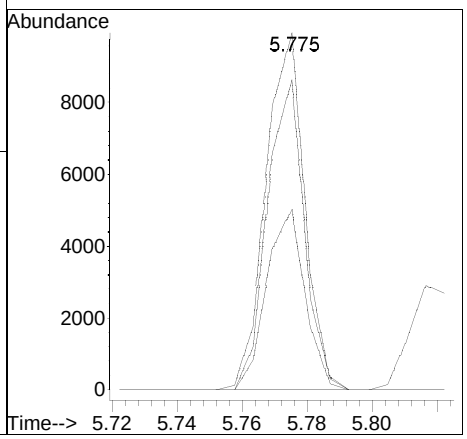


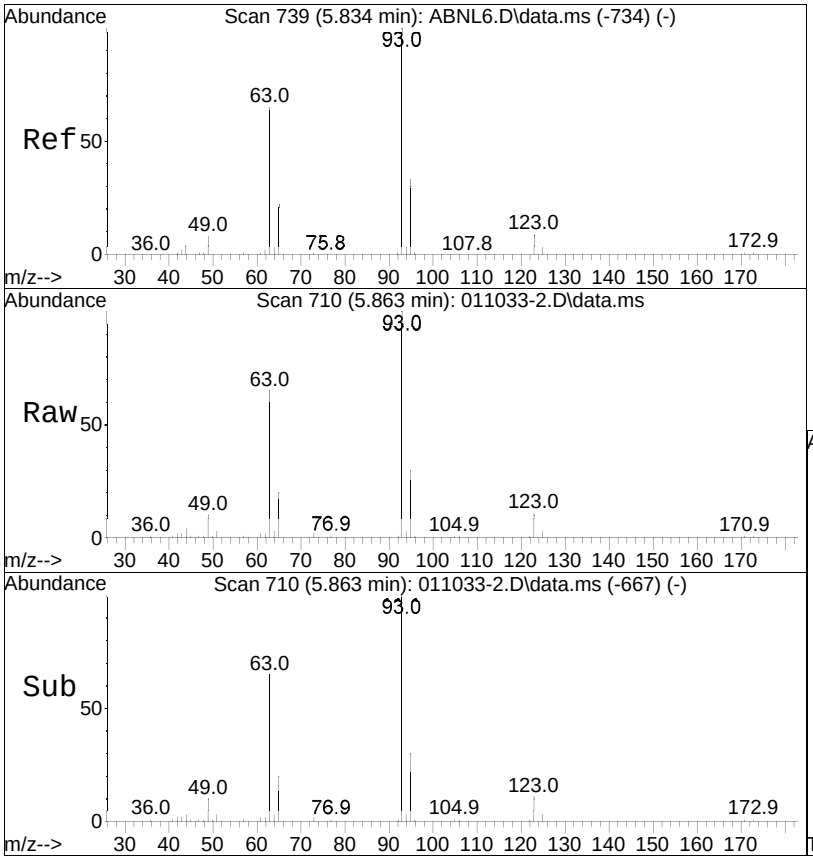


#23
2,4-Dimethylphenol
Concen: 1.09 ug/ml
RT: 5.775 min Scan# 695
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:107 Resp: 8173

Ion	Ratio	Lower	Upper
107	100		
121	50.4	41.3	61.9
122	83.2	69.3	103.9

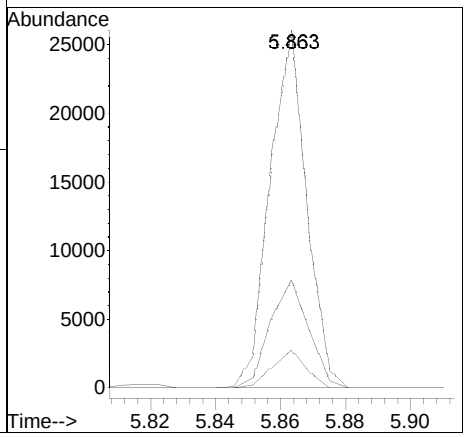


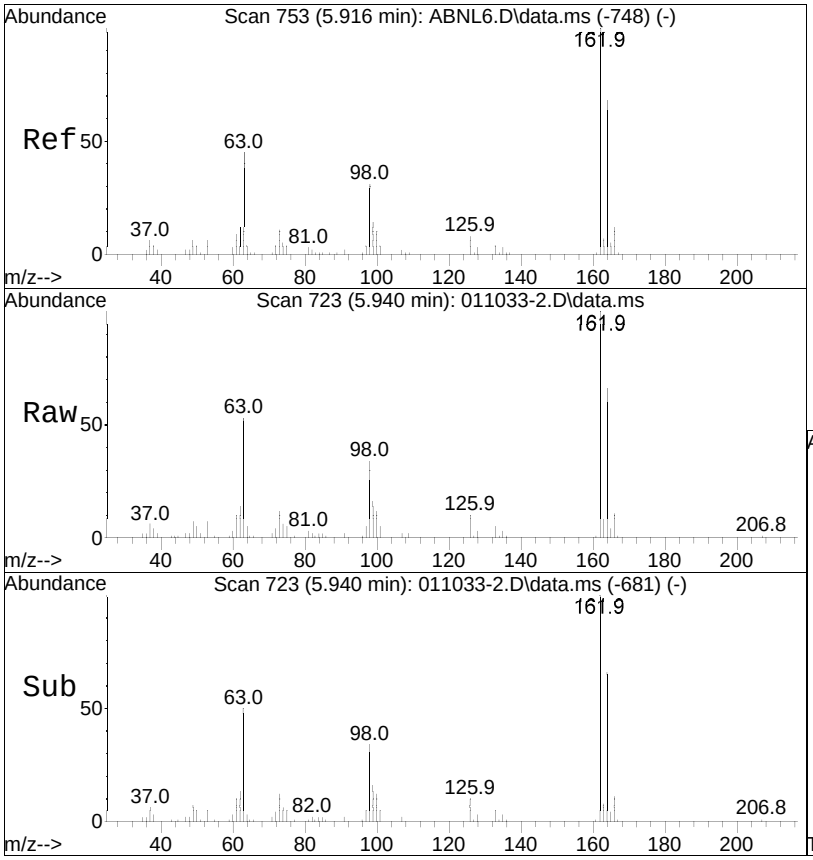


#24
Bis(2-chloroethoxy)methane
Concen: 1.82 ug/ml
RT: 5.863 min Scan# 710
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 93 Resp: 20106

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	9.8	9.6	14.4

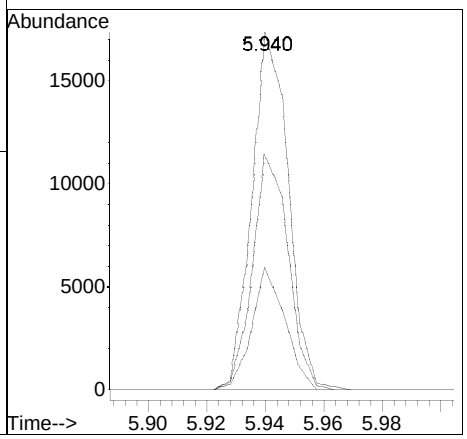


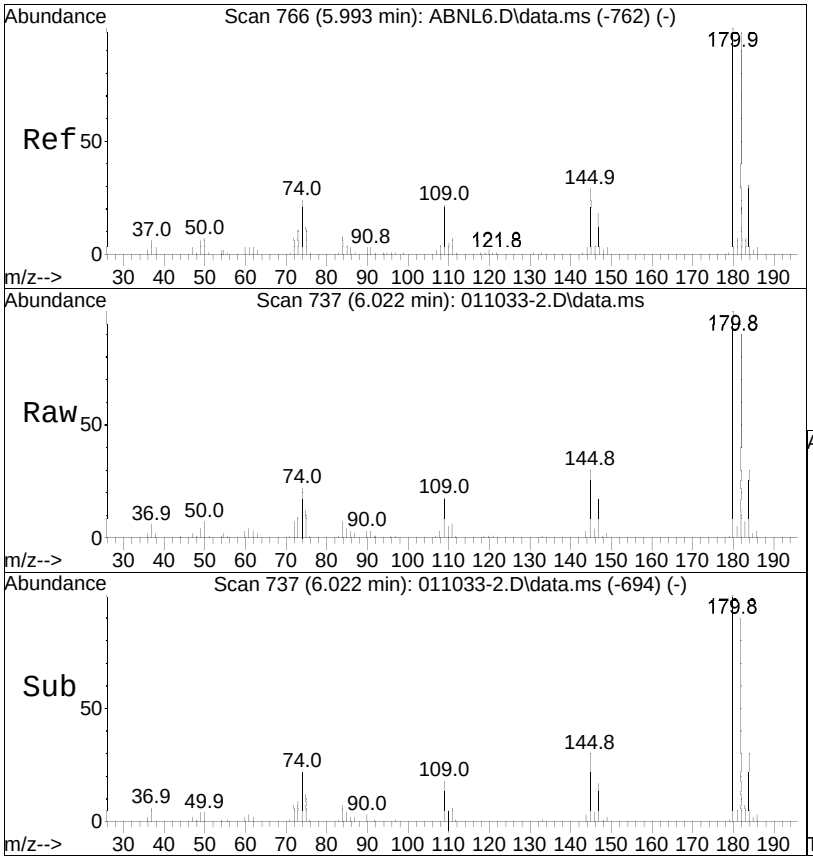


#25
2,4-Dichlorophenol
Concen: 1.81 ug/ml
RT: 5.940 min Scan# 723
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:162 Resp: 14871

Ion	Ratio	Lower	Upper
162	100		
164	64.5	51.1	76.7
98	31.4	32.2	48.2#

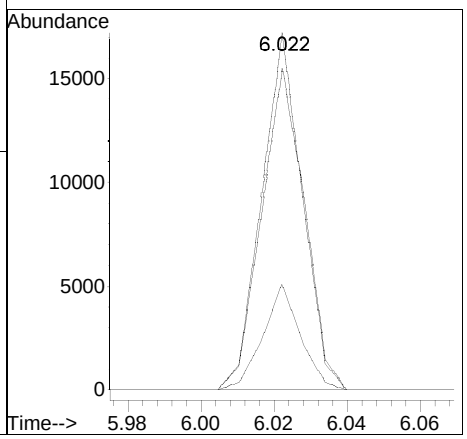


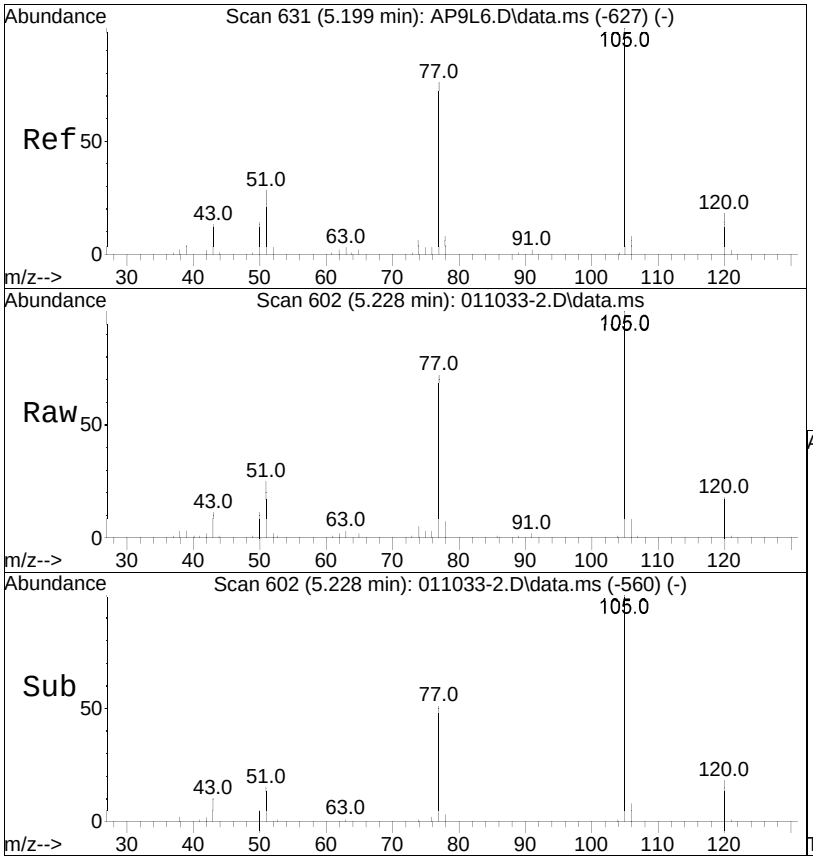


#26
1,2,4-Trichlorobenzene
Concen: 1.30 ug/ml
RT: 6.022 min Scan# 737
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:180 Resp: 13223

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.8
145	27.4	26.3	39.5

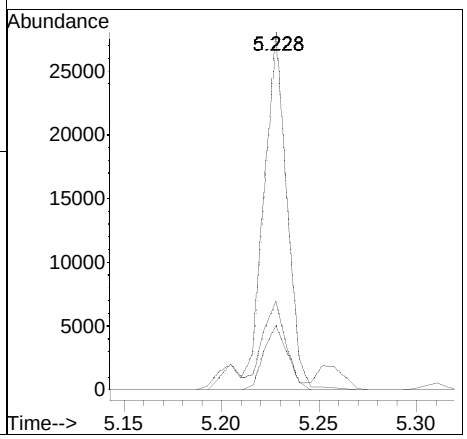


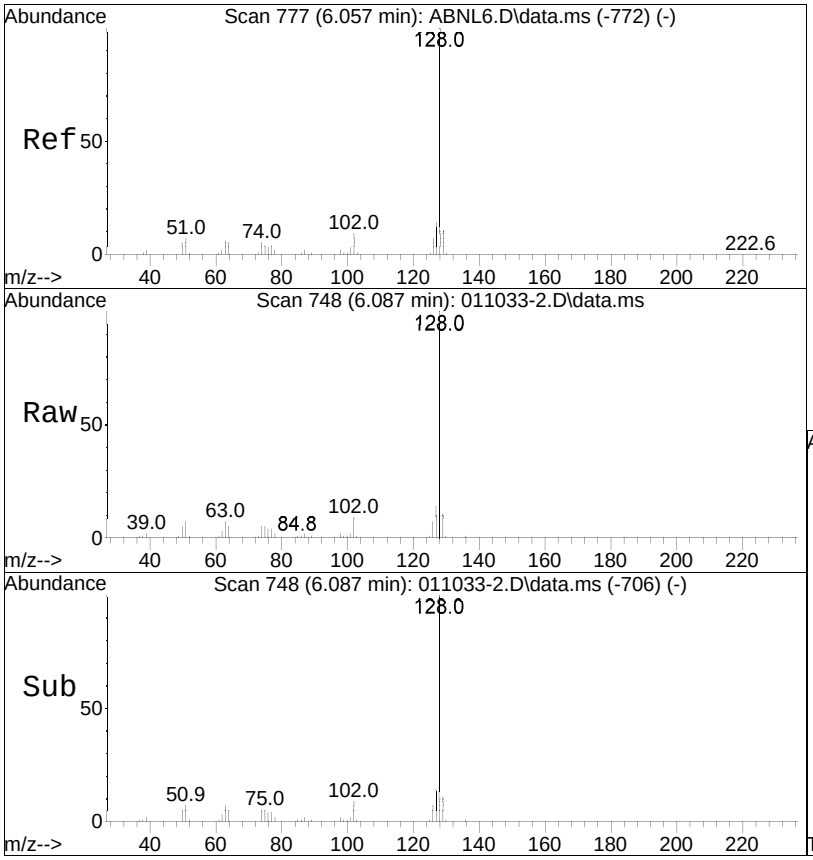


#29
Acetophenone
Concen: 1.93 ug/ml
RT: 5.228 min Scan# 602
Delta R.T. -0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:105 Resp: 23886

Ion	Ratio	Lower	Upper
105	100		
120	17.8	15.2	22.8
51	32.2	23.1	34.7

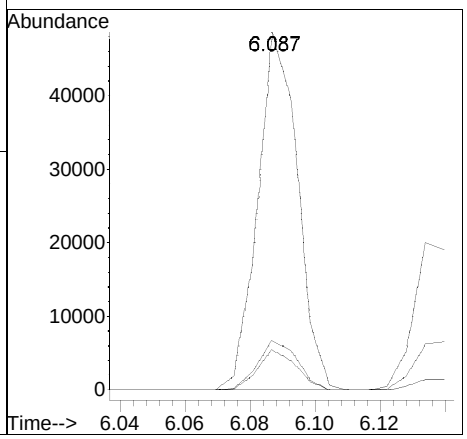


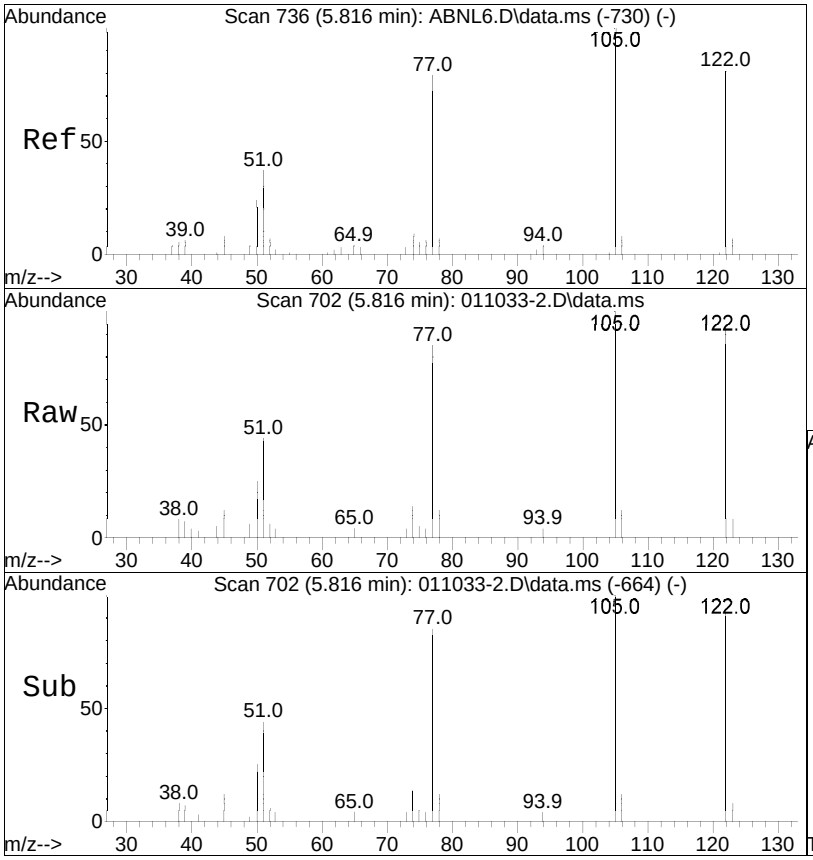


#36
Naphthalene
Concen: 1.49 ug/ml
RT: 6.087 min Scan# 748
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:128 Resp: 41106

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.9	10.6	15.8

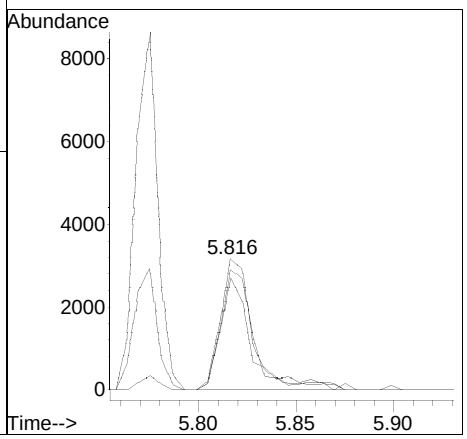


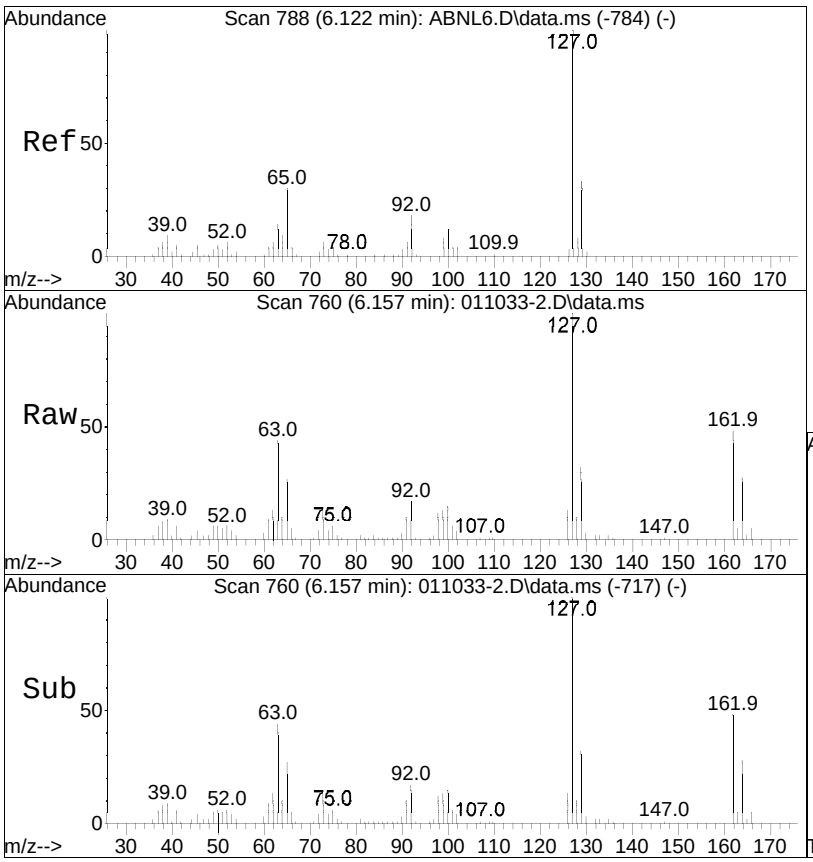


#37
Benzoic Acid
Concen: 0.58 ug/ml
RT: 5.816 min Scan# 702
Delta R.T. -0.029 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:105 Resp: 3774

Ion	Ratio	Lower	Upper
105	100		
122	85.8	62.6	93.8
77	79.2	59.1	88.7

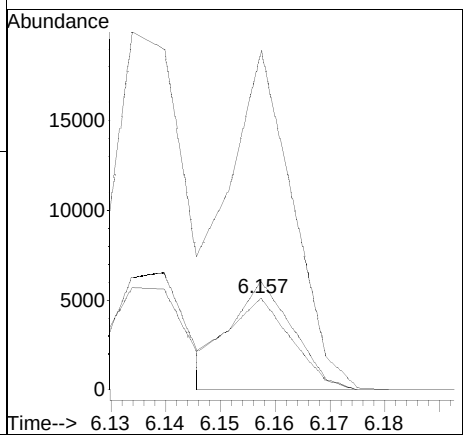


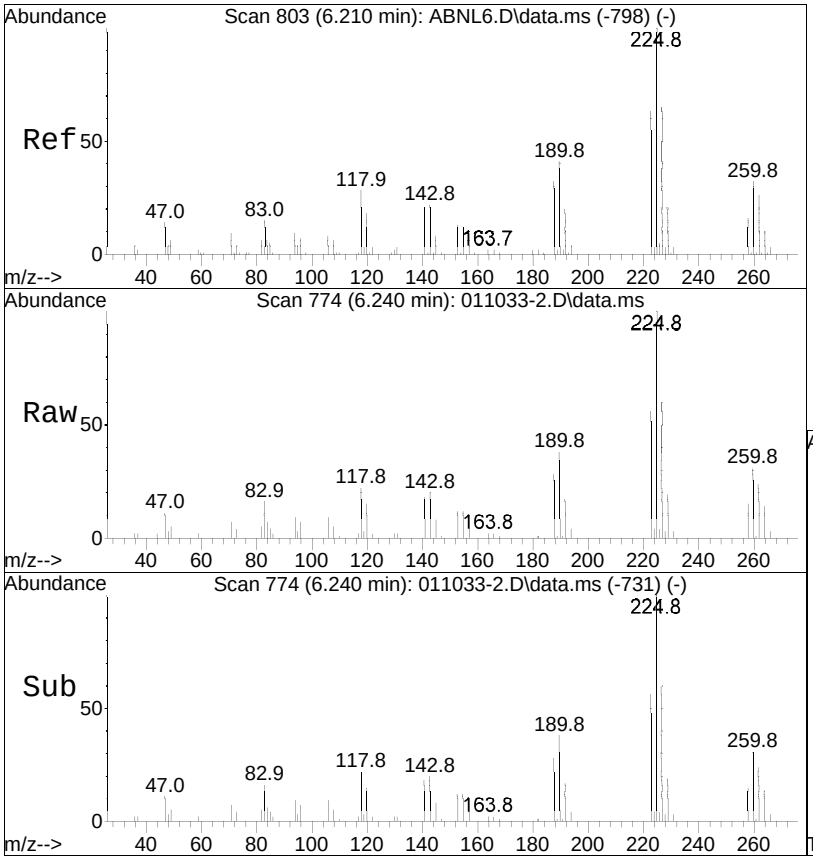


#38
4-Chloroaniline
Concen: 1.27 ug/ml M3
RT: 6.157 min Scan# 760
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 65 Resp: 4117

Ion	Ratio	Lower	Upper
65	100		
127	447.5	266.2	399.4#
129	145.6	85.0	127.4#

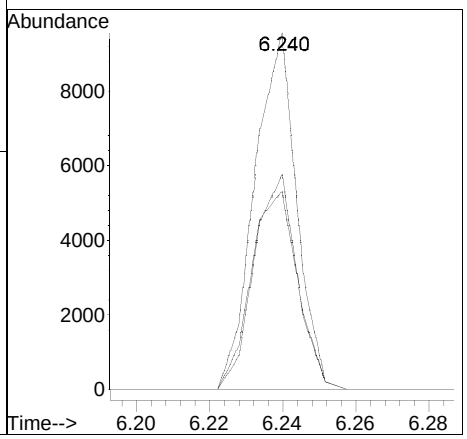


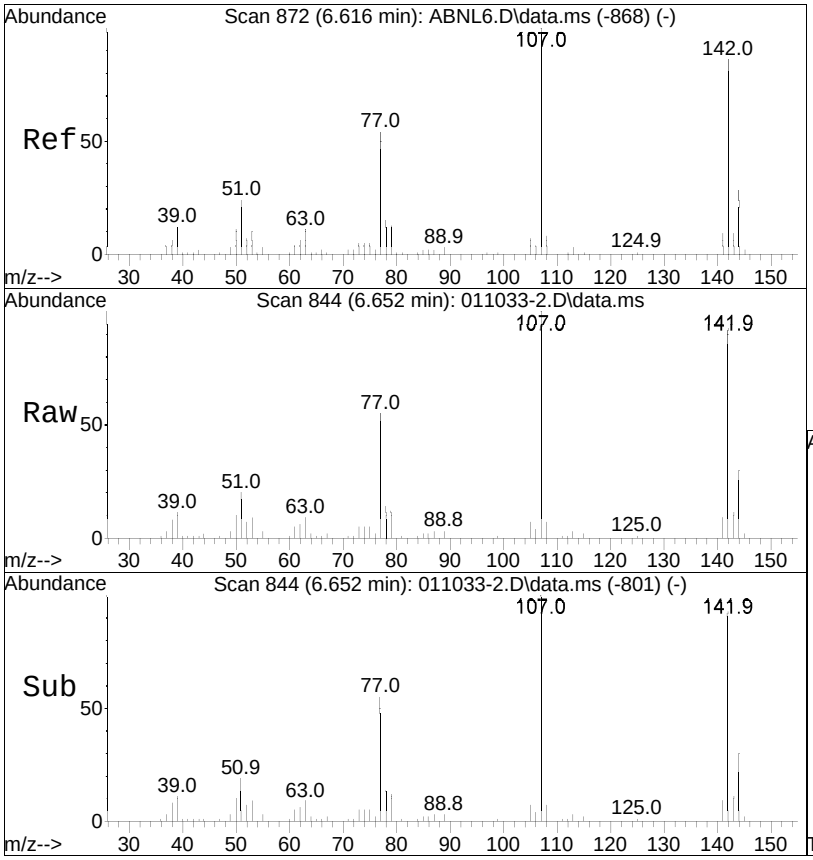


#39
Hexachlorobutadiene
Concen: 1.11 ug/ml
RT: 6.240 min Scan# 774
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:225 Resp: 7593

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.5	75.7
227	61.9	50.4	75.6

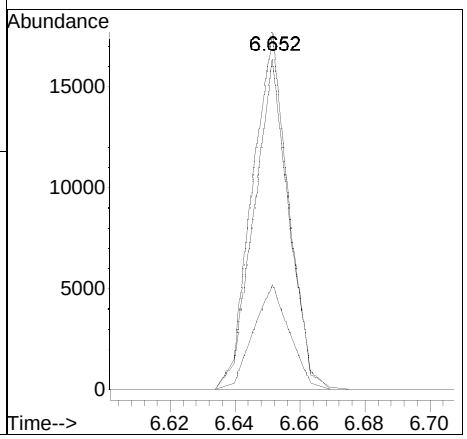


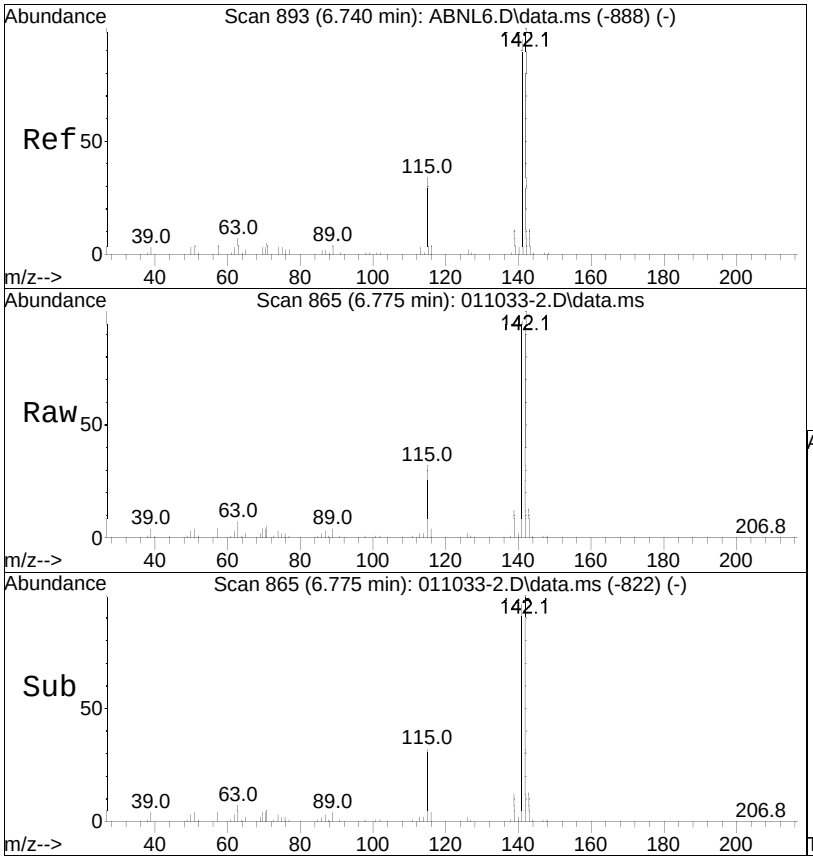


#40
p-Chloro-m-cresol
Concen: 1.80 ug/ml
RT: 6.652 min Scan# 844
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:107 Resp: 13493

Ion	Ratio	Lower	Upper
107	100		
144	29.5	20.3	30.5
142	89.7	63.8	95.6

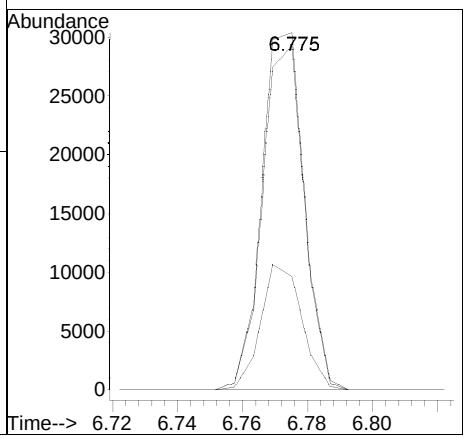


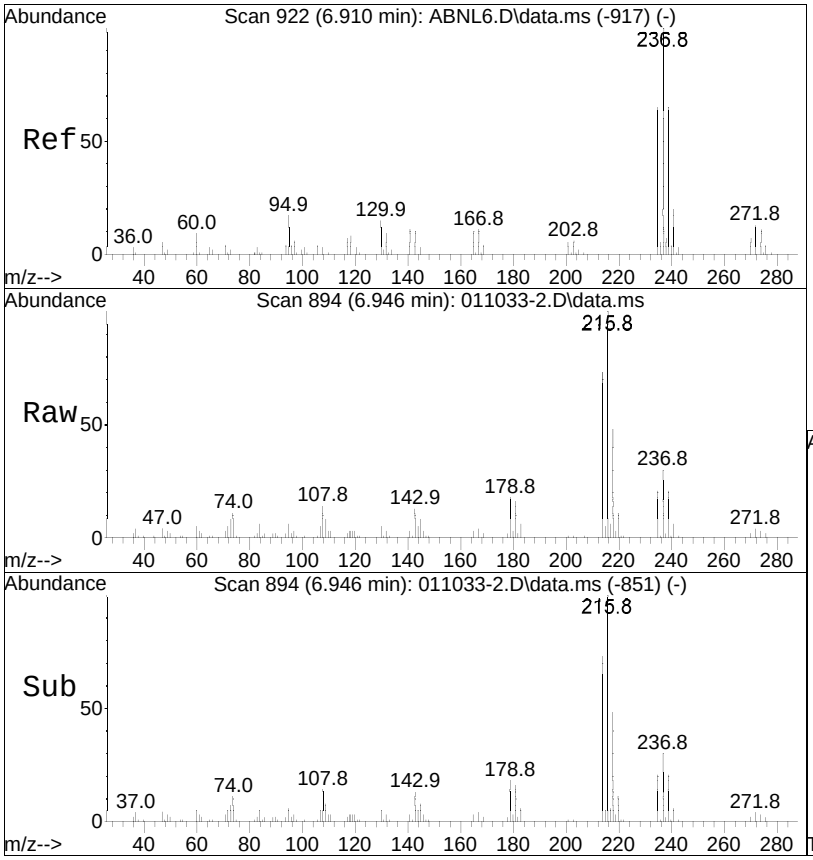


#41
2-Methylnaphthalene
Concen: 1.45 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:142 Resp: 27641

Ion	Ratio	Lower	Upper
142	100		
141	94.2	72.2	108.4
115	34.0	27.8	41.6

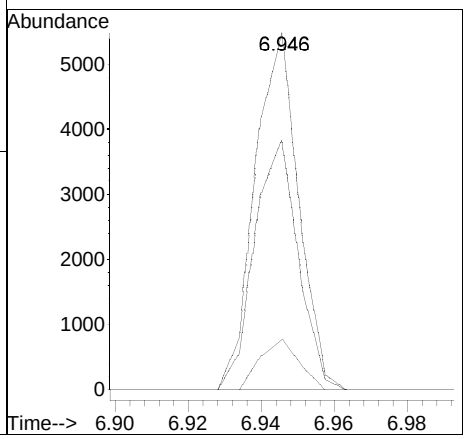


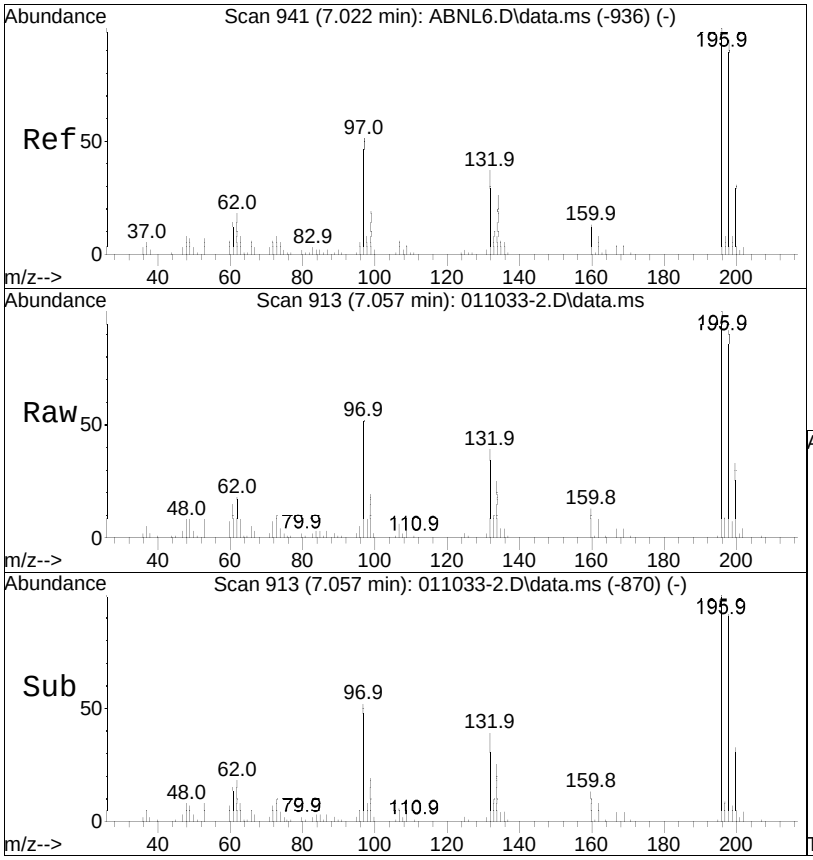


#43
Hexachlorocyclopentadiene
Concen: 0.64 ug/ml
RT: 6.946 min Scan# 894
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:237 Resp: 4523

Ion	Ratio	Lower	Upper
237	100		
235	70.2	50.9	76.3
272	12.7	10.1	15.1

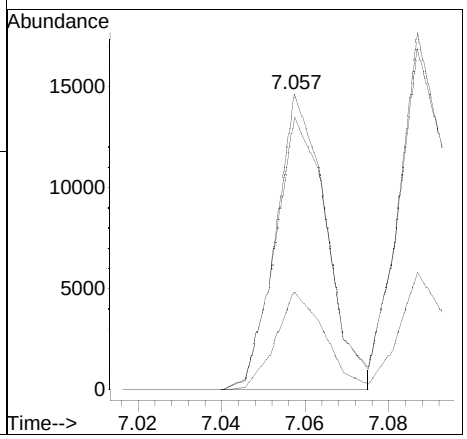


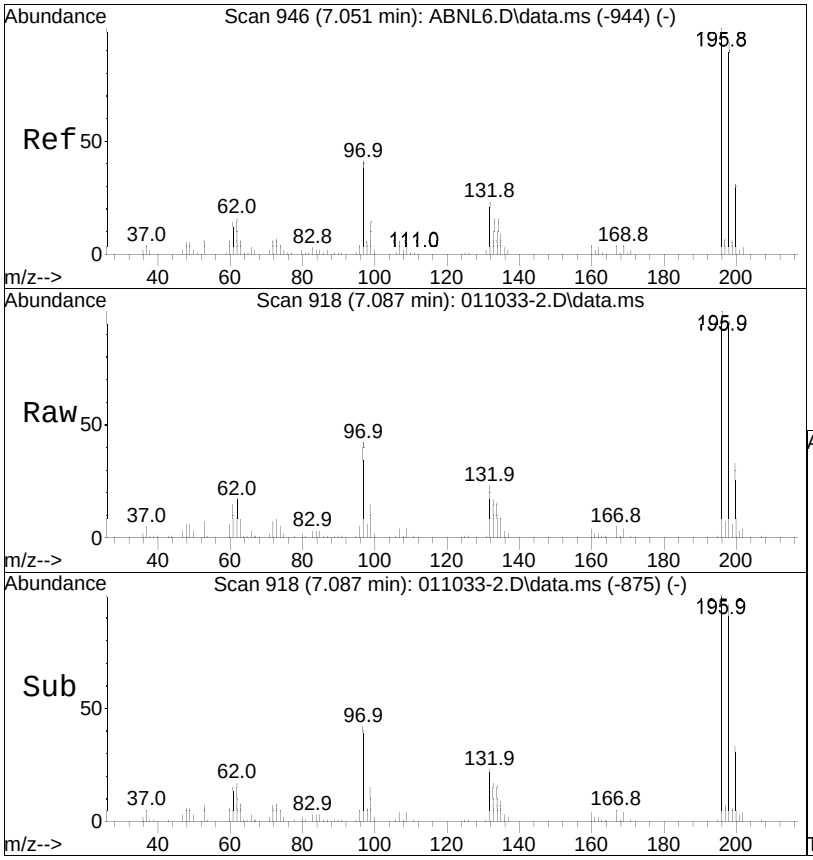


#44
2,4,6-Trichlorophenol
Concen: 1.75 ug/ml
RT: 7.057 min Scan# 913
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:196 Resp: 12317

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.4	114.6
200	32.2	24.4	36.6

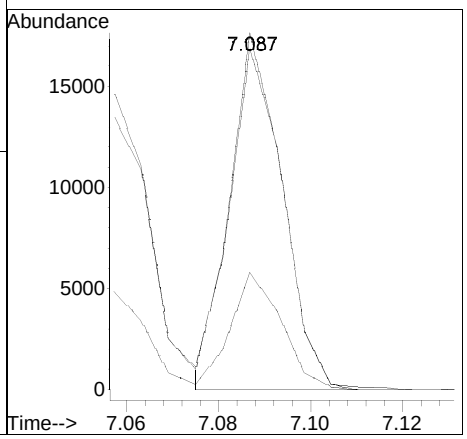


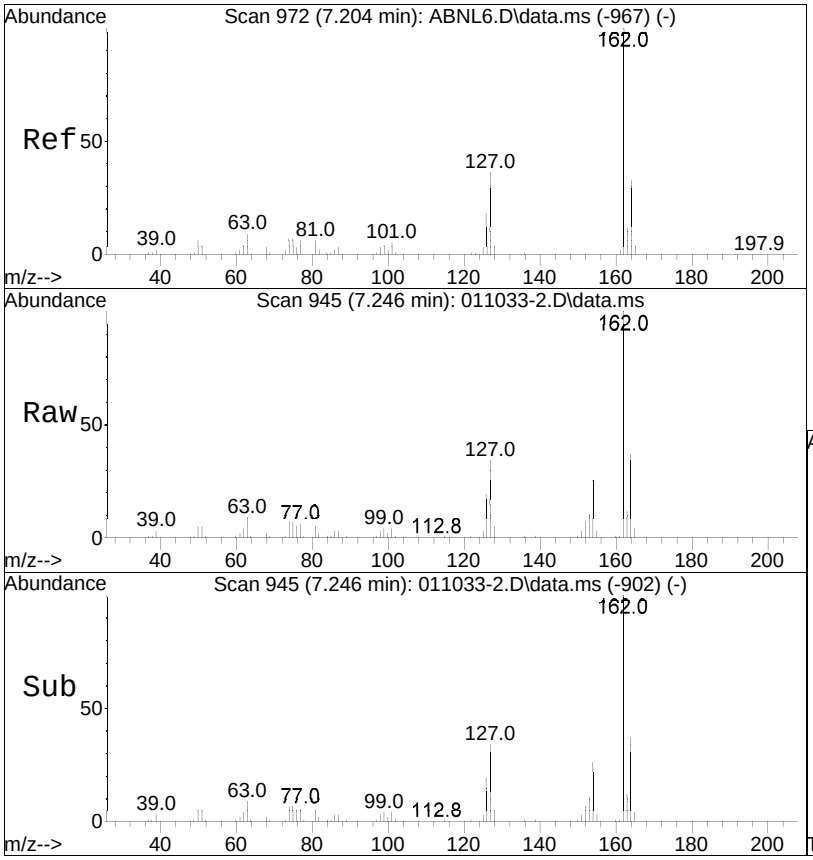


#45
2,4,5-Trichlorophenol
Concen: 1.85 ug/ml M3
RT: 7.087 min Scan# 918
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:196 Resp: 13904

Ion	Ratio	Lower	Upper
196	100		
200	28.5	24.2	36.4
198	85.5	76.2	114.2

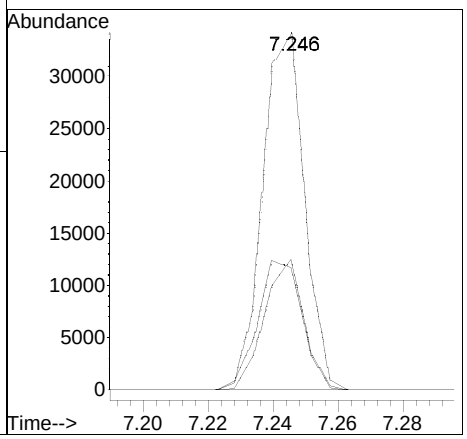


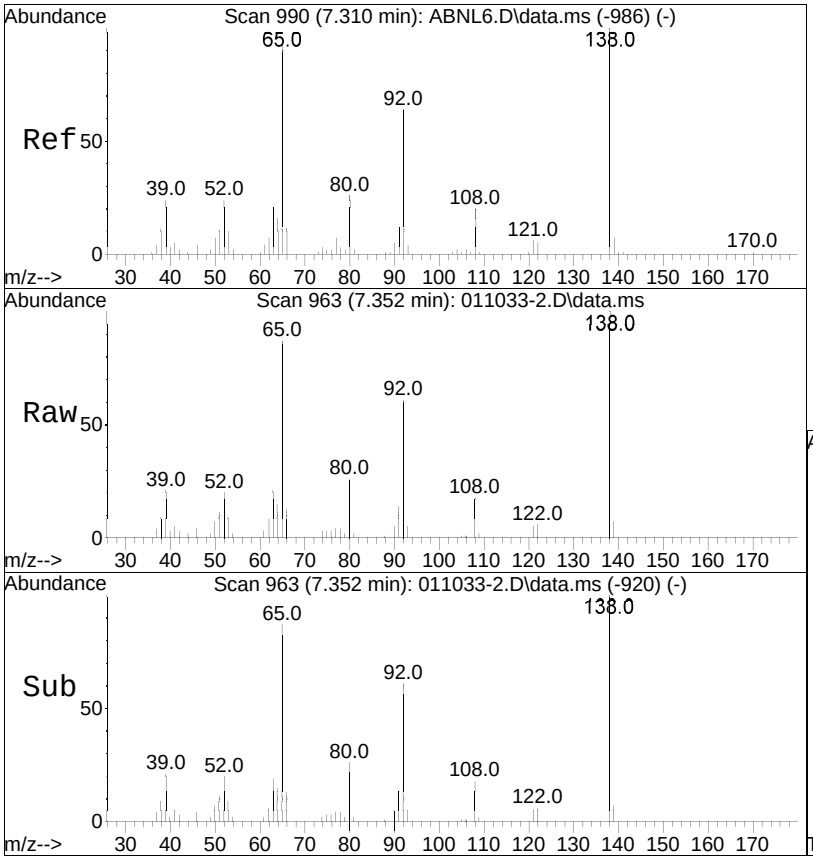


#47
2-Chloronaphthalene
Concen: 1.49 ug/ml
RT: 7.246 min Scan# 945
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:162 Resp: 30310

Ion	Ratio	Lower	Upper
162	100		
127	38.8	33.8	50.6
164	34.9	25.8	38.6

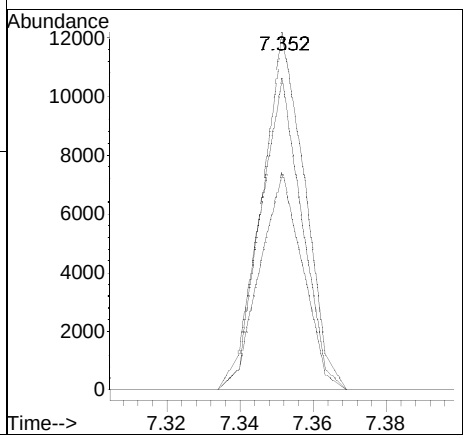


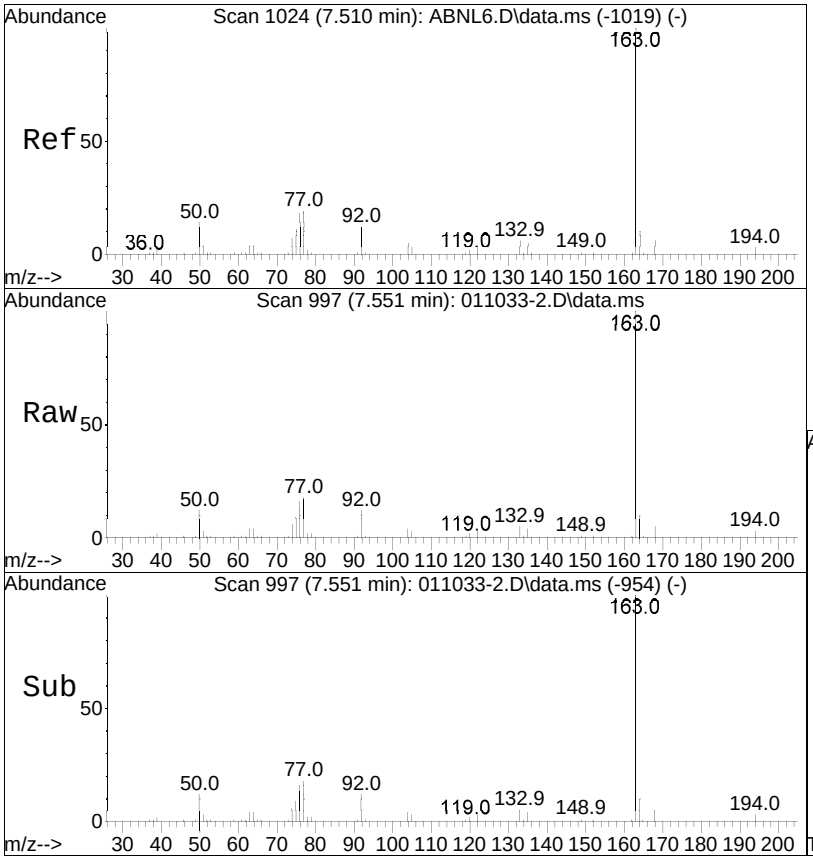


#48
2-Nitroaniline
Concen: 1.83 ug/ml
RT: 7.352 min Scan# 963
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:138 Resp: 9703

Ion	Ratio	Lower	Upper
138	100		
92	61.9	52.1	78.1
65	87.4	75.9	113.9

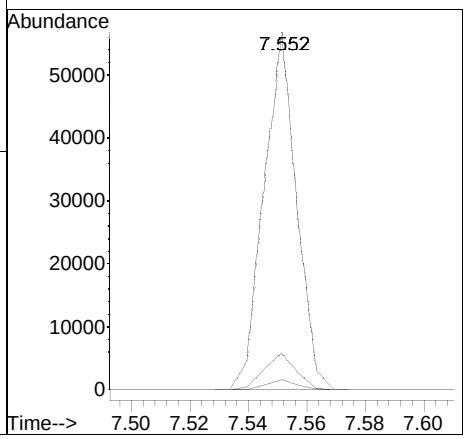


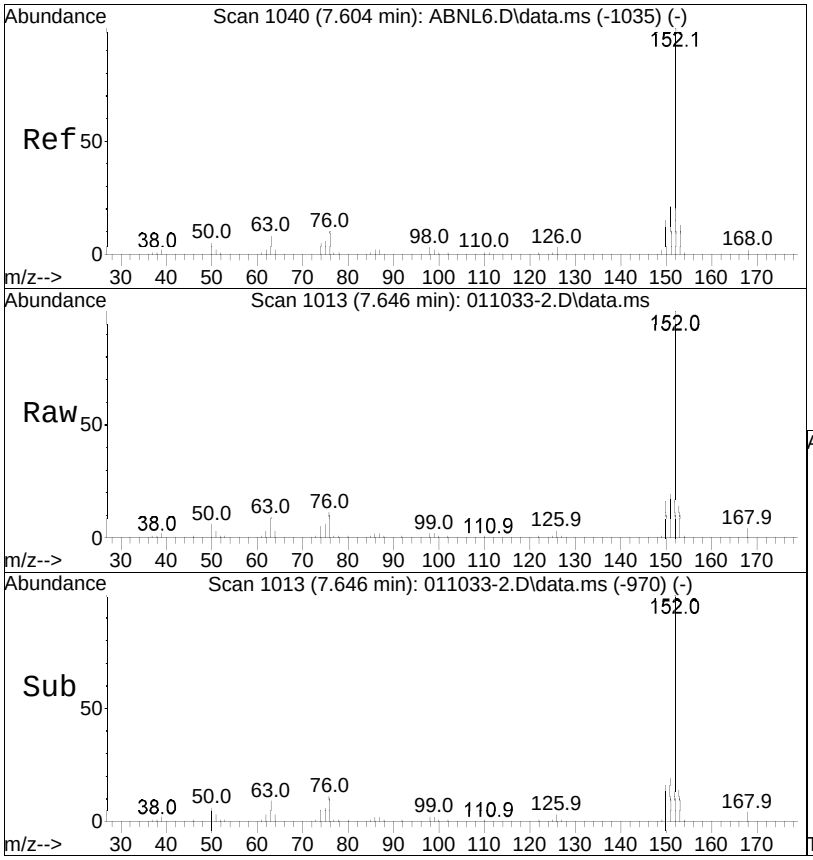


#51
Dimethyl phthalate
Concen: 1.80 ug/ml
RT: 7.551 min Scan# 997
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:163 Resp: 43457

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.3	3.5
164	10.2	8.2	12.2

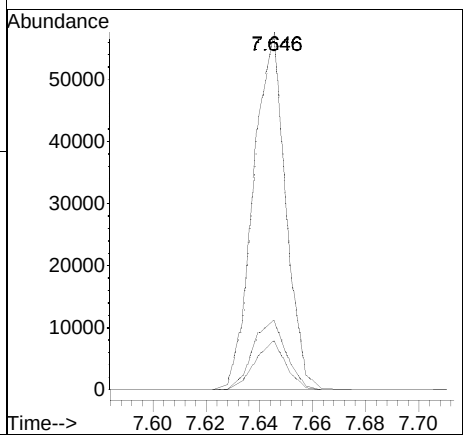


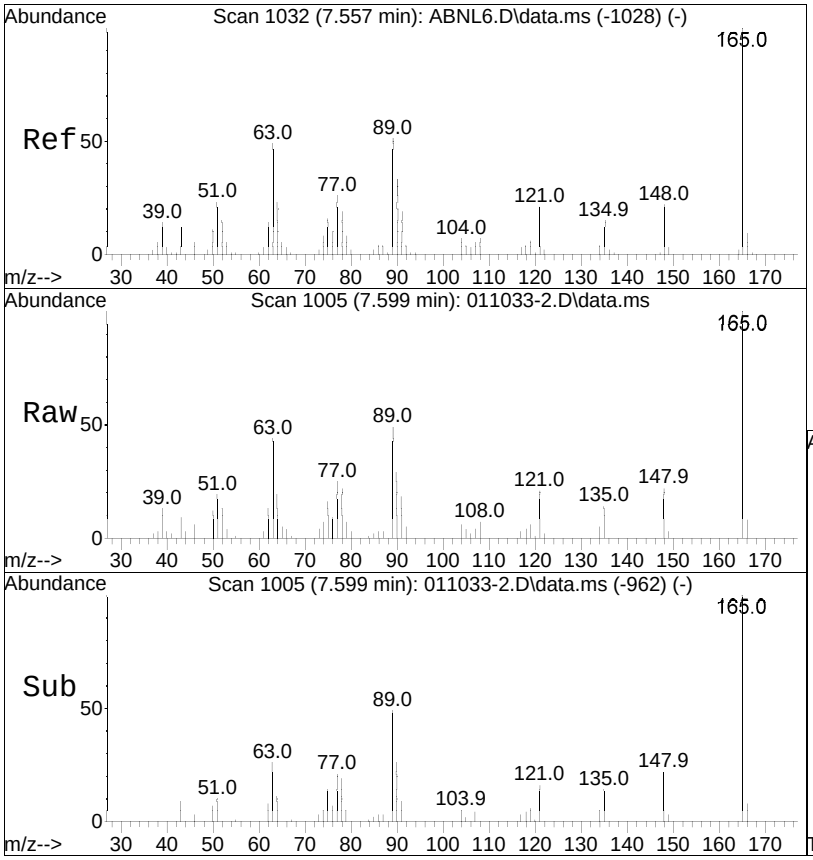


#52
Acenaphthylene
Concen: 1.67 ug/ml
RT: 7.646 min Scan# 1013
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:152 Resp: 47929

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.4	10.5	15.7

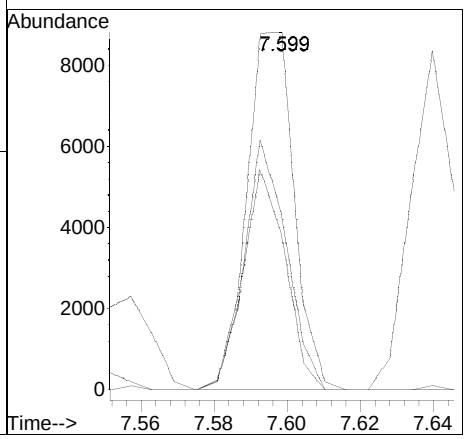


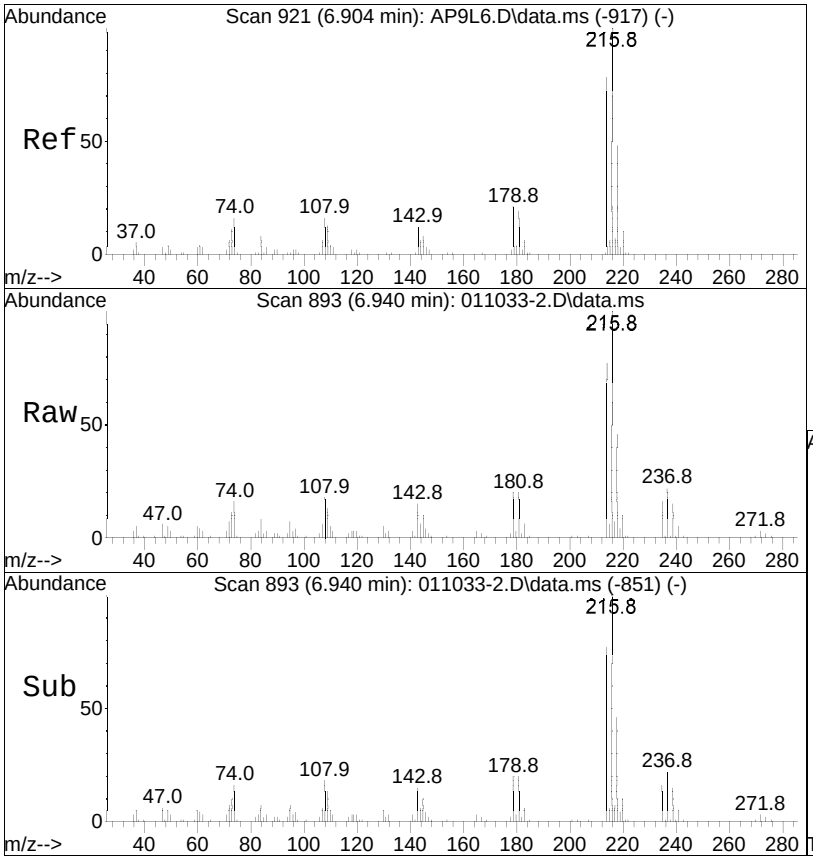


#53
2,6-Dinitrotoluene
Concen: 1.73 ug/ml
RT: 7.599 min Scan# 1005
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:165 Resp: 7933

Ion	Ratio	Lower	Upper
165	100		
89	62.0	48.8	73.2
63	54.8	50.5	75.7

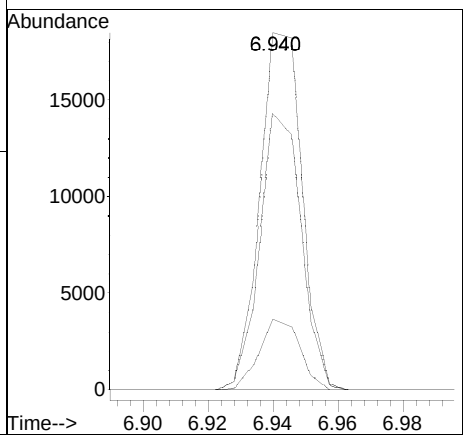


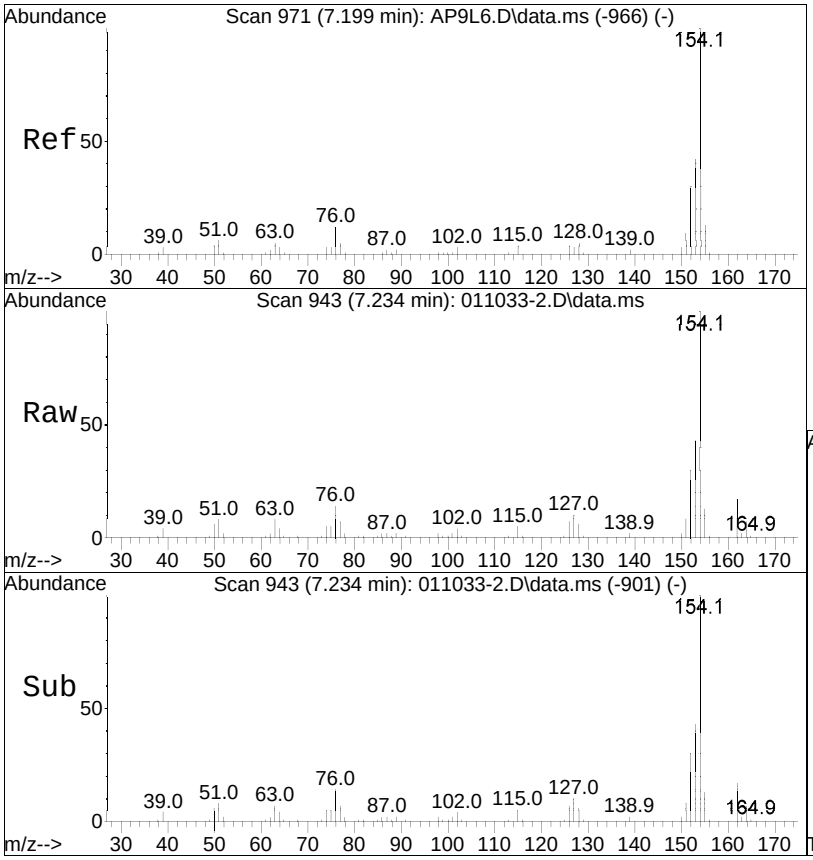


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.36 ug/ml
RT: 6.940 min Scan# 893
Delta R.T. -0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:216 Resp: 16701

Ion	Ratio	Lower	Upper
216	100		
214	76.0	64.0	96.0
179	19.1	18.7	28.1

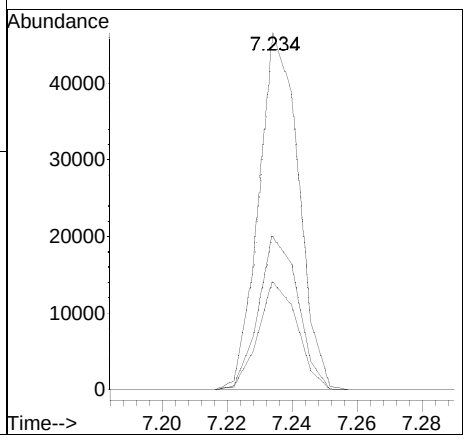


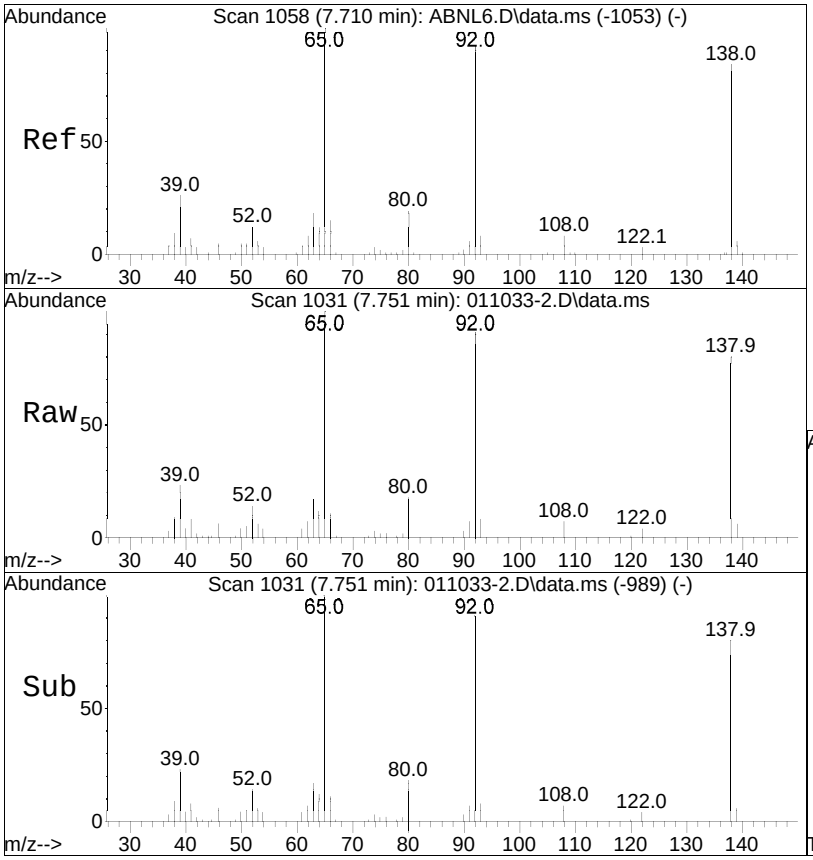


#62
Biphenyl
Concen: 1.55 ug/ml
RT: 7.234 min Scan# 943
Delta R.T. -0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:154 Resp: 39364

Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.5	48.7
152	30.1	22.6	34.0

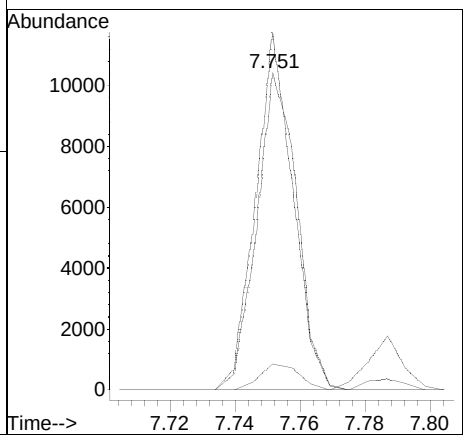


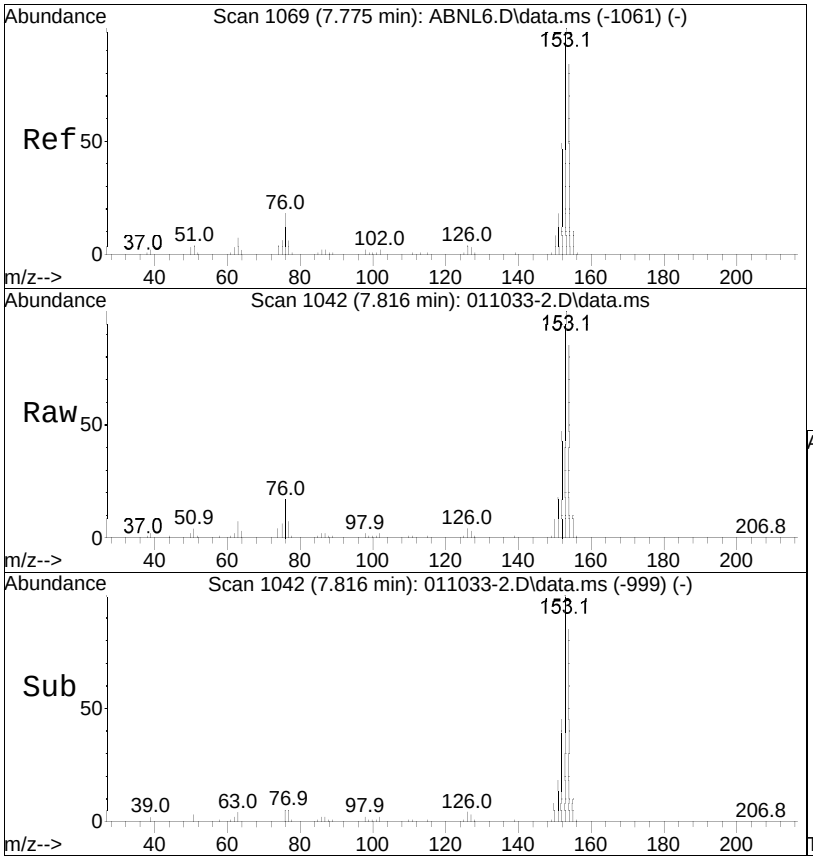


#64
3-Nitroaniline
Concen: 1.73 ug/ml
RT: 7.751 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:138 Resp: 8864

Ion	Ratio	Lower	Upper
138	100		
92	105.1	92.8	139.2
108	8.1	7.9	11.9

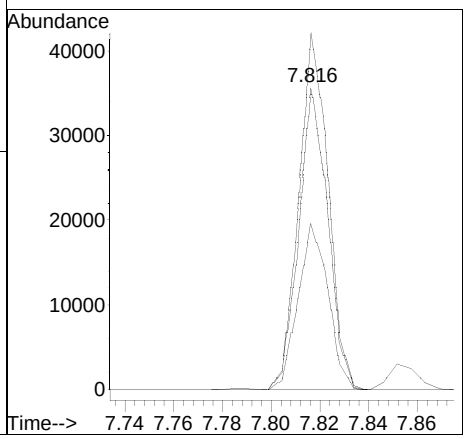


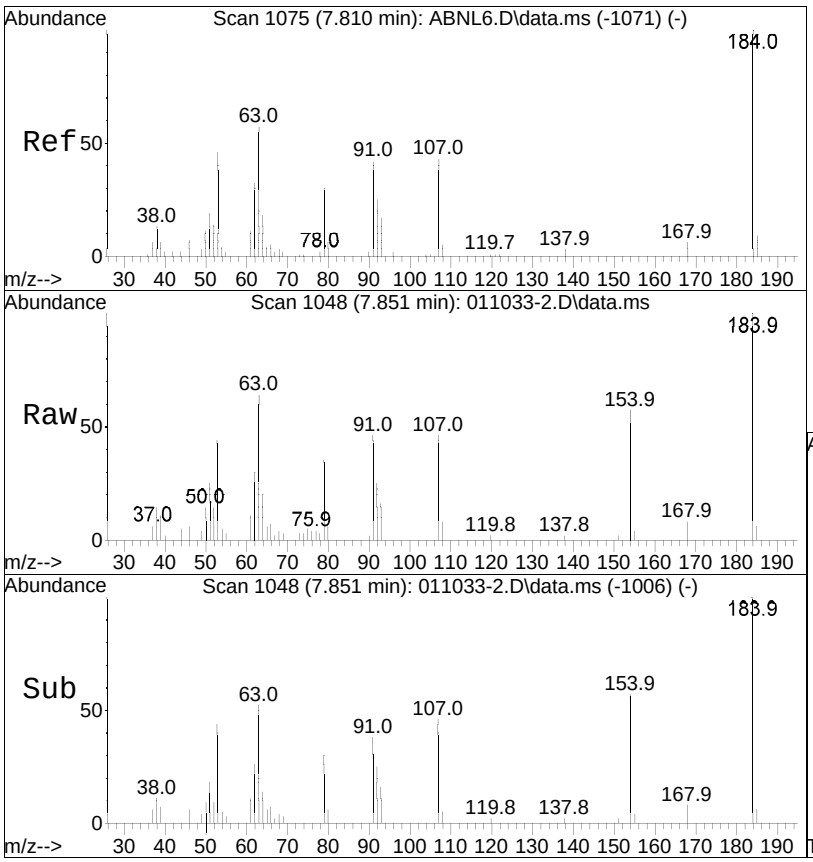


#65
Acenaphthene
Concen: 1.62 ug/ml
RT: 7.816 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:154 Resp: 29757

Ion	Ratio	Lower	Upper
154	100		
153	118.3	93.0	139.4
152	56.7	43.3	64.9

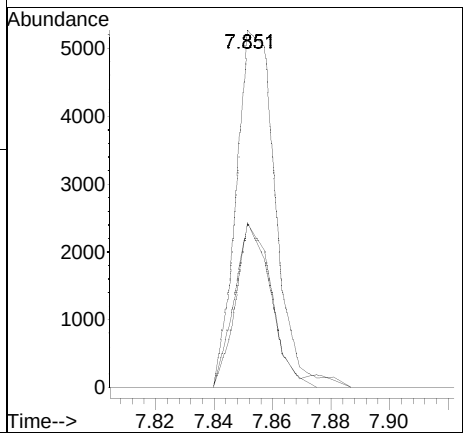


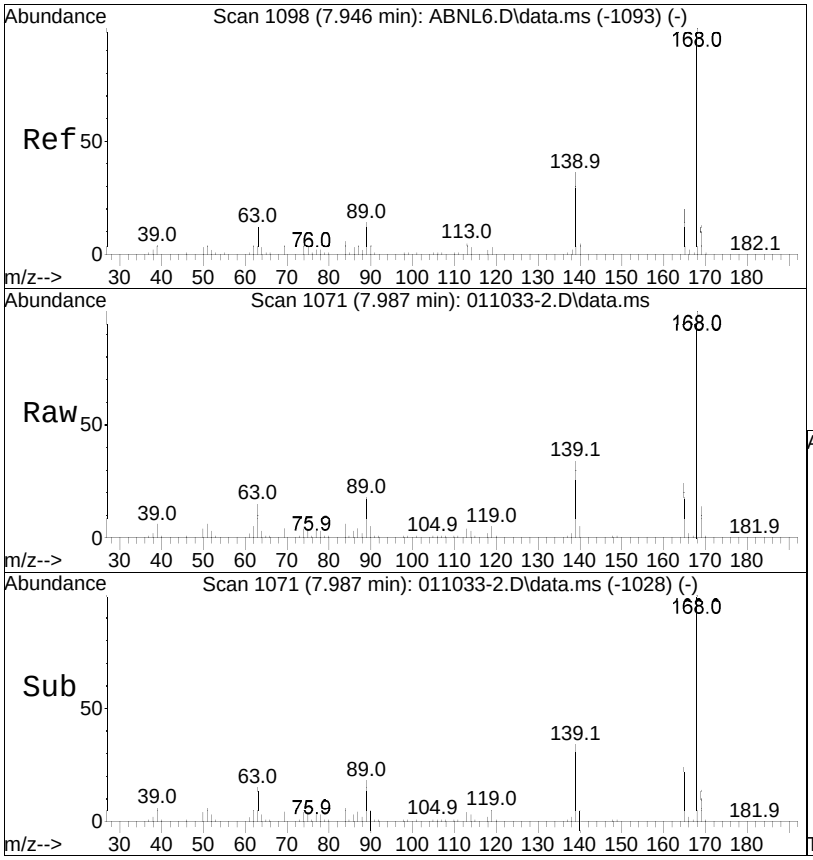


#66
2,4-Dinitrophenol
Concen: 1.69 ug/ml
RT: 7.851 min Scan# 1048
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:184 Resp: 4893

Ion	Ratio	Lower	Upper
184	100		
107	41.4	41.8	62.6#
91	45.8	44.2	66.2

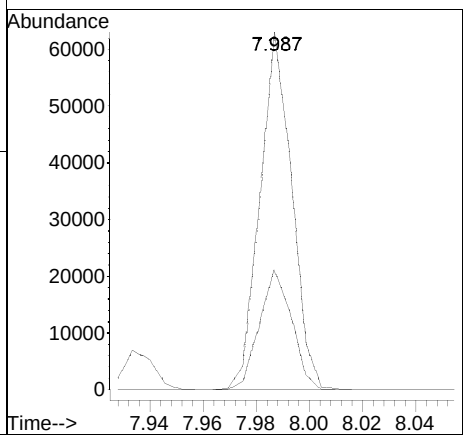


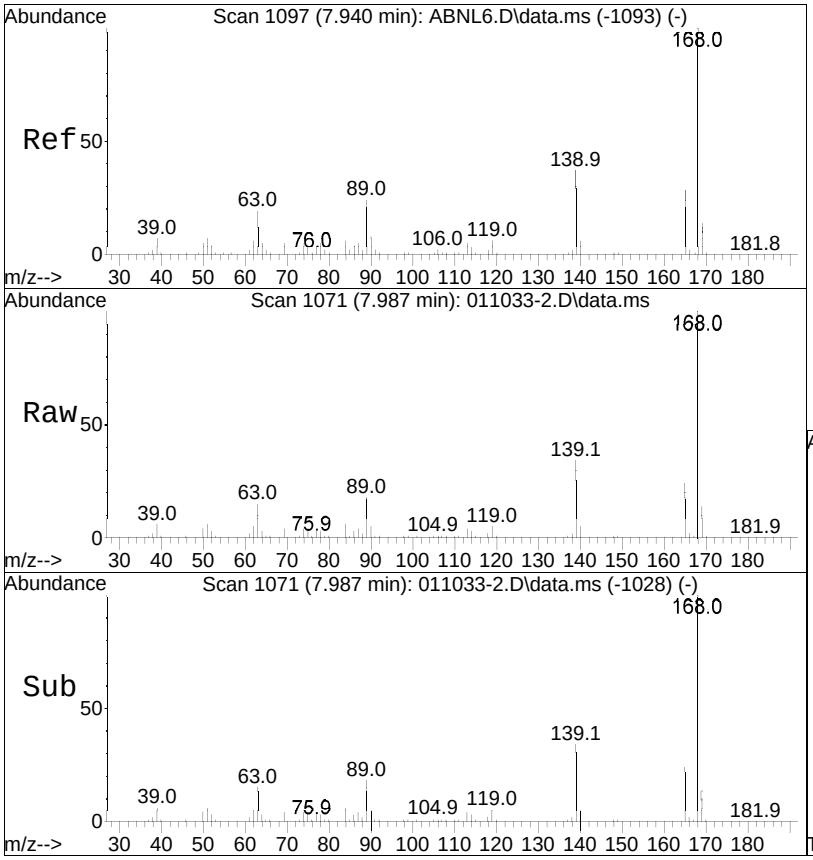


#67
Dibenzofuran
Concen: 1.67 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:168 Resp: 51857

Ion	Ratio	Lower	Upper
168	100		
139	34.3	32.3	48.5

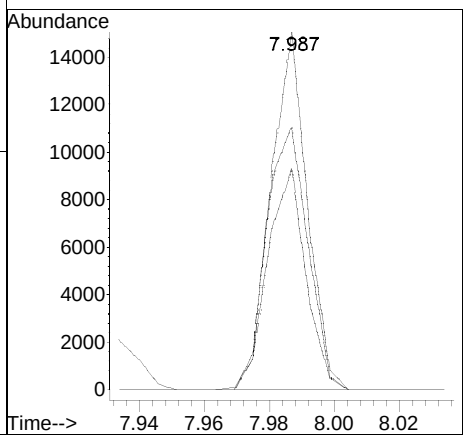


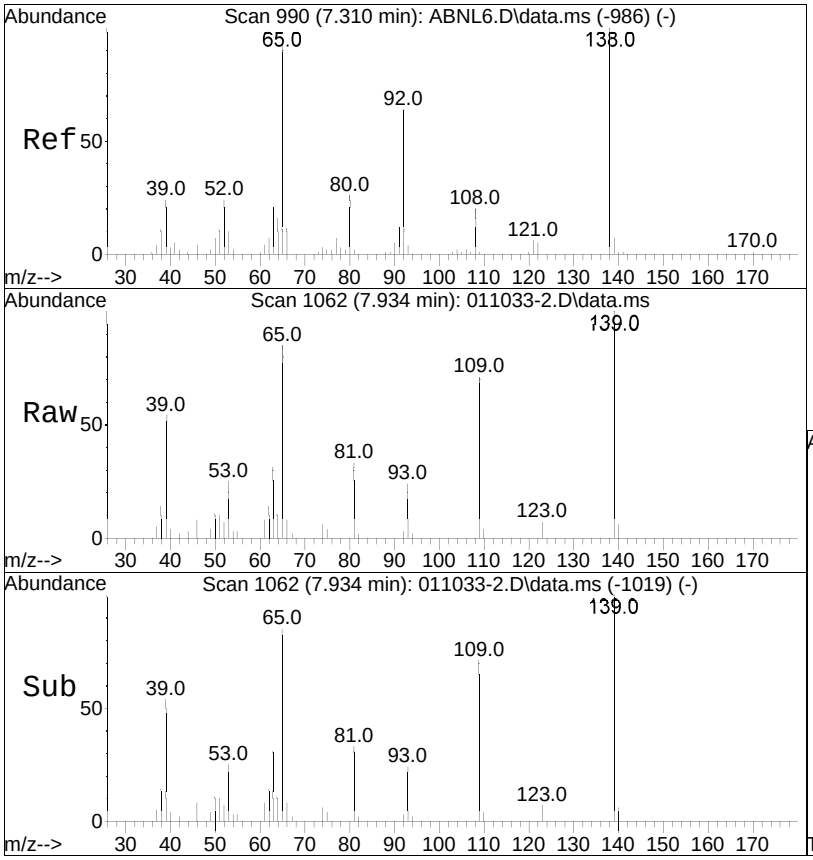


#68
2,4-Dinitrotoluene
Concen: 1.81 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:165 Resp: 11596

Ion	Ratio	Lower	Upper
165	100		
89	83.3	73.0	109.4
63	64.8	56.3	84.5

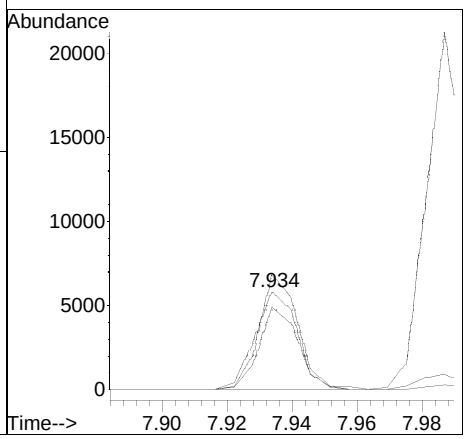


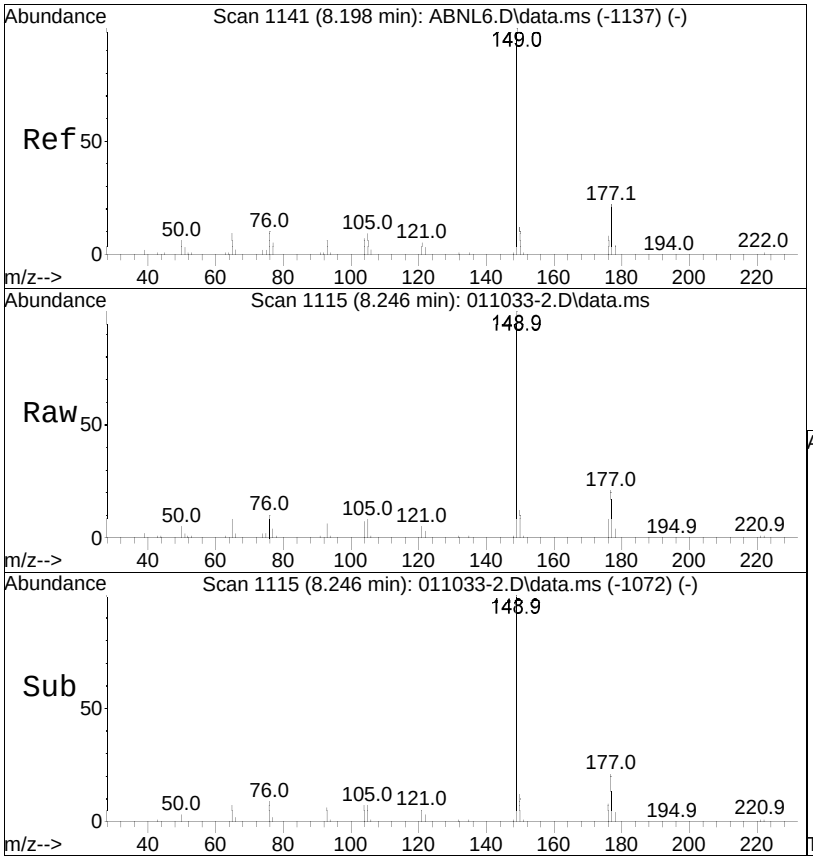


#69
4-Nitrophenol
Concen: 1.32 ug/ml
RT: 7.934 min Scan# 1062
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion: 65 Resp: 5282

Ion	Ratio	Lower	Upper
65	100		
109	77.3	60.2	90.2
139	106.6	81.1	121.7

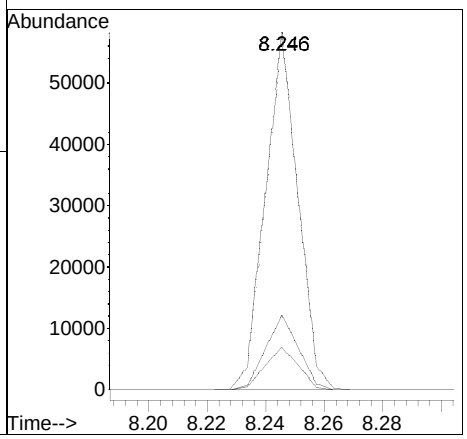


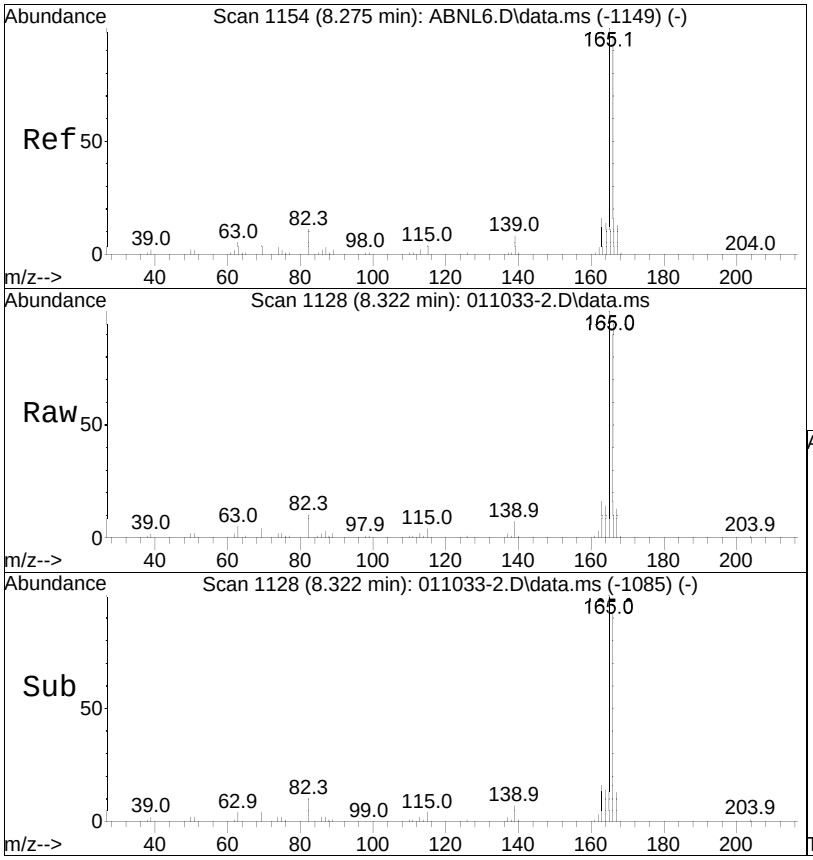


#72
Diethyl phthalate
Concen: 1.85 ug/ml
RT: 8.246 min Scan# 1115
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:149 Resp: 44410

Ion	Ratio	Lower	Upper
149	100		
177	21.3	15.0	22.6
150	12.4	9.8	14.6

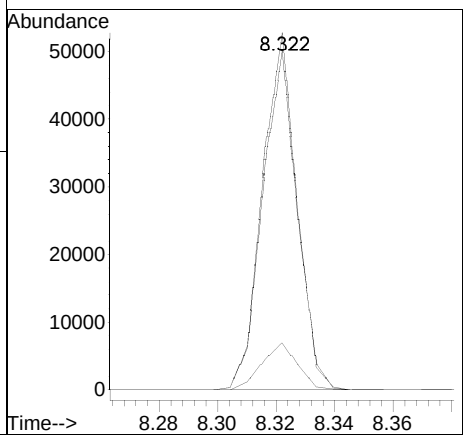


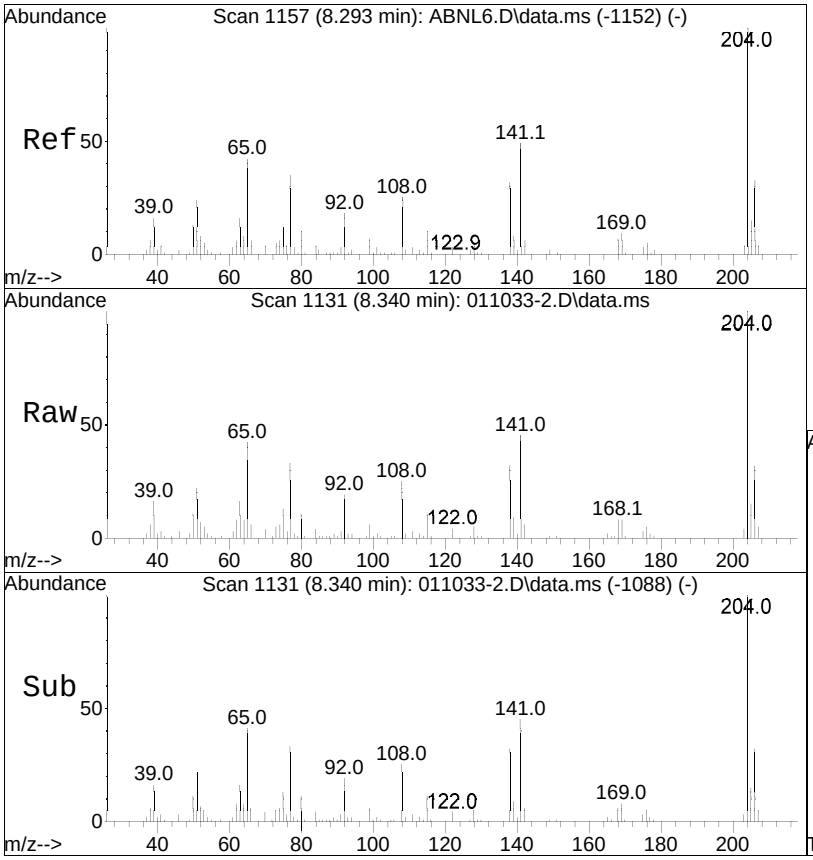


#73
Fluorene
Concen: 1.74 ug/ml
RT: 8.322 min Scan# 1128
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:166 Resp: 41150

Ion	Ratio	Lower	Upper
166	100		
165	104.8	80.0	120.0
167	14.4	10.7	16.1

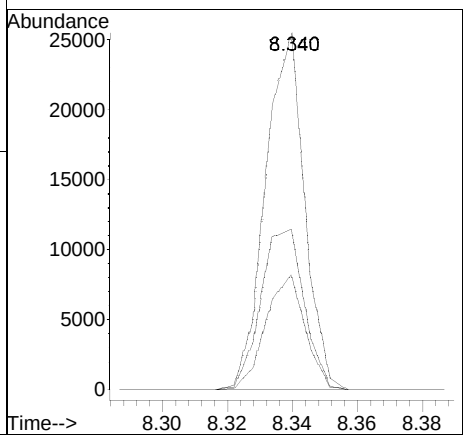


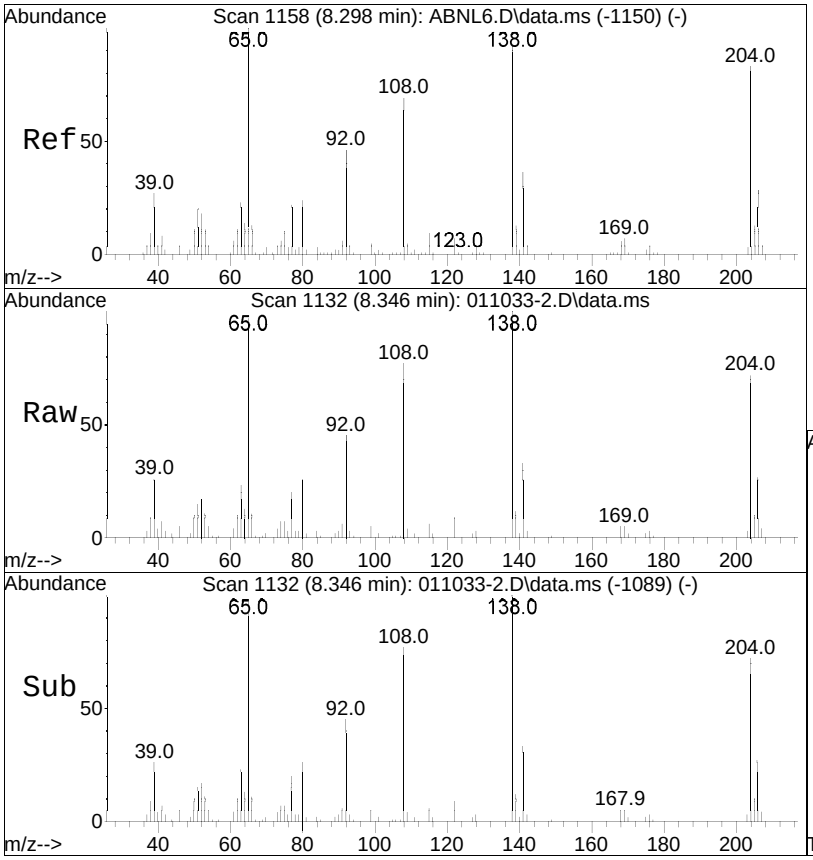


#74
4-Chlorophenyl phenyl ether
Concen: 1.63 ug/ml
RT: 8.340 min Scan# 1131
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:204 Resp: 21116

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	50.0	58.4	87.6#

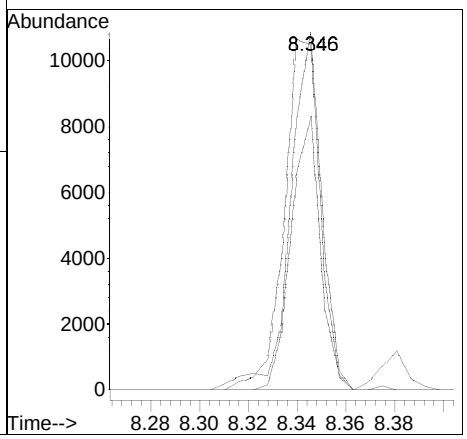


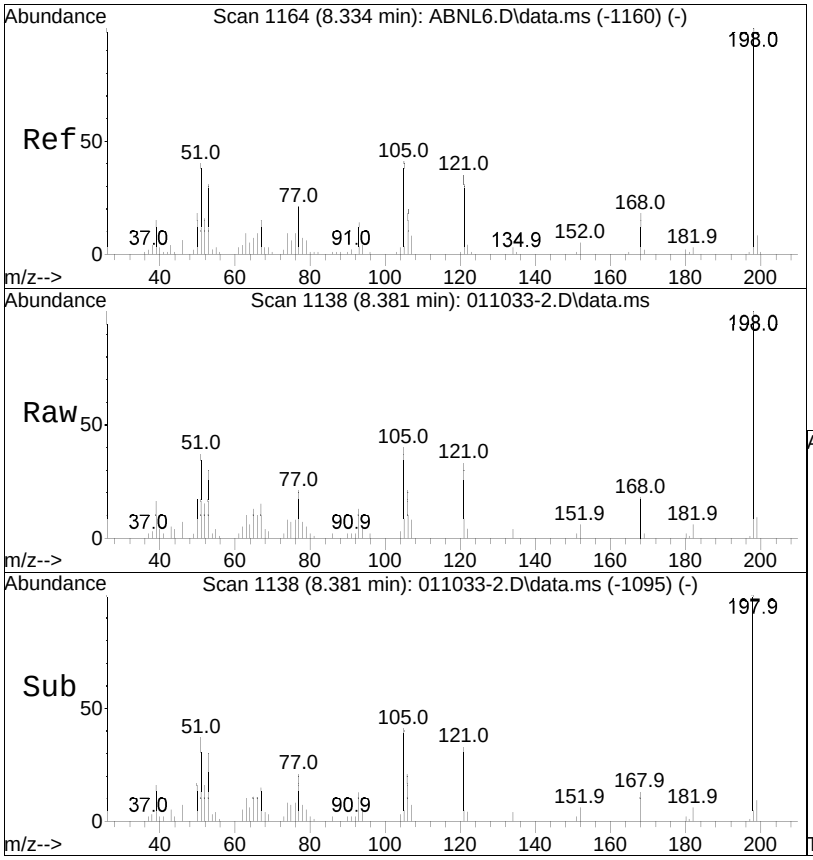


#75
4-Nitroaniline
Concen: 1.89 ug/ml
RT: 8.346 min Scan# 1132
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:138 Resp: 9626

Ion	Ratio	Lower	Upper
138	100		
108	71.6	59.2	88.8
65	111.2	97.6	146.4

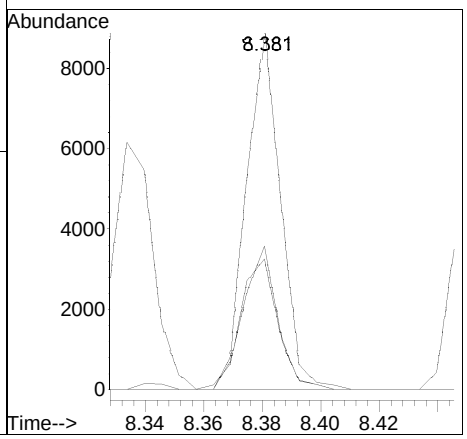


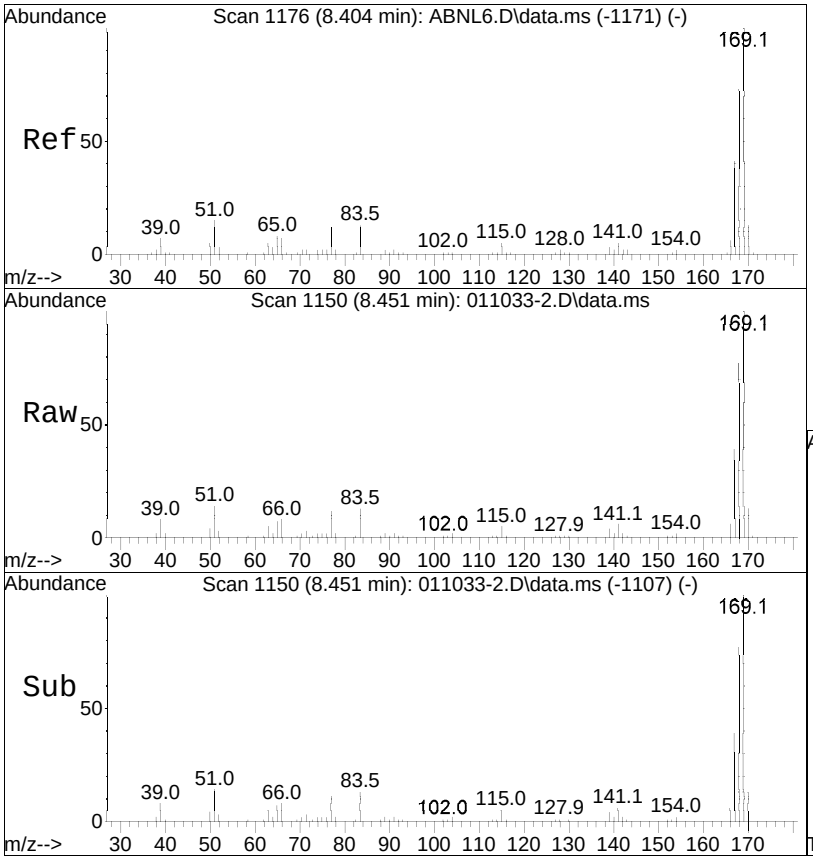


#76
4,6-Dinitro-o-cresol
Concen: 1.79 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:198 Resp: 7238

Ion	Ratio	Lower	Upper
198	100		
51	40.3	49.9	74.9#
105	40.5	45.8	68.6#

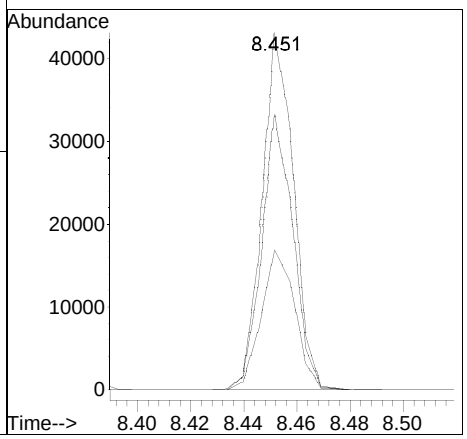


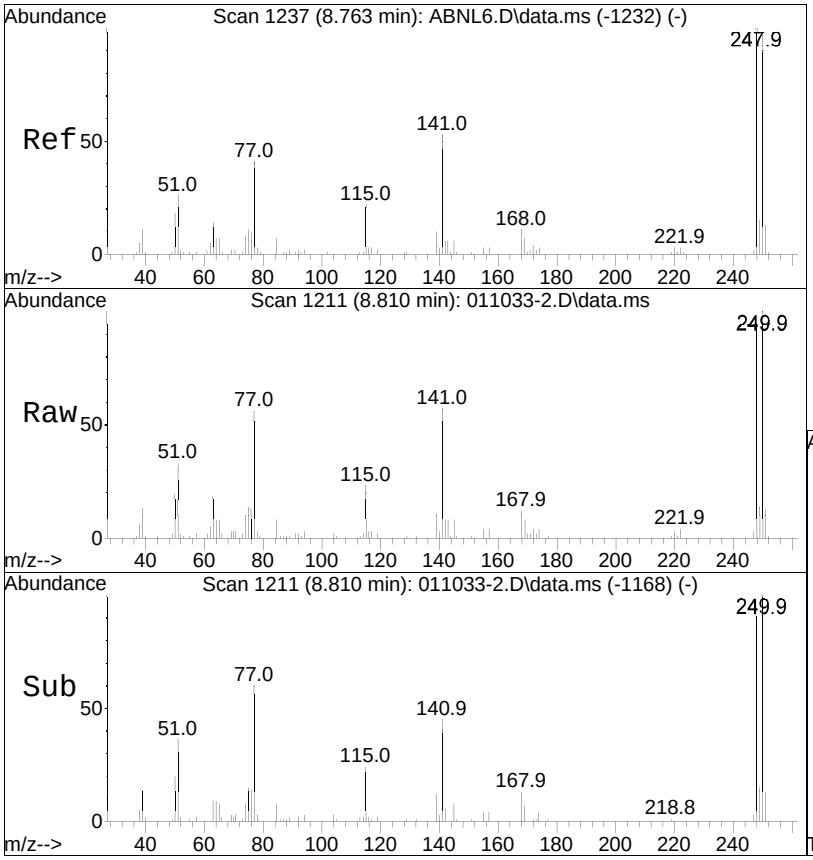


#77
NDPA/DPA
Concen: 1.79 ug/ml
RT: 8.451 min Scan# 1150
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:169 Resp: 35194

Ion	Ratio	Lower	Upper
169	100		
168	76.9	55.2	82.8
167	42.1	30.4	45.6

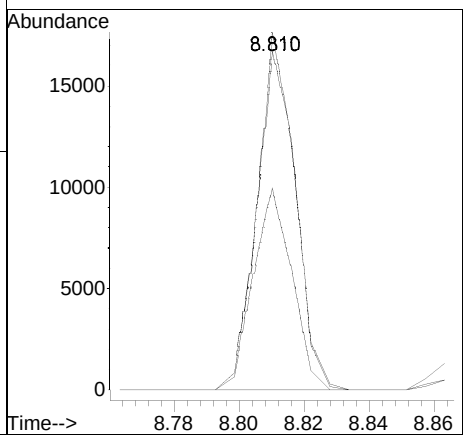


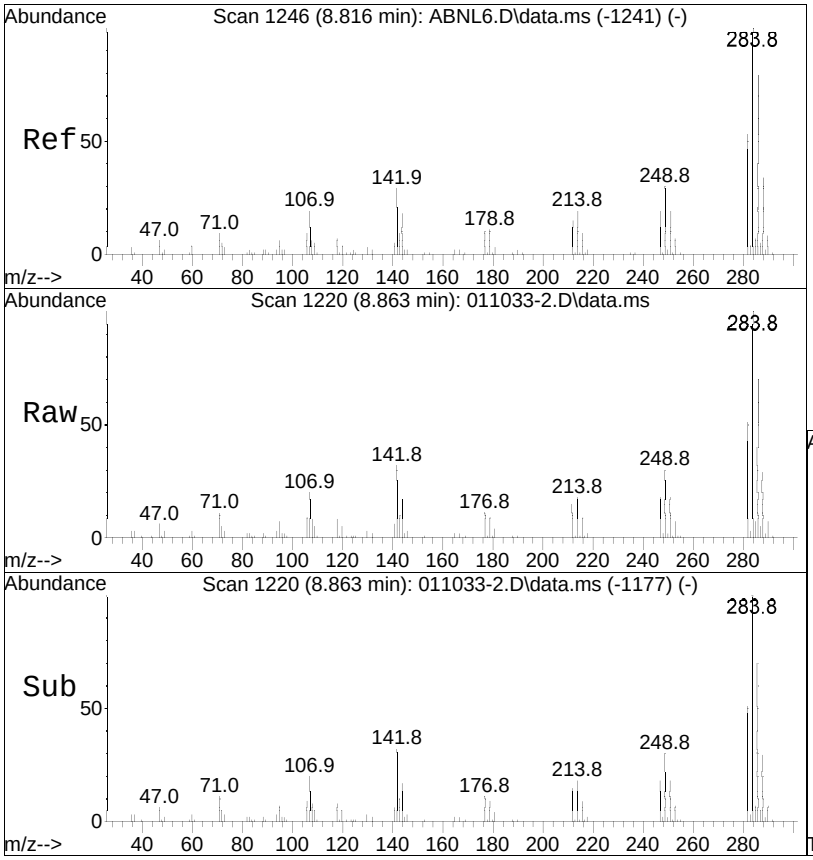


#80
4-Bromophenyl phenyl ether
Concen: 1.67 ug/ml
RT: 8.810 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:248 Resp: 13798

Ion	Ratio	Lower	Upper
248	100		
141	59.0	74.6	111.8#
250	101.9	76.9	115.3

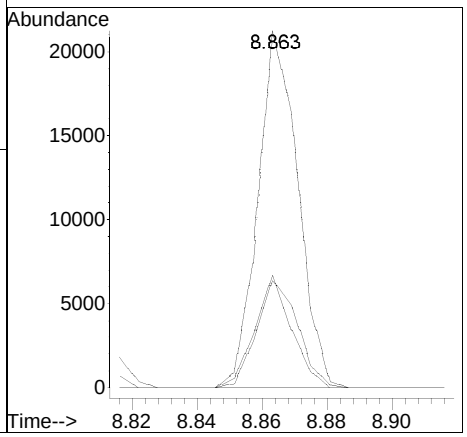


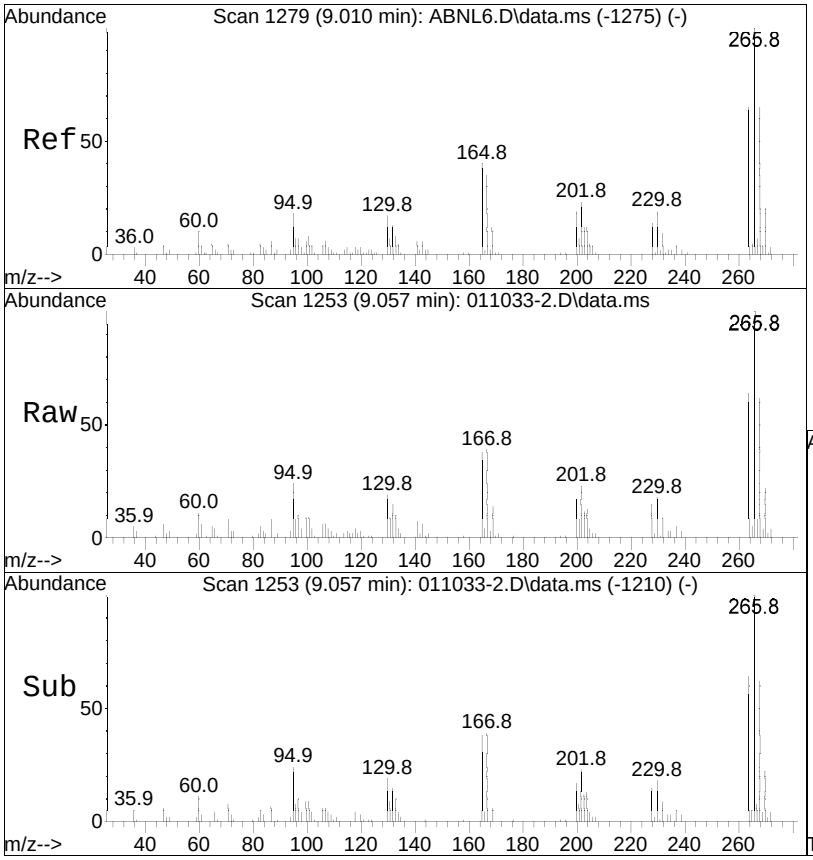


#81
Hexachlorobenzene
Concen: 1.79 ug/ml
RT: 8.863 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:284 Resp: 18014

Ion	Ratio	Lower	Upper
284	100		
142	29.1	37.6	56.4#
249	31.2	25.4	38.2

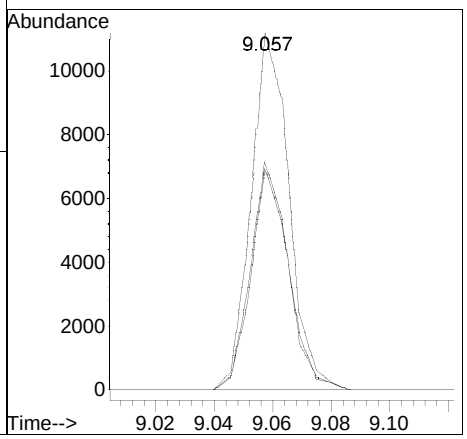


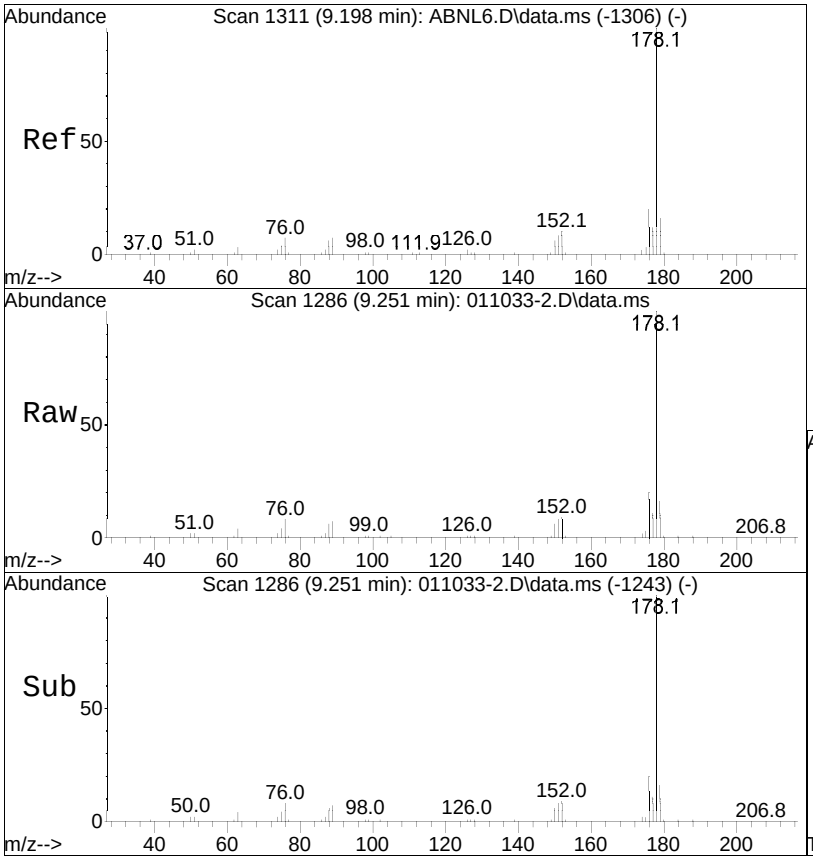


#82
Pentachlorophenol
Concen: 1.83 ug/ml
RT: 9.057 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:266 Resp: 10018

Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.7	76.1
268	62.1	52.5	78.7

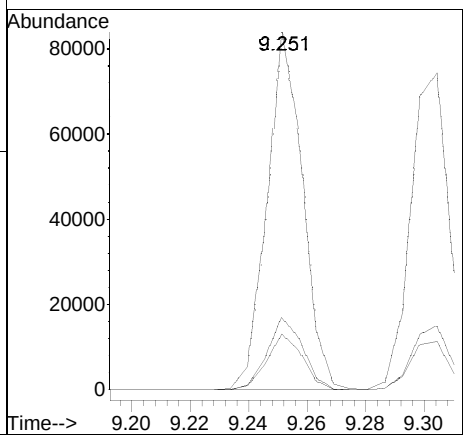


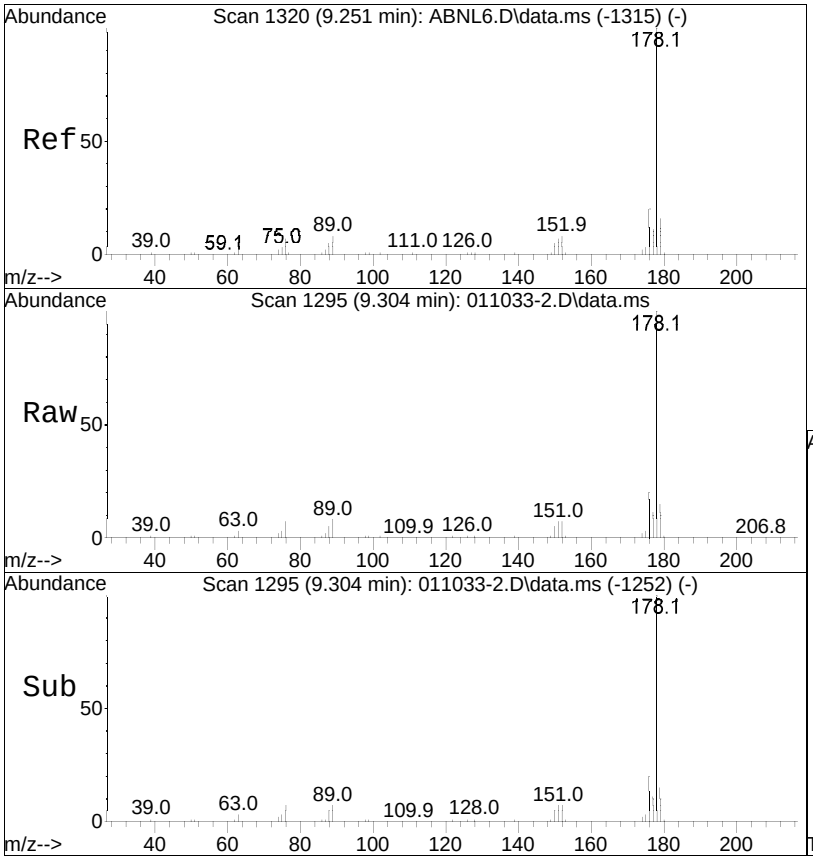


#89
Phenanthrene
Concen: 1.84 ug/ml
RT: 9.251 min Scan# 1286
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:178 Resp: 71089

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	20.1	15.4	23.2

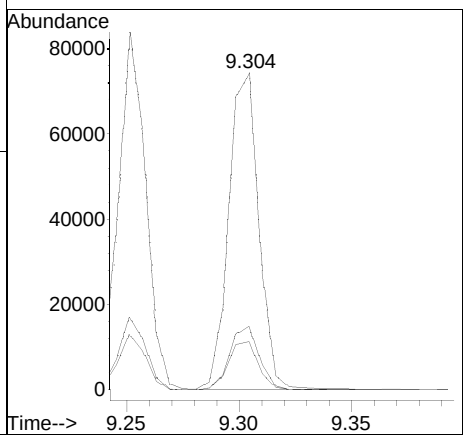


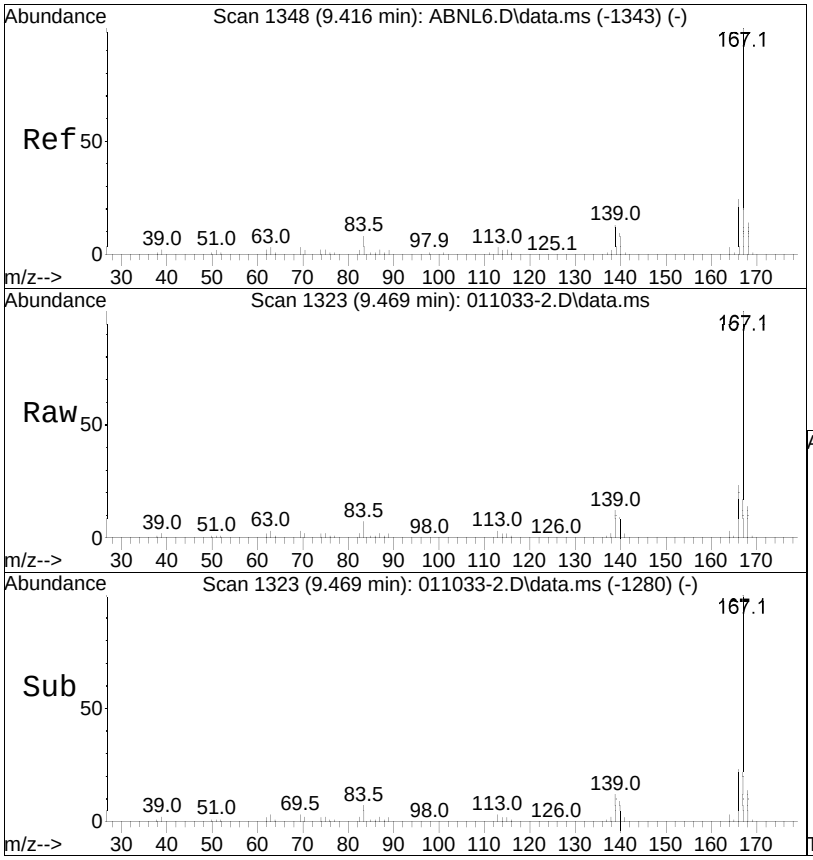


#90
Anthracene
Concen: 1.83 ug/ml
RT: 9.304 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:178 Resp: 68821

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.7	15.1	22.7

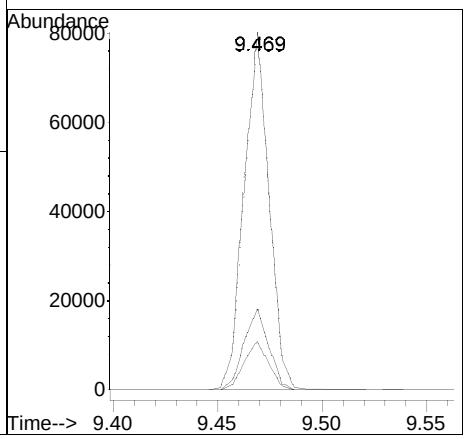


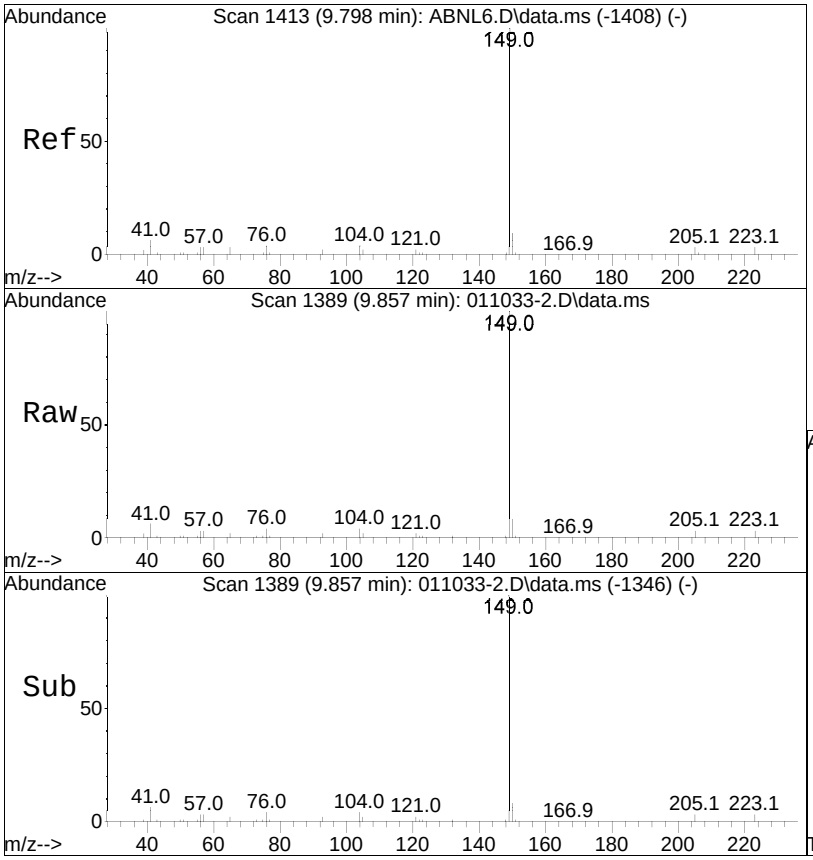


#91
Carbazole
Concen: 1.94 ug/ml
RT: 9.469 min Scan# 1323
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:167 Resp: 65760

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.8	16.2
166	22.7	17.7	26.5

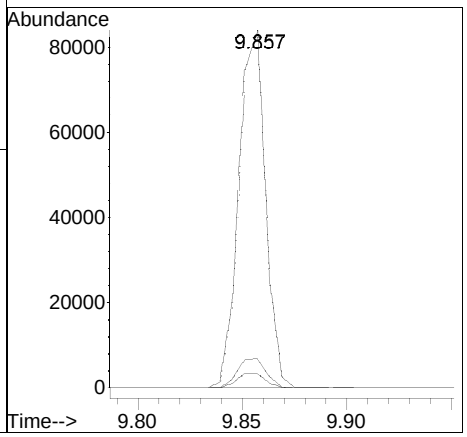


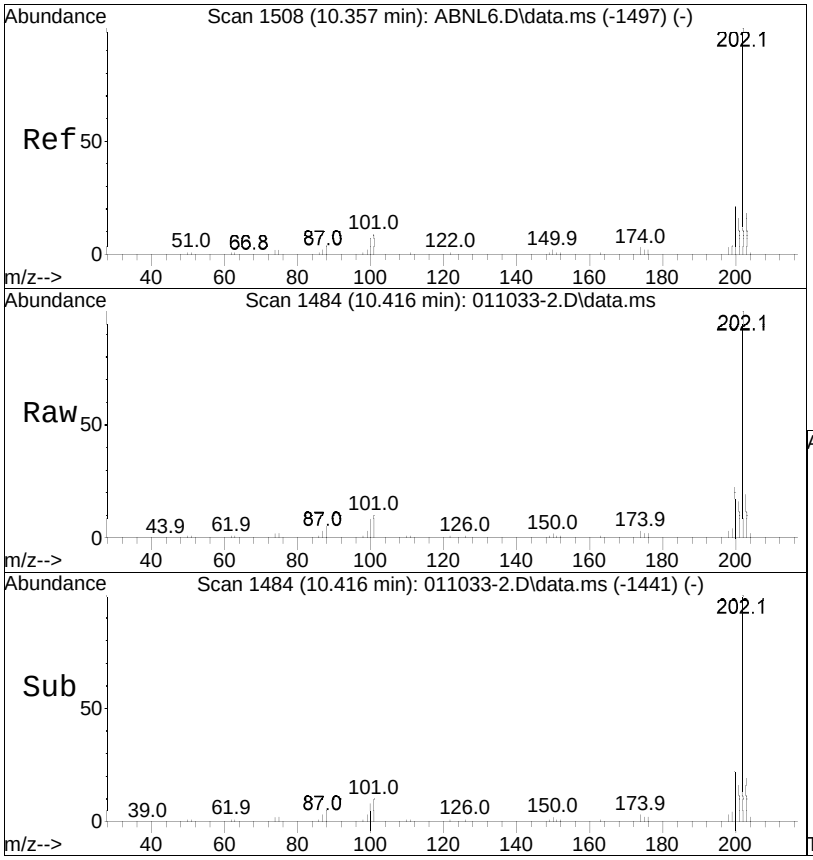


#92
Di-n-butylphthalate
Concen: 2.01 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:149 Resp: 73465

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.3	4.0	6.0

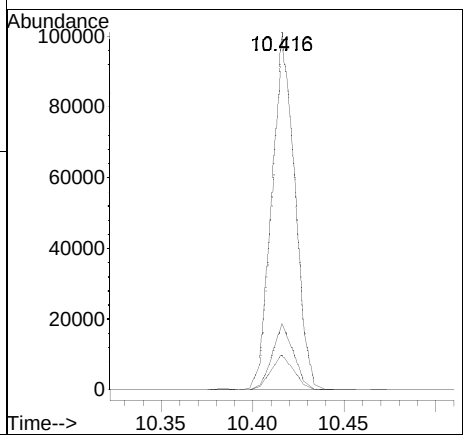


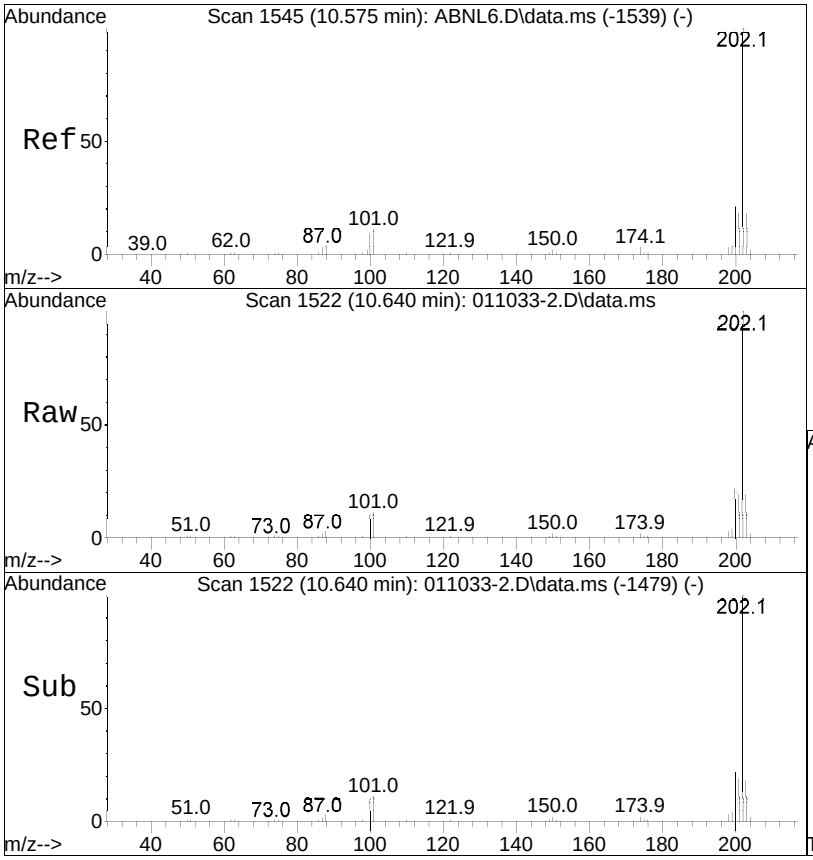


#93
Fluoranthene
Concen: 1.95 ug/ml
RT: 10.416 min Scan# 1484
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:202 Resp: 87175

Ion	Ratio	Lower	Upper
202	100		
101	10.0	11.2	16.8#
203	17.4	13.7	20.5

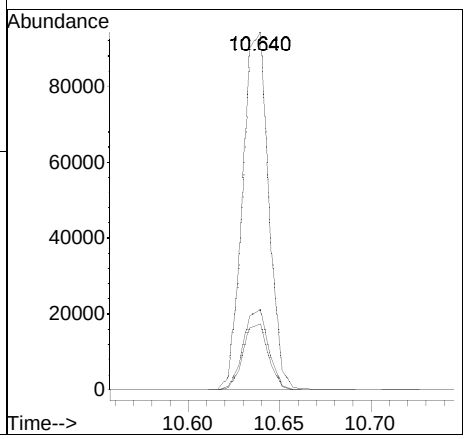


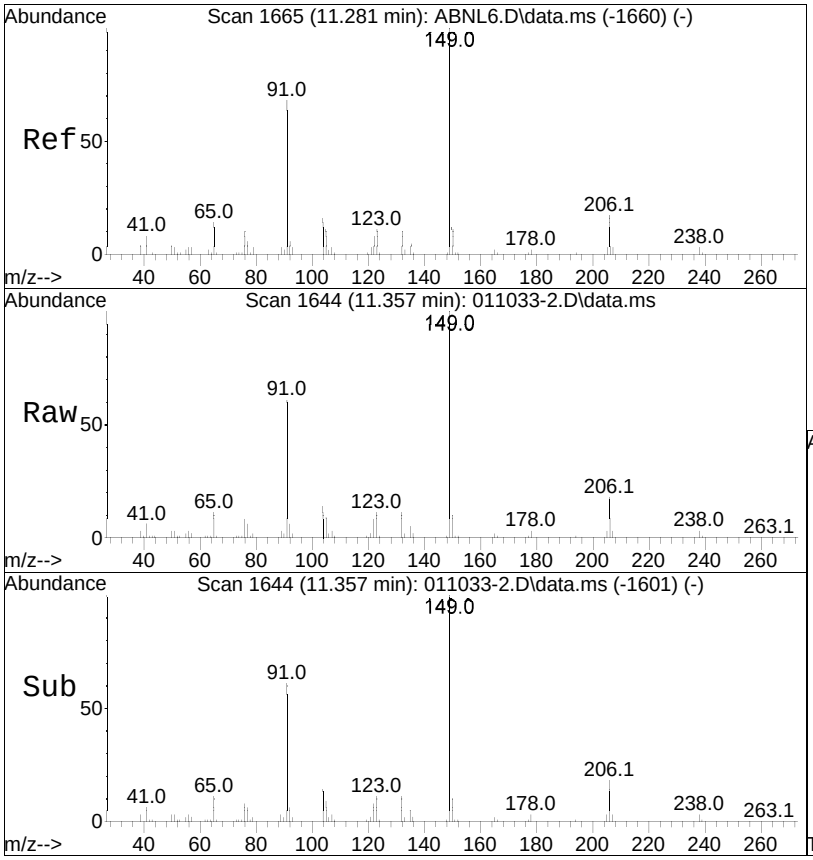


#95
Pyrene
Concen: 1.96 ug/ml
RT: 10.640 min Scan# 1522
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:202 Resp: 92095

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.9	25.3
203	18.1	14.3	21.5

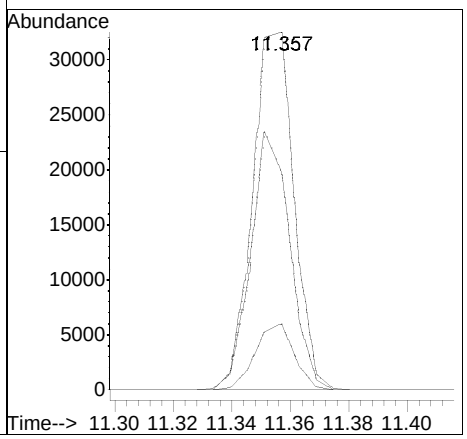


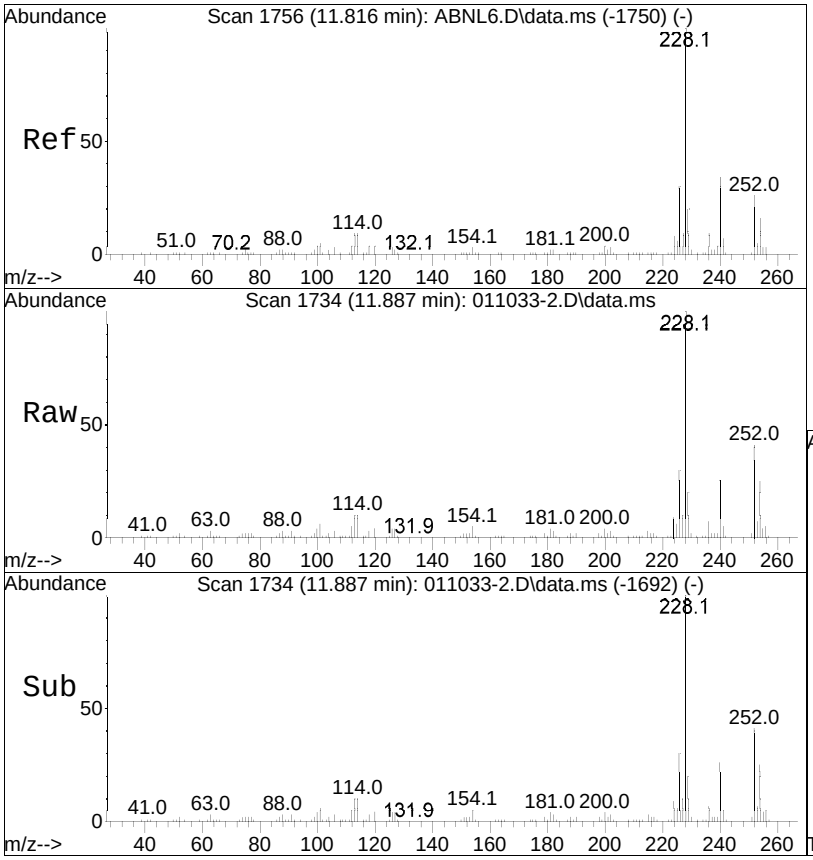


#97
Butyl benzyl phthalate
Concen: 1.96 ug/ml
RT: 11.357 min Scan# 1644
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:149 Resp: 31826

Ion	Ratio	Lower	Upper
149	100		
91	67.9	57.9	86.9
206	17.3	11.9	17.9

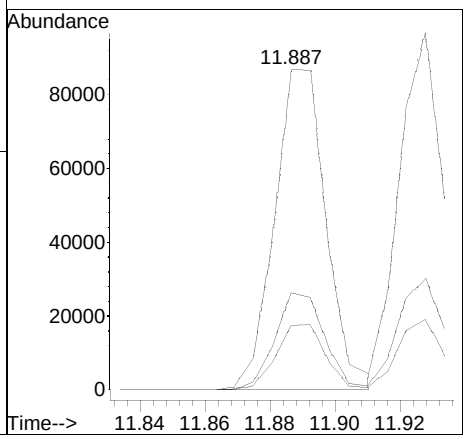


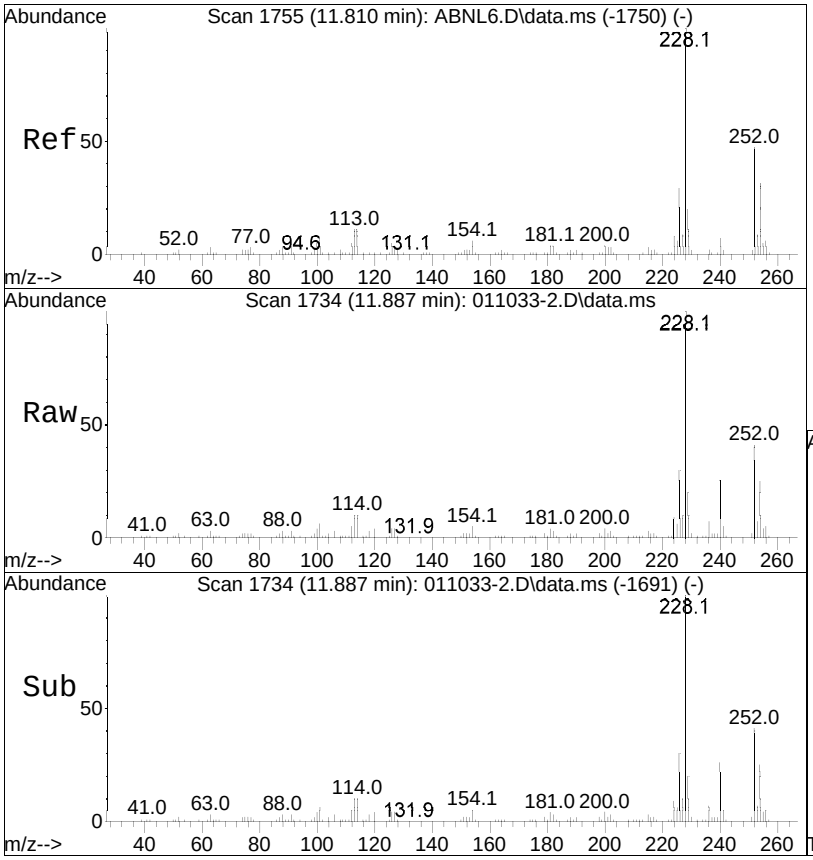


#105
Benzo(a)anthracene
Concen: 2.00 ug/ml
RT: 11.887 min Scan# 1734
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:228 Resp: 95579

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	19.7	15.8	23.6

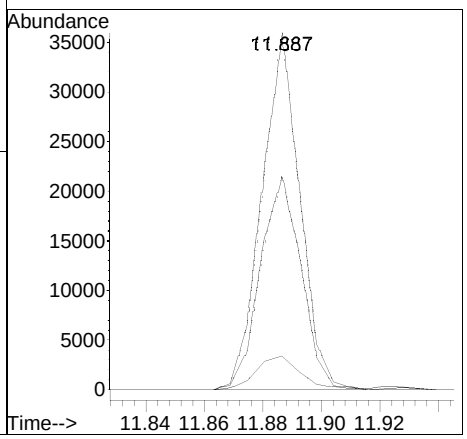


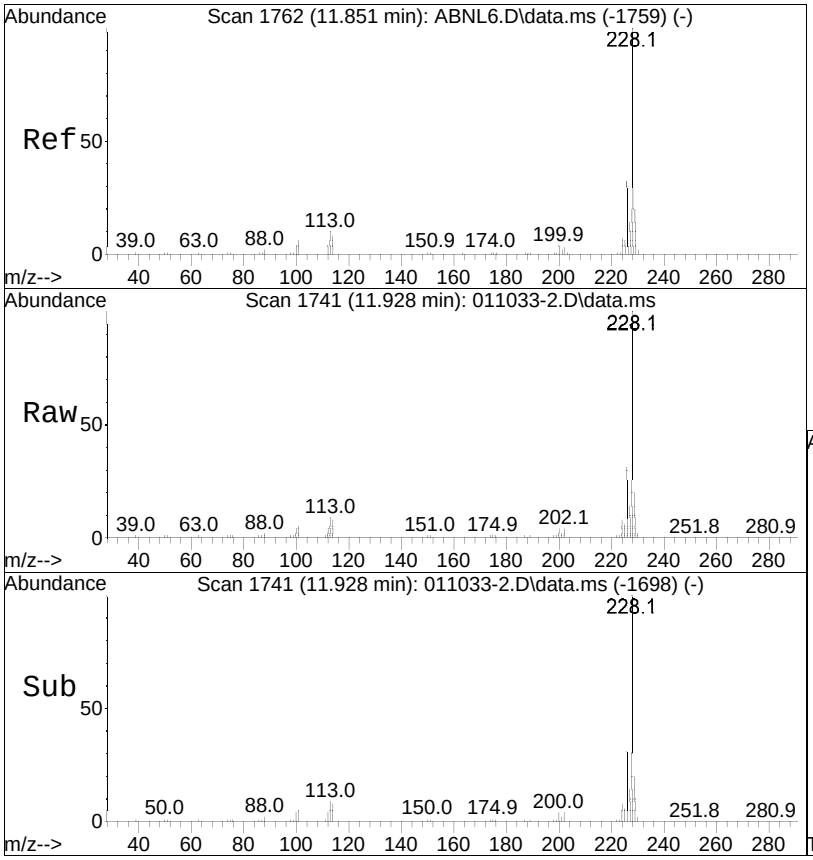


#106
3,3'-Dichlorobenzidine
Concen: 1.92 ug/ml
RT: 11.887 min Scan# 1734
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:252 Resp: 32168

Ion	Ratio	Lower	Upper
252	100		
126	11.1	12.6	19.0#
254	64.3	51.1	76.7

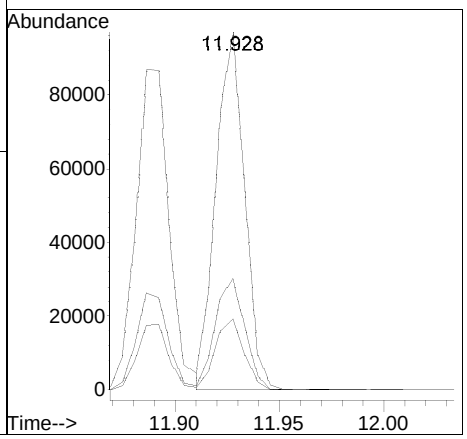


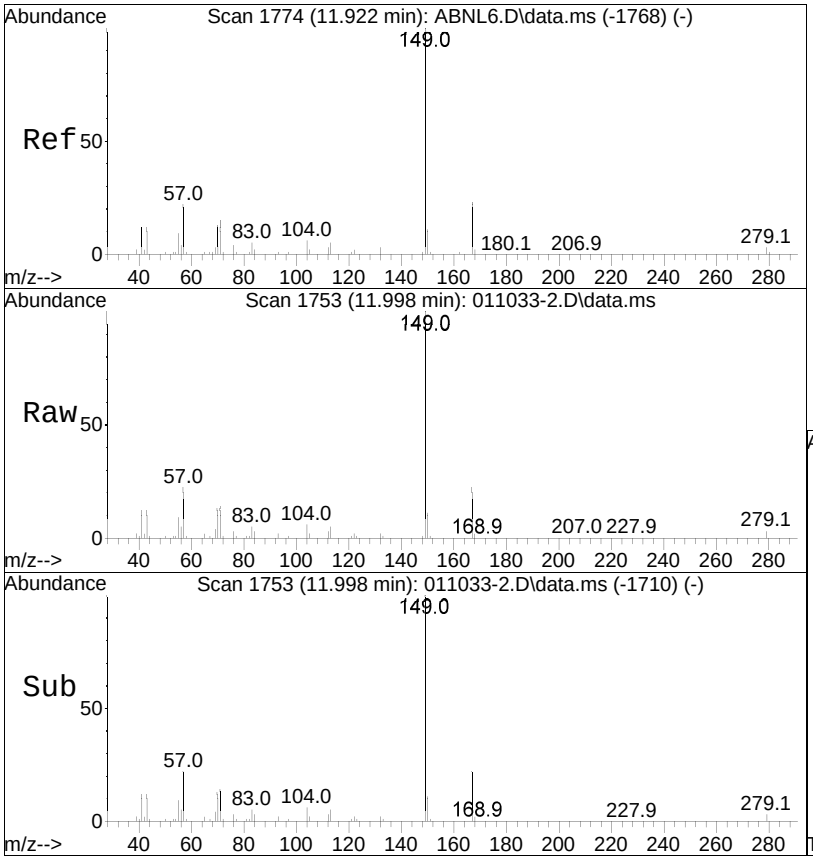


#107
Chrysene
Concen: 1.90 ug/ml
RT: 11.928 min Scan# 1741
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:228 Resp: 92798

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.7	37.1
229	19.8	15.5	23.3

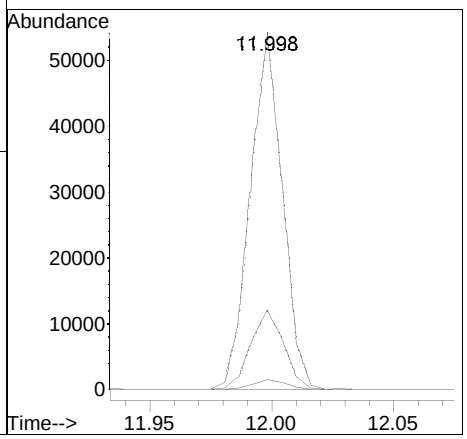


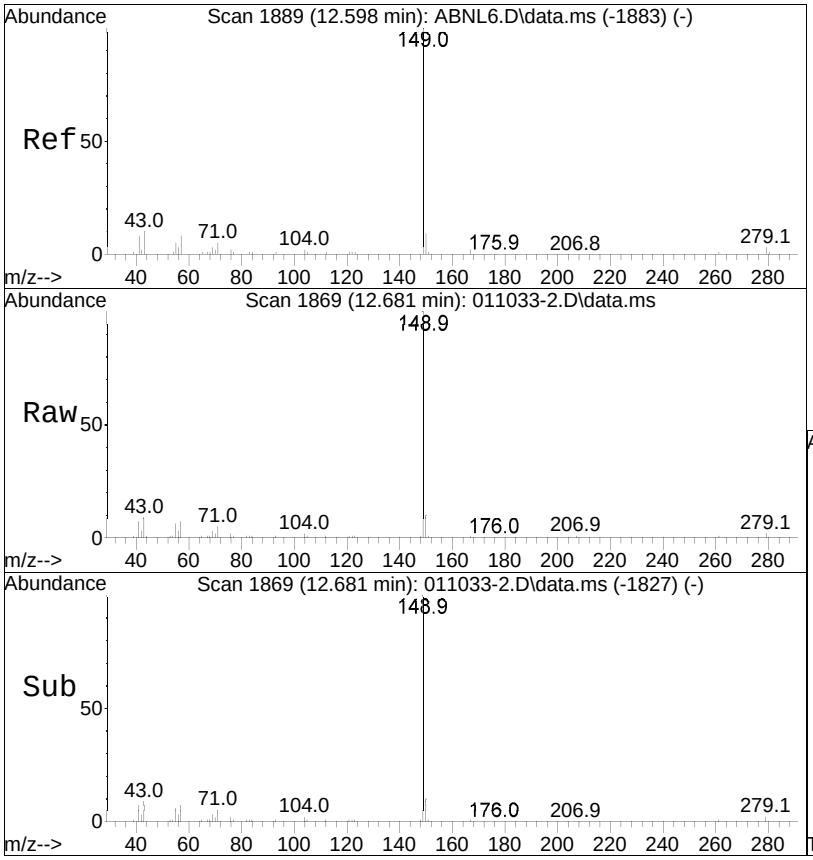


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.07 ug/ml
RT: 11.998 min Scan# 1753
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:149 Resp: 49121

Ion	Ratio	Lower	Upper
149	100		
167	22.9	18.4	27.6
279	2.7	1.7	2.5#

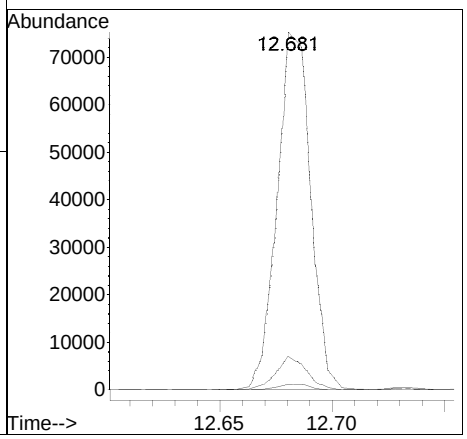


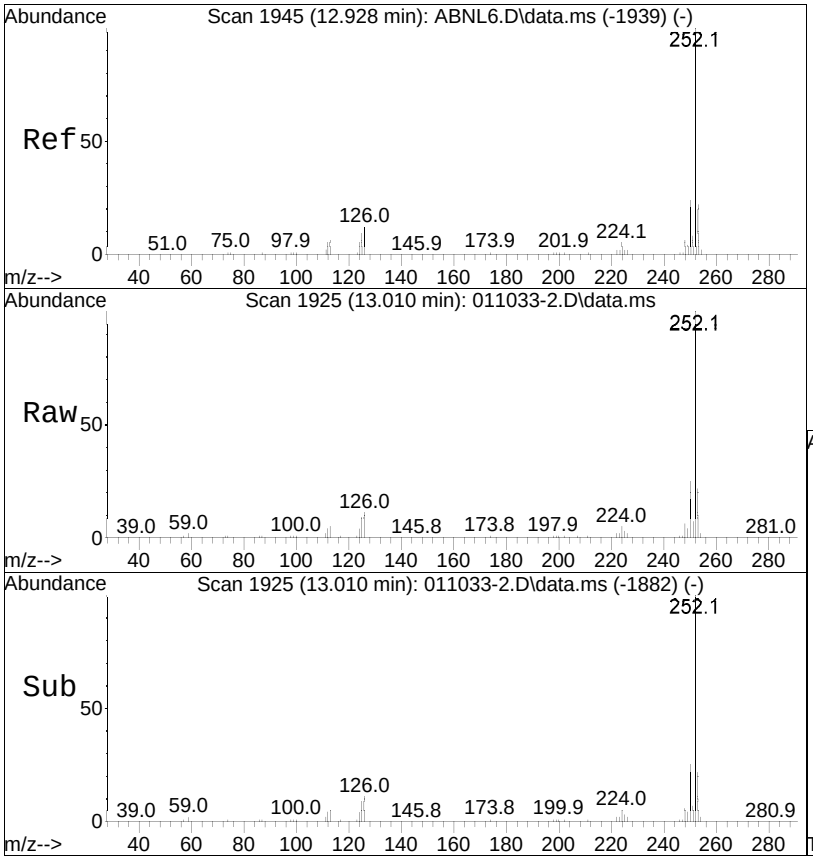


#109
Di-n-octylphthalate
Concen: 2.10 ug/ml
RT: 12.681 min Scan# 1869
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:149 Resp: 76938

Ion	Ratio	Lower	Upper
149	100		
43	8.9	8.2	12.2
167	1.5	1.1	1.7

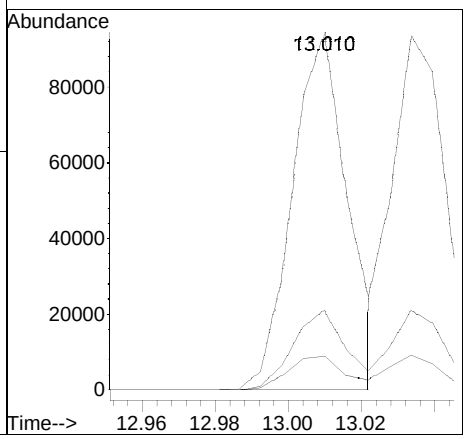


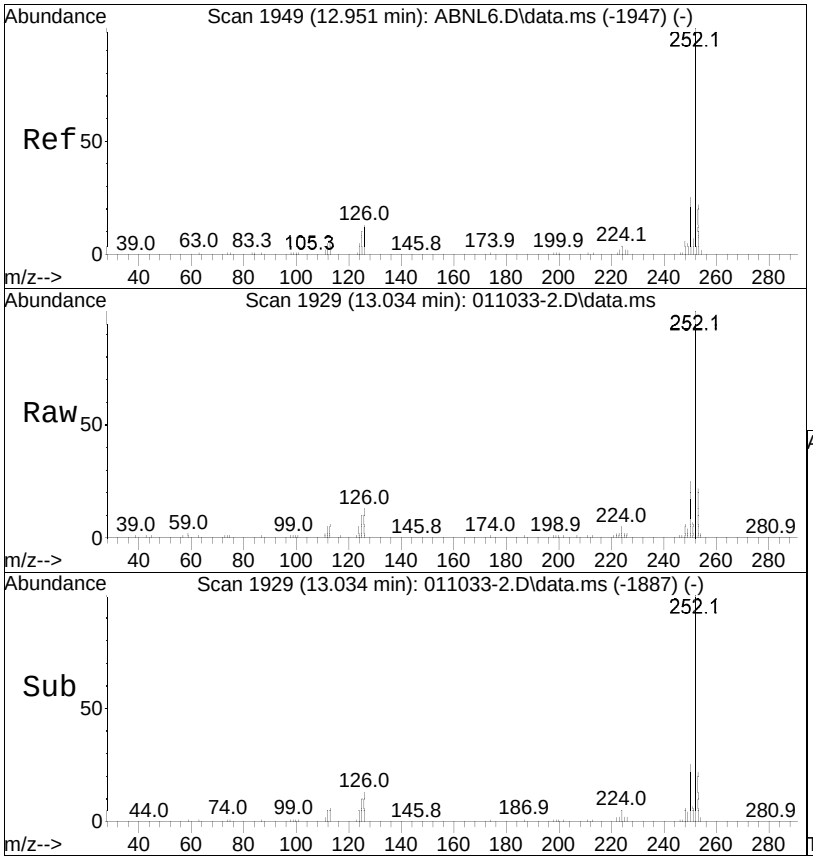


#110
Benzo(b)fluoranthene
Concen: 2.00 ug/ml
RT: 13.010 min Scan# 1925
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:252 Resp: 99607

Ion	Ratio	Lower	Upper
252	100		
125	9.9	11.3	16.9#
253	21.6	17.8	26.8

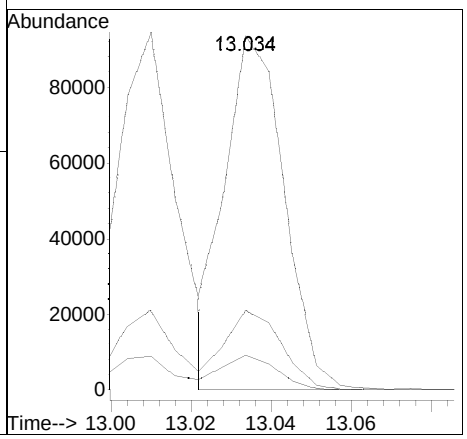


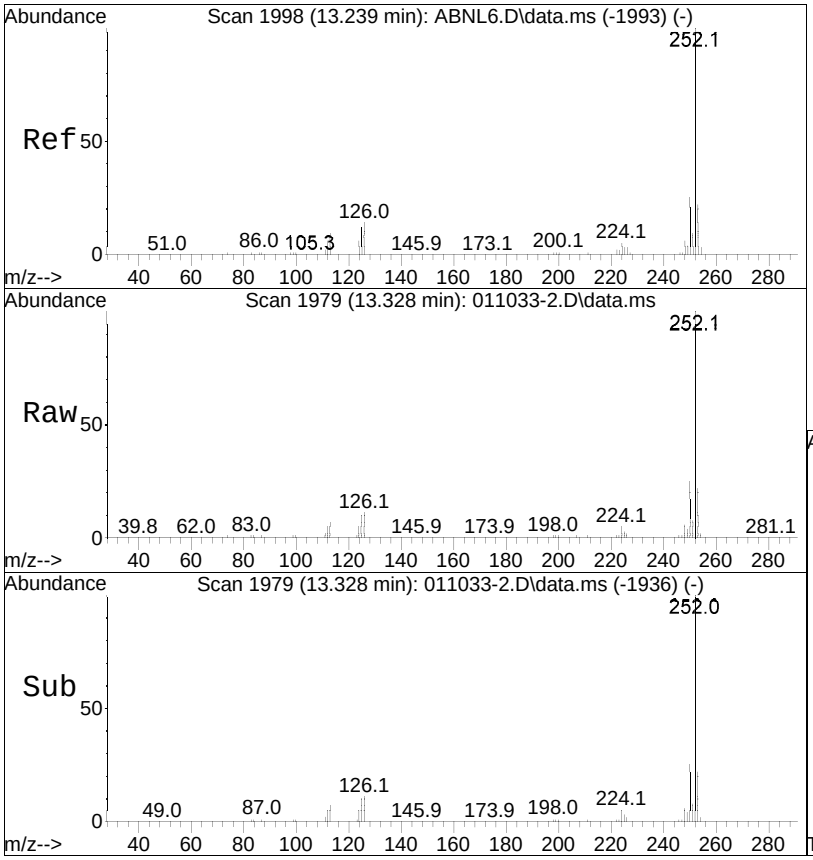


#111
Benzo(k)fluoranthene
Concen: 2.09 ug/ml M3
RT: 13.034 min Scan# 1929
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:252 Resp: 95410

Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	22.6	17.6	26.4

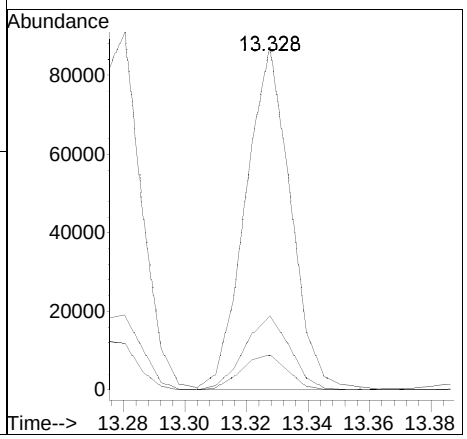


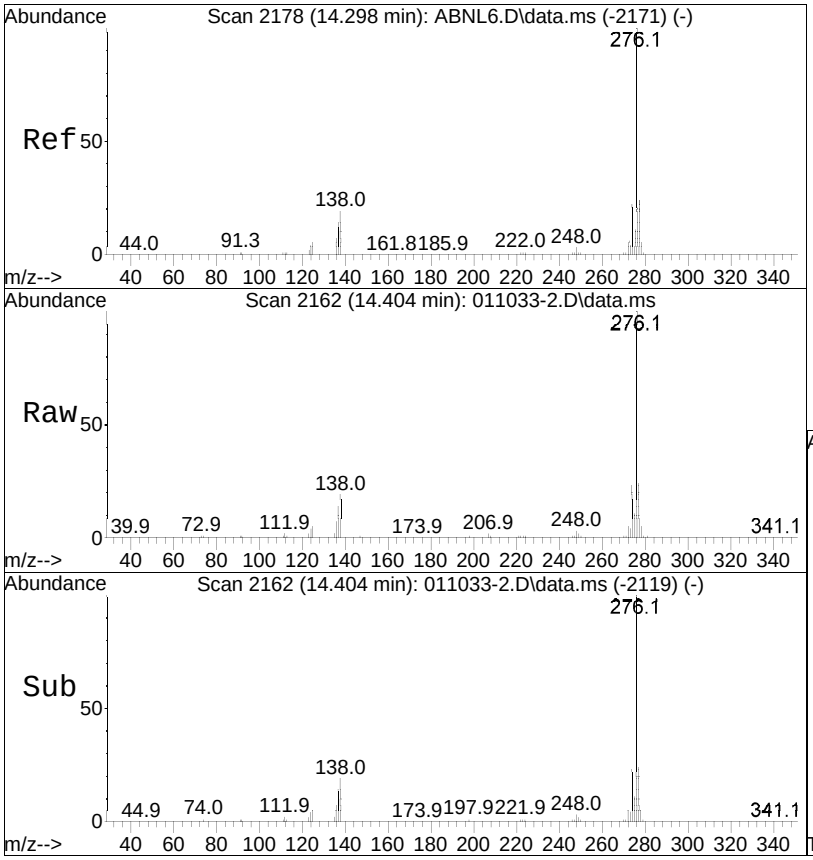


#112
Benzo(a)pyrene
Concen: 2.08 ug/ml M3
RT: 13.328 min Scan# 1979
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:252 Resp: 88868

Ion	Ratio	Lower	Upper
252	100		
125	14.9	12.6	18.8
253	23.6	17.5	26.3

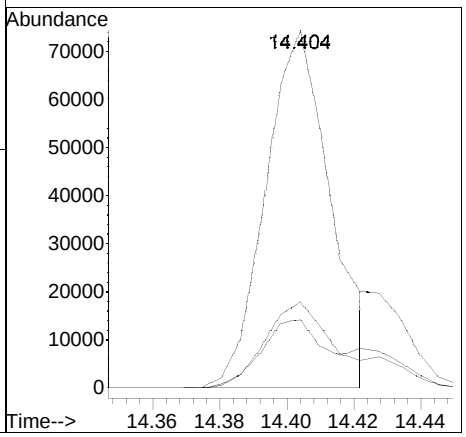


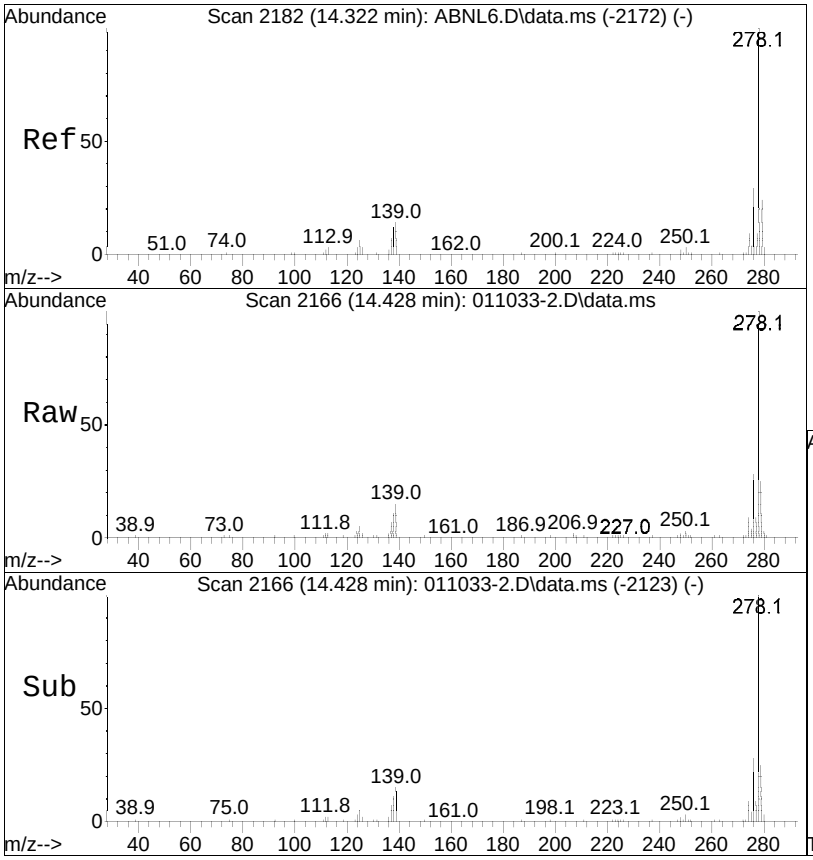


#114
Indeno(1,2,3-cd)pyrene
Concen: 2.00 ug/mL M6
RT: 14.404 min Scan# 2162
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:276 Resp: 100376

Ion	Ratio	Lower	Upper
276	100		
138	27.9	22.1	33.1
277	29.8	19.0	28.6#

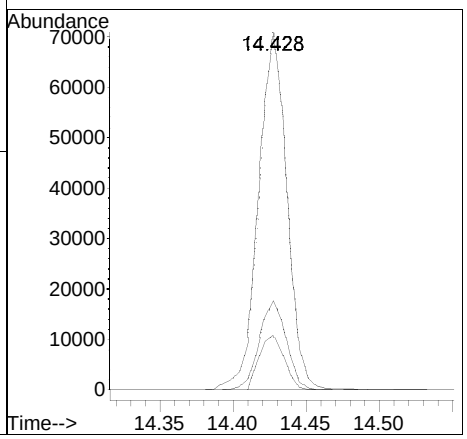


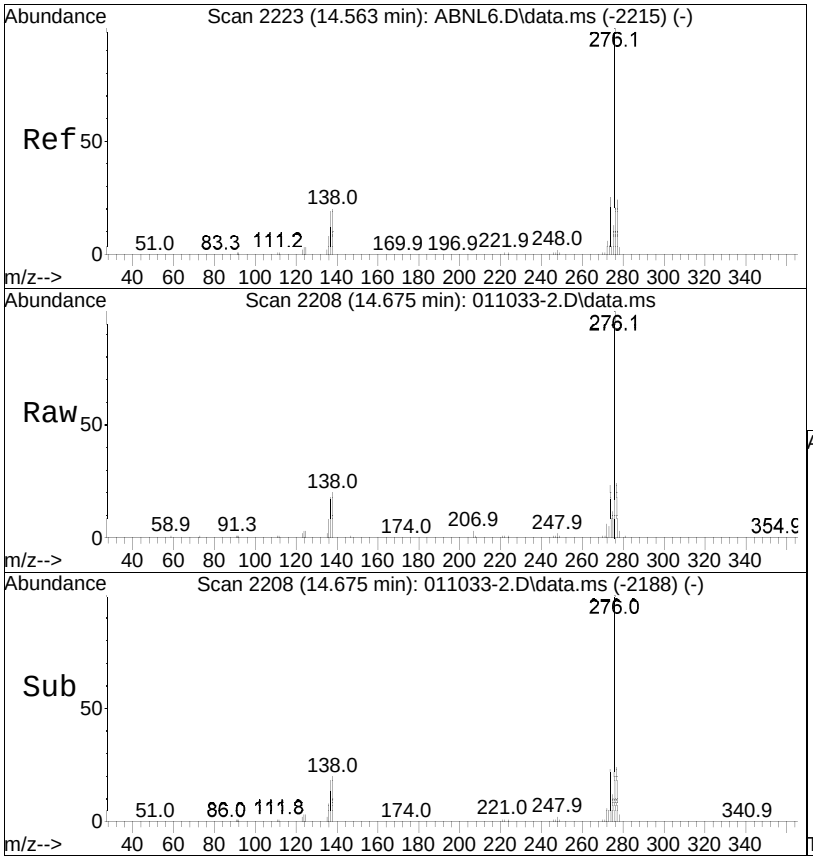


#115
Dibenzo(a,h)anthracene
Concen: 2.01 ug/ml
RT: 14.428 min Scan# 2166
Delta R.T. 0.000 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:278 Resp: 94893

Ion	Ratio	Lower	Upper
278	100		
139	13.6	17.8	26.8#
279	24.0	19.2	28.8

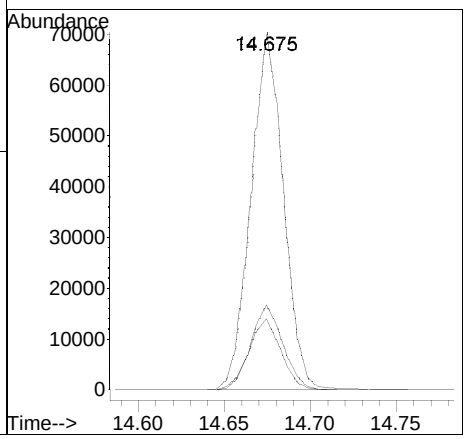




#116
Benzo(ghi)perylene
Concen: 1.94 ug/ml
RT: 14.675 min Scan# 2208
Delta R.T. -0.006 min
Lab File: 011033-2.D
Acq: 19 Dec 2024 03:25 pm

Tgt Ion:276 Resp: 91601

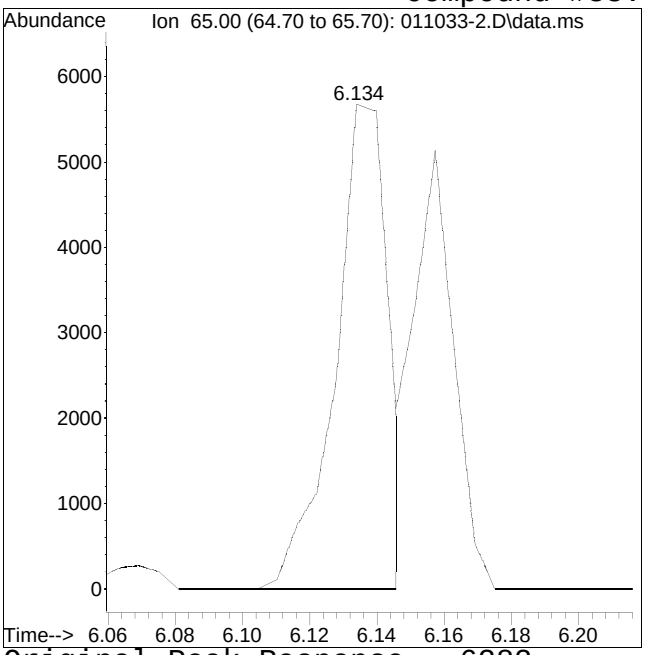
Ion	Ratio	Lower	Upper
276	100		
138	19.8	21.9	32.9#
277	23.5	18.4	27.6

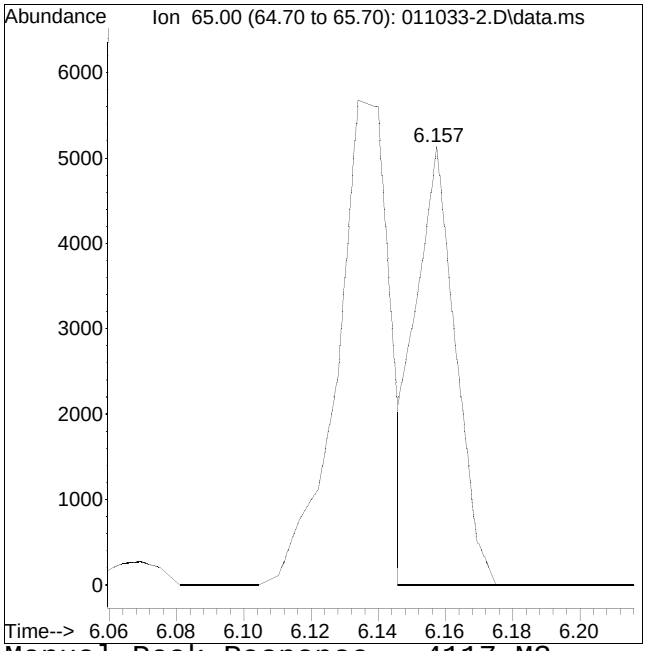


Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-2.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:25 pm Instrument : SV112
Sample : WG2011033-2,32,,gmr Quant Date : 12/19/2024 3:43 pm

Compound #38: 4-Chloroaniline





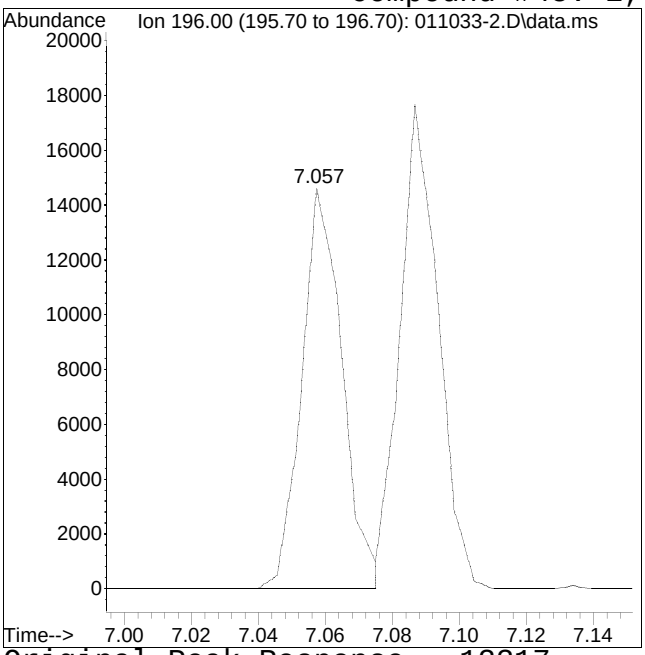
Original Peak Response = 6282 Manual Peak Response = 4117 M3

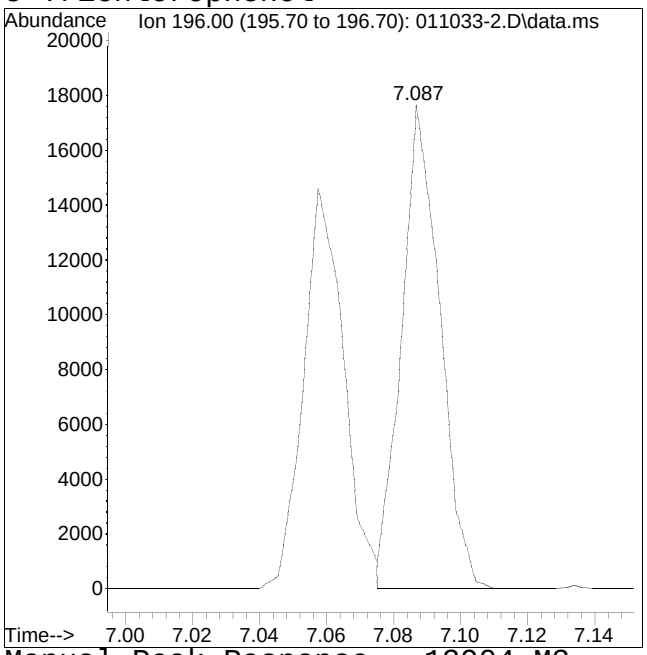
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-2.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:25 pm Instrument : SV112
Sample : WG2011033-2,32,,gmr Quant Date : 12/19/2024 3:43 pm

Compound #45: 2,4,5-Trichlorophenol





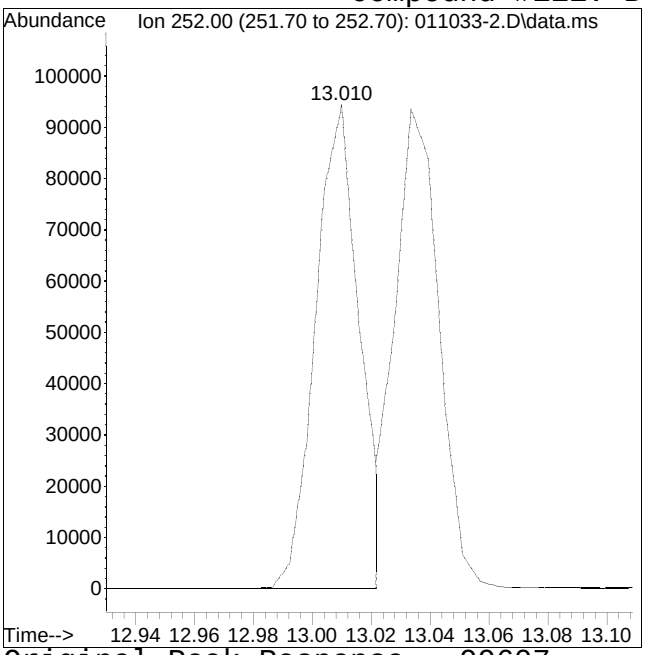
Original Peak Response = 12317 Manual Peak Response = 13904 M3

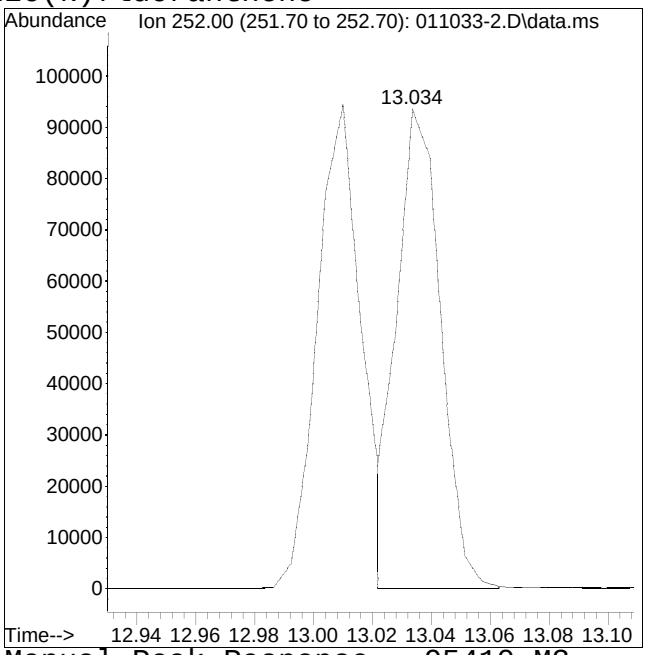
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-2.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:25 pm Instrument : SV112
Sample : WG2011033-2,32,,gmr Quant Date : 12/19/2024 3:43 pm

Compound #111: Benzo(k)fluoranthene



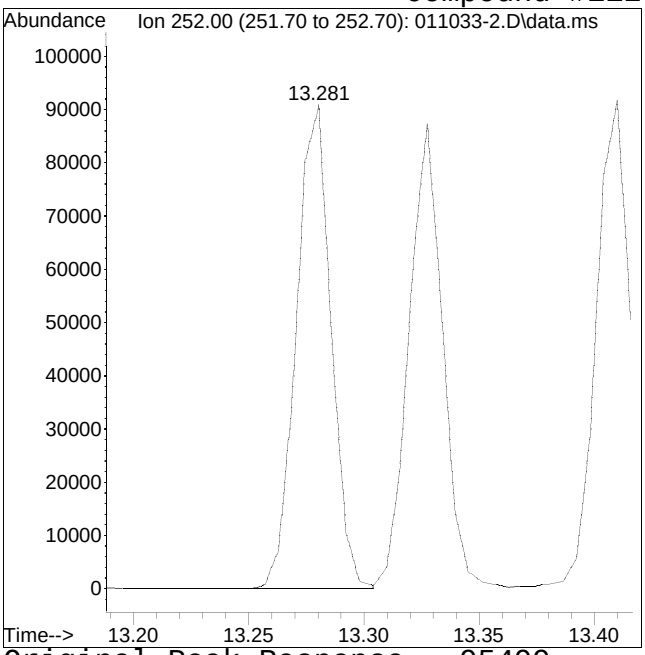


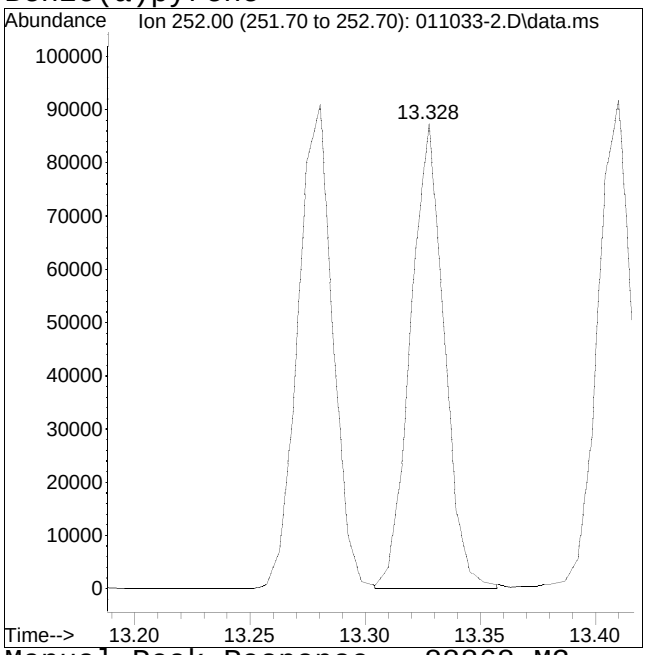
Original Peak Response = 99607 Manual Peak Response = 95410 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-2.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:25 pm Instrument : SV112
Sample : WG2011033-2,32,,gmr Quant Date : 12/19/2024 3:43 pm

Compound #112: Benzo(a)pyrene



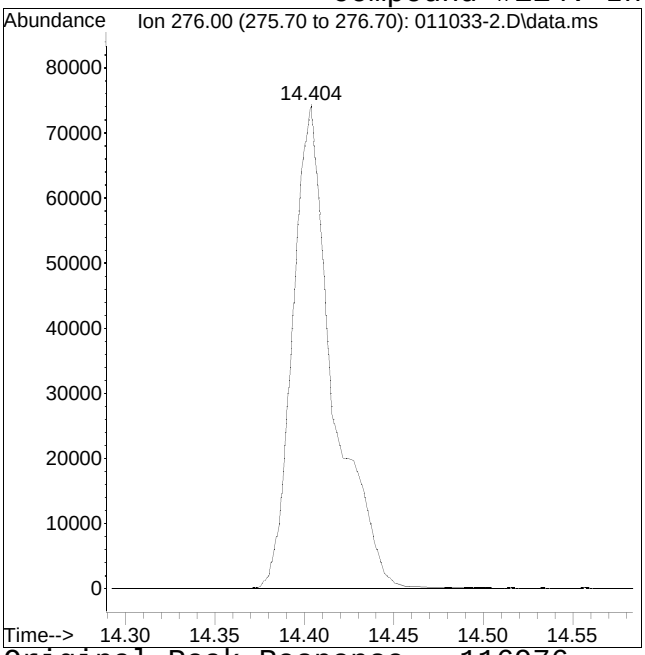


Original Peak Response = 95499 Manual Peak Response = 88868 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

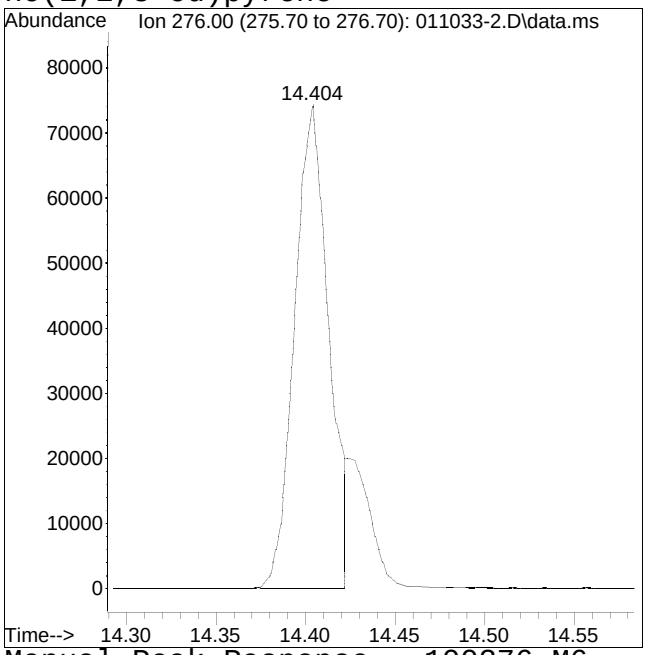
Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-2.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:25 pm Instrument : SV112
Sample : WG2011033-2,32,,gmr Quant Date : 12/19/2024 3:43 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 116976



Manual Peak Response = 100376 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-3.D
Acq On : 17 Dec 2024 11:16 pm
Operator : Dakota:smz
Sample : WG2010029-3,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 12:29:03 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.636	152	26254	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 98.50%				
27) IS2_1,4-Dichlorobenzen...	3.636	152	26254	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 101.87%				
32) IS3_1,4-Dichlorobenzen...	3.636	152	26254	4.000	ug/ml		0.00
Standard Area 2 = 25981			Recovery = 101.05%				
37) IS1_Naphthalene-d8	4.895	136	99967	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 94.09%				
57) IS2_Naphthalene-d8	4.895	136	99967	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 100.96%				
65) IS1_Acenaphthene-d10	6.577	164	67176	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 93.71%				
85) IS2_Acenaphthene-d10	6.577	164	67176	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 103.82%				
88) IS3_Acenaphthene-d10	6.577	164	67176	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 102.72%				
90) IS1_Phenanthrene-d10	7.966	188	144697	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 92.81%				
102) IS3_Phenanthrene-d10	7.966	188	144697	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 98.09%				
106) IS1_Chrysene-d12	10.471	240	161211	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 92.12%				
115) IS1_Perylene-d12	11.820	264	193442	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 94.28%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.225	112	7756	1.149	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 57.45%				
7) Phenol-d6	3.366	99	7281	0.842	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.10%				
19) Nitrobenzene-d5	4.211	82	6551	0.835	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.50%				
48) 2-Fluorobiphenyl	5.980	172	17549	0.709	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.90%				
81) 2,4,6-Tribromophenol	7.326	330	8466	1.763	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 88.15%				

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-3.D
Acq On : 17 Dec 2024 11:16 pm
Operator : Dakota:smz
Sample : WG2010029-3,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 12:29:03 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	9.536	244	32141	0.768	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 76.80%

Target Compounds						Qvalue
6) 2-Chlorophenol	3.425	128	12739	1.584	ug/ml#	89
8) Phenol	3.378	94	8109	0.870	ug/ml	96
9) Bis(2-chloroethyl)ether	3.425	93	11012	1.649	ug/ml#	74
10) 1,3-Dichlorobenzene	3.571	146	12224	1.181	ug/ml	95
11) 1,4-Dichlorobenzene	3.652	146	12606	1.193	ug/ml	96
12) 1,2-Dichlorobenzene	3.804	146	12764	1.267	ug/ml	95
13) Benzyl alcohol	3.832	79	9002	1.475	ug/ml	98
14) Bis(2-chloroisopropyl)...	3.985	45	20233	1.718	ug/ml#	67
15) 2-Methylphenol	3.994	108	10192	1.439	ug/ml	99
16) Hexachloroethane	4.131	117	4464	1.154	ug/ml#	61
17) n-Nitrosodi-n-propylamine	4.115	70	9535	1.684	ug/ml#	86
18) 3-Methylphenol/4-Methy...	4.162	108	11722	1.510	ug/ml#	47
20) Nitrobenzene	4.230	77	13301	1.658	ug/ml	91
21) Isophorone	4.485	82	24288	1.647	ug/ml#	92
22) 2-Nitrophenol	4.550	139	6301	1.551	ug/ml	92
23) 2,4-Dimethylphenol	4.671	107	8071	1.117	ug/ml	99
24) Bis(2-chloroethoxy)met...	4.752	93	16021	1.744	ug/ml#	93
25) 2,4-Dichlorophenol	4.799	162	13709	1.625	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.864	180	12041	1.180	ug/ml	97
29) Acetophenone	4.075	105	18666	2.026	ug/ml#	79
38) Naphthalene	4.914	128	36442	1.325	ug/ml	100
39) Benzoic Acid	4.743	105	664	0.117	ug/ml#	88
40) 4-Chloroaniline	5.016	65	4256	1.408	ug/ml	78
41) Hexachlorobutadiene	5.088	225	6968	1.079	ug/ml	95
42) p-Chloro-m-cresol	5.545	107	11832	1.633	ug/ml	91
43) 2-Methylnaphthalene	5.595	142	26124	1.373	ug/ml	97
45) Hexachlorocyclopentadiene	5.775	237	4401	0.647	ug/ml#	91
46) 2,4,6-Trichlorophenol	5.899	196	11715	1.636	ug/ml	96
47) 2,4,5-Trichlorophenol	5.927	196	13322	1.664	ug/ml	98
49) 2-Chloronaphthalene	6.048	162	30031	1.410	ug/ml	96
50) 2-Nitroaniline	6.182	138	9347	1.715	ug/ml#	81
53) Dimethyl phthalate	6.403	163	41159	1.662	ug/ml#	97
54) Acenaphthylene	6.434	152	46251	1.478	ug/ml	99

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-3.D
Acq On : 17 Dec 2024 11:16 pm
Operator : Dakota:smz
Sample : WG2010029-3,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 12:29:03 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 2,6-Dinitrotoluene	6.434	165	7931	1.716	ug/ml	89
63) 1,2,4,5-Tetrachloroben...	5.765	216	15431	1.495	ug/ml	97
64) Biphenyl	6.061	154	36385	1.730	ug/ml	96
66) 3-Nitroaniline	6.577	138	7967	1.536	ug/ml#	89
67) Acenaphthene	6.605	154	27438	1.405	ug/ml	86
68) 2,4-Dinitrophenol	6.679	184	3596	1.138	ug/ml#	83
69) Dibenzofuran	6.773	168	48406	1.437	ug/ml	91
70) 2,4-Dinitrotoluene	6.810	165	10351	1.592	ug/ml	88
71) 4-Nitrophenol	6.804	65	4757	1.230	ug/ml	93
74) Diethyl phthalate	7.086	149	41731	1.578	ug/ml	96
75) Fluorene	7.096	166	38782	1.503	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.139	204	18839	1.417	ug/ml	88
77) 4-Nitroaniline	7.149	138	8309	1.657	ug/ml	85
78) 4,6-Dinitro-o-cresol	7.189	198	5806	1.477	ug/ml#	64
79) NDPA/DPA	7.257	169	32792	1.461	ug/ml	91
82) 4-Bromophenyl phenyl e...	7.590	248	13609	1.554	ug/ml#	82
83) Hexachlorobenzene	7.621	284	17001	1.542	ug/ml#	79
84) Pentachlorophenol	7.823	266	9743	1.630	ug/ml	96
91) Phenanthrene	7.988	178	67848	1.586	ug/ml	98
92) Anthracene	8.037	178	66309	1.580	ug/ml	98
93) Carbazole	8.221	167	64118	1.665	ug/ml	100
94) Di-n-butylphthalate	8.656	149	75964	1.740	ug/ml#	98
95) Fluoranthene	9.110	202	83555	1.624	ug/ml#	93
97) Pyrene	9.309	202	90150	1.640	ug/ml	99
99) Butyl benzyl phthalate	10.064	149	34939	1.868	ug/ml#	84
107) Benzo(a)anthracene	10.465	228	88550	1.621	ug/ml	99
108) 3,3'-Dichlorobenzidine	10.496	252	38043	1.869	ug/ml#	96
109) Chrysene	10.496	228	84478	1.554	ug/ml	97
110) Bis(2-ethylhexyl)phtha...	10.673	149	53628	1.832	ug/ml#	87
111) Di-n-octylphthalate	11.304	149	86252	1.766	ug/ml#	74
112) Benzo(b)fluoranthene	11.478	252	91693	1.602	ug/ml#	96
113) Benzo(k)fluoranthene	11.503	252	93637M3	1.680	ug/ml	
114) Benzo(a)pyrene	11.764	252	86513M3	1.694	ug/ml	
116) Indeno(1,2,3-cd)pyrene	12.725	276	93845	1.572	ug/mL#	91
117) Dibenzo(a,h)anthracene	12.759	278	89774	1.531	ug/ml#	90
118) Benzo(ghi)perylene	12.927	276	89819	1.558	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-3.D
Acq On : 17 Dec 2024 11:16 pm
Operator : Dakota:smz
Sample : WG2010029-3,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 12:29:03 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-3.D
Acq On : 17 Dec 2024 11:16 pm
Operator : Dakota:smz
Sample : WG2010029-3,32,,ASK
Misc : WG2009957,WG2010029,ical21680
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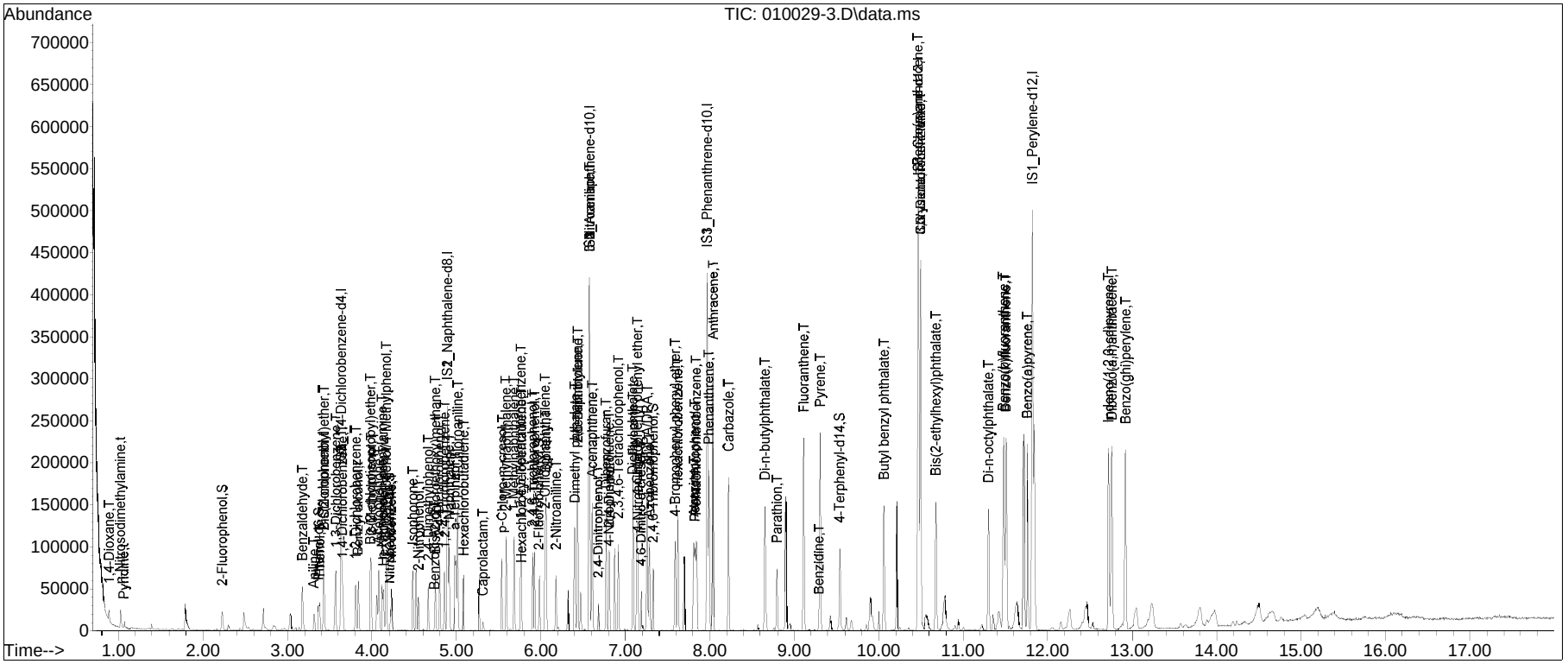
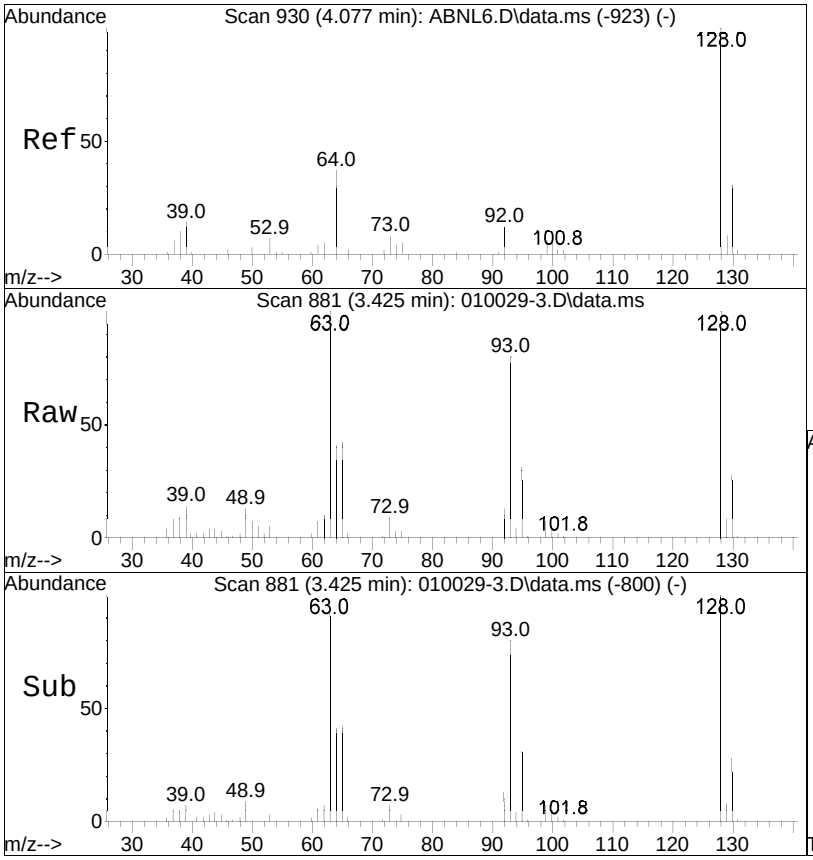
Quant Time: Dec 18 12:29:03 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA7RVT\AP91217.D•

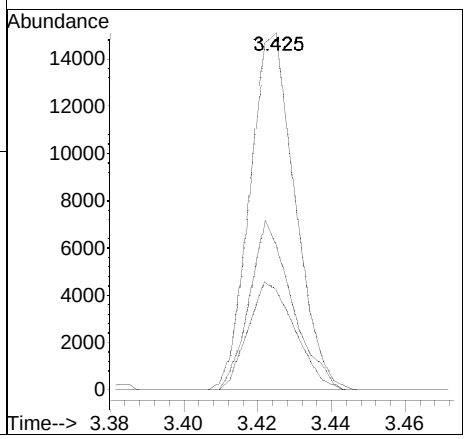


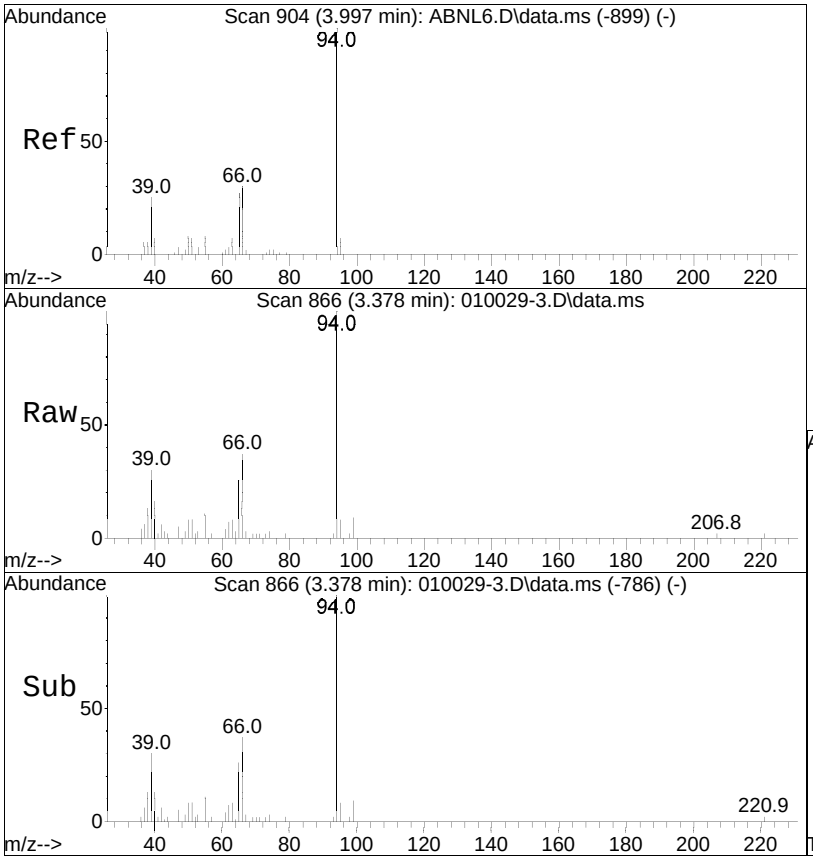


#6
2-Chlorophenol
Concen: 1.58 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:128 Resp: 12739

Ion	Ratio	Lower	Upper
128	100		
64	44.8	45.1	67.7#
130	31.4	26.2	39.4

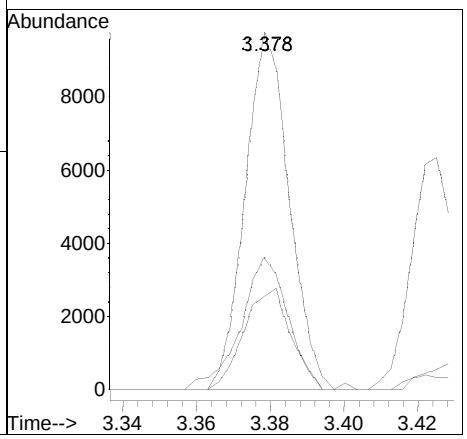


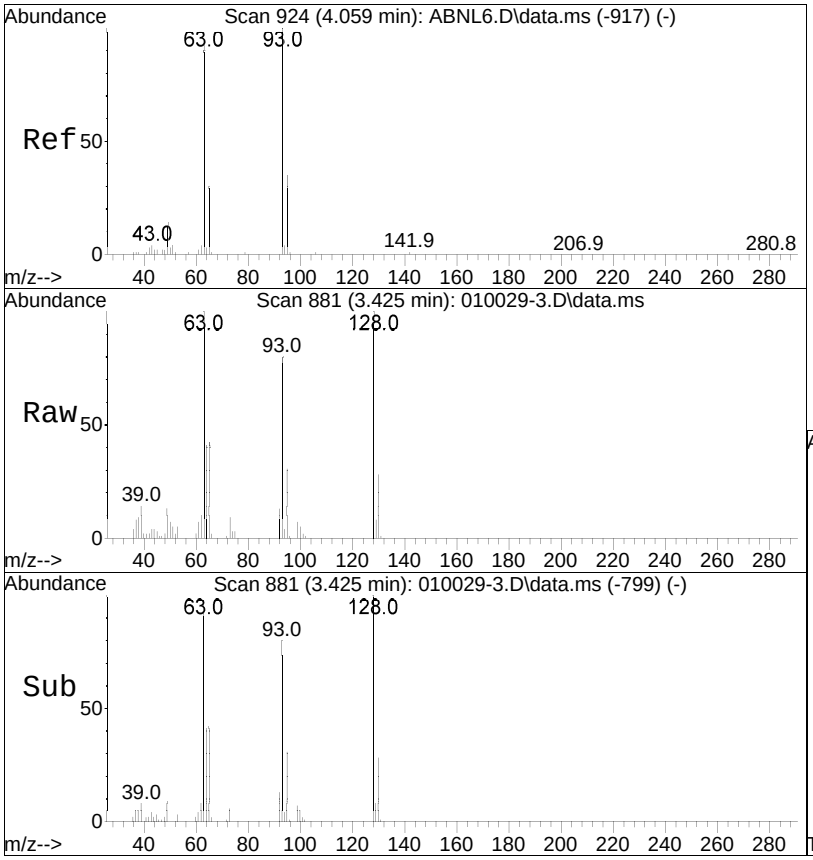


#8
Phenol
Concen: 0.87 ug/ml
RT: 3.378 min Scan# 866
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 94 Resp: 8109

Ion	Ratio	Lower	Upper
94	100		
65	30.1	26.0	39.0
66	39.7	33.8	50.8

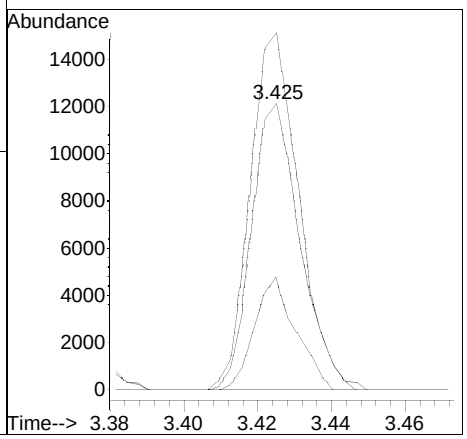


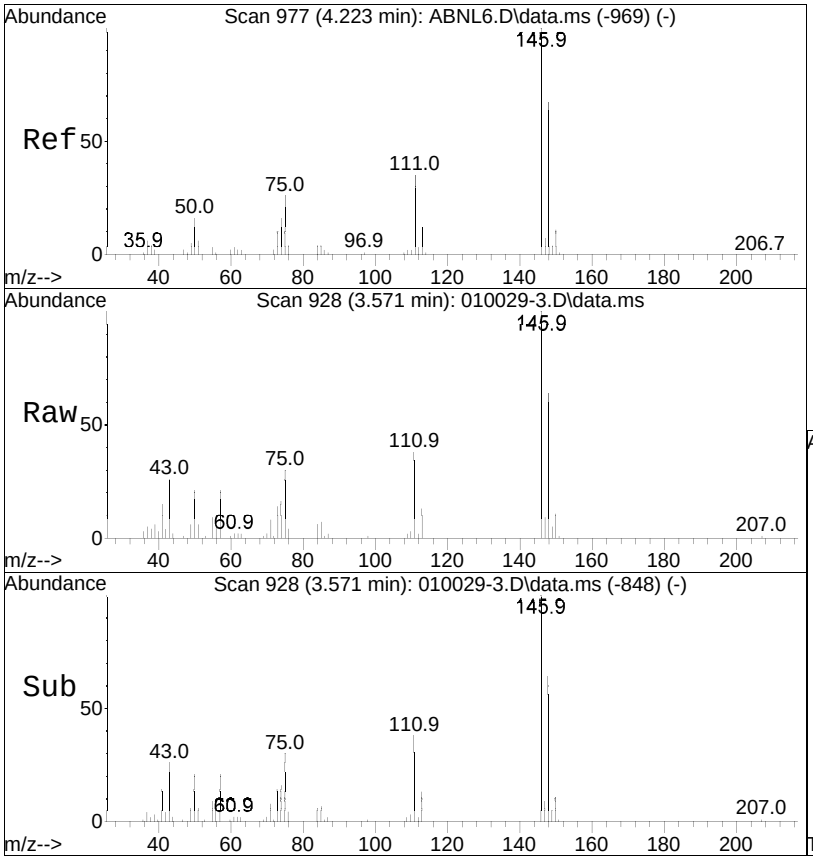


#9
Bis(2-chloroethyl)ether
Concen: 1.65 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 93 Resp: 11012

Ion	Ratio	Lower	Upper
93	100		
63	125.6	74.6	111.8#
95	33.6	25.9	38.9

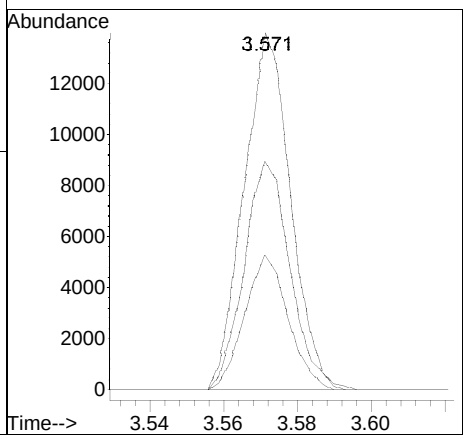


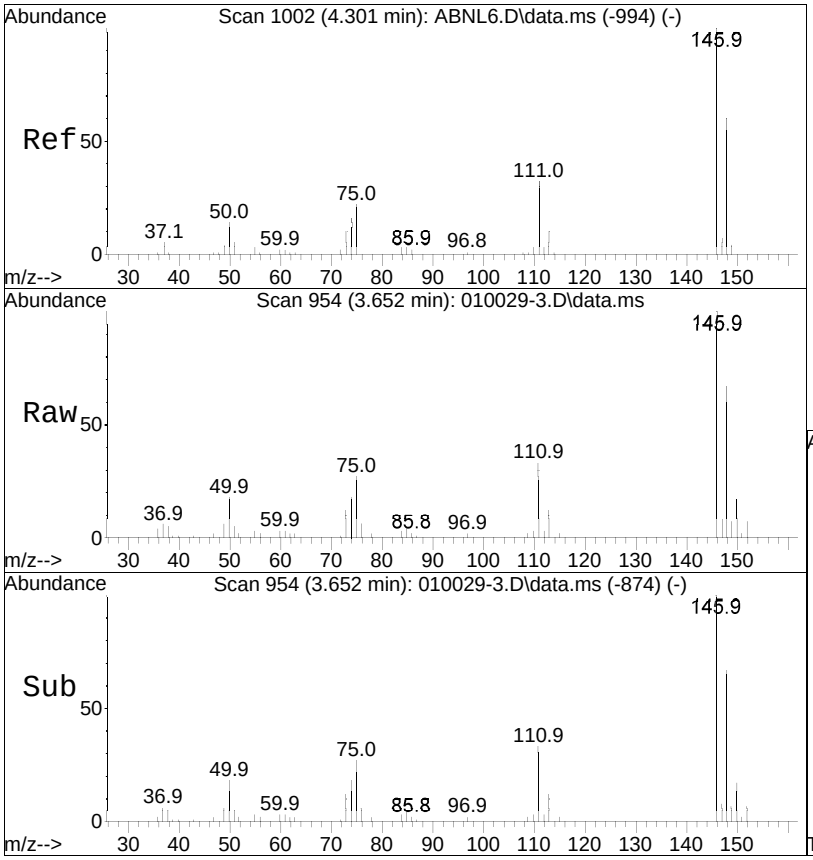


#10
1,3-Dichlorobenzene
Concen: 1.18 ug/ml
RT: 3.571 min Scan# 928
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:146 Resp: 12224

Ion	Ratio	Lower	Upper
146	100		
111	35.3	34.3	51.5
148	62.8	50.8	76.2

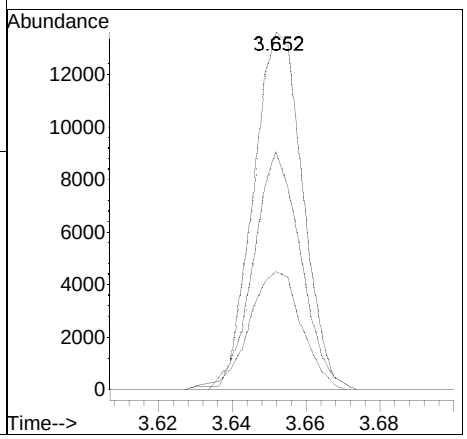


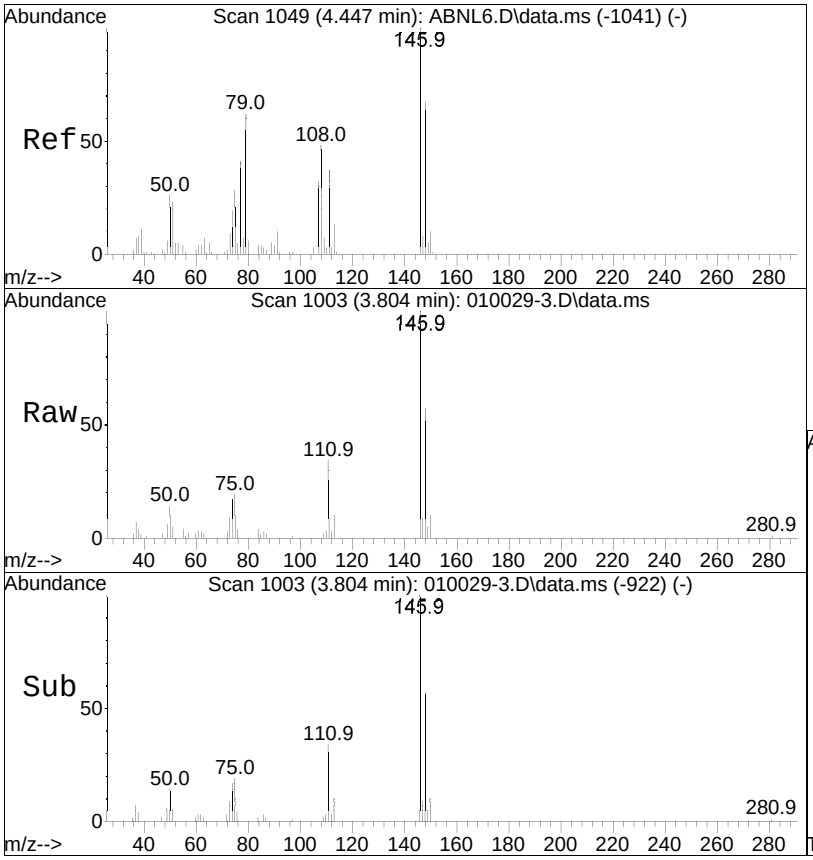


#11
1,4-Dichlorobenzene
Concen: 1.19 ug/ml
RT: 3.652 min Scan# 954
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:146 Resp: 12606

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.7	76.1
111	35.6	33.4	50.0

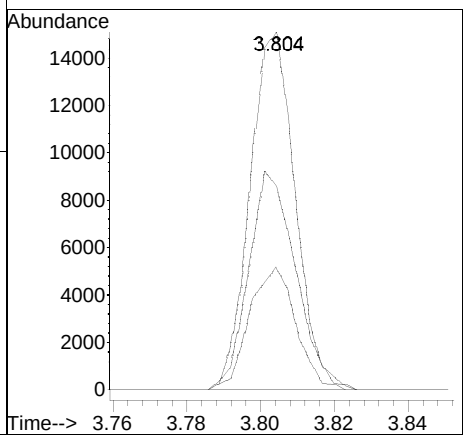


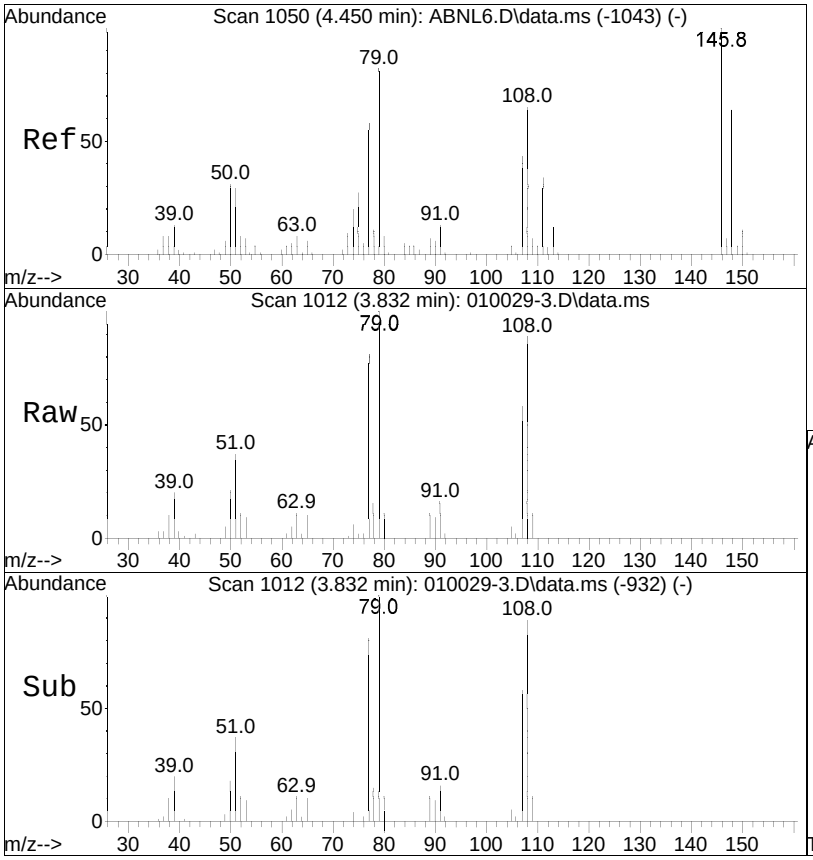


#12
1,2-Dichlorobenzene
Concen: 1.27 ug/ml
RT: 3.804 min Scan# 1003
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:146 Resp: 12764

Ion	Ratio	Lower	Upper
146	100		
111	35.3	34.6	52.0
148	63.2	50.2	75.4

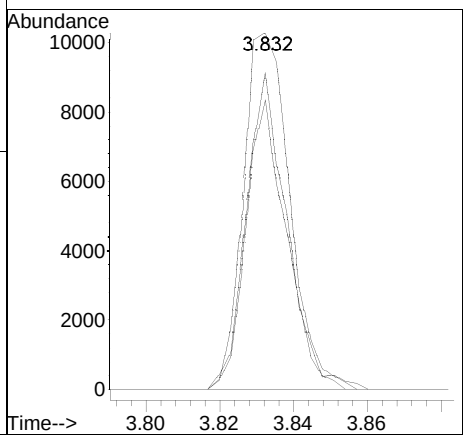


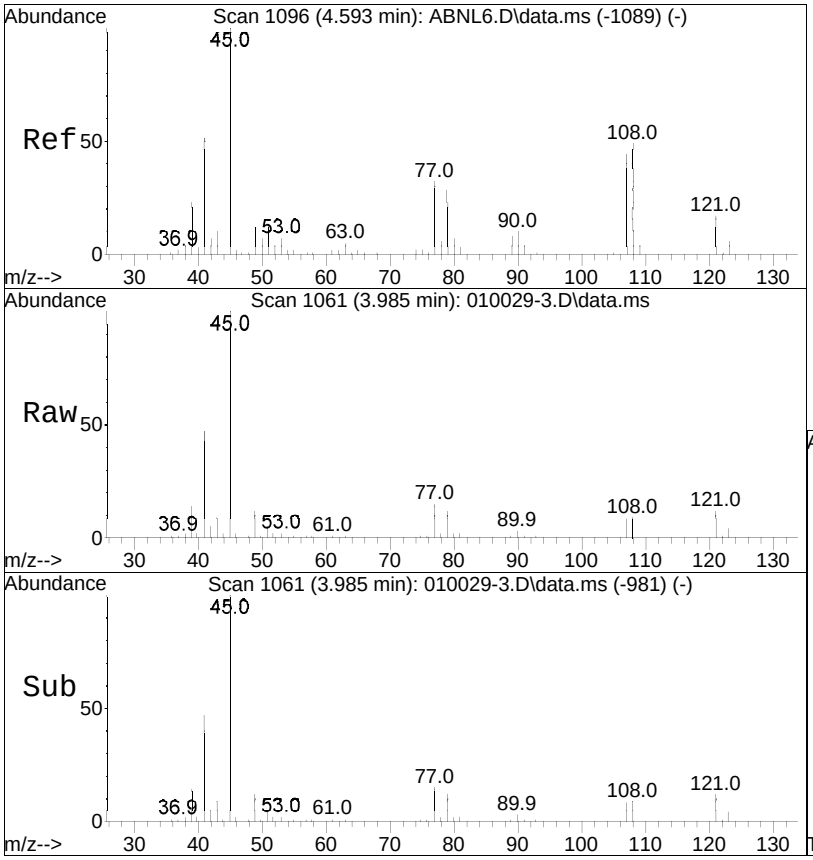


#13
Benzyl alcohol
Concen: 1.47 ug/ml
RT: 3.832 min Scan# 1012
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 79 Resp: 9002

Ion	Ratio	Lower	Upper
79	100		
77	70.9	54.9	82.3
108	78.2	63.1	94.7

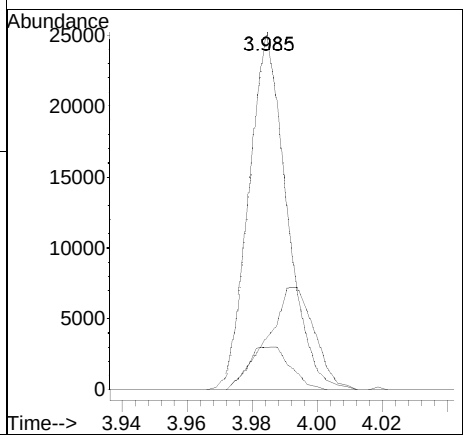


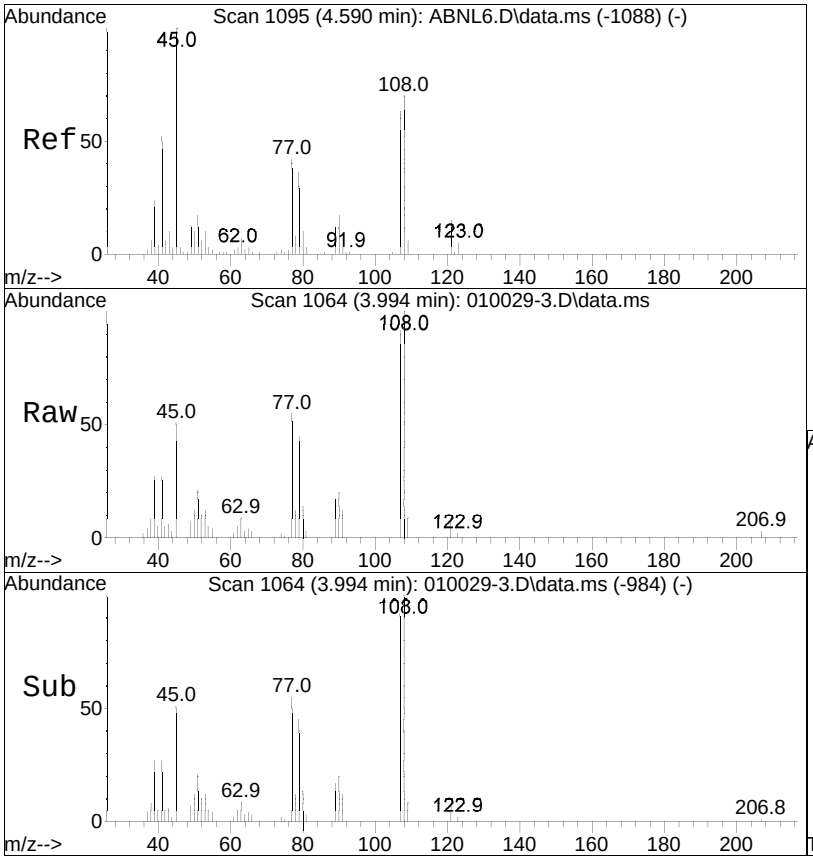


#14
Bis(2-chloroisopropyl)ether
Concen: 1.72 ug/ml
RT: 3.985 min Scan# 1061
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 45 Resp: 20233

Ion	Ratio	Lower	Upper
45	100		
121	13.6	9.8	14.6
77	35.6	6.1	9.1#

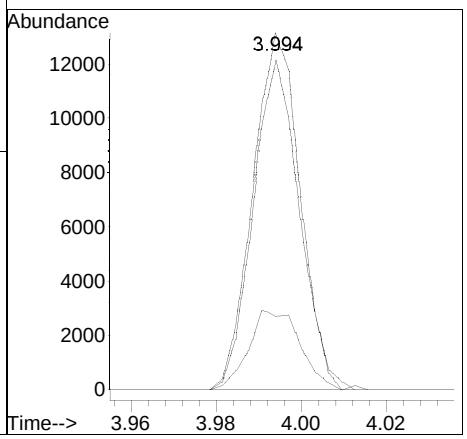


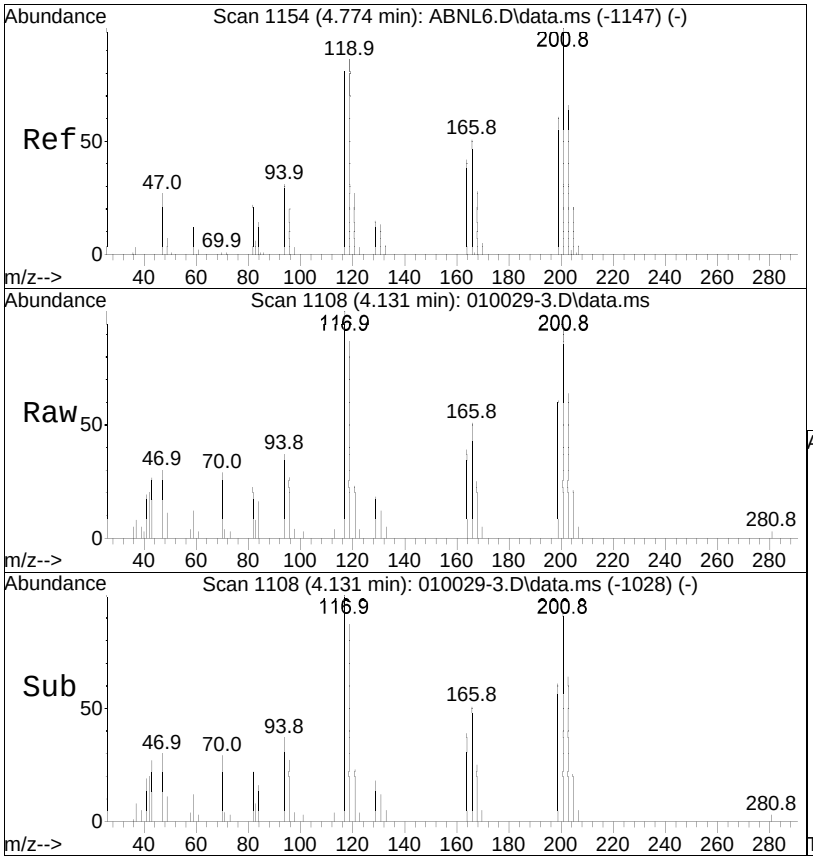


#15
2-Methylphenol
Concen: 1.44 ug/ml
RT: 3.994 min Scan# 1064
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:108 Resp: 10192

Ion	Ratio	Lower	Upper
108	100		
107	89.5	70.7	106.1
90	24.0	18.7	28.1

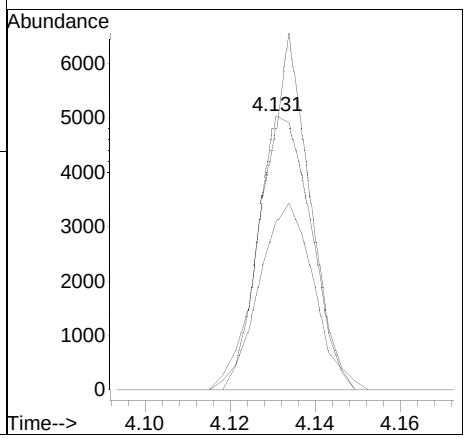


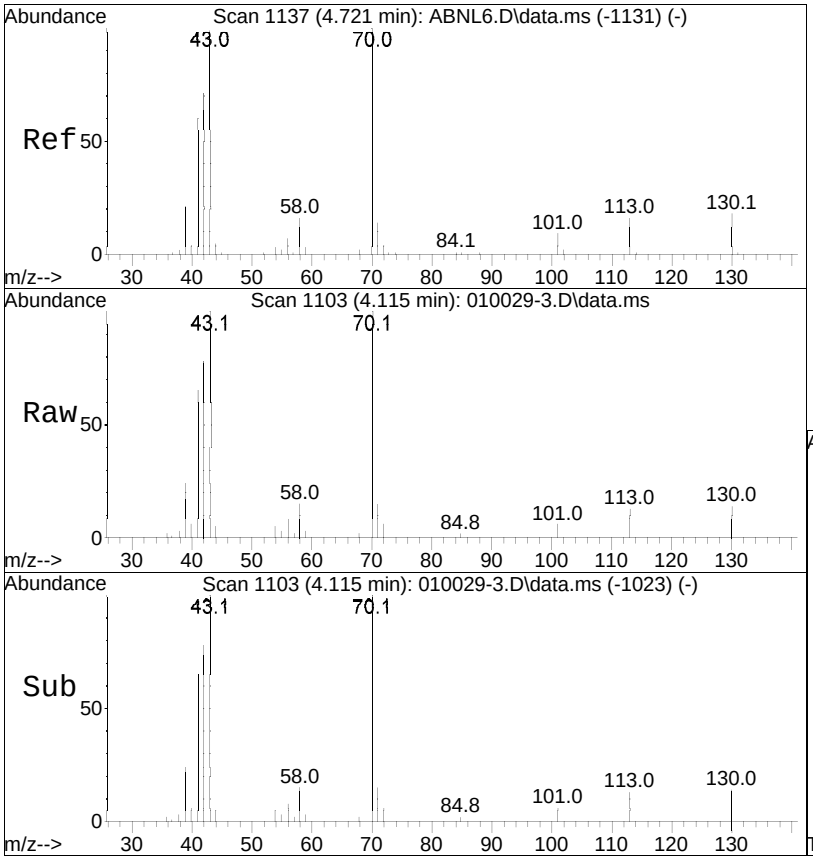


#16
Hexachloroethane
Concen: 1.15 ug/ml
RT: 4.131 min Scan# 1108
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:117 Resp: 4464

Ion	Ratio	Lower	Upper
117	100		
201	109.1	58.6	87.8#
199	67.3	36.9	55.3#

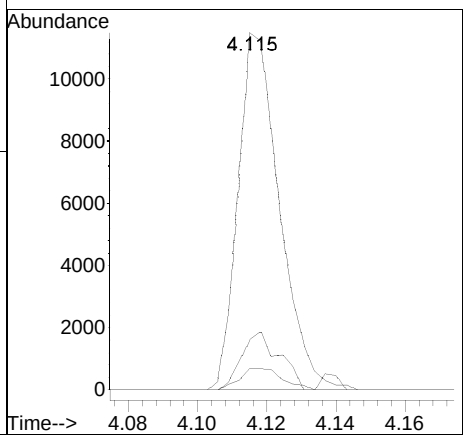


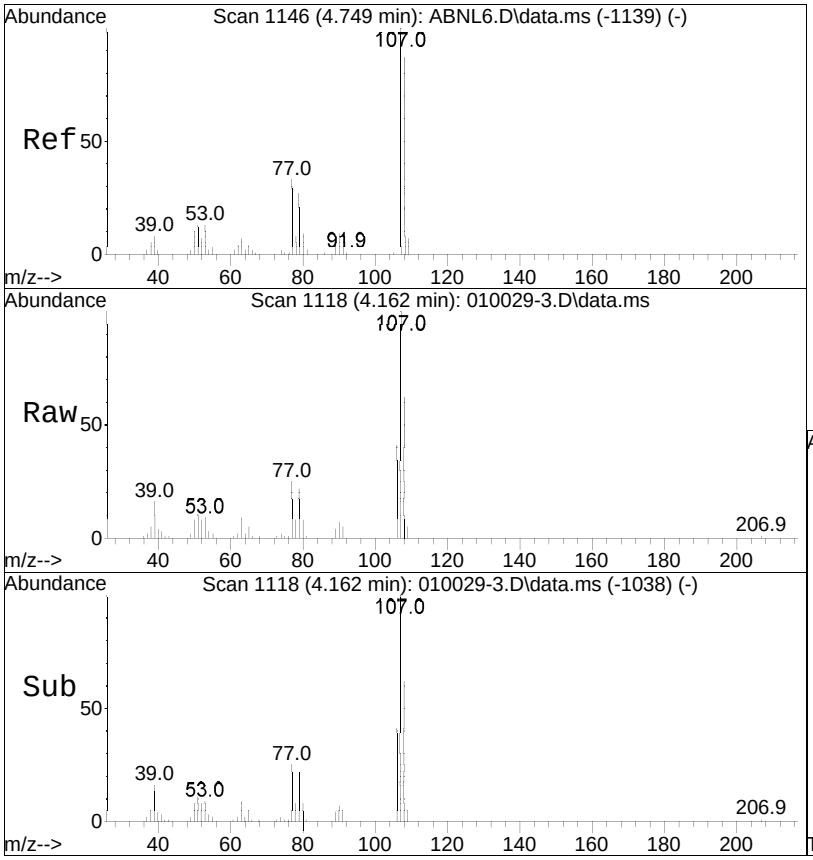


#17
n-Nitrosodi-n-propylamine
Concen: 1.68 ug/ml
RT: 4.115 min Scan# 1103
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 70 Resp: 9535

Ion	Ratio	Lower	Upper
70	100		
130	14.9	18.2	27.4#
101	6.3	7.8	11.8#

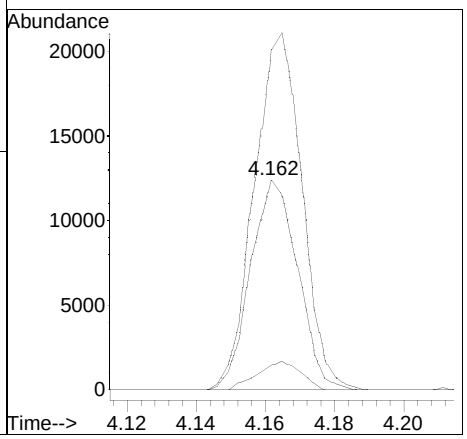


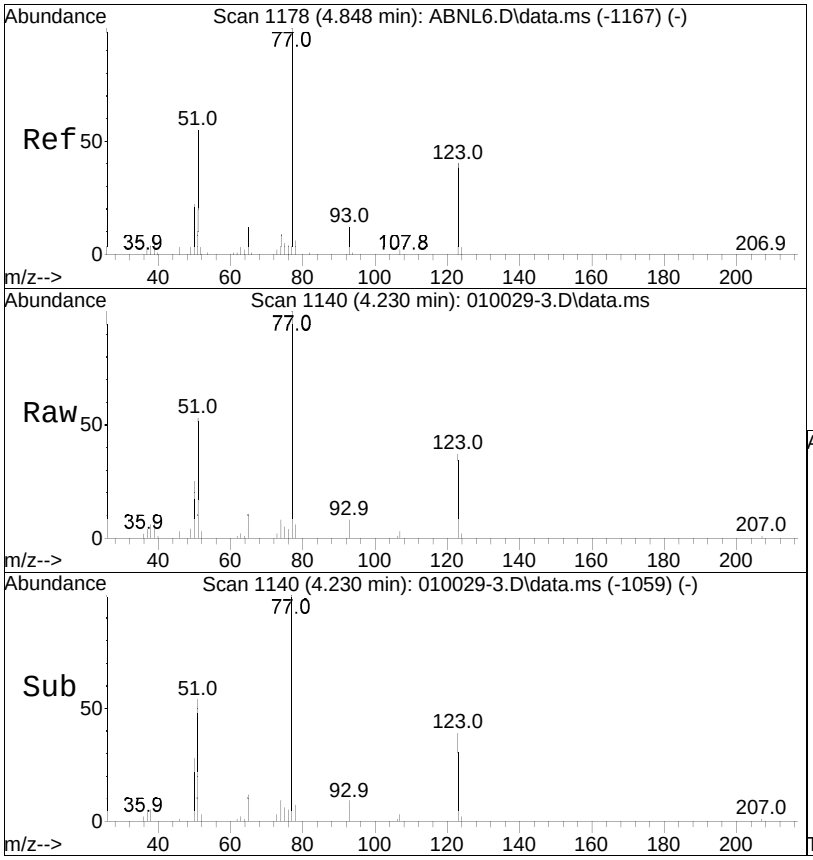


#18
3-Methylphenol/4-Methylphenol
Concen: 1.51 ug/ml
RT: 4.162 min Scan# 1118
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:108 Resp: 11722

Ion	Ratio	Lower	Upper
108	100		
107	171.9	88.6	132.8#
90	12.6	8.8	13.2

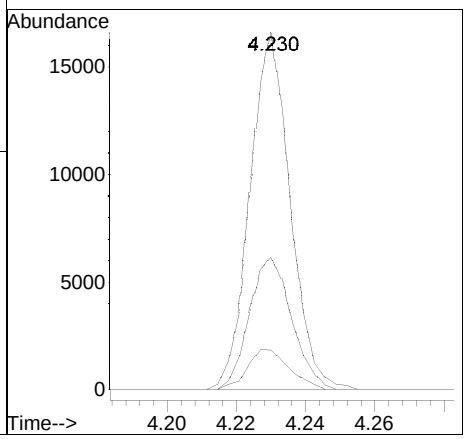


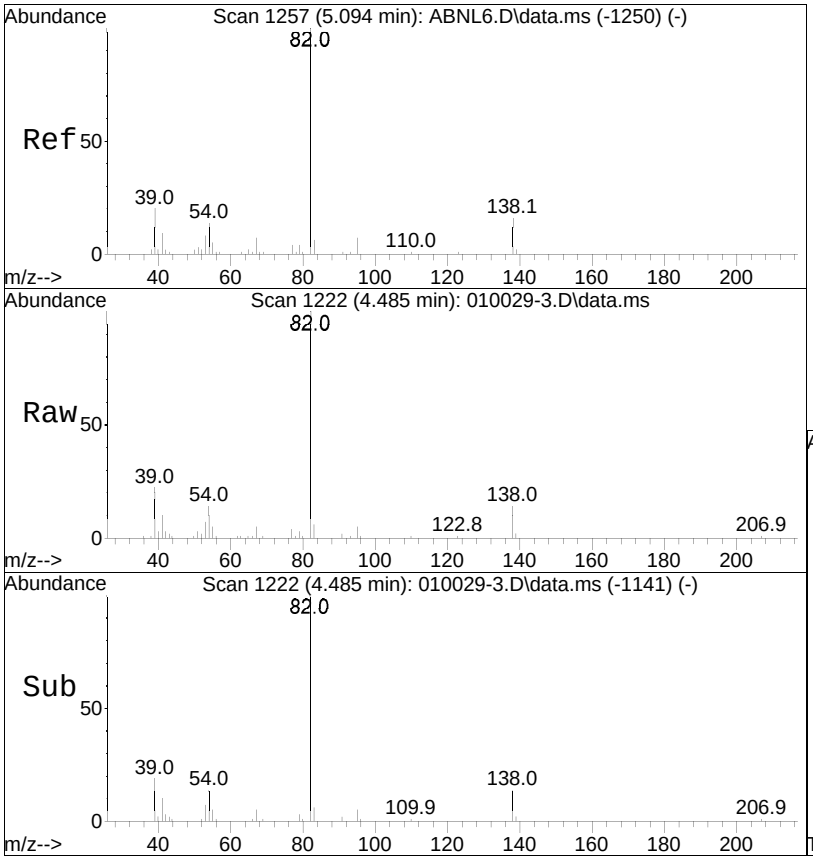


#20
Nitrobenzene
Concen: 1.66 ug/ml
RT: 4.230 min Scan# 1140
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 77 Resp: 13301

Ion	Ratio	Lower	Upper
77	100		
123	39.2	36.3	54.5
65	11.9	11.6	17.4

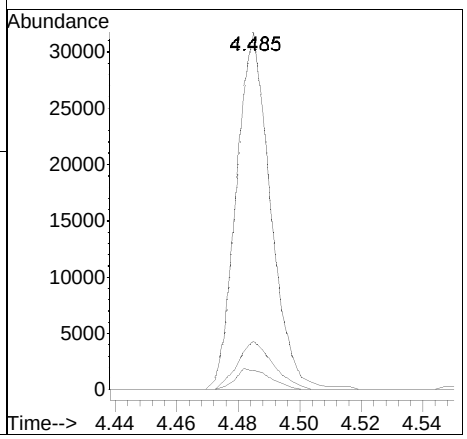


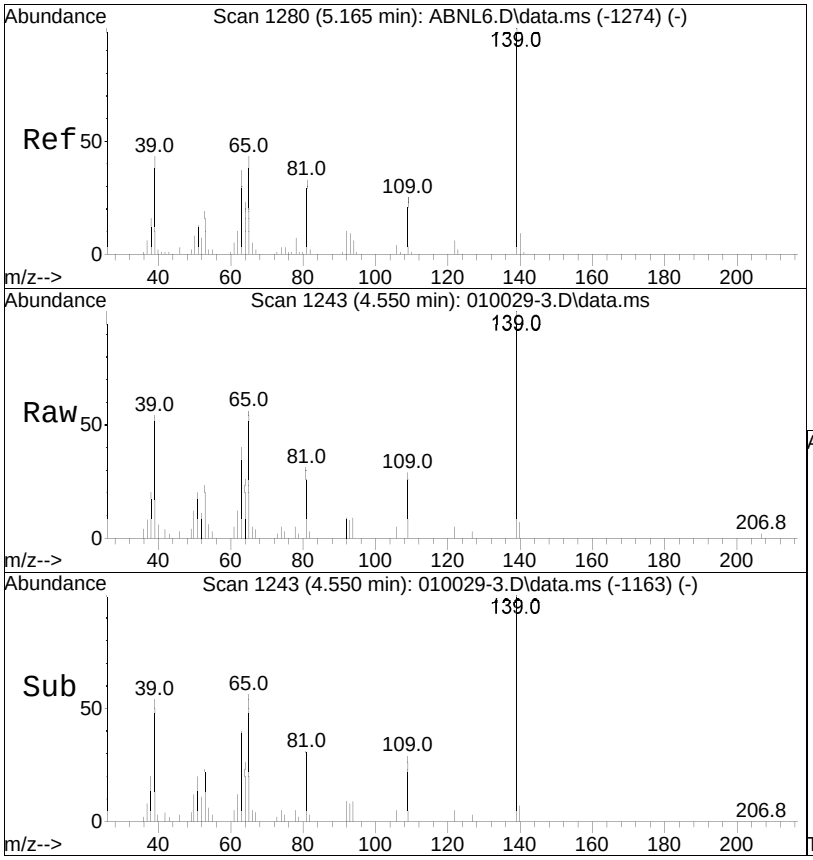


#21
Isophorone
Concen: 1.65 ug/ml
RT: 4.485 min Scan# 1222
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 82 Resp: 24288

Ion	Ratio	Lower	Upper
82	100		
138	14.1	14.7	22.1#
95	5.9	5.2	7.8

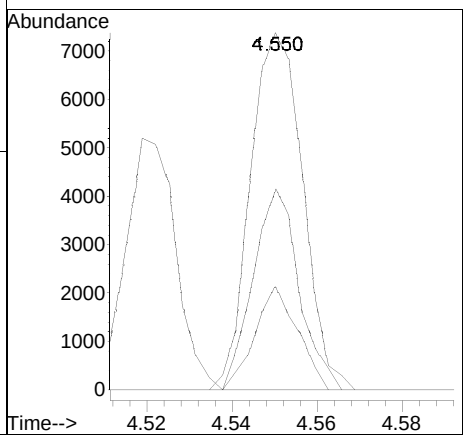


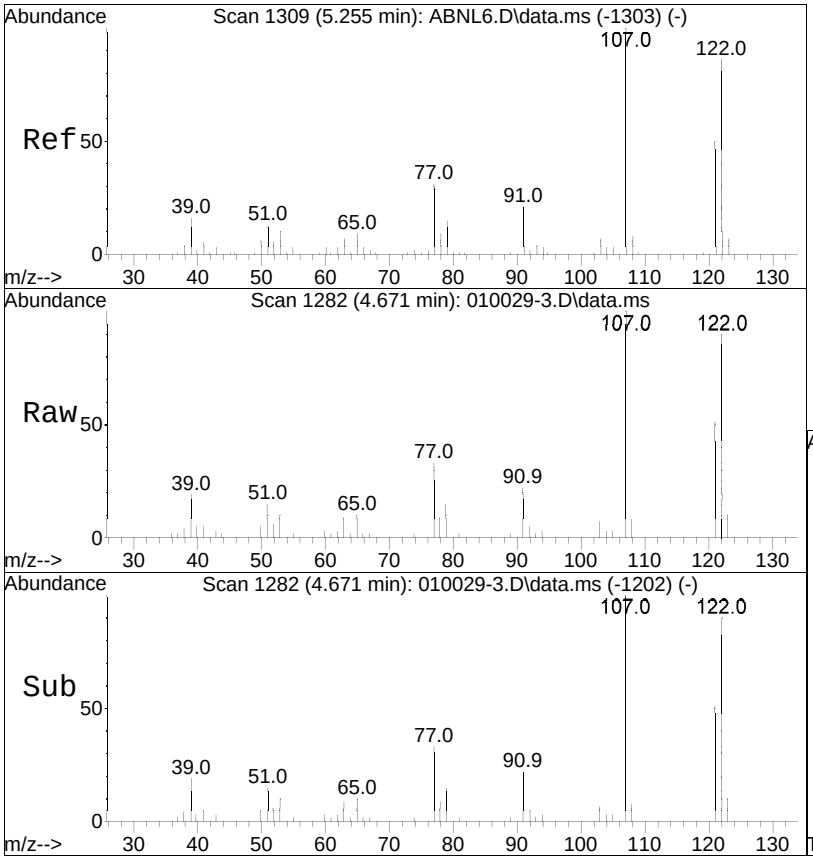


#22
2-Nitrophenol
Concen: 1.55 ug/ml
RT: 4.550 min Scan# 1243
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:139 Resp: 6301

Ion	Ratio	Lower	Upper
139	100		
109	23.6	19.4	29.0
65	49.3	46.1	69.1

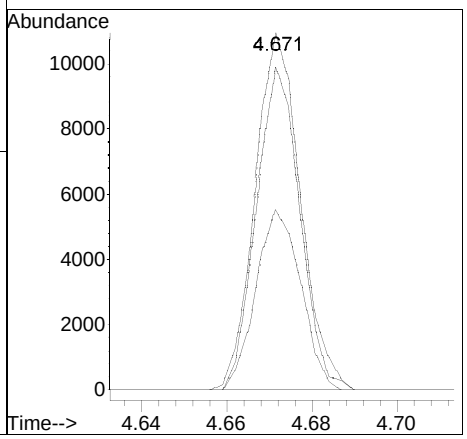


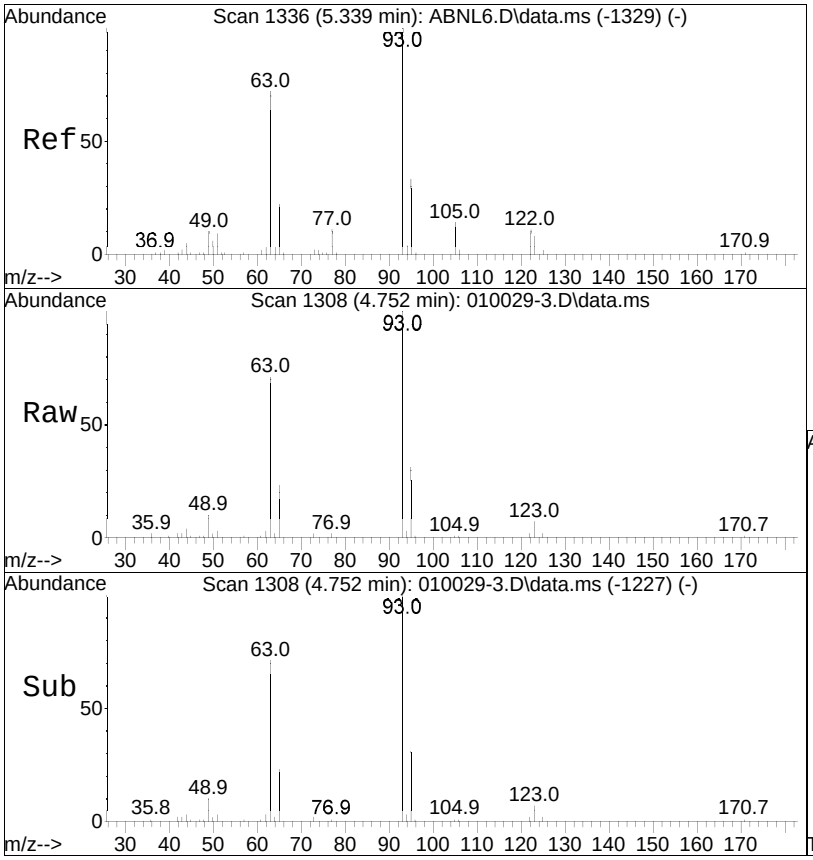


#23
2,4-Dimethylphenol
Concen: 1.12 ug/ml
RT: 4.671 min Scan# 1282
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:107 Resp: 8071

Ion	Ratio	Lower	Upper
107	100		
121	50.1	40.0	60.0
122	86.7	70.2	105.4

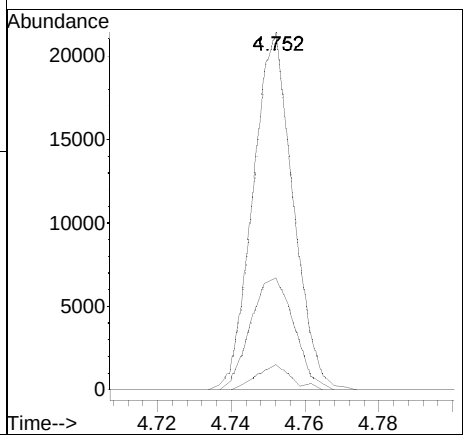


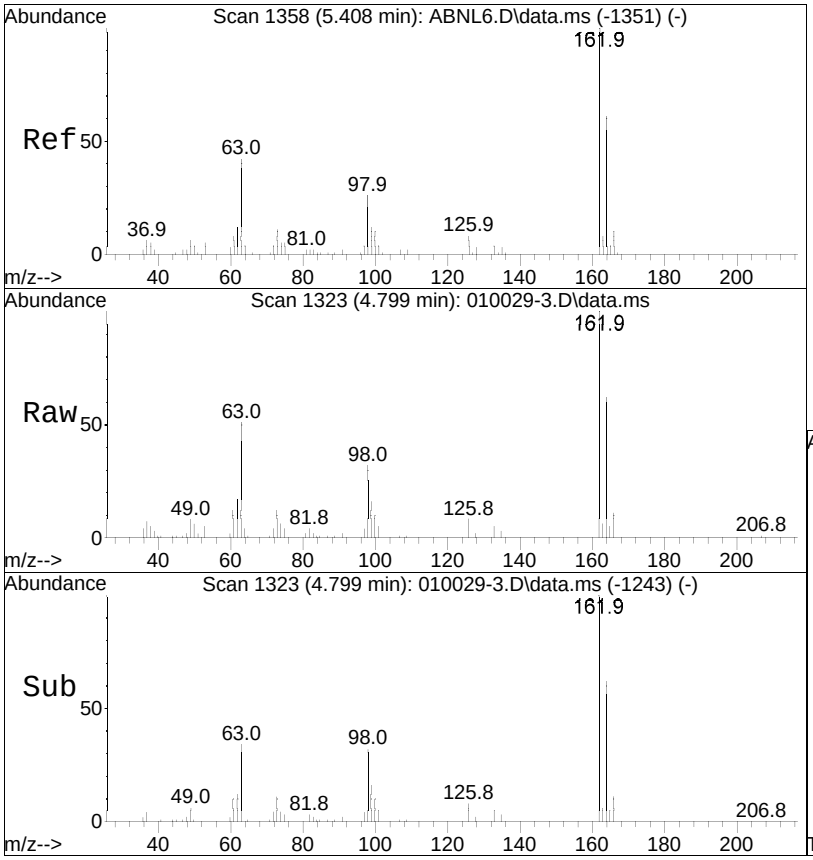


#24
Bis(2-chloroethoxy)methane
Concen: 1.74 ug/ml
RT: 4.752 min Scan# 1308
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 93 Resp: 16021

Ion	Ratio	Lower	Upper
93	100		
95	34.2	25.8	38.8
123	6.2	10.1	15.1#

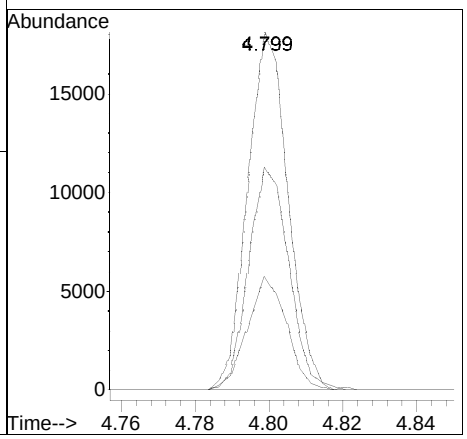


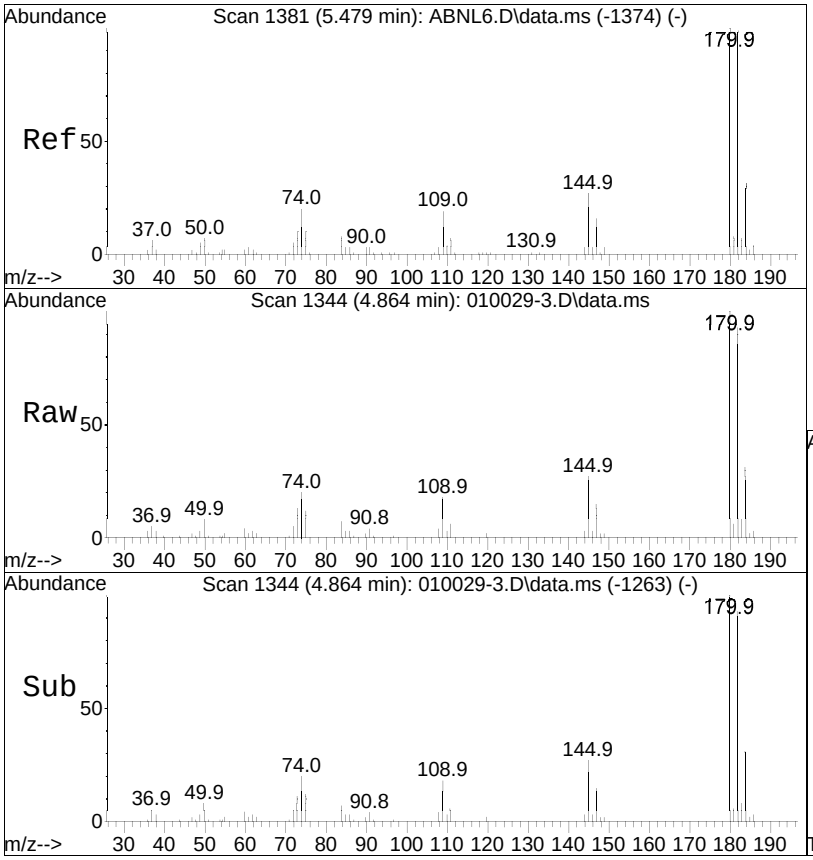


#25
2,4-Dichlorophenol
Concen: 1.63 ug/ml
RT: 4.799 min Scan# 1323
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:162 Resp: 13709

Ion	Ratio	Lower	Upper
162	100		
164	61.9	51.0	76.4
98	30.9	32.2	48.2#

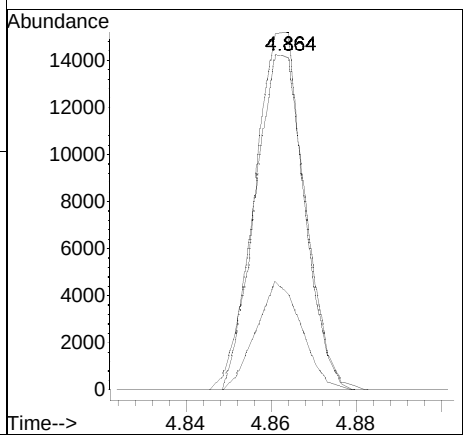


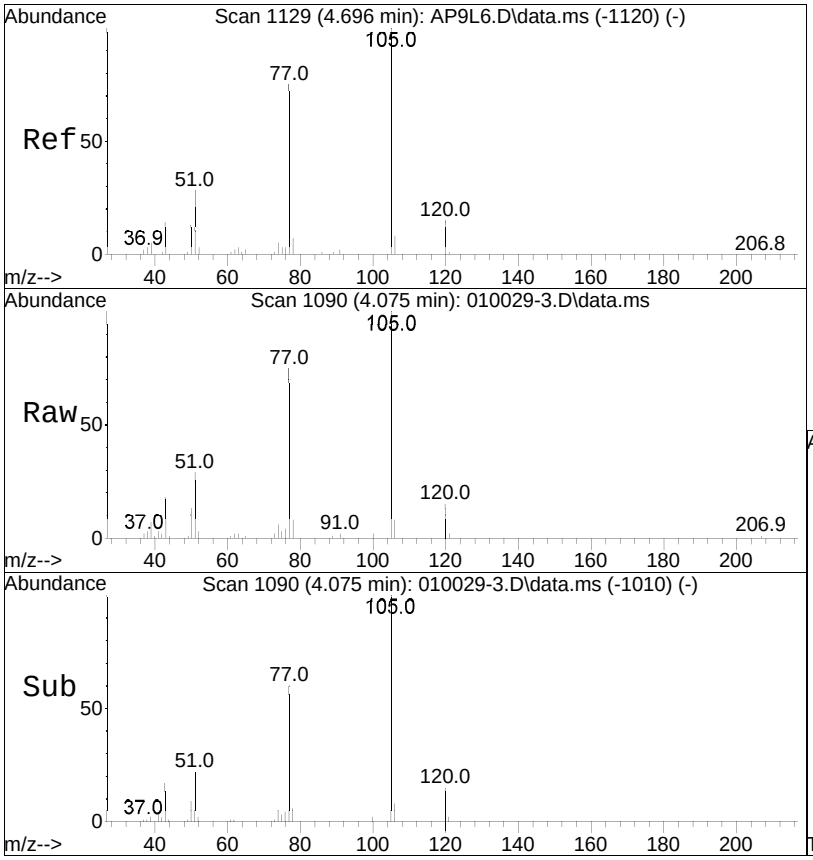


#26
1,2,4-Trichlorobenzene
Concen: 1.18 ug/ml
RT: 4.864 min Scan# 1344
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:180 Resp: 12041

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.0	114.0
145	28.4	25.7	38.5

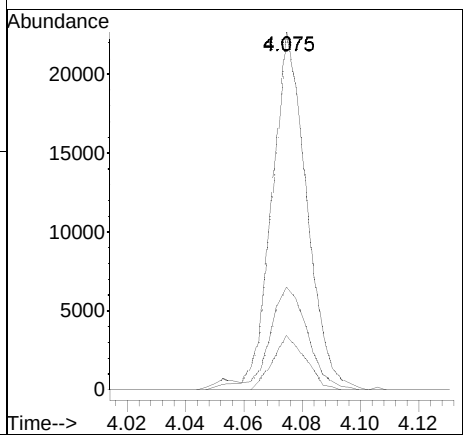


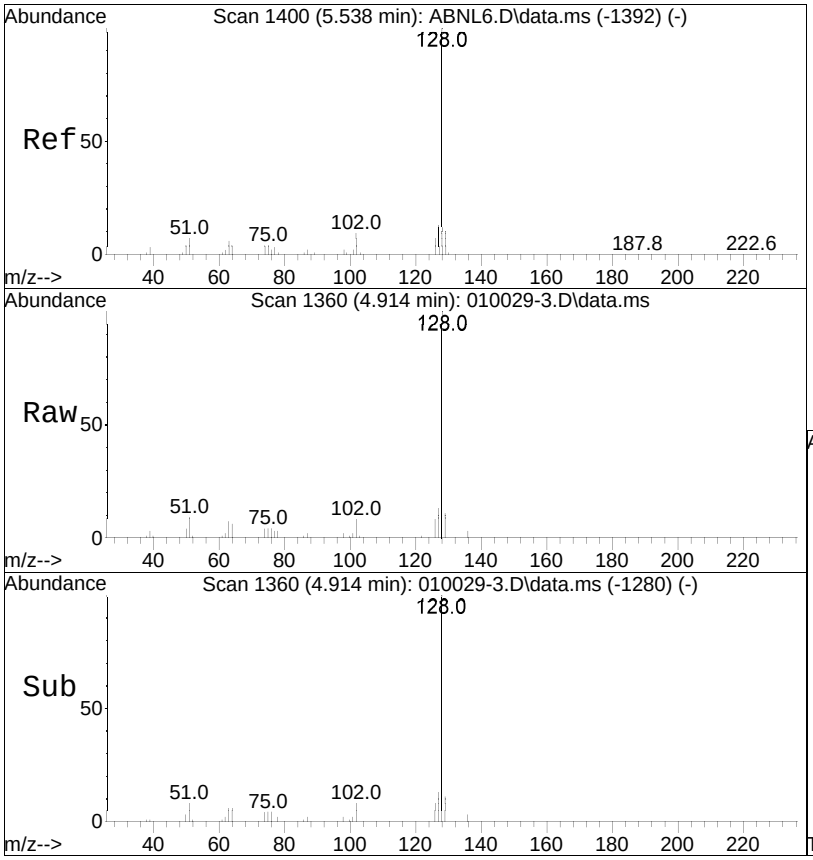


#29
Acetophenone
Concen: 2.03 ug/ml
RT: 4.075 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:105 Resp: 18666

Ion	Ratio	Lower	Upper
105	100		
120	14.4	20.5	30.7#
51	30.6	34.9	52.3#

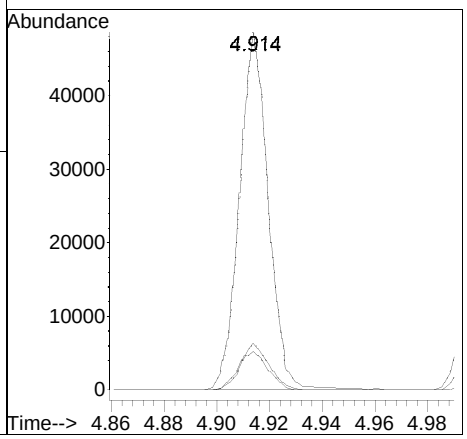


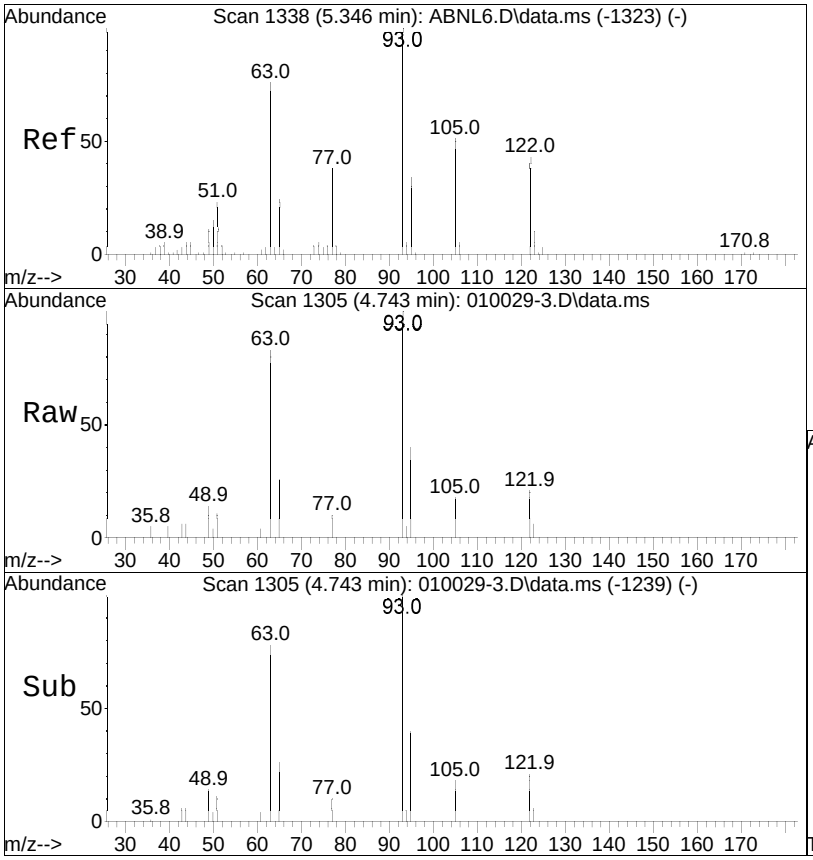


#38
Naphthalene
Concen: 1.33 ug/ml
RT: 4.914 min Scan# 1360
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:128 Resp: 36442

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.3	15.5

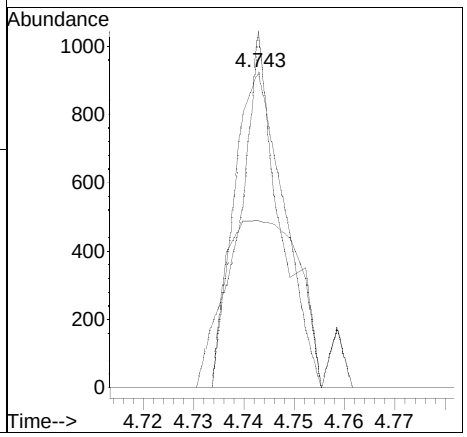


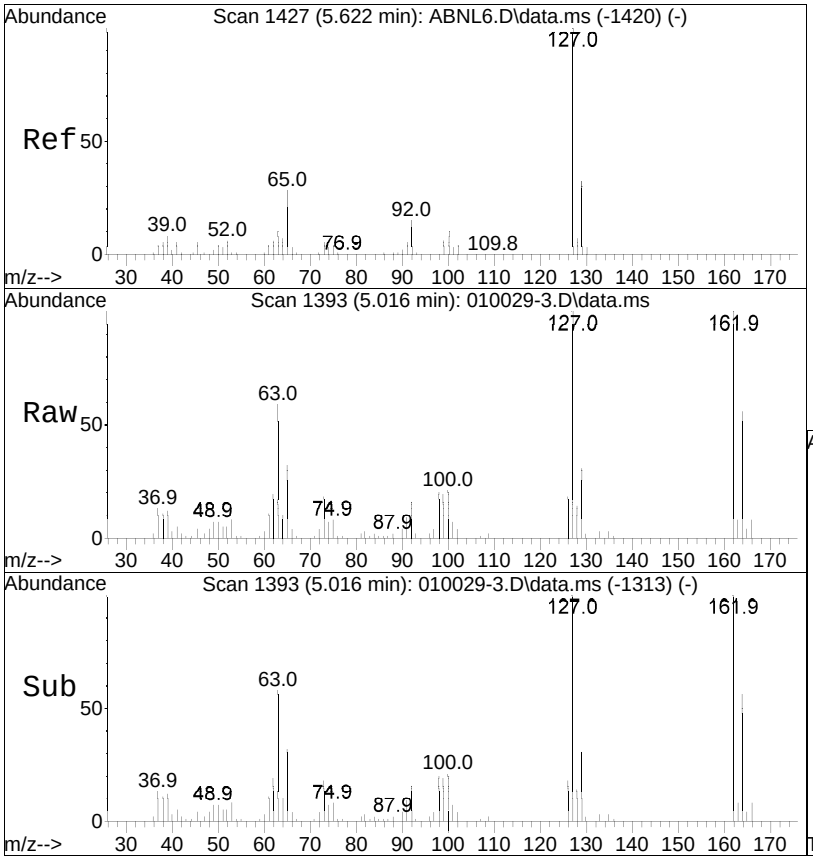


#39
Benzoic Acid
Concen: 0.12 ug/ml
RT: 4.743 min Scan# 1305
Delta R.T. -0.044 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:105 Resp: 664

Ion	Ratio	Lower	Upper
105	100		
122	91.9	59.9	89.9#
77	78.5	60.1	90.1

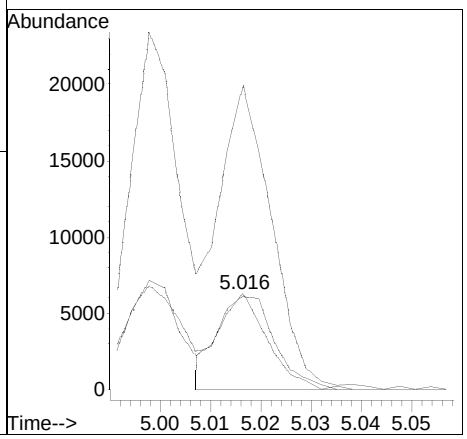


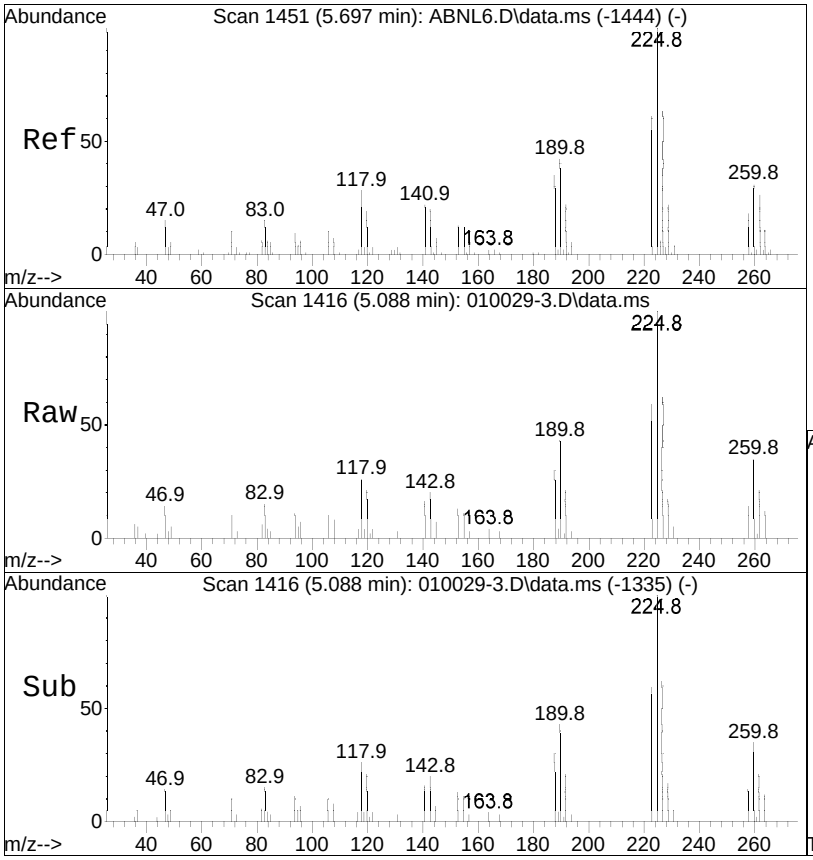


#40
4-Chloroaniline
Concen: 1.41 ug/ml
RT: 5.016 min Scan# 1393
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 65 Resp: 4256

Ion	Ratio	Lower	Upper
65	100		
127	342.7	237.6	356.4
129	112.2	76.3	114.5

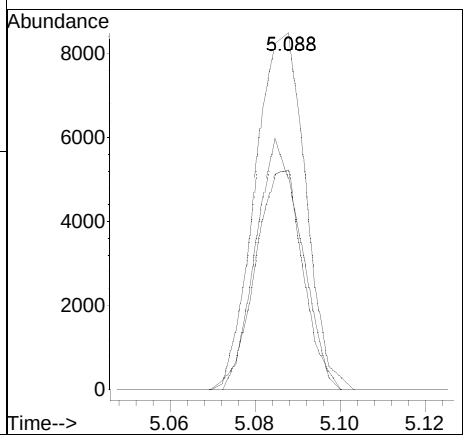


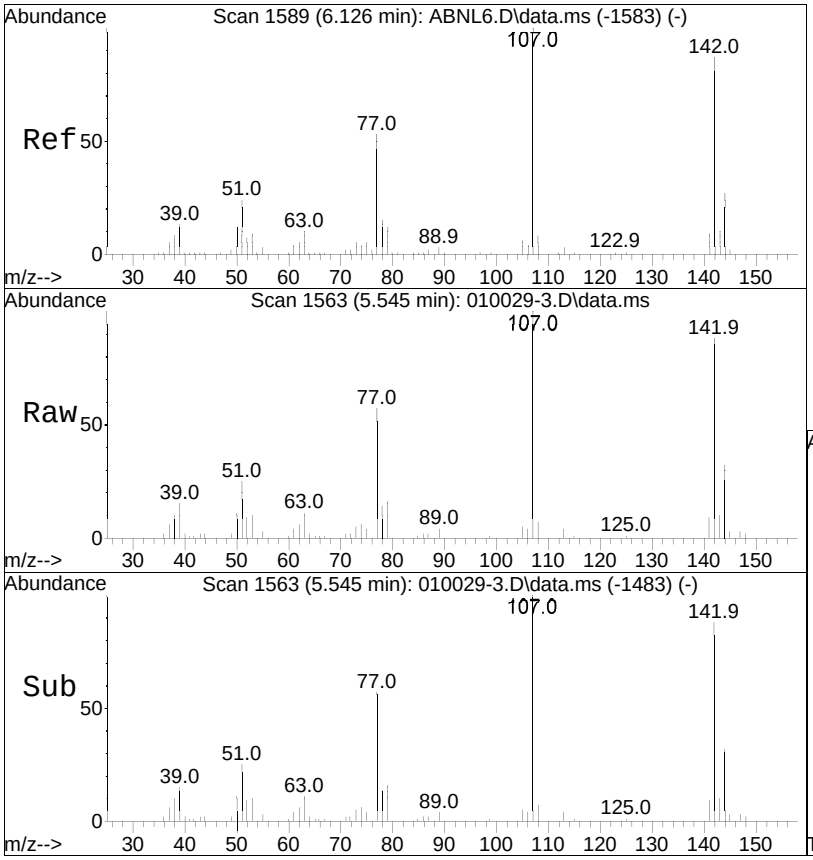


#41
Hexachlorobutadiene
Concen: 1.08 ug/ml
RT: 5.088 min Scan# 1416
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:225 Resp: 6968

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	57.8	52.2	78.2

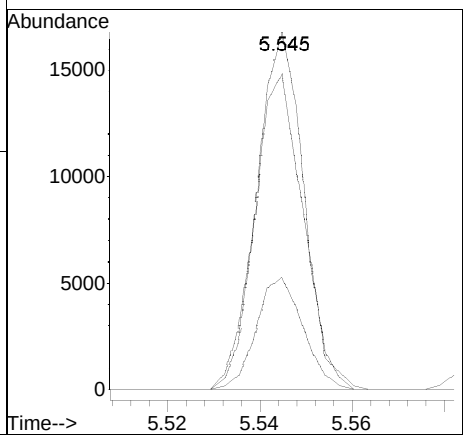


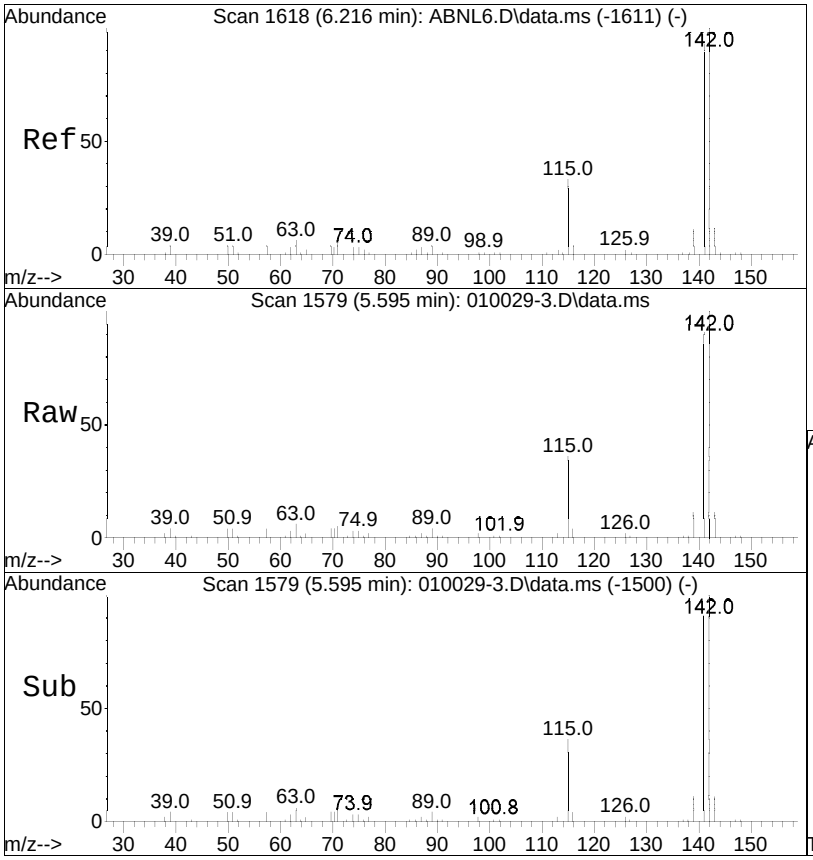


#42
p-Chloro-m-cresol
Concen: 1.63 ug/ml
RT: 5.545 min Scan# 1563
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:107 Resp: 11832

Ion	Ratio	Lower	Upper
107	100		
144	31.2	20.9	31.3
142	90.2	66.1	99.1

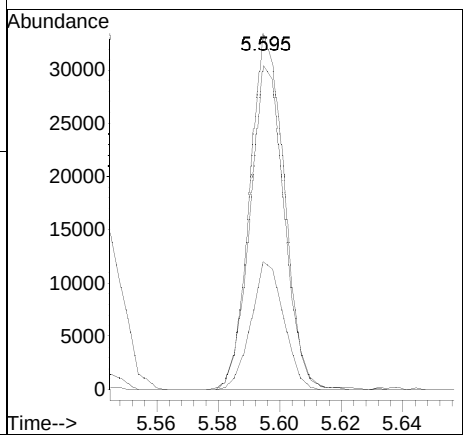


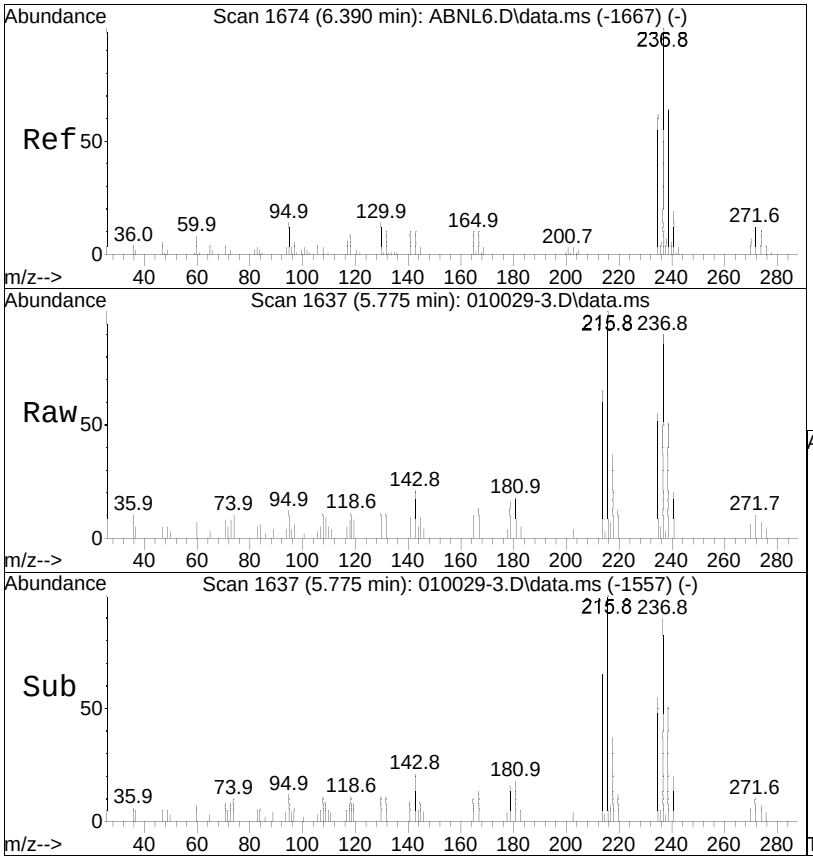


#43
2-Methylnaphthalene
Concen: 1.37 ug/ml
RT: 5.595 min Scan# 1579
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:142 Resp: 26124

Ion	Ratio	Lower	Upper
142	100		
141	90.2	69.6	104.4
115	34.0	26.6	40.0

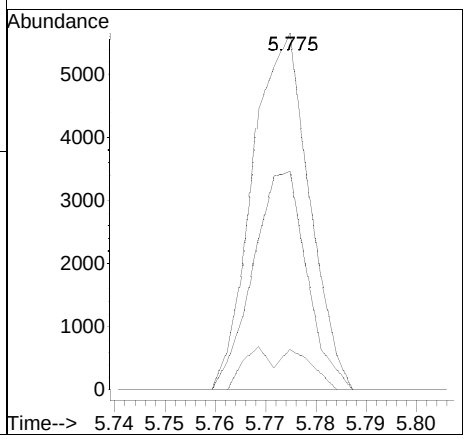


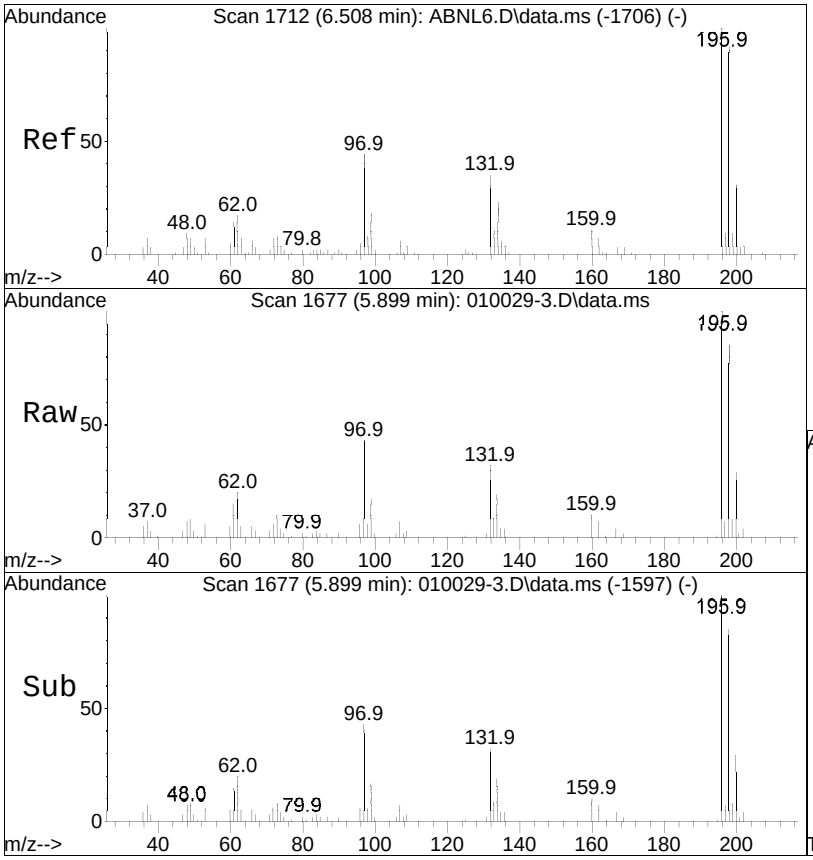


#45
Hexachlorocyclopentadiene
Concen: 0.65 ug/ml
RT: 5.775 min Scan# 1637
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:237 Resp: 4401

Ion	Ratio	Lower	Upper
237	100		
235	58.3	49.7	74.5
272	0.0	9.8	14.6#

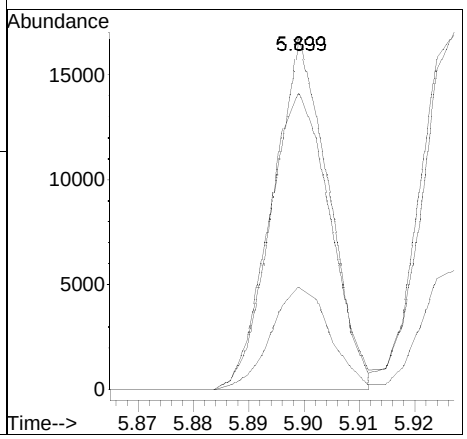


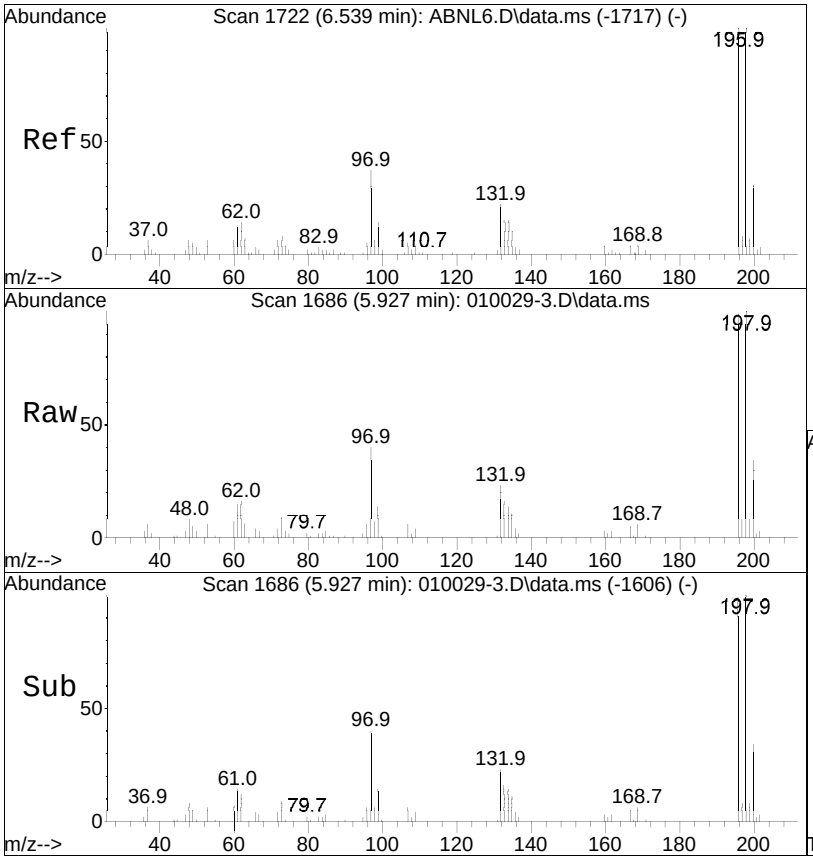


#46
2,4,6-Trichlorophenol
Concen: 1.64 ug/ml
RT: 5.899 min Scan# 1677
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:196 Resp: 11715

Ion	Ratio	Lower	Upper
196	100		
198	92.7	77.5	116.3
200	31.1	23.8	35.6

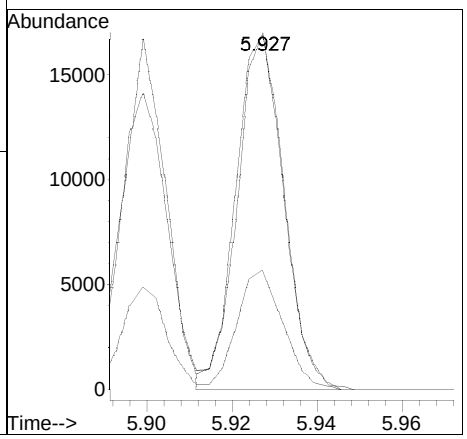


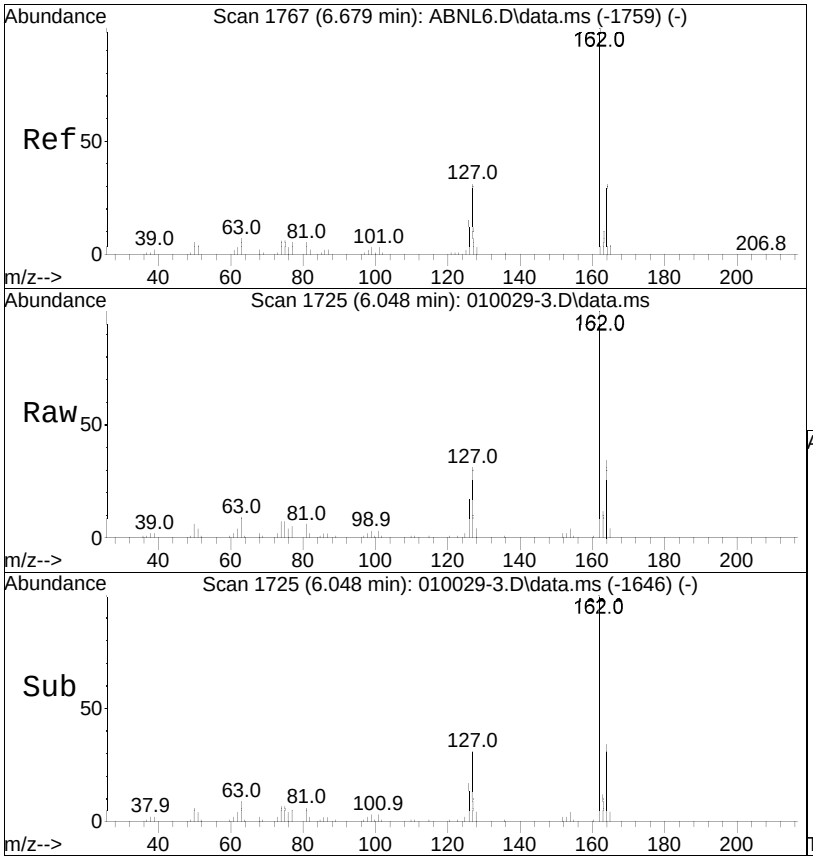


#47
2,4,5-Trichlorophenol
Concen: 1.66 ug/ml
RT: 5.927 min Scan# 1686
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:196 Resp: 13322

Ion	Ratio	Lower	Upper
196	100		
200	32.4	25.4	38.0
198	95.3	78.0	117.0

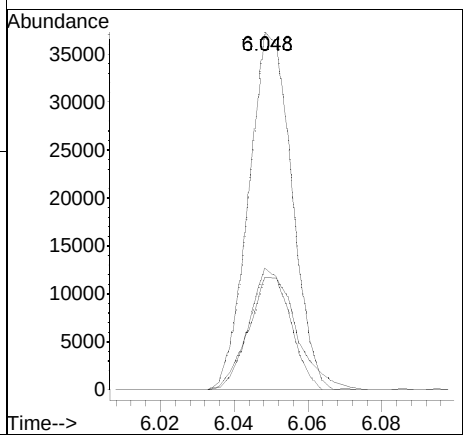


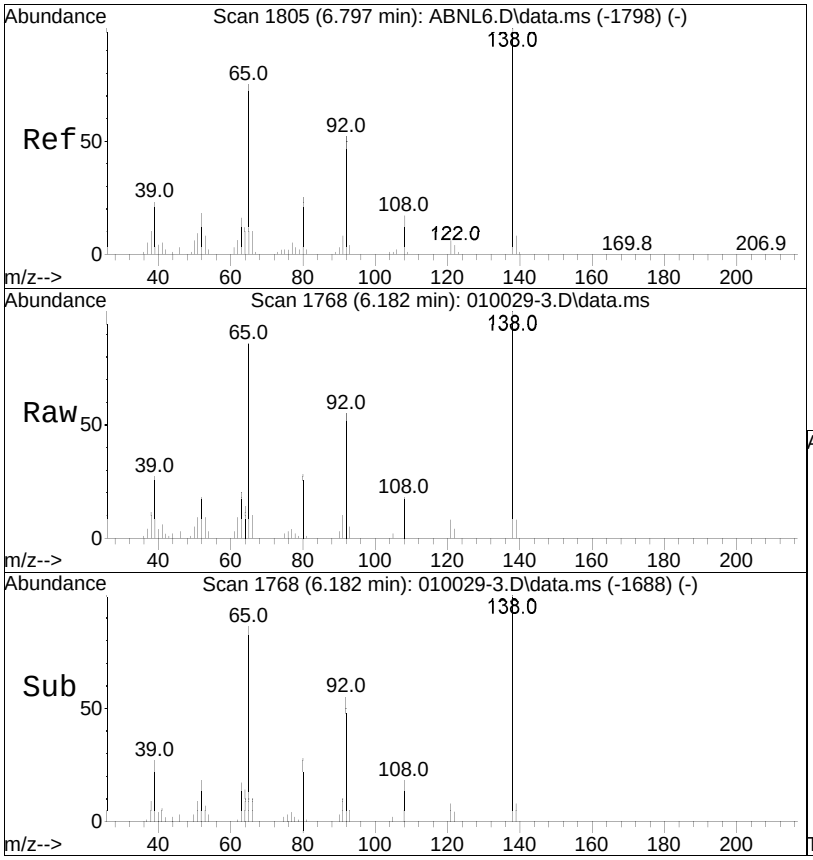


#49
2-Chloronaphthalene
Concen: 1.41 ug/ml
RT: 6.048 min Scan# 1725
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:162 Resp: 30031

Ion	Ratio	Lower	Upper
162	100		
127	36.1	32.2	48.4
164	32.4	25.7	38.5

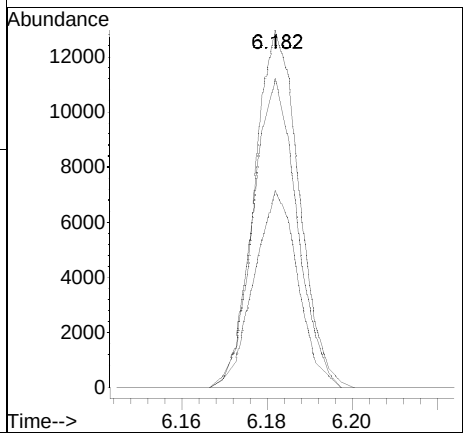


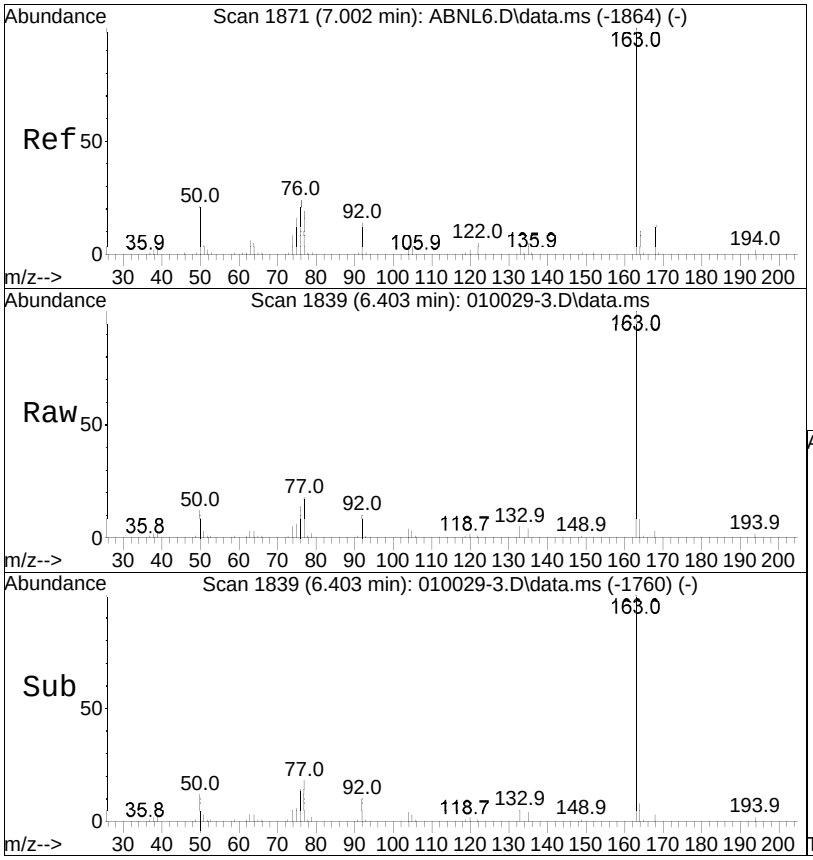


#50
2-Nitroaniline
Concen: 1.71 ug/ml
RT: 6.182 min Scan# 1768
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:138 Resp: 9347

Ion	Ratio	Lower	Upper
138	100		
92	54.3	53.5	80.3
65	85.7	86.3	129.5#

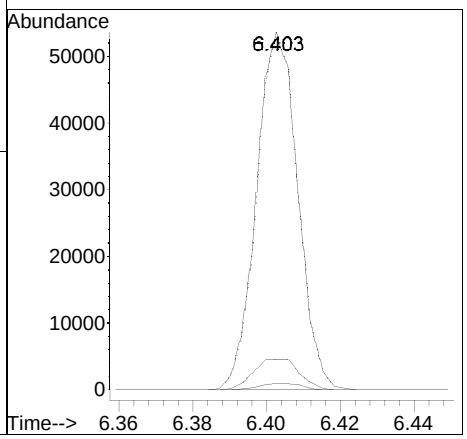


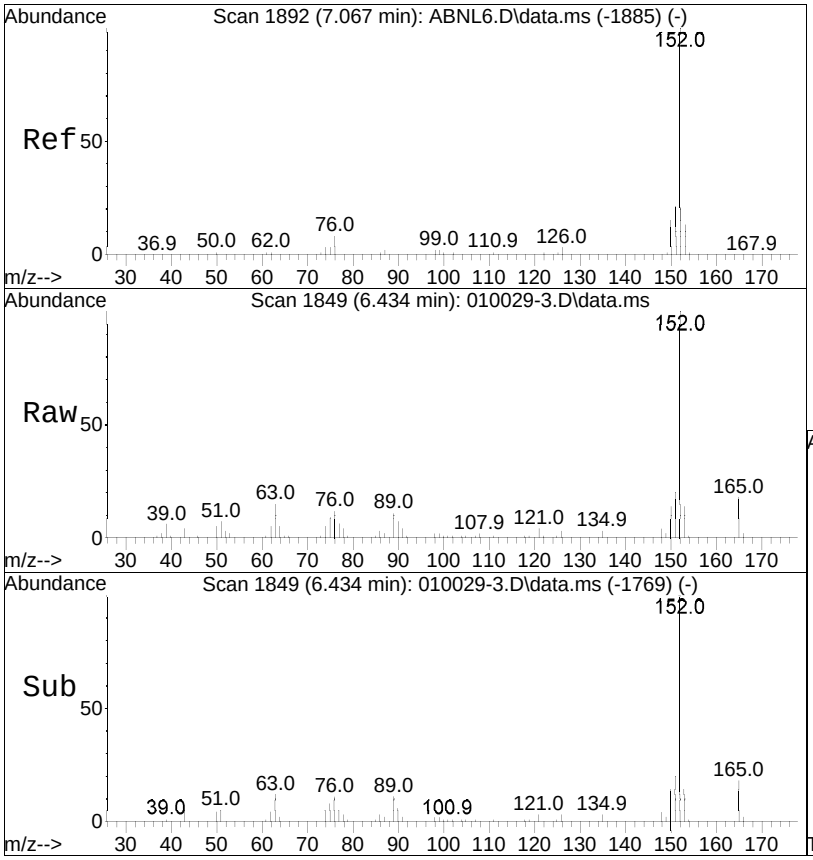


#53
Dimethyl phthalate
Concen: 1.66 ug/ml
RT: 6.403 min Scan# 1839
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:163 Resp: 41159

Ion	Ratio	Lower	Upper
163	100		
194	1.9	3.5	5.3#
164	9.6	7.9	11.9

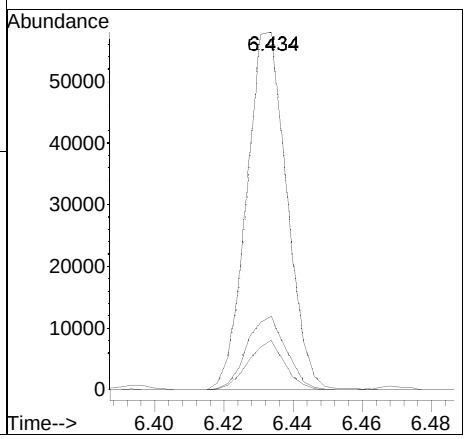


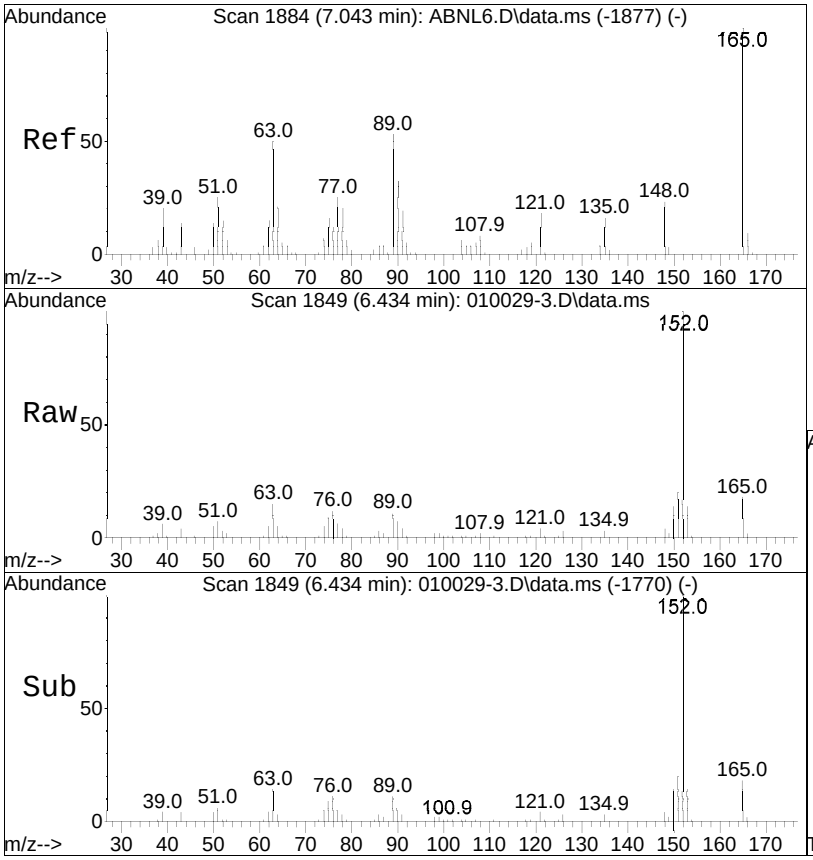


#54
Acenaphthylene
Concen: 1.48 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:152 Resp: 46251

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	12.7	10.5	15.7

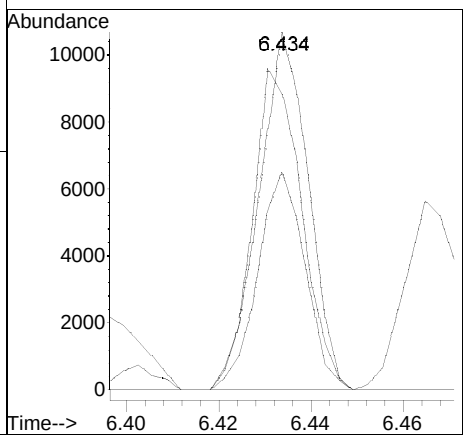


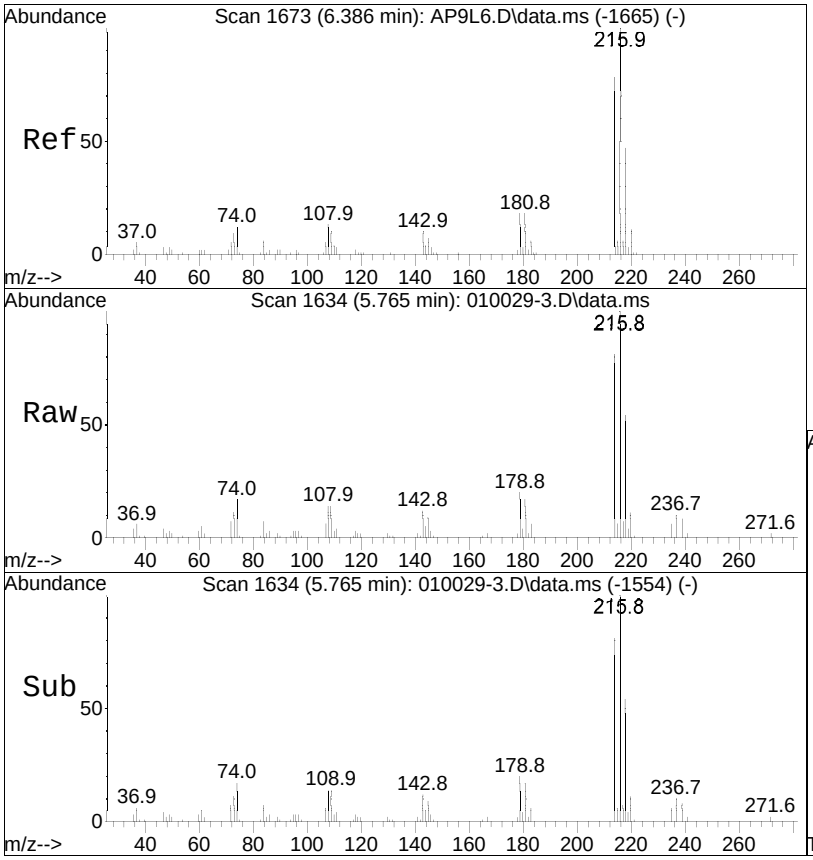


#55
2,6-Dinitrotoluene
Concen: 1.72 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:165 Resp: 7931

Ion	Ratio	Lower	Upper
165	100		
89	58.5	54.2	81.2
63	89.6	64.2	96.2

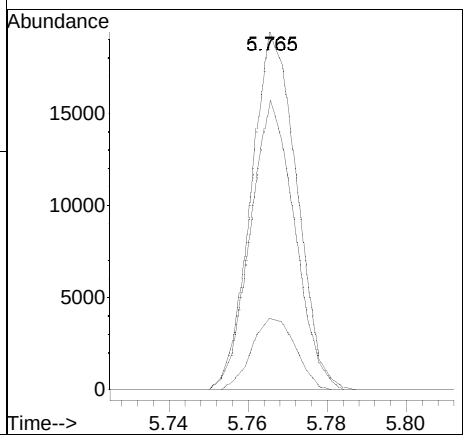


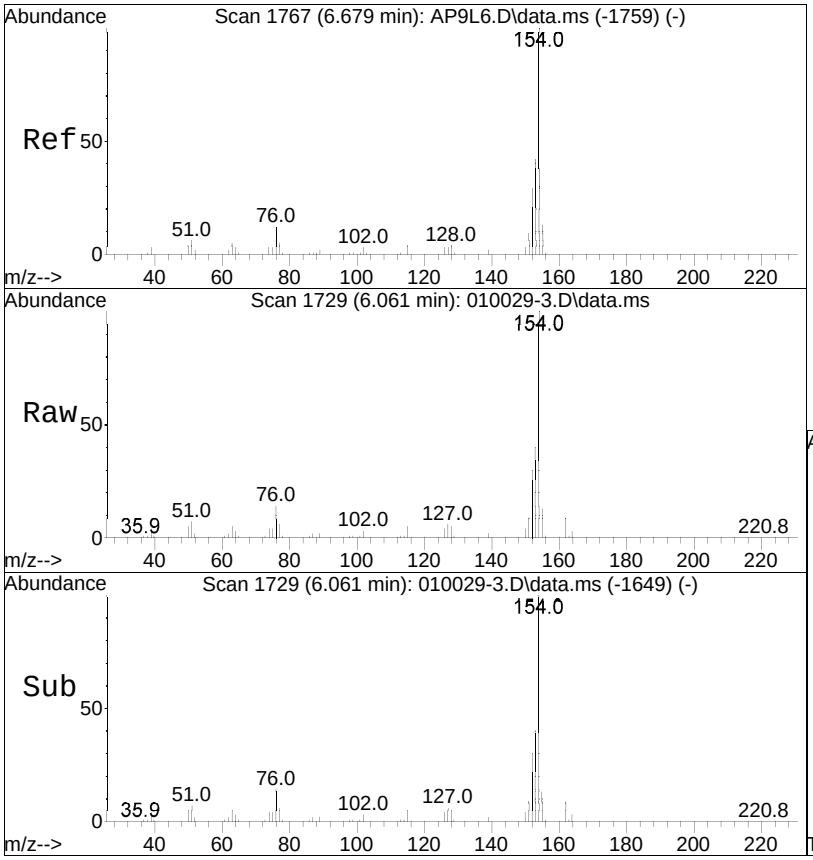


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.50 ug/ml
RT: 5.765 min Scan# 1634
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:216 Resp: 15431

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.7	95.5
179	19.4	19.0	28.6

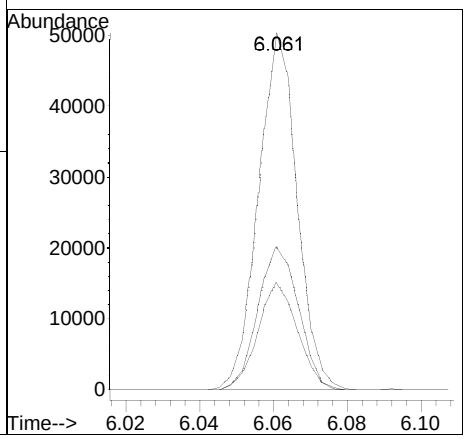


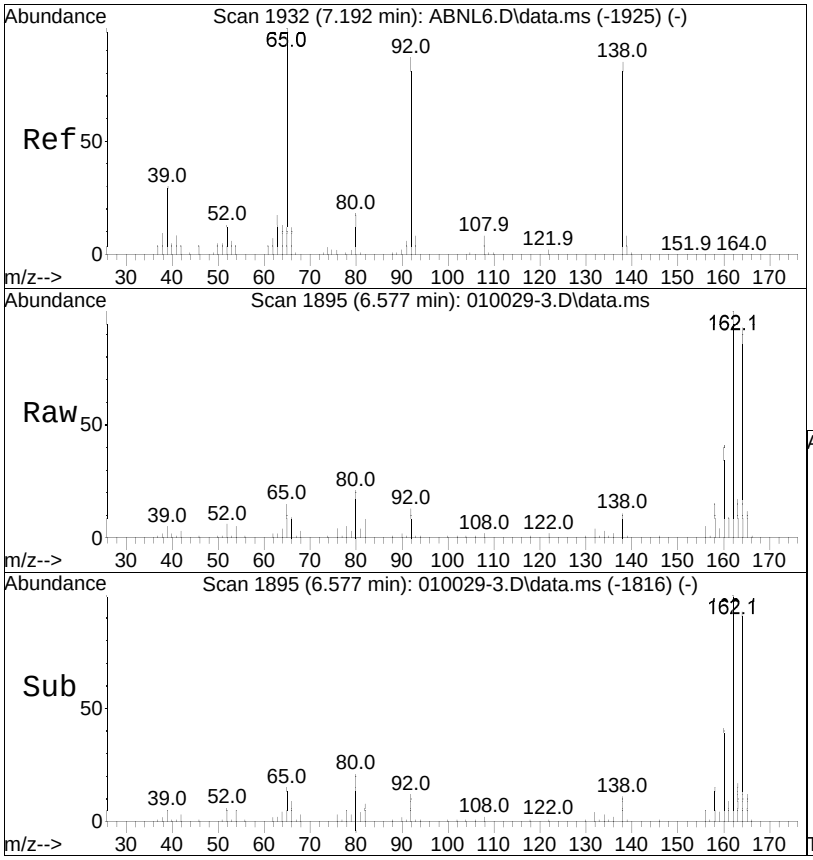


#64
Biphenyl
Concen: 1.73 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:154 Resp: 36385

Ion	Ratio	Lower	Upper
154	100		
153	42.4	32.3	48.5
152	31.0	22.5	33.7

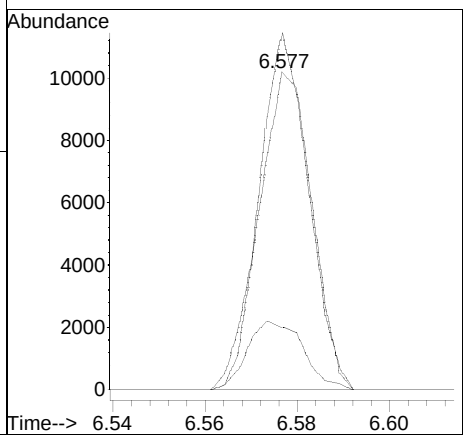


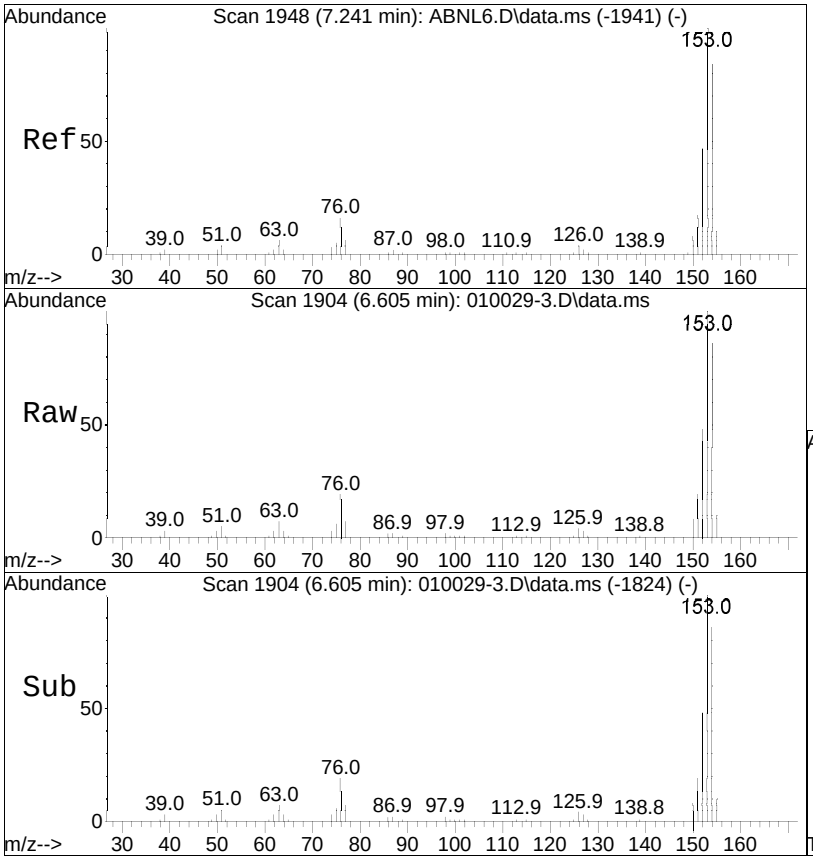


#66
3-Nitroaniline
Concen: 1.54 ug/ml
RT: 6.577 min Scan# 1895
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:138 Resp: 7967

Ion	Ratio	Lower	Upper
138	100		
92	107.2	93.4	140.2
108	23.3	9.5	14.3#

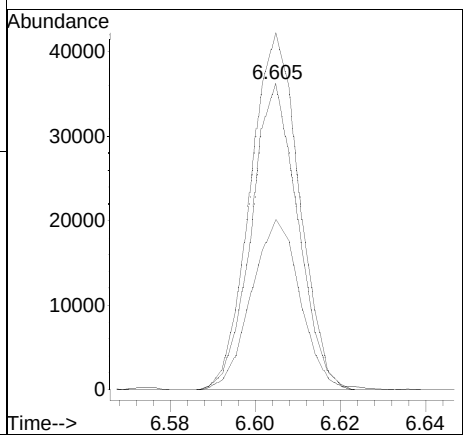


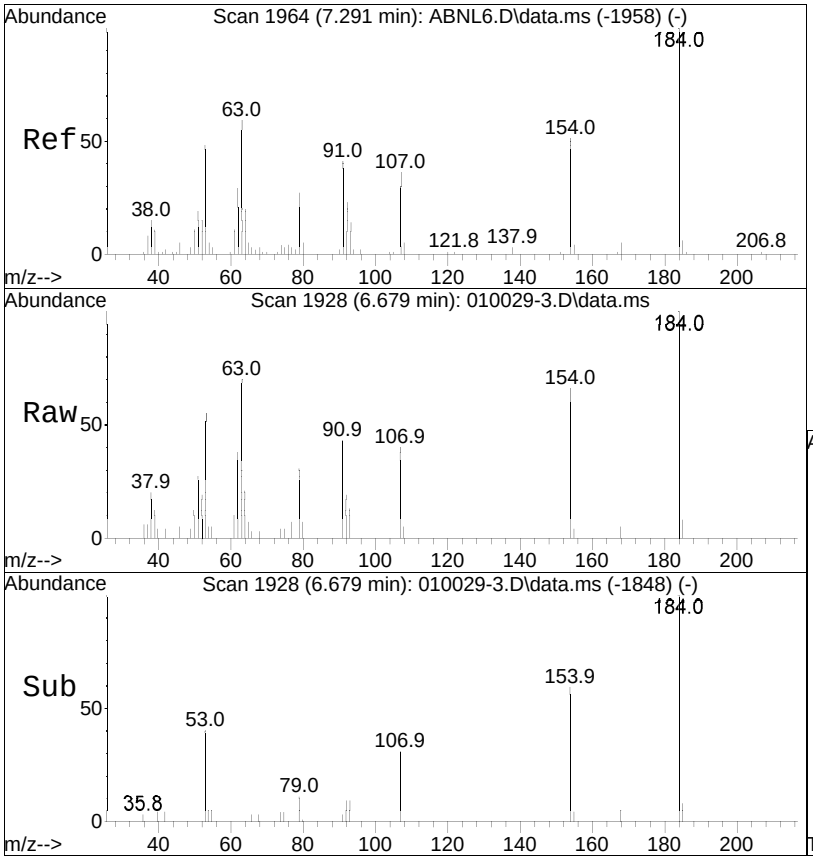


#67
Acenaphthene
Concen: 1.40 ug/ml
RT: 6.605 min Scan# 1904
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:154 Resp: 27438

Ion	Ratio	Lower	Upper
154	100		
153	123.2	85.3	127.9
152	58.4	41.4	62.0

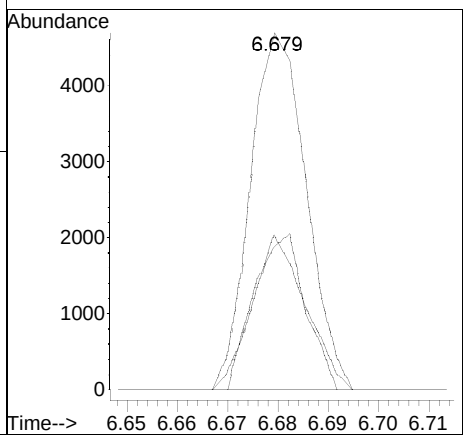


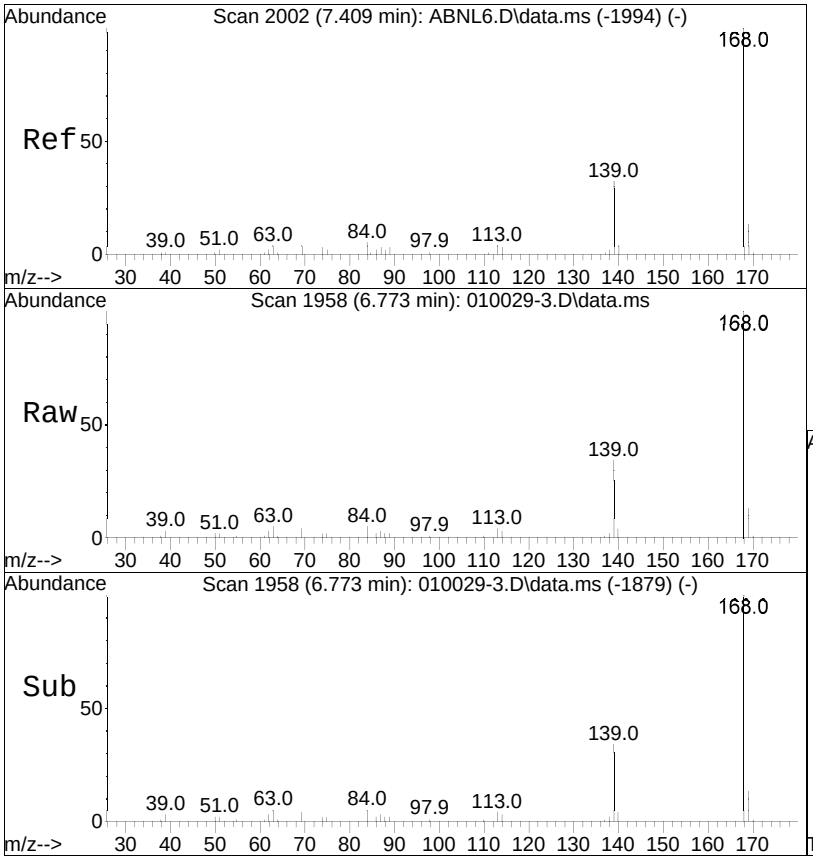


#68
2,4-Dinitrophenol
Concen: 1.14 ug/ml
RT: 6.679 min Scan# 1928
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:184 Resp: 3596

Ion	Ratio	Lower	Upper
184	100		
107	40.3	37.7	56.5
91	41.2	46.3	69.5#

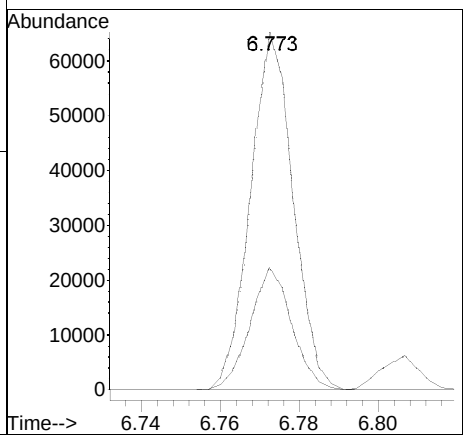


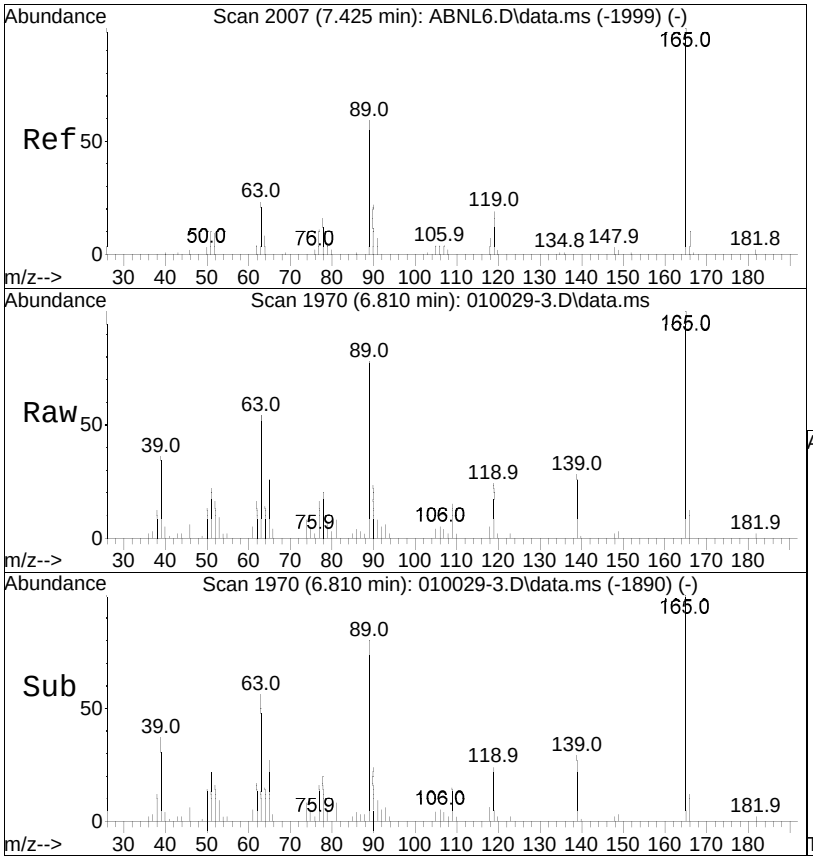


#69
Dibenzofuran
Concen: 1.44 ug/ml
RT: 6.773 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:168 Resp: 48406

Ion	Ratio	Lower	Upper
168	100		
139	33.8	31.4	47.2

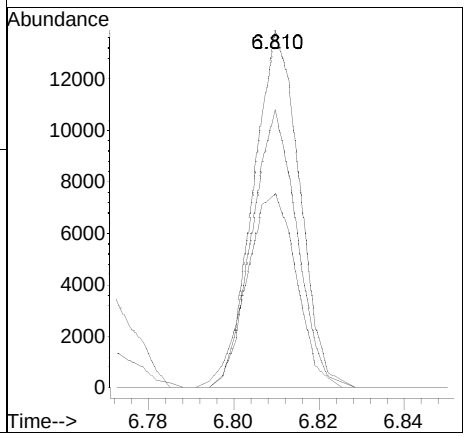


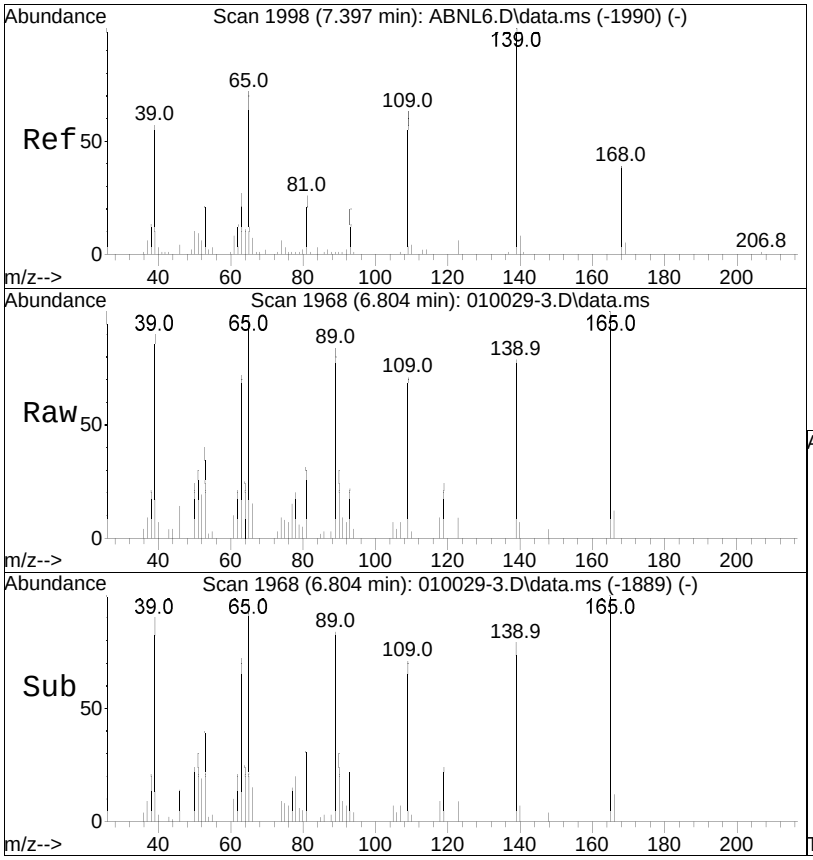


#70
2,4-Dinitrotoluene
Concen: 1.59 ug/ml
RT: 6.810 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:165 Resp: 10351

Ion	Ratio	Lower	Upper
165	100		
89	76.1	72.0	108.0
63	59.7	52.7	79.1

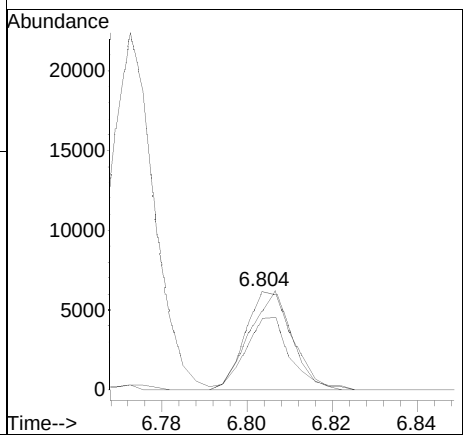


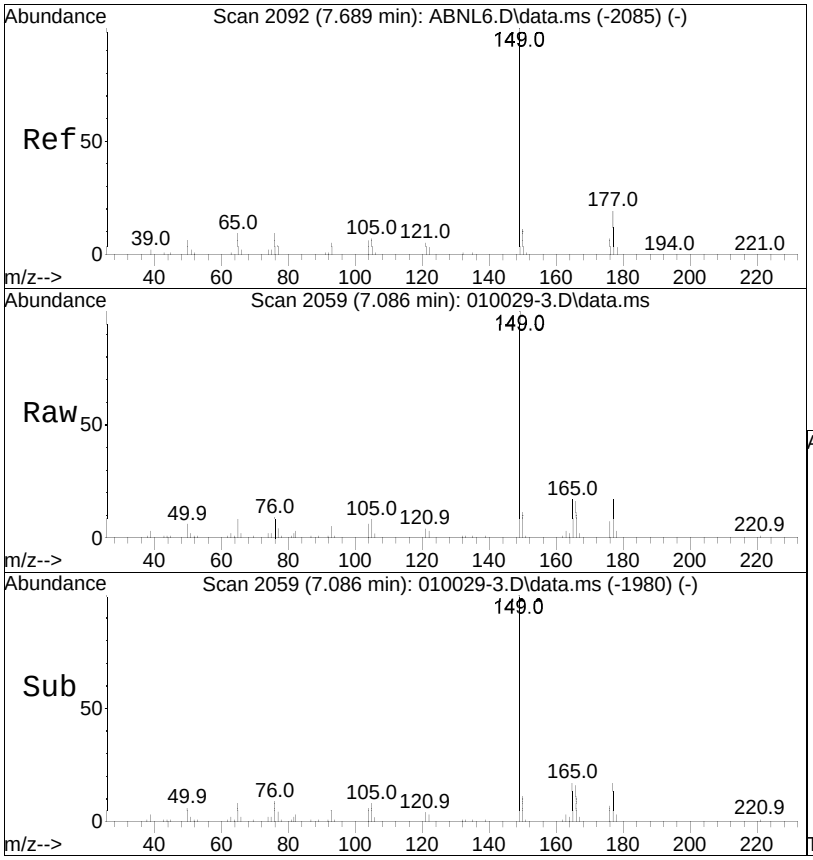


#71
4-Nitrophenol
Concen: 1.23 ug/ml
RT: 6.804 min Scan# 1968
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion: 65 Resp: 4757

Ion	Ratio	Lower	Upper
65	100		
109	68.9	47.4	71.2
139	91.8	76.6	115.0

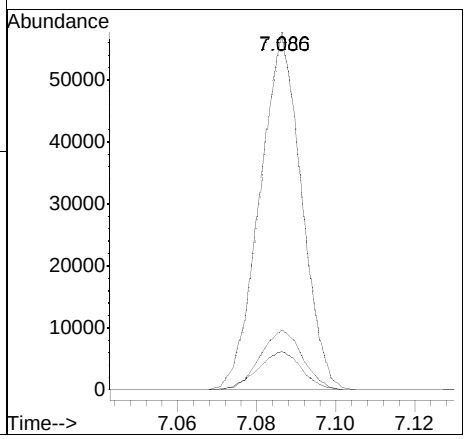


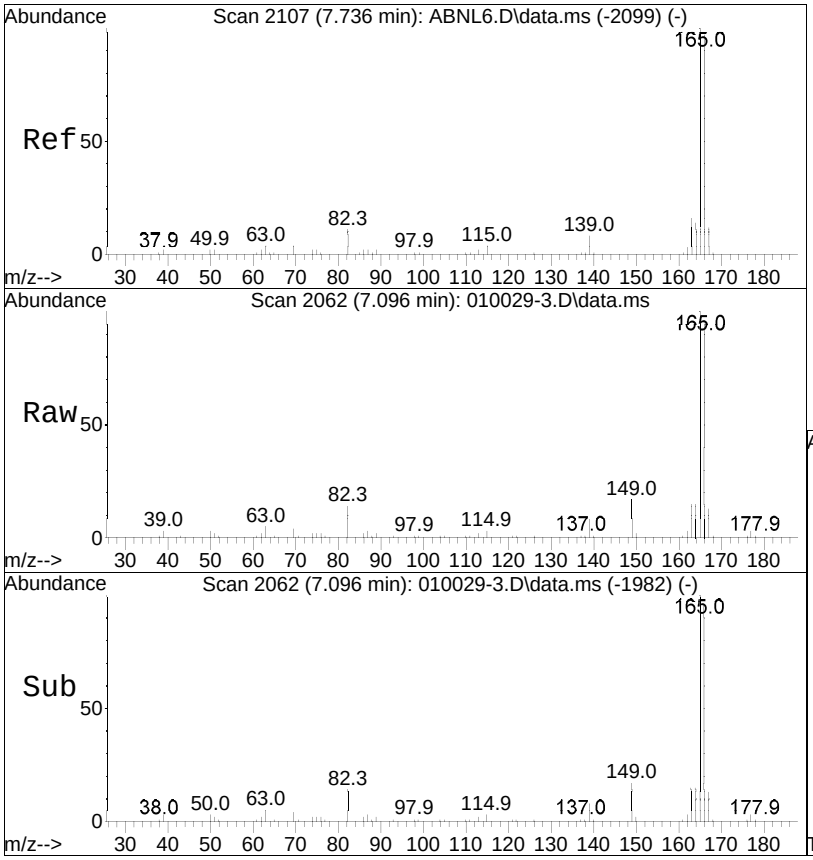


#74
Diethyl phthalate
Concen: 1.58 ug/ml
RT: 7.086 min Scan# 2059
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:149 Resp: 41731

Ion	Ratio	Lower	Upper
149	100		
177	17.2	16.1	24.1
150	11.5	9.4	14.2

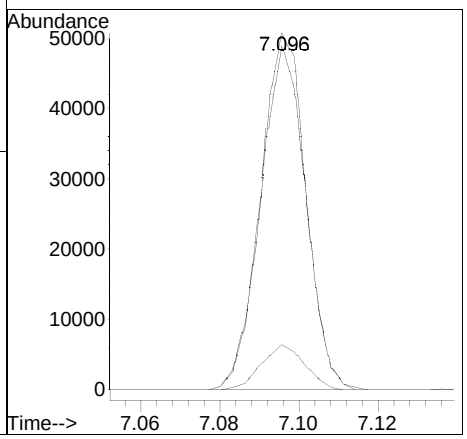


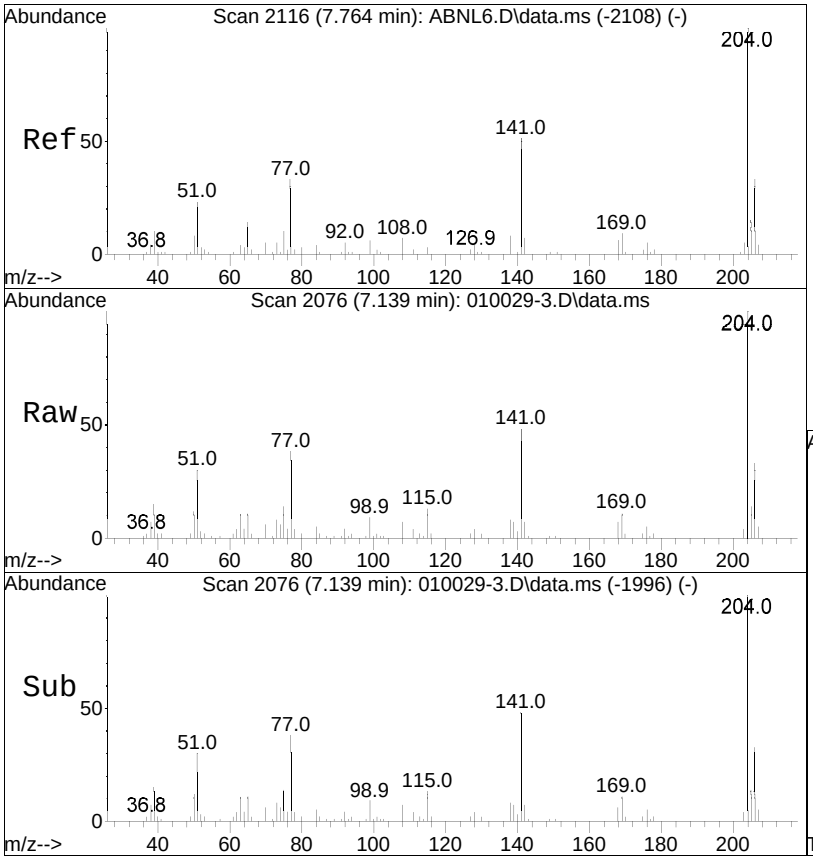


#75
Fluorene
Concen: 1.50 ug/ml
RT: 7.096 min Scan# 2062
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:166 Resp: 38782

Ion	Ratio	Lower	Upper
166	100		
165	104.1	76.2	114.2
167	12.7	10.6	15.8

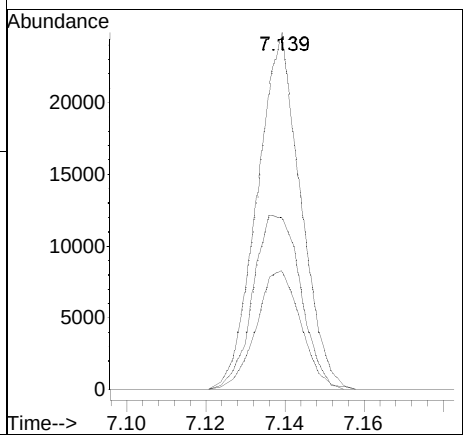


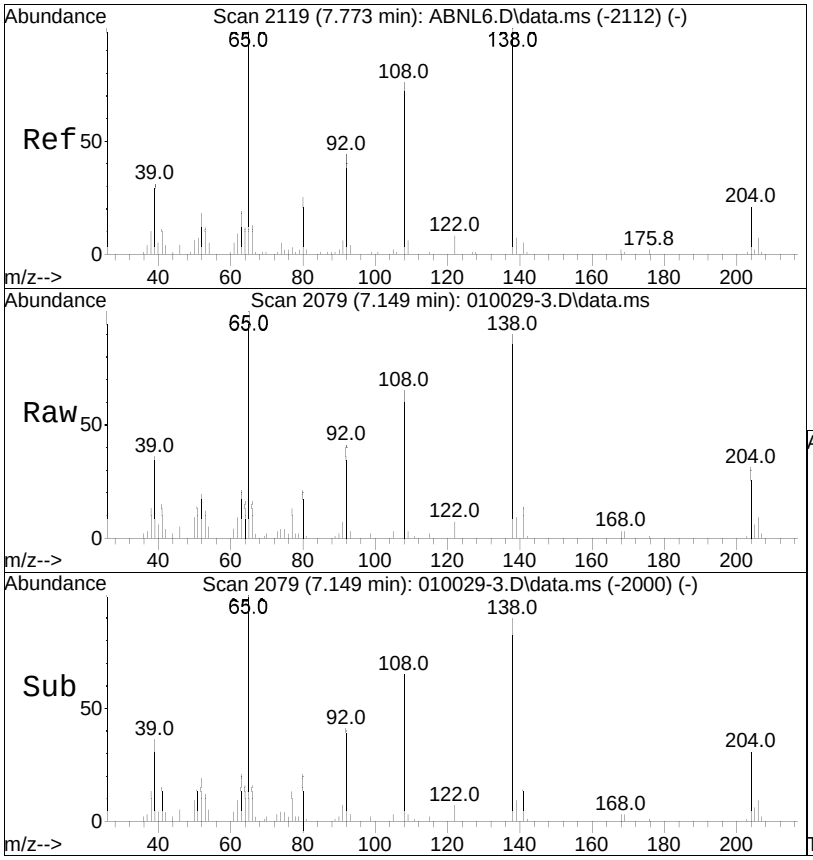


#76
4-Chlorophenyl phenyl ether
Concen: 1.42 ug/ml
RT: 7.139 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:204 Resp: 18839

Ion	Ratio	Lower	Upper
204	100		
206	34.3	25.8	38.6
141	53.8	53.6	80.4

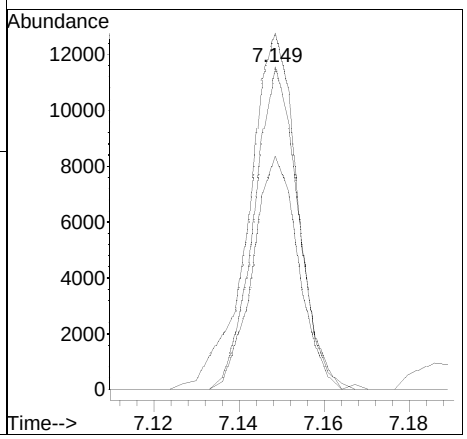


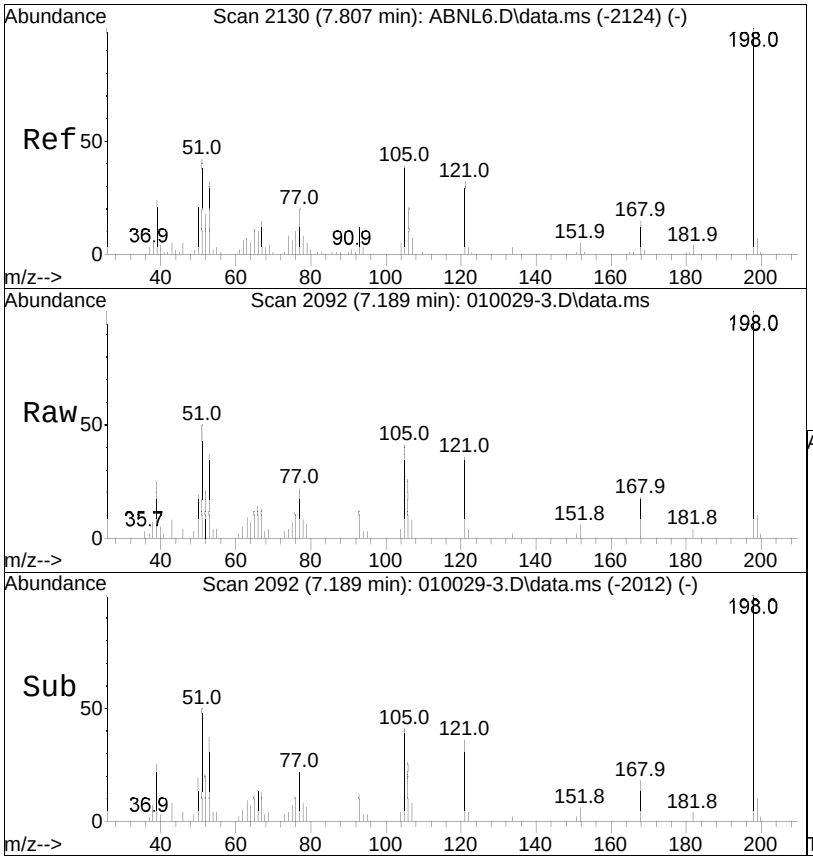


#77
4-Nitroaniline
Concen: 1.66 ug/ml
RT: 7.149 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:138 Resp: 8309

Ion	Ratio	Lower	Upper
138	100		
108	74.5	52.1	78.1
65	122.9	115.0	172.6

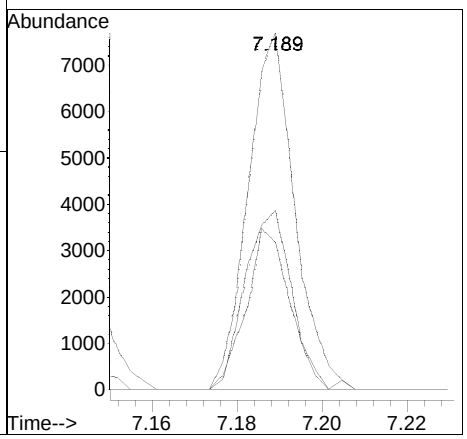


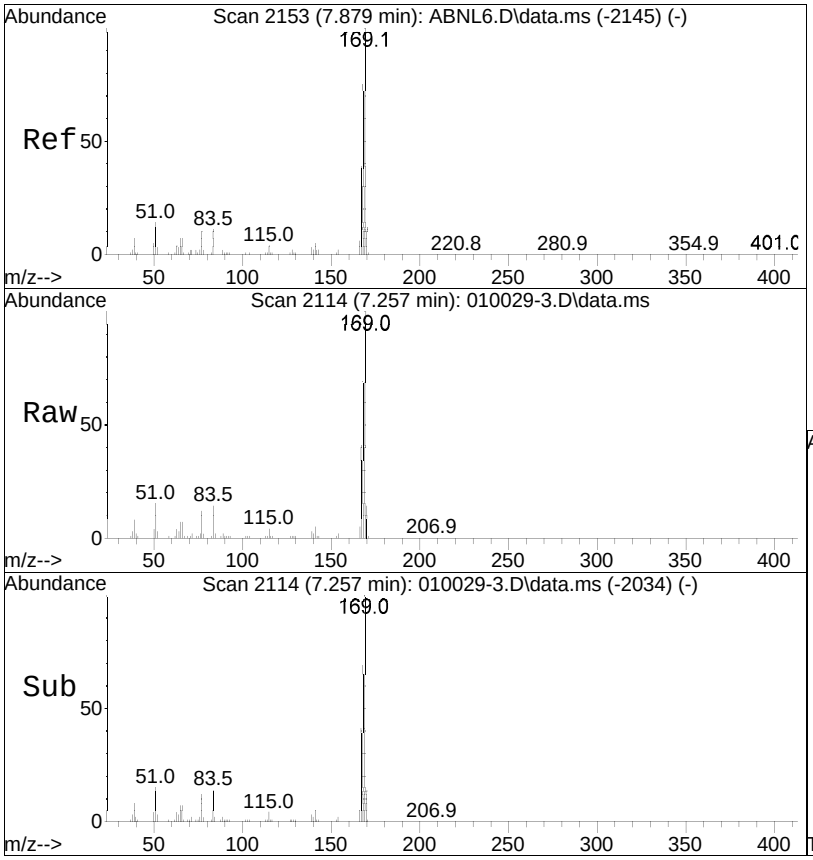


#78
4,6-Dinitro-o-cresol
Concen: 1.48 ug/ml
RT: 7.189 min Scan# 2092
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:198 Resp: 5806

Ion	Ratio	Lower	Upper
198	100		
51	50.4	76.0	114.0#
105	42.9	45.6	68.4#

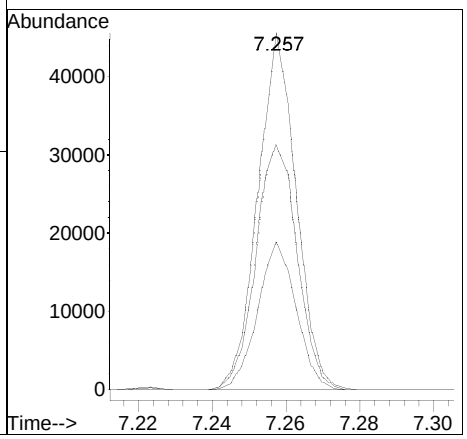


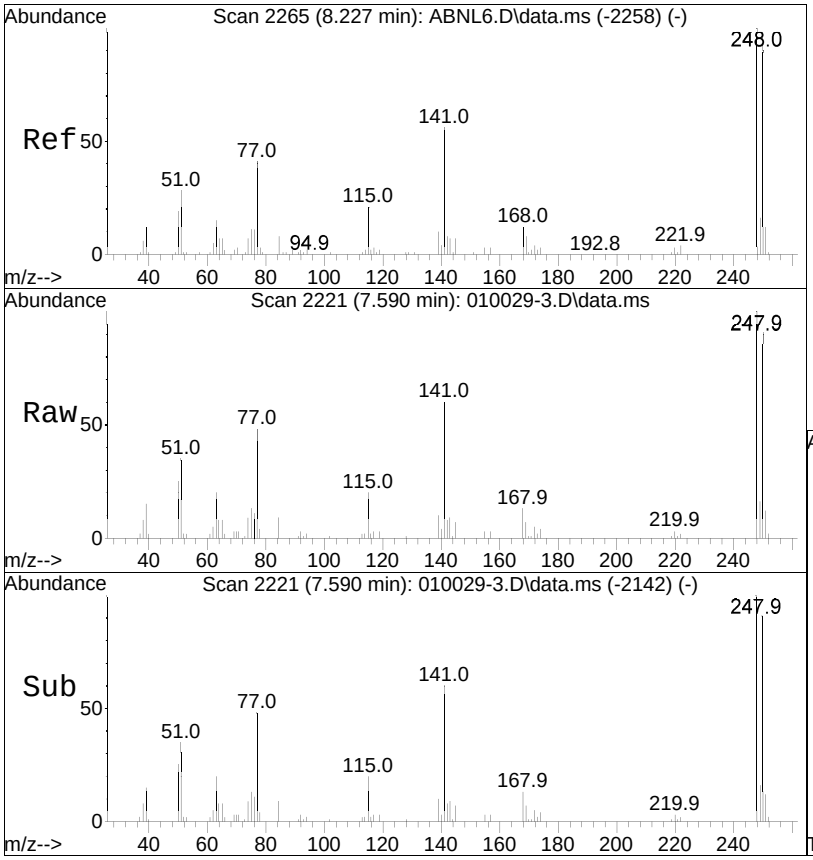


#79
NDPA/DPA
Concen: 1.46 ug/ml
RT: 7.257 min Scan# 2114
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:169 Resp: 32792

Ion	Ratio	Lower	Upper
169	100		
168	74.2	54.0	81.0
167	41.8	28.6	42.8

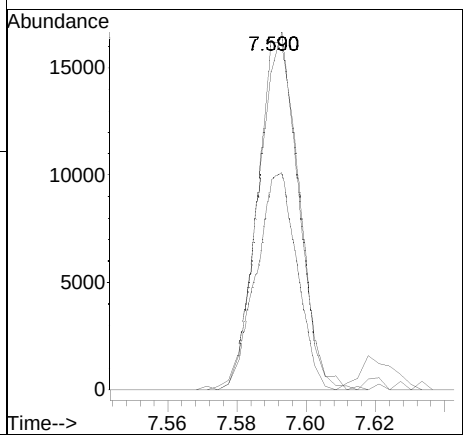


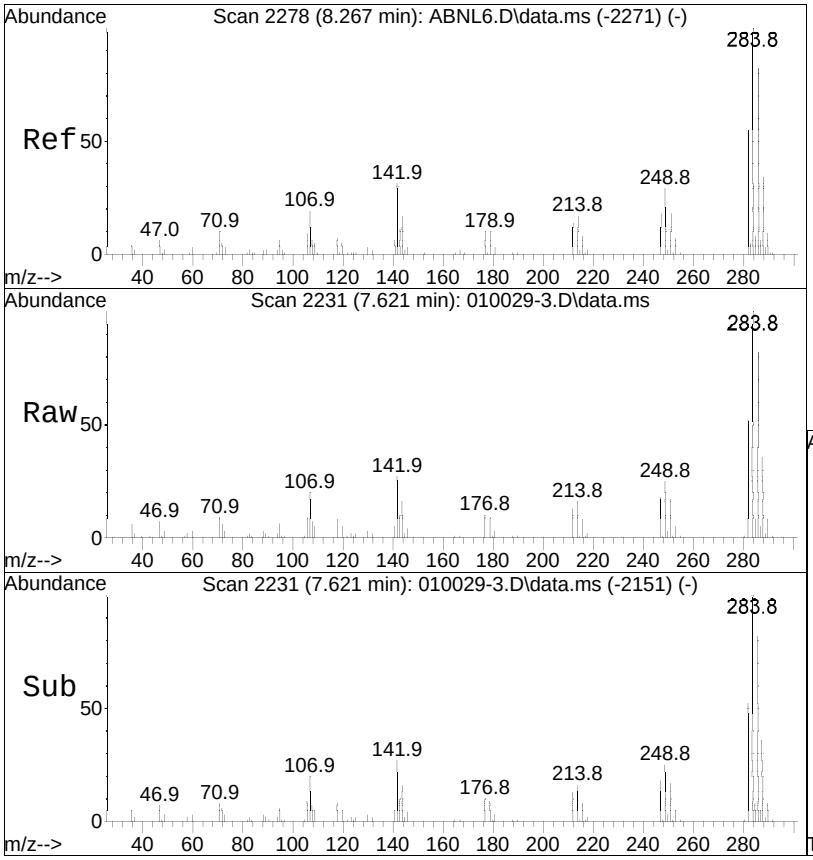


#82
4-Bromophenyl phenyl ether
Concen: 1.55 ug/ml
RT: 7.590 min Scan# 2221
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:248 Resp: 13609

Ion	Ratio	Lower	Upper
248	100		
141	60.7	76.6	114.8#
250	96.8	77.3	115.9

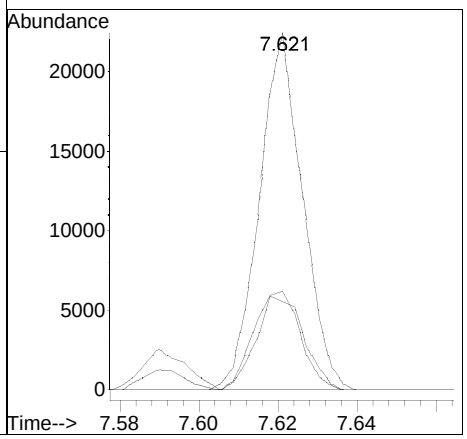


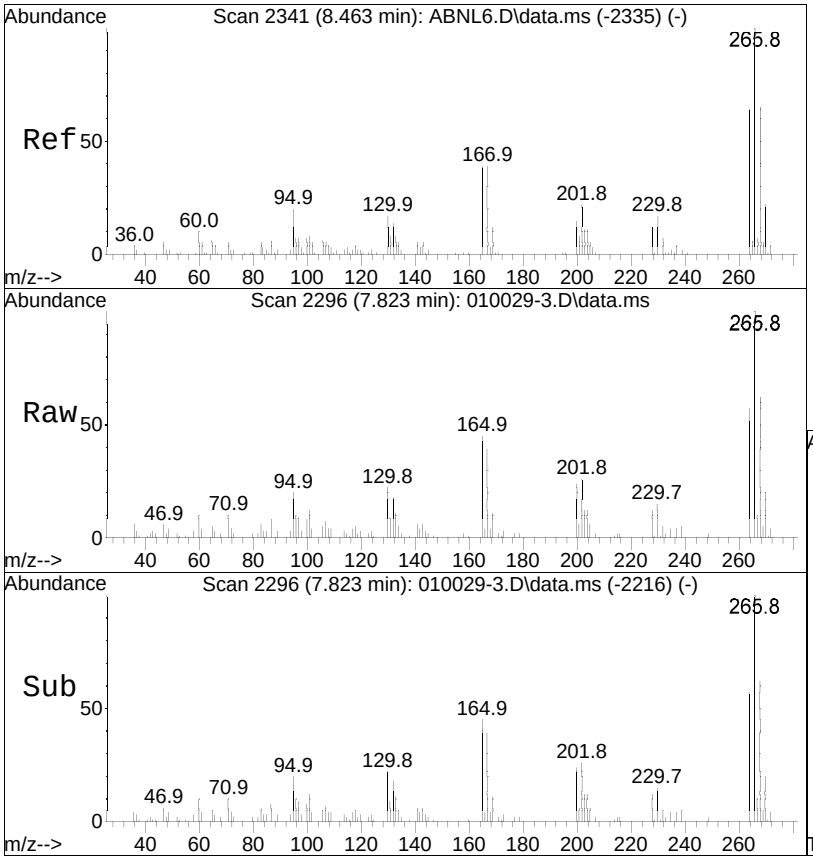


#83
Hexachlorobenzene
Concen: 1.54 ug/ml
RT: 7.621 min Scan# 2231
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:284 Resp: 17001

Ion	Ratio	Lower	Upper
284	100		
142	30.0	41.9	62.9#
249	29.0	24.1	36.1

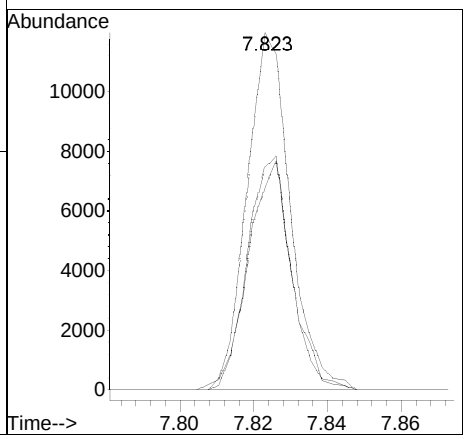


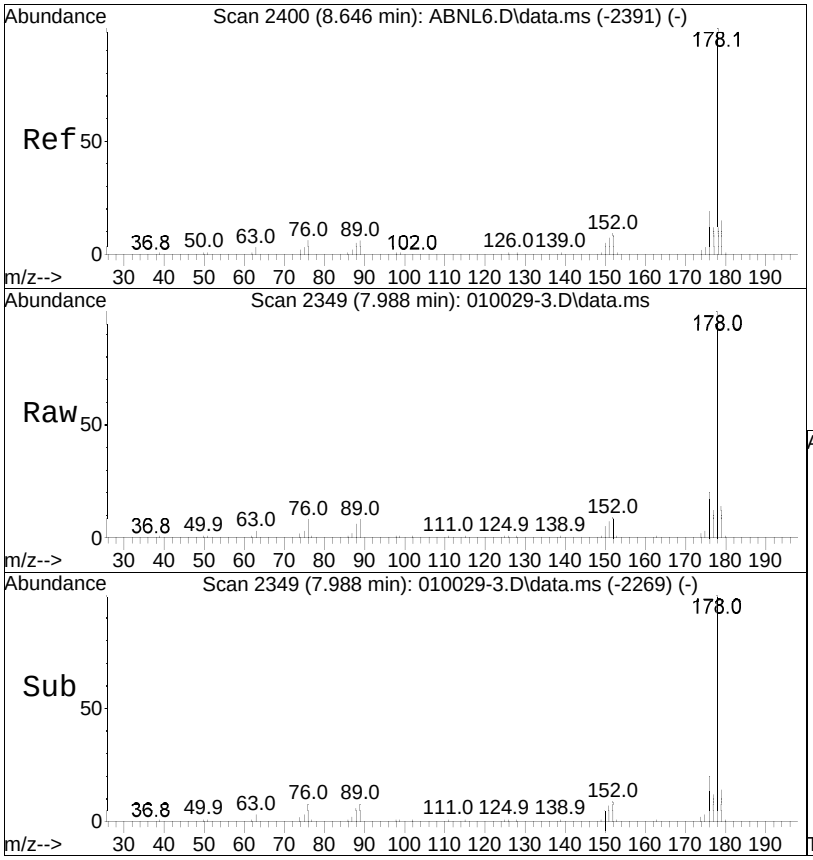


#84
Pentachlorophenol
Concen: 1.63 ug/ml
RT: 7.823 min Scan# 2296
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:266 Resp: 9743

Ion	Ratio	Lower	Upper
266	100		
264	64.0	49.7	74.5
268	66.7	50.5	75.7

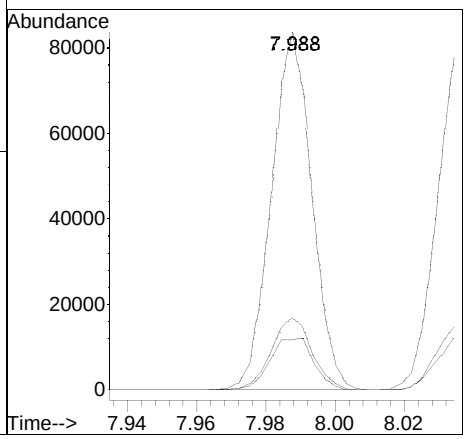


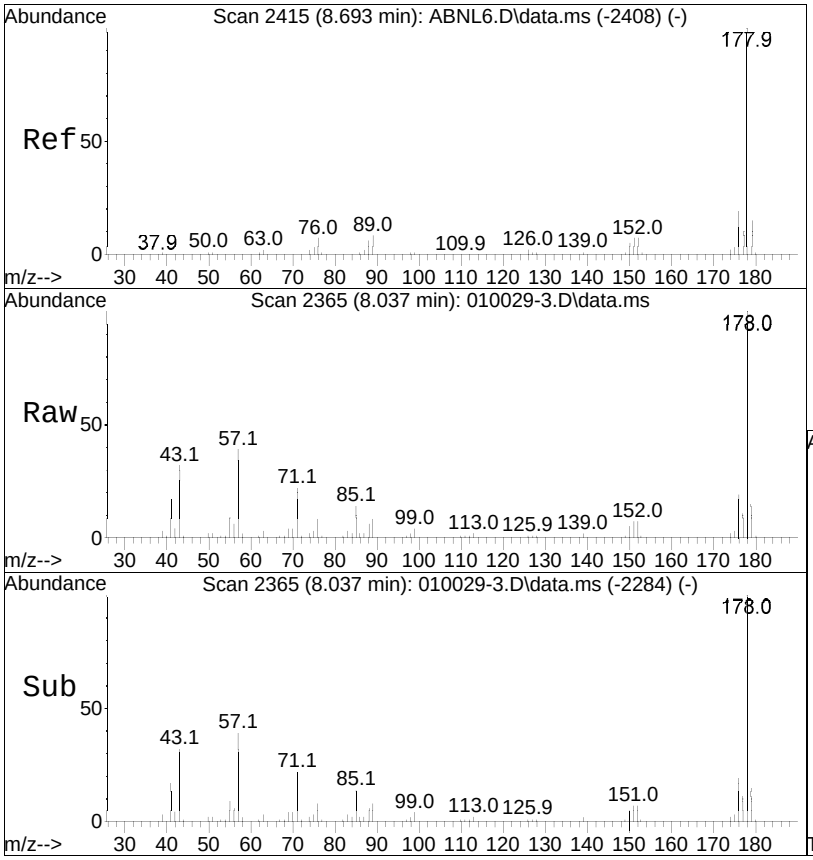


#91
Phenanthrene
Concen: 1.59 ug/ml
RT: 7.988 min Scan# 2349
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:178 Resp: 67848

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	20.3	15.4	23.2

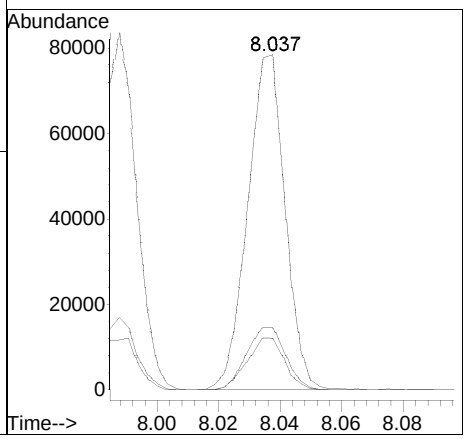


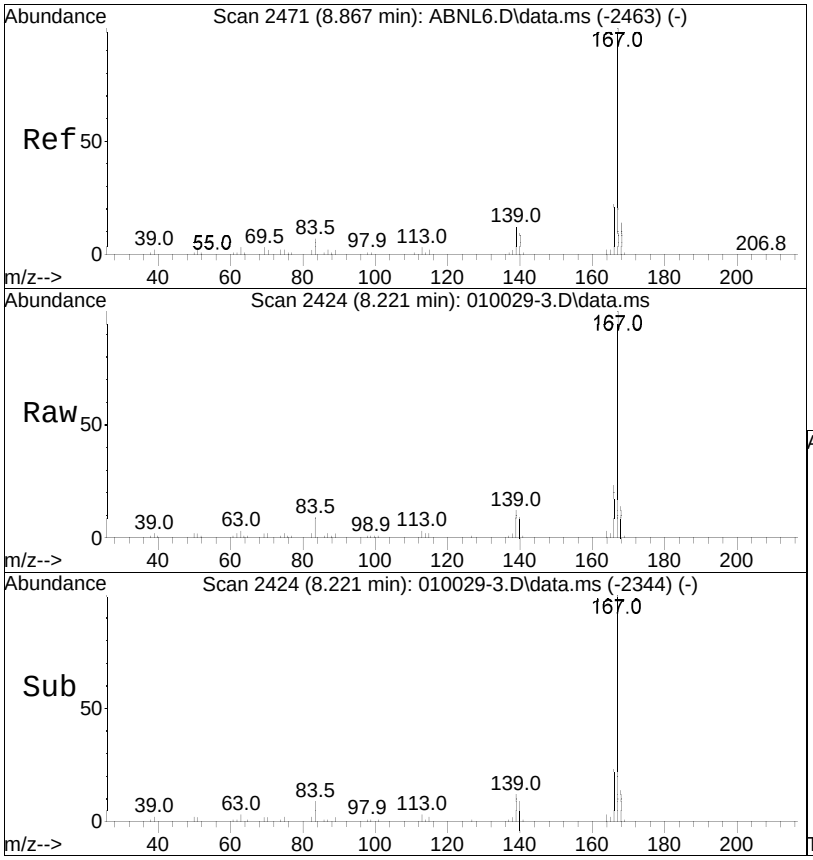


#92
Anthracene
Concen: 1.58 ug/ml
RT: 8.037 min Scan# 2365
Delta R.T. 0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:178 Resp: 66309

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.0	18.0
176	19.7	14.6	22.0

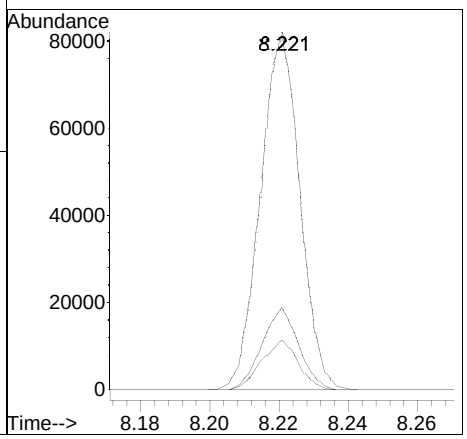


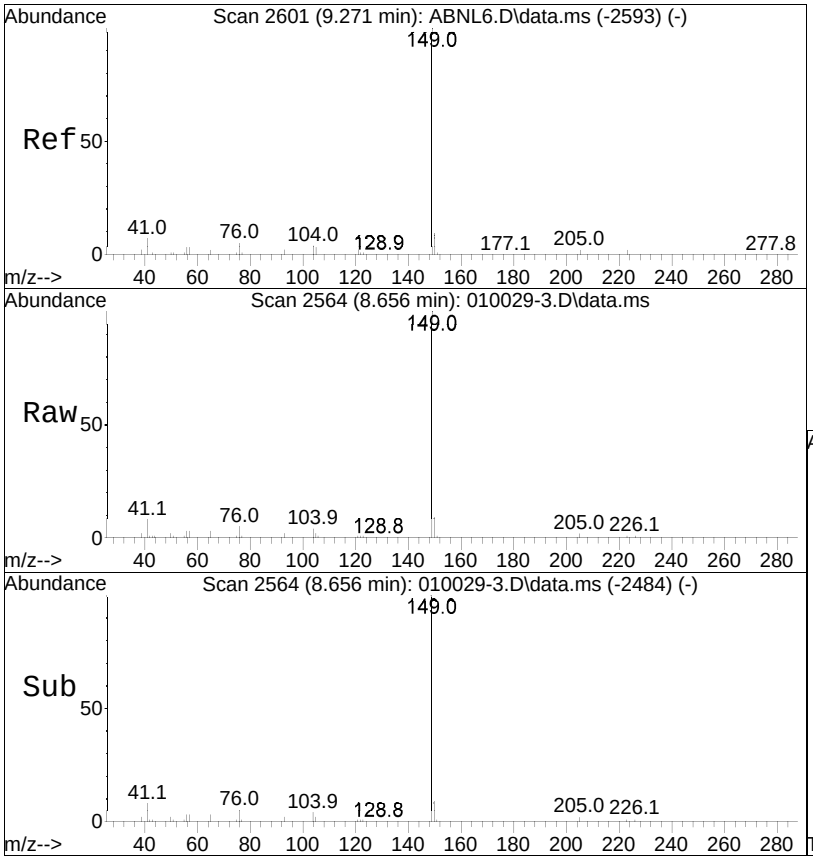


#93
Carbazole
Concen: 1.67 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. -0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:167 Resp: 64118

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.6	15.8
166	21.5	17.4	26.0

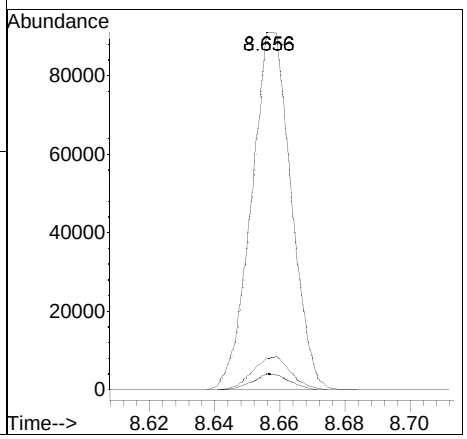


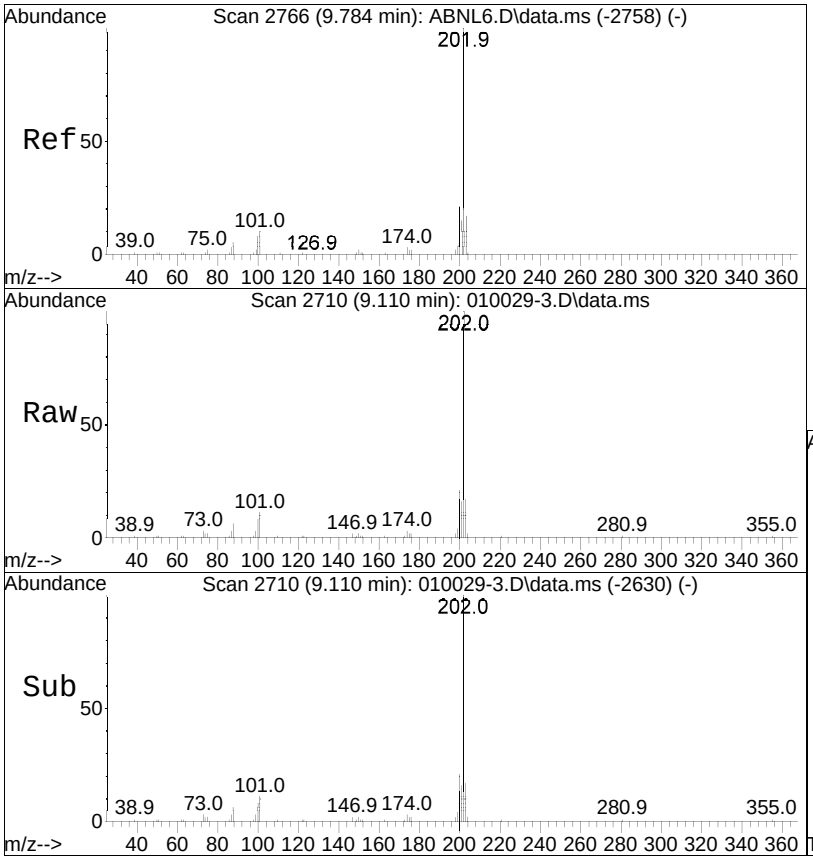


#94
Di-n-butylphthalate
Concen: 1.74 ug/ml
RT: 8.656 min Scan# 2564
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:149 Resp: 75964

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.2	4.5	6.7#

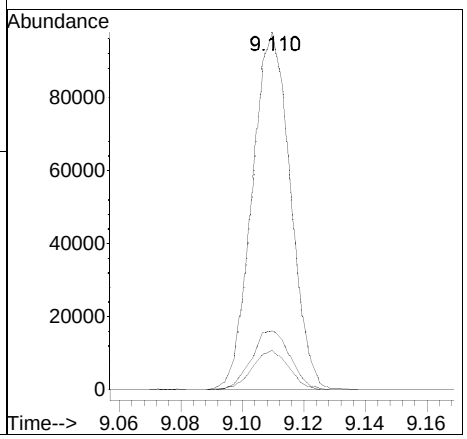


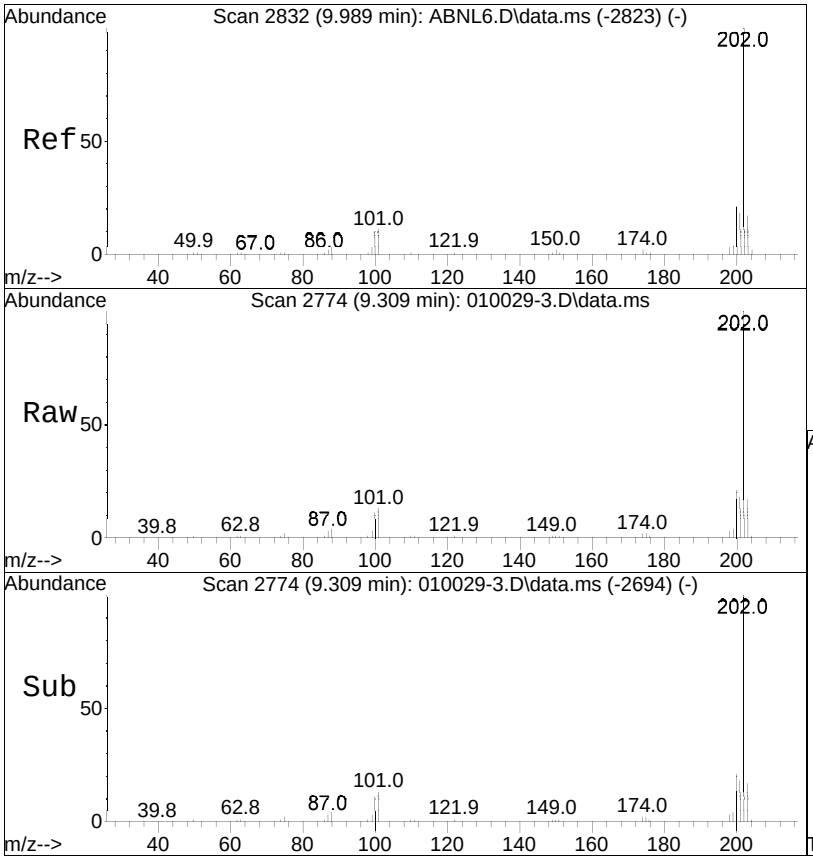


#95
Fluoranthene
Concen: 1.62 ug/ml
RT: 9.110 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:202 Resp: 83555

Ion	Ratio	Lower	Upper
202	100		
101	10.8	13.5	20.3#
203	16.8	13.6	20.4

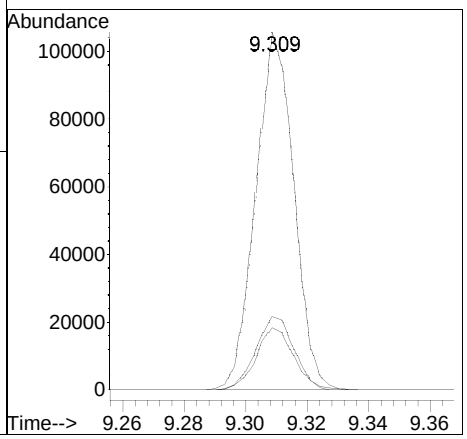


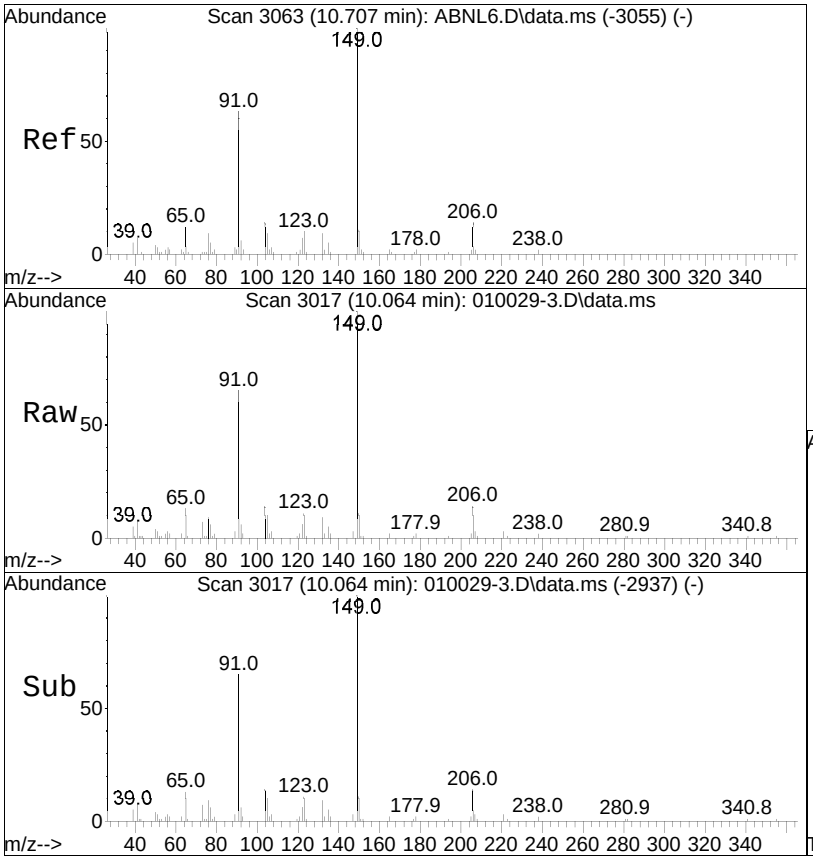


#97
Pyrene
Concen: 1.64 ug/ml
RT: 9.309 min Scan# 2774
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:202 Resp: 90150

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.4	14.2	21.4

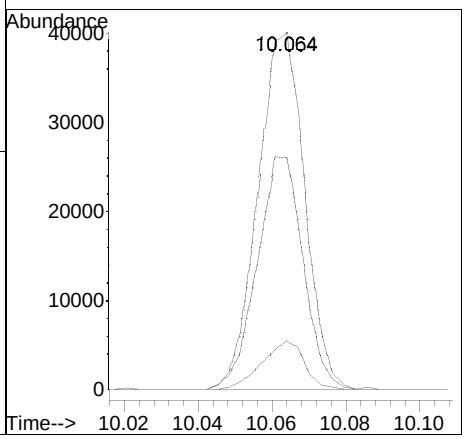


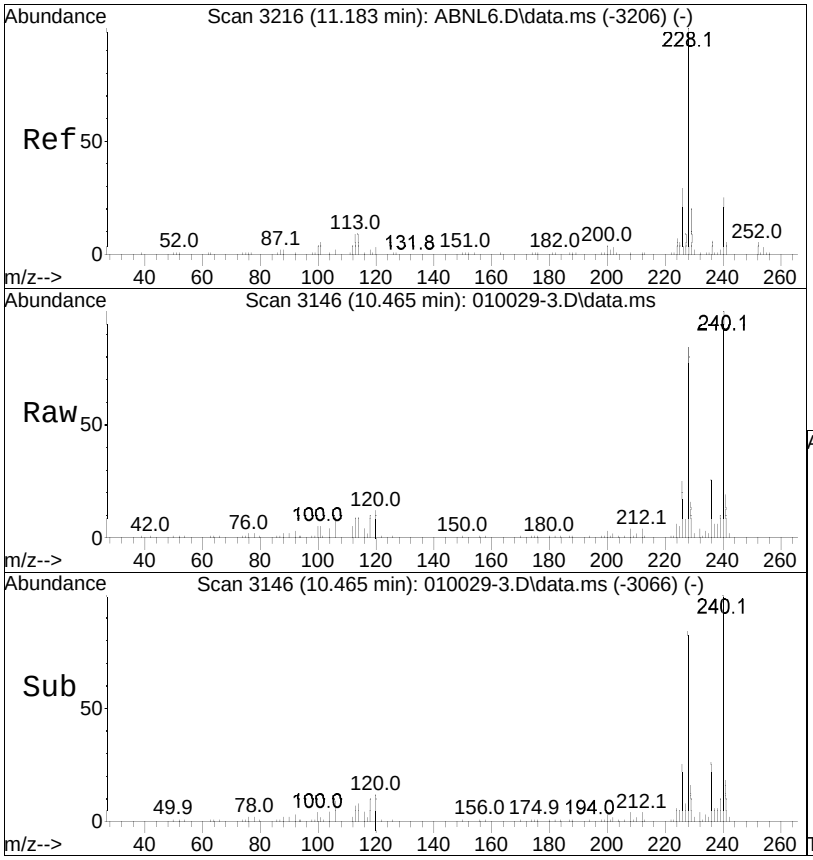


#99
Butyl benzyl phthalate
Concen: 1.87 ug/ml
RT: 10.064 min Scan# 3017
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:149 Resp: 34939

Ion	Ratio	Lower	Upper
149	100		
91	64.2	63.3	94.9
206	12.5	13.9	20.9#

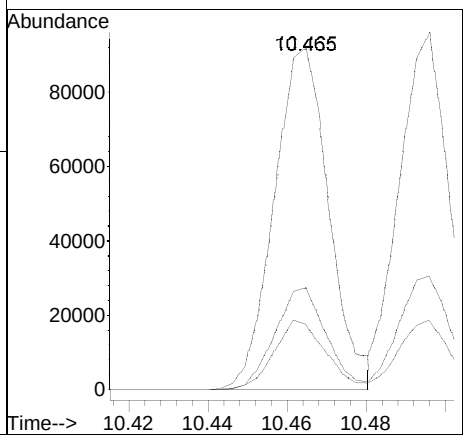


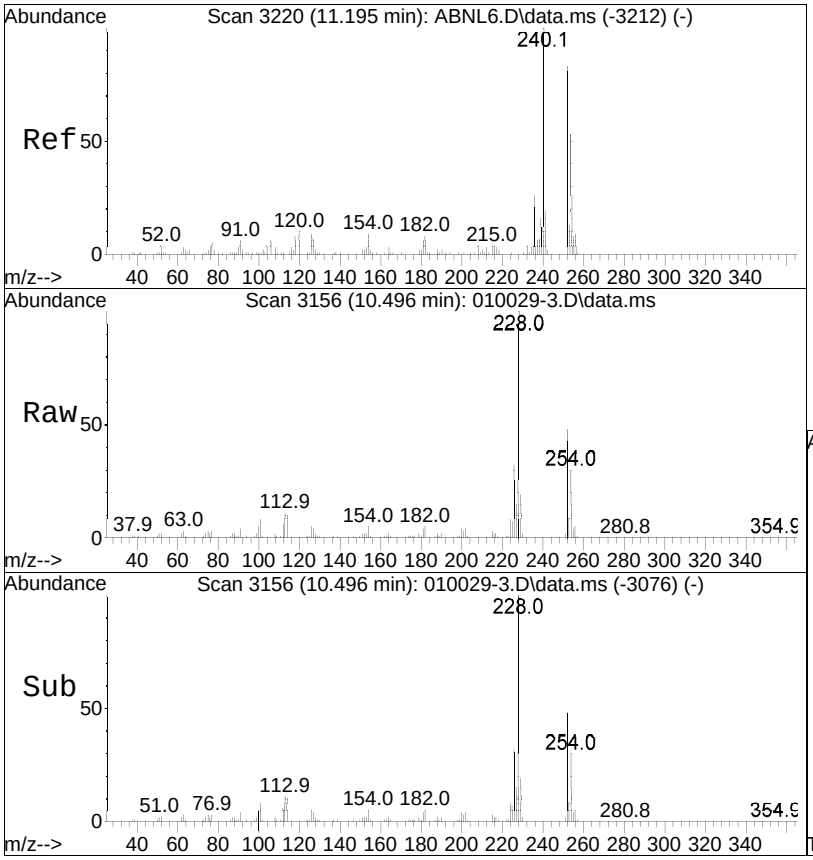


#107
Benzo(a)anthracene
Concen: 1.62 ug/ml
RT: 10.465 min Scan# 3146
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:228 Resp: 88550

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	19.3	15.6	23.4

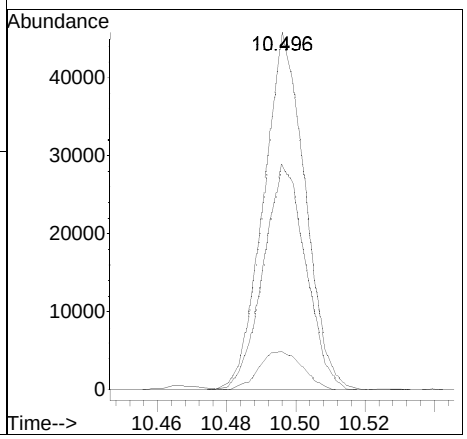


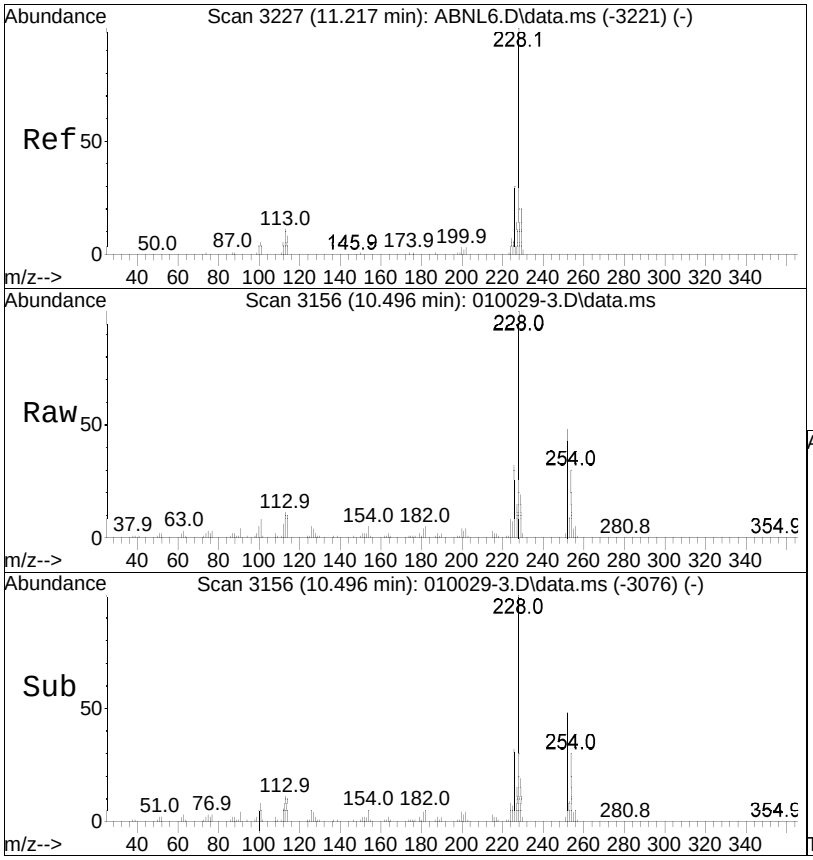


#108
3,3'-Dichlorobenzidine
Concen: 1.87 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:252 Resp: 38043

Ion	Ratio	Lower	Upper
252	100		
126	11.5	14.5	21.7#
254	64.6	51.2	76.8

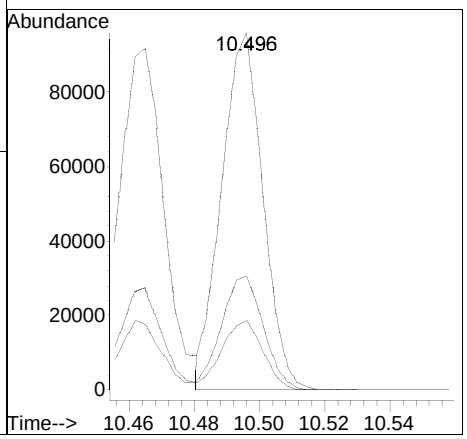


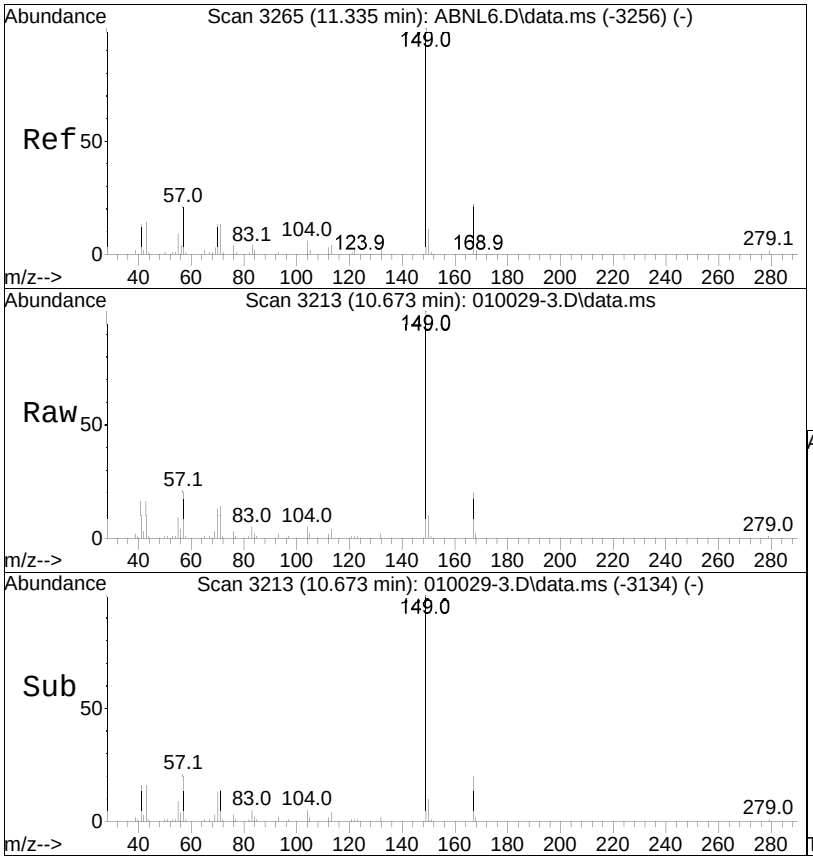


#109
Chrysene
Concen: 1.55 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:228 Resp: 84478

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	19.5	15.8	23.8

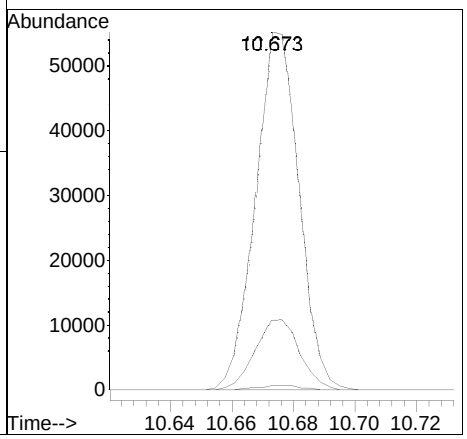


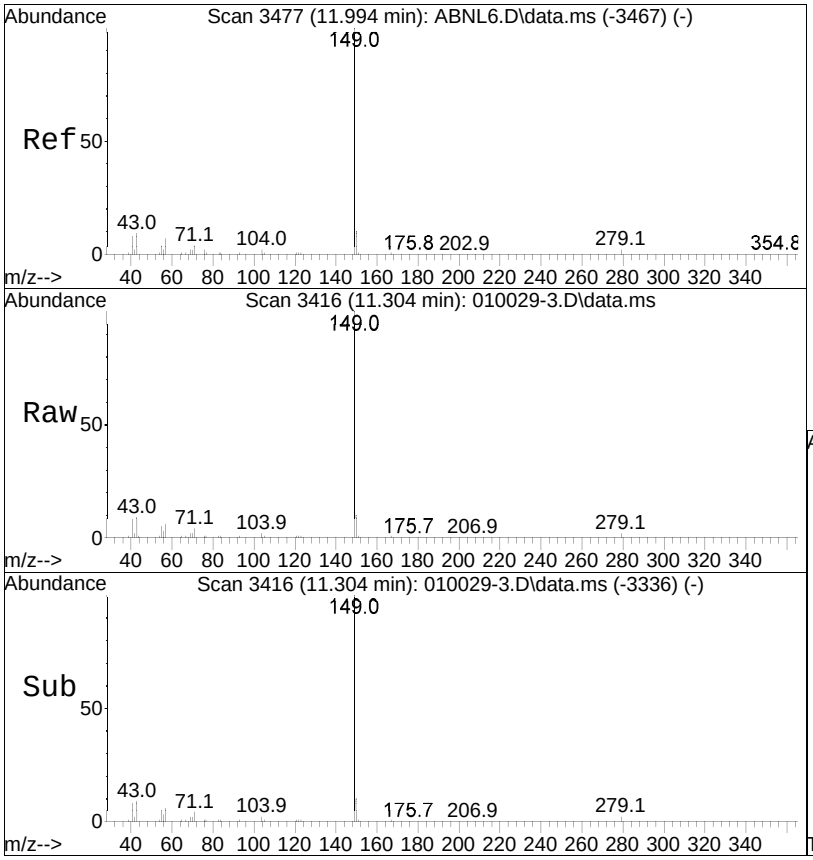


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.83 ug/ml
RT: 10.673 min Scan# 3213
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:149 Resp: 53628

Ion	Ratio	Lower	Upper
149	100		
167	20.3	22.1	33.1#
279	1.2	3.0	4.4#

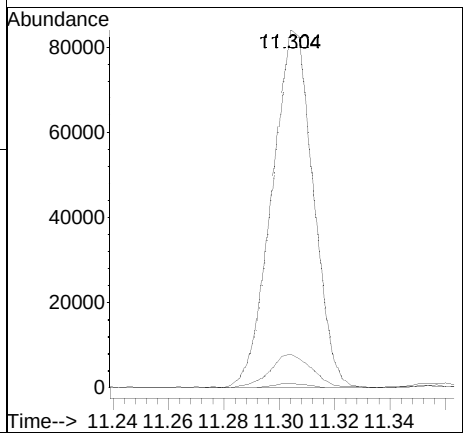


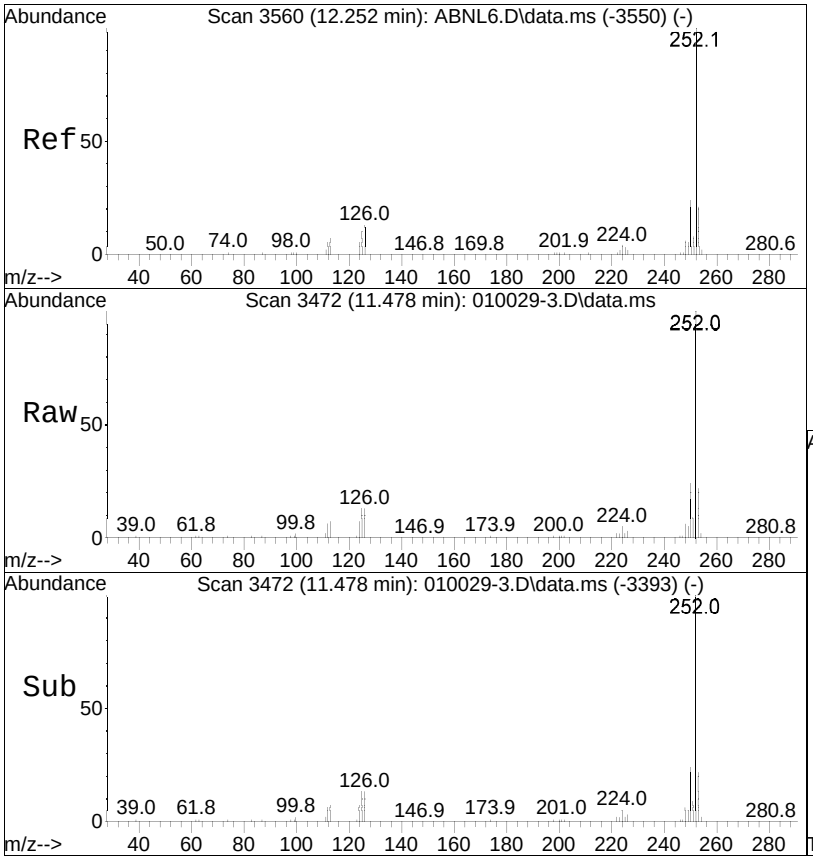


#111
Di-n-octylphthalate
Concen: 1.77 ug/ml
RT: 11.304 min Scan# 3416
Delta R.T. 0.000 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:149 Resp: 86252

Ion	Ratio	Lower	Upper
149	100		
43	9.7	18.8	28.2#
167	1.0	1.3	1.9#

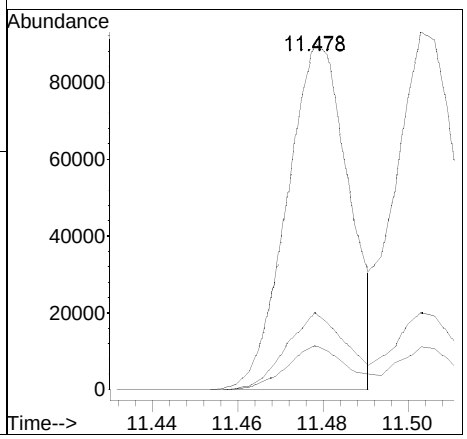


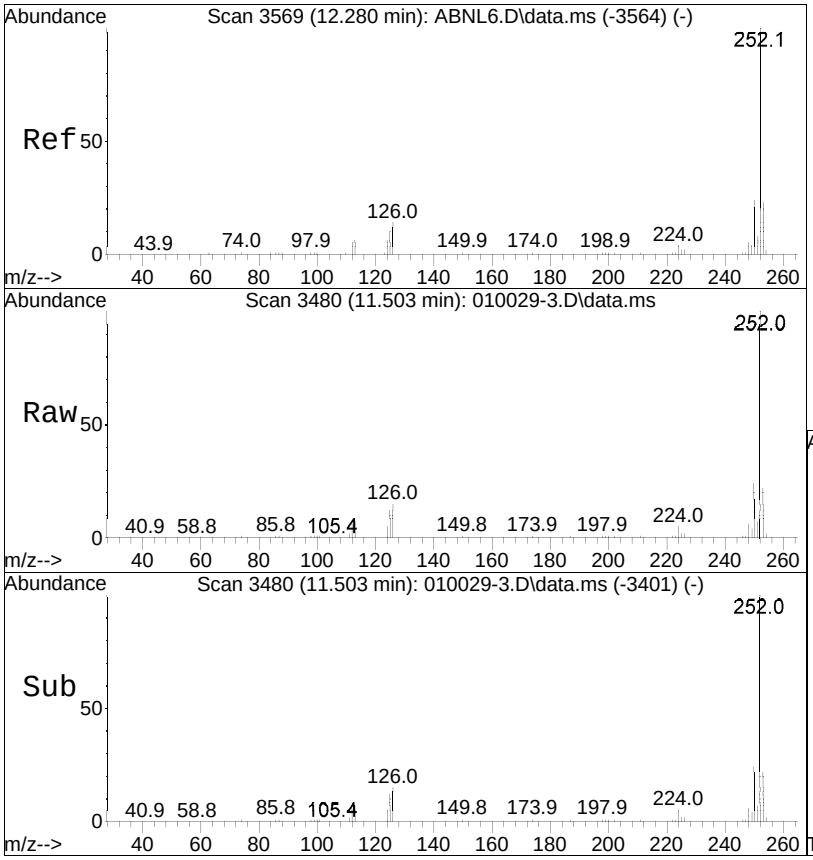


#112
Benzo(b)fluoranthene
Concen: 1.60 ug/ml
RT: 11.478 min Scan# 3472
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:252 Resp: 91693

Ion	Ratio	Lower	Upper
252	100		
125	13.0	13.3	19.9#
253	21.6	17.1	25.7

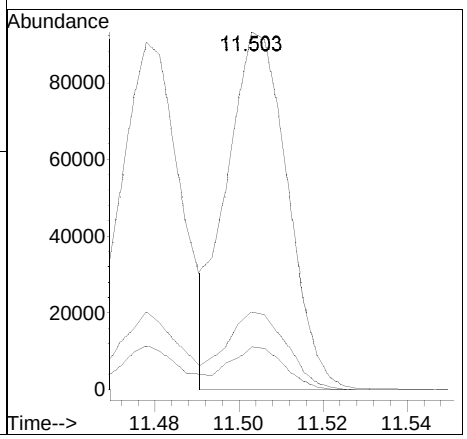


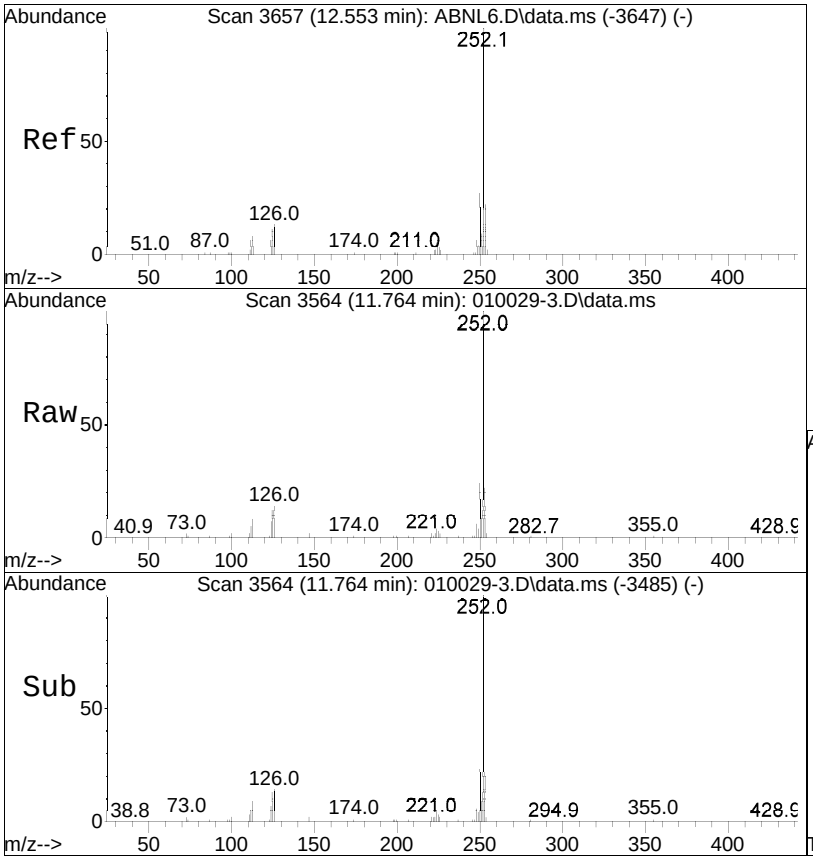


#113
Benzo(k)fluoranthene
Concen: 1.68 ug/ml M3
RT: 11.503 min Scan# 3480
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:252 Resp: 93637

Ion	Ratio	Lower	Upper
252	100		
125	17.1	13.0	19.6
253	21.1	16.8	25.2

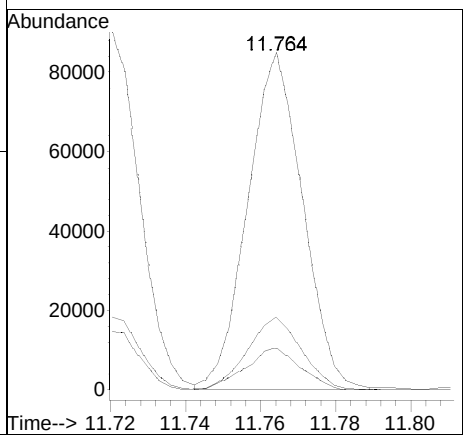


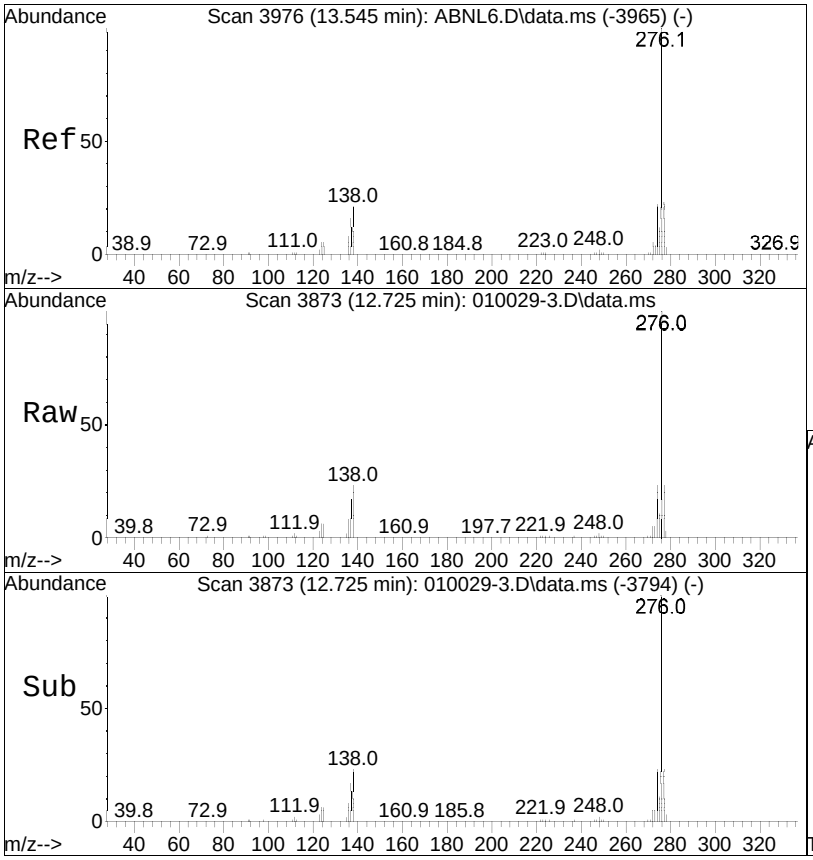


#114
Benzo(a)pyrene
Concen: 1.69 ug/ml M3
RT: 11.764 min Scan# 3564
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:252 Resp: 86513

Ion	Ratio	Lower	Upper
252	100		
125	18.5	14.2	21.2
253	22.9	16.9	25.3

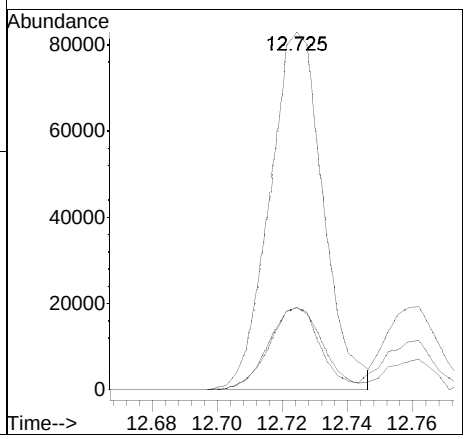


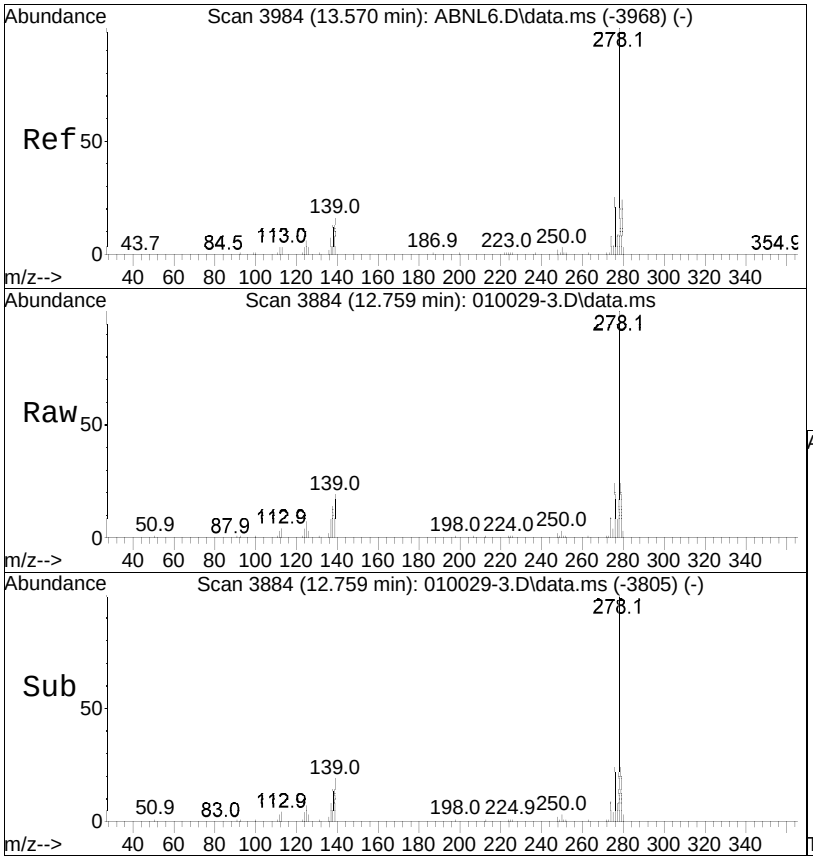


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.57 ug/mL
RT: 12.725 min Scan# 3873
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:276 Resp: 93845

Ion	Ratio	Lower	Upper
276	100		
138	22.7	25.1	37.7#
277	23.3	18.6	28.0

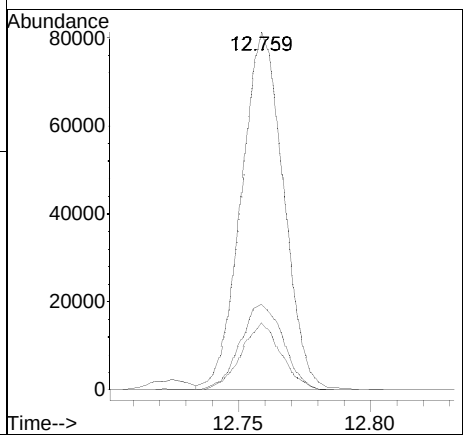


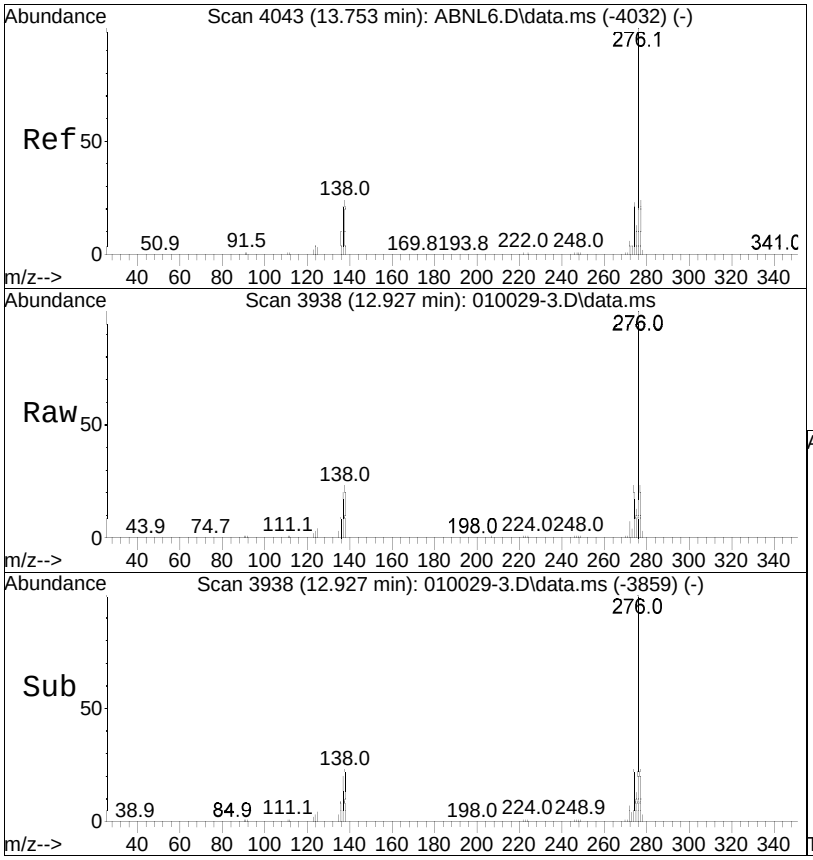


#117
Dibenzo(a,h)anthracene
Concen: 1.53 ug/ml
RT: 12.759 min Scan# 3884
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:278 Resp: 89774

Ion	Ratio	Lower	Upper
278	100		
139	17.8	20.8	31.2#
279	24.5	18.3	27.5

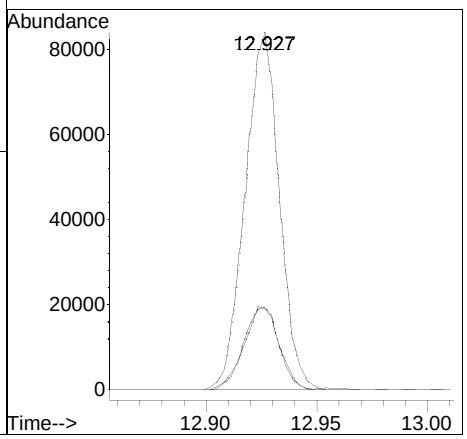




#118
Benzo(ghi)perylene
Concen: 1.56 ug/ml
RT: 12.927 min Scan# 3938
Delta R.T. -0.003 min
Lab File: 010029-3.D
Acq: 17 Dec 2024 11:16 pm

Tgt Ion:276 Resp: 89819

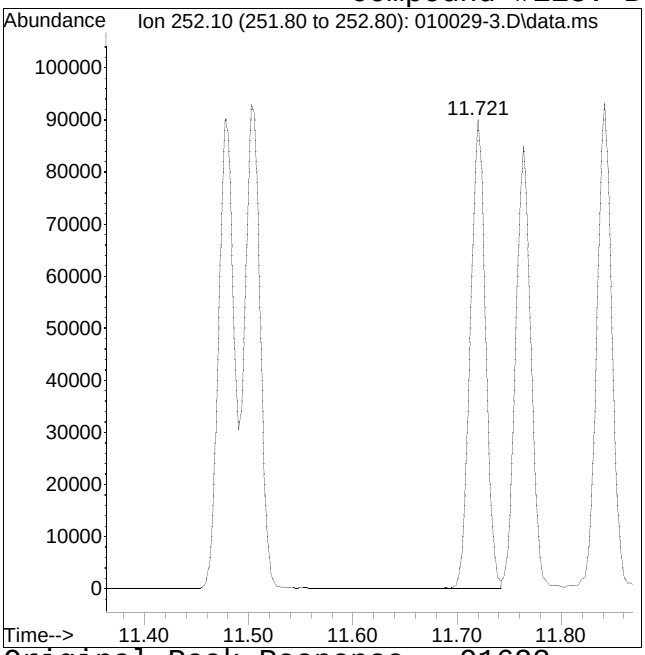
Ion	Ratio	Lower	Upper
276	100		
138	24.1	29.2	43.8#
277	23.7	18.8	28.2

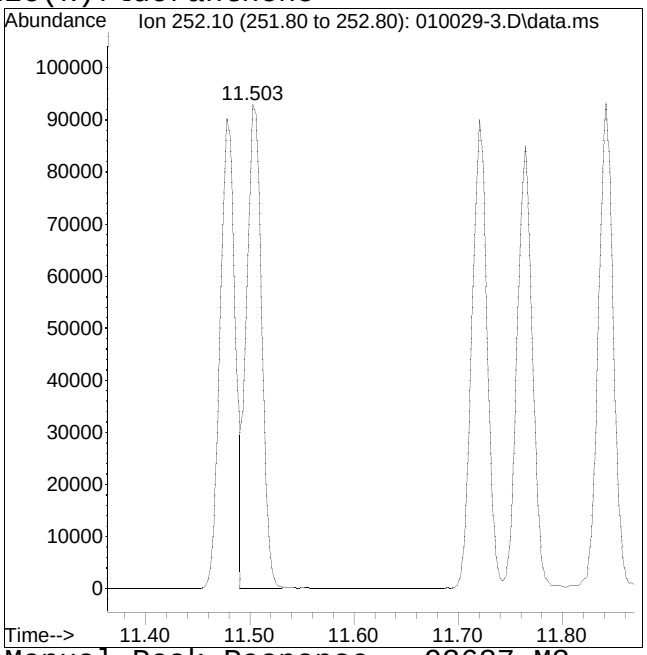


Manual Integration Report

Data Path : I:\8270\Dakota\241217RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 010029-3.D Operator : Dakota:smz
Date Inj'd : 12/17/2024 11:16 pm Instrument : Dakota
Sample : WG2010029-3,32,,ASK Quant Date : 12/17/2024 11:34 pm

Compound #113: Benzo(k)fluoranthene



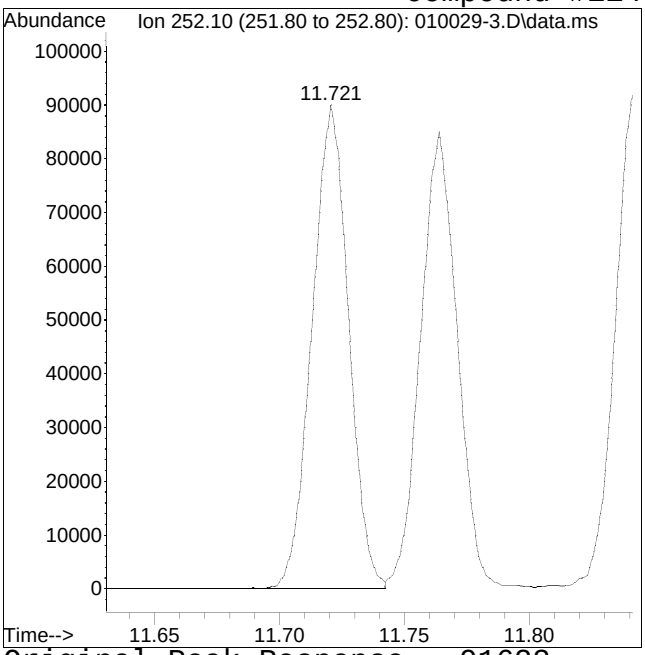


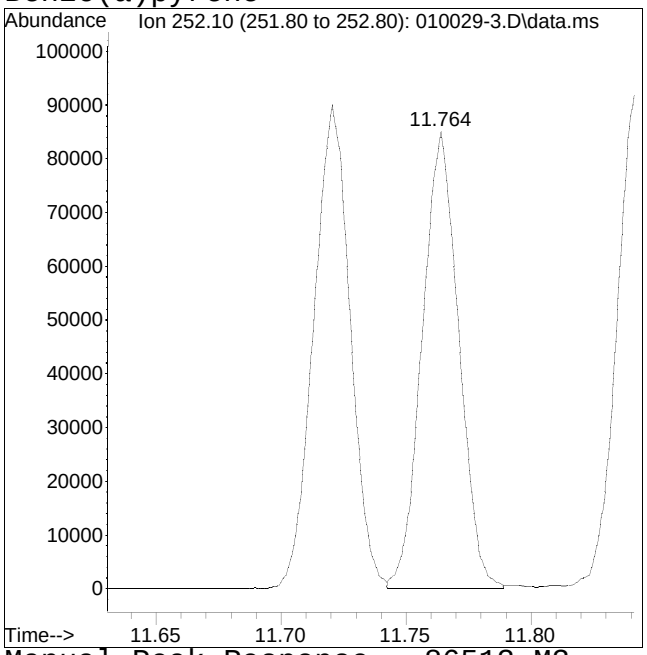
Original Peak Response = 91622 Manual Peak Response = 93637 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241217RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 010029-3.D Operator : Dakota:smz
Date Inj'd : 12/17/2024 11:16 pm Instrument : Dakota
Sample : WG2010029-3,32,,ASK Quant Date : 12/17/2024 11:34 pm

Compound #114: Benzo(a)pyrene





Original Peak Response = 91622 Manual Peak Response = 86513 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-3.D
Acq On : 19 Dec 2024 1:29 am
Operator : SV106:im
Sample : WG2010761-3,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:14:14 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.640	152	66163	4.000	ug/ml	0.00
Standard Area 1 = 49612			Recovery = 133.36%			
27) IS2_1,4-Dichlorobenzen...	6.640	152	66163	4.000	ug/ml	0.00
Standard Area 3 = 57665			Recovery = 114.74%			
32) IS3_1,4-Dichlorobenzen...	6.640	152	66163	4.000	ug/ml	0.00
Standard Area 2 = 50150			Recovery = 131.93%			
35) IS1_Naphthalene-d8	8.045	136	253842	4.000	ug/ml	0.00
Standard Area 1 = 183058			Recovery = 138.67%			
55) IS2_Naphthalene-d8	8.045	136	253842	4.000	ug/ml	0.00
Standard Area 3 = 207211			Recovery = 122.50%			
63) IS1_Acenaphthene-d10	9.804	164	151670	4.000	ug/ml	0.00
Standard Area 1 = 122903			Recovery = 123.41%			
83) IS2_Acenaphthene-d10	9.804	164	151670	4.000	ug/ml	0.00
Standard Area 3 = 120872			Recovery = 125.48%			
86) IS3_Acenaphthene-d10	9.804	164	151670	4.000	ug/ml	0.00
Standard Area 2 = 113815			Recovery = 133.26%			
88) IS1_Phenanthrene-d10	11.245	188	300974	4.000	ug/ml	0.00
Standard Area 1 = 229574			Recovery = 131.10%			
100) IS3_Phenanthrene-d10	11.245	188	300974	4.000	ug/ml	0.00
Standard Area 2 = 236979			Recovery = 127.00%			
104) IS1_Chrysene-d12	13.904	240	322707	4.000	ug/ml	0.00
Standard Area 1 = 264435			Recovery = 122.04%			
113) IS1_Perylene-d12	15.380	264	369436	4.000	ug/ml	0.00
Standard Area 1 = 304444			Recovery = 121.35%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.846	112	15389	0.748	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.40%			
7) Phenol-d6	6.269	99	13316	0.537	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.85%			
19) Nitrobenzene-d5	7.287	82	10579	0.471	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.10%			
46) 2-Fluorobiphenyl	9.163	172	28593	0.487	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 48.70%			
79) 2,4,6-Tribromophenol	10.575	330	10162	1.184	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.20%			

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-3.D
Acq On : 19 Dec 2024 1:29 am
Operator : SV106:im
Sample : WG2010761-3,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:14:14 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.833	244	44547	0.552	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 55.20%

Target Compounds						Qvalue
6) 2-Chlorophenol	6.387	128	22479	0.995	ug/ml#	85
8) Phenol	6.281	94	14988	0.583	ug/ml	96
9) Bis(2-chloroethyl)ether	6.363	93	19470	0.919	ug/ml	90
10) 1,3-Dichlorobenzene	6.569	146	23624	0.856	ug/ml	97
11) 1,4-Dichlorobenzene	6.657	146	23916	0.851	ug/ml	97
12) 1,2-Dichlorobenzene	6.834	146	23160	0.859	ug/ml	99
13) Benzyl alcohol	6.840	79	16703	0.953	ug/ml	98
14) Bis(2-chloroisopropyl)...	7.010	45	22044	0.662	ug/ml#	29
15) 2-Methylphenol	7.004	108	17181	0.925	ug/ml	98
16) Hexachloroethane	7.222	117	8379	0.825	ug/ml#	62
17) n-Nitrosodi-n-propylamine	7.157	70	14852	0.955	ug/ml	98
18) 3-Methylphenol/4-Methy...	7.187	108	18017	0.889	ug/ml	96
20) Nitrobenzene	7.304	77	20446	0.890	ug/ml	91
21) Isophorone	7.581	82	39476	0.988	ug/ml#	99
22) 2-Nitrophenol	7.657	139	12734	1.080	ug/ml#	85
23) 2,4-Dimethylphenol	7.751	107	11608	0.627	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.845	93	26638	0.998	ug/ml	97
25) 2,4-Dichlorophenol	7.916	162	21753	1.052	ug/ml#	95
26) 1,2,4-Trichlorobenzene	7.998	180	21254	0.887	ug/ml	98
29) Acetophenone	7.128	105	34304	1.134	ug/ml#	82
36) Naphthalene	8.069	128	65199	0.910	ug/ml	100
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	8.145	65	4625	0.575	ug/ml	86
39) Hexachlorobutadiene	8.234	225	12467	0.823	ug/ml	97
40) p-Chloro-m-cresol	8.663	107	20143	1.071	ug/ml	95
41) 2-Methylnaphthalene	8.781	142	45715	0.957	ug/ml	98
43) Hexachlorocyclopentadiene	8.957	237	8386	0.505	ug/ml	94
44) 2,4,6-Trichlorophenol	9.075	196	17928	1.027	ug/ml	97
45) 2,4,5-Trichlorophenol	9.104	196	19474	1.077	ug/ml	99
47) 2-Chloronaphthalene	9.257	162	45983	0.924	ug/ml	98
48) 2-Nitroaniline	9.369	138	16362	1.155	ug/ml#	73
51) Dimethyl phthalate	9.575	163	64209	1.106	ug/ml#	97
52) Acenaphthylene	9.663	152	71067	0.957	ug/ml	99

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-3.D
Acq On : 19 Dec 2024 1:29 am
Operator : SV106:im
Sample : WG2010761-3,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:14:14 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	9.616	165	12586	1.067	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	8.957	216	24059	0.943	ug/ml	97
62) Biphenyl	9.251	154	58339	1.014	ug/ml	98
64) 3-Nitroaniline	9.775	138	13361	1.091	ug/ml#	82
65) Acenaphthene	9.839	154	42827	0.976	ug/ml	90
66) 2,4-Dinitrophenol	9.875	184	7390	1.958	ug/ml#	83
67) Dibenzofuran	10.010	168	71121	1.002	ug/ml	97
68) 2,4-Dinitrotoluene	10.004	165	18205	1.145	ug/ml#	81
69) 4-Nitrophenol	9.957	65	6421	0.709	ug/ml#	72
72) Diethyl phthalate	10.263	149	63094	1.096	ug/ml	100
73) Fluorene	10.339	166	57832	1.043	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.357	204	28154	0.990	ug/ml	91
75) 4-Nitroaniline	10.363	138	14057	1.128	ug/ml#	71
76) 4,6-Dinitro-o-cresol	10.398	198	10792	1.277	ug/ml#	58
77) NDPA/DPA	10.469	169	50066	1.047	ug/ml	97
80) 4-Bromophenyl phenyl e...	10.828	248	19241	1.092	ug/ml#	82
81) Hexachlorobenzene	10.880	284	22110	1.108	ug/ml#	80
82) Pentachlorophenol	11.075	266	13728	1.137	ug/ml	97
89) Phenanthrene	11.269	178	92175	1.044	ug/ml	99
90) Anthracene	11.316	178	91369	1.038	ug/ml	100
91) Carbazole	11.480	167	85561	1.079	ug/ml	99
92) Di-n-butylphthalate	11.869	149	108696	1.095	ug/ml	99
93) Fluoranthene	12.427	202	109986	1.080	ug/ml#	92
95) Pyrene	12.645	202	117080	1.090	ug/ml	100
97) Butyl benzyl phthalate	13.357	149	48596	1.165	ug/ml#	82
105) Benzo(a)anthracene	13.892	228	116837	1.050	ug/ml	99
106) 3,3'-Dichlorobenzidine	13.886	252	42613	1.166	ug/ml#	94
107) Chrysene	13.927	228	115007	1.077	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.998	149	75385	1.128	ug/ml	93
109) Di-n-octylphthalate	14.680	149	126649	1.143	ug/ml#	67
110) Benzo(b)fluoranthene	15.010	252	124930	1.164	ug/ml#	94
111) Benzo(k)fluoranthene	15.033	252	112696	1.127	ug/ml#	92
112) Benzo(a)pyrene	15.321	252	111029M3	1.192	ug/ml	
114) Indeno(1,2,3-cd)pyrene	16.392	276	130448M6	1.165	ug/mL	
115) Dibenzo(a,h)anthracene	16.415	278	124783	1.171	ug/ml#	90
116) Benzo(ghi)perylene	16.662	276	118354	1.187	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-3.D
Acq On : 19 Dec 2024 1:29 am
Operator : SV106:im
Sample : WG2010761-3,32,,ASK
Misc : WG2011026,WG2010761,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:14:14 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241218RVT\ABN1218.D
: 2 - I:\8270\SV106\241218RVT\ADP1218.D
: 3 - I:\8270\SV106\241218RVT\AP91218.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241218RVT\
Data File : 010761-3.D
Acq On : 19 Dec 2024 1:29 am
Operator : SV106:im
Sample : WG2010761-3,32,,ASK
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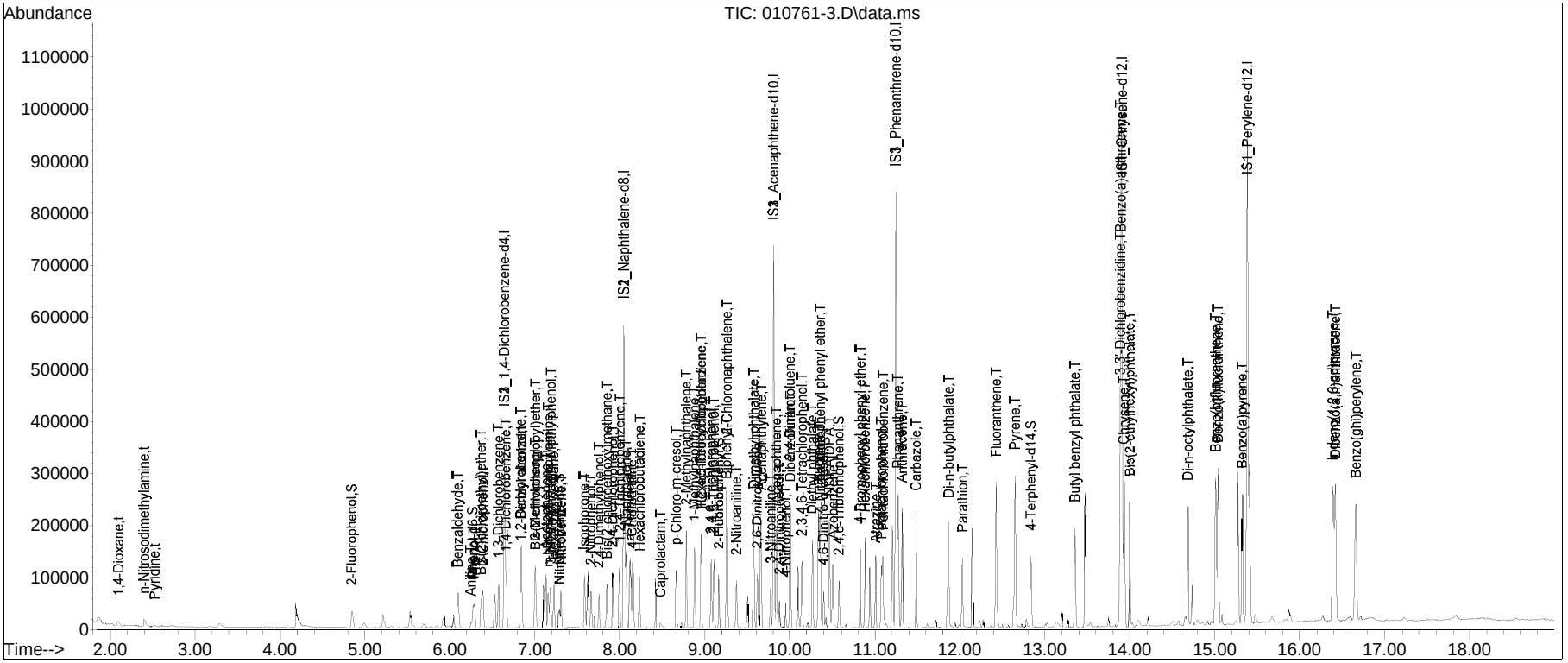
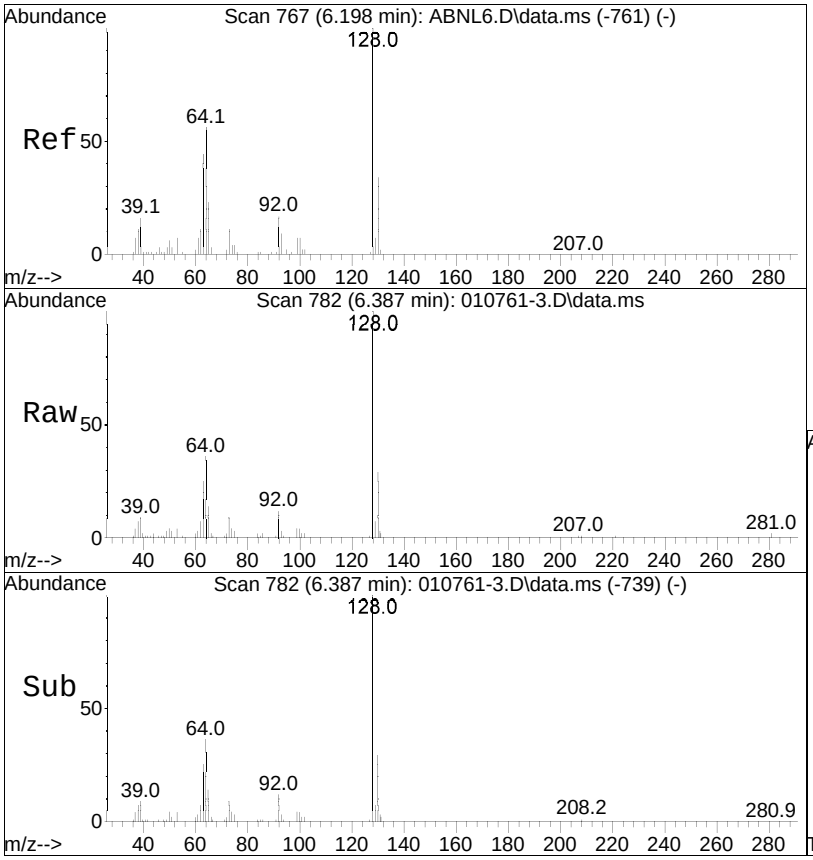
Quant Time: Dec 19 10:14:14 2024
Quant Method : I:\8270\SV106\241218RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 23:38:14 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91218.D•

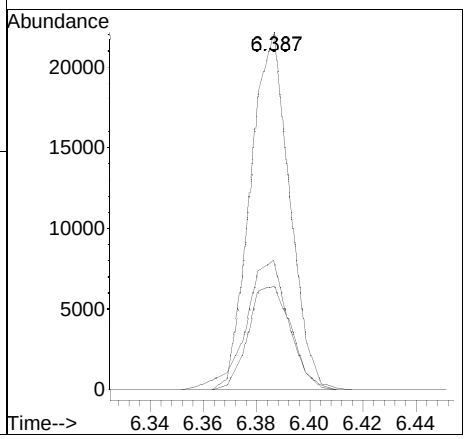


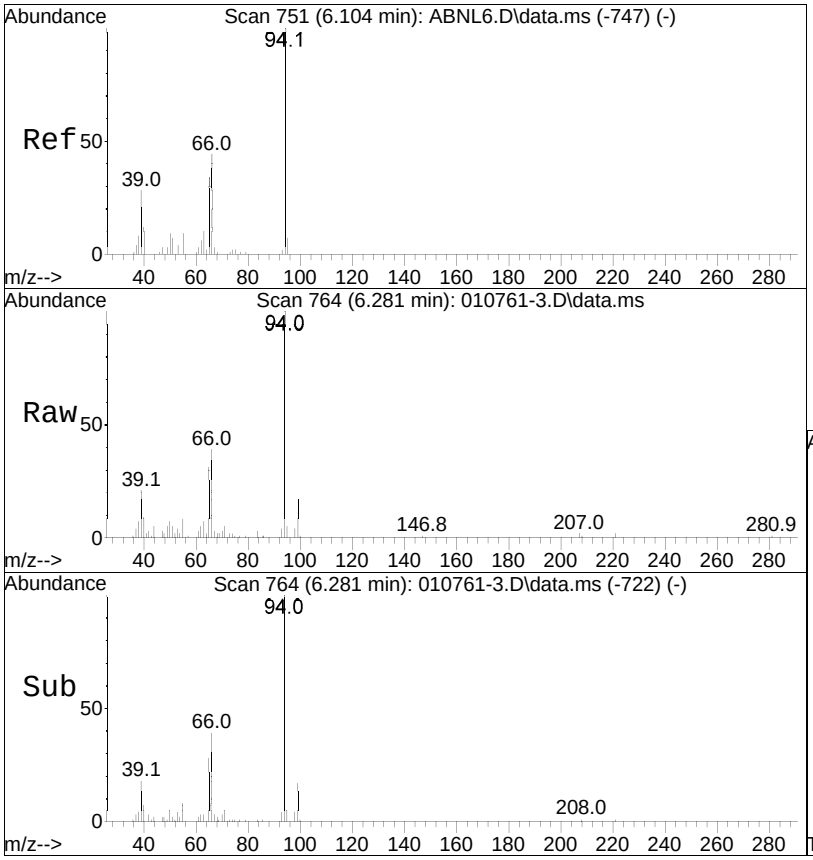


#6
2-Chlorophenol
Concen: 1.00 ug/ml
RT: 6.387 min Scan# 782
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:128 Resp: 22479

Ion	Ratio	Lower	Upper
128	100		
64	39.6	45.1	67.7#
130	32.2	26.2	39.4

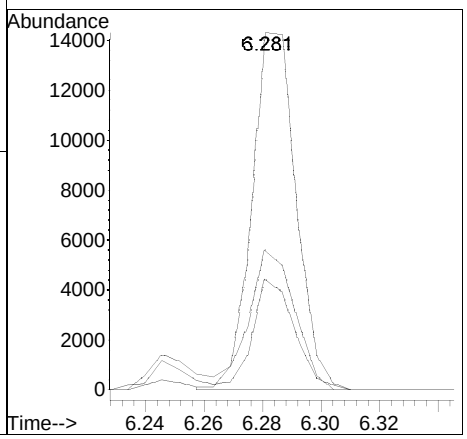


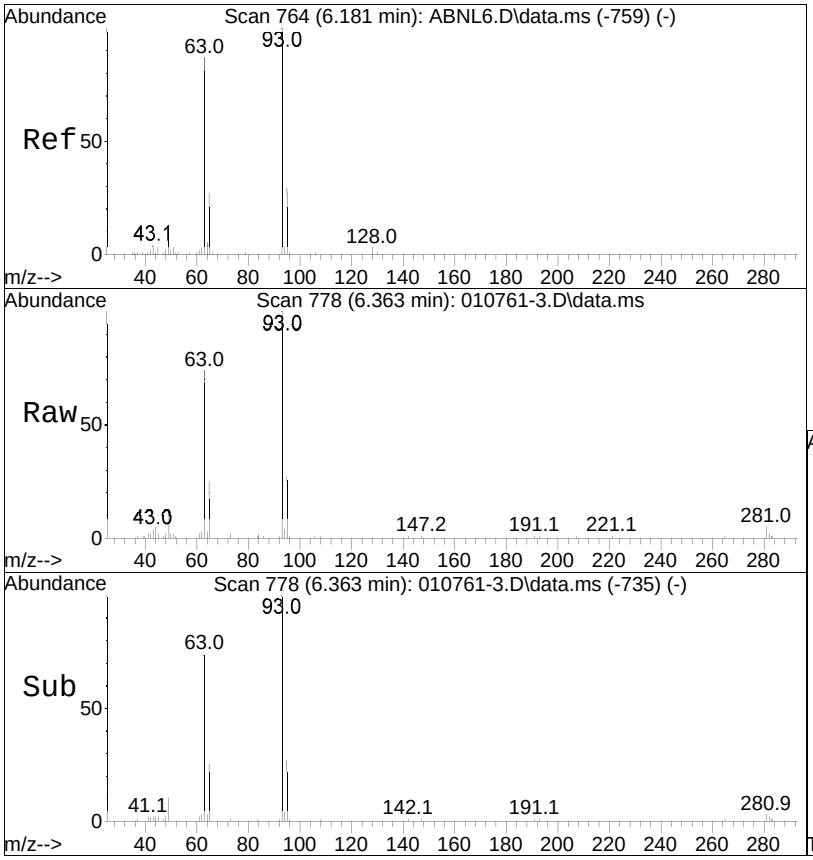


#8
Phenol
Concen: 0.58 ug/ml
RT: 6.281 min Scan# 764
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 94 Resp: 14988

Ion	Ratio	Lower	Upper
94	100		
65	29.8	26.0	39.0
66	40.6	33.8	50.8

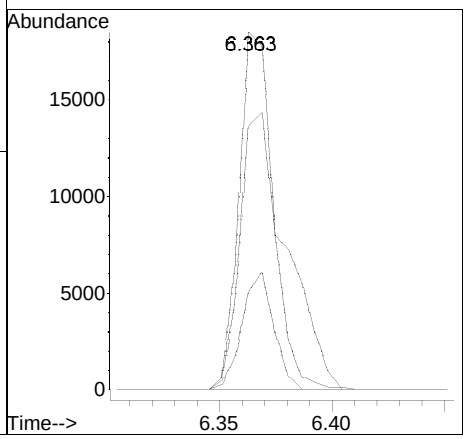


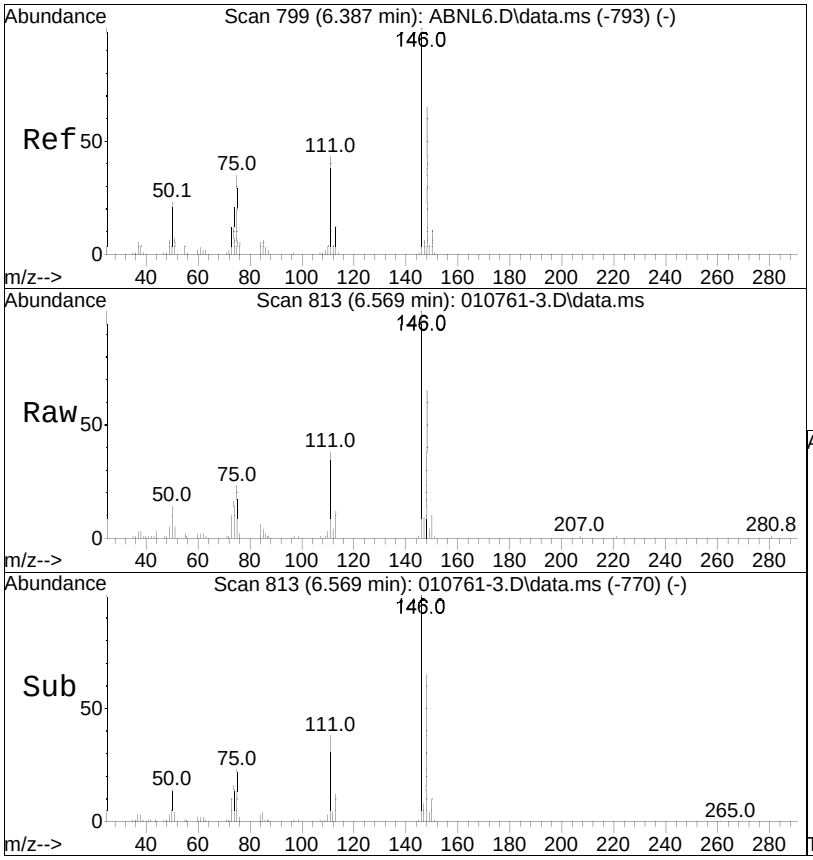


#9
Bis(2-chloroethyl)ether
Concen: 0.92 ug/ml
RT: 6.363 min Scan# 778
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 93 Resp: 19470

Ion	Ratio	Lower	Upper
93	100		
63	104.9	74.6	111.8
95	30.4	25.9	38.9

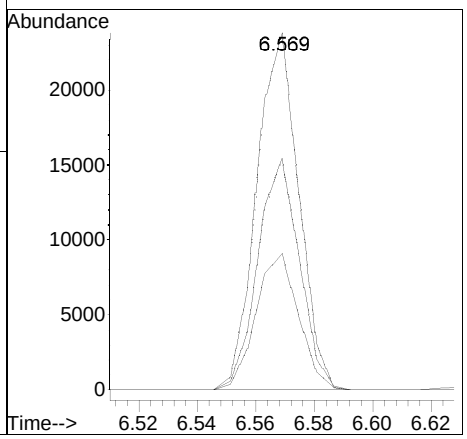


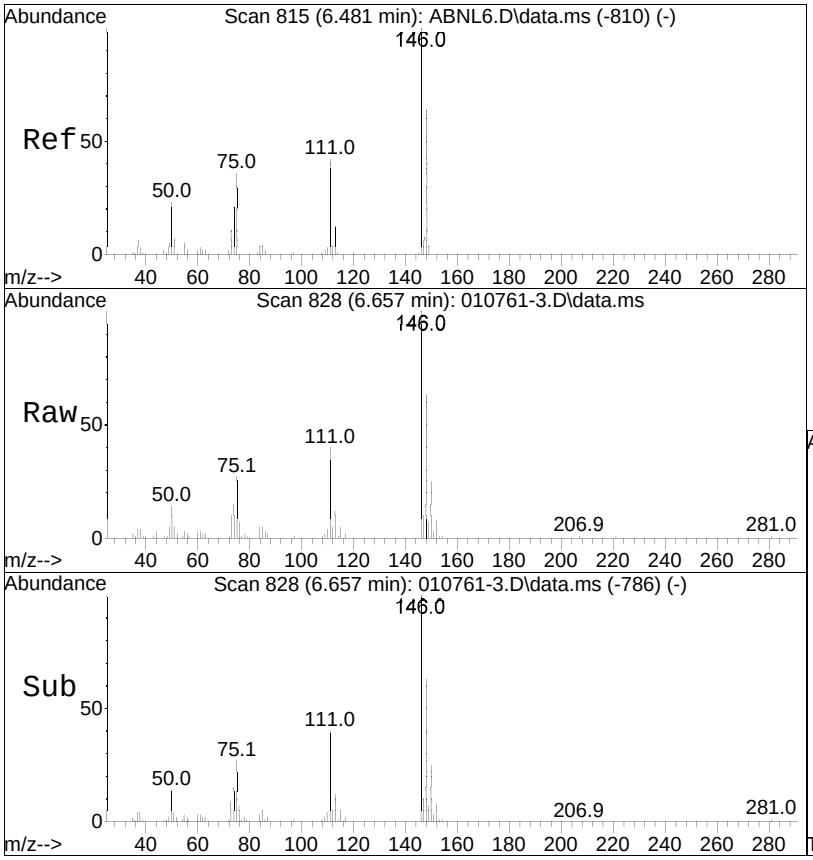


#10
1,3-Dichlorobenzene
Concen: 0.86 ug/ml
RT: 6.569 min Scan# 813
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:146 Resp: 23624

Ion	Ratio	Lower	Upper
146	100		
111	39.0	34.3	51.5
148	64.4	50.8	76.2

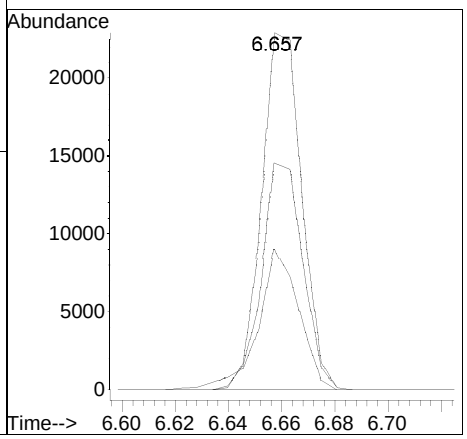


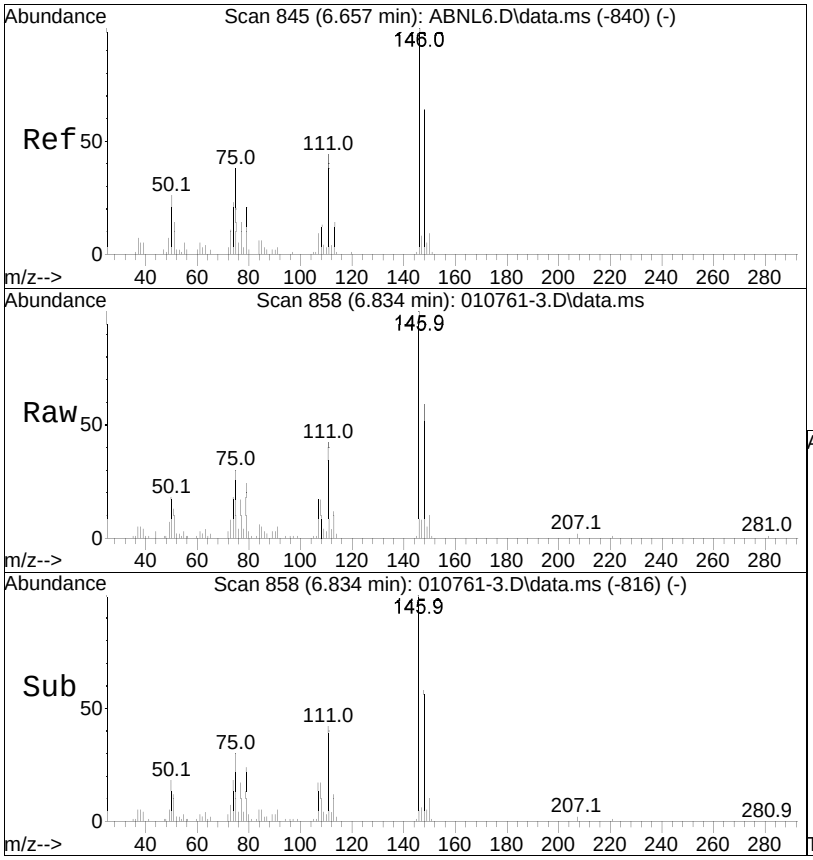


#11
1,4-Dichlorobenzene
Concen: 0.85 ug/ml
RT: 6.657 min Scan# 828
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:146 Resp: 23916

Ion	Ratio	Lower	Upper
146	100		
148	65.5	50.7	76.1
111	40.3	33.4	50.0

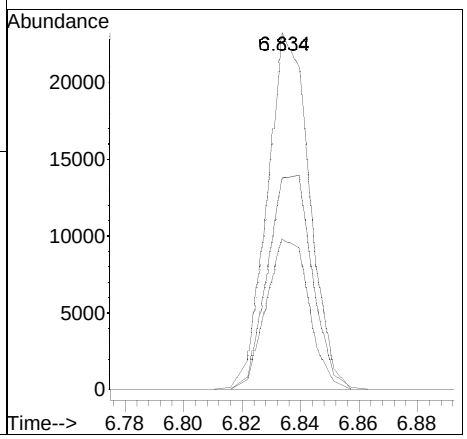


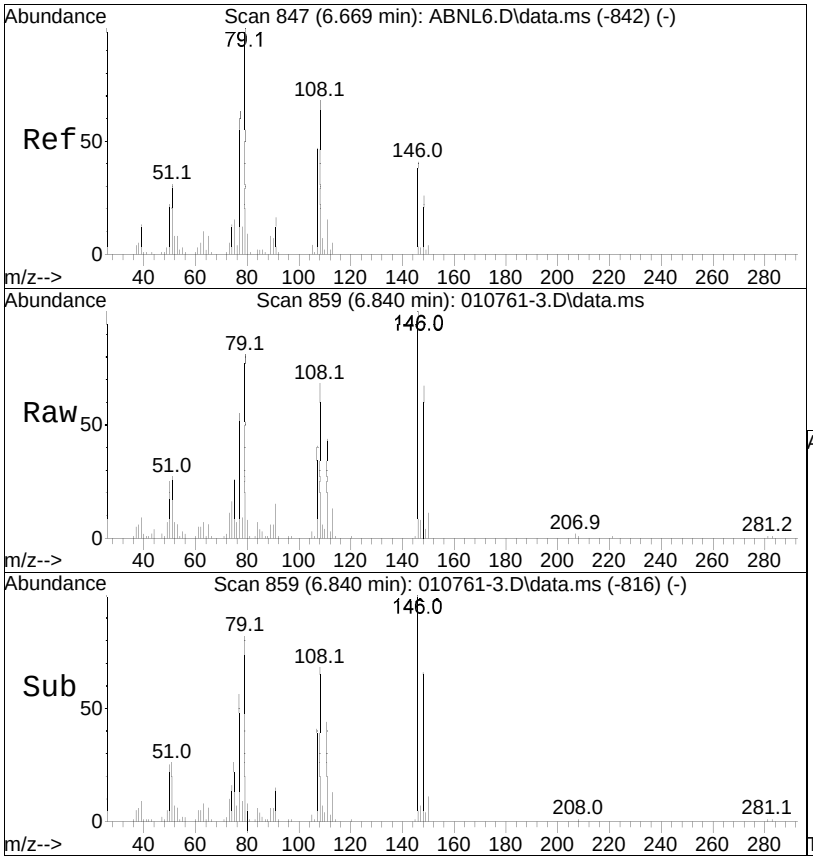


#12
1,2-Dichlorobenzene
Concen: 0.86 ug/ml
RT: 6.834 min Scan# 858
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:146 Resp: 23160

Ion	Ratio	Lower	Upper
146	100		
111	42.8	34.6	52.0
148	63.1	50.2	75.4

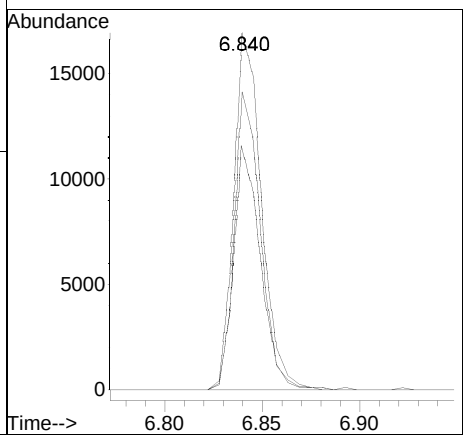


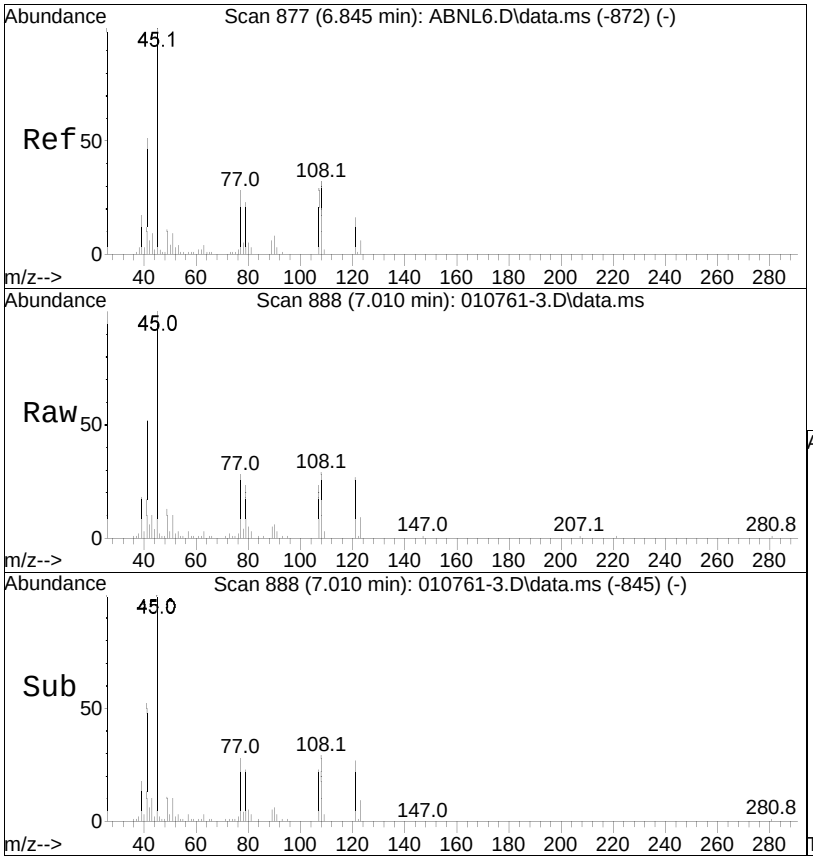


#13
Benzyl alcohol
Concen: 0.95 ug/ml
RT: 6.840 min Scan# 859
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 79 Resp: 16703

Ion	Ratio	Lower	Upper
79	100		
77	66.1	54.9	82.3
108	78.4	63.1	94.7

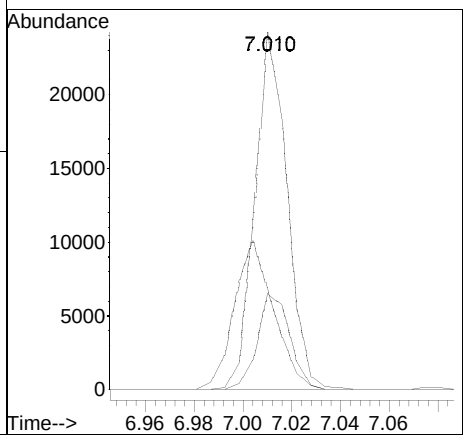


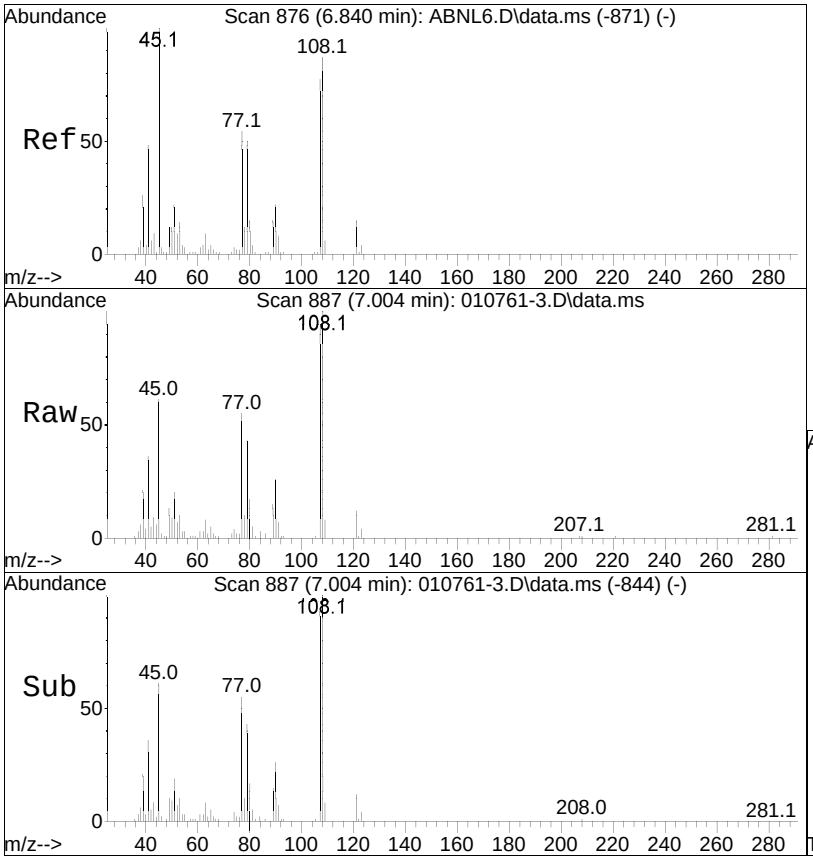


#14
Bis(2-chloroisopropyl)ether
Concen: 0.66 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 45 Resp: 22044

Ion	Ratio	Lower	Upper
45	100		
121	27.2	9.8	14.6#
77	51.1	6.1	9.1#

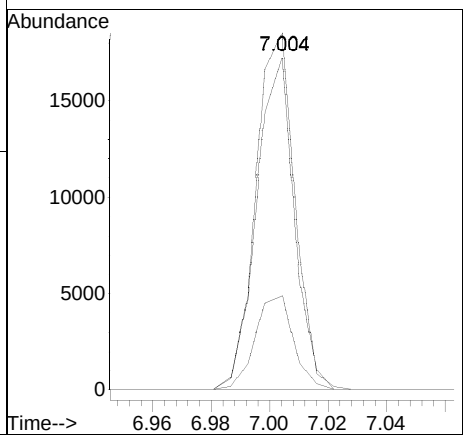


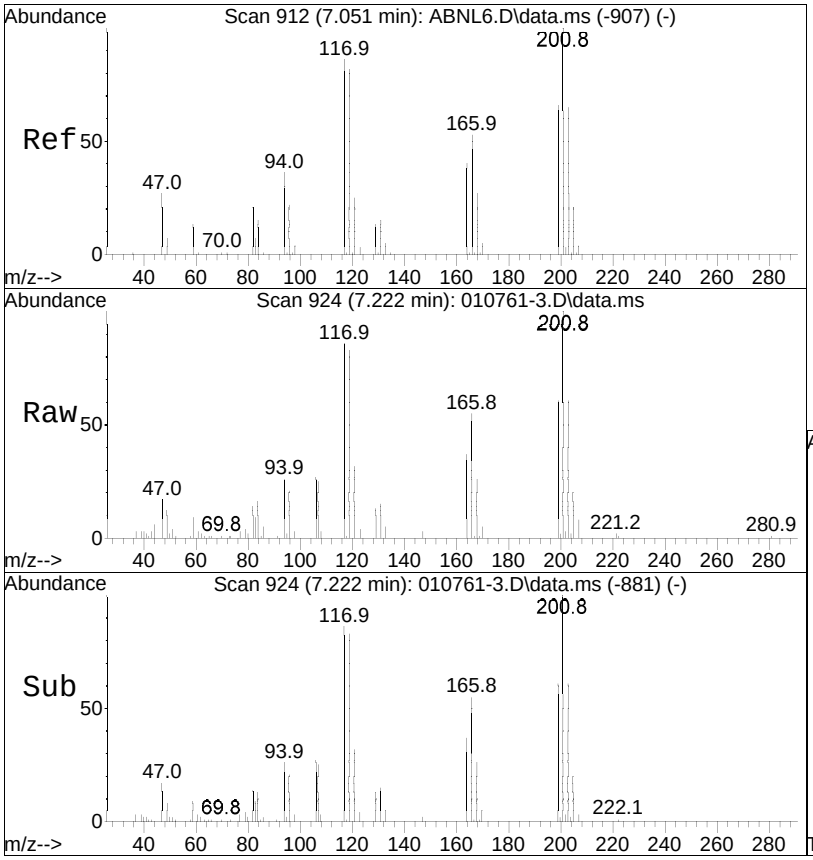


#15
2-Methylphenol
Concen: 0.92 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:108 Resp: 17181

Ion	Ratio	Lower	Upper
108	100		
107	89.6	70.7	106.1
90	26.0	18.7	28.1

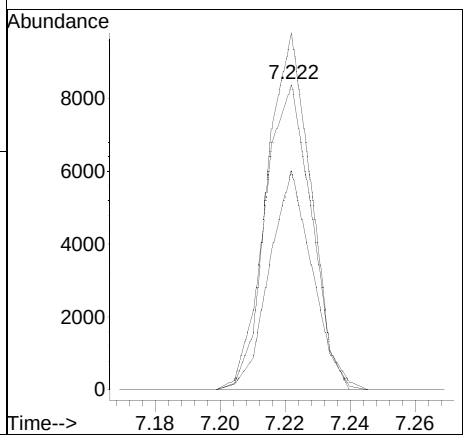


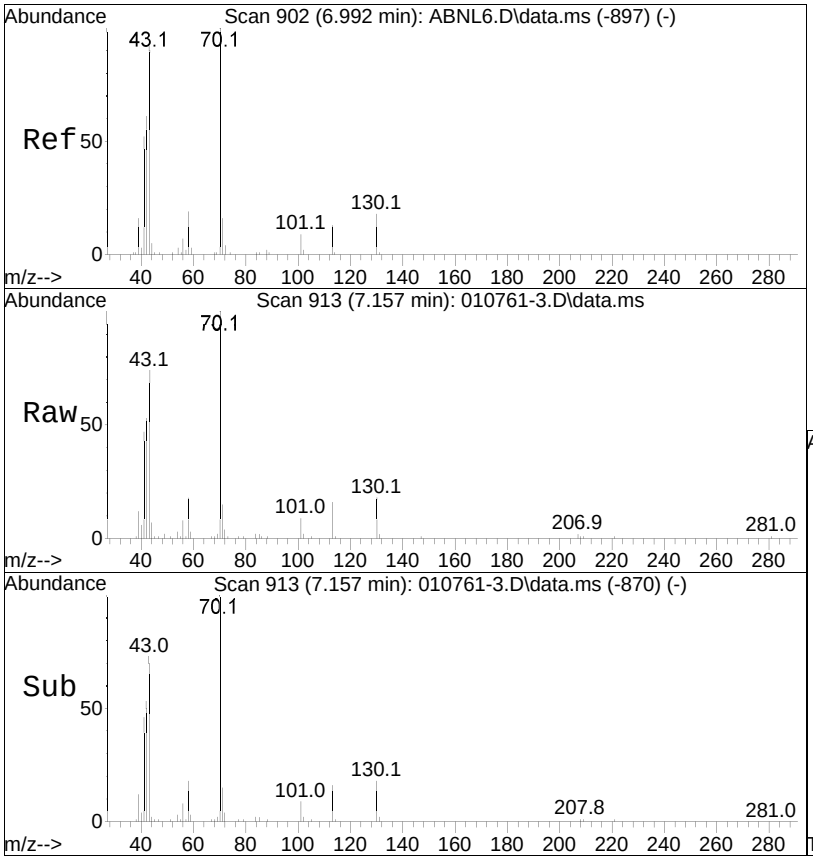


#16
Hexachloroethane
Concen: 0.83 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:117 Resp: 8379

Ion	Ratio	Lower	Upper
117	100		
201	108.8	58.6	87.8#
199	65.8	36.9	55.3#

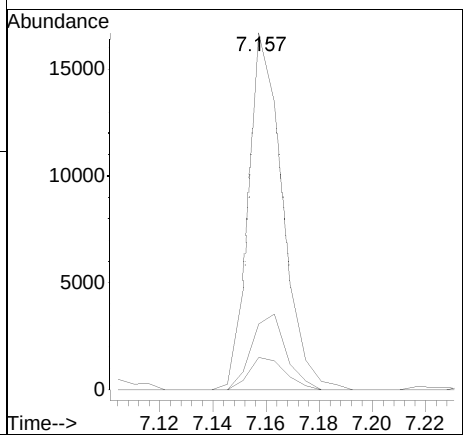


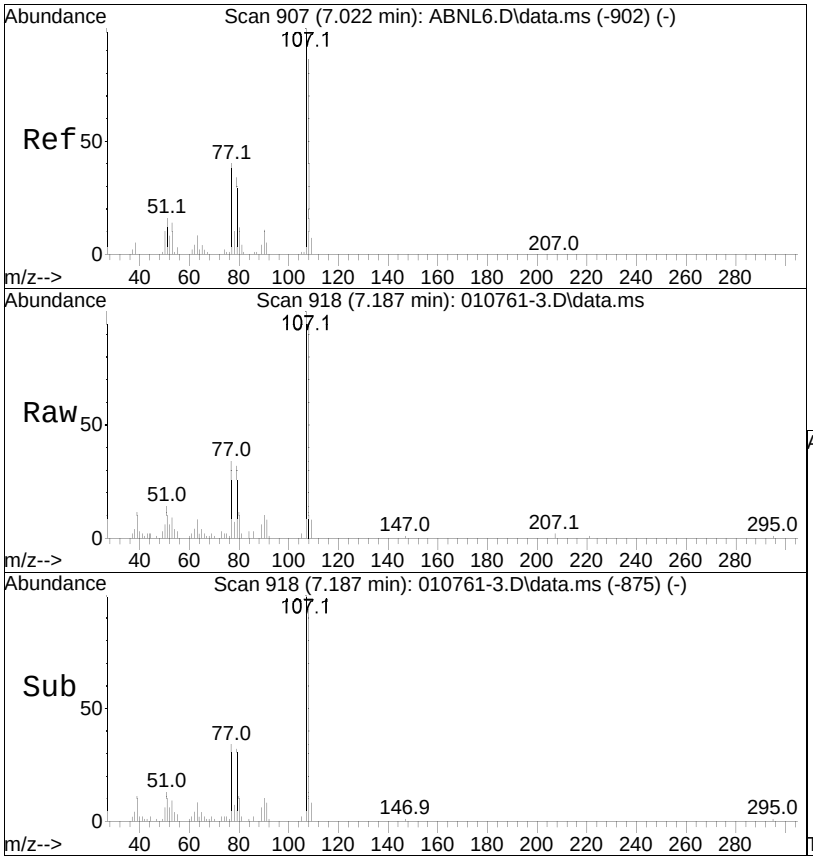


#17
n-Nitrosodi-n-propylamine
Concen: 0.96 ug/ml
RT: 7.157 min Scan# 913
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 70 Resp: 14852

Ion	Ratio	Lower	Upper
70	100		
130	21.5	18.2	27.4
101	9.7	7.8	11.8

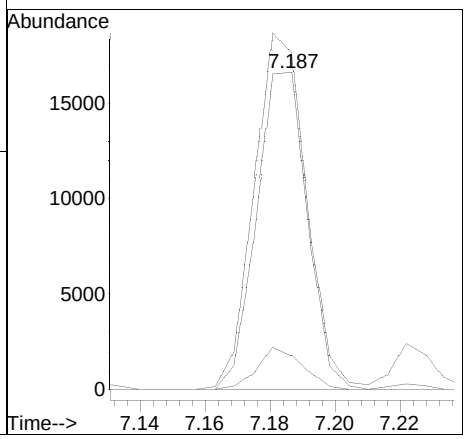


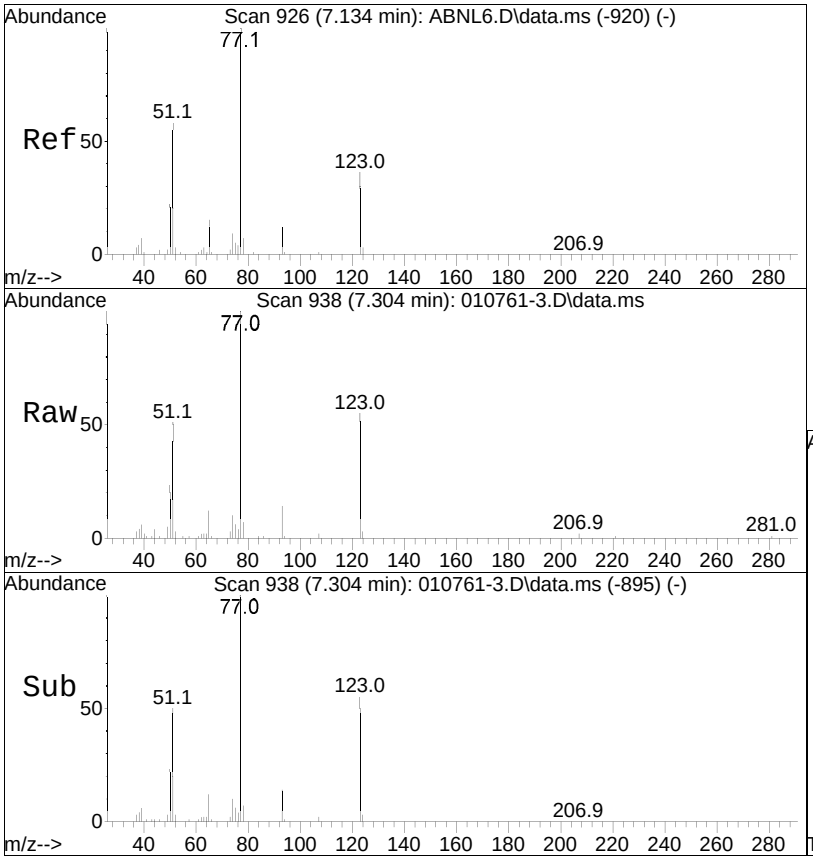


#18
3-Methylphenol/4-Methylphenol
Concen: 0.89 ug/ml
RT: 7.187 min Scan# 918
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:108 Resp: 18017

Ion	Ratio	Lower	Upper
108	100		
107	115.7	88.6	132.8
90	11.9	8.8	13.2

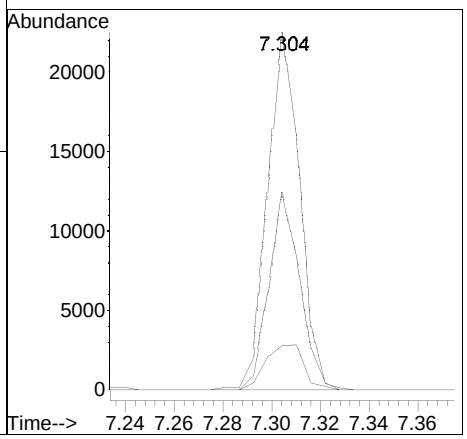


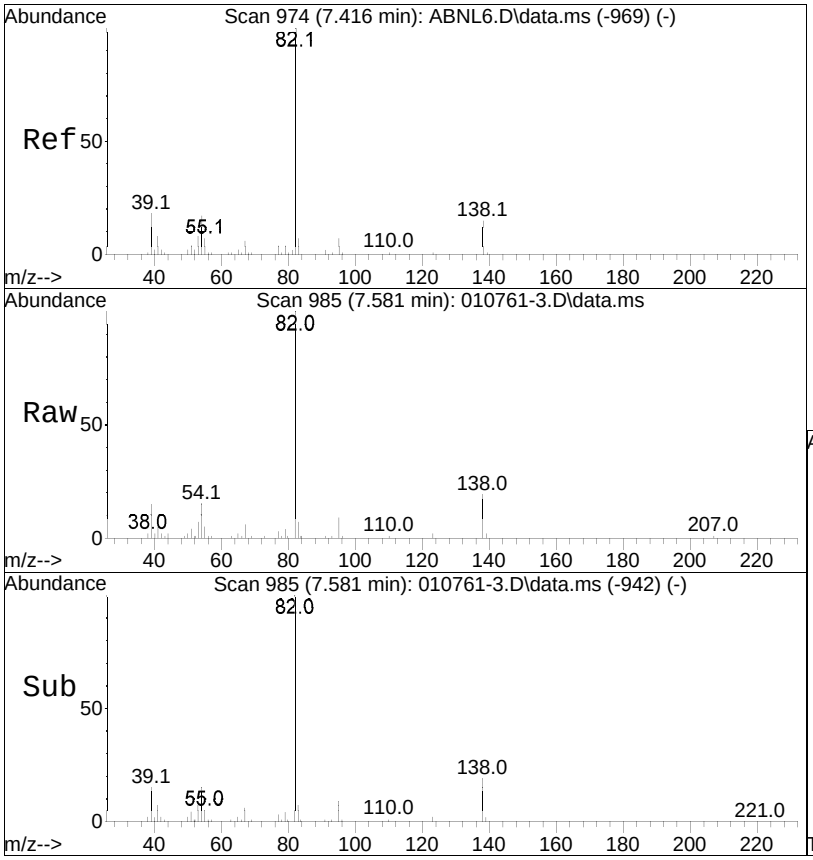


#20
Nitrobenzene
Concen: 0.89 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 77 Resp: 20446

Ion	Ratio	Lower	Upper
77	100		
123	52.9	36.3	54.5
65	15.2	11.6	17.4

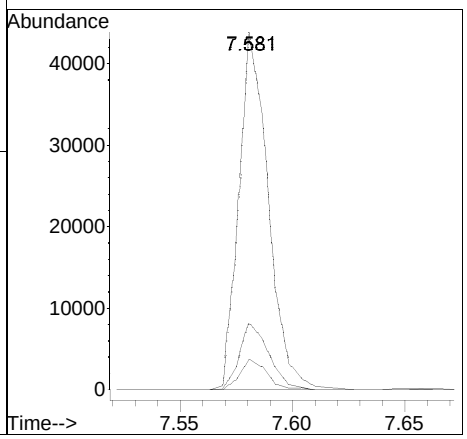


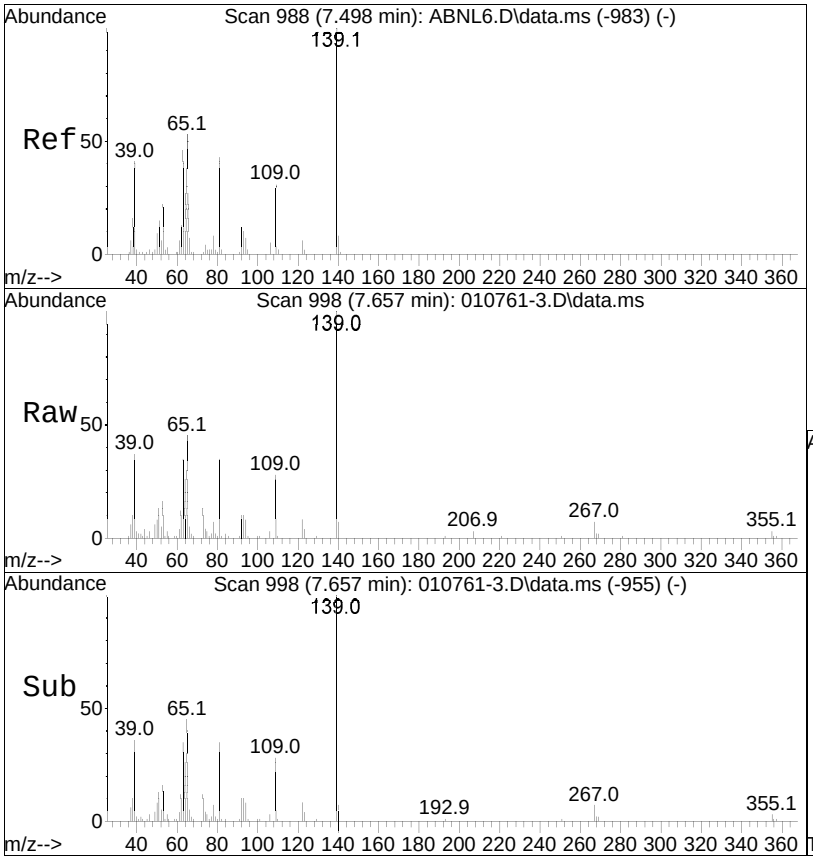


#21
Isophorone
Concen: 0.99 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 82 Resp: 39476

Ion	Ratio	Lower	Upper
82	100		
138	18.6	14.7	22.1
95	7.9	5.2	7.8#

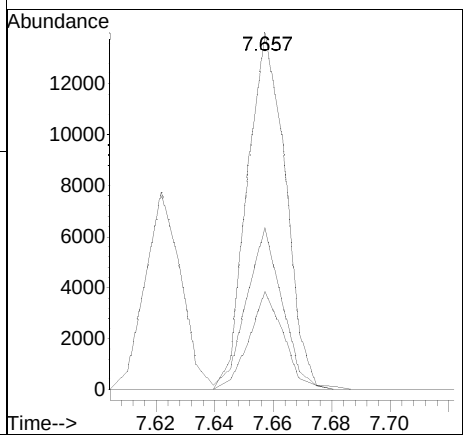


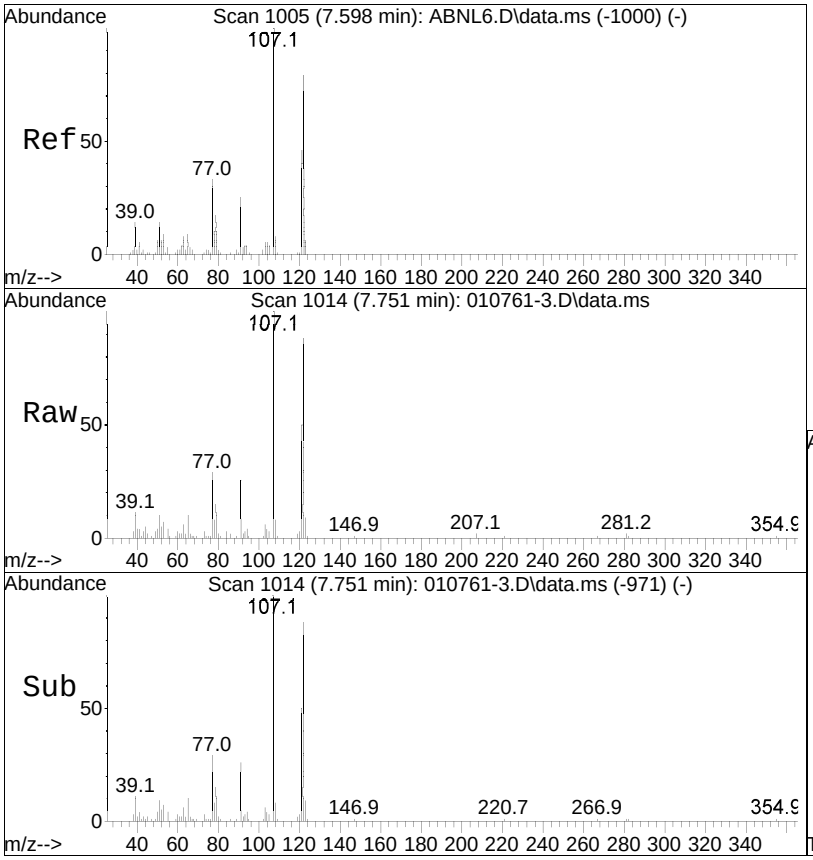


#22
2-Nitrophenol
Concen: 1.08 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:139 Resp: 12734

Ion	Ratio	Lower	Upper
139	100		
109	24.8	19.4	29.0
65	42.3	46.1	69.1#

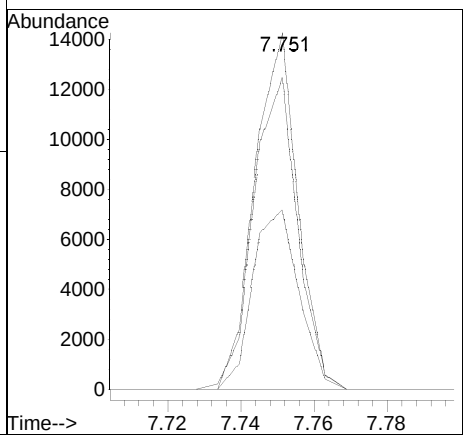


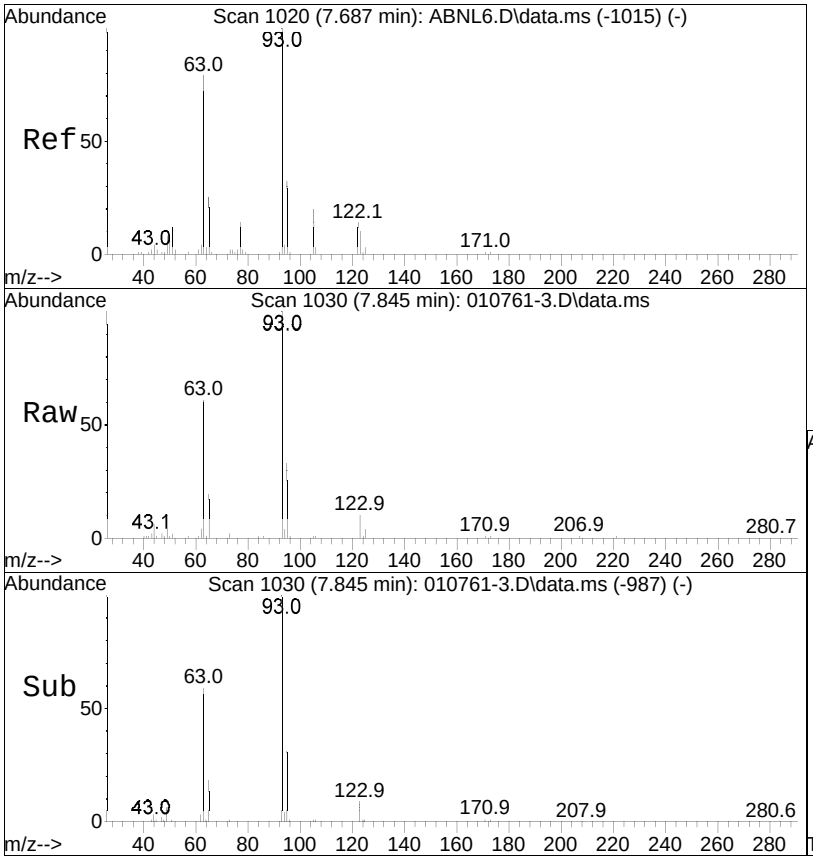


#23
2,4-Dimethylphenol
Concen: 0.63 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:107 Resp: 11608

Ion	Ratio	Lower	Upper
107	100		
121	54.5	40.0	60.0
122	89.7	70.2	105.4

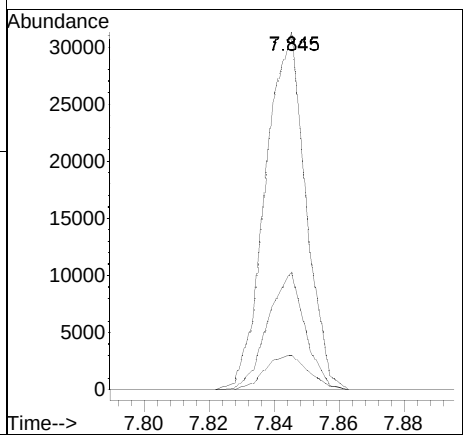


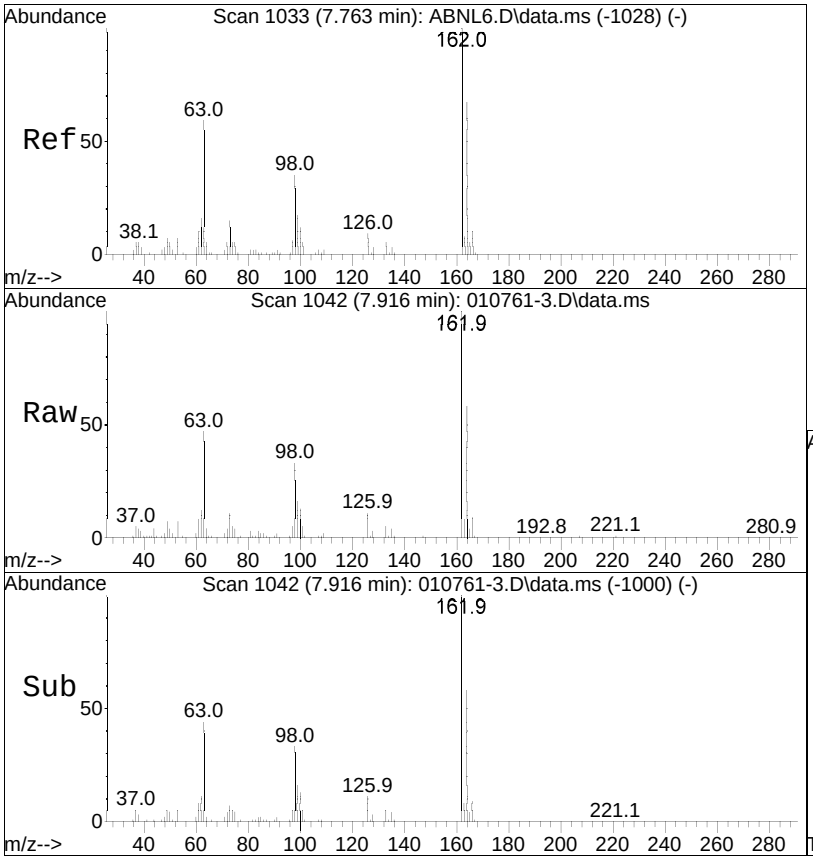


#24
Bis(2-chloroethoxy)methane
Concen: 1.00 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 93 Resp: 26638

Ion	Ratio	Lower	Upper
93	100		
95	30.8	25.8	38.8
123	10.5	10.1	15.1

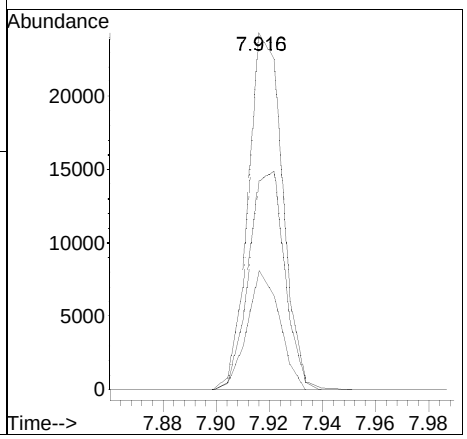


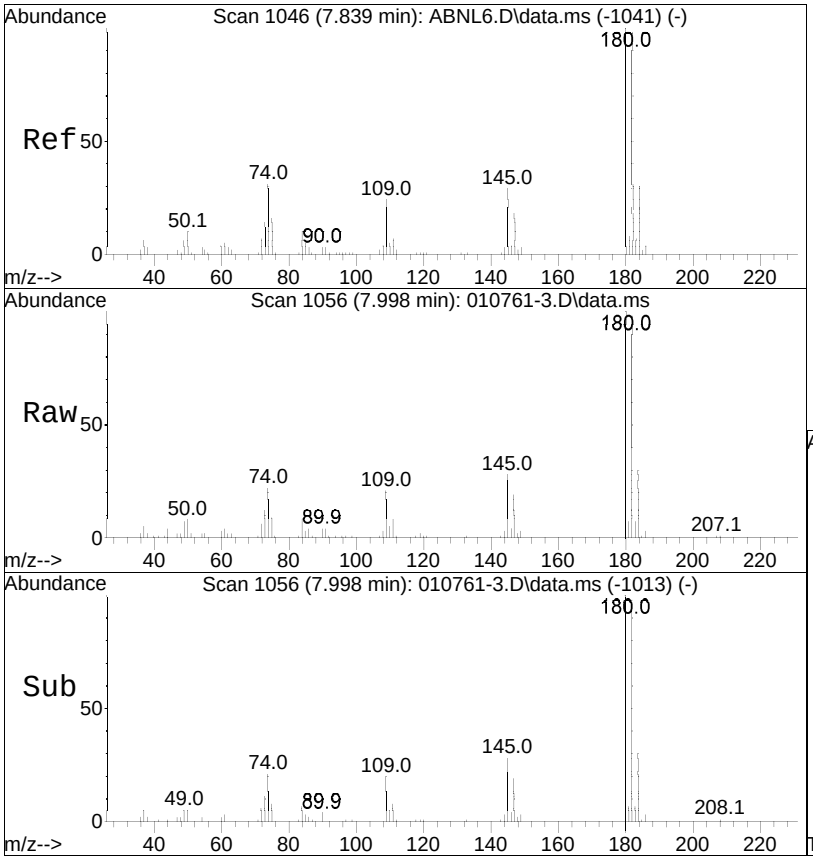


#25
2,4-Dichlorophenol
Concen: 1.05 ug/ml
RT: 7.916 min Scan# 1042
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:162 Resp: 21753

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.0	76.4
98	31.8	32.2	48.2#

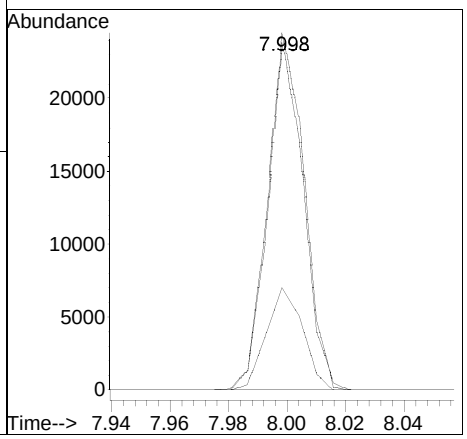


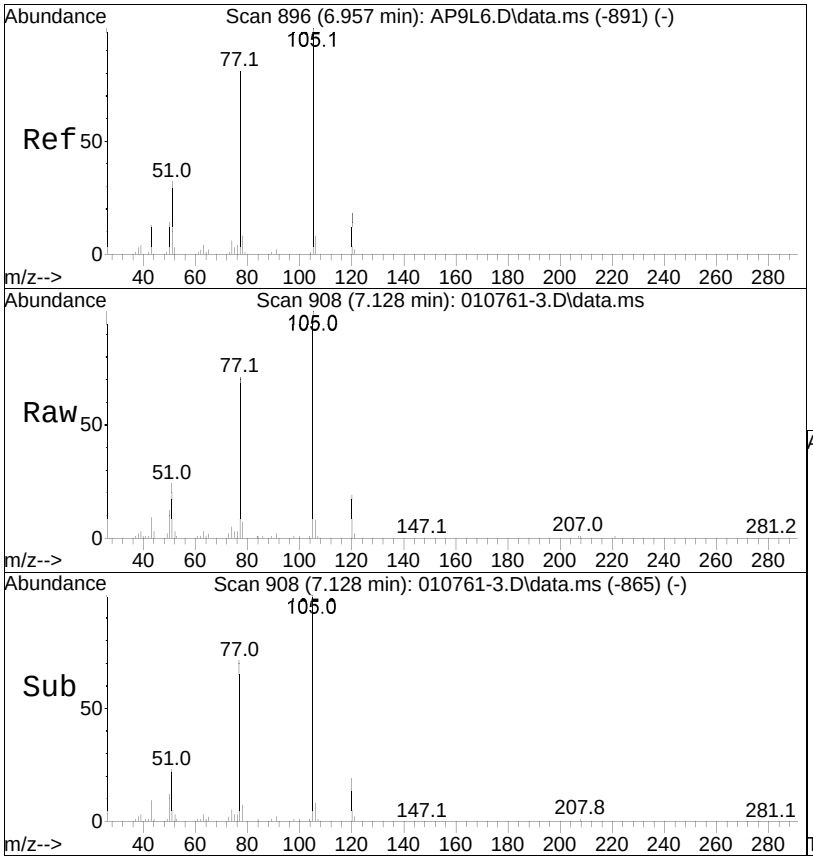


#26
1,2,4-Trichlorobenzene
Concen: 0.89 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:180 Resp: 21254

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
145	28.5	25.7	38.5

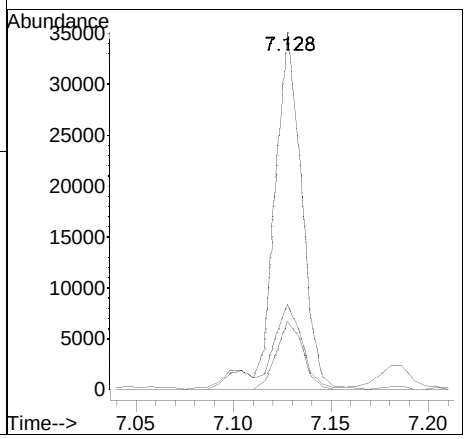


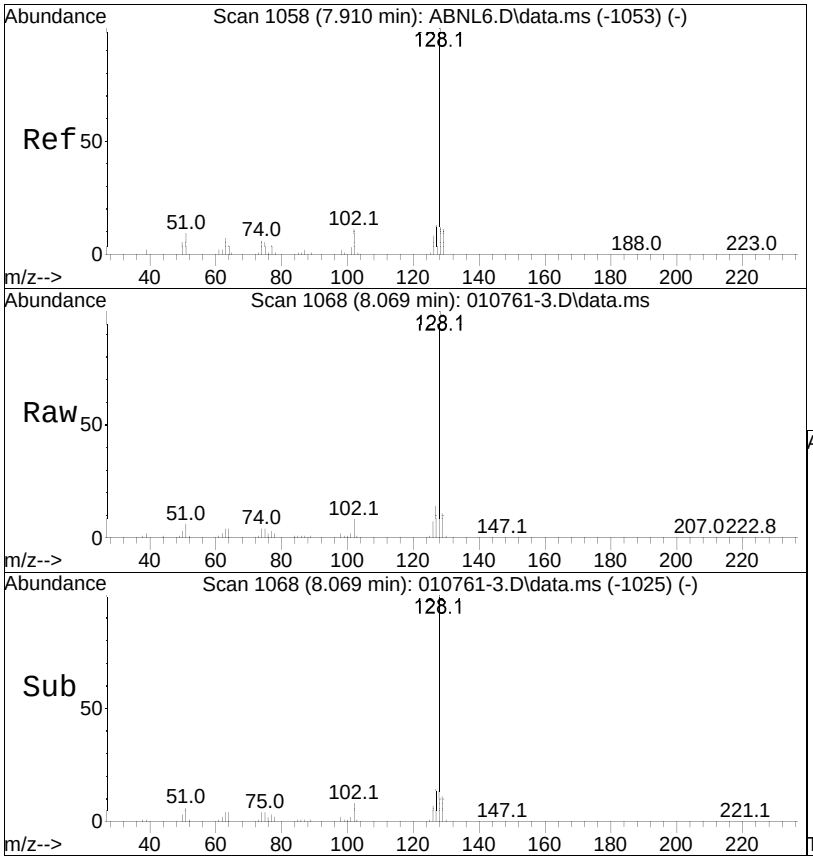


#29
Acetophenone
Concen: 1.13 ug/ml
RT: 7.128 min Scan# 908
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:105 Resp: 34304

Ion	Ratio	Lower	Upper
105	100		
120	18.3	20.5	30.7#
51	30.2	34.9	52.3#

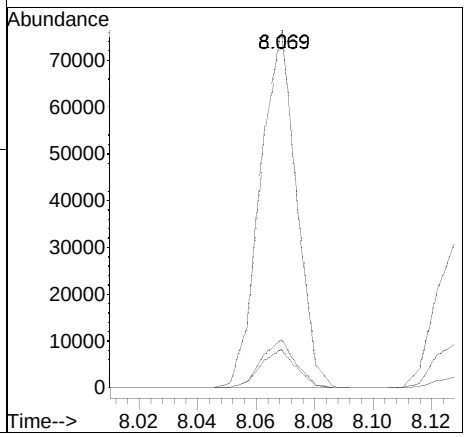


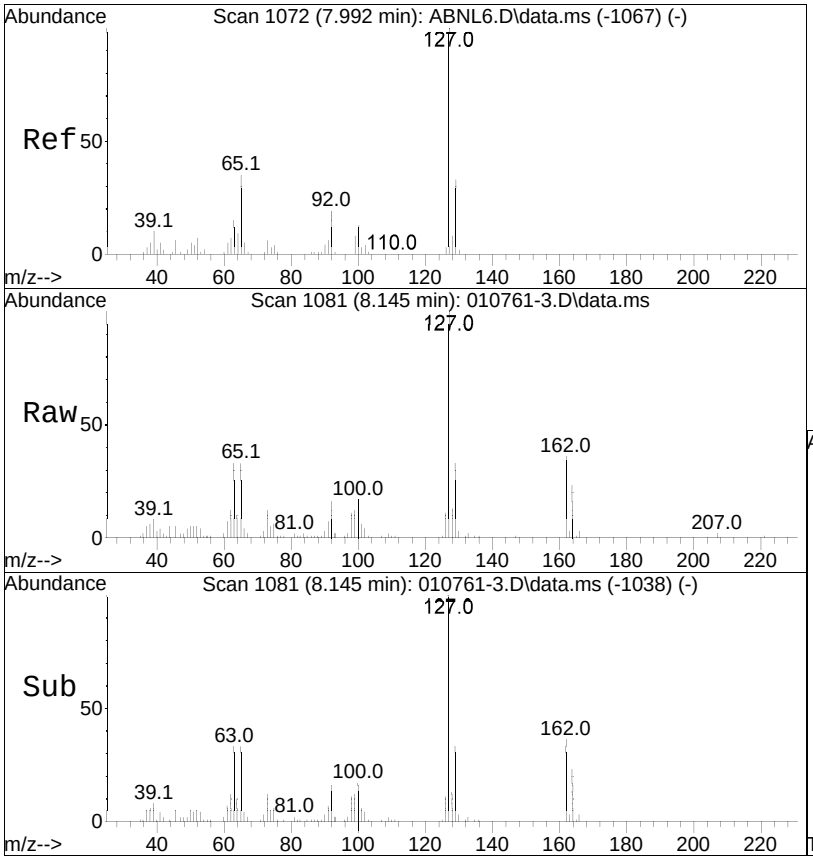


#36
Naphthalene
Concen: 0.91 ug/ml
RT: 8.069 min Scan# 1068
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:128 Resp: 65199

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.9	10.3	15.5

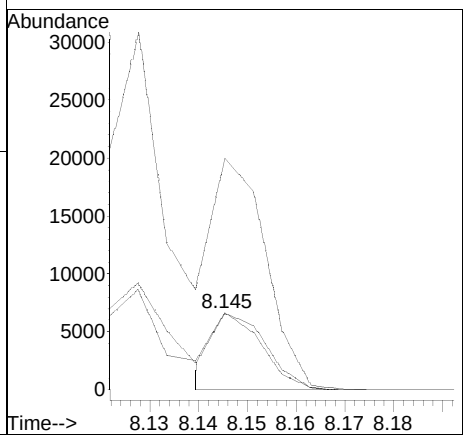


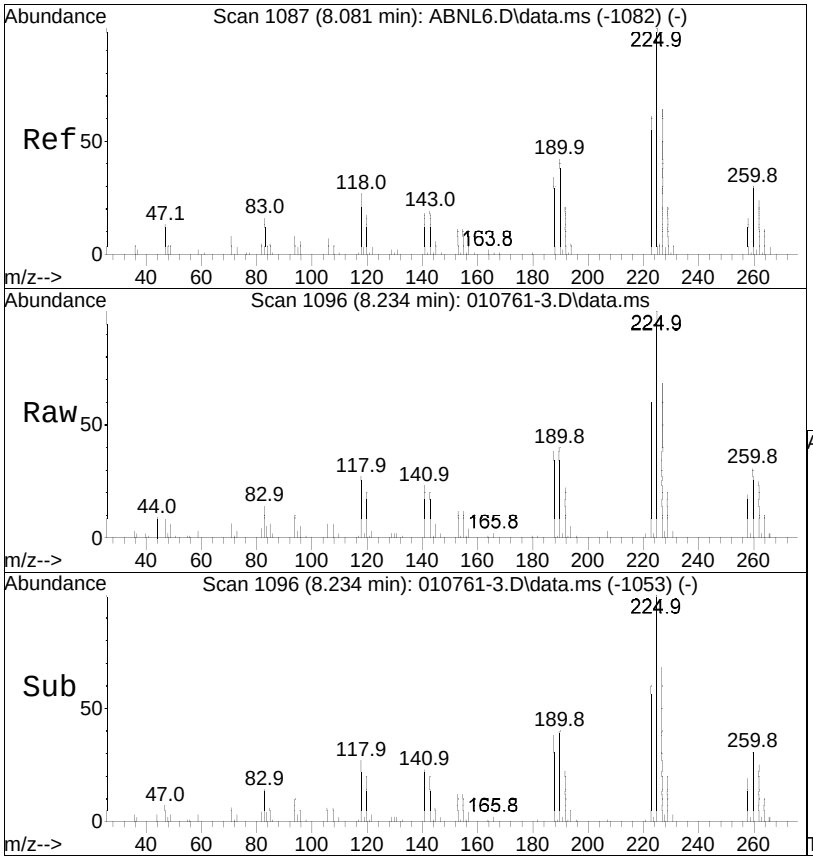


#38
4-Chloroaniline
Concen: 0.58 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 65 Resp: 4625

Ion	Ratio	Lower	Upper
65	100		
127	326.2	237.6	356.4
129	107.3	76.3	114.5

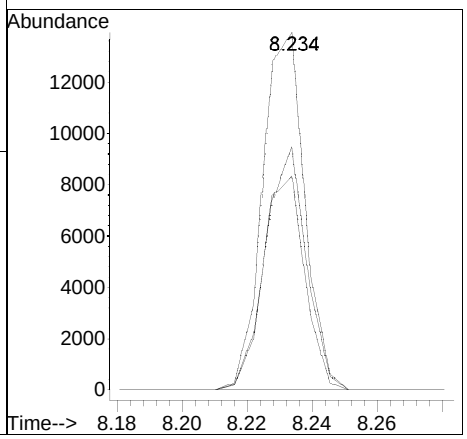


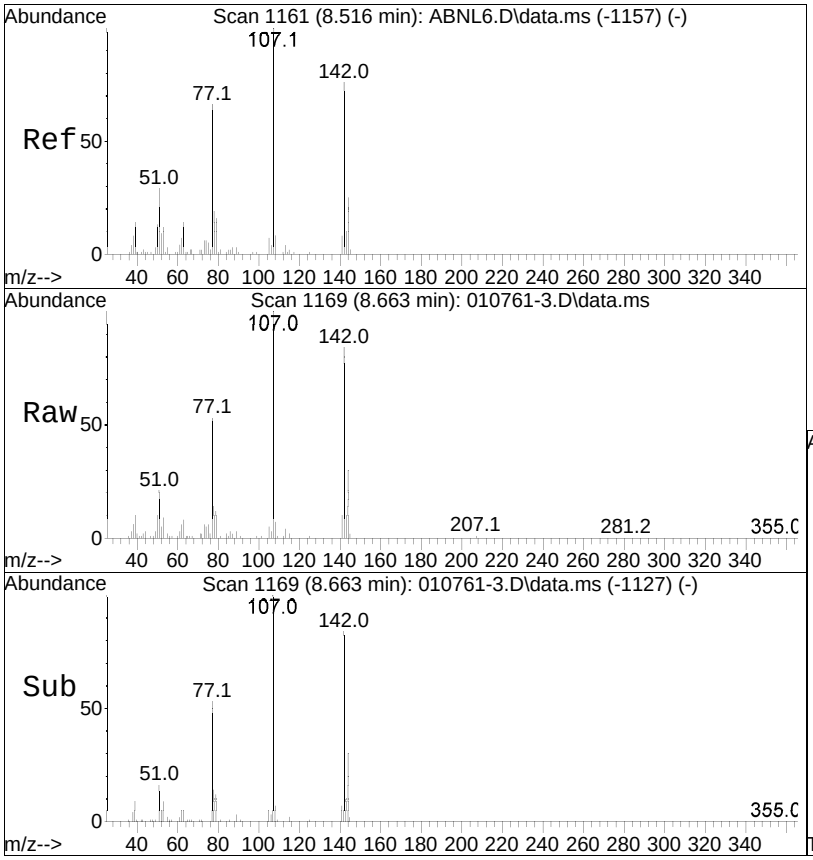


#39
Hexachlorobutadiene
Concen: 0.82 ug/ml
RT: 8.234 min Scan# 1096
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:225 Resp: 12467

Ion	Ratio	Lower	Upper
225	100		
223	59.8	50.3	75.5
227	66.6	52.2	78.2

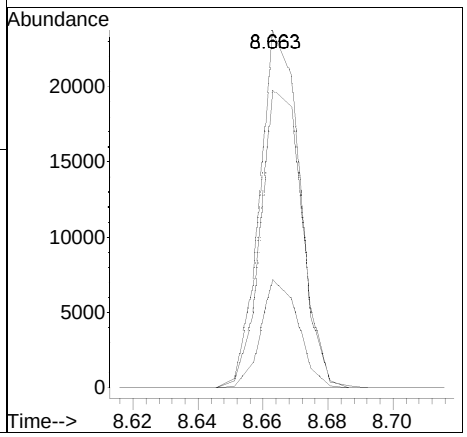


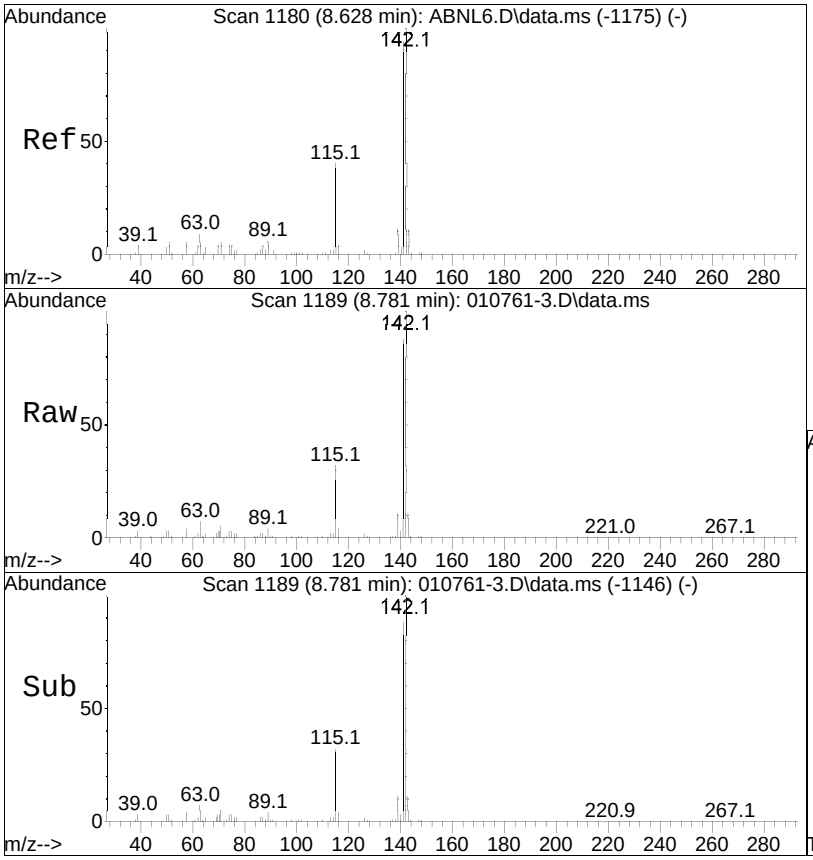


#40
p-Chloro-m-cresol
Concen: 1.07 ug/ml
RT: 8.663 min Scan# 1169
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:107 Resp: 20143

Ion	Ratio	Lower	Upper
107	100		
144	28.7	20.9	31.3
142	86.7	66.1	99.1

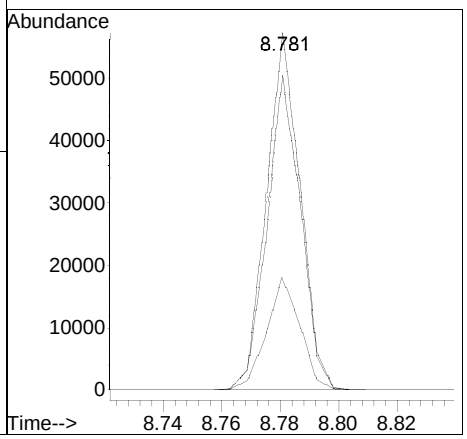


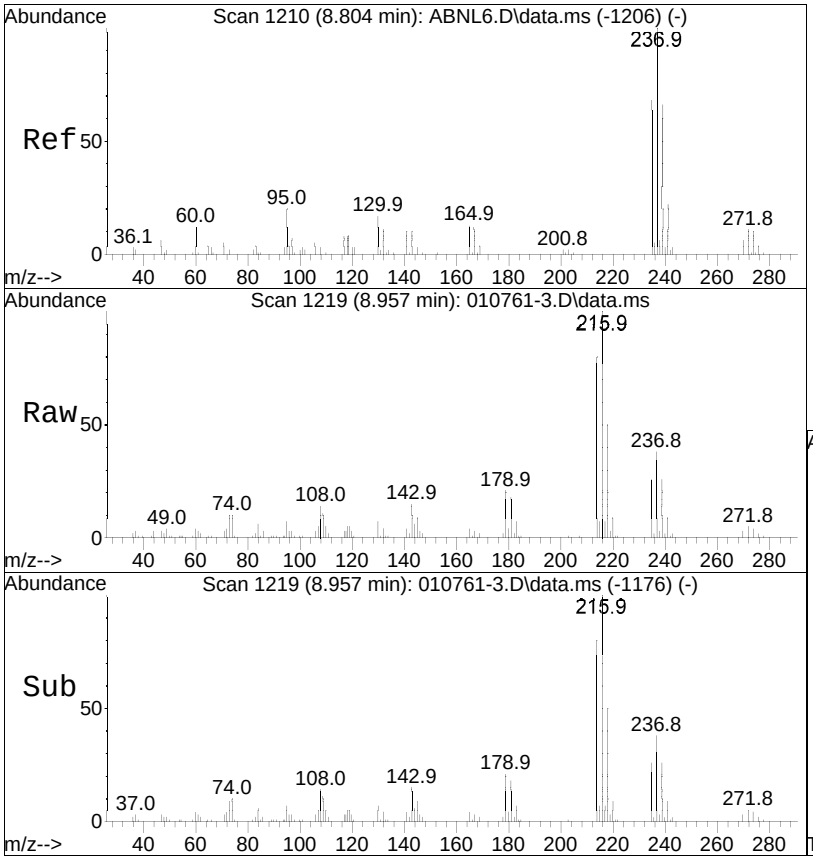


#41
2-Methylnaphthalene
Concen: 0.96 ug/ml
RT: 8.781 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:142 Resp: 45715

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.6	104.4
115	31.4	26.6	40.0

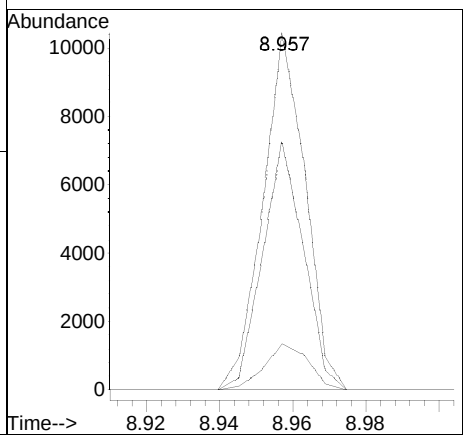


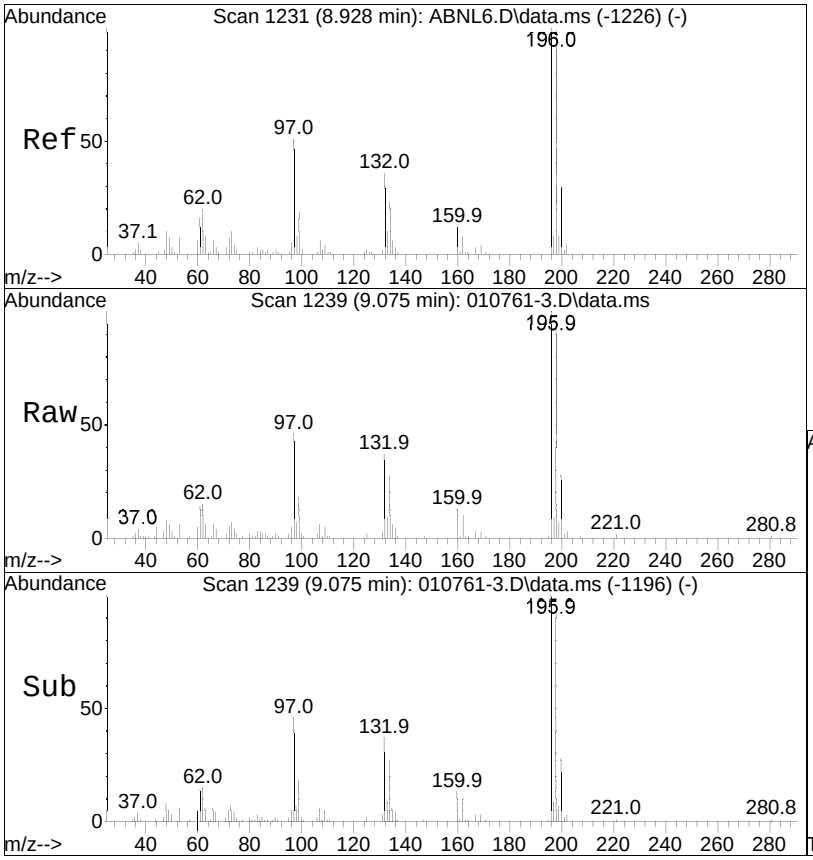


#43
Hexachlorocyclopentadiene
Concen: 0.50 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:237 Resp: 8386

Ion	Ratio	Lower	Upper
237	100		
235	67.3	49.7	74.5
272	13.6	9.8	14.6

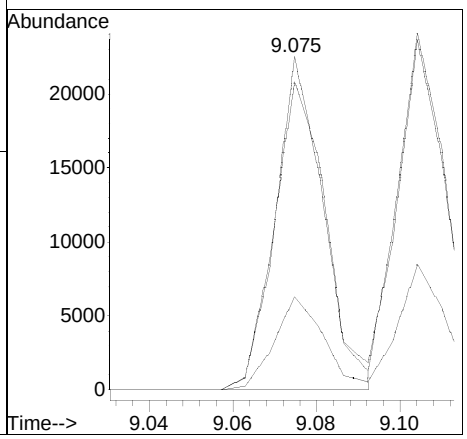


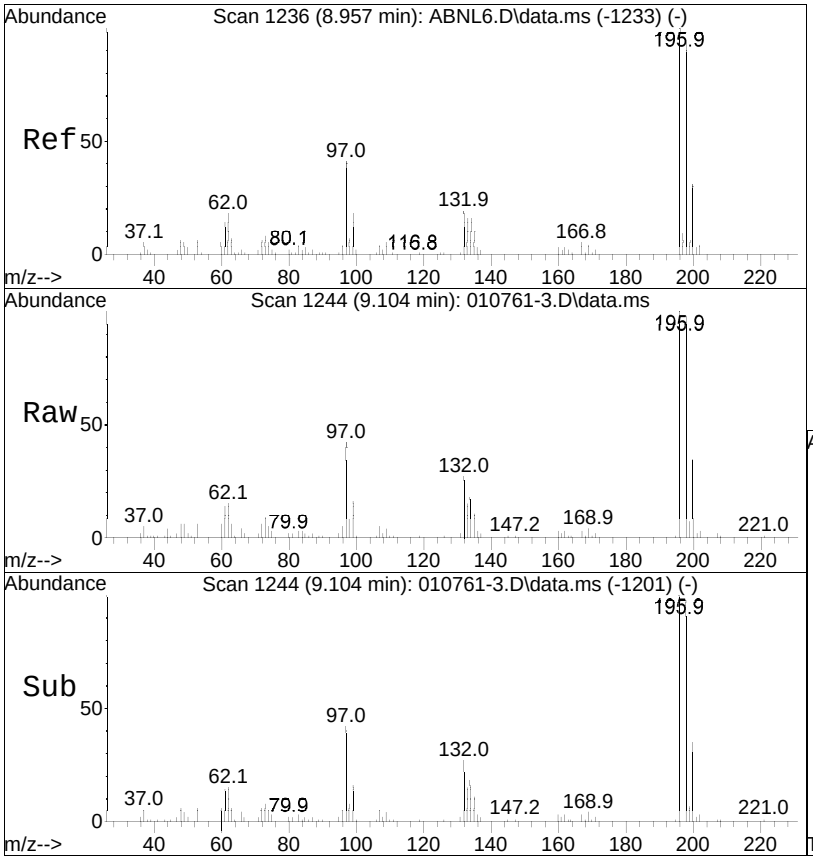


#44
2,4,6-Trichlorophenol
Concen: 1.03 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:196 Resp: 17928

Ion	Ratio	Lower	Upper
196	100		
198	100.8	77.5	116.3
200	29.3	23.8	35.6

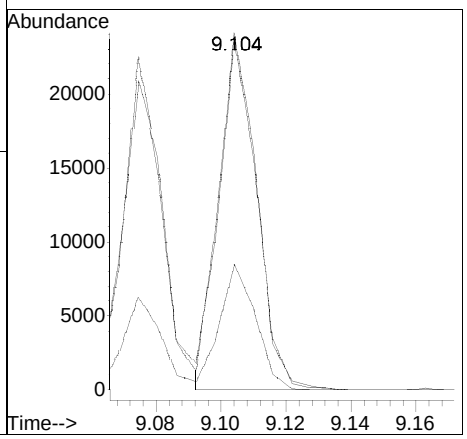


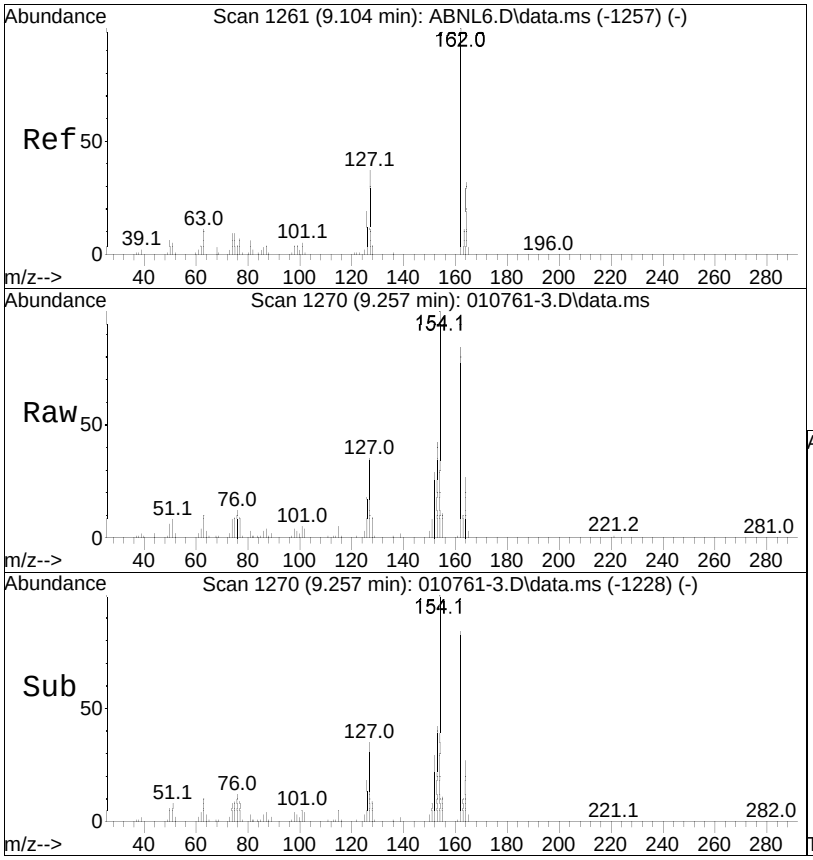


#45
2,4,5-Trichlorophenol
Concen: 1.08 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:196 Resp: 19474

Ion	Ratio	Lower	Upper
196	100		
200	33.4	25.4	38.0
198	96.8	78.0	117.0

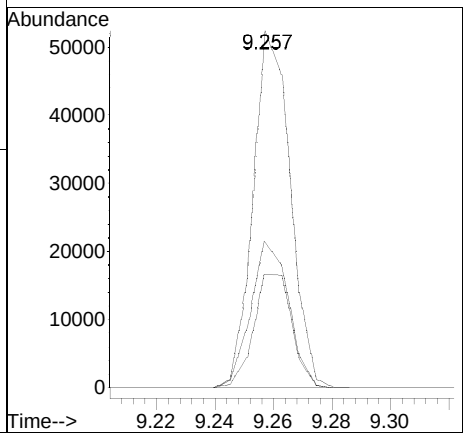


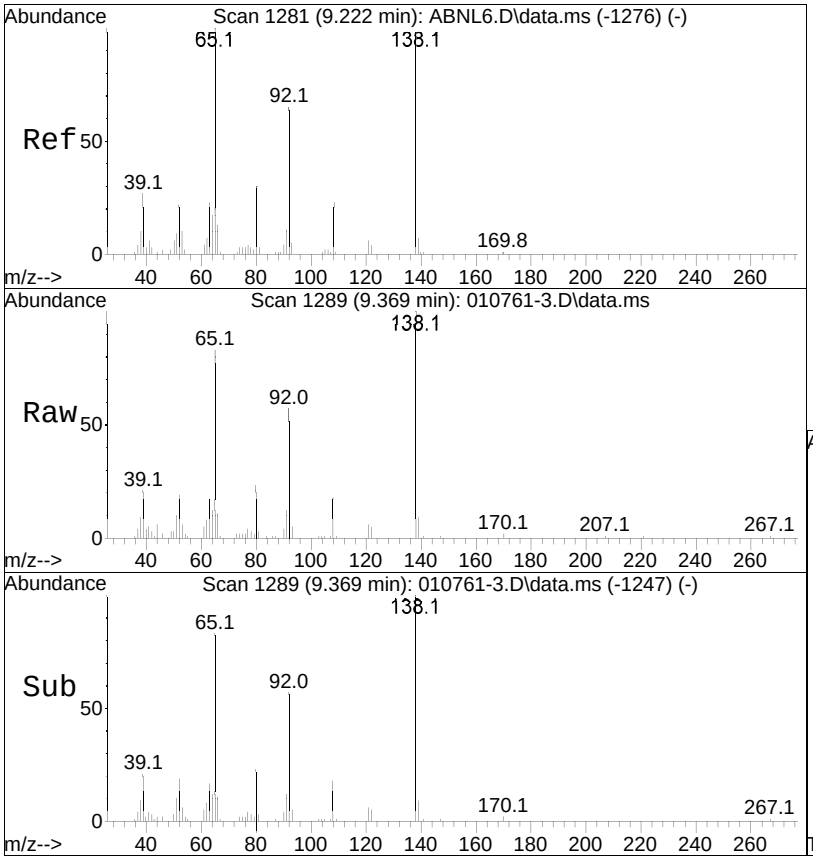


#47
2-Chloronaphthalene
Concen: 0.92 ug/ml
RT: 9.257 min Scan# 1270
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:162 Resp: 45983

Ion	Ratio	Lower	Upper
162	100		
127	42.1	32.2	48.4
164	33.0	25.7	38.5

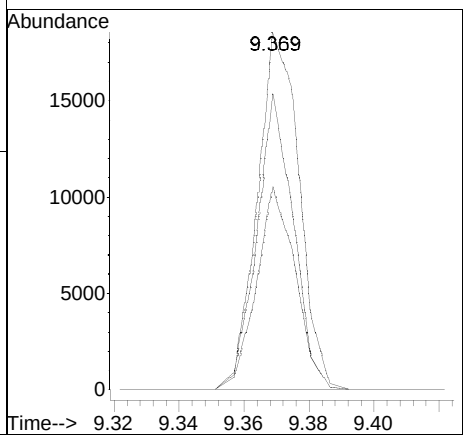


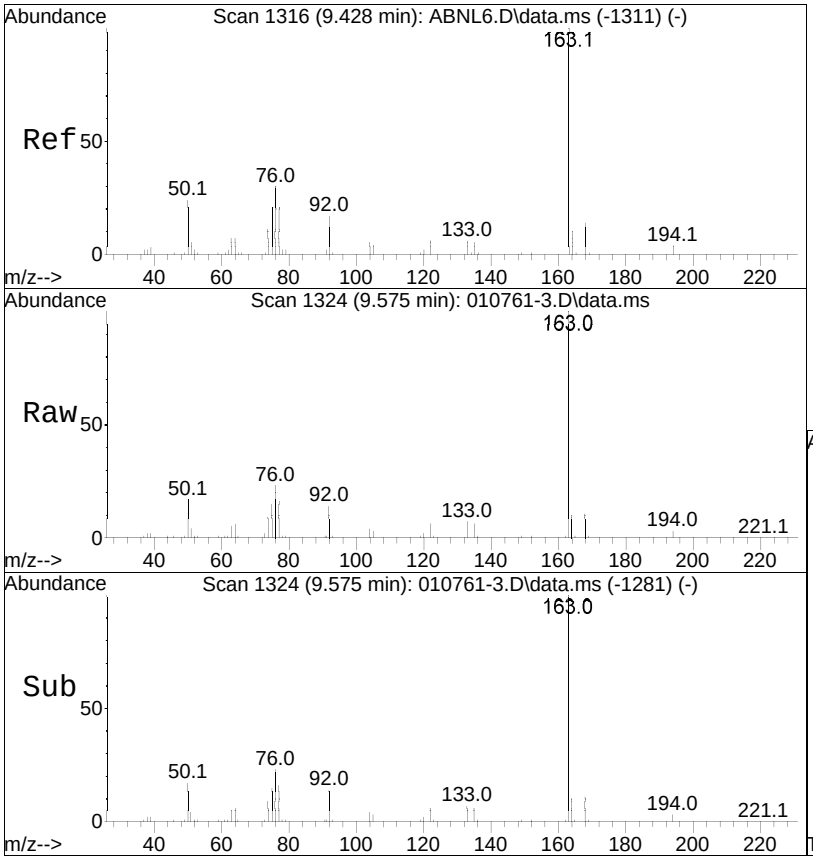


#48
2-Nitroaniline
Concen: 1.15 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:138 Resp: 16362

Ion	Ratio	Lower	Upper
138	100		
92	53.1	53.5	80.3#
65	72.7	86.3	129.5#

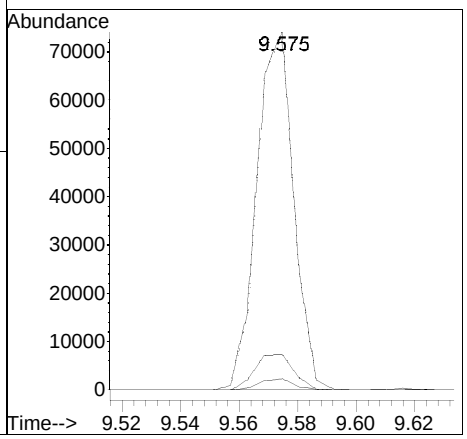


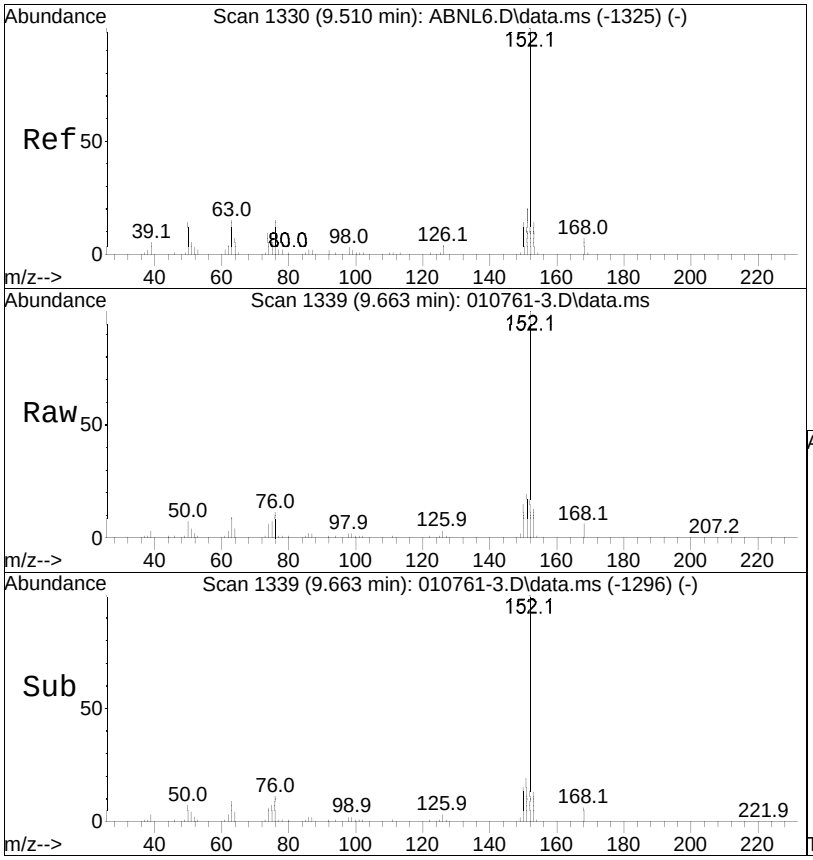


#51
Dimethyl phthalate
Concen: 1.11 ug/ml
RT: 9.575 min Scan# 1324
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:163 Resp: 64209

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.5	5.3#
164	10.7	7.9	11.9

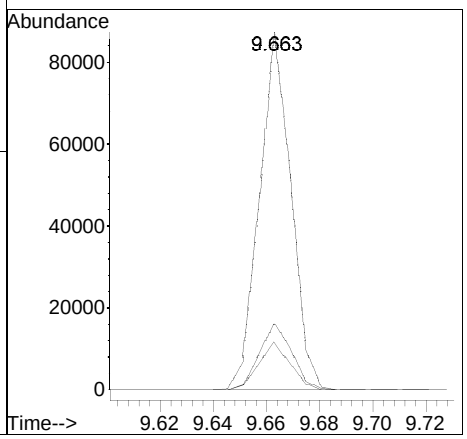


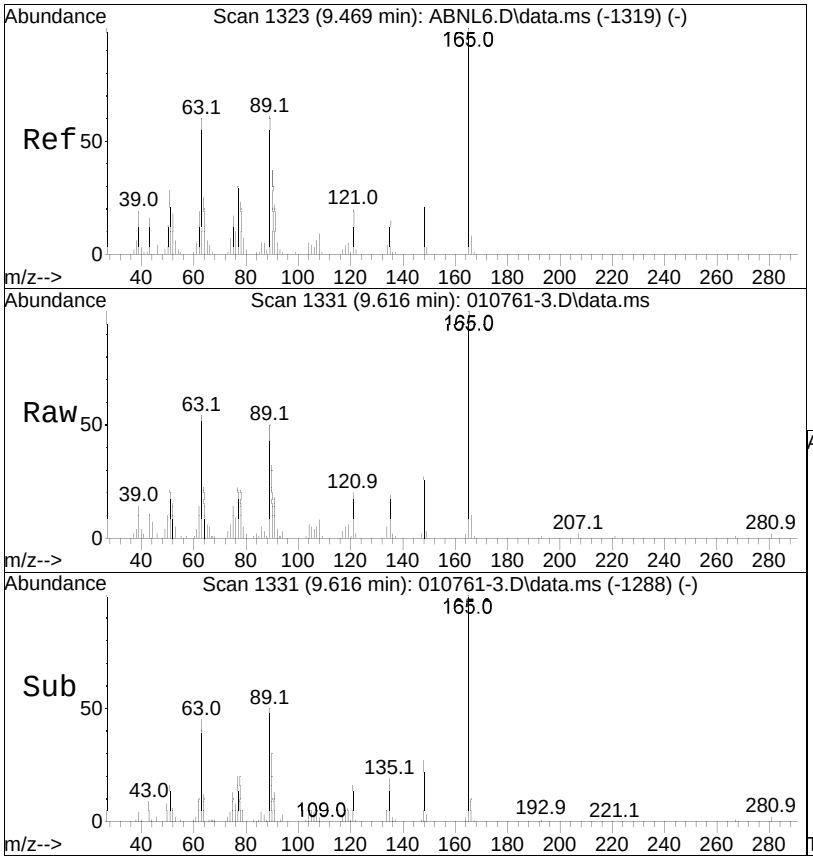


#52
Acenaphthylene
Concen: 0.96 ug/ml
RT: 9.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:152 Resp: 71067

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	13.4	10.5	15.7

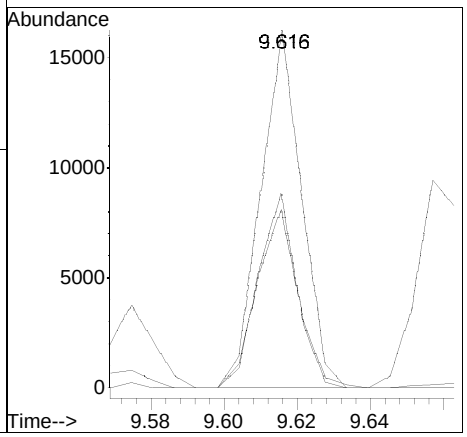


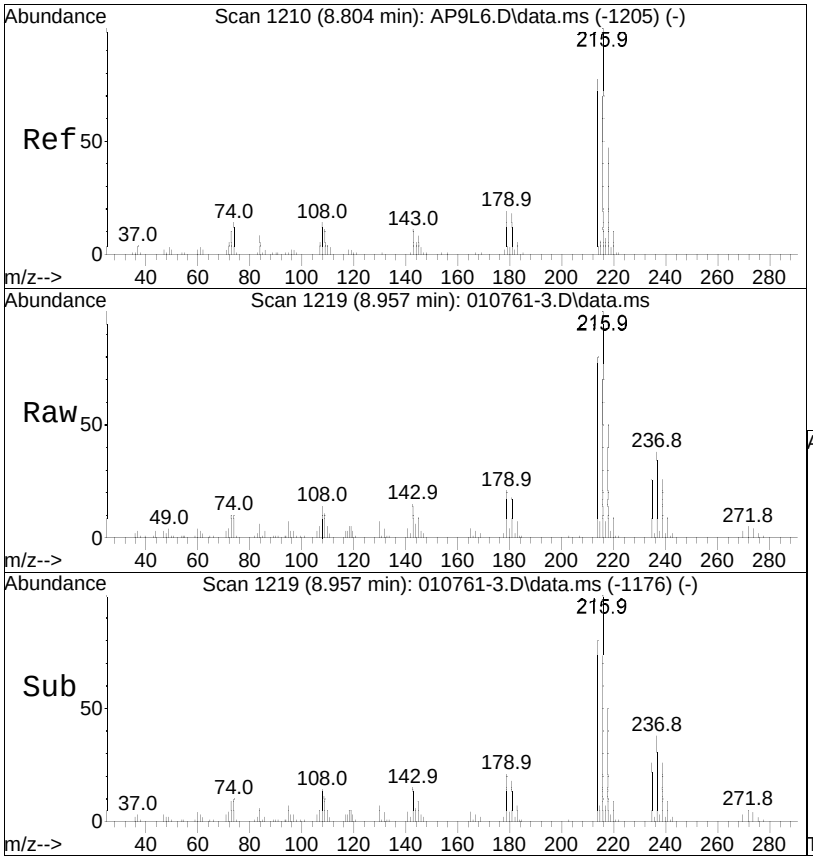


#53
2,6-Dinitrotoluene
Concen: 1.07 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:165 Resp: 12586

Ion	Ratio	Lower	Upper
165	100		
89	51.0	54.2	81.2#
63	51.7	64.2	96.2#

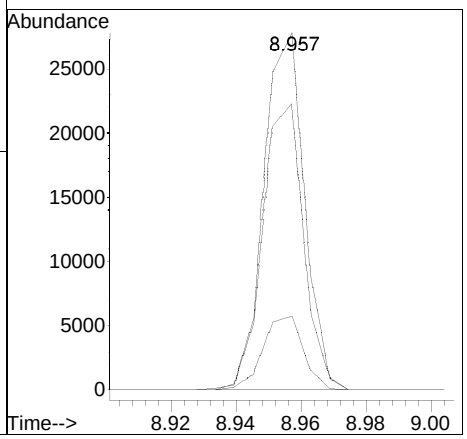


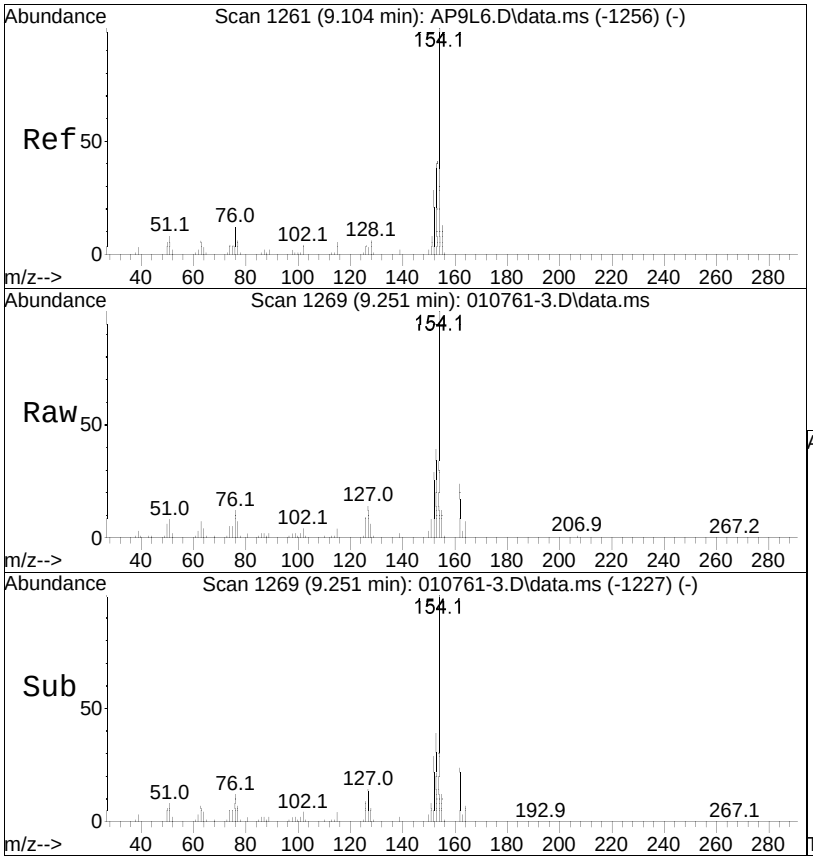


#61
1,2,4,5-Tetrachlorobenzene
Concen: 0.94 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. -0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:216 Resp: 24059

Ion	Ratio	Lower	Upper
216	100		
214	80.9	63.7	95.5
179	20.7	19.0	28.6

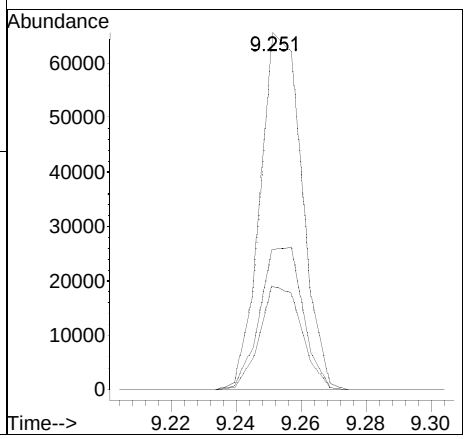


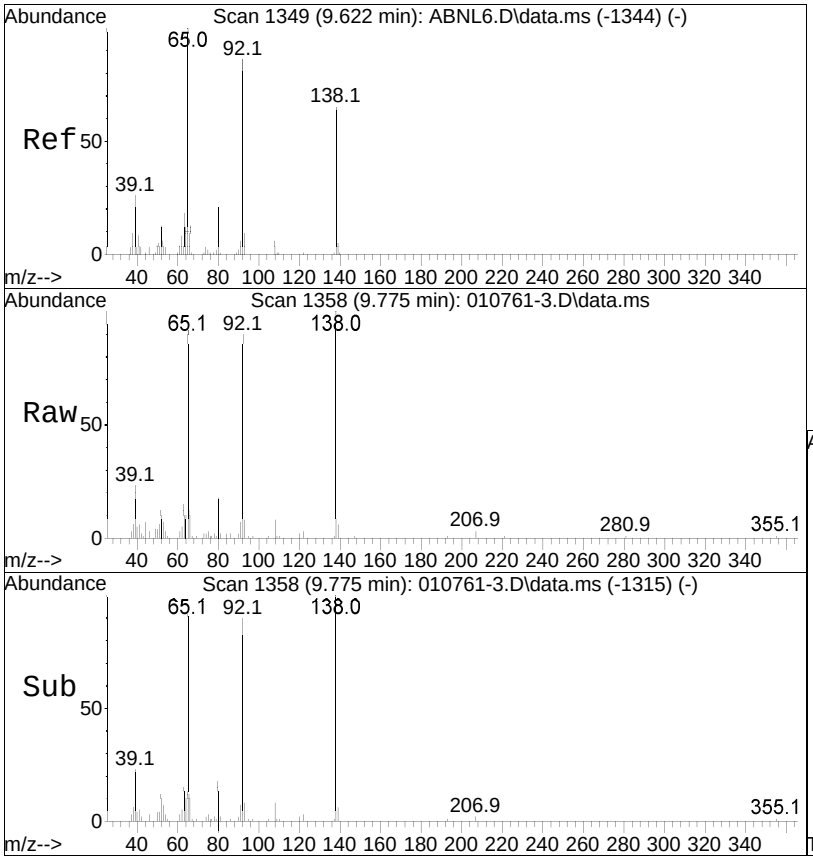


#62
Biphenyl
Concen: 1.01 ug/ml
RT: 9.251 min Scan# 1269
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:154 Resp: 58339

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.3	48.5
152	29.5	22.5	33.7

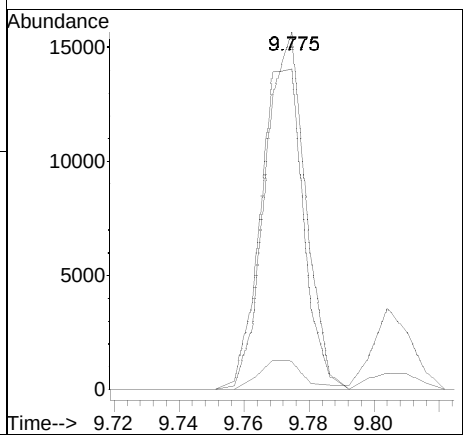


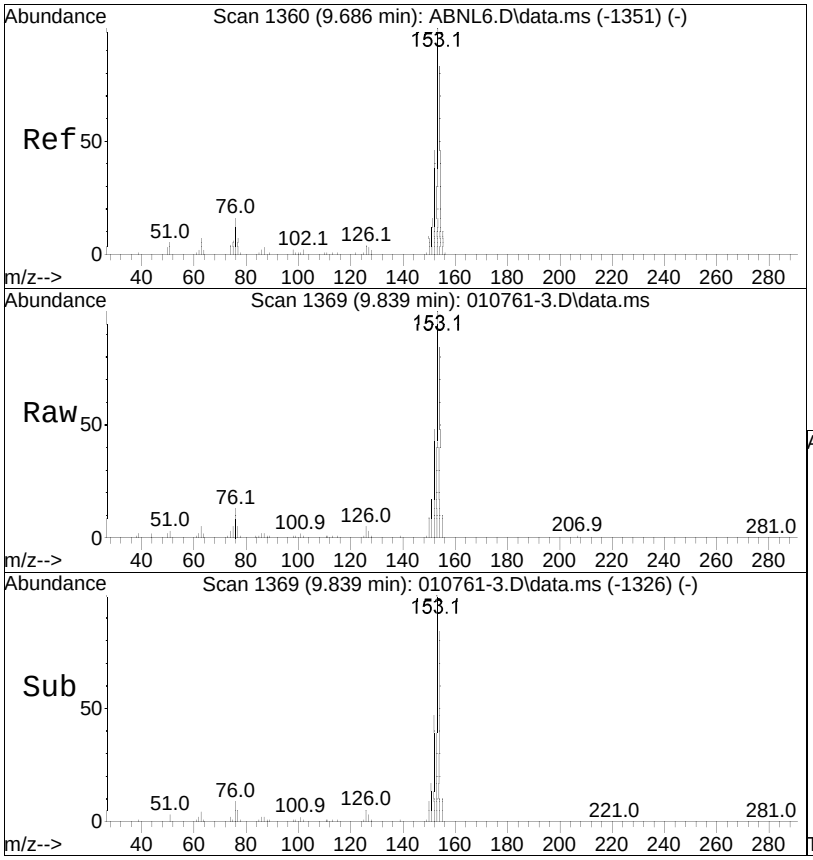


#64
3-Nitroaniline
Concen: 1.09 ug/ml
RT: 9.775 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:138 Resp: 13361

Ion	Ratio	Lower	Upper
138	100		
92	96.1	93.4	140.2
108	9.5	9.5	14.3#

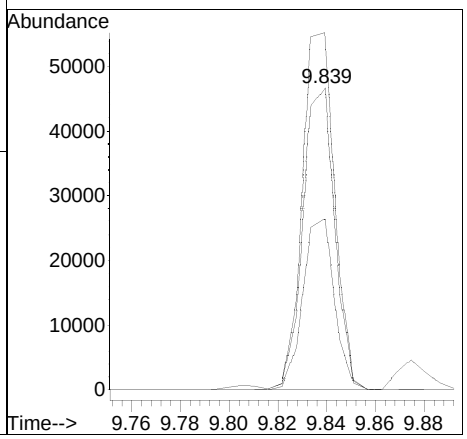


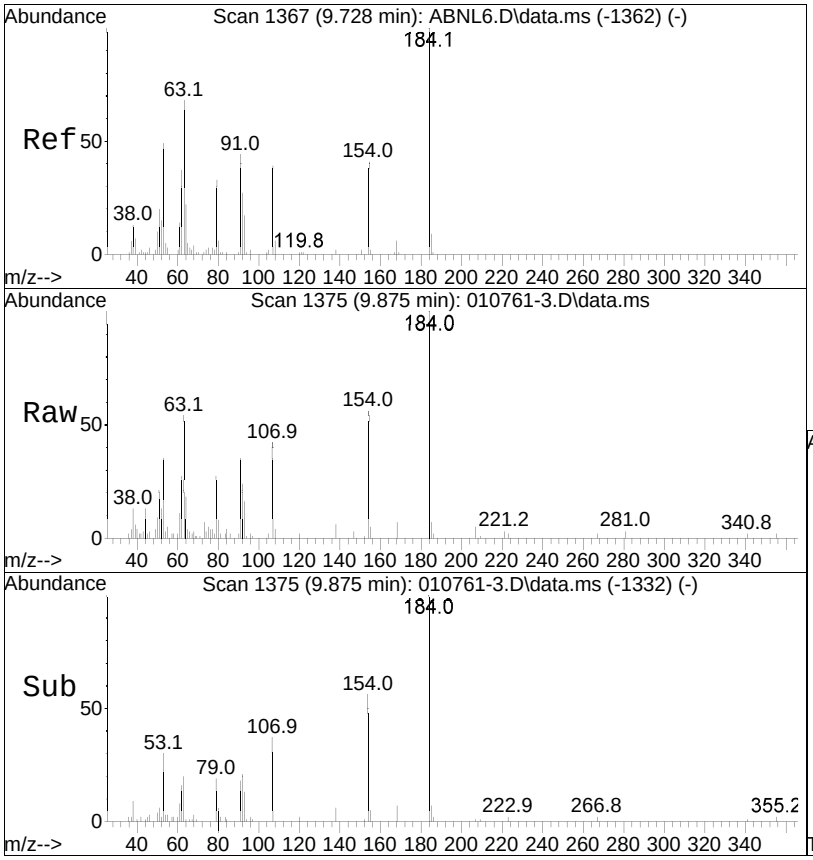


#65
Acenaphthene
Concen: 0.98 ug/ml
RT: 9.839 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:154 Resp: 42827

Ion	Ratio	Lower	Upper
154	100		
153	118.7	85.3	127.9
152	55.6	41.4	62.0

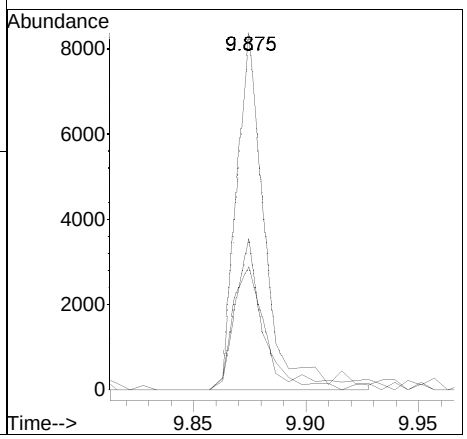


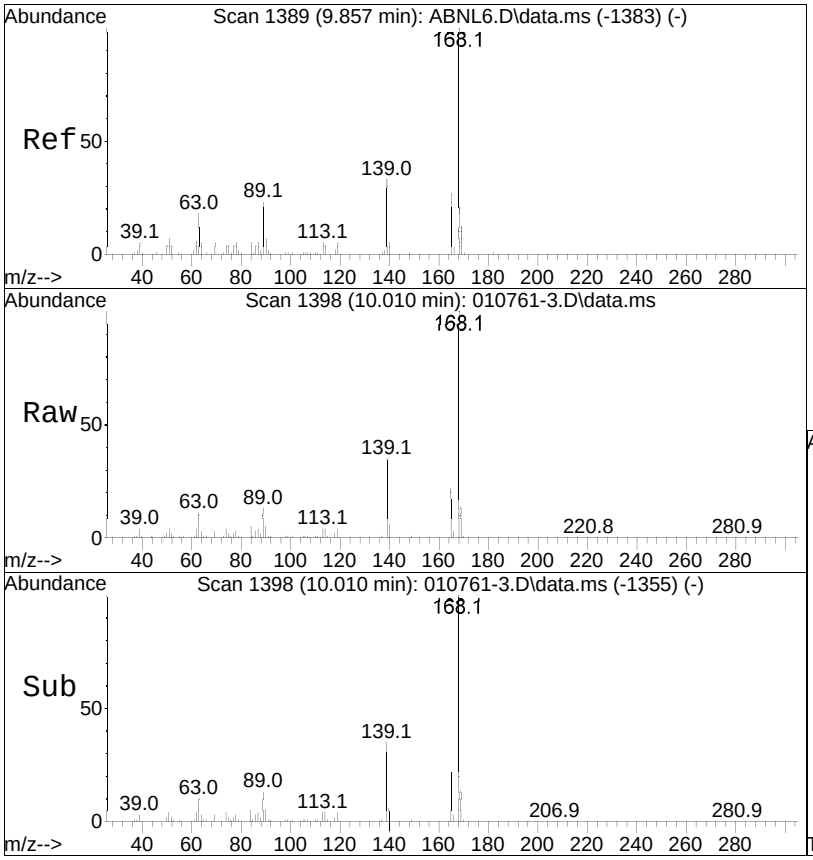


#66
2,4-Dinitrophenol
Concen: 1.96 ug/ml
RT: 9.875 min Scan# 1375
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:184 Resp: 7390

Ion	Ratio	Lower	Upper
184	100		
107	40.2	37.7	56.5
91	41.3	46.3	69.5#

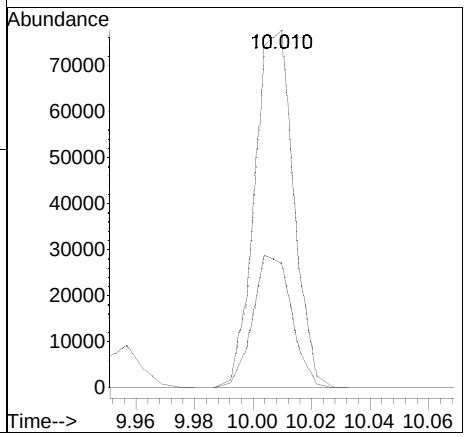


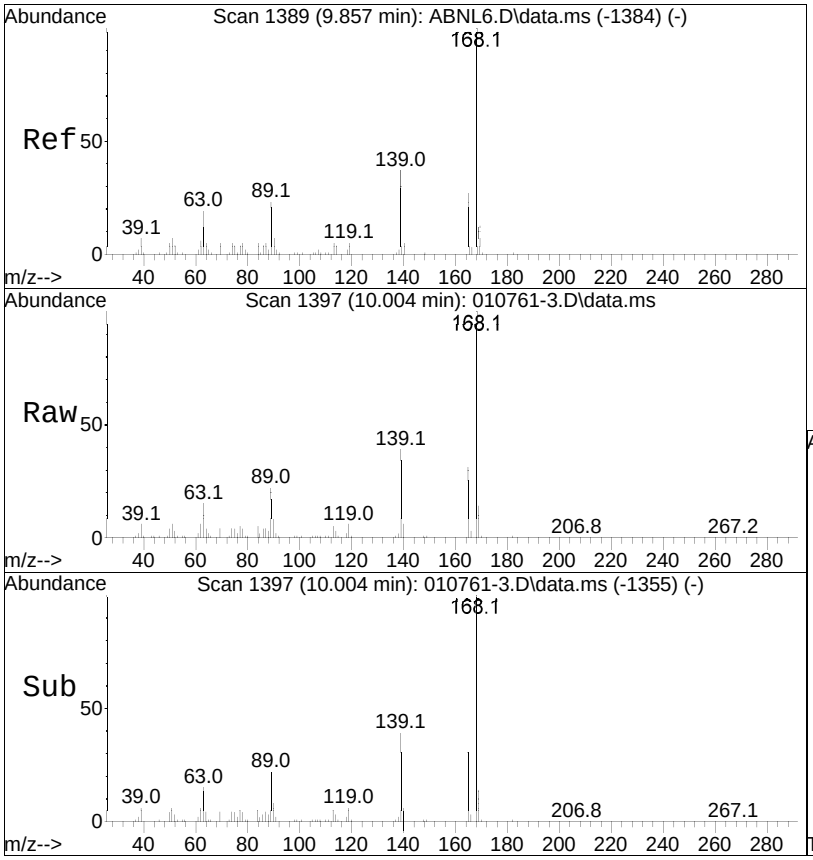


#67
Dibenzofuran
Concen: 1.00 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:168 Resp: 71121

Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.4	47.2

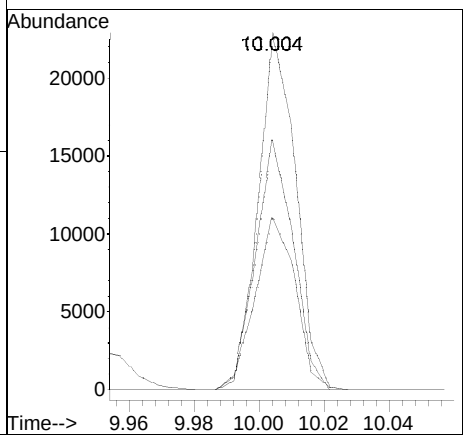


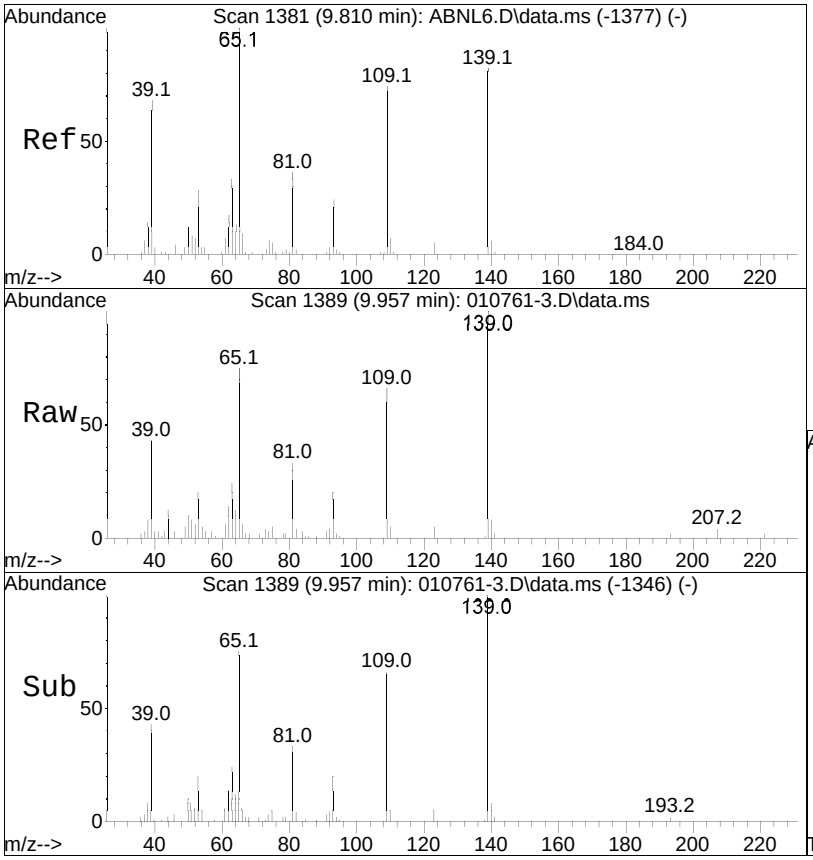


#68
2,4-Dinitrotoluene
Concen: 1.15 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:165 Resp: 18205

Ion	Ratio	Lower	Upper
165	100		
89	70.4	72.0	108.0#
63	52.1	52.7	79.1#

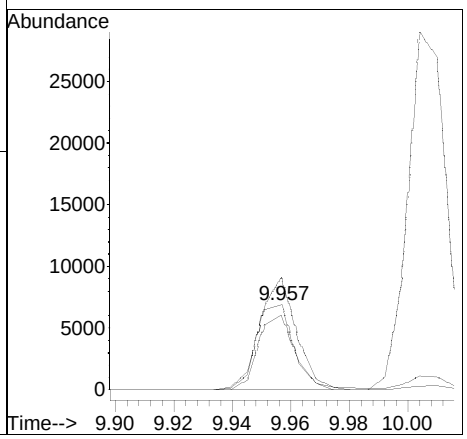


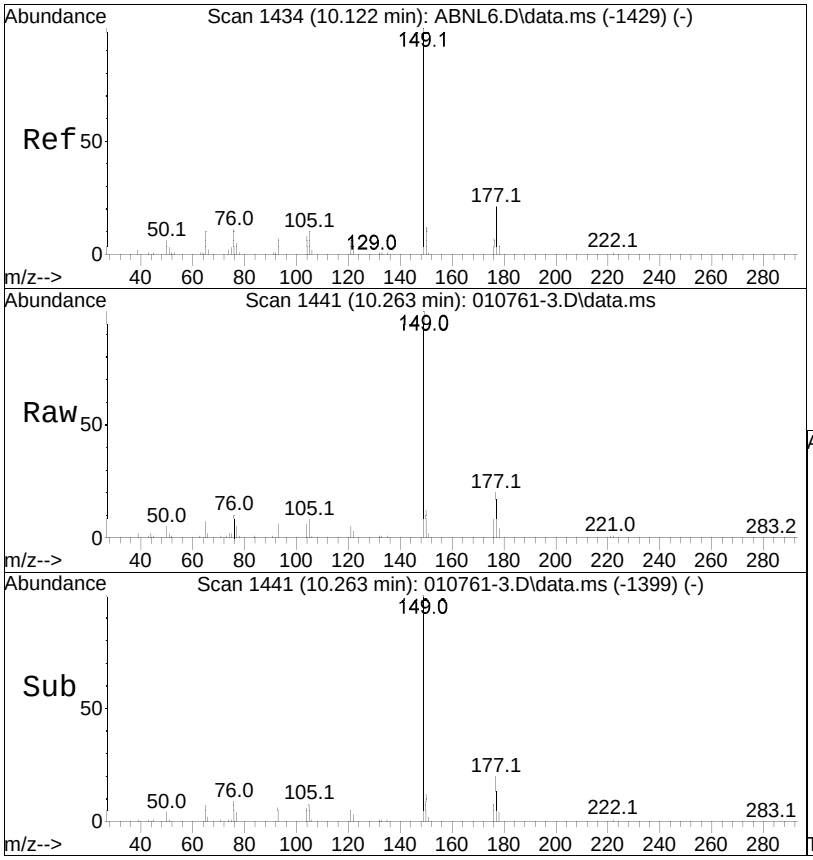


#69
4-Nitrophenol
Concen: 0.71 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion: 65 Resp: 6421

Ion	Ratio	Lower	Upper
65	100		
109	81.3	47.4	71.2#
139	122.6	76.6	115.0#

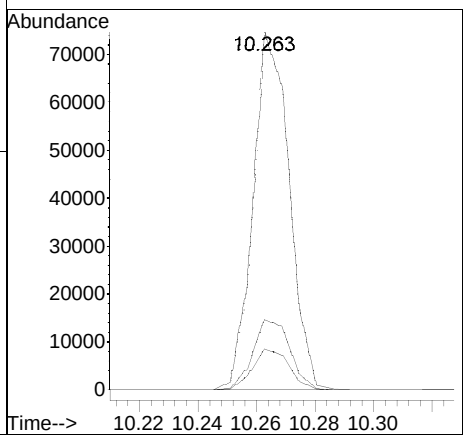


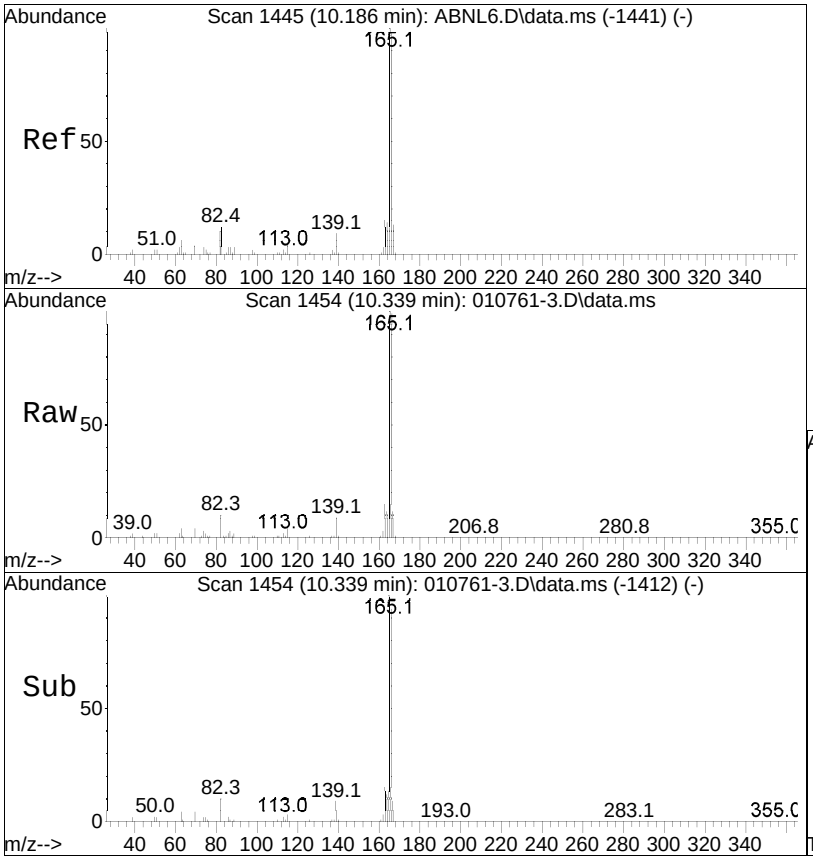


#72
Diethyl phthalate
Concen: 1.10 ug/ml
RT: 10.263 min Scan# 1441
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:149 Resp: 63094

Ion	Ratio	Lower	Upper
149	100		
177	20.3	16.1	24.1
150	11.8	9.4	14.2

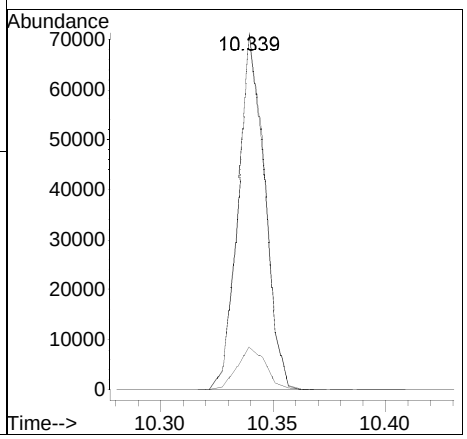


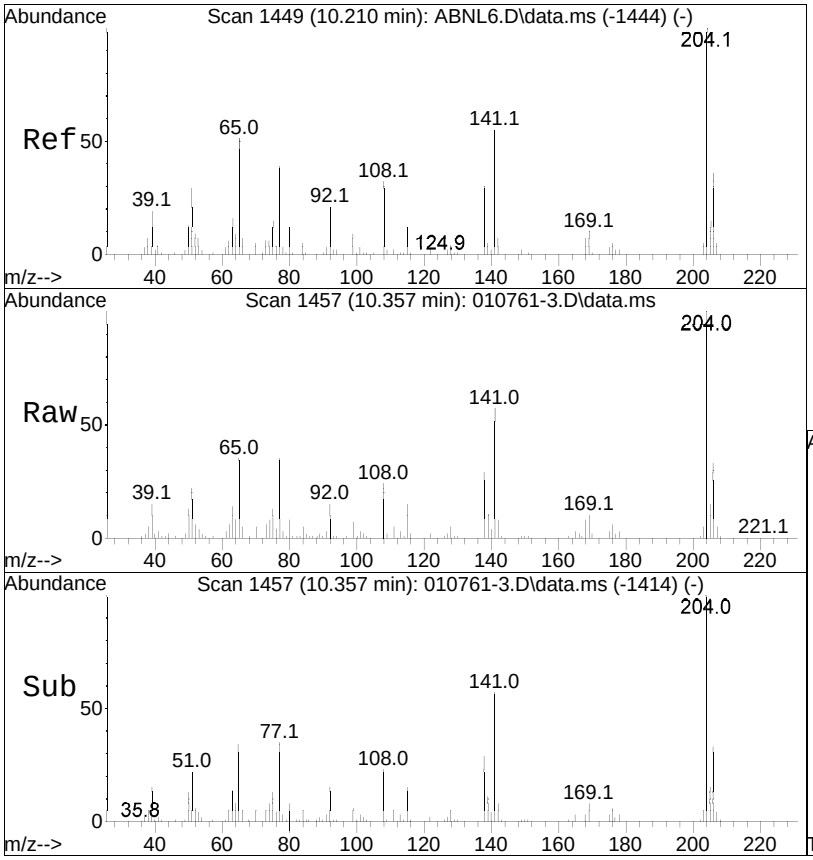


#73
Fluorene
Concen: 1.04 ug/ml
RT: 10.339 min Scan# 1454
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:166 Resp: 57832

Ion	Ratio	Lower	Upper
166	100		
165	101.1	76.2	114.2
167	13.3	10.6	15.8

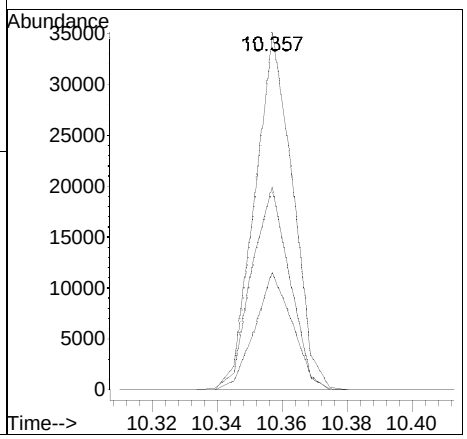


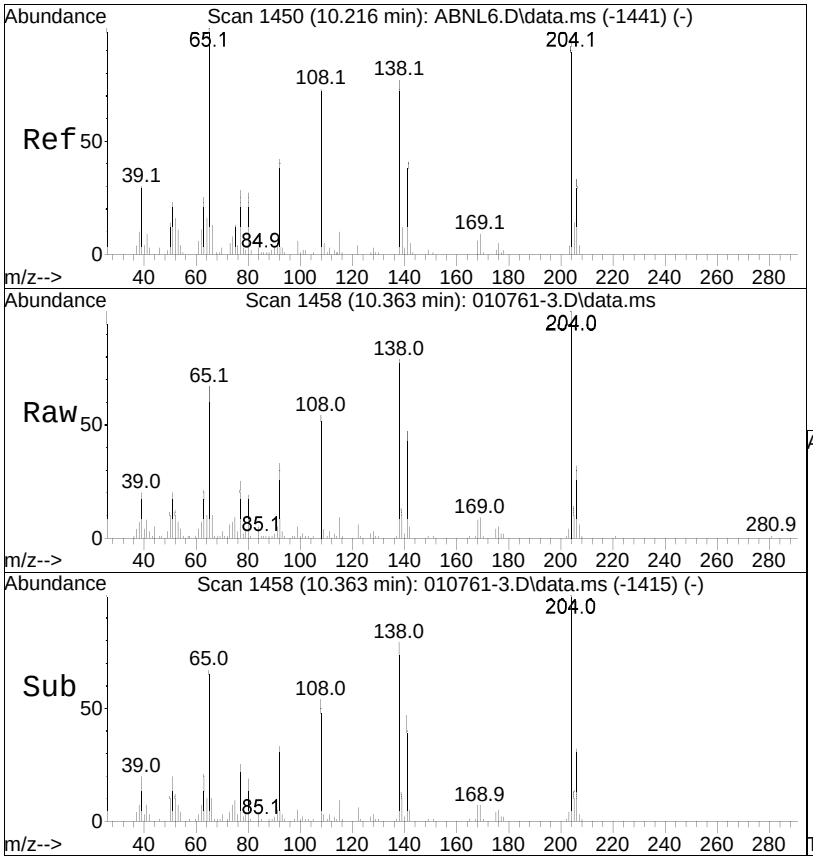


#74
4-Chlorophenyl phenyl ether
Concen: 0.99 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:204 Resp: 28154

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	57.3	53.6	80.4

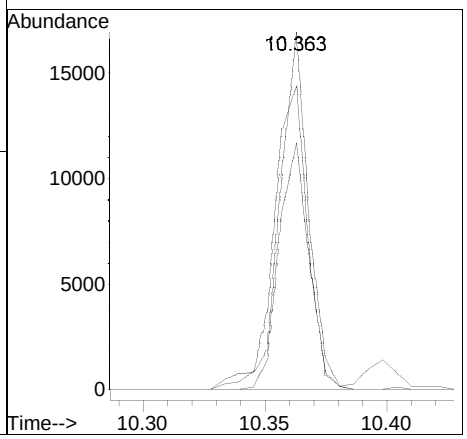


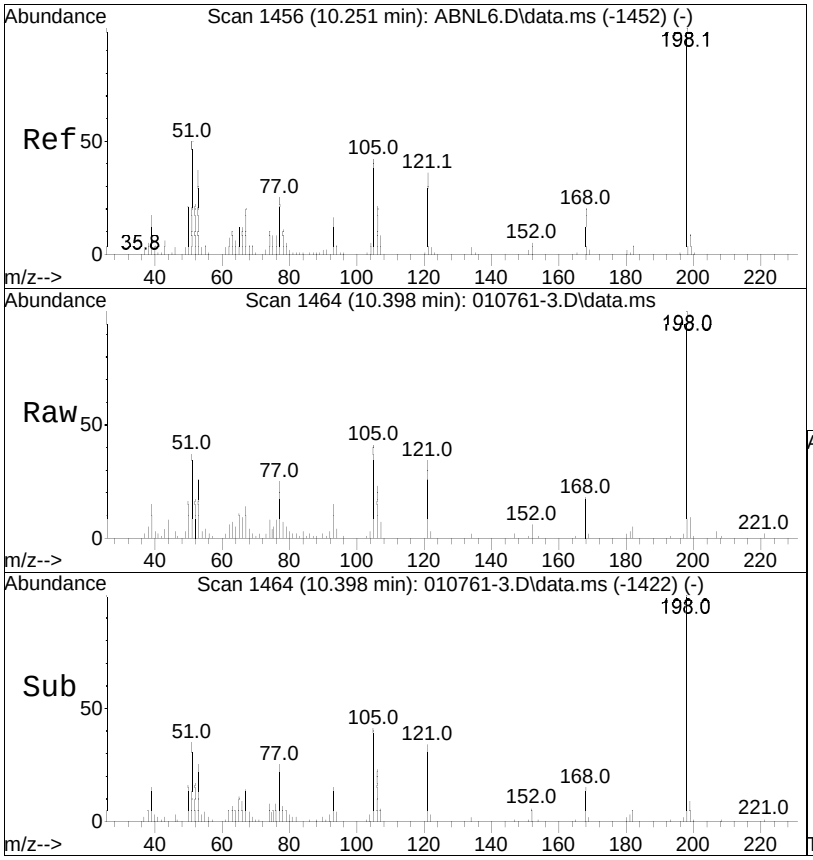


#75
4-Nitroaniline
Concen: 1.13 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:138 Resp: 14057

Ion	Ratio	Lower	Upper
138	100		
108	70.8	52.1	78.1
65	96.6	115.0	172.6#

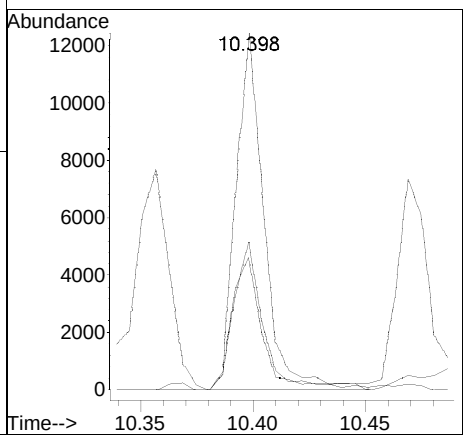


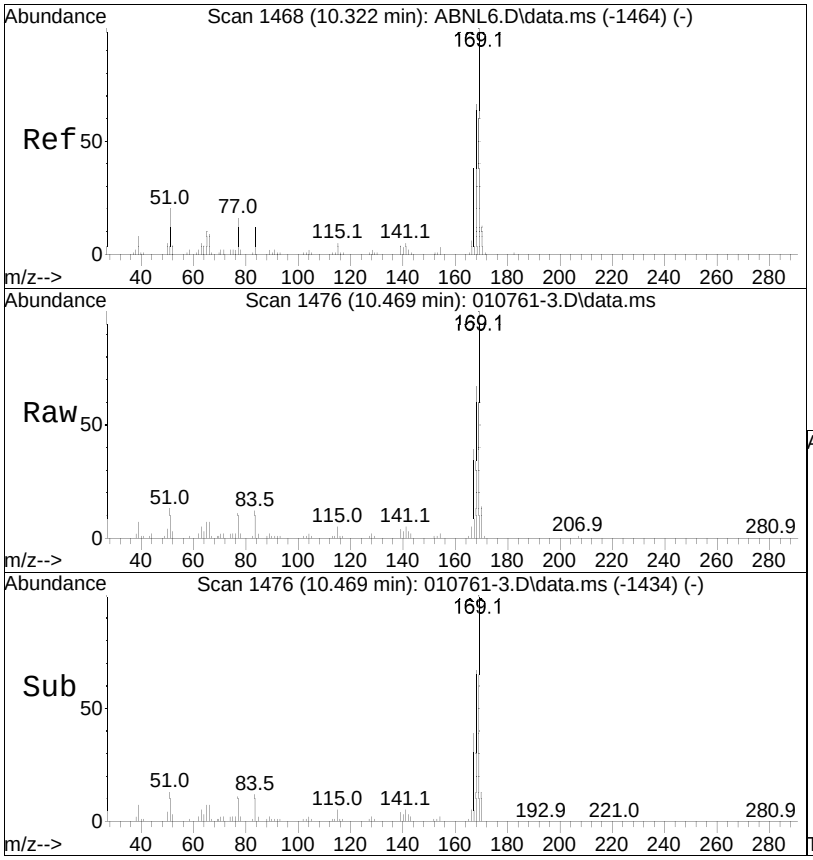


#76
4,6-Dinitro-o-cresol
Concen: 1.28 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:198 Resp: 10792

Ion	Ratio	Lower	Upper
198	100		
51	39.8	76.0	114.0#
105	44.4	45.6	68.4#

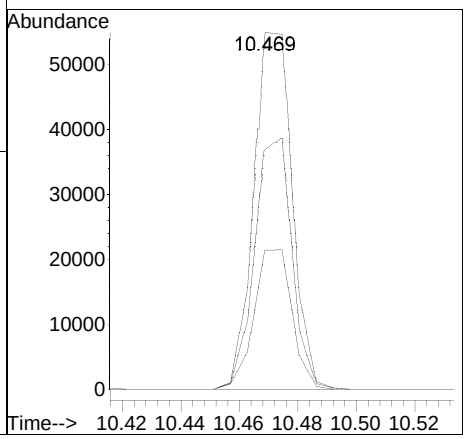


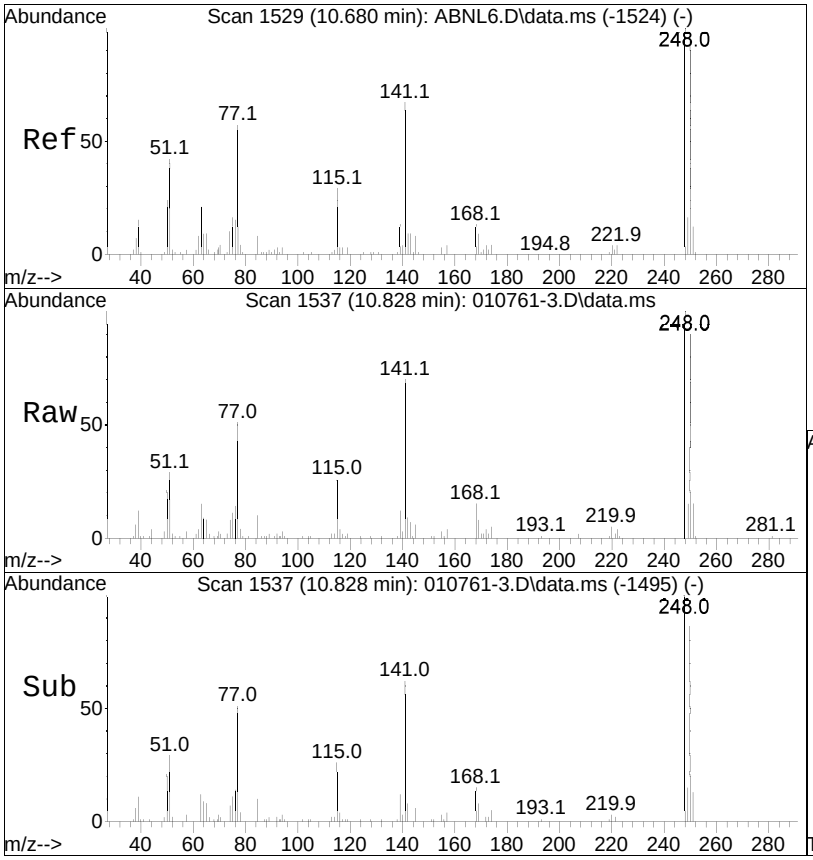


#77
NDPA/DPA
Concen: 1.05 ug/ml
RT: 10.469 min Scan# 1476
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:169 Resp: 50066

Ion	Ratio	Lower	Upper
169	100		
168	68.7	54.0	81.0
167	39.1	28.6	42.8

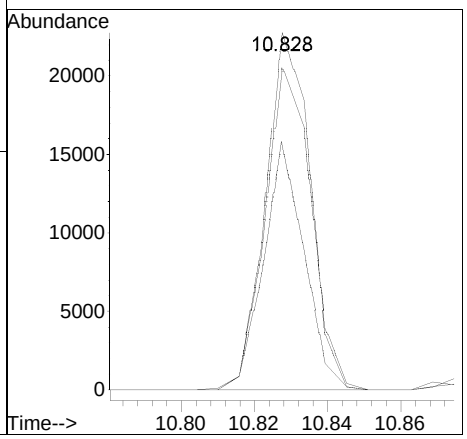


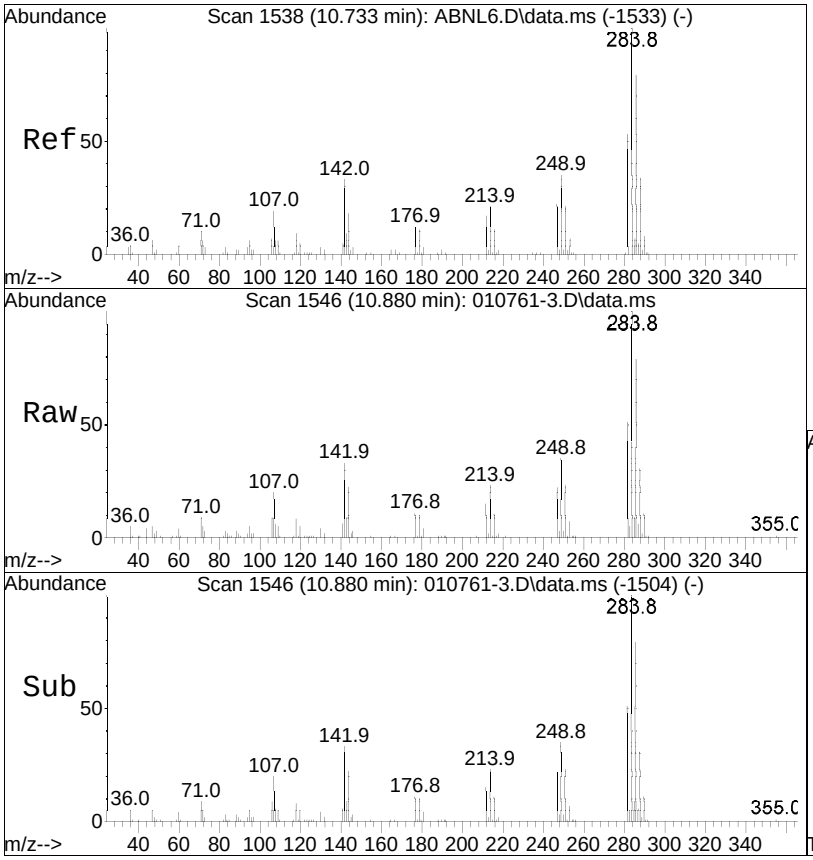


#80
4-Bromophenyl phenyl ether
Concen: 1.09 ug/ml
RT: 10.828 min Scan# 1537
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:248 Resp: 19241

Ion	Ratio	Lower	Upper
248	100		
141	63.4	76.6	114.8#
250	93.3	77.3	115.9

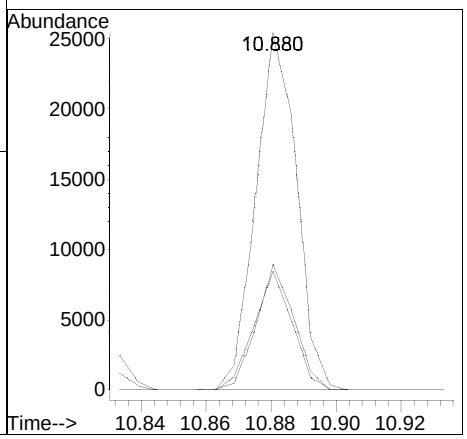


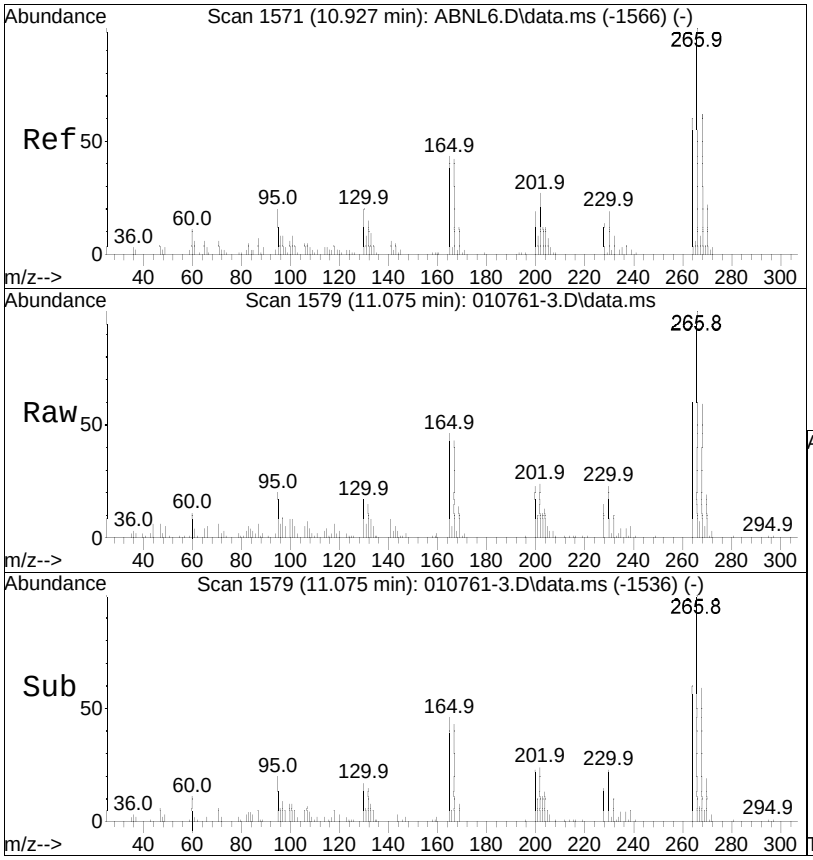


#81
Hexachlorobenzene
Concen: 1.11 ug/ml
RT: 10.880 min Scan# 1546
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:284 Resp: 22110

Ion	Ratio	Lower	Upper
284	100		
142	31.5	41.9	62.9#
249	32.5	24.1	36.1

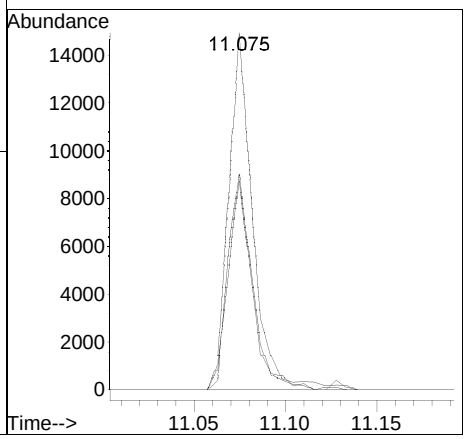


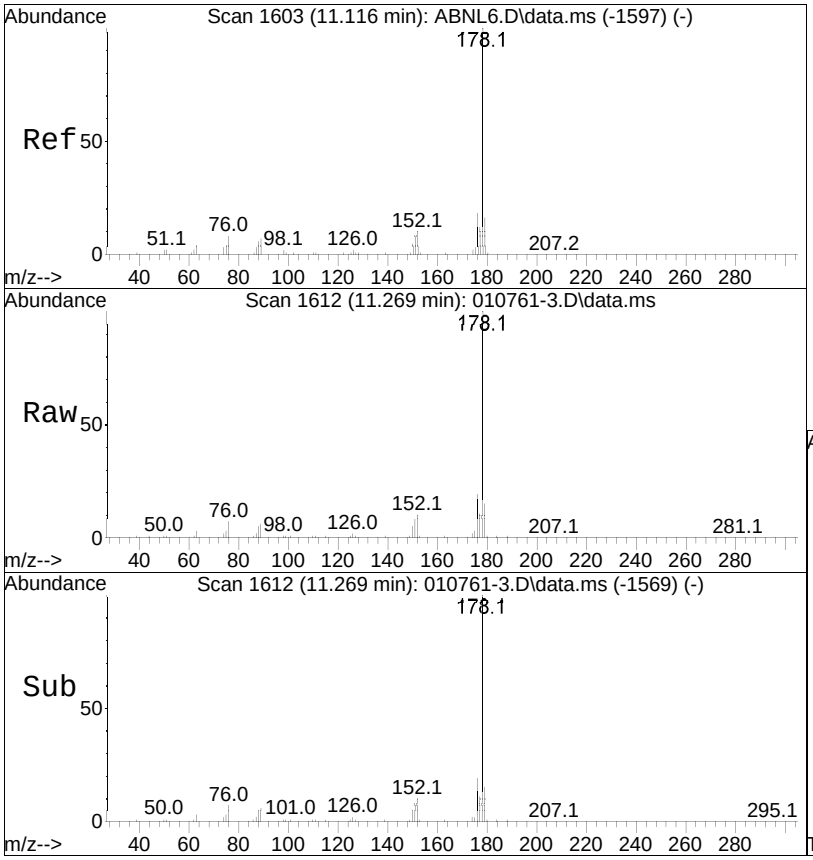


#82
Pentachlorophenol
Concen: 1.14 ug/ml
RT: 11.075 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:266 Resp: 13728

Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.7	74.5
268	58.8	50.5	75.7

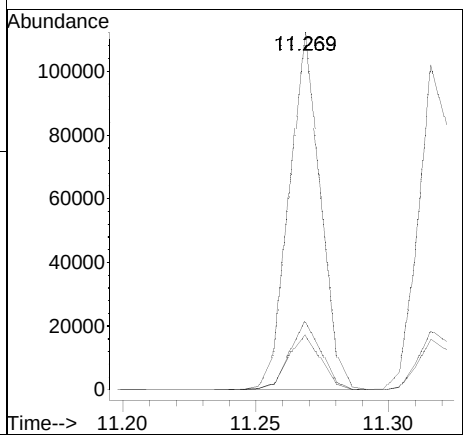


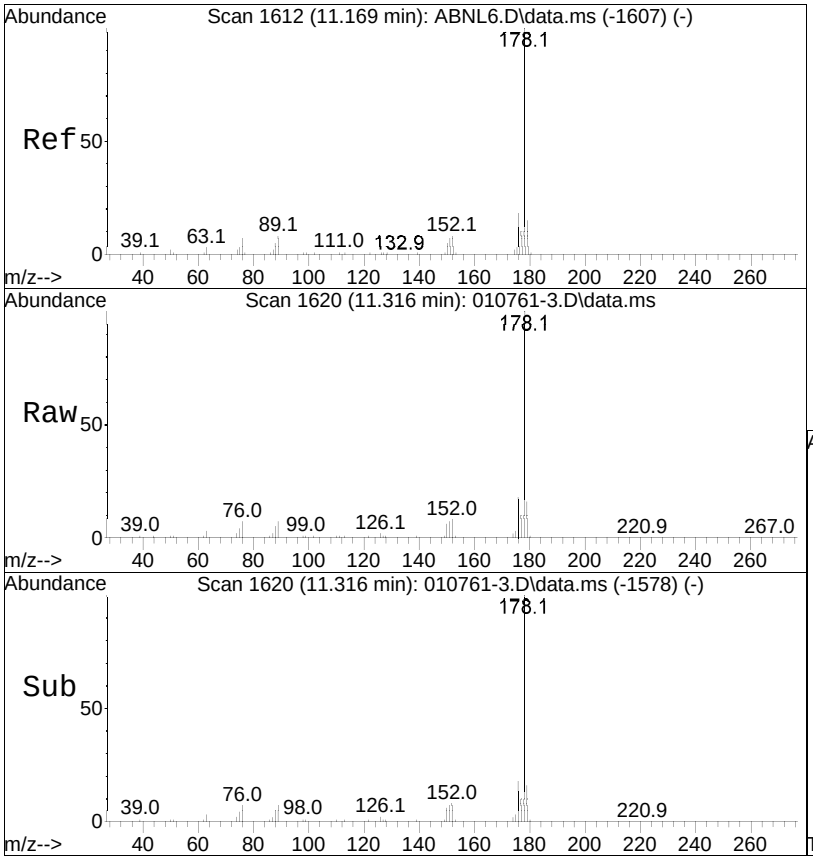


#89
Phenanthrene
Concen: 1.04 ug/ml
RT: 11.269 min Scan# 1612
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:178 Resp: 92175

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.2
176	19.2	15.4	23.2

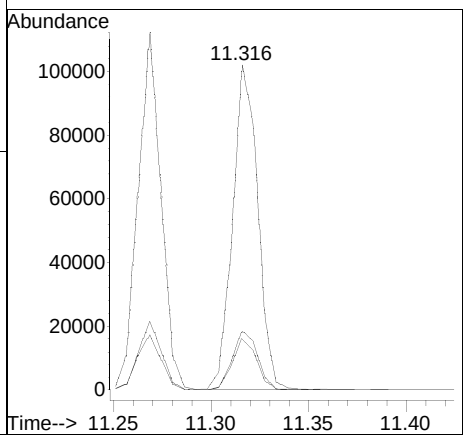


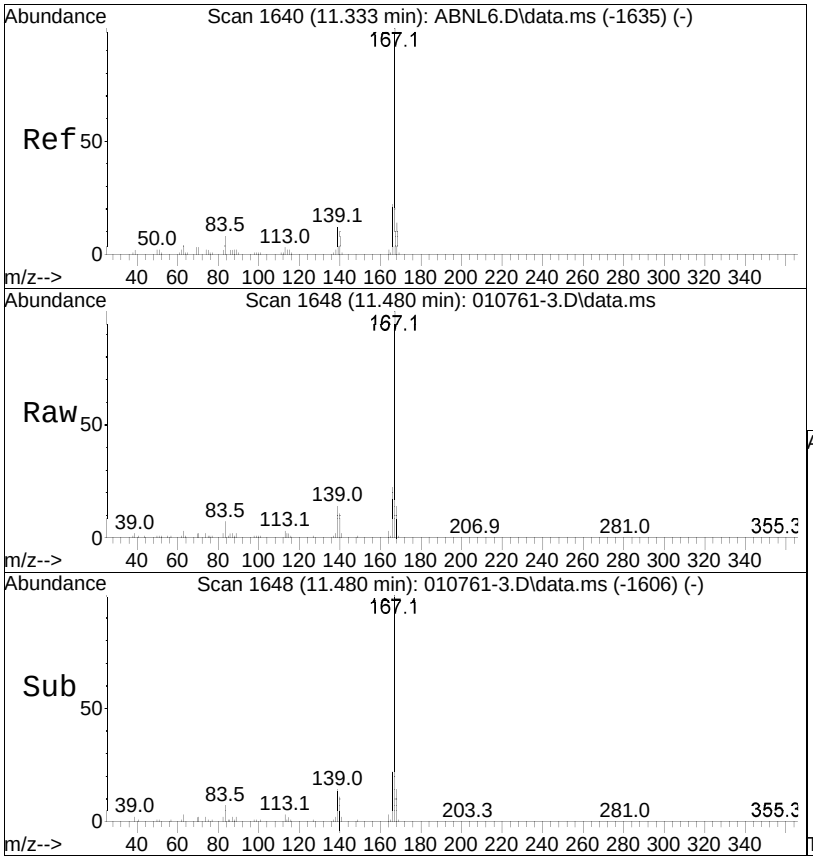


#90
Anthracene
Concen: 1.04 ug/ml
RT: 11.316 min Scan# 1620
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:178 Resp: 91369

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	18.2	14.6	22.0

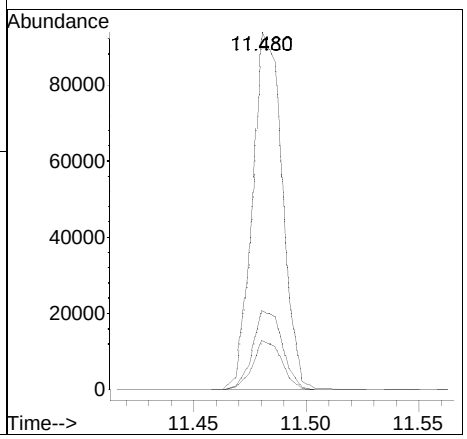


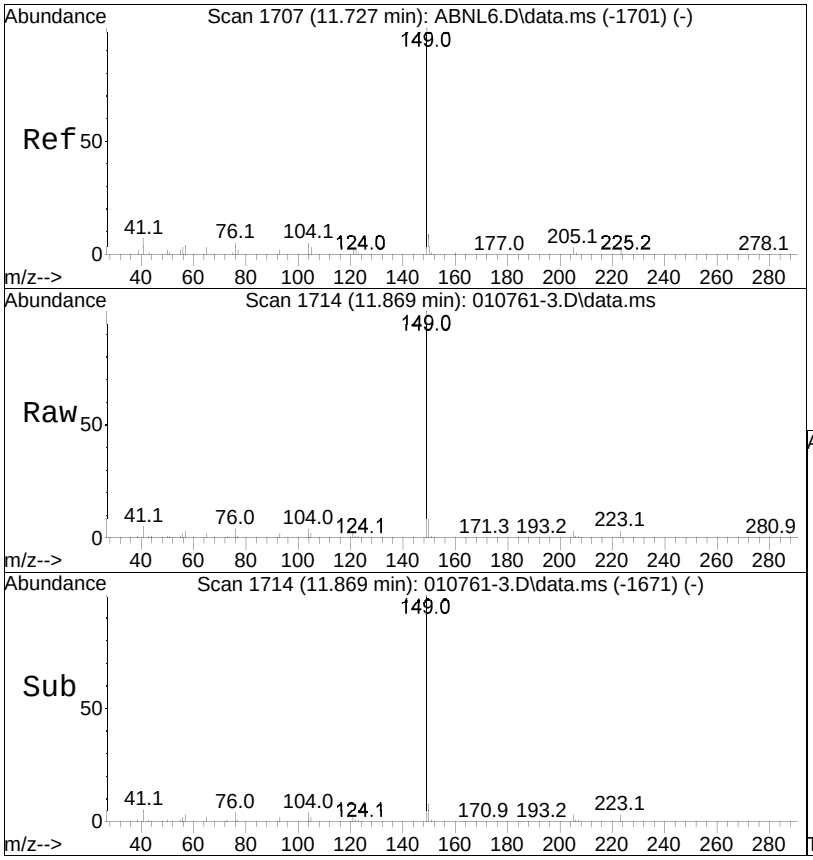


#91
Carbazole
Concen: 1.08 ug/ml
RT: 11.480 min Scan# 1648
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:167 Resp: 85561

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	15.8
166	22.1	17.4	26.0

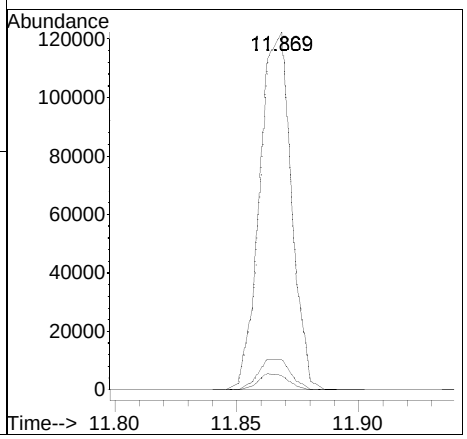


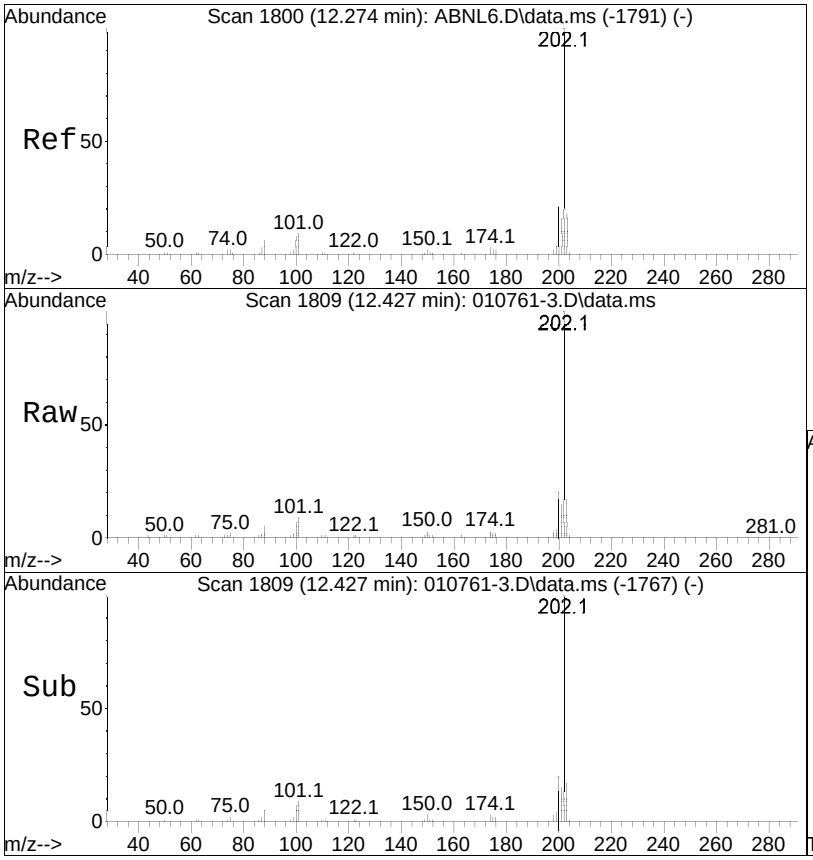


#92
Di-n-butylphthalate
Concen: 1.10 ug/ml
RT: 11.869 min Scan# 1714
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:149 Resp: 108696

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.6	4.5	6.7

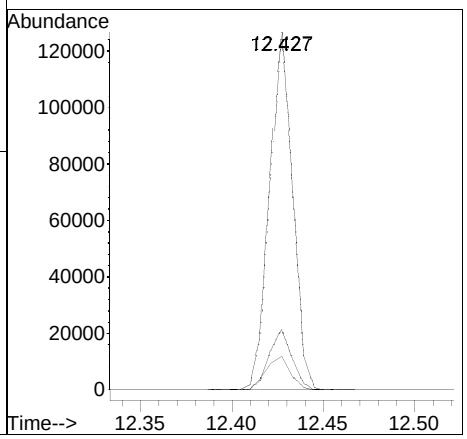


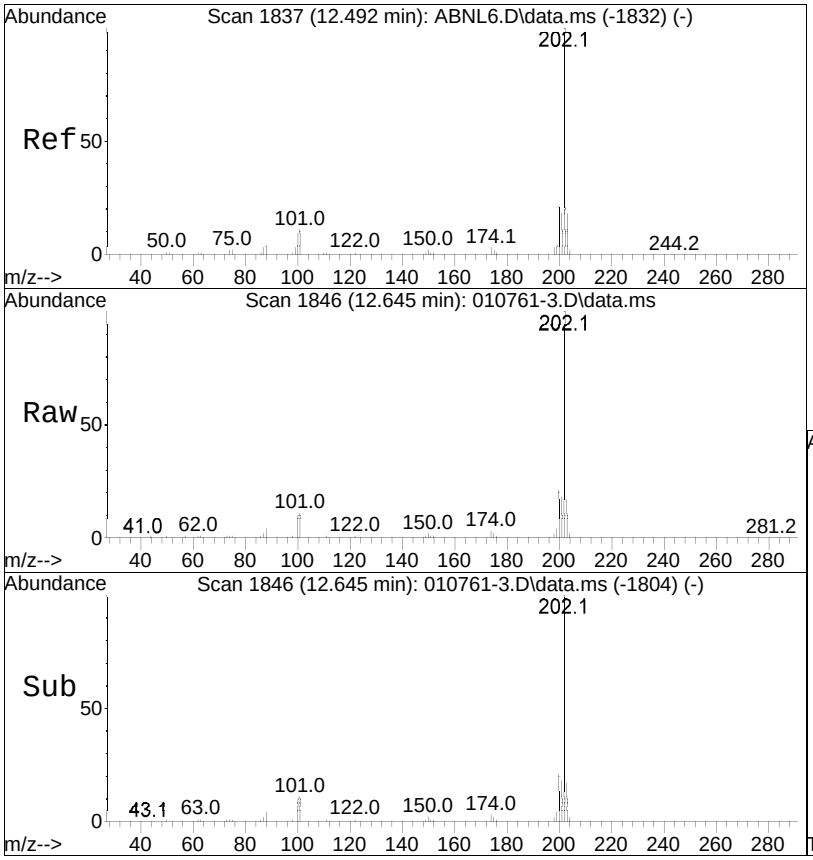


#93
Fluoranthene
Concen: 1.08 ug/ml
RT: 12.427 min Scan# 1809
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:202 Resp: 109986

Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	16.8	13.6	20.4

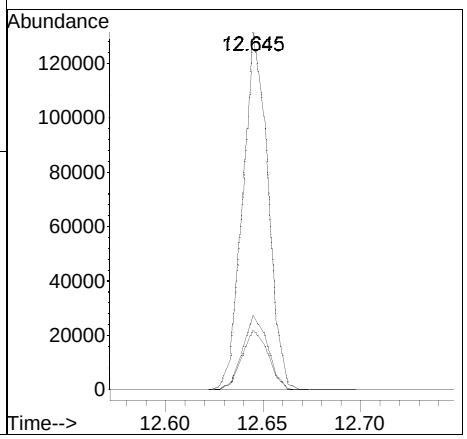


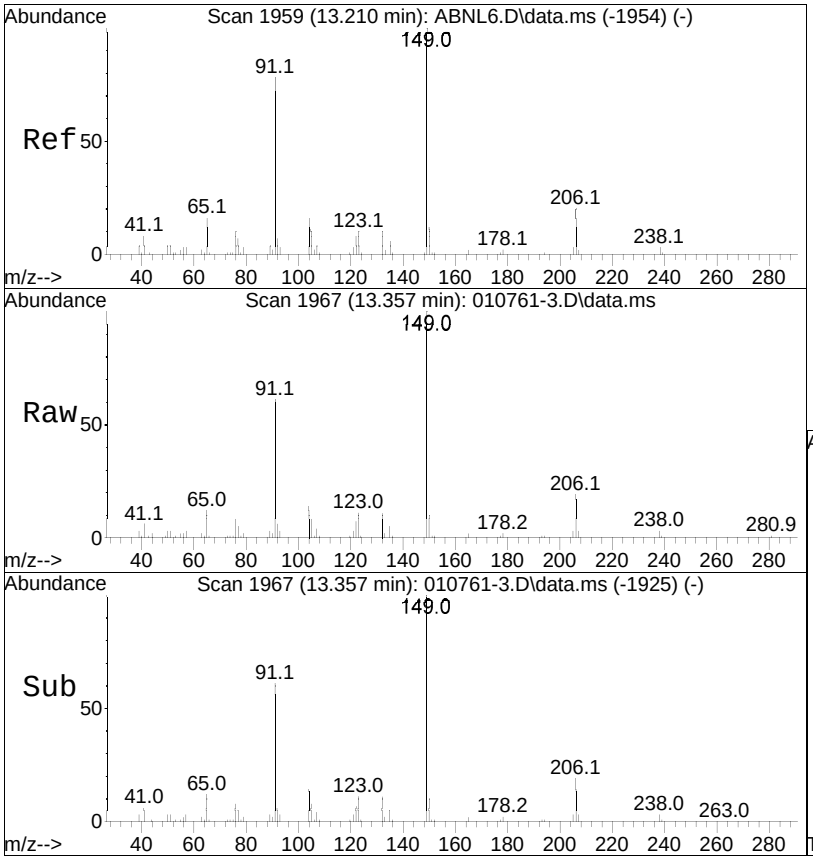


#95
Pyrene
Concen: 1.09 ug/ml
RT: 12.645 min Scan# 1846
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:202 Resp: 117080

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.2	21.4

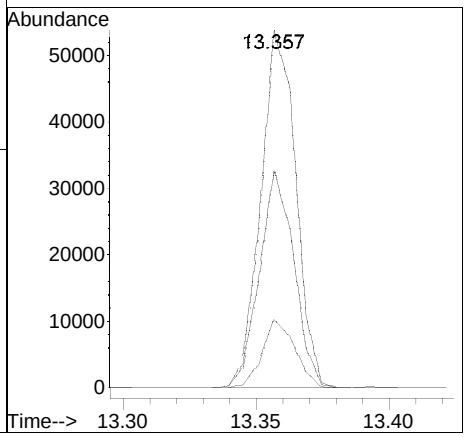


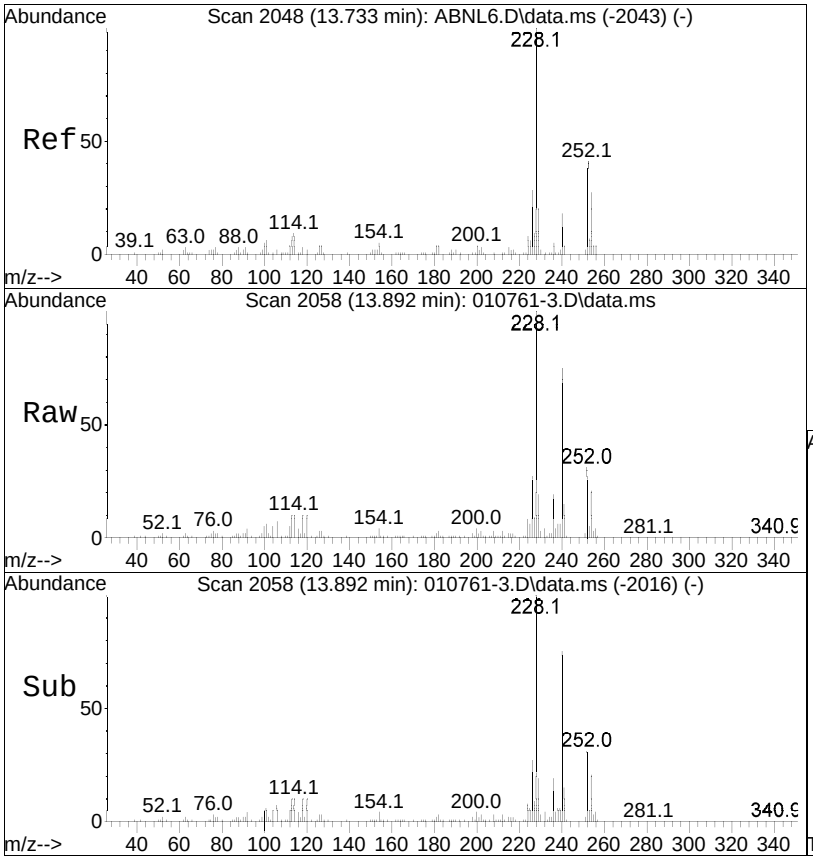


#97
Butyl benzyl phthalate
Concen: 1.16 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:149 Resp: 48596

Ion	Ratio	Lower	Upper
149	100		
91	60.0	63.3	94.9#
206	18.0	13.9	20.9

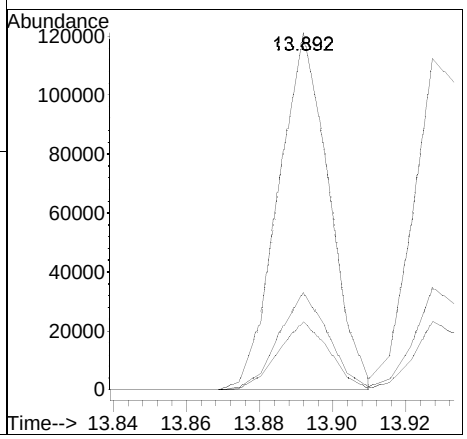


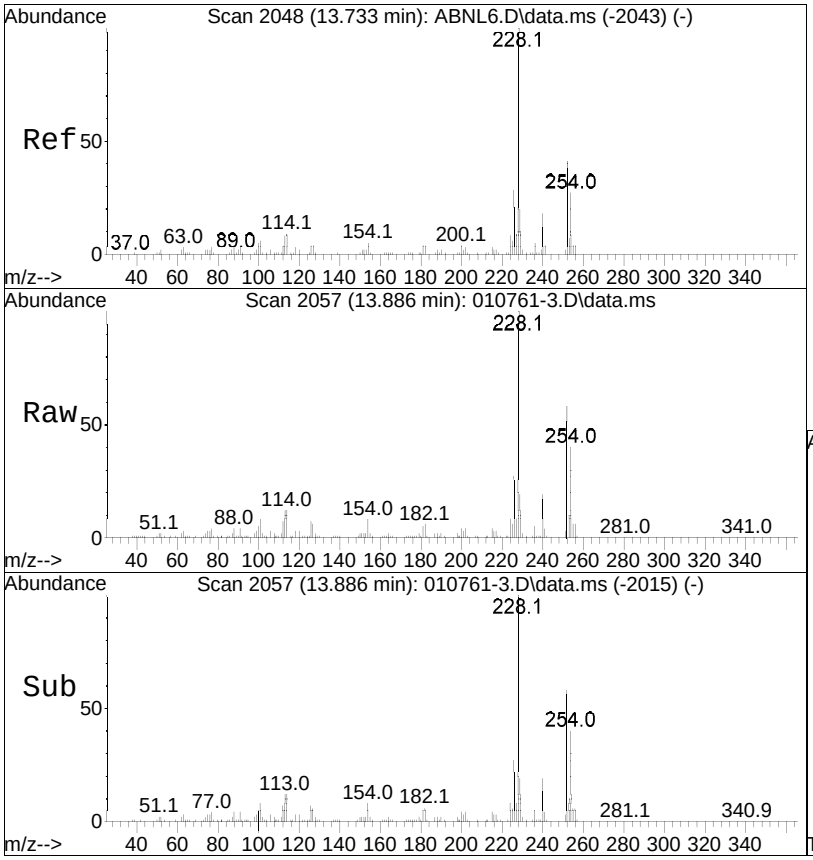


#105
Benzo(a)anthracene
Concen: 1.05 ug/ml
RT: 13.892 min Scan# 2058
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:228 Resp: 116837

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.4
229	19.3	15.6	23.4

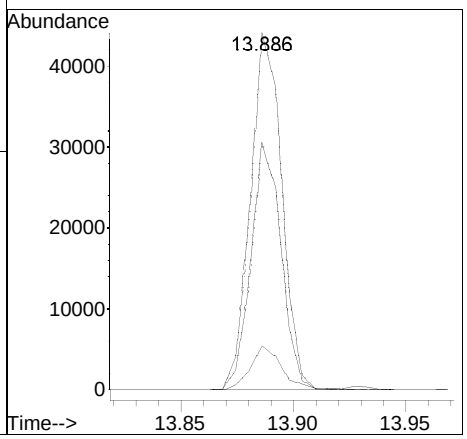


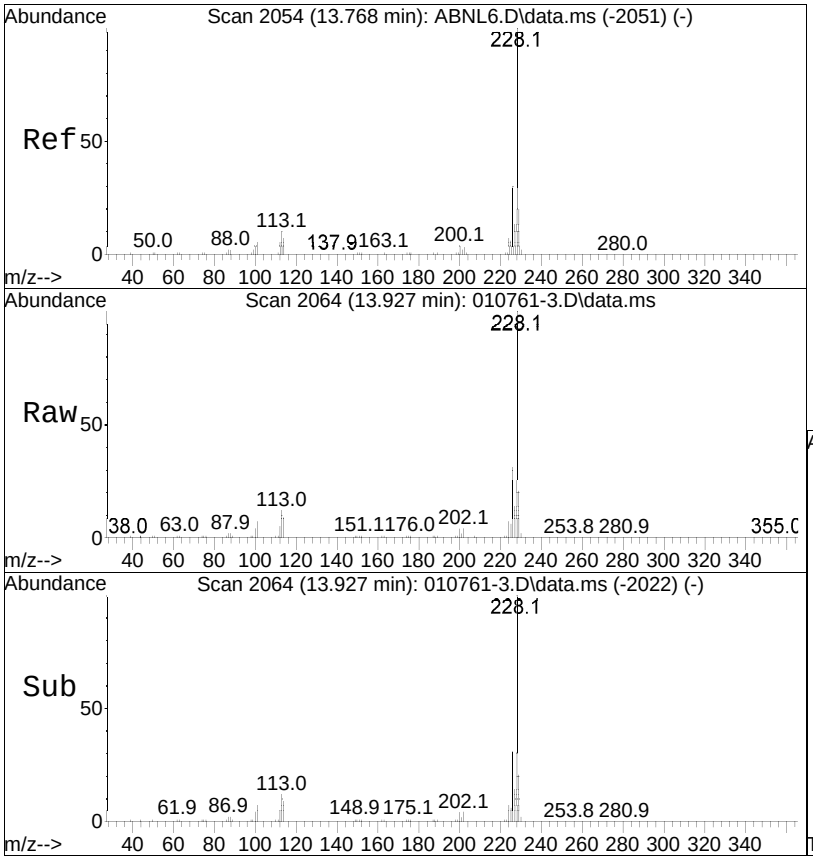


#106
3,3'-Dichlorobenzidine
Concen: 1.17 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:252 Resp: 42613

Ion	Ratio	Lower	Upper
252	100		
126	12.4	14.5	21.7#
254	66.9	51.2	76.8

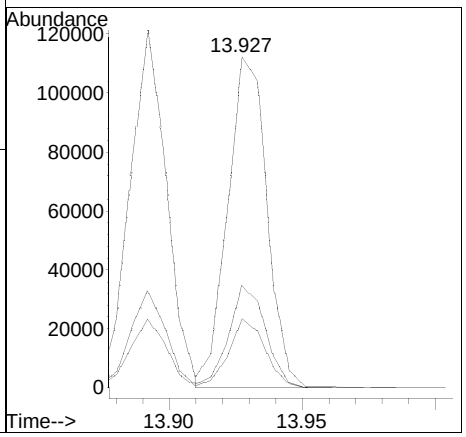


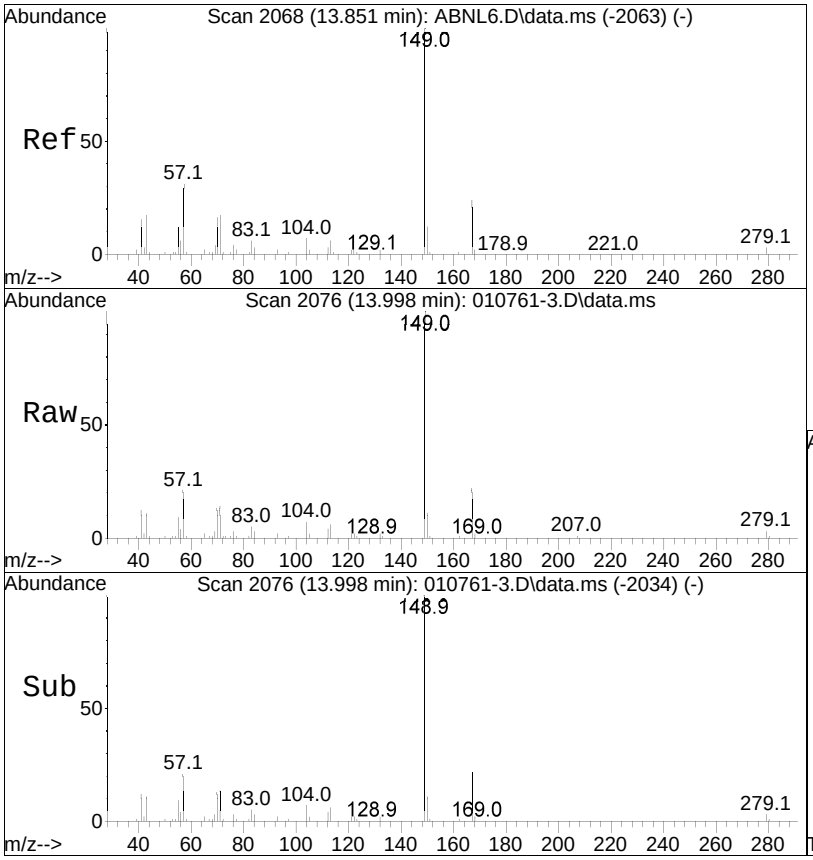


#107
Chrysene
Concen: 1.08 ug/ml
RT: 13.927 min Scan# 2064
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:228 Resp: 115007

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	19.4	15.8	23.8

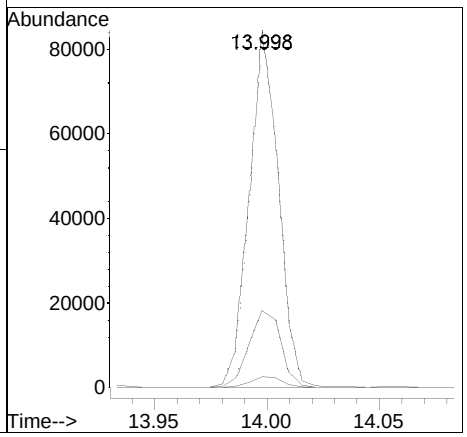


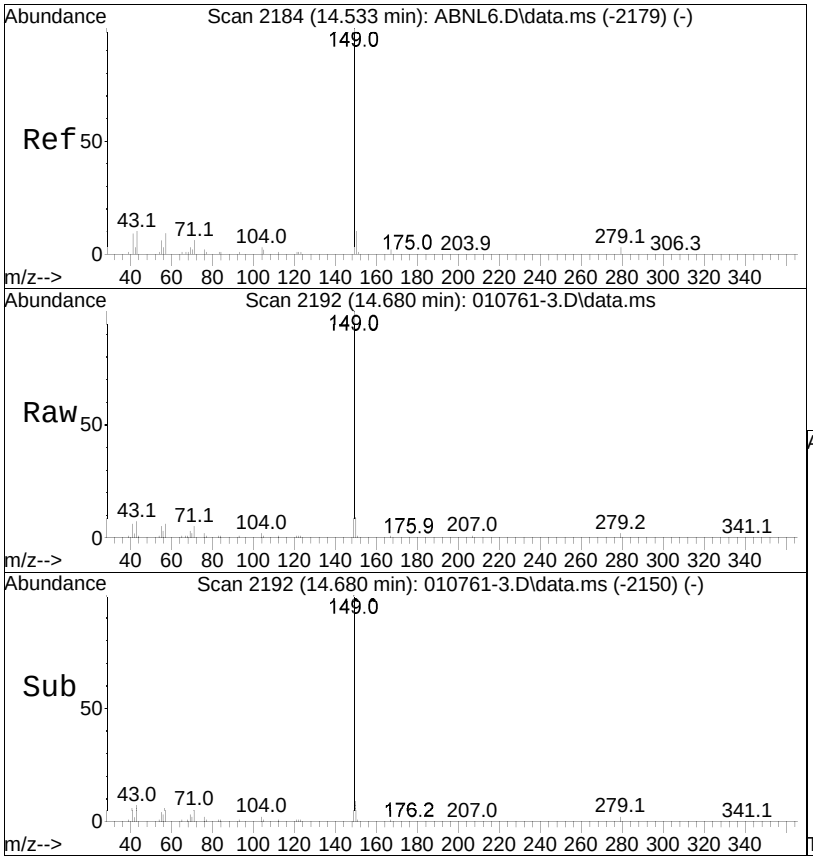


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.13 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:149 Resp: 75385

Ion	Ratio	Lower	Upper
149	100		
167	23.9	22.1	33.1
279	3.1	3.0	4.4

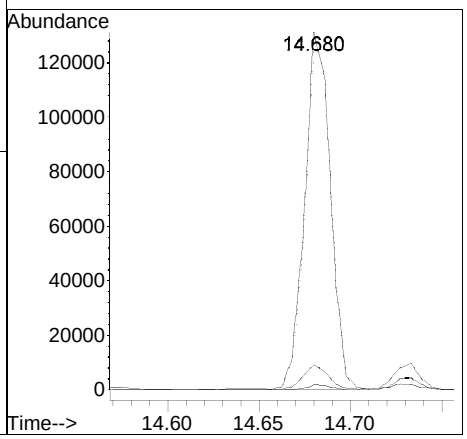


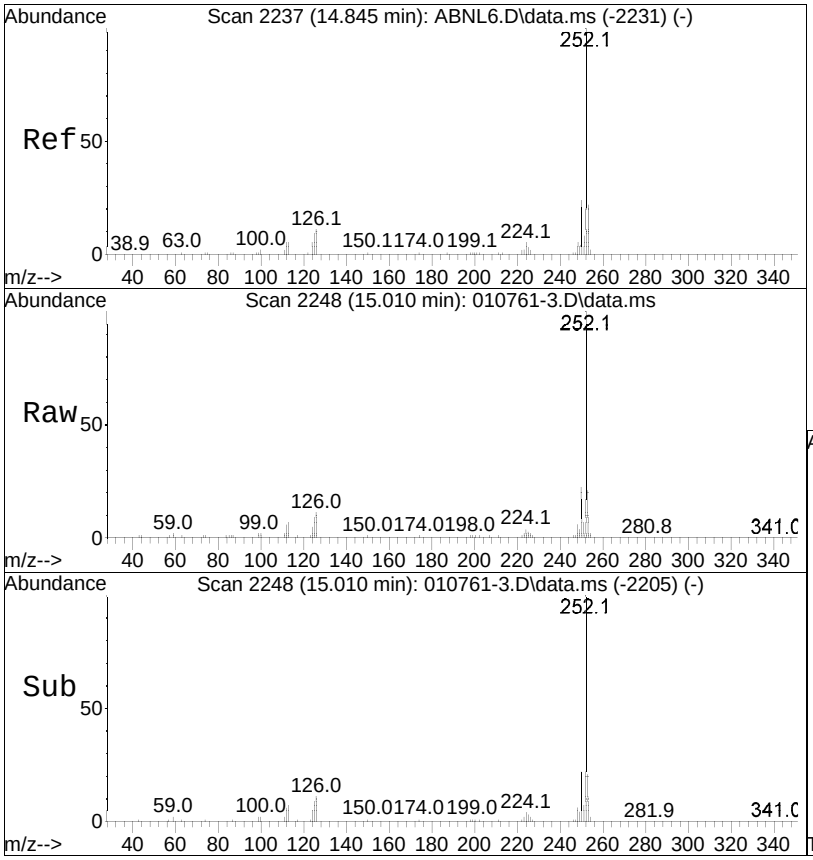


#109
Di-n-octylphthalate
Concen: 1.14 ug/ml
RT: 14.680 min Scan# 2192
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:149 Resp: 126649

Ion	Ratio	Lower	Upper
149	100		
43	6.5	18.8	28.2#
167	1.4	1.3	1.9

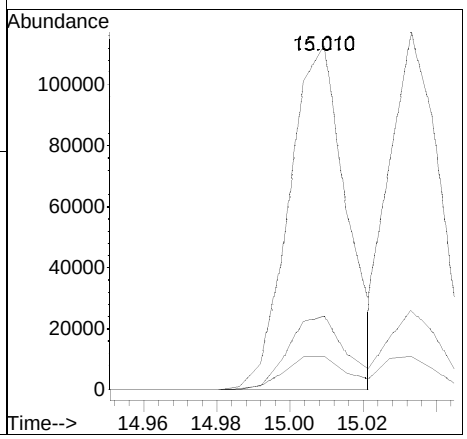


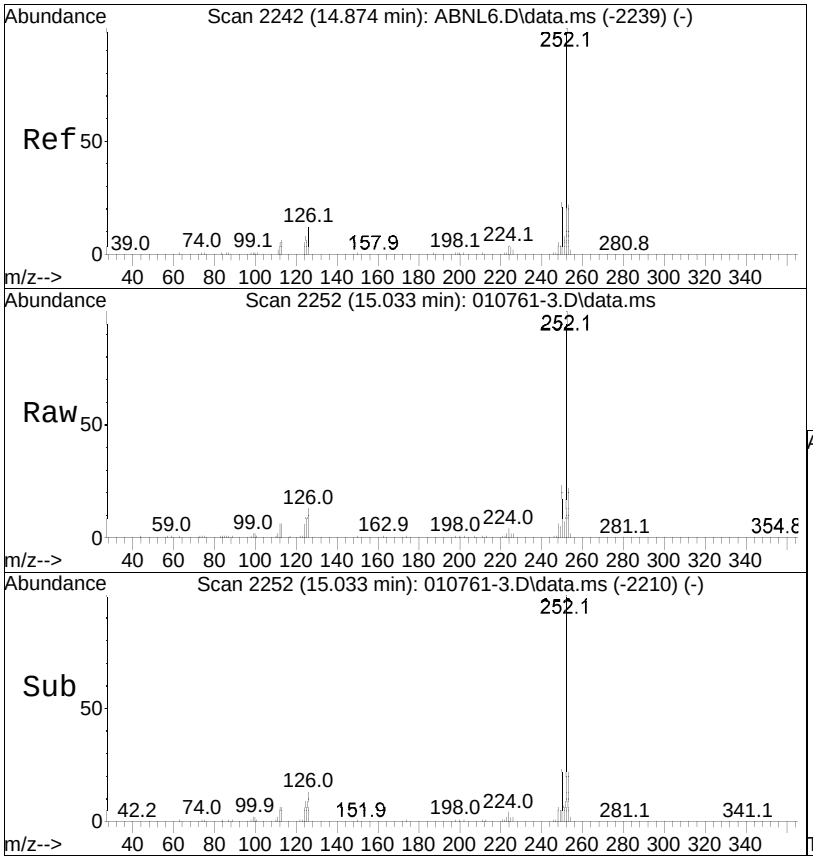


#110
Benzo(b)fluoranthene
Concen: 1.16 ug/ml
RT: 15.010 min Scan# 2248
Delta R.T. 0.000 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:252 Resp: 124930

Ion	Ratio	Lower	Upper
252	100		
125	10.6	13.3	19.9#
253	21.6	17.1	25.7

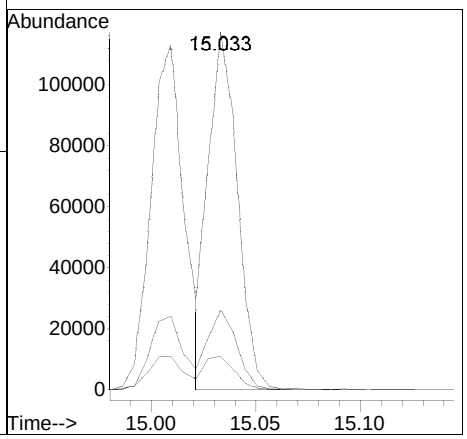


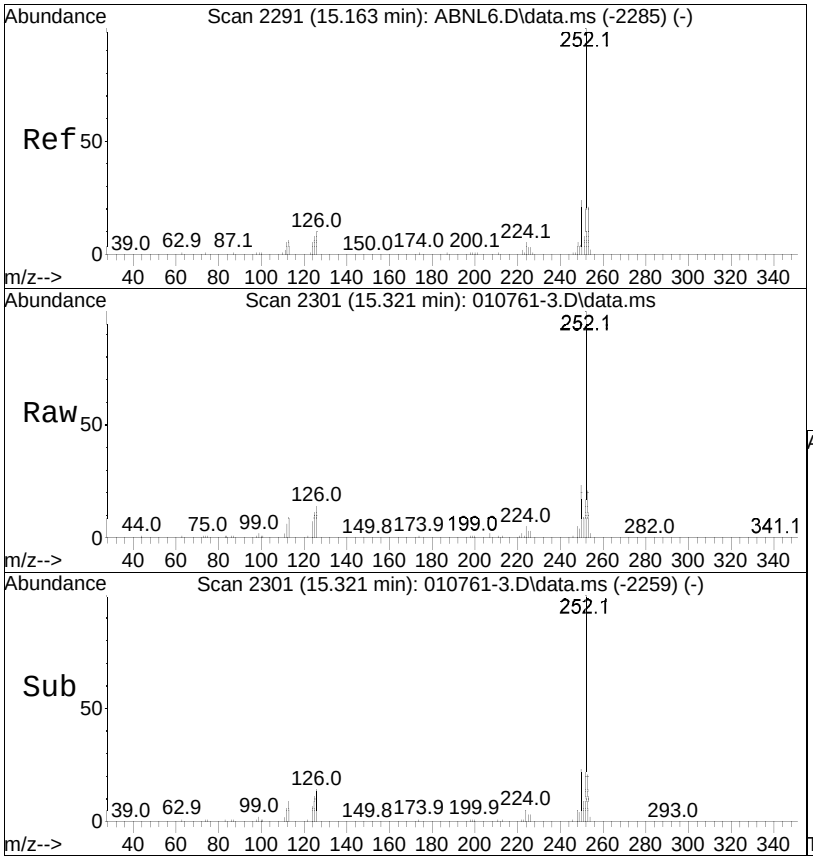


#111
Benzo(k)fluoranthene
Concen: 1.13 ug/ml
RT: 15.033 min Scan# 2252
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:252 Resp: 112696

Ion	Ratio	Lower	Upper
252	100		
125	9.7	13.0	19.6#
253	22.1	16.8	25.2

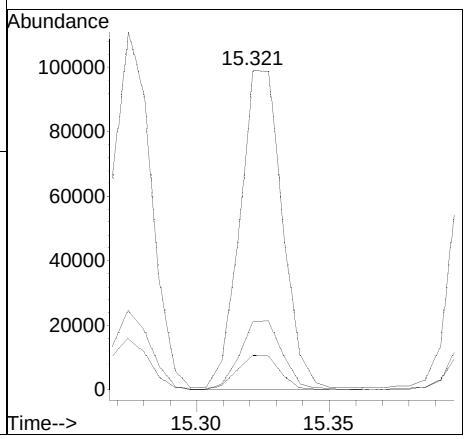


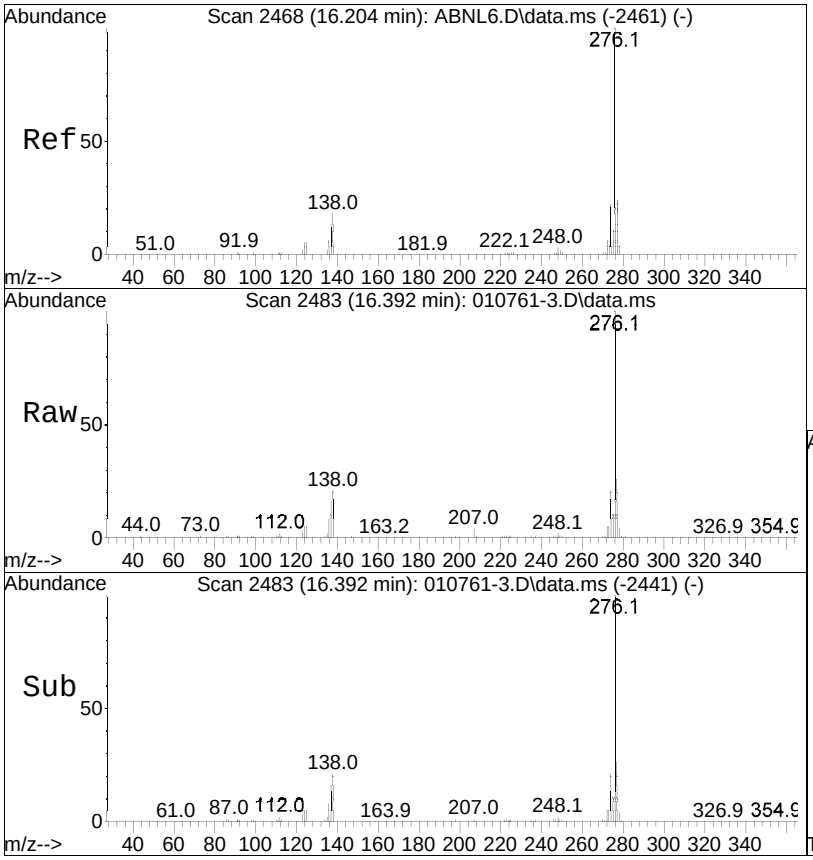


#112
Benzo(a)pyrene
Concen: 1.19 ug/ml M3
RT: 15.321 min Scan# 2301
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:252 Resp: 111029

Ion	Ratio	Lower	Upper
252	100		
125	15.6	14.2	21.2
253	22.3	16.9	25.3

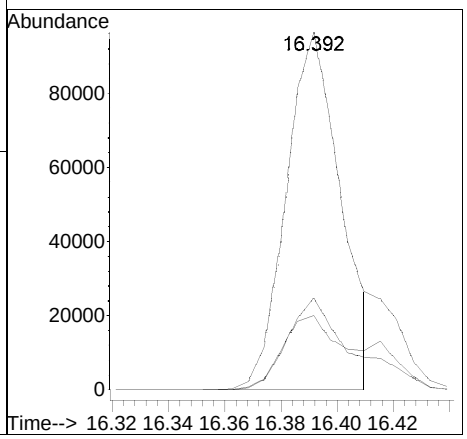


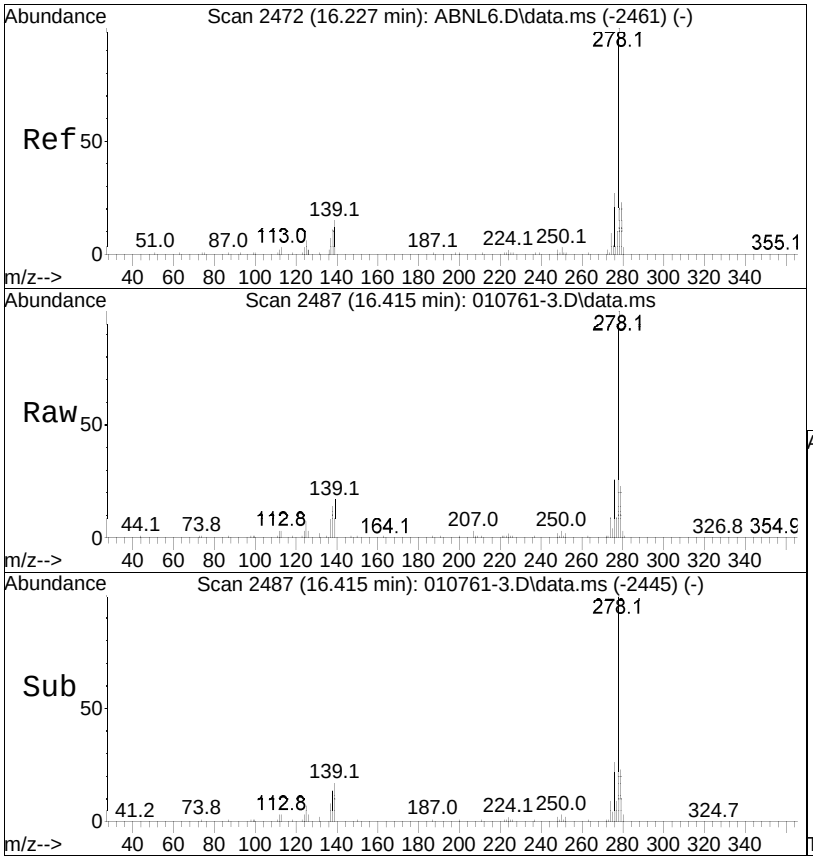


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.16 ug/mL M6
RT: 16.392 min Scan# 2483
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:276 Resp: 130448

Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.1	37.7
277	30.5	18.6	28.0#

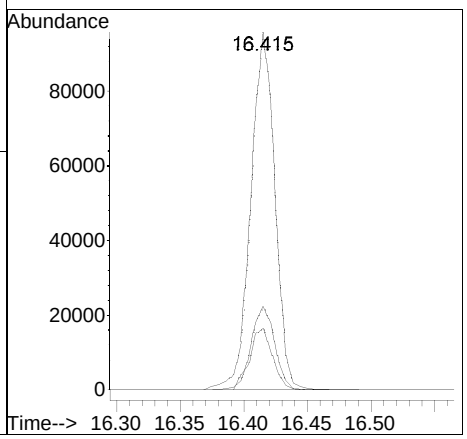


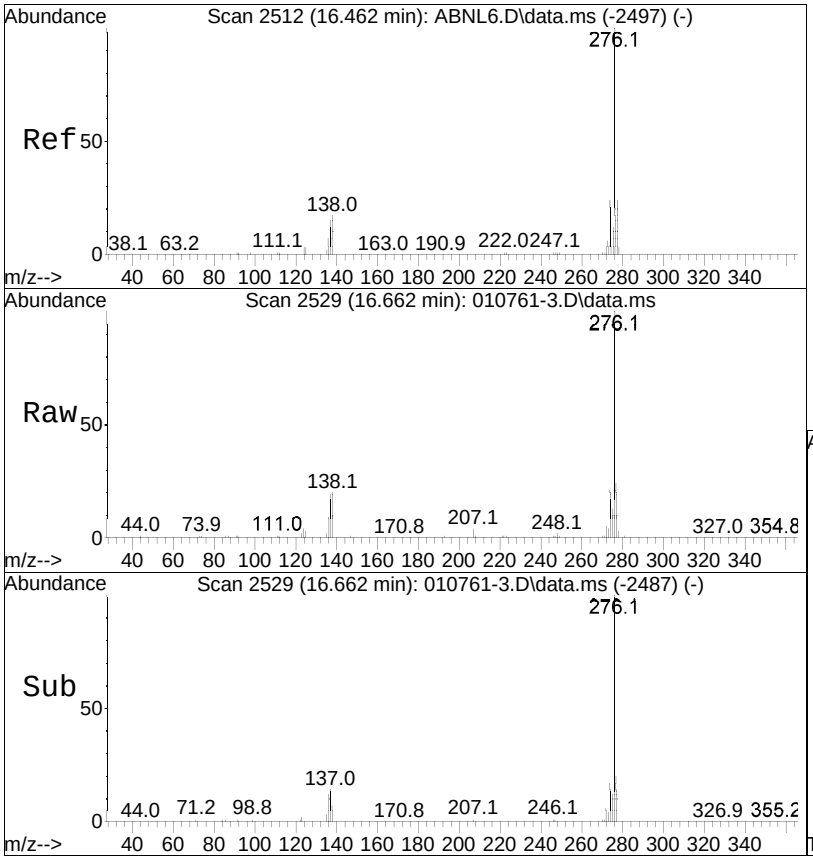


#115
Dibenzo(a,h)anthracene
Concen: 1.17 ug/ml
RT: 16.415 min Scan# 2487
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:278 Resp: 124783

Ion	Ratio	Lower	Upper
278	100		
139	16.6	20.8	31.2#
279	23.0	18.3	27.5

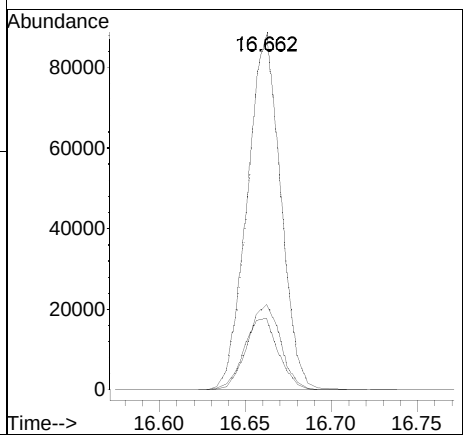




#116
Benzo(ghi)perylene
Concen: 1.19 ug/ml
RT: 16.662 min Scan# 2529
Delta R.T. -0.006 min
Lab File: 010761-3.D
Acq: 19 Dec 2024 1:29 am

Tgt Ion:276 Resp: 118354

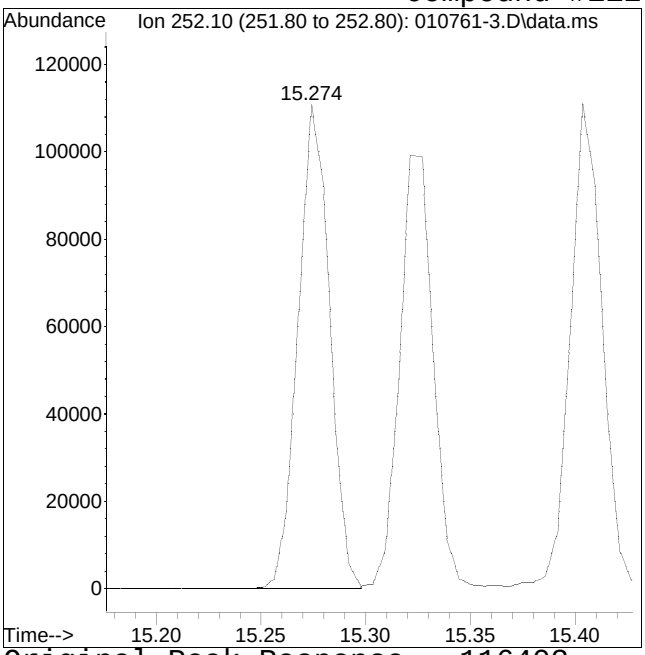
Ion	Ratio	Lower	Upper
276	100		
138	20.9	29.2	43.8#
277	23.9	18.8	28.2

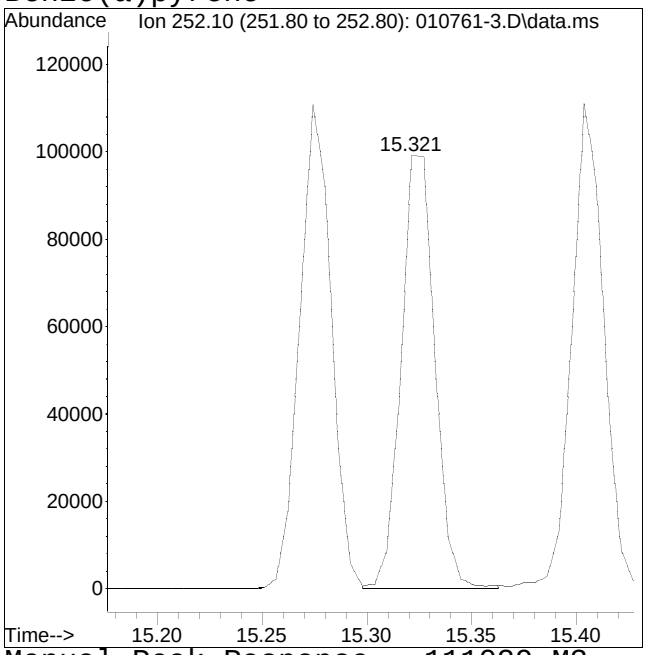


Manual Integration Report

Data Path : I:\8270\SV106\241218RVT\ QMethod : FS241009SV106.m
Data File : 010761-3.D Operator : SV106:im
Date Inj'd : 12/19/2024 1:29 am Instrument : SV 106
Sample : WG2010761-3,32,,ASK Quant Date : 12/19/2024 1:49 am

Compound #112: Benzo(a)pyrene





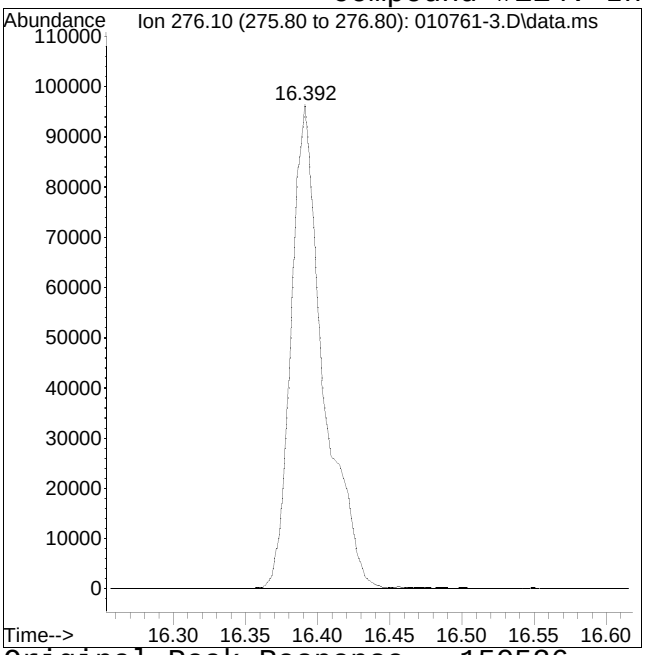
Original Peak Response = 116403 Manual Peak Response = 111029 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

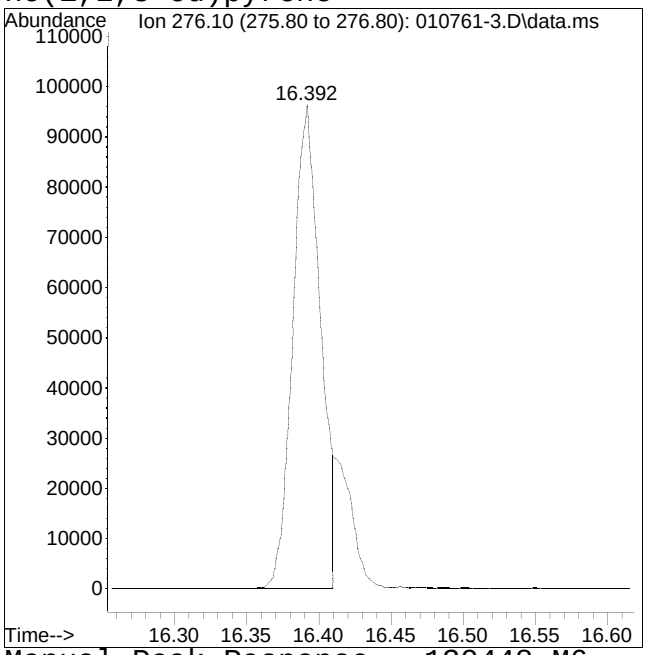
Manual Integration Report

Data Path : I:\8270\SV106\241218RVT\ QMethod : FS241009SV106.m
Data File : 010761-3.D Operator : SV106:im
Date Inj'd : 12/19/2024 1:29 am Instrument : SV 106
Sample : WG2010761-3,32,,ASK Quant Date : 12/19/2024 1:49 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 150526



Manual Peak Response = 130448 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-3.D
Acq On : 19 Dec 2024 03:49 pm
Operator : SV112:smz
Sample : WG2011033-3,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 10:33:39 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.828	152	30950	4.000	ug/ml		0.00
Standard Area 1 = 31733			Recovery = 97.53%				
27) IS2_1,4-Dichlorobenzen...	4.828	152	30950	4.000	ug/ml		0.00
Standard Area 3 = 37135			Recovery = 83.34%				
32) IS3_1,4-Dichlorobenzen...	4.828	152	30950	4.000	ug/ml		0.00
Standard Area 2 = 29954			Recovery = 103.33%				
35) IS1_Naphthalene-d8	6.069	136	111094	4.000	ug/ml		0.00
Standard Area 1 = 119379			Recovery = 93.06%				
55) IS2_Naphthalene-d8	6.069	136	111094	4.000	ug/ml		0.00
Standard Area 3 = 134467			Recovery = 82.62%				
63) IS1_Acenaphthene-d10	7.787	164	70534	4.000	ug/ml		0.00
Standard Area 1 = 75180			Recovery = 93.82%				
83) IS2_Acenaphthene-d10	7.787	164	70534	4.000	ug/ml		0.00
Standard Area 3 = 84559			Recovery = 83.41%				
86) IS3_Acenaphthene-d10	7.787	164	70534	4.000	ug/ml		0.00
Standard Area 2 = 66138			Recovery = 106.65%				
88) IS1_Phenanthrene-d10	9.228	188	149859	4.000	ug/ml	#	0.00
Standard Area 1 = 158888			Recovery = 94.32%				
100) IS3_Phenanthrene-d10	9.228	188	149859	4.000	ug/ml	#	0.00
Standard Area 2 = 146403			Recovery = 102.36%				
104) IS1_Chrysene-d12	11.898	240	171638	4.000	ug/ml	#	0.00
Standard Area 1 = 186682			Recovery = 91.94%				
113) IS1_Perylene-d12	13.381	264	192008	4.000	ug/ml		0.00
Standard Area 1 = 210513			Recovery = 91.21%				
System Monitoring Compounds							
4) 2-Fluorophenol	3.558	112	6846	0.792	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.60%				
7) Phenol-d6	4.499	99	6751	0.617	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.85%				
19) Nitrobenzene-d5	5.369	82	5771	0.586	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 58.60%				
46) 2-Fluorobiphenyl	7.146	172	15978	0.630	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.00%				
79) 2,4,6-Tribromophenol	8.557	330	5942	1.381	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.05%				

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-3.D
Acq On : 19 Dec 2024 03:49 pm
Operator : SV112:smz
Sample : WG2011033-3,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 10:33:39 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.822	244	28341	0.709	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 70.90%

Target Compounds						Qvalue
6) 2-Chlorophenol	4.622	128	11971	1.223	ug/ml	95
8) Phenol	4.511	94	8281	0.667	ug/ml#	71
9) Bis(2-chloroethyl)ether	4.587	93	12095	1.283	ug/ml	95
10) 1,3-Dichlorobenzene	4.769	146	12197	1.019	ug/ml	96
11) 1,4-Dichlorobenzene	4.840	146	12559	1.038	ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	12429	1.056	ug/ml	95
13) Benzyl alcohol	4.975	79	9228	1.207	ug/ml	96
14) Bis(2-chloroisopropyl)...	5.116	45	13124	1.168	ug/ml#	55
15) 2-Methylphenol	5.099	108	8746	1.042	ug/ml	94
16) Hexachloroethane	5.322	117	4054	0.887	ug/ml#	61
17) n-Nitrosodi-n-propylamine	5.246	70	8670	1.255	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.258	108	9364	1.026	ug/ml	92
20) Nitrobenzene	5.387	77	12323	1.211	ug/ml	99
21) Isophorone	5.628	82	22900	1.264	ug/ml	99
22) 2-Nitrophenol	5.705	139	6158	1.296	ug/ml	97
23) 2,4-Dimethylphenol	5.775	107	4729	0.556	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.863	93	16276	1.303	ug/ml#	97
25) 2,4-Dichlorophenol	5.940	162	12154	1.305	ug/ml#	94
26) 1,2,4-Trichlorobenzene	6.022	180	11692	1.019	ug/ml	96
29) Acetophenone	5.228	105	19523	1.392	ug/ml	94
36) Naphthalene	6.087	128	34970	1.200	ug/ml	99
37) Benzoic Acid	5.816	105	2410	0.348	ug/ml	99
38) 4-Chloroaniline	6.158	65	3933M3	1.149	ug/ml	
39) Hexachlorobutadiene	6.240	225	7073	0.982	ug/ml	97
40) p-Chloro-m-cresol	6.652	107	10986	1.390	ug/ml	95
41) 2-Methylnaphthalene	6.775	142	22432	1.111	ug/ml	95
43) Hexachlorocyclopentadiene	6.946	237	4082	0.545	ug/ml#	96
44) 2,4,6-Trichlorophenol	7.058	196	10556	1.422	ug/ml	98
45) 2,4,5-Trichlorophenol	7.087	196	11339M3	1.427	ug/ml	
47) 2-Chloronaphthalene	7.246	162	25373	1.181	ug/ml	97
48) 2-Nitroaniline	7.352	138	7954	1.421	ug/ml	95
51) Dimethyl phthalate	7.552	163	37406	1.469	ug/ml	100
52) Acenaphthylene	7.646	152	38839	1.283	ug/ml	99

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-3.D
Acq On : 19 Dec 2024 03:49 pm
Operator : SV112:smz
Sample : WG2011033-3,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 10:33:39 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:40:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241219RVT\ABN1219.D
: 2 - I:\8270\SV112\241219RVT\ADP1219.D
: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	7.593	165	6863	1.414	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	6.940	216	14010	1.077	ug/ml	98
62) Biphenyl	7.234	154	32174	1.196	ug/ml	96
64) 3-Nitroaniline	7.752	138	7564	1.371	ug/ml	93
65) Acenaphthene	7.816	154	24859	1.257	ug/ml	98
66) 2,4-Dinitrophenol	7.857	184	3723	1.301	ug/ml	87
67) Dibenzofuran	7.987	168	42459	1.268	ug/ml	89
68) 2,4-Dinitrotoluene	7.987	165	9836	1.425	ug/ml	89
69) 4-Nitrophenol	7.934	65	3483	0.806	ug/ml	88
72) Diethyl phthalate	8.246	149	38004	1.465	ug/ml	95
73) Fluorene	8.322	166	33739	1.324	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.340	204	17301	1.239	ug/ml#	81
75) 4-Nitroaniline	8.346	138	8019	1.463	ug/ml	95
76) 4,6-Dinitro-o-cresol	8.381	198	6067	1.455	ug/ml#	73
77) NDPA/DPA	8.452	169	30865	1.453	ug/ml	98
80) 4-Bromophenyl phenyl e...	8.810	248	11768	1.320	ug/ml#	79
81) Hexachlorobenzene	8.863	284	14898	1.371	ug/ml#	85
82) Pentachlorophenol	9.057	266	8679	1.469	ug/ml	96
89) Phenanthrene	9.252	178	60919	1.450	ug/ml	98
90) Anthracene	9.304	178	59224	1.454	ug/ml	99
91) Carbazole	9.469	167	56539	1.537	ug/ml	98
92) Di-n-butylphthalate	9.851	149	64187	1.618	ug/ml	100
93) Fluoranthene	10.416	202	76318M3	1.570	ug/ml	
95) Pyrene	10.634	202	81578	1.597	ug/ml	99
97) Butyl benzyl phthalate	11.351	149	27234	1.543	ug/ml#	96
105) Benzo(a)anthracene	11.887	228	82126	1.531	ug/ml	98
106) 3,3'-Dichlorobenzidine	11.887	252	28321	1.503	ug/ml#	96
107) Chrysene	11.922	228	84807	1.549	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	11.998	149	43050	1.619	ug/ml#	98
109) Di-n-octylphthalate	12.681	149	67140	1.636	ug/ml	96
110) Benzo(b)fluoranthene	13.010	252	89202	1.599	ug/ml#	95
111) Benzo(k)fluoranthene	13.034	252	82930M3	1.619	ug/ml	
112) Benzo(a)pyrene	13.328	252	77812M3	1.625	ug/ml	
114) Indeno(1,2,3-cd)pyrene	14.404	276	89044M6	1.604	ug/mL	
115) Dibenzo(a,h)anthracene	14.428	278	84385	1.615	ug/ml#	91
116) Benzo(ghi)perylene	14.675	276	79846	1.532	ug/ml#	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-3.D
Acq On : 19 Dec 2024 03:49 pm
Operator : SV112:smz
Sample : WG2011033-3,32,,gmr
Misc : WG2011377,WG2011033,ical21786
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 10:33:39 2024
Quant Method : I:\8270\SV112\241219RVT\FS241215SV112RVT.m
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: 3 - I:\8270\SV112\241219RVT\AP91219.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241219RVT\
Data File : 011033-3.D
Acq On : 19 Dec 2024 03:49 pm
Operator : SV112:smz
Sample : WG2011033-3,32,,gmr
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QLast Update : Thu Dec 19 12:40:58 2024
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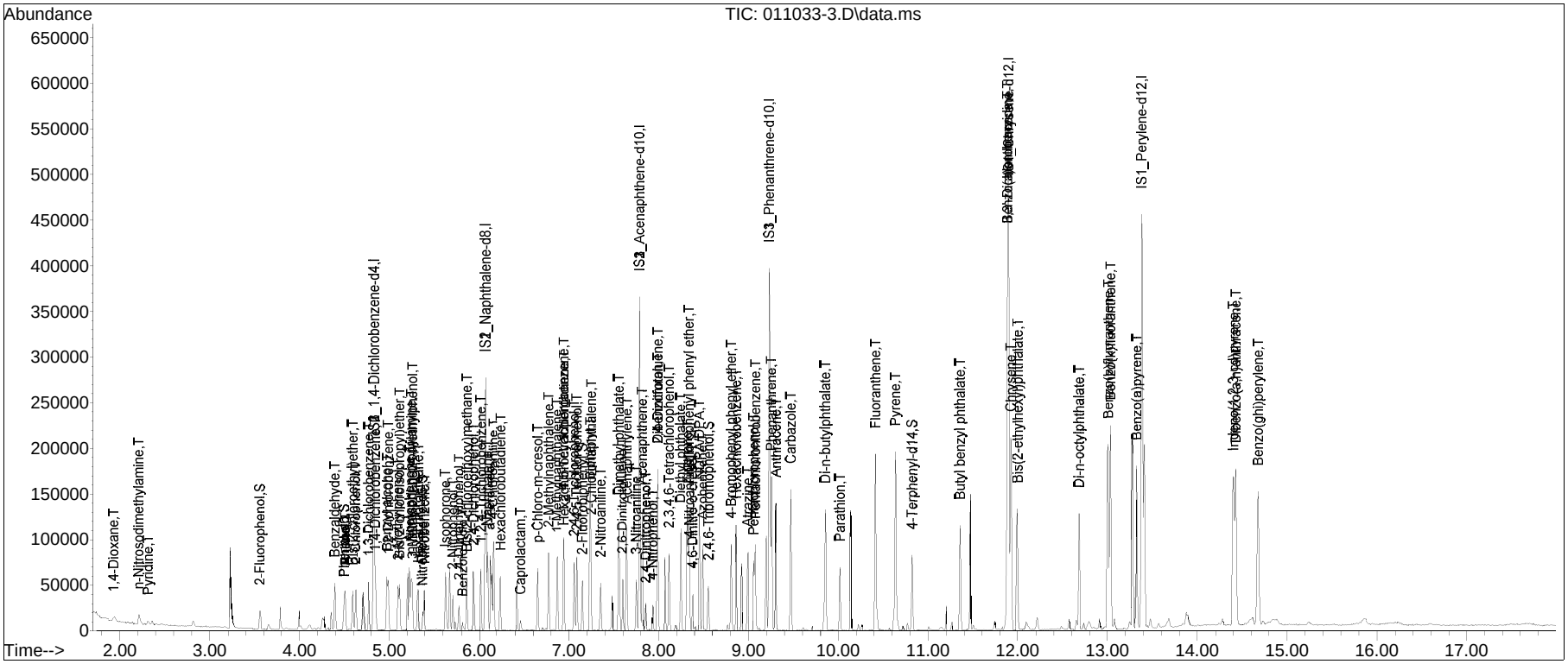
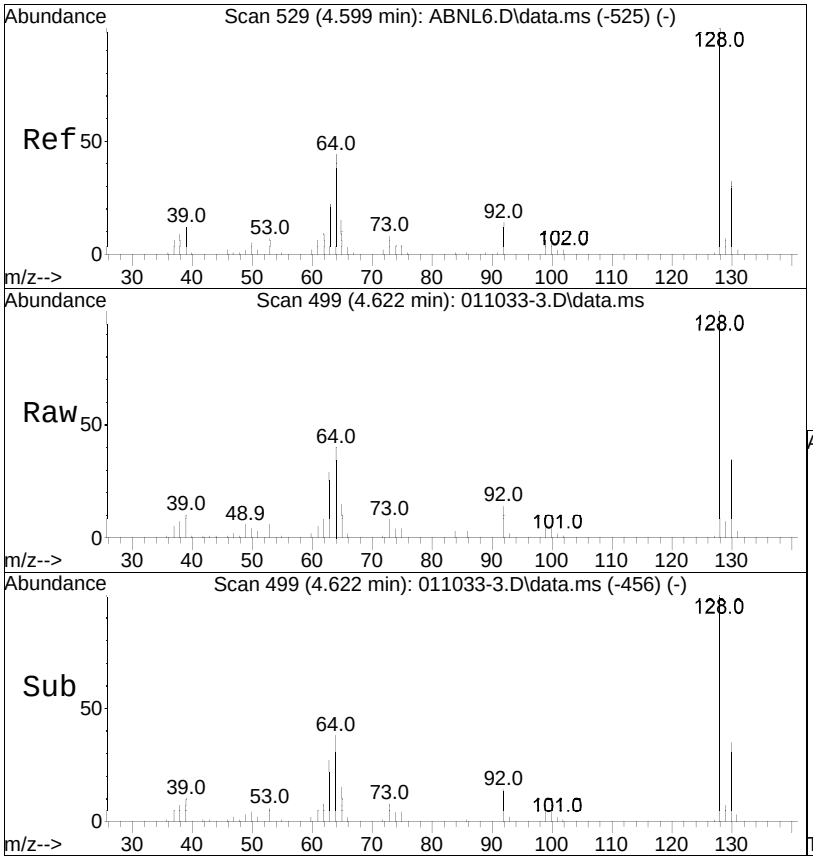
Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91219.D•

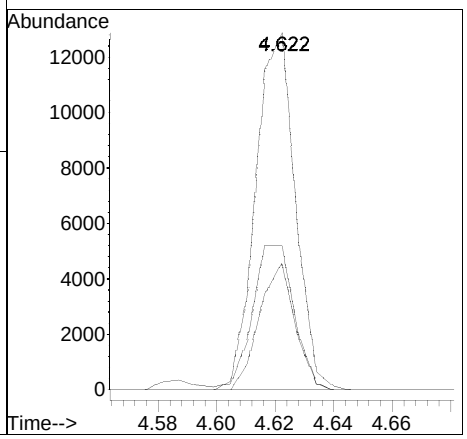


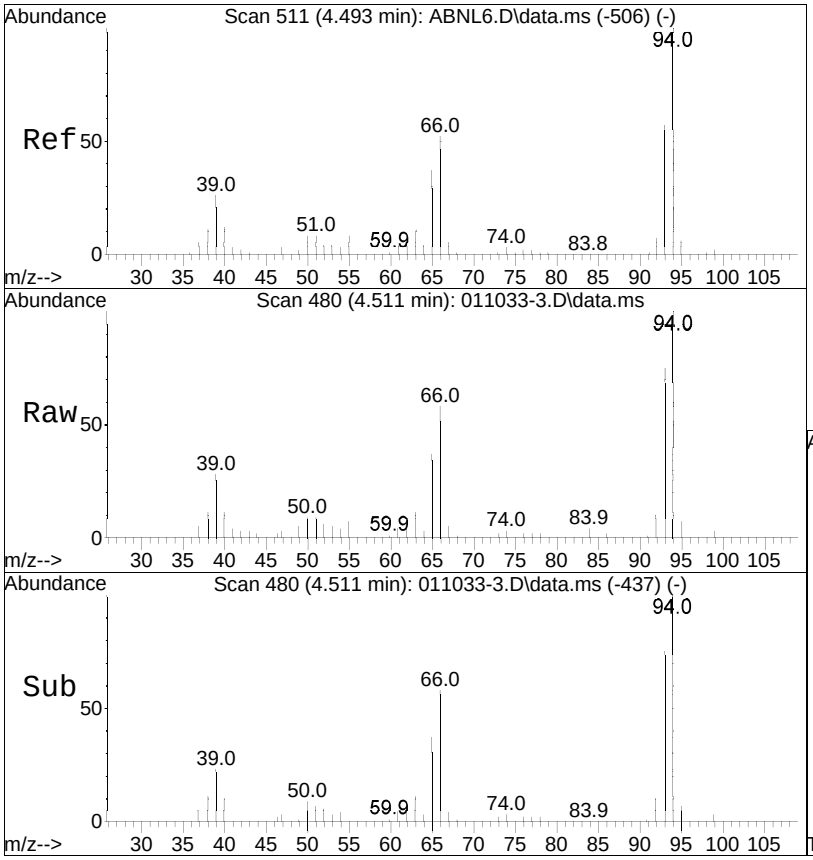


#6
2-Chlorophenol
Concen: 1.22 ug/ml
RT: 4.622 min Scan# 499
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:128 Resp: 11971

Ion	Ratio	Lower	Upper
128	100		
64	42.7	38.2	57.4
130	32.1	26.2	39.2

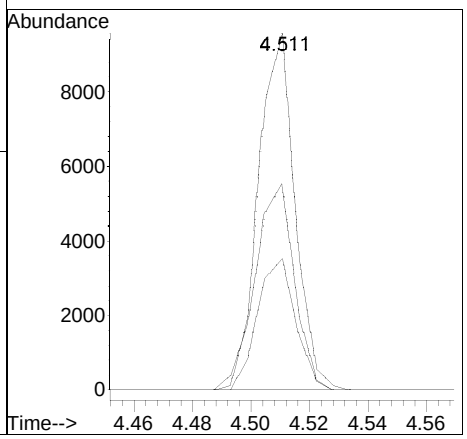


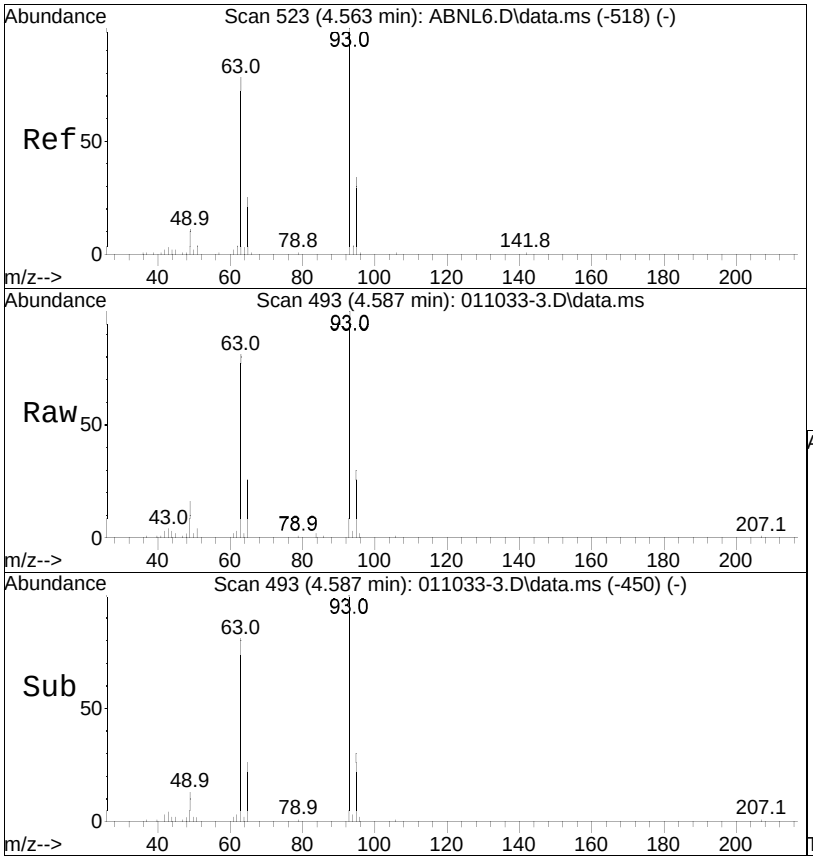


#8
Phenol
Concen: 0.67 ug/ml
RT: 4.511 min Scan# 480
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 94 Resp: 8281

Ion	Ratio	Lower	Upper
94	100		
65	38.6	23.0	34.6#
66	62.3	32.1	48.1#

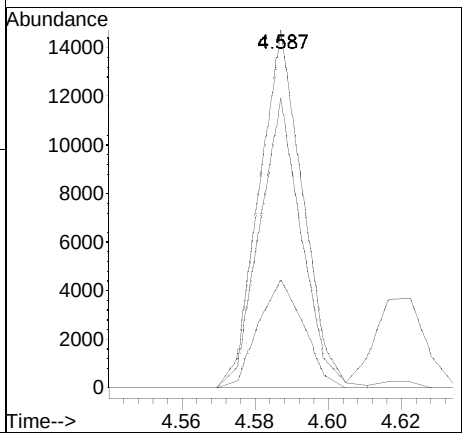


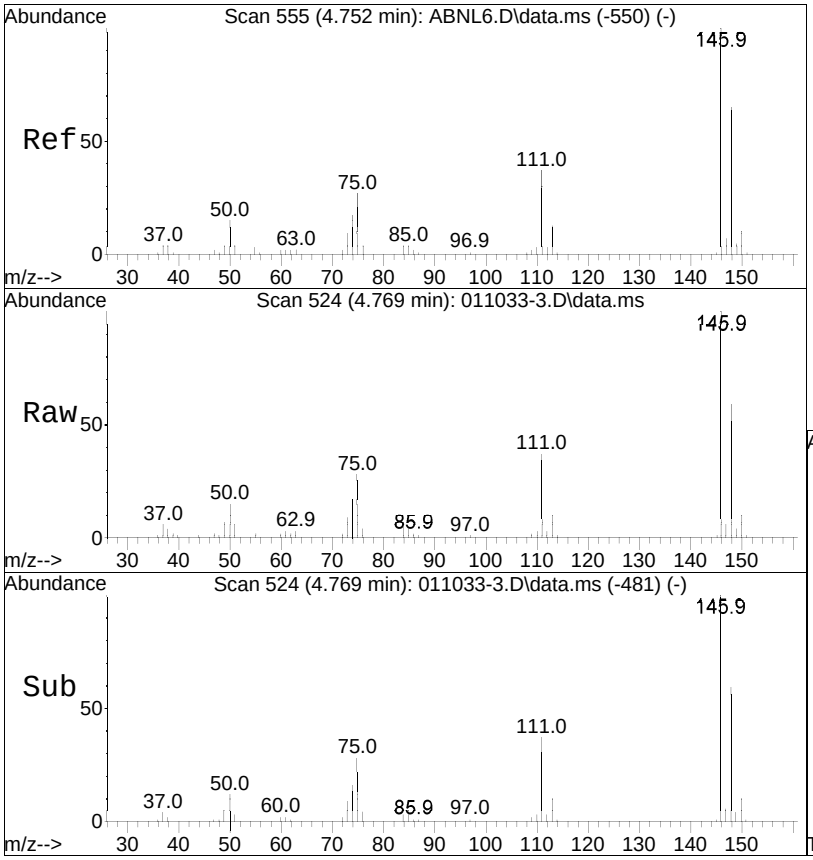


#9
Bis(2-chloroethyl)ether
Concen: 1.28 ug/ml
RT: 4.587 min Scan# 493
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 93 Resp: 12095

Ion	Ratio	Lower	Upper
93	100		
63	78.0	67.0	100.4
95	31.4	26.1	39.1

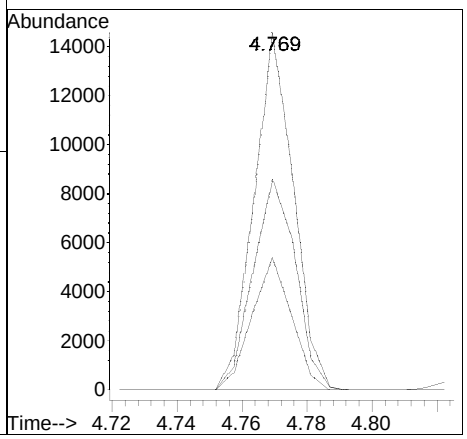


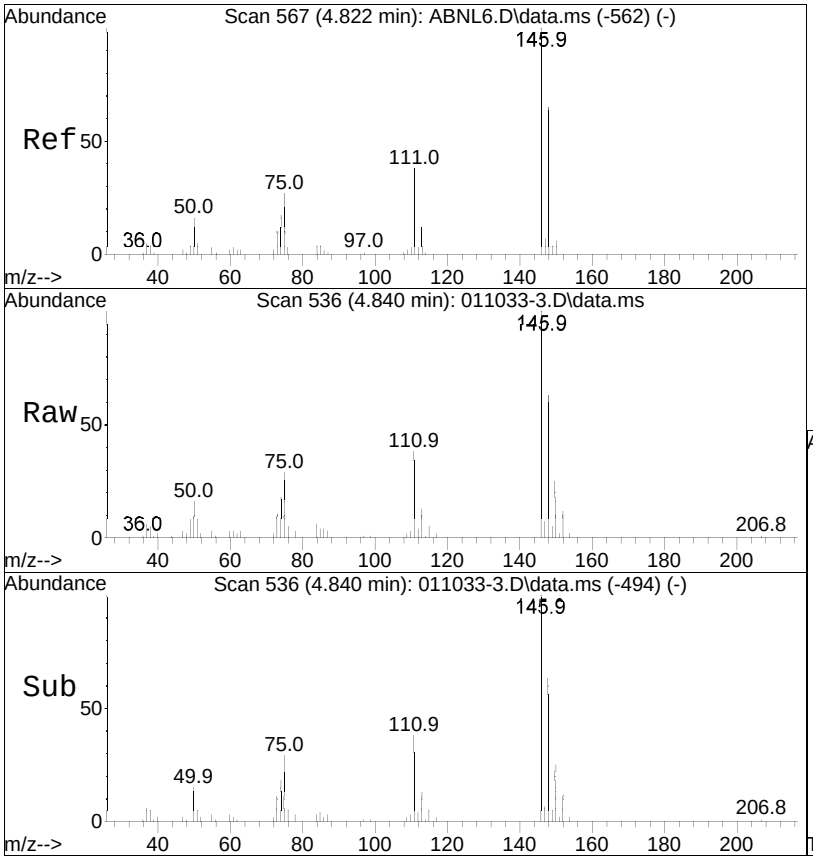


#10
1,3-Dichlorobenzene
Concen: 1.02 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:146 Resp: 12197

Ion	Ratio	Lower	Upper
146	100		
111	37.4	35.0	52.4
148	63.8	51.3	76.9

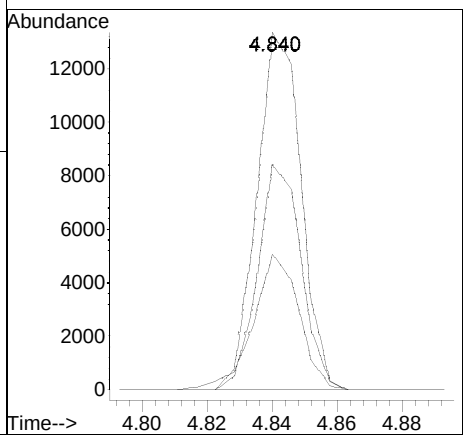


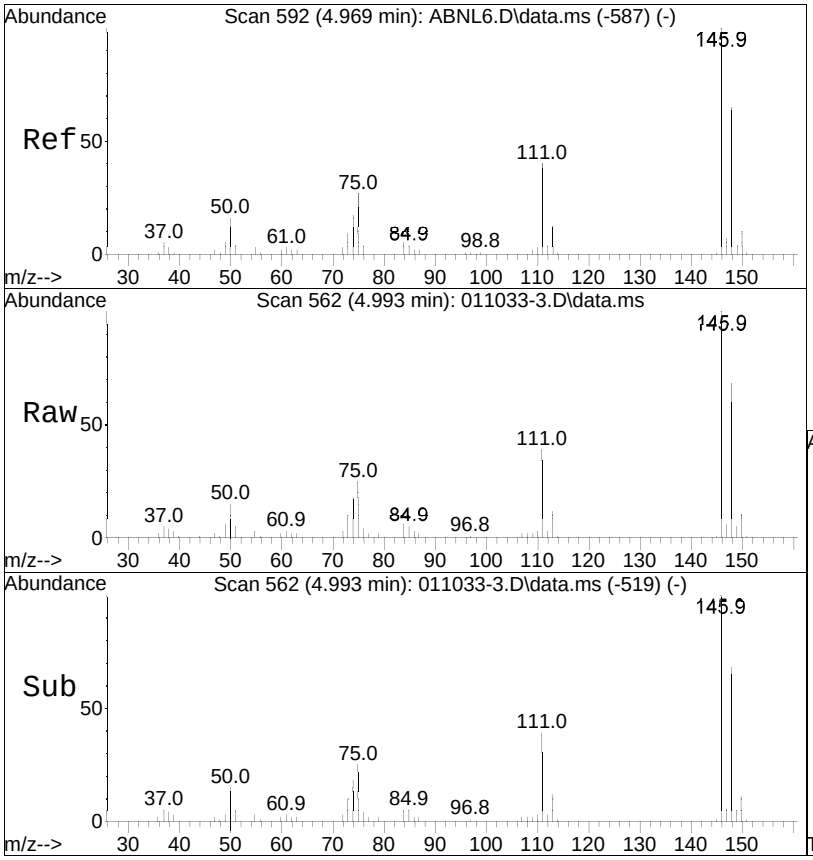


#11
1,4-Dichlorobenzene
Concen: 1.04 ug/ml
RT: 4.840 min Scan# 536
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:146 Resp: 12559

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.1	76.7
111	39.5	34.4	51.6

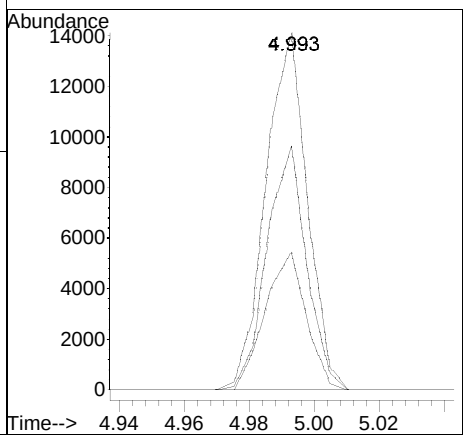


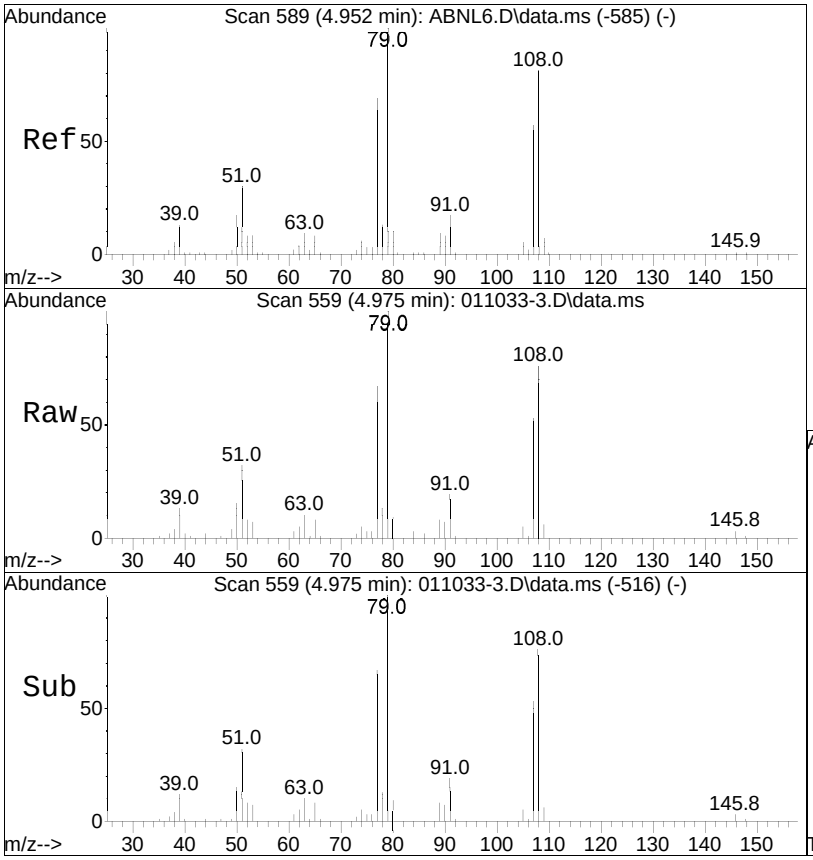


#12
1,2-Dichlorobenzene
Concen: 1.06 ug/ml
RT: 4.993 min Scan# 562
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:146 Resp: 12429

Ion	Ratio	Lower	Upper
146	100		
111	38.3	35.5	53.3
148	65.4	50.6	76.0

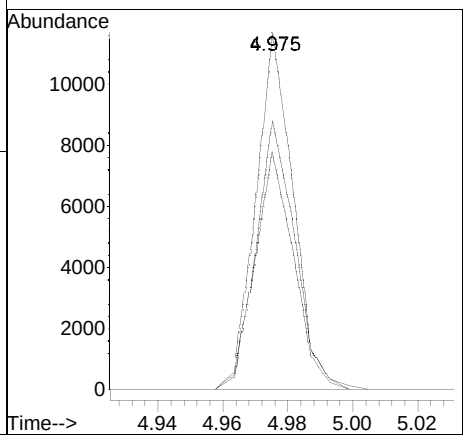


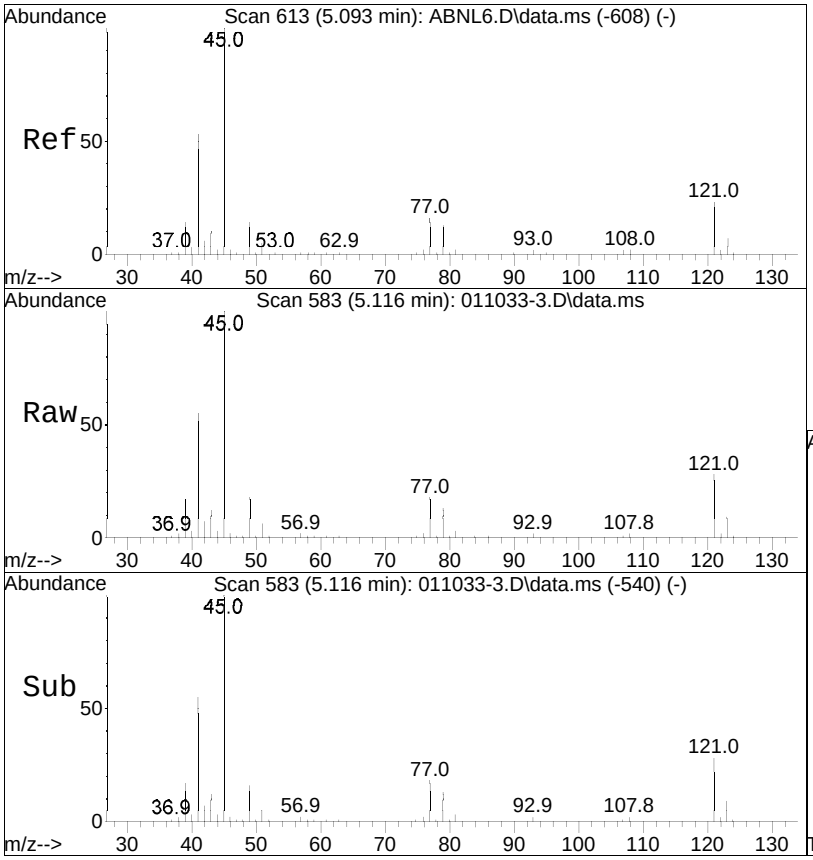


#13
Benzyl alcohol
Concen: 1.21 ug/ml
RT: 4.975 min Scan# 559
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 79 Resp: 9228

Ion	Ratio	Lower	Upper
79	100		
77	69.5	51.8	77.6
108	78.6	63.9	95.9

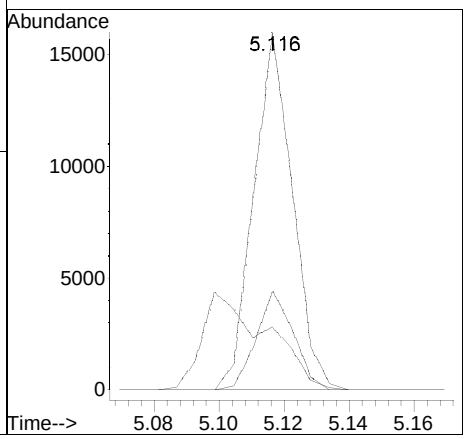


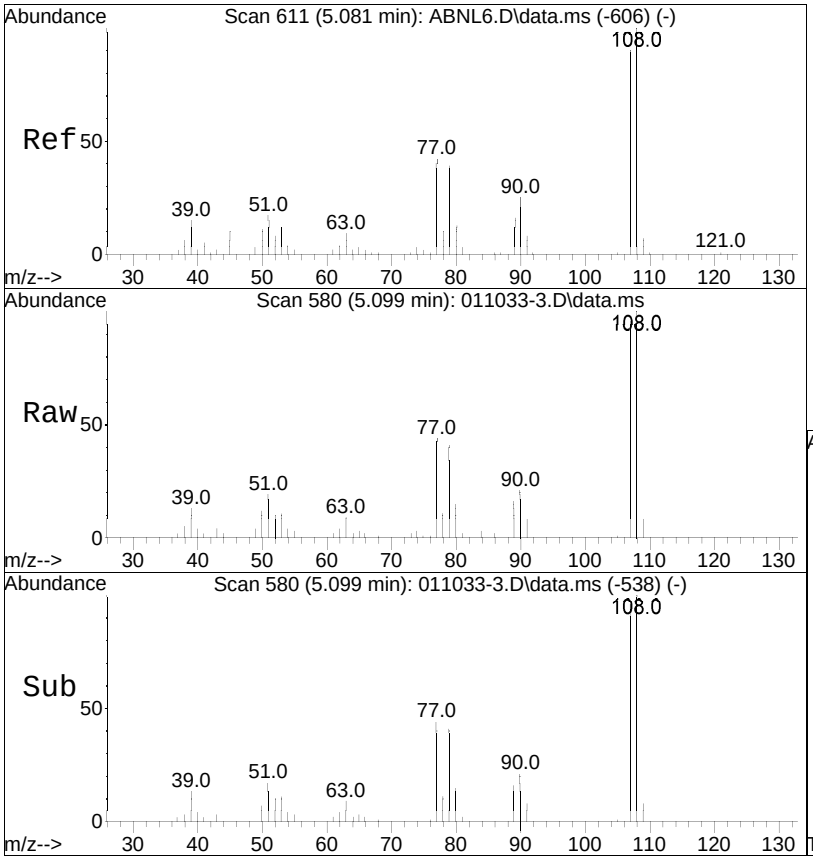


#14
Bis(2-chloroisopropyl)ether
Concen: 1.17 ug/ml
RT: 5.116 min Scan# 583
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 45 Resp: 13124

Ion	Ratio	Lower	Upper
45	100		
121	26.6	14.8	22.2#
77	45.7	10.5	15.7#

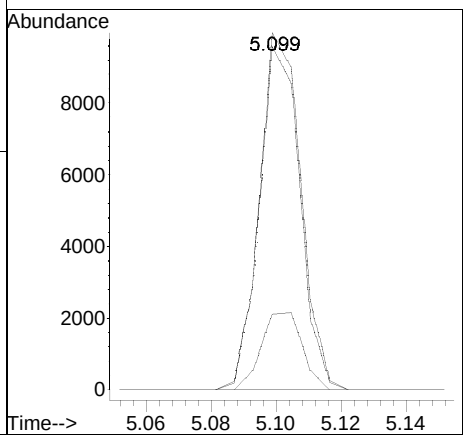


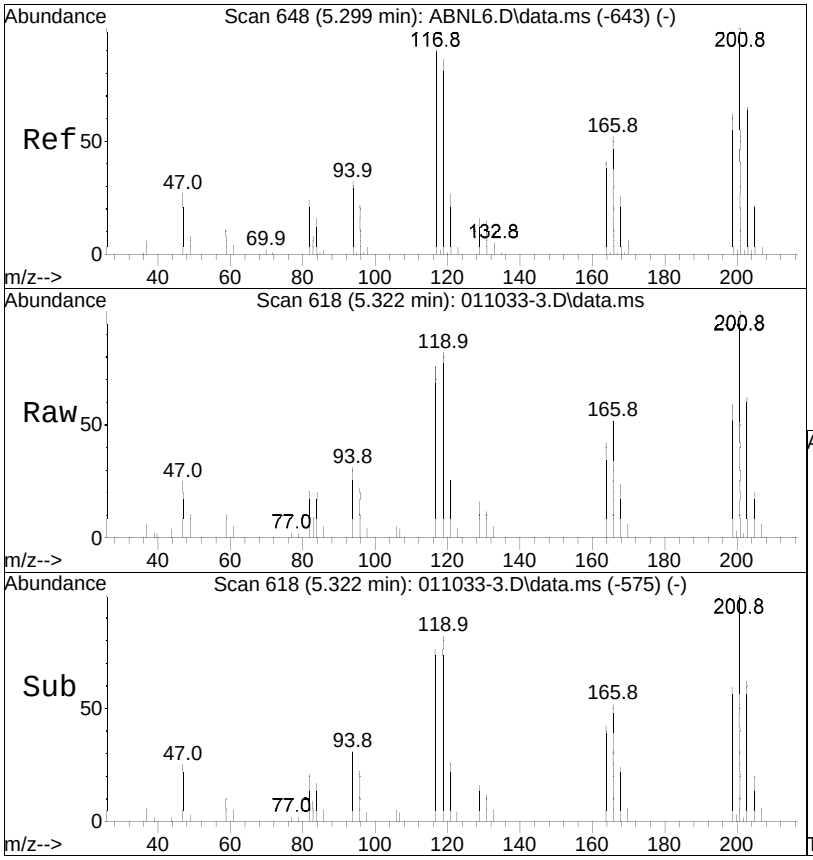


#15
2-Methylphenol
Concen: 1.04 ug/ml
RT: 5.099 min Scan# 580
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:108 Resp: 8746

Ion	Ratio	Lower	Upper
108	100		
107	94.4	71.0	106.4
90	21.5	19.7	29.5

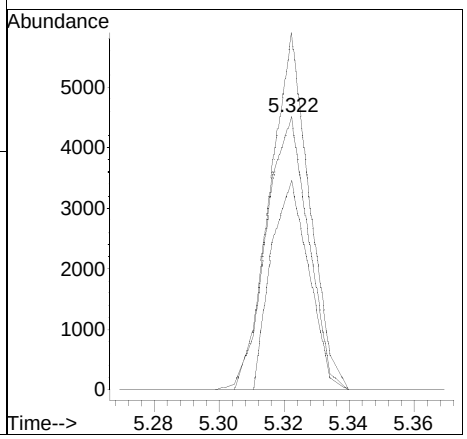


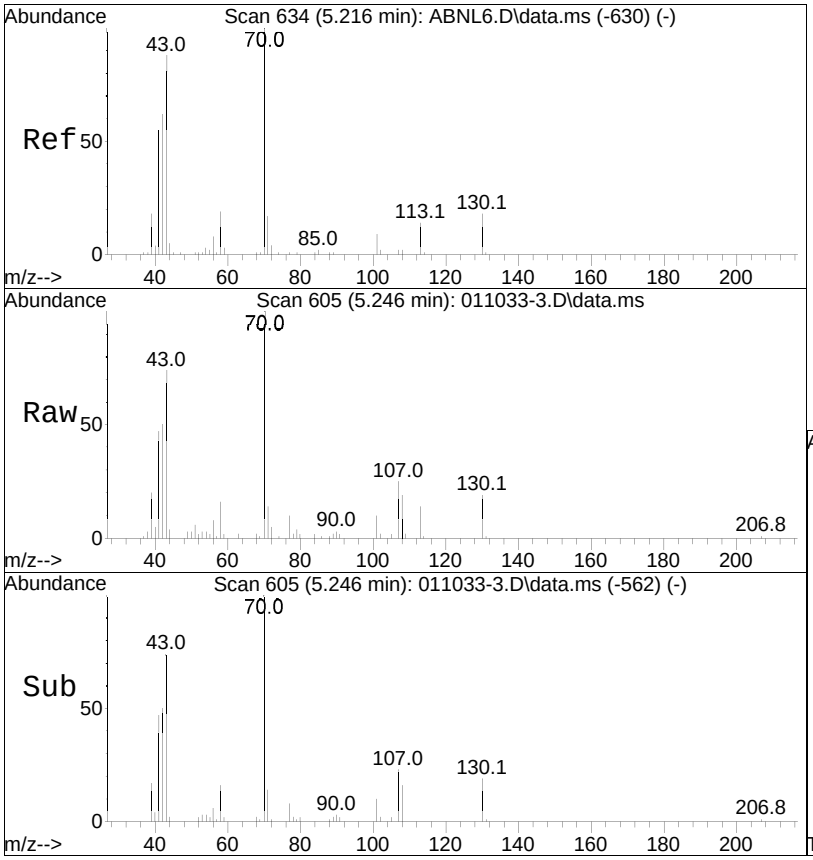


#16
Hexachloroethane
Concen: 0.89 ug/ml
RT: 5.322 min Scan# 618
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:117 Resp: 4054

Ion	Ratio	Lower	Upper
117	100		
201	122.1	64.4	96.6#
199	69.0	40.5	60.7#

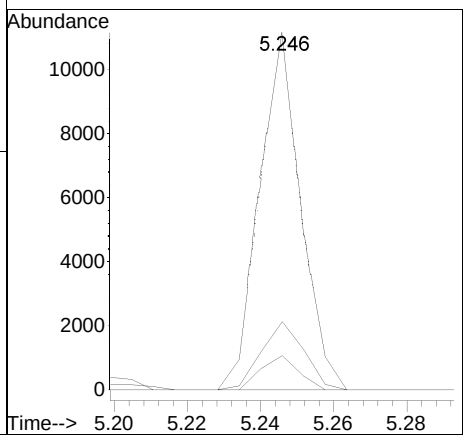


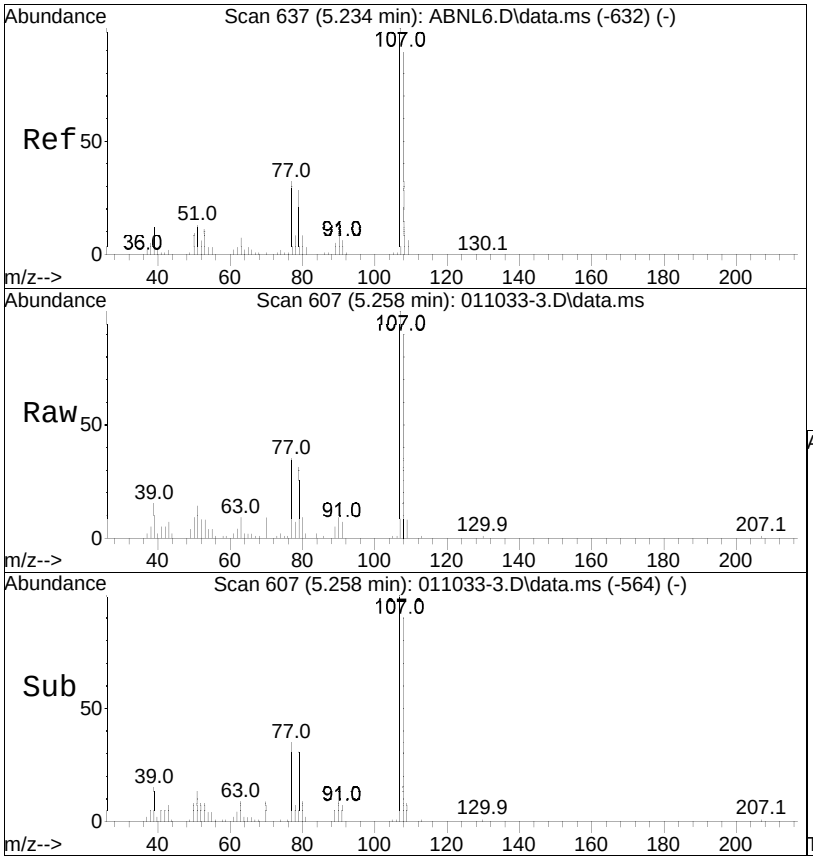


#17
n-Nitrosodi-n-propylamine
Concen: 1.26 ug/ml
RT: 5.246 min Scan# 605
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 70 Resp: 8670

Ion	Ratio	Lower	Upper
70	100		
130	19.7	16.2	24.4
101	8.7	7.6	11.4

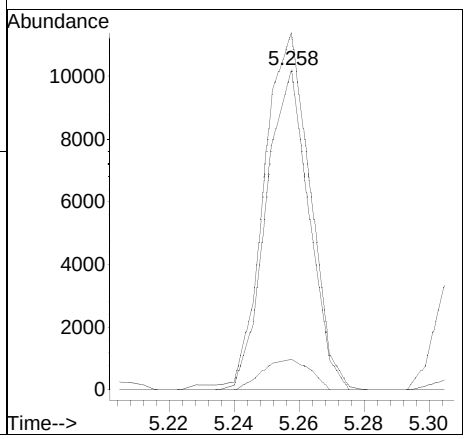


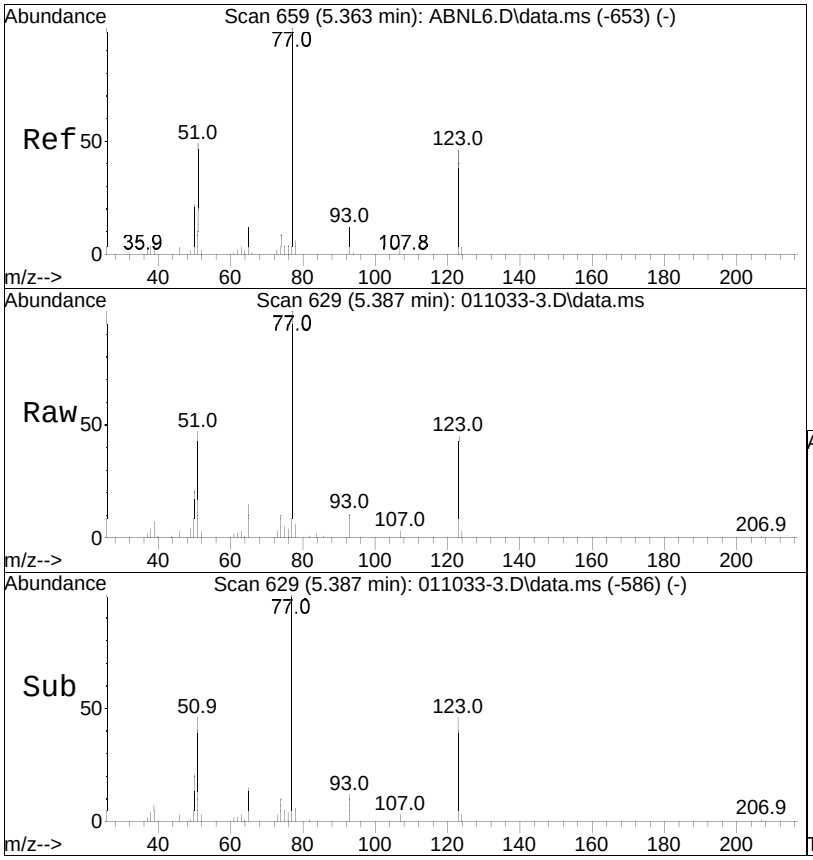


#18
3-Methylphenol/4-Methylphenol
Concen: 1.03 ug/ml
RT: 5.258 min Scan# 607
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:108 Resp: 9364

Ion	Ratio	Lower	Upper
108	100		
107	120.0	88.8	133.2
90	10.6	9.0	13.6

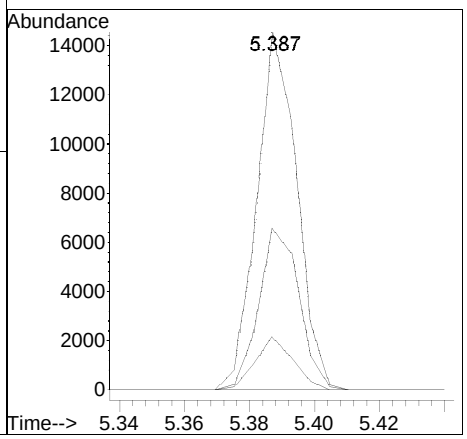


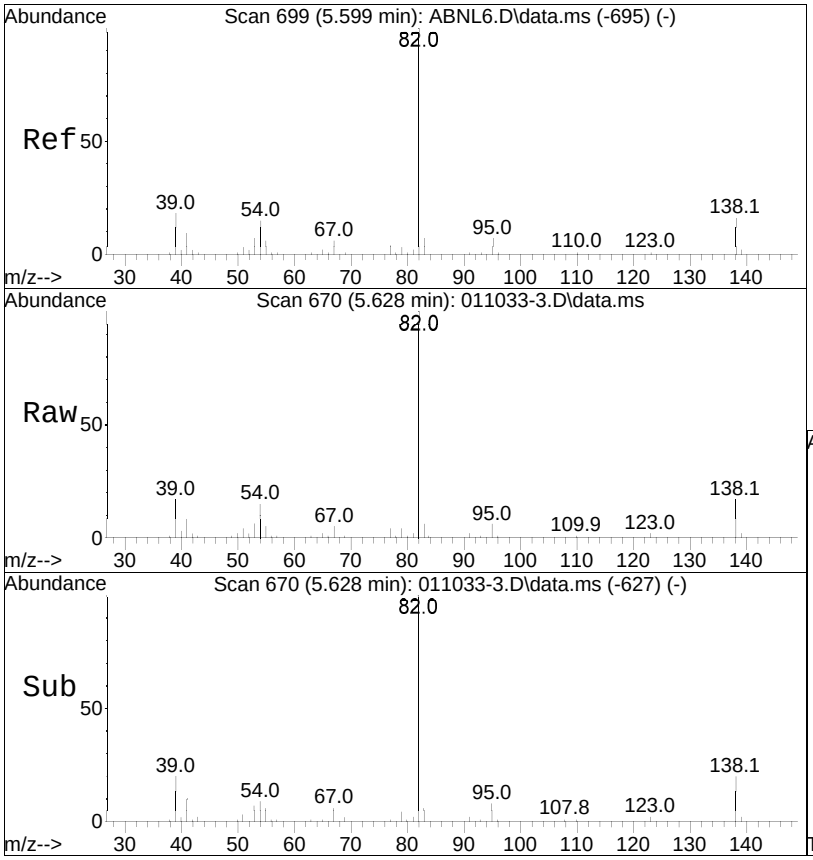


#20
Nitrobenzene
Concen: 1.21 ug/ml
RT: 5.387 min Scan# 629
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 77 Resp: 12323

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.3	55.9
65	14.1	10.9	16.3

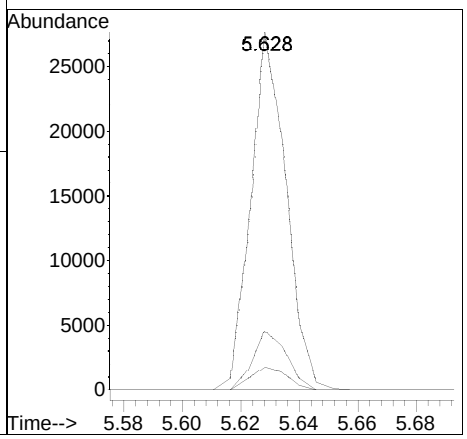


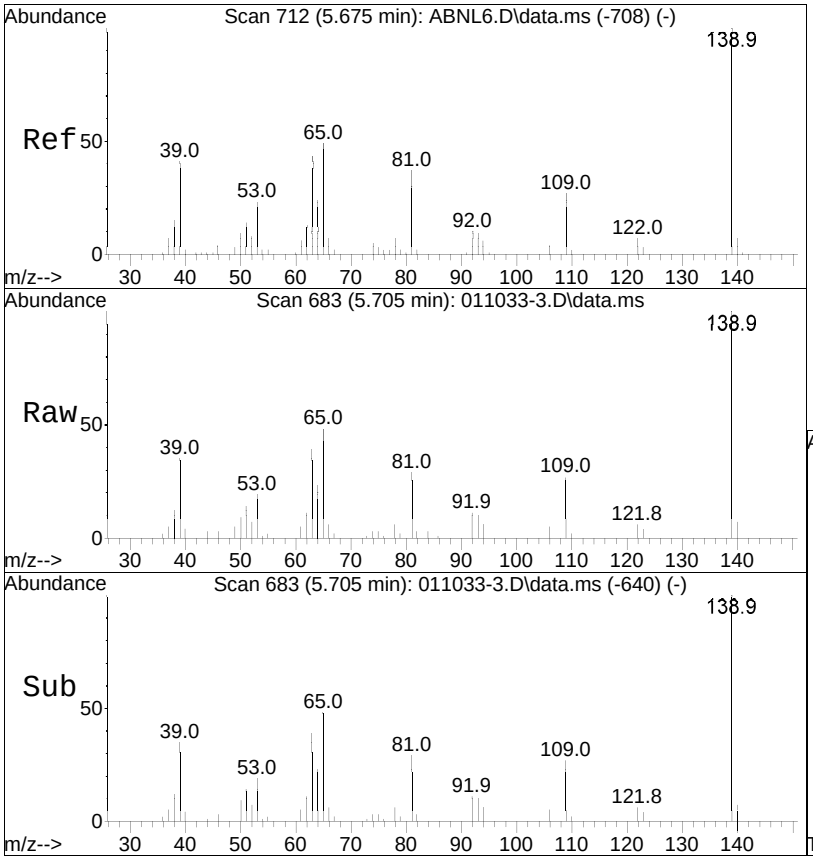


#21
Isophorone
Concen: 1.26 ug/ml
RT: 5.628 min Scan# 670
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 82 Resp: 22900

Ion	Ratio	Lower	Upper
82	100		
138	15.9	13.0	19.4
95	6.8	5.5	8.3

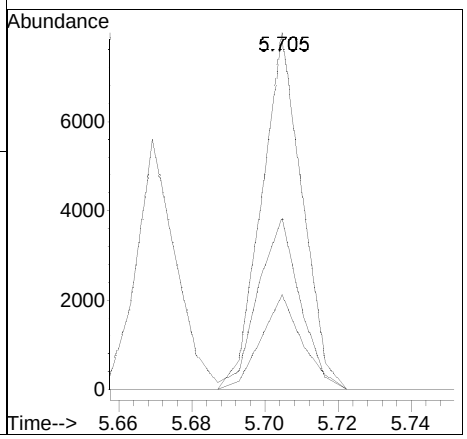


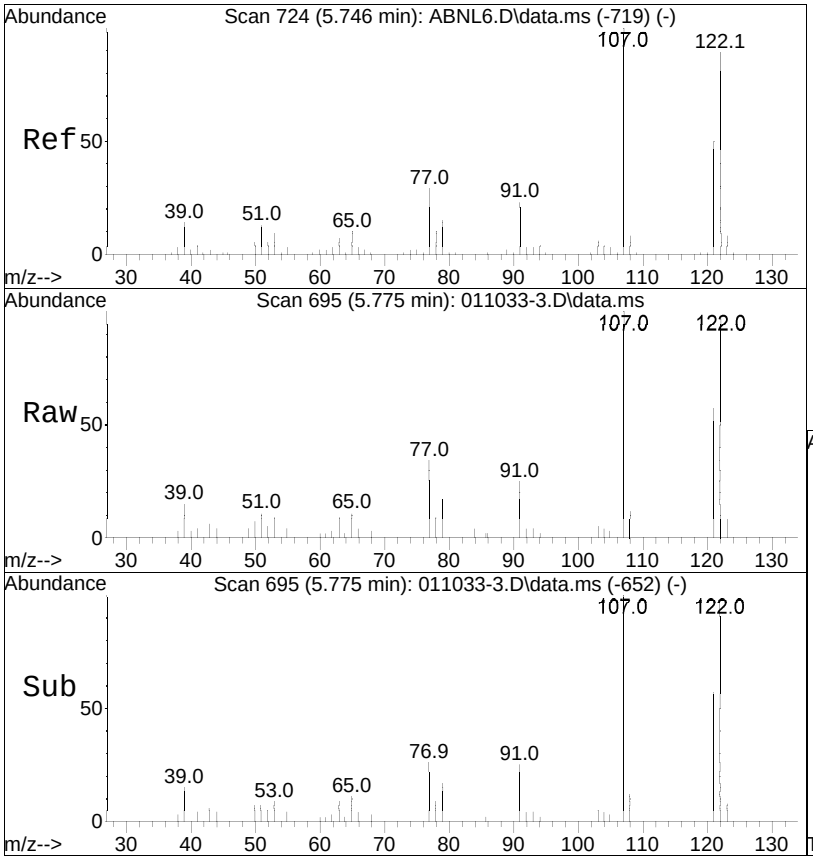


#22
2-Nitrophenol
Concen: 1.30 ug/ml
RT: 5.705 min Scan# 683
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:139 Resp: 6158

Ion	Ratio	Lower	Upper
139	100		
109	27.2	23.1	34.7
65	49.6	41.4	62.2

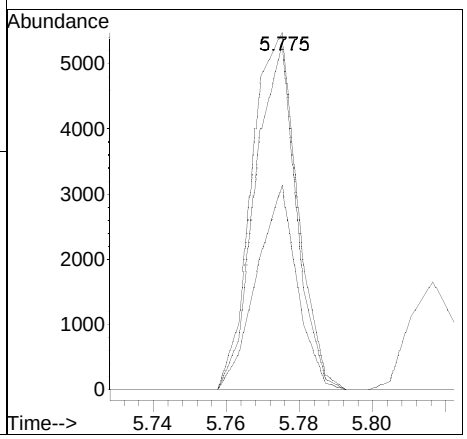


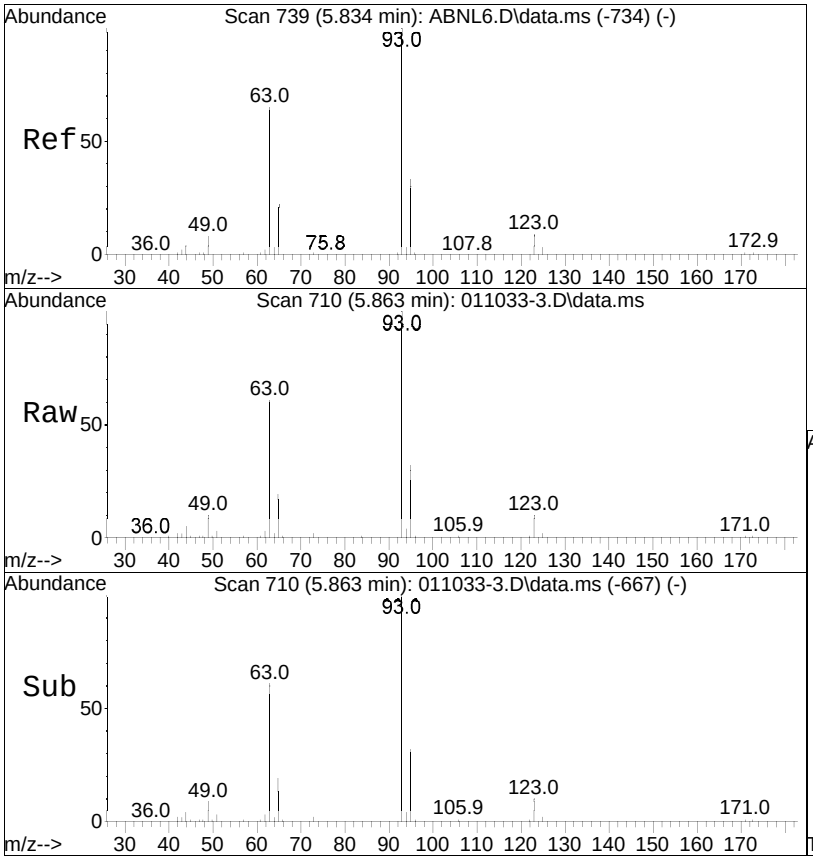


#23
2,4-Dimethylphenol
Concen: 0.56 ug/ml
RT: 5.775 min Scan# 695
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:107 Resp: 4729

Ion	Ratio	Lower	Upper
107	100		
121	51.1	41.3	61.9
122	87.4	69.3	103.9

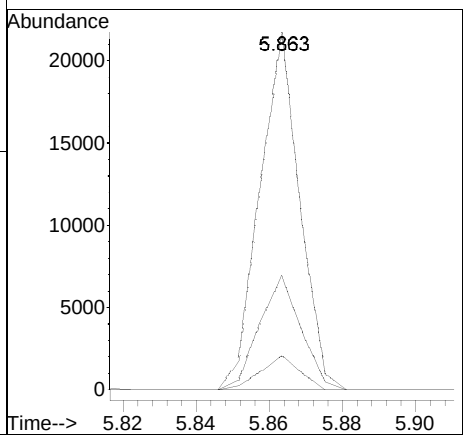


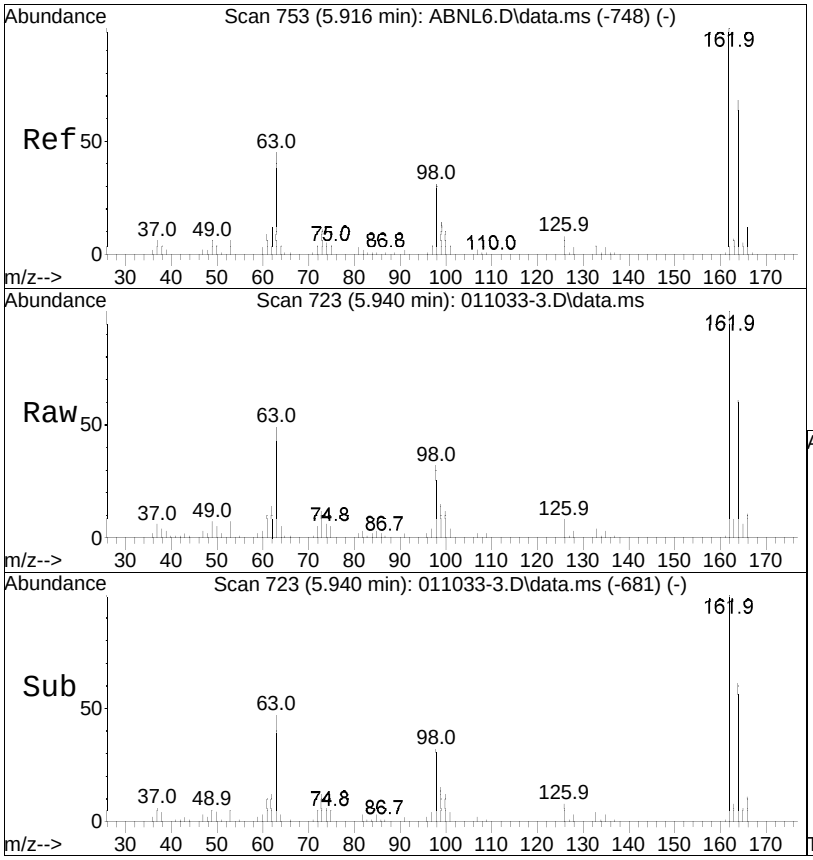


#24
Bis(2-chloroethoxy)methane
Concen: 1.30 ug/ml
RT: 5.863 min Scan# 710
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 93 Resp: 16276

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	9.5	9.6	14.4#

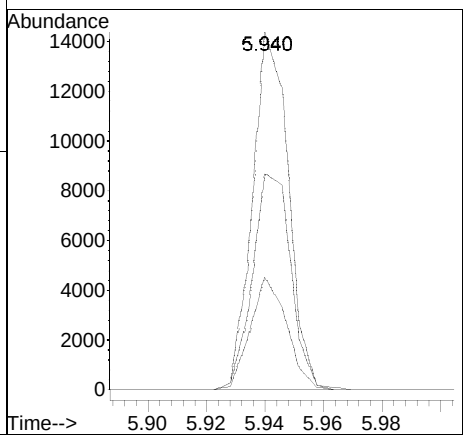


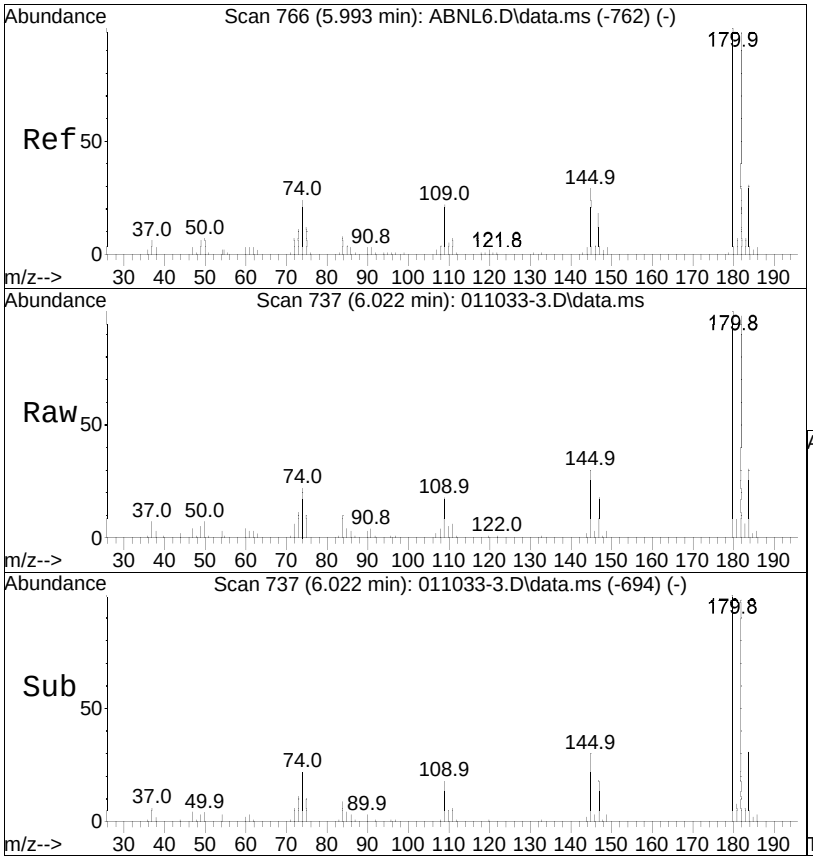


#25
2,4-Dichlorophenol
Concen: 1.31 ug/ml
RT: 5.940 min Scan# 723
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:162 Resp: 12154

Ion	Ratio	Lower	Upper
162	100		
164	64.5	51.1	76.7
98	32.1	32.2	48.2#

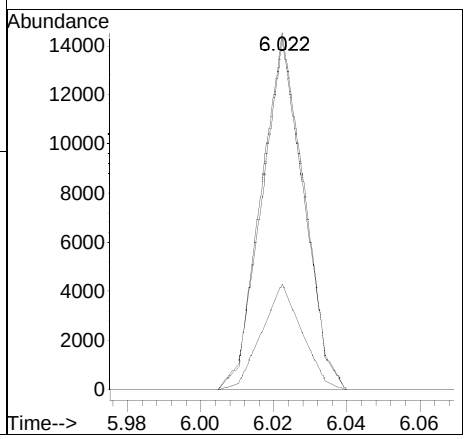


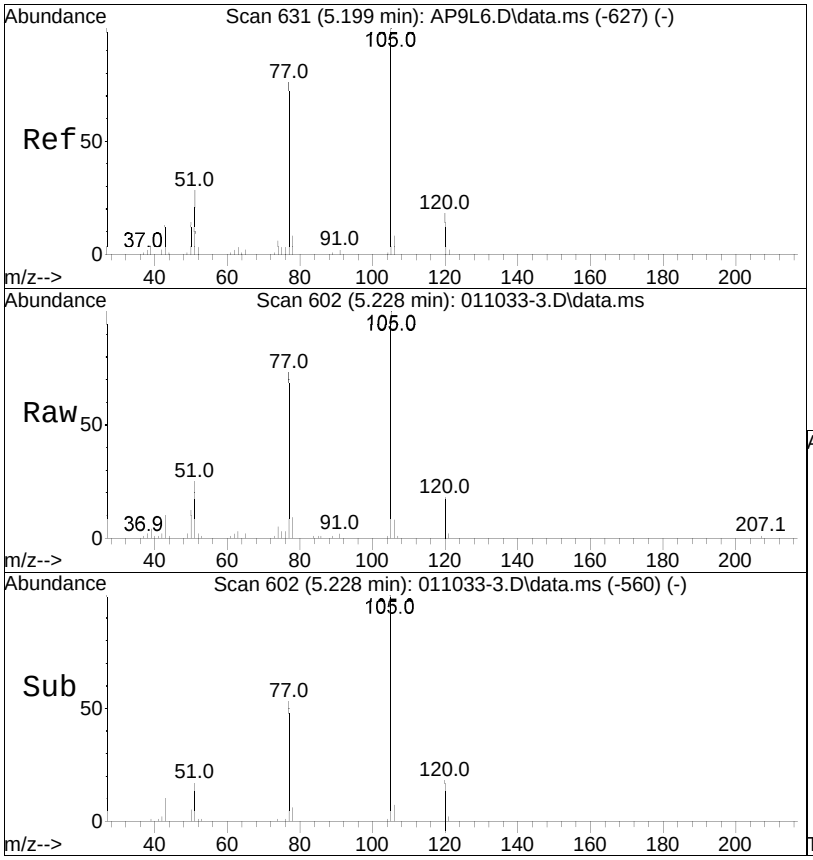


#26
1,2,4-Trichlorobenzene
Concen: 1.02 ug/ml
RT: 6.022 min Scan# 737
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:180 Resp: 11692

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
145	28.3	26.3	39.5

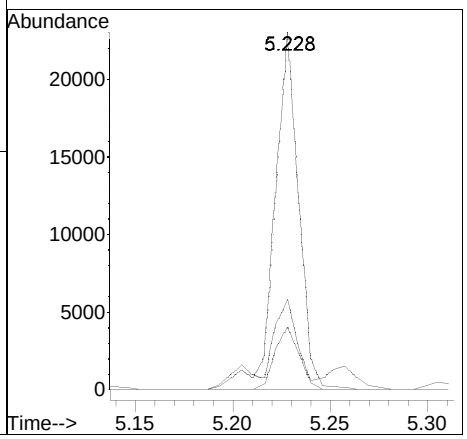


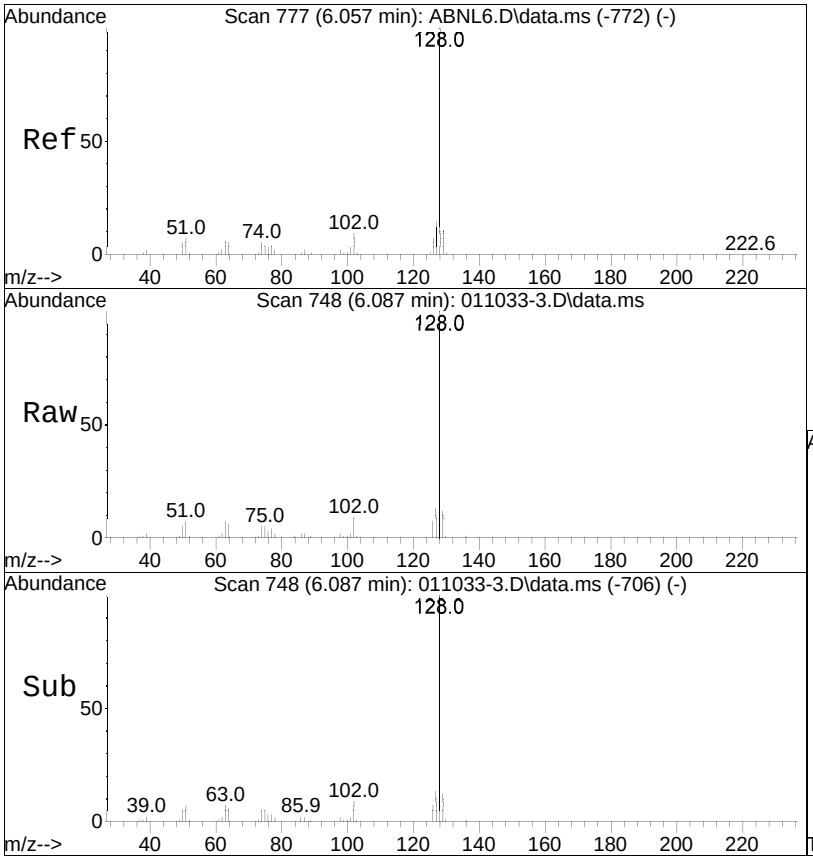


#29
Acetophenone
Concen: 1.39 ug/ml
RT: 5.228 min Scan# 602
Delta R.T. -0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:105 Resp: 19523

Ion	Ratio	Lower	Upper
105	100		
120	17.7	15.2	22.8
51	33.5	23.1	34.7

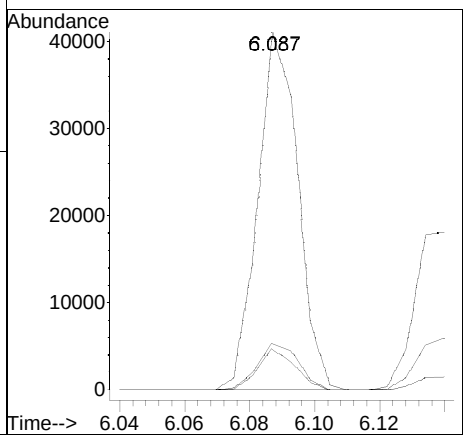


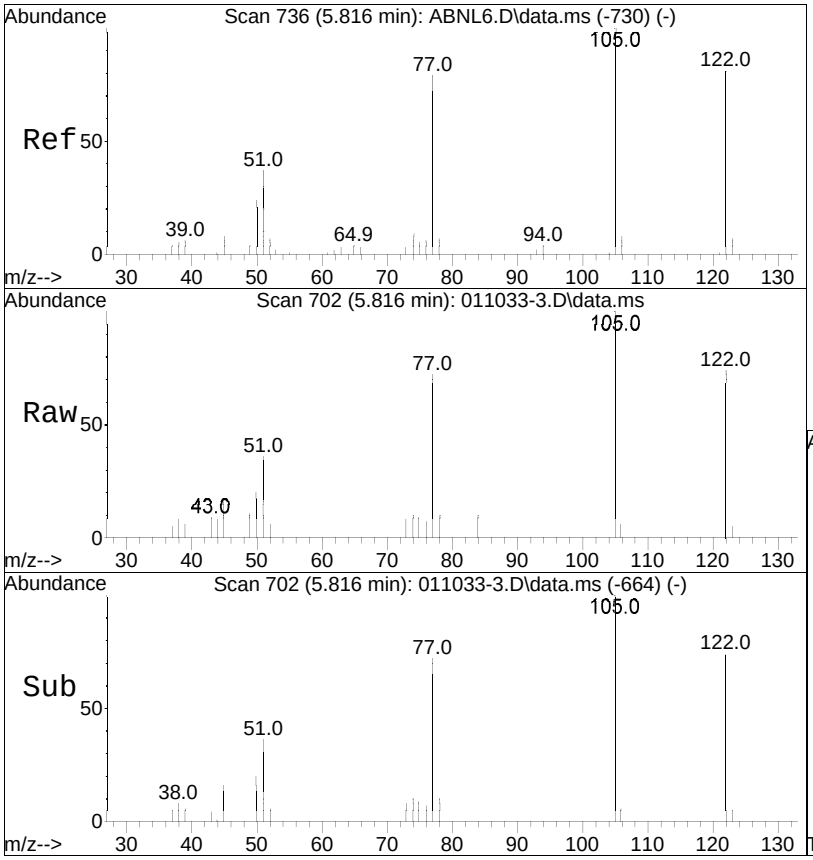


#36
Naphthalene
Concen: 1.20 ug/ml
RT: 6.087 min Scan# 748
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:128 Resp: 34970

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.4	10.6	15.8

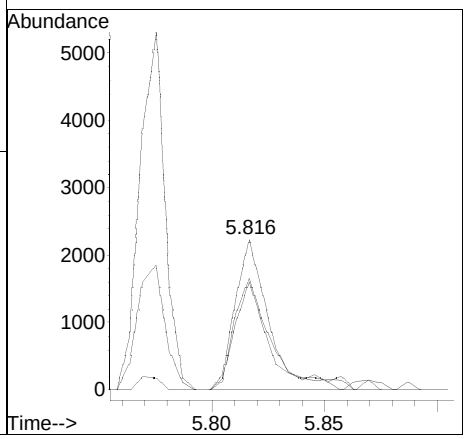


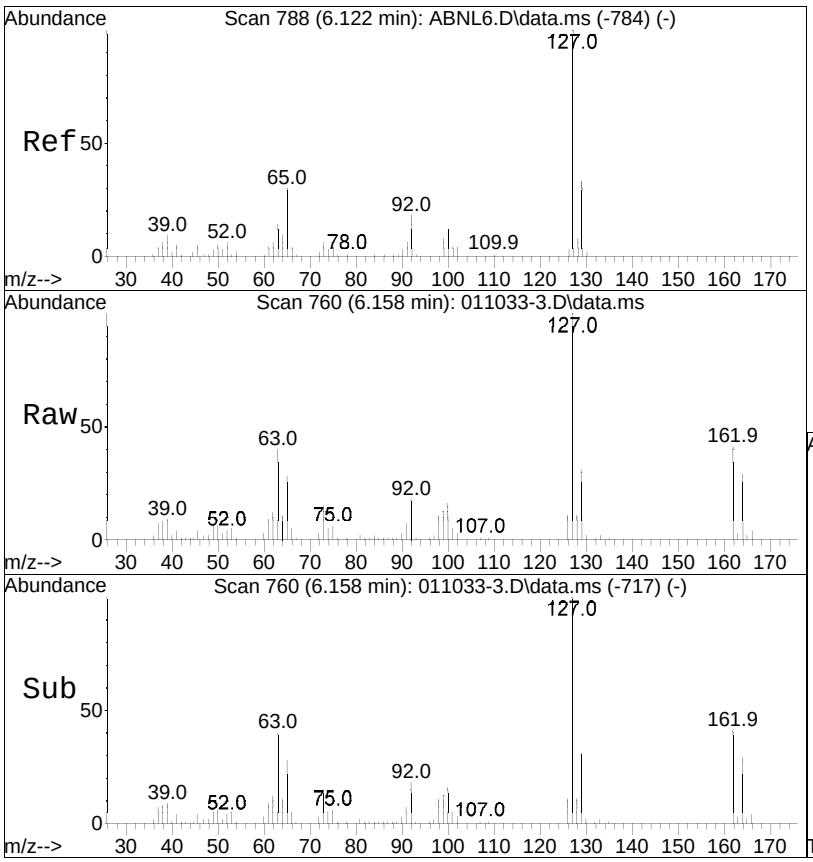


#37
Benzoic Acid
Concen: 0.35 ug/ml
RT: 5.816 min Scan# 702
Delta R.T. -0.029 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:105 Resp: 2410

Ion	Ratio	Lower	Upper
105	100		
122	77.4	62.6	93.8
77	72.9	59.1	88.7

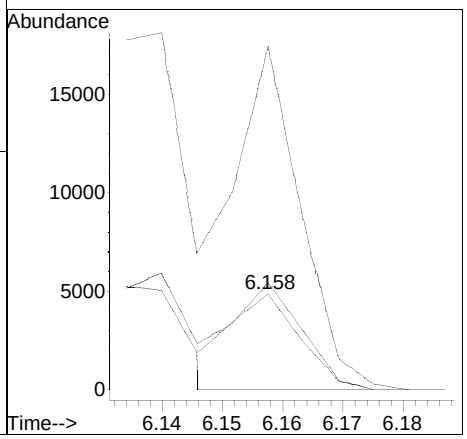


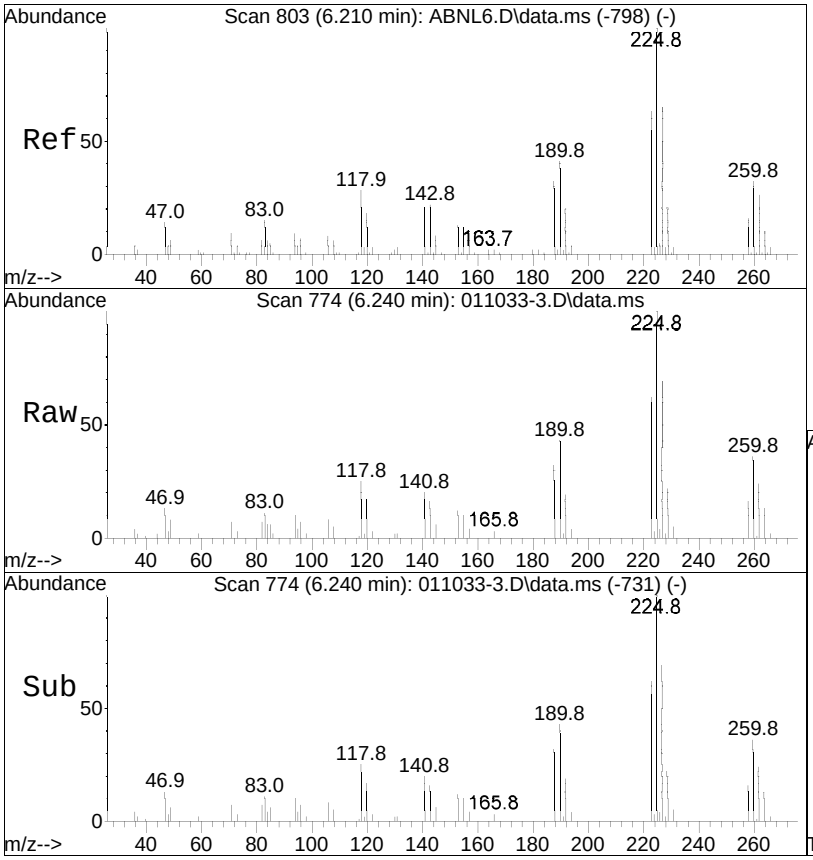


#38
4-Chloroaniline
Concen: 1.15 ug/ml M3
RT: 6.158 min Scan# 760
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 65 Resp: 3933

Ion	Ratio	Lower	Upper
65	100		
127	430.2	266.2	399.4#
129	134.4	85.0	127.4#

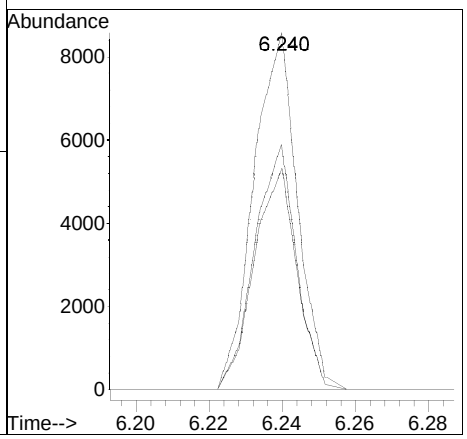


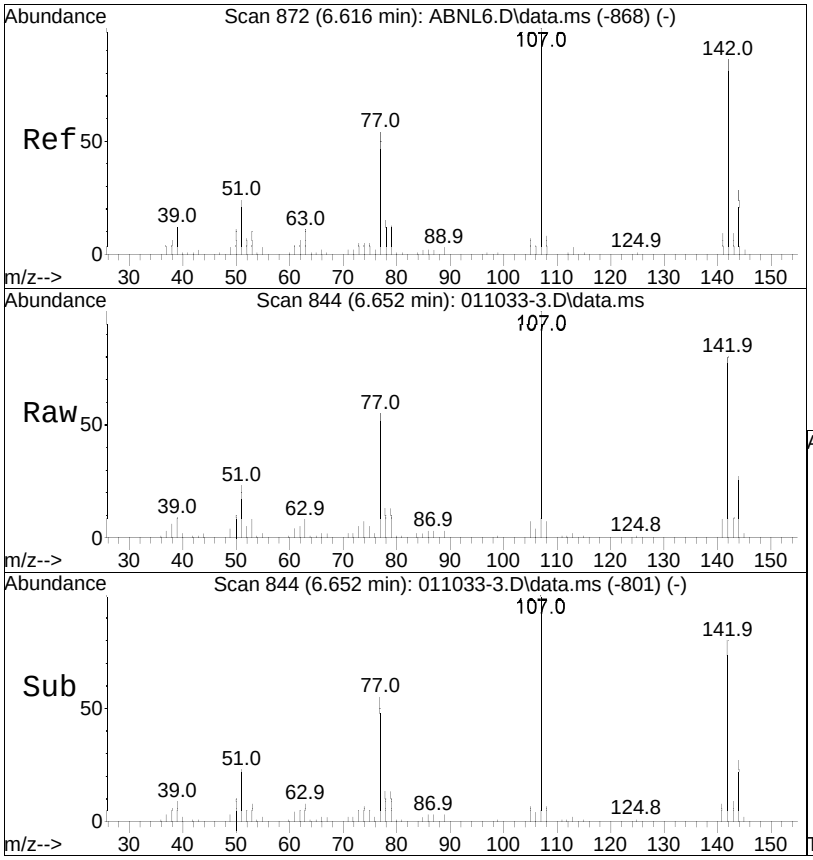


#39
Hexachlorobutadiene
Concen: 0.98 ug/ml
RT: 6.240 min Scan# 774
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:225 Resp: 7073

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.5	75.7
227	65.8	50.4	75.6

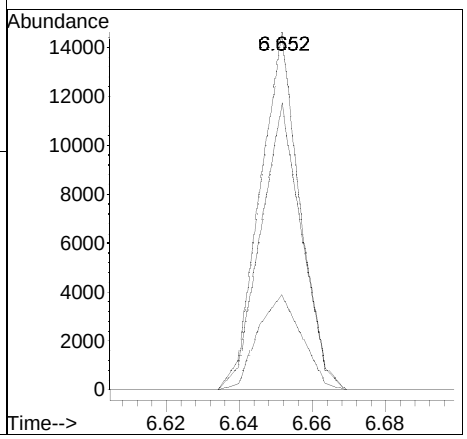


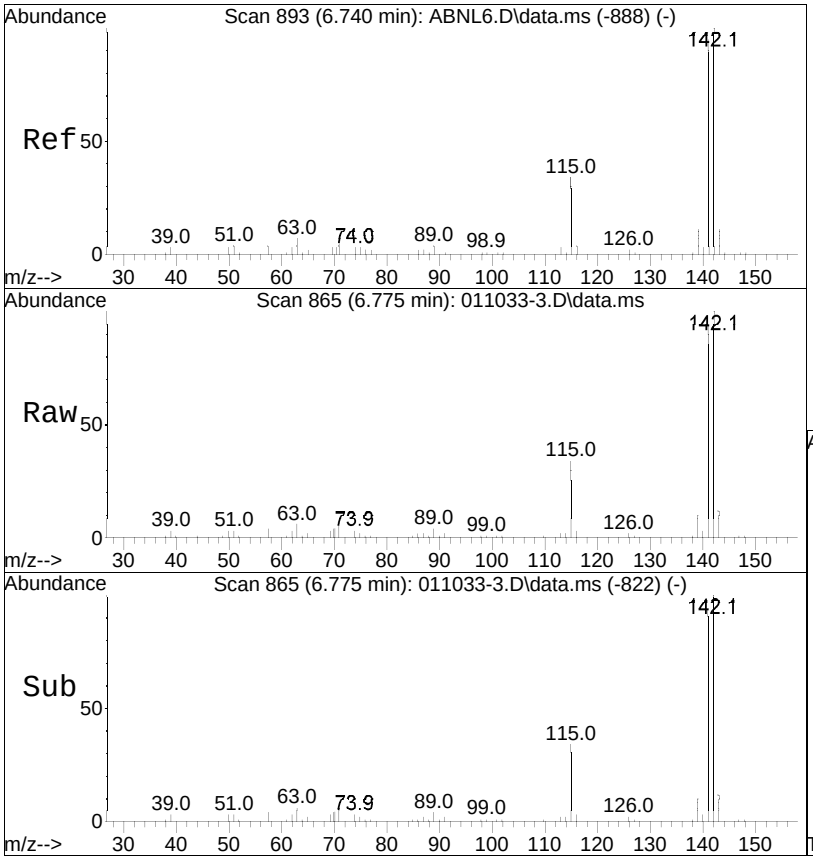


#40
p-Chloro-m-cresol
Concen: 1.39 ug/ml
RT: 6.652 min Scan# 844
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:107 Resp: 10986

Ion	Ratio	Lower	Upper
107	100		
144	29.5	20.3	30.5
142	82.8	63.8	95.6

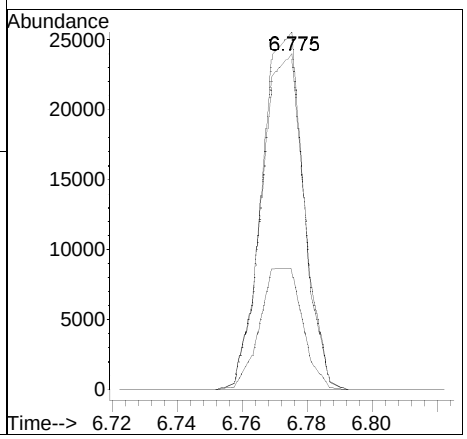


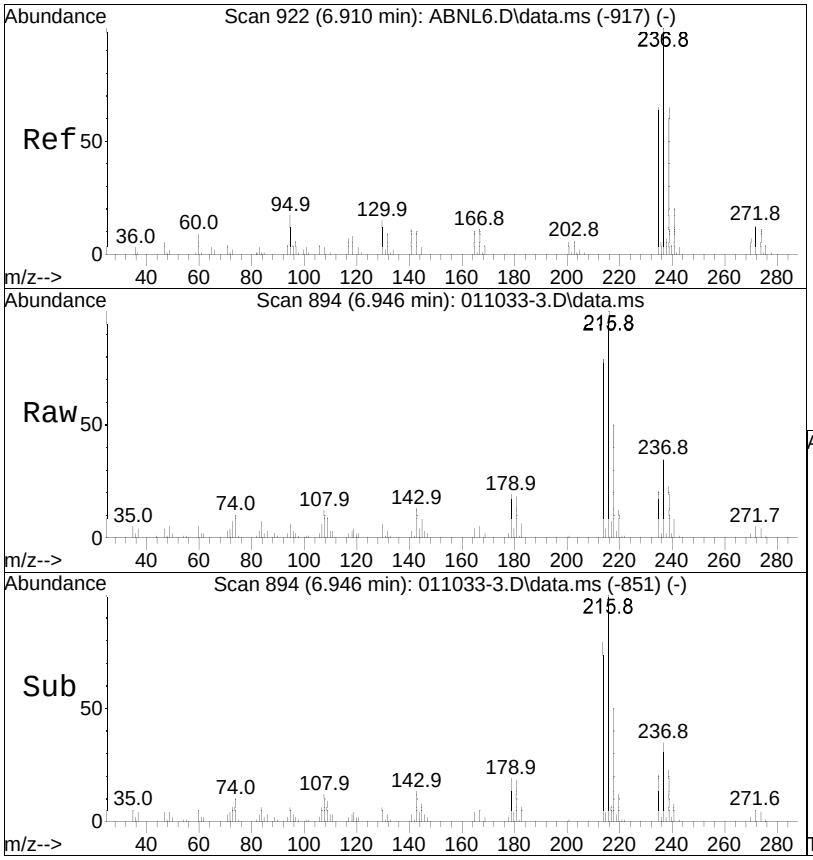


#41
2-Methylnaphthalene
Concen: 1.11 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:142 Resp: 22432

Ion	Ratio	Lower	Upper
142	100		
141	96.5	72.2	108.4
115	35.1	27.8	41.6

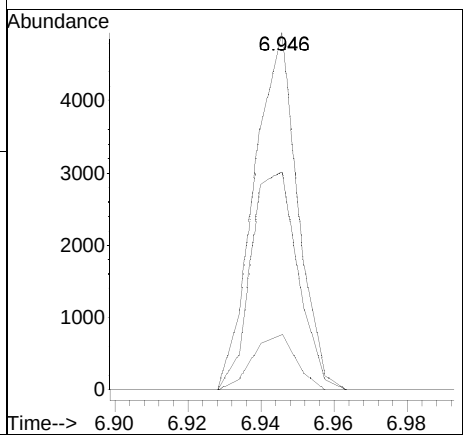


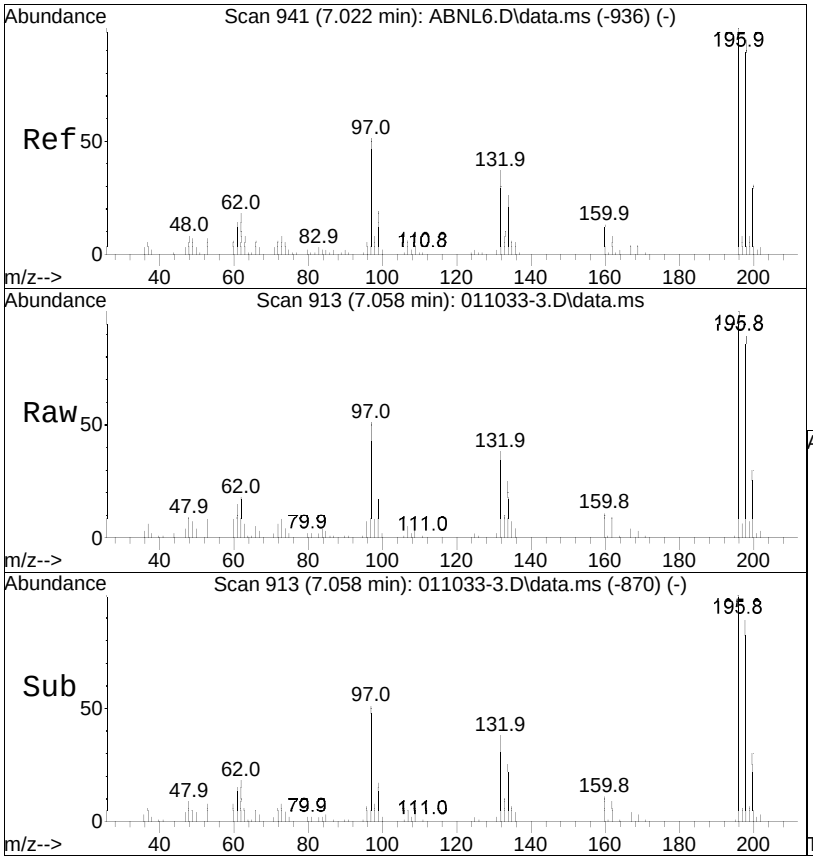


#43
Hexachlorocyclopentadiene
Concen: 0.54 ug/ml
RT: 6.946 min Scan# 894
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:237 Resp: 4082

Ion	Ratio	Lower	Upper
237	100		
235	66.0	50.9	76.3
272	15.4	10.1	15.1#

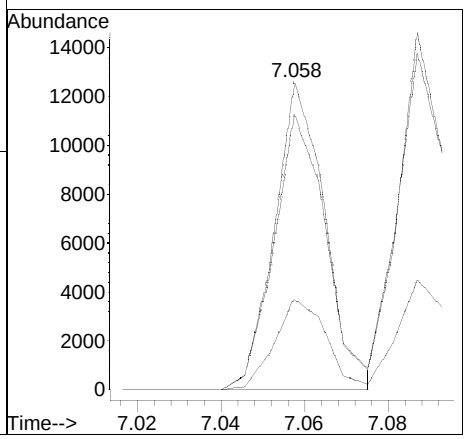


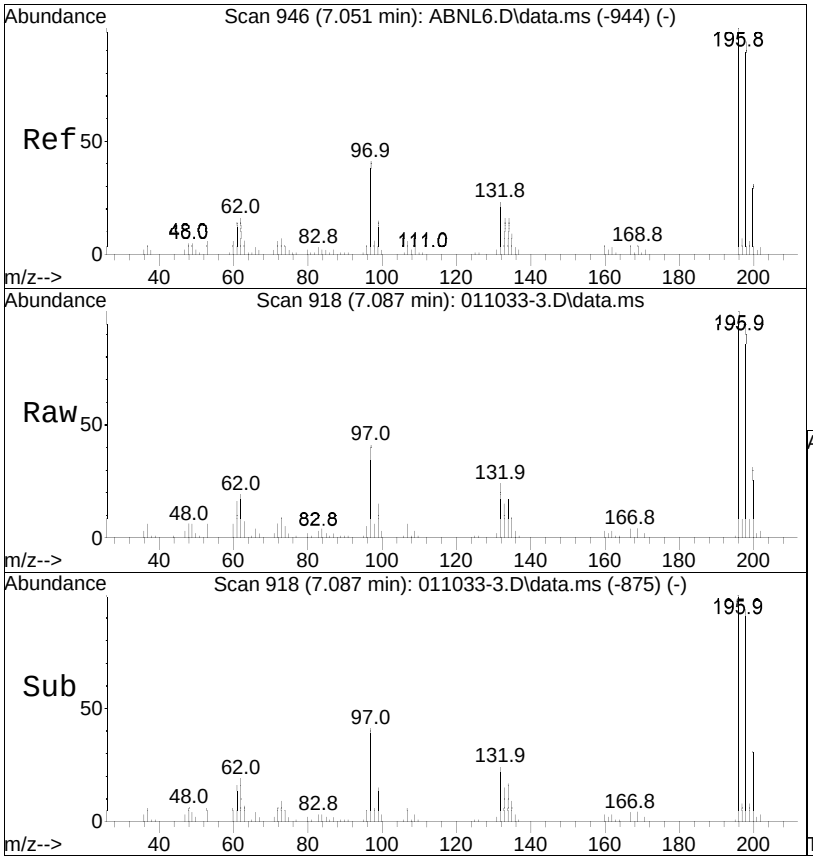


#44
2,4,6-Trichlorophenol
Concen: 1.42 ug/ml
RT: 7.058 min Scan# 913
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:196 Resp: 10556

Ion	Ratio	Lower	Upper
196	100		
198	92.8	76.4	114.6
200	30.5	24.4	36.6

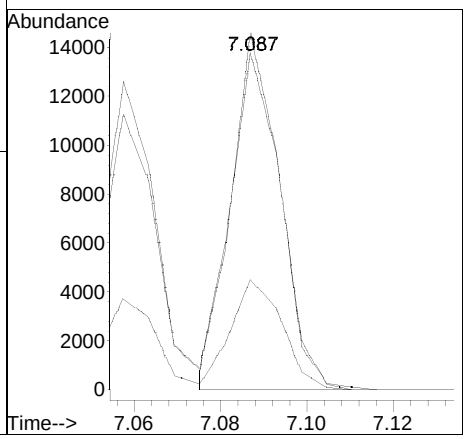


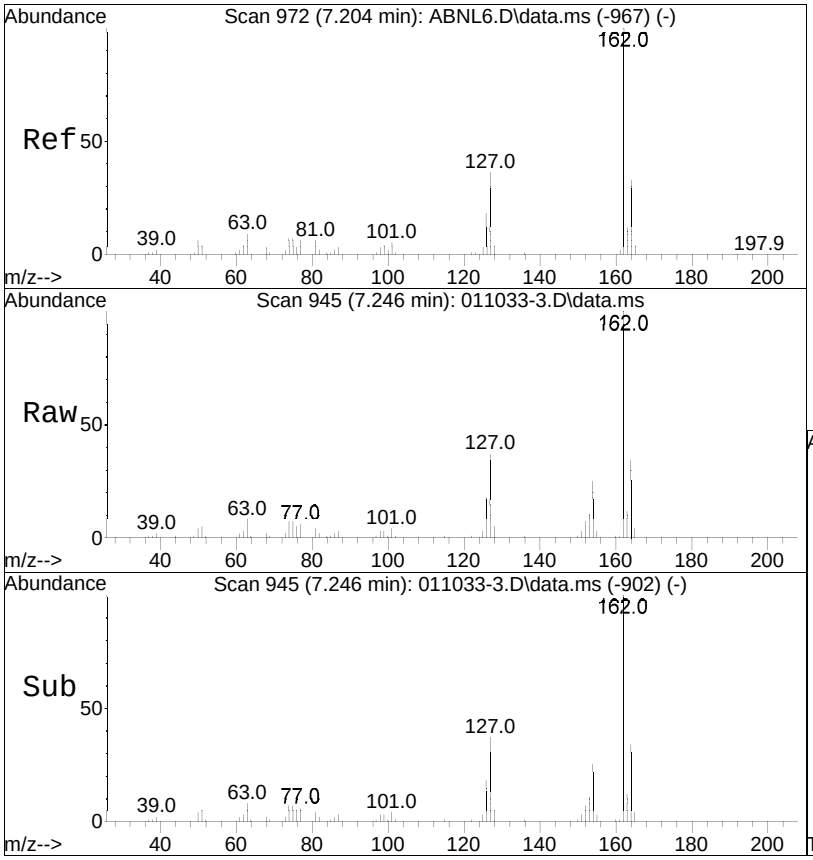


#45
2,4,5-Trichlorophenol
Concen: 1.43 ug/ml M3
RT: 7.087 min Scan# 918
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:196 Resp: 11339

Ion	Ratio	Lower	Upper
196	100		
200	28.4	24.2	36.4
198	86.4	76.2	114.2

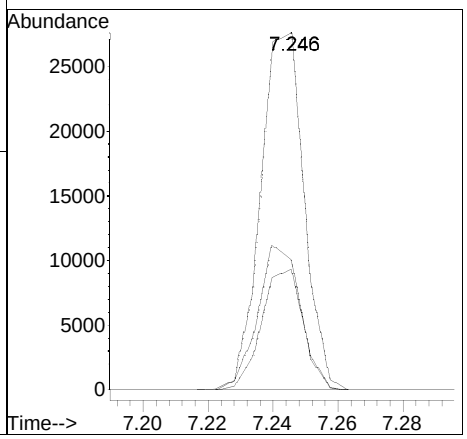


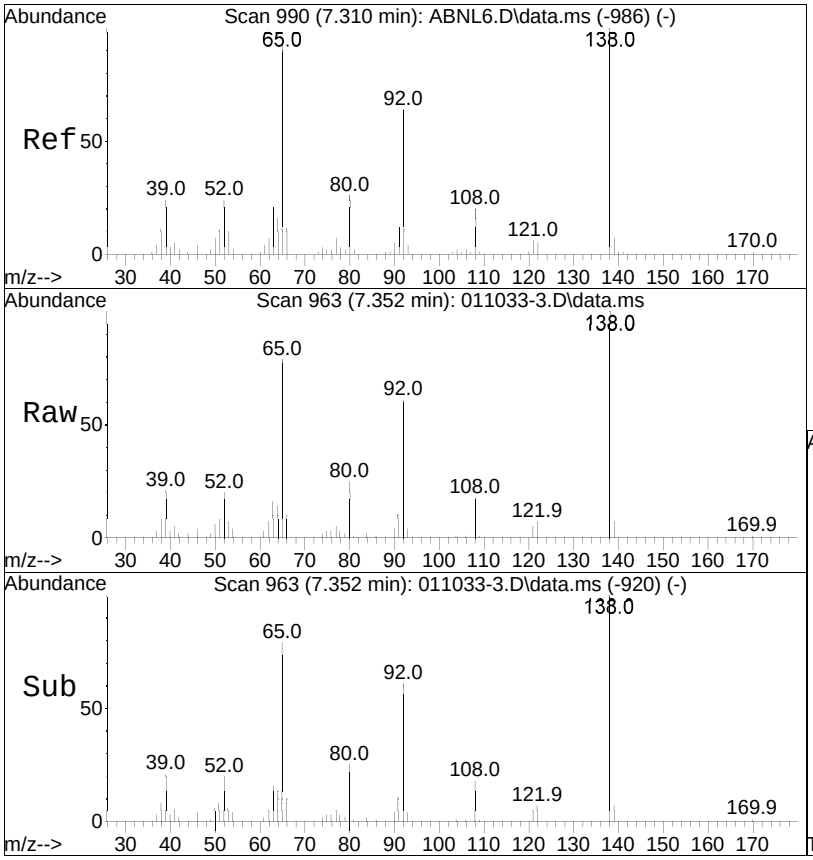


#47
2-Chloronaphthalene
Concen: 1.18 ug/ml
RT: 7.246 min Scan# 945
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:162 Resp: 25373

Ion	Ratio	Lower	Upper
162	100		
127	40.0	33.8	50.6
164	33.0	25.8	38.6

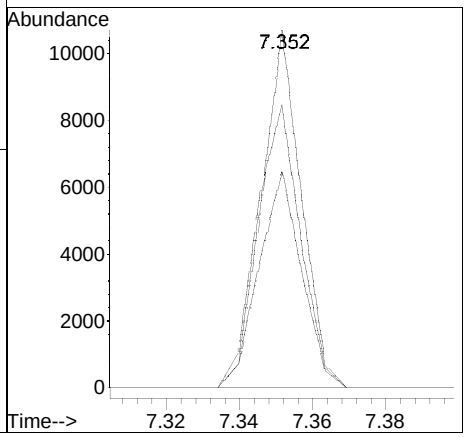


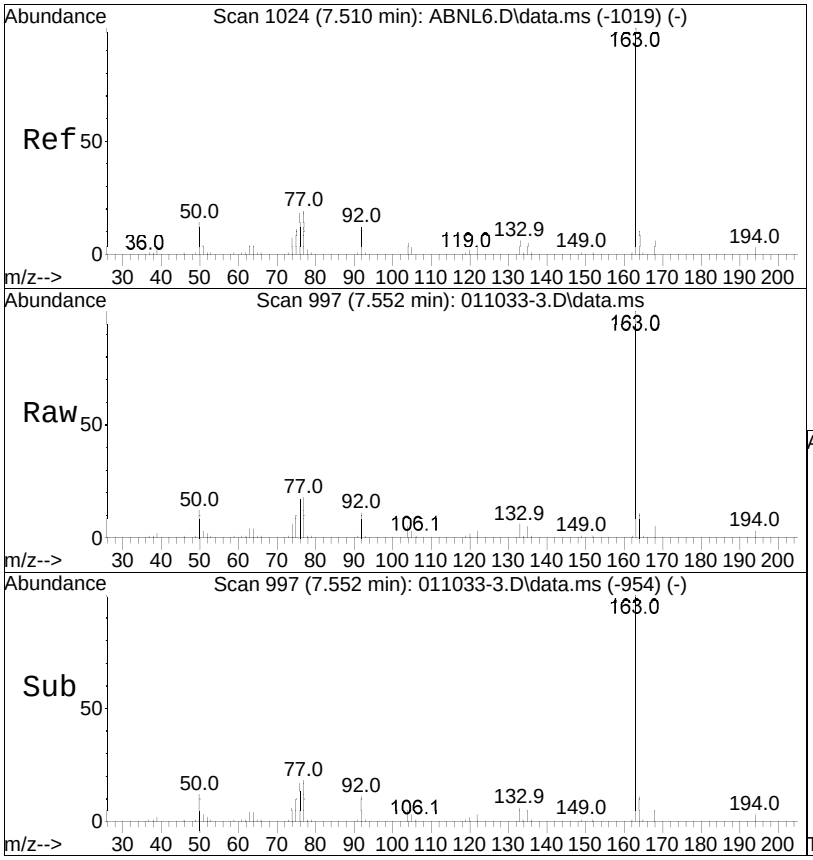


#48
2-Nitroaniline
Concen: 1.42 ug/ml
RT: 7.352 min Scan# 963
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:138 Resp: 7954

Ion	Ratio	Lower	Upper
138	100		
92	65.4	52.1	78.1
65	87.7	75.9	113.9

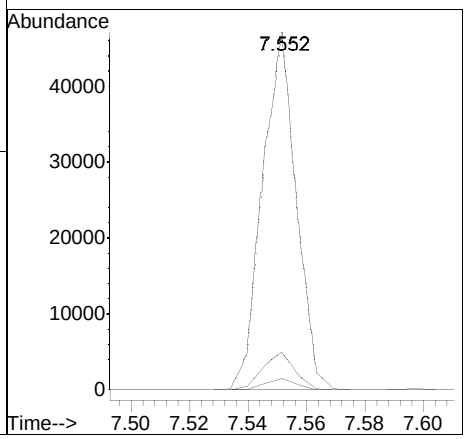


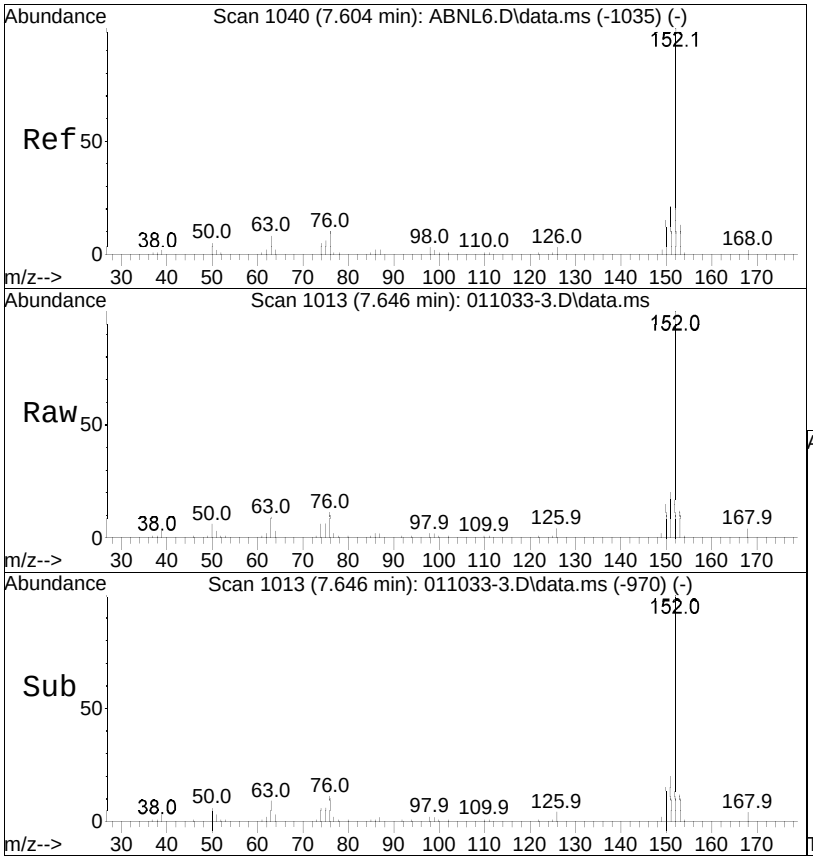


#51
Dimethyl phthalate
Concen: 1.47 ug/ml
RT: 7.552 min Scan# 997
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:163 Resp: 37406

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	10.1	8.2	12.2

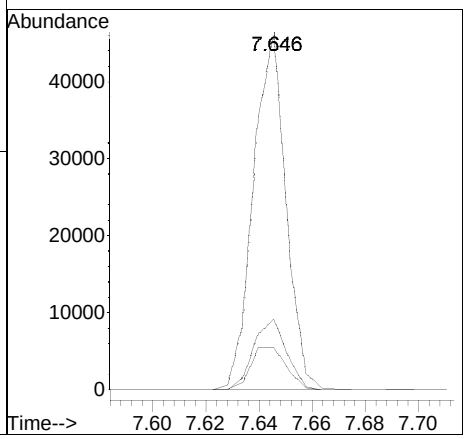


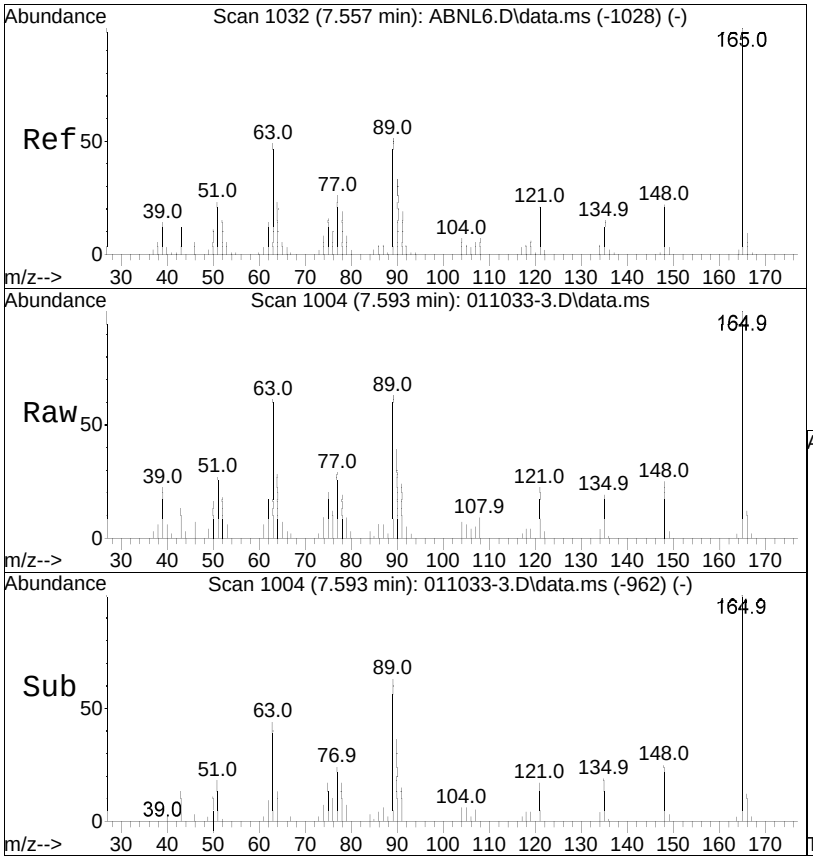


#52
Acenaphthylene
Concen: 1.28 ug/ml
RT: 7.646 min Scan# 1013
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:152 Resp: 38839

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.3	10.5	15.7

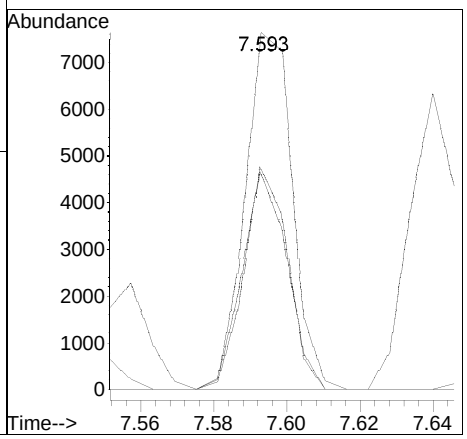


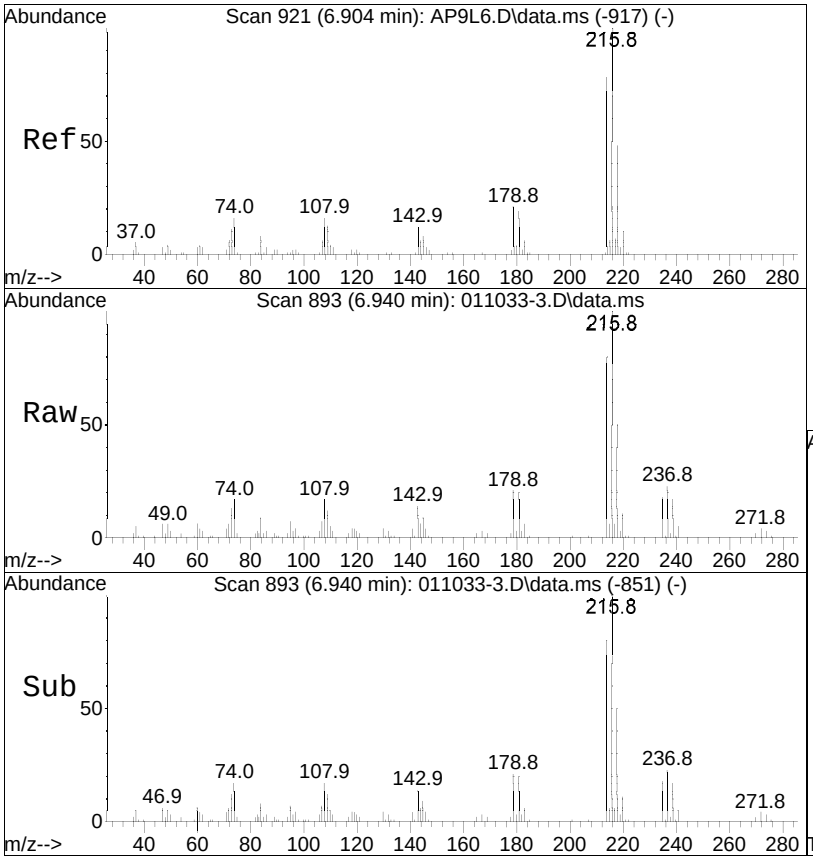


#53
2,6-Dinitrotoluene
Concen: 1.41 ug/ml
RT: 7.593 min Scan# 1004
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:165 Resp: 6863

Ion	Ratio	Lower	Upper
165	100		
89	57.5	48.8	73.2
63	58.0	50.5	75.7

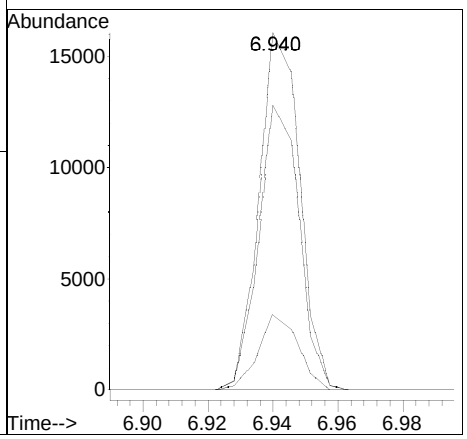


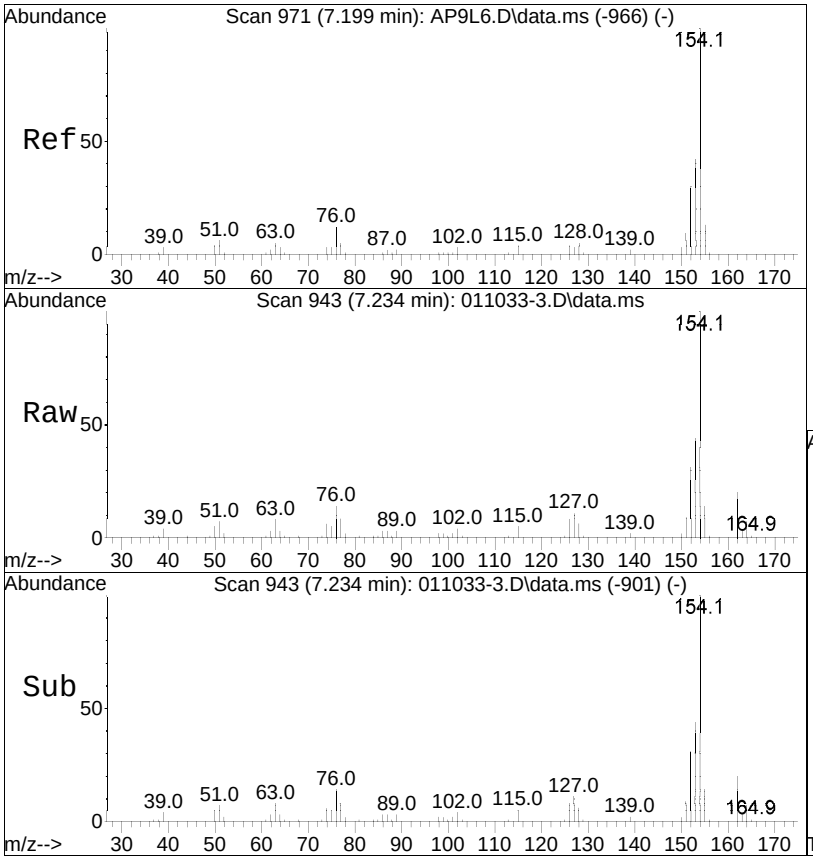


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.08 ug/ml
RT: 6.940 min Scan# 893
Delta R.T. -0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:216 Resp: 14010

Ion	Ratio	Lower	Upper
216	100		
214	79.4	64.0	96.0
179	20.7	18.7	28.1

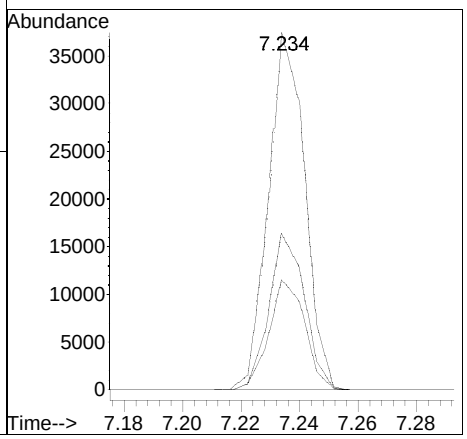


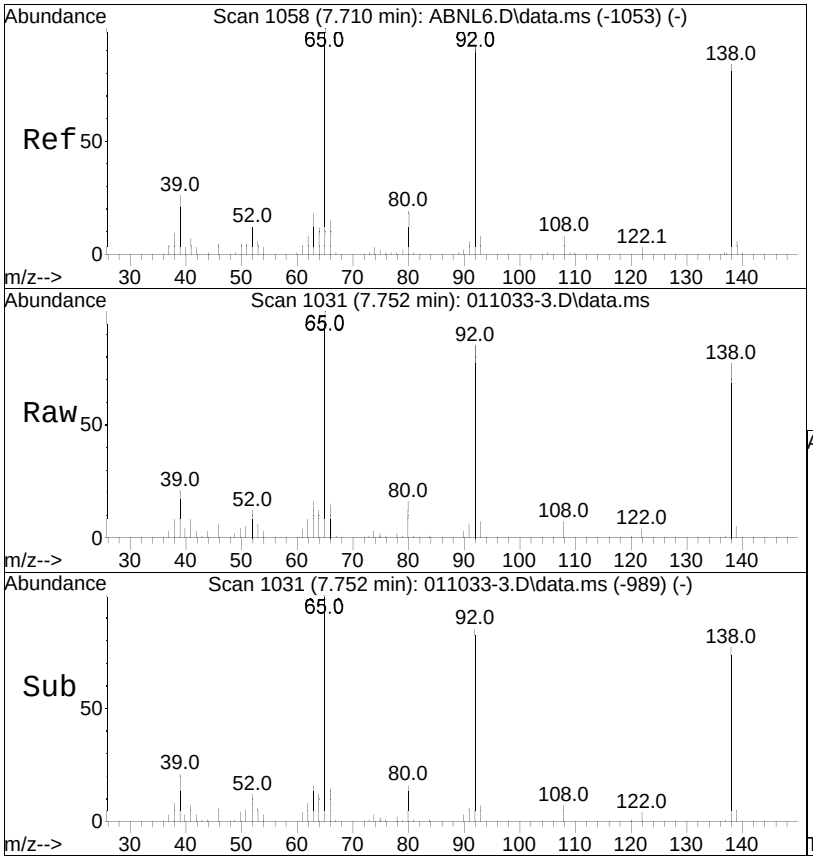


#62
Biphenyl
Concen: 1.20 ug/ml
RT: 7.234 min Scan# 943
Delta R.T. -0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:154 Resp: 32174

Ion	Ratio	Lower	Upper
154	100		
153	42.9	32.5	48.7
152	30.6	22.6	34.0

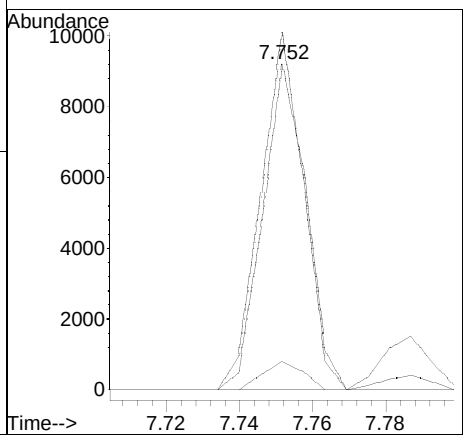


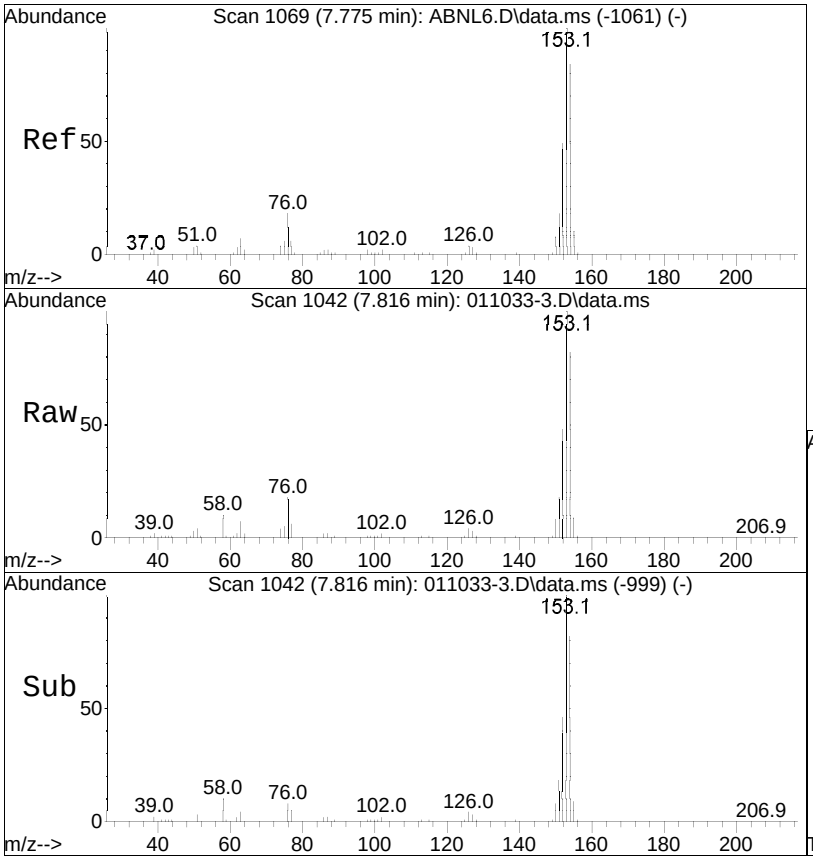


#64
3-Nitroaniline
Concen: 1.37 ug/ml
RT: 7.752 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:138 Resp: 7564

Ion	Ratio	Lower	Upper
138	100		
92	108.4	92.8	139.2
108	8.2	7.9	11.9

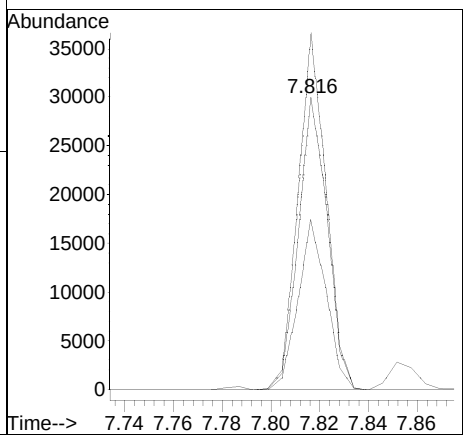


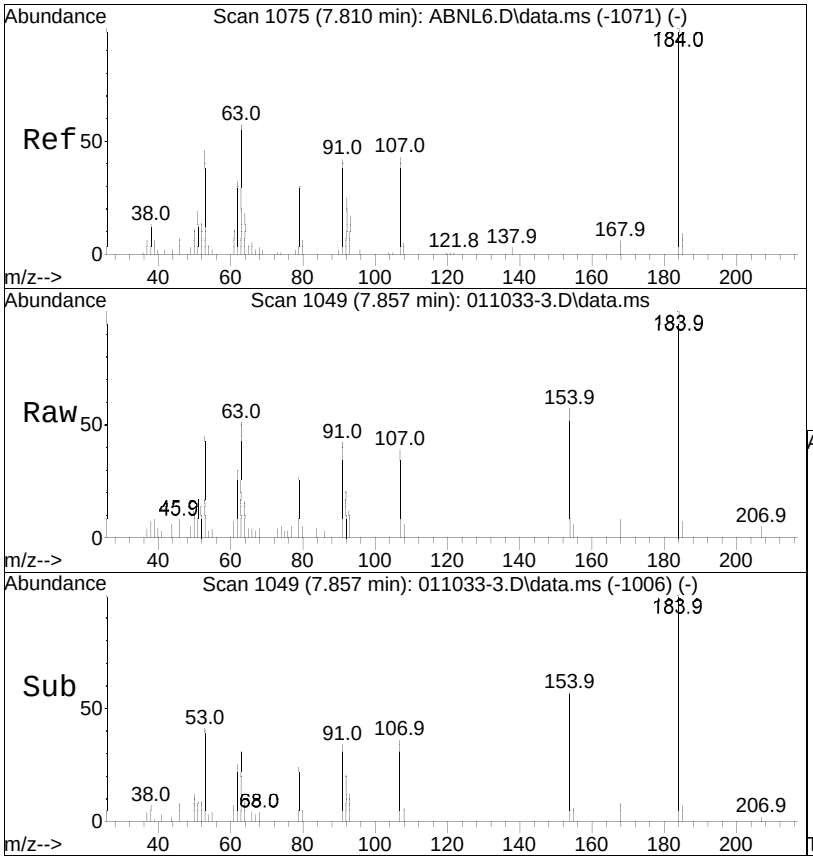


#65
Acenaphthene
Concen: 1.26 ug/ml
RT: 7.816 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:154 Resp: 24859

Ion	Ratio	Lower	Upper
154	100		
153	117.7	93.0	139.4
152	56.8	43.3	64.9

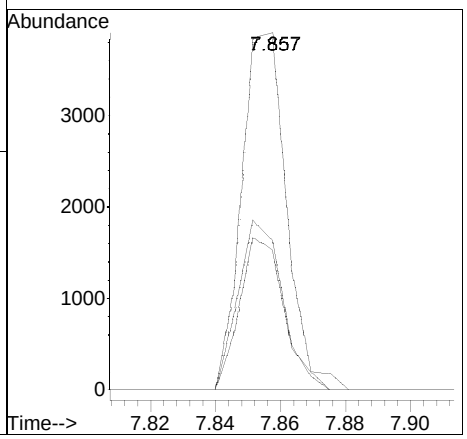


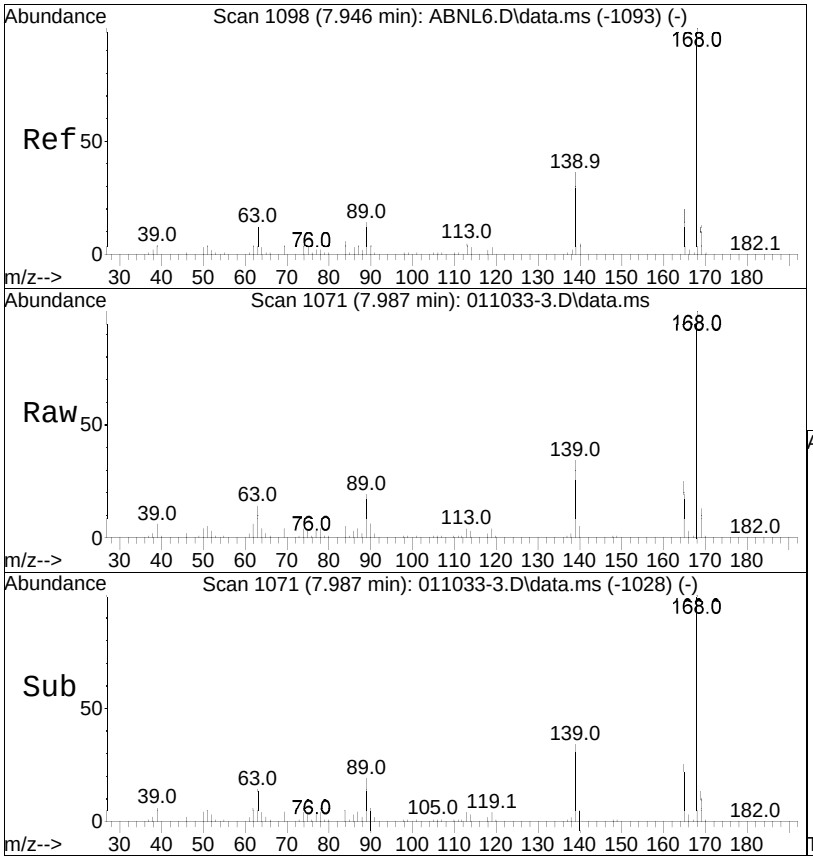


#66
2,4-Dinitrophenol
Concen: 1.30 ug/ml
RT: 7.857 min Scan# 1049
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:184 Resp: 3723

Ion	Ratio	Lower	Upper
184	100		
107	42.3	41.8	62.6
91	46.9	44.2	66.2

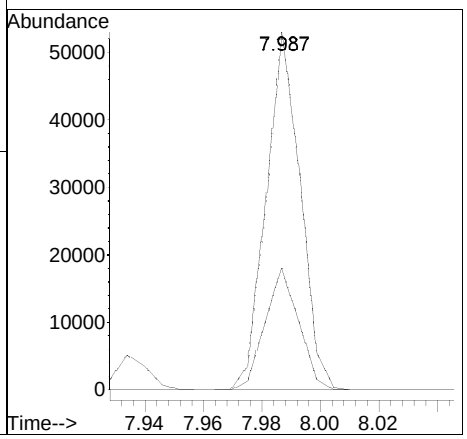


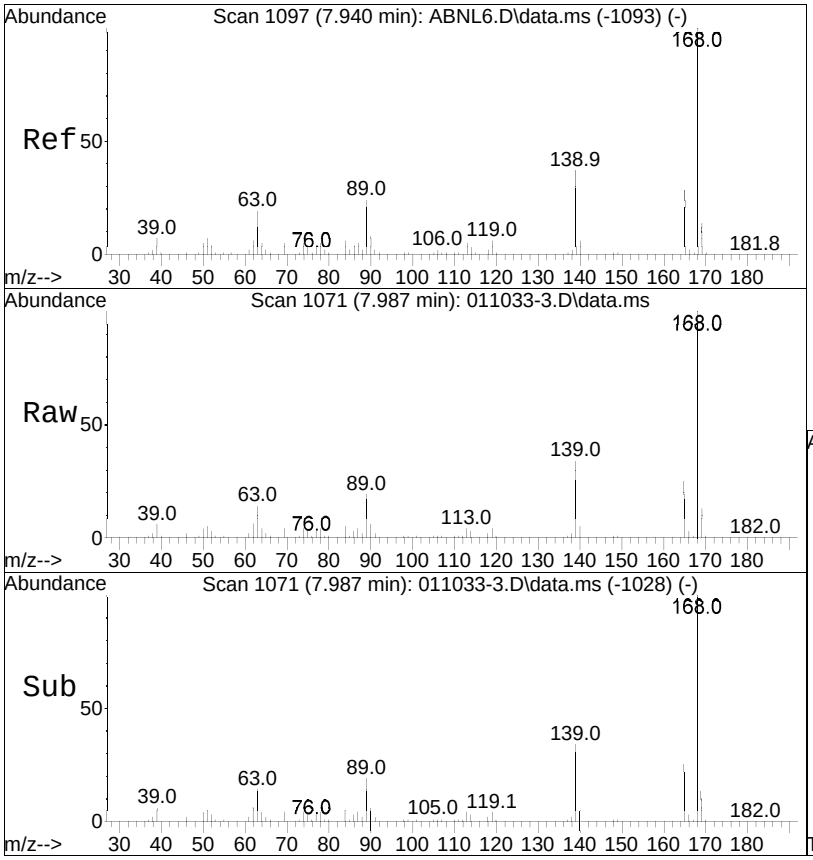


#67
Dibenzofuran
Concen: 1.27 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:168 Resp: 42459

Ion	Ratio	Lower	Upper
168	100		
139	33.8	32.3	48.5

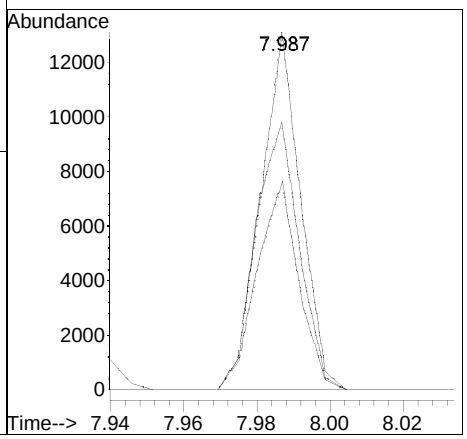


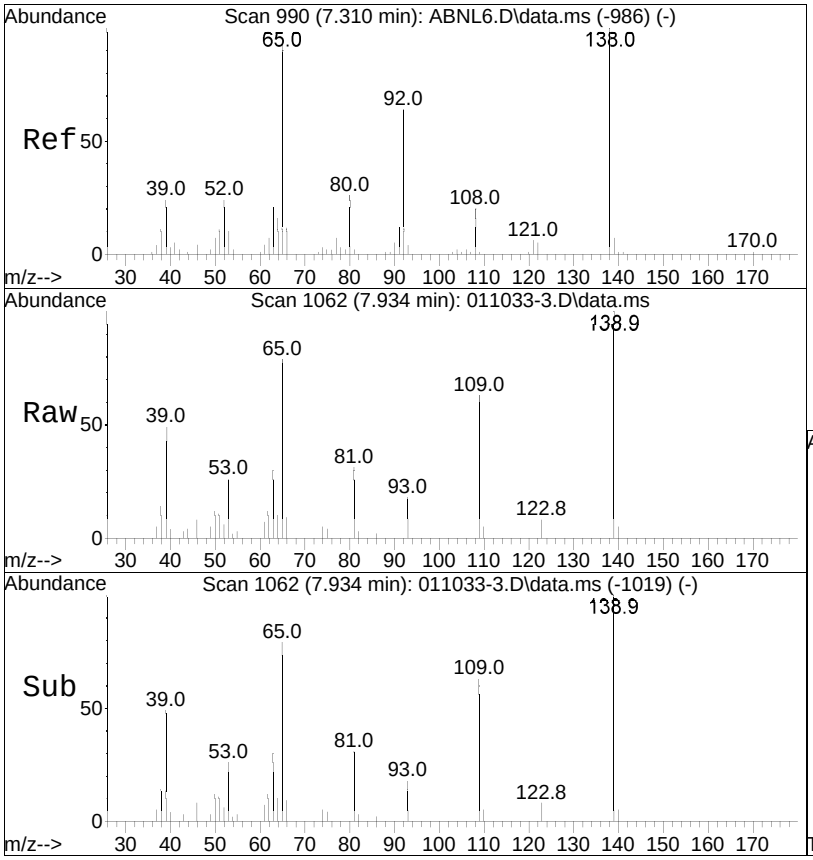


#68
2,4-Dinitrotoluene
Concen: 1.42 ug/ml
RT: 7.987 min Scan# 1071
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:165 Resp: 9836

Ion	Ratio	Lower	Upper
165	100		
89	81.5	73.0	109.4
63	61.0	56.3	84.5

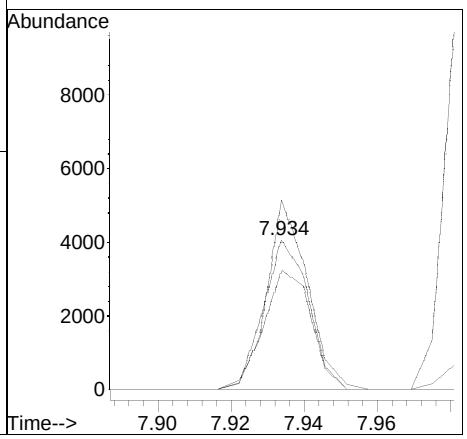


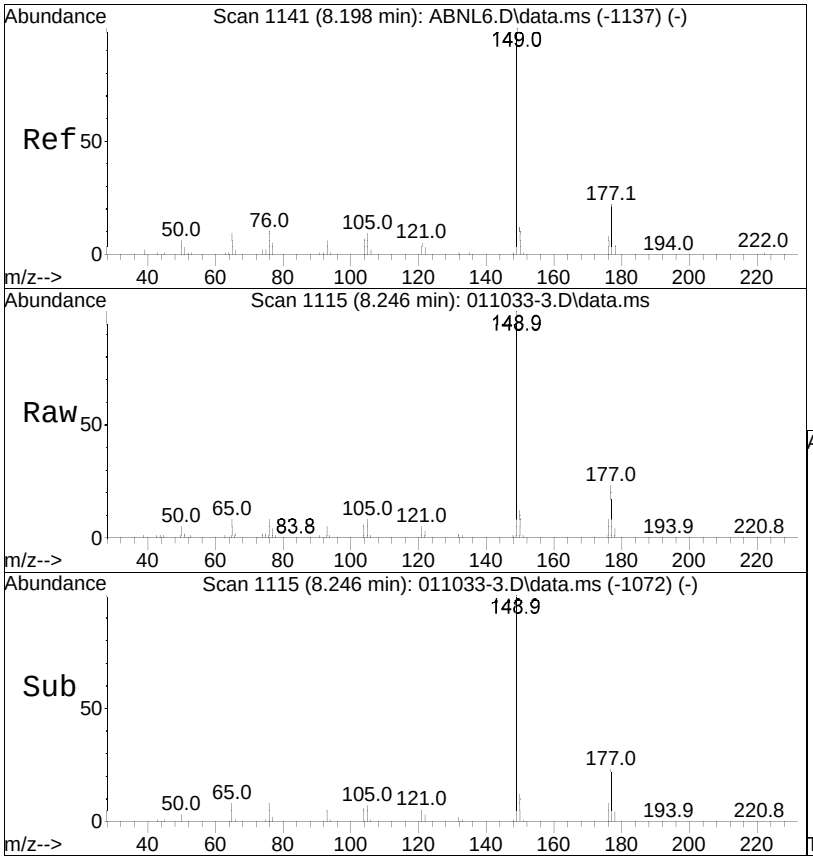


#69
4-Nitrophenol
Concen: 0.81 ug/ml
RT: 7.934 min Scan# 1062
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion: 65 Resp: 3483

Ion	Ratio	Lower	Upper
65	100		
109	84.2	60.2	90.2
139	114.0	81.1	121.7

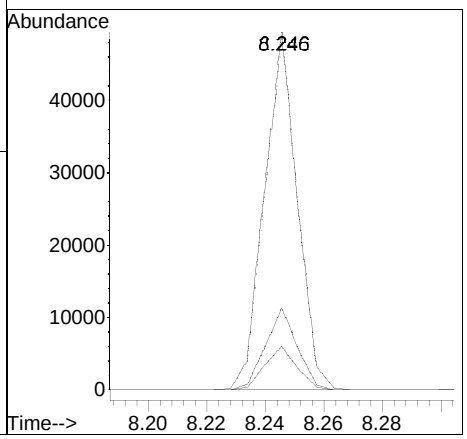


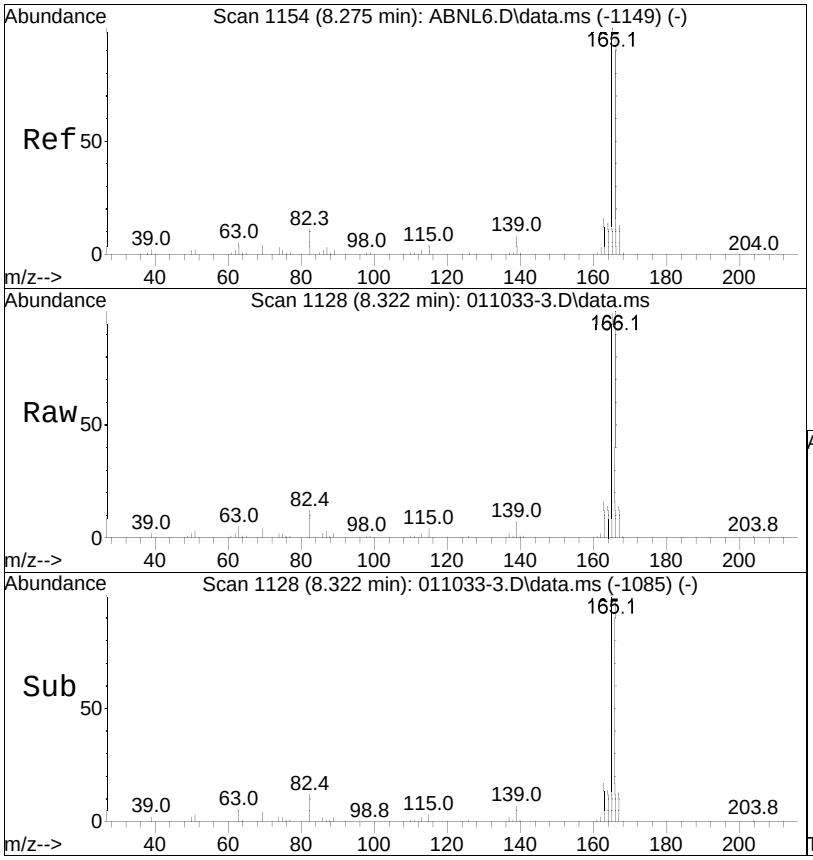


#72
Diethyl phthalate
Concen: 1.47 ug/ml
RT: 8.246 min Scan# 1115
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:149 Resp: 38004

Ion	Ratio	Lower	Upper
149	100		
177	22.2	15.0	22.6
150	11.9	9.8	14.6

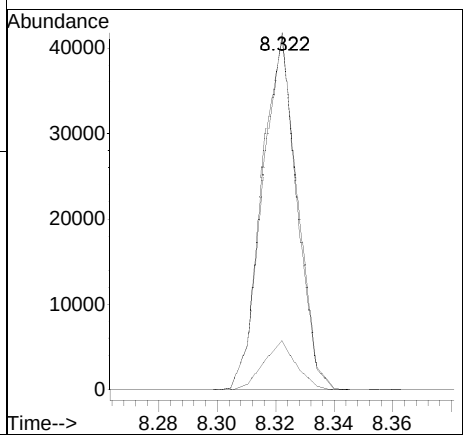


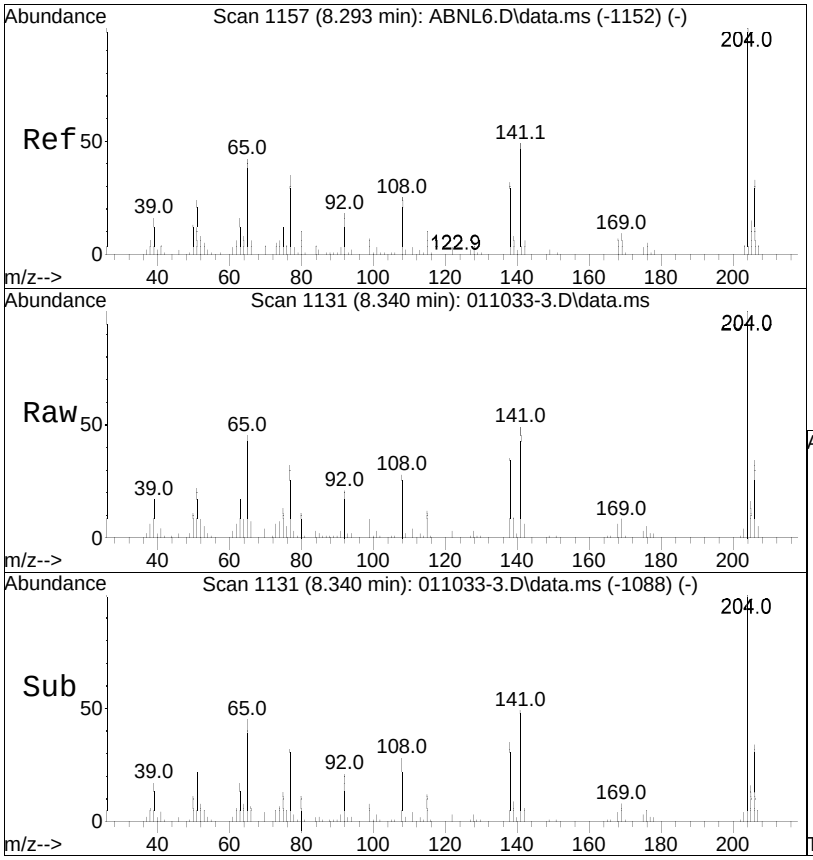


#73
Fluorene
Concen: 1.32 ug/ml
RT: 8.322 min Scan# 1128
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:166 Resp: 33739

Ion	Ratio	Lower	Upper
166	100		
165	103.5	80.0	120.0
167	13.3	10.7	16.1

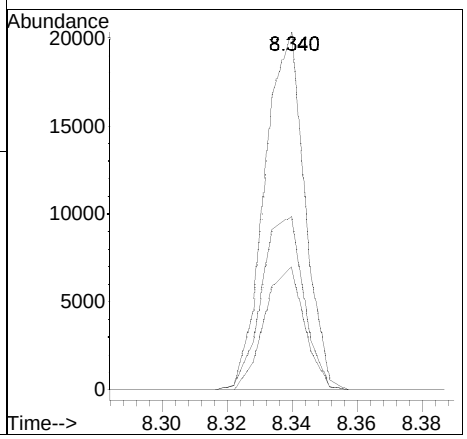


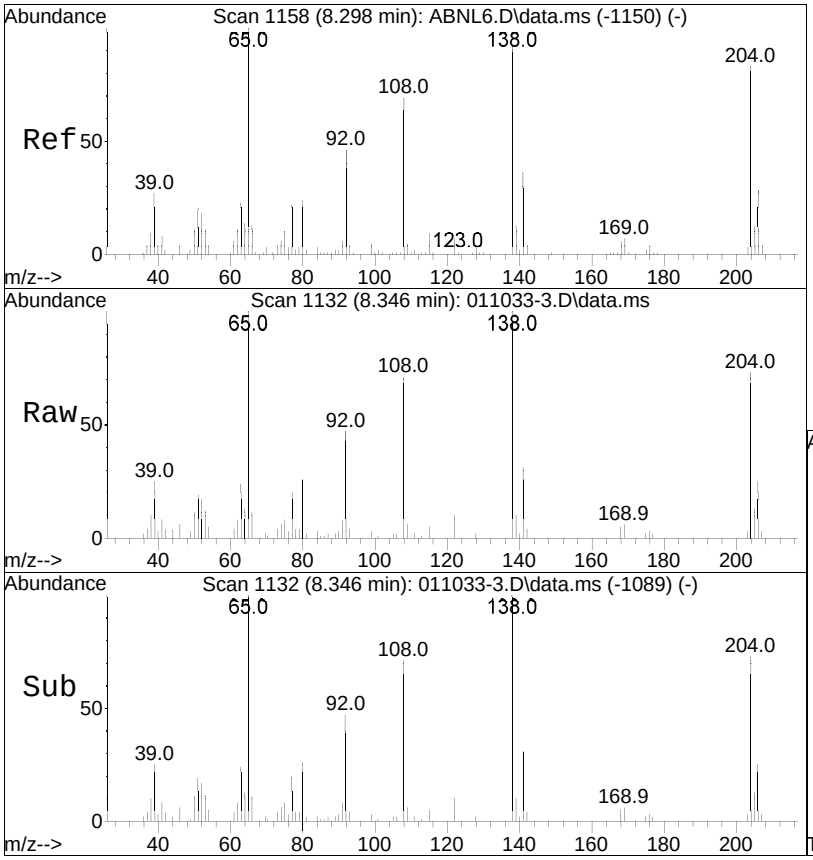


#74
4-Chlorophenyl phenyl ether
Concen: 1.24 ug/ml
RT: 8.340 min Scan# 1131
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:204 Resp: 17301

Ion	Ratio	Lower	Upper
204	100		
206	34.4	26.3	39.5
141	51.1	58.4	87.6#

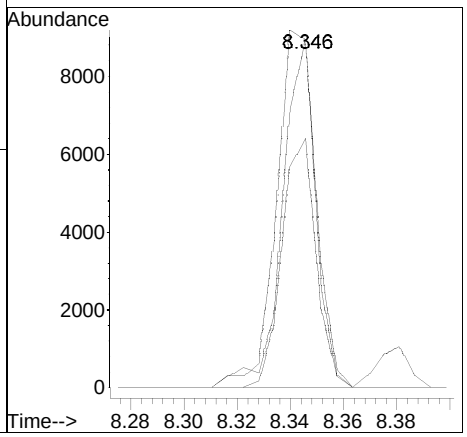


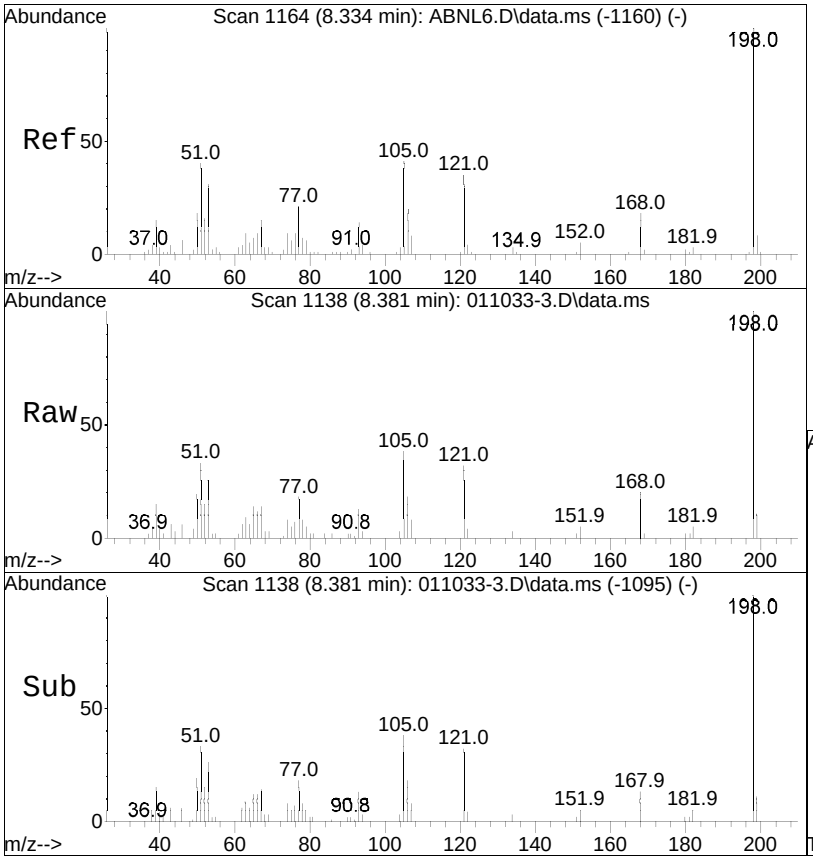


#75
4-Nitroaniline
Concen: 1.46 ug/ml
RT: 8.346 min Scan# 1132
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:138 Resp: 8019

Ion	Ratio	Lower	Upper
138	100		
108	71.0	59.2	88.8
65	114.5	97.6	146.4

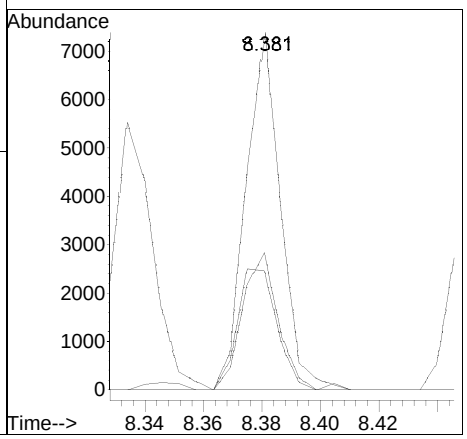


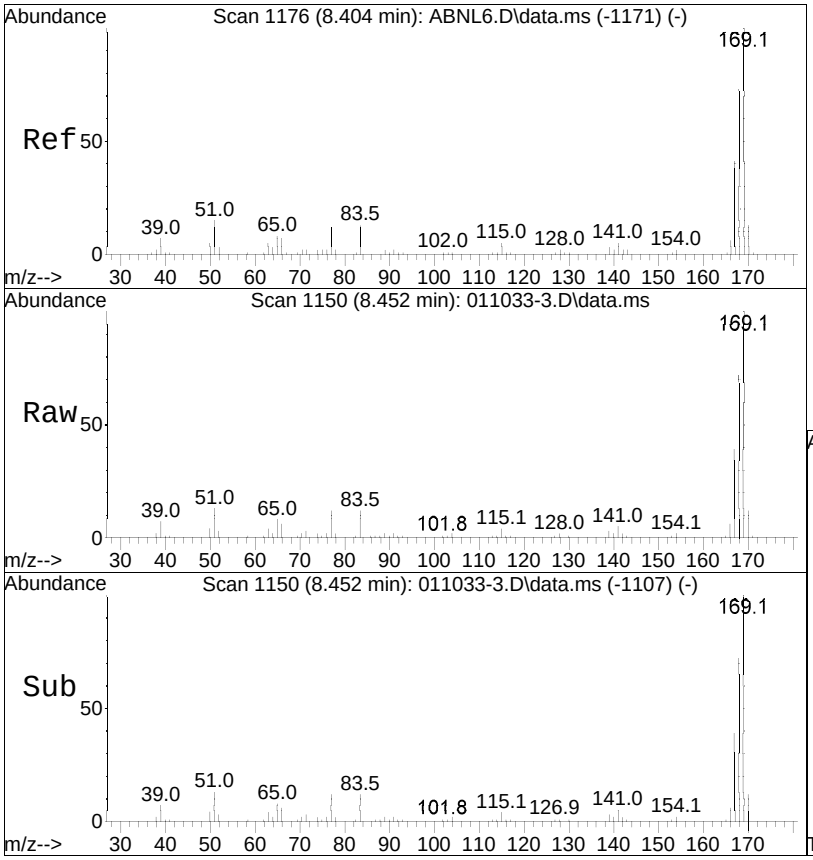


#76
4,6-Dinitro-o-cresol
Concen: 1.46 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:198 Resp: 6067

Ion	Ratio	Lower	Upper
198	100		
51	39.5	49.9	74.9#
105	39.5	45.8	68.6#

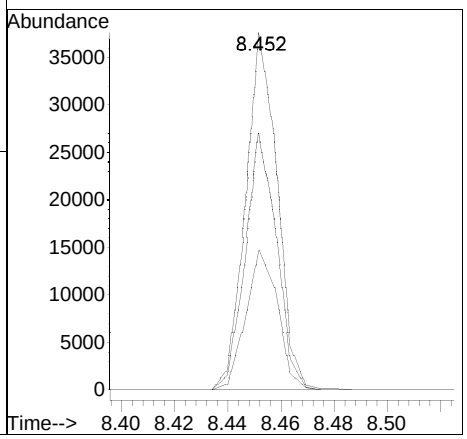


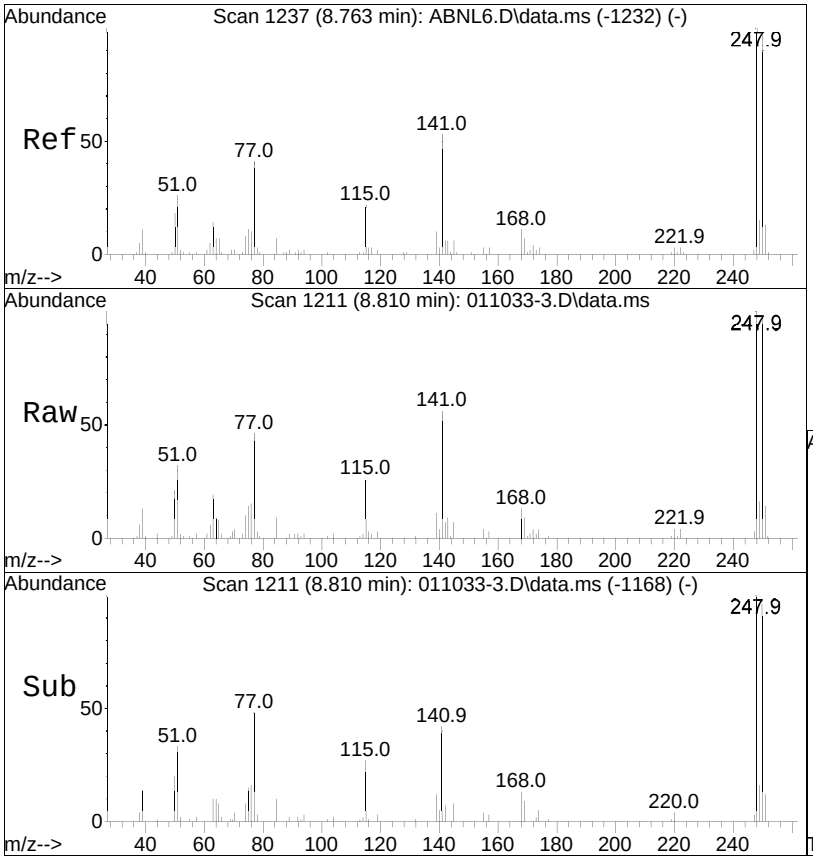


#77
NDPA/DPA
Concen: 1.45 ug/ml
RT: 8.452 min Scan# 1150
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:169 Resp: 30865

Ion	Ratio	Lower	Upper
169	100		
168	71.0	55.2	82.8
167	39.6	30.4	45.6

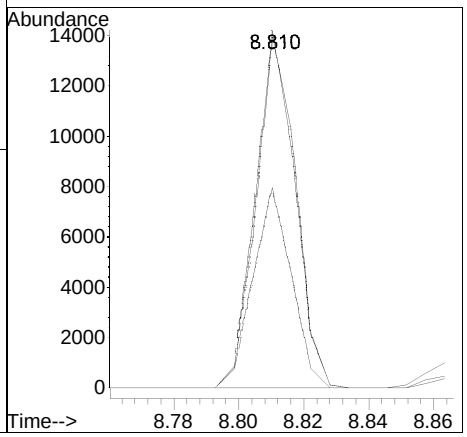


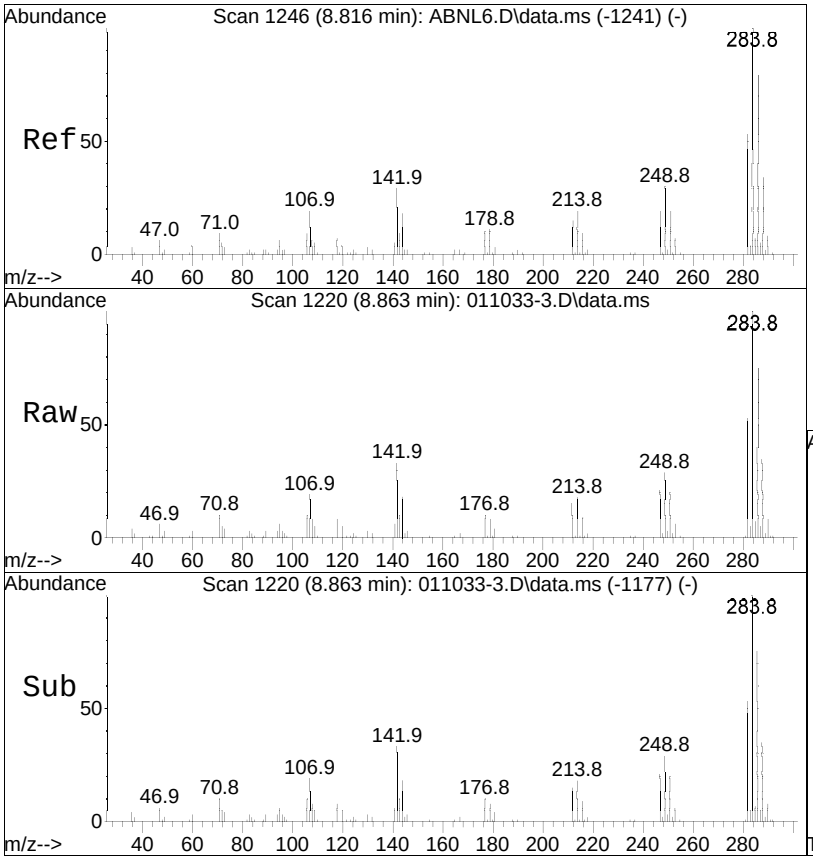


#80
4-Bromophenyl phenyl ether
Concen: 1.32 ug/ml
RT: 8.810 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:248 Resp: 11768

Ion	Ratio	Lower	Upper
248	100		
141	54.9	74.6	111.8#
250	99.7	76.9	115.3

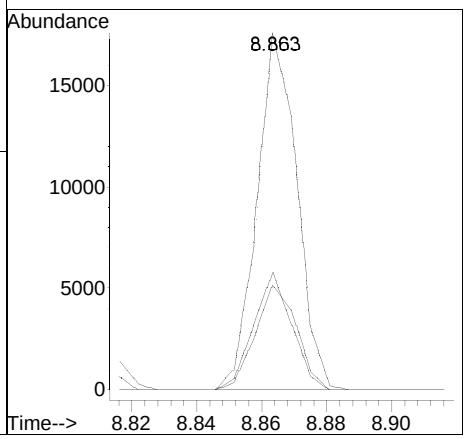


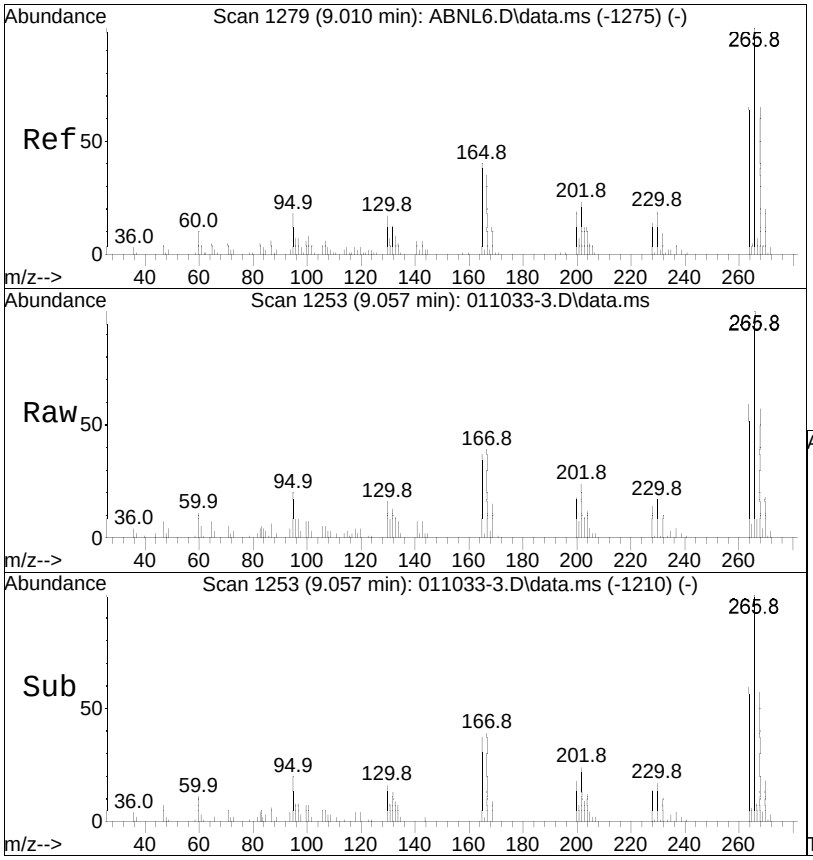


#81
Hexachlorobenzene
Concen: 1.37 ug/ml
RT: 8.863 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:284 Resp: 14898

Ion	Ratio	Lower	Upper
284	100		
142	31.7	37.6	56.4#
249	30.4	25.4	38.2

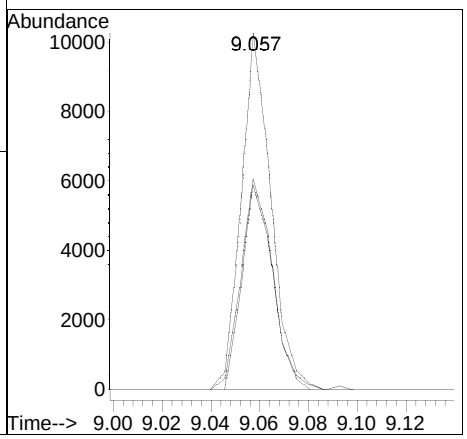


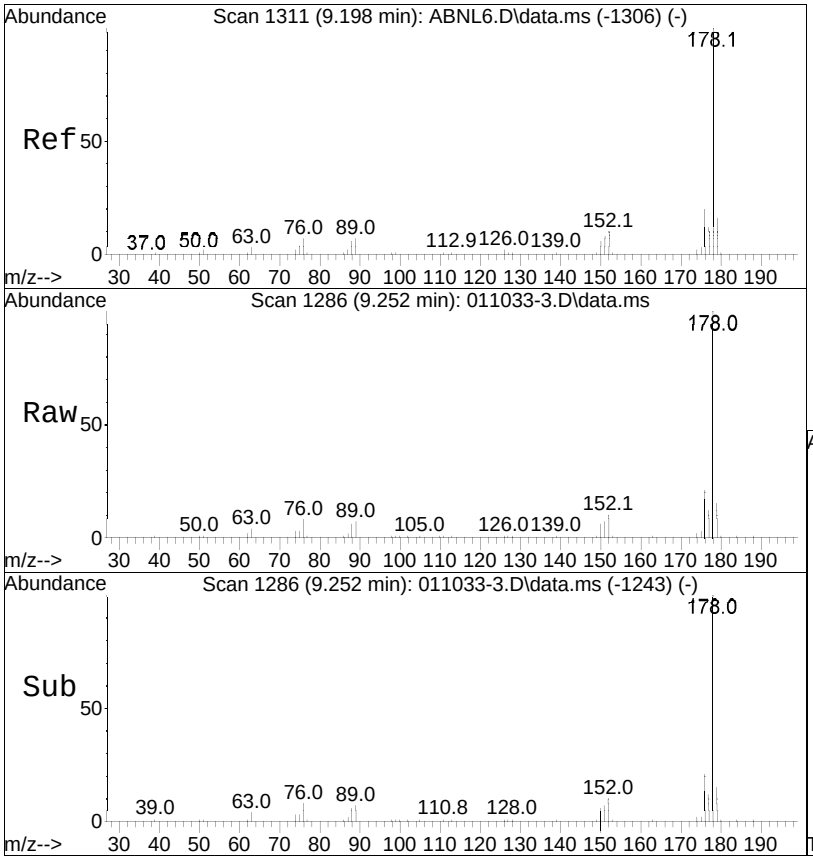


#82
Pentachlorophenol
Concen: 1.47 ug/ml
RT: 9.057 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:266 Resp: 8679

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.7	76.1
268	58.9	52.5	78.7

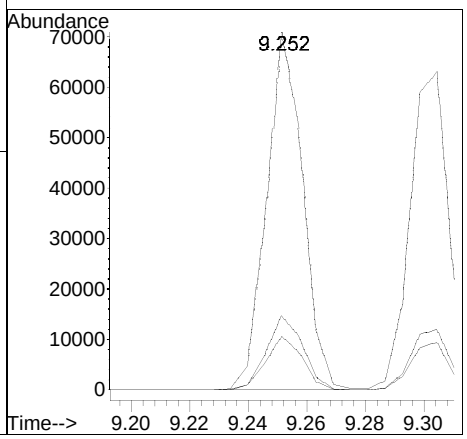


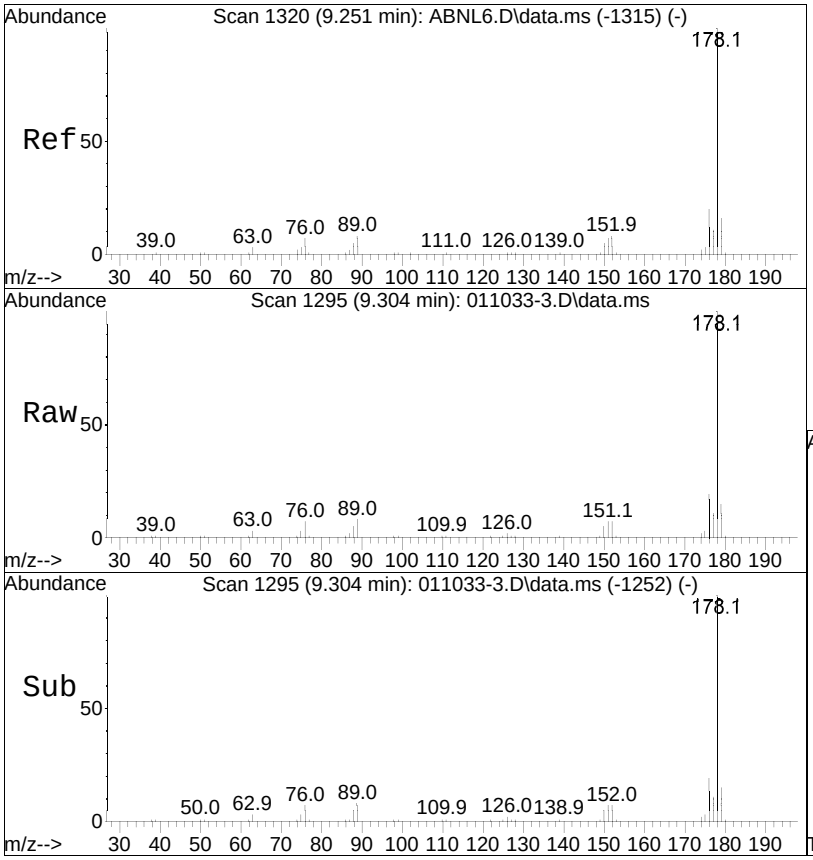


#89
Phenanthrene
Concen: 1.45 ug/ml
RT: 9.252 min Scan# 1286
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:178 Resp: 60919

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	20.7	15.4	23.2

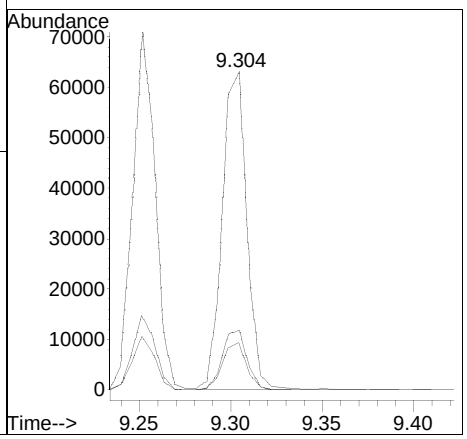


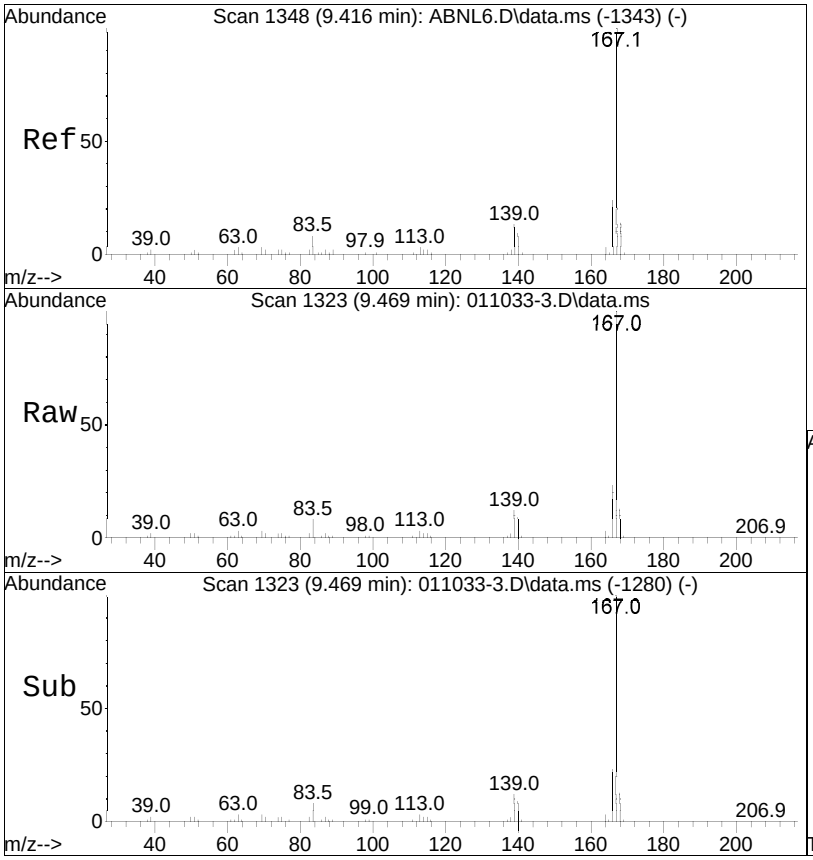


#90
Anthracene
Concen: 1.45 ug/ml
RT: 9.304 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:178 Resp: 59224

Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.2	18.2
176	18.8	15.1	22.7

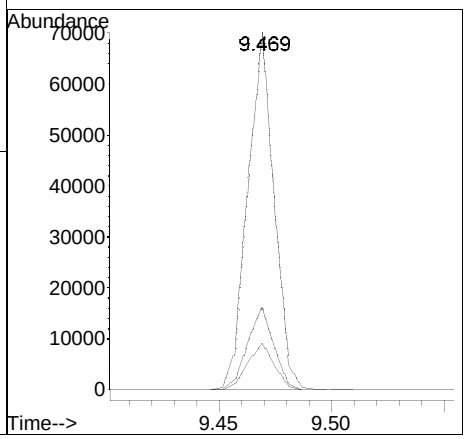


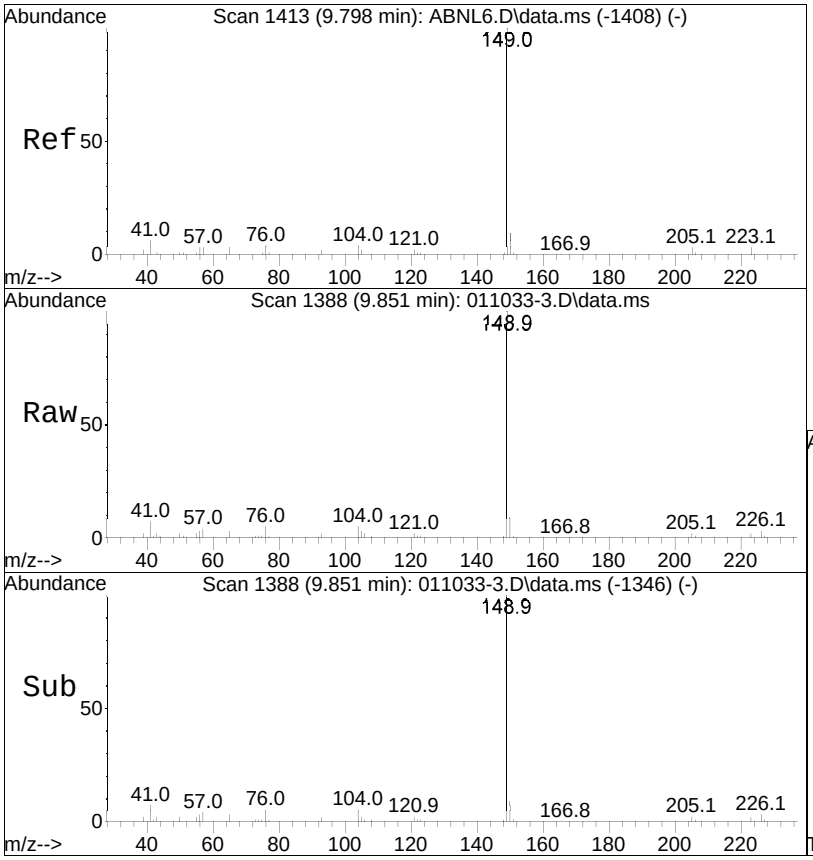


#91
Carbazole
Concen: 1.54 ug/ml
RT: 9.469 min Scan# 1323
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:167 Resp: 56539

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.8	16.2
166	23.2	17.7	26.5

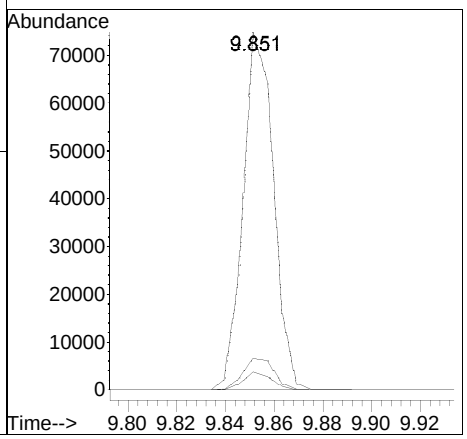


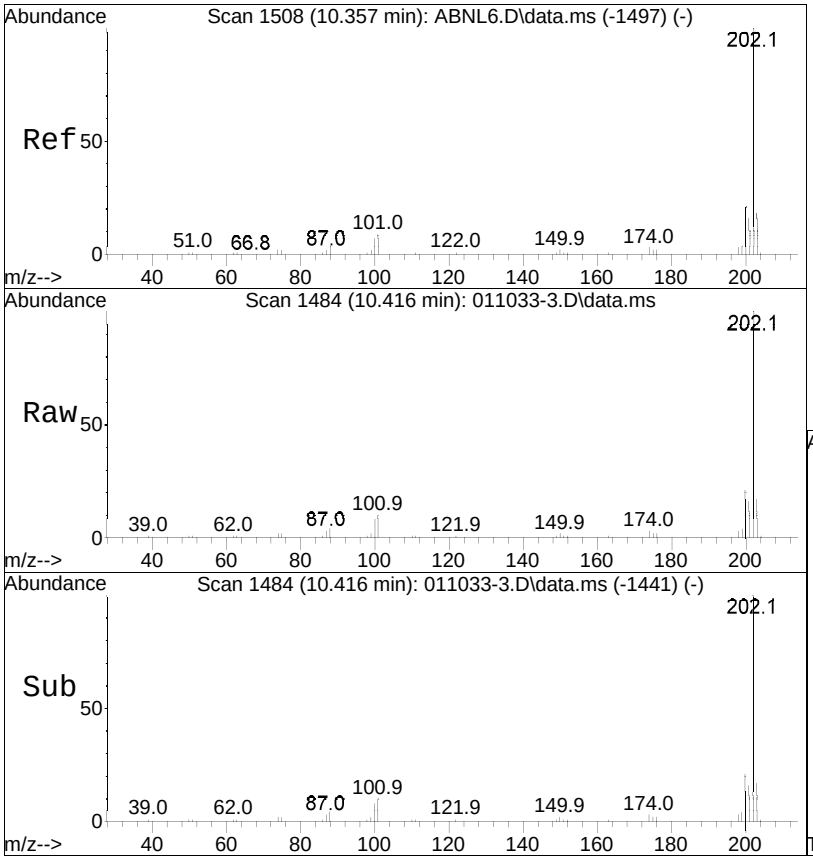


#92
Di-n-butylphthalate
Concen: 1.62 ug/ml
RT: 9.851 min Scan# 1388
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:149 Resp: 64187

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.6	4.0	6.0

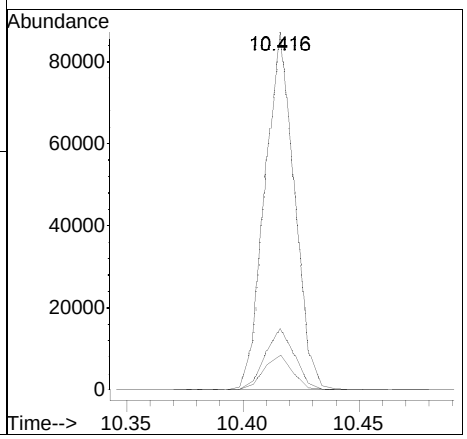


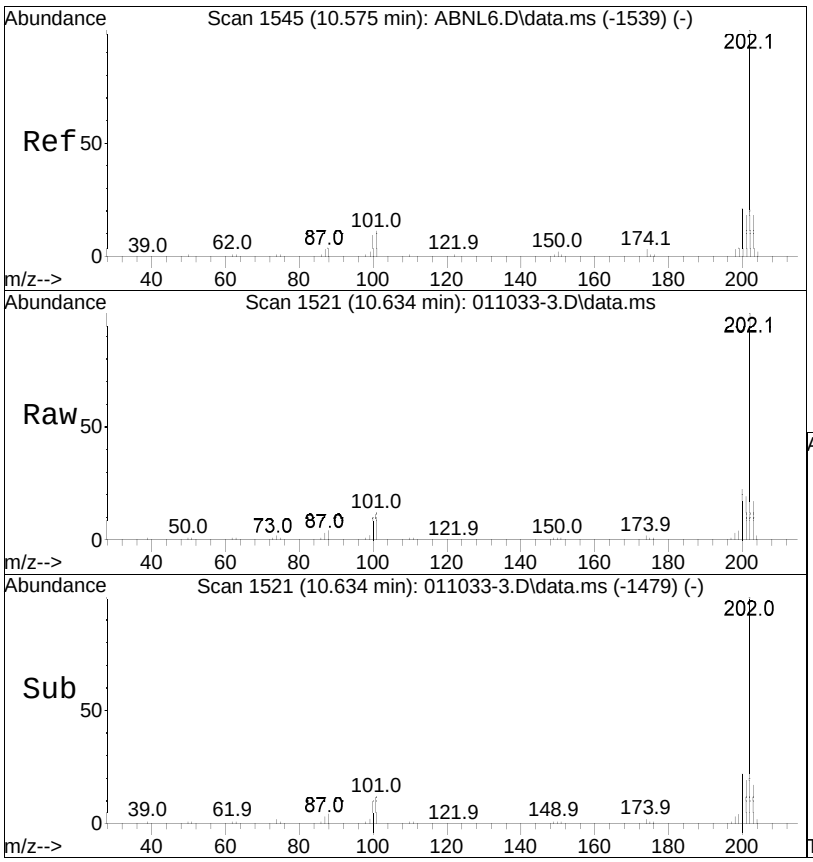


#93
Fluoranthene
Concen: 1.57 ug/ml M3
RT: 10.416 min Scan# 1484
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:202 Resp: 76318

Ion	Ratio	Lower	Upper
202	100		
101	11.6	11.2	16.8
203	16.6	13.7	20.5

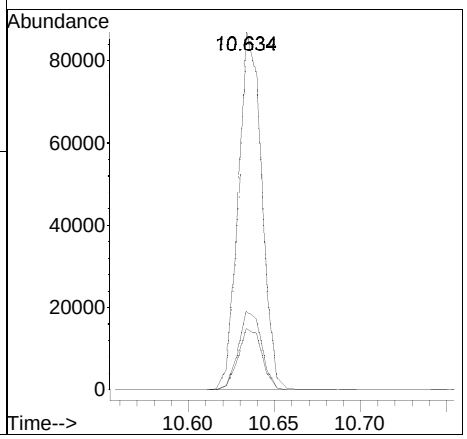


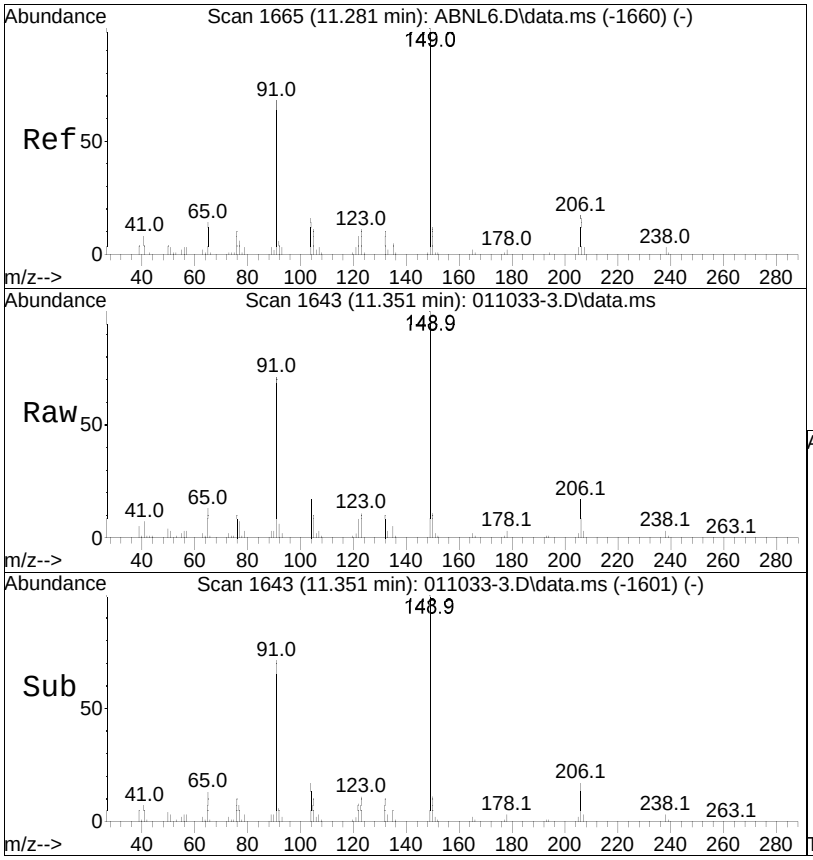


#95
Pyrene
Concen: 1.60 ug/ml
RT: 10.634 min Scan# 1521
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:202 Resp: 81578

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.9	25.3
203	17.5	14.3	21.5

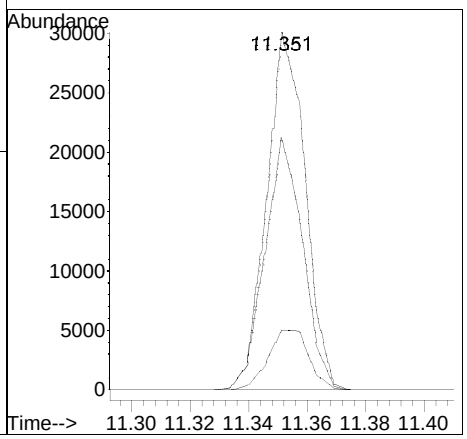


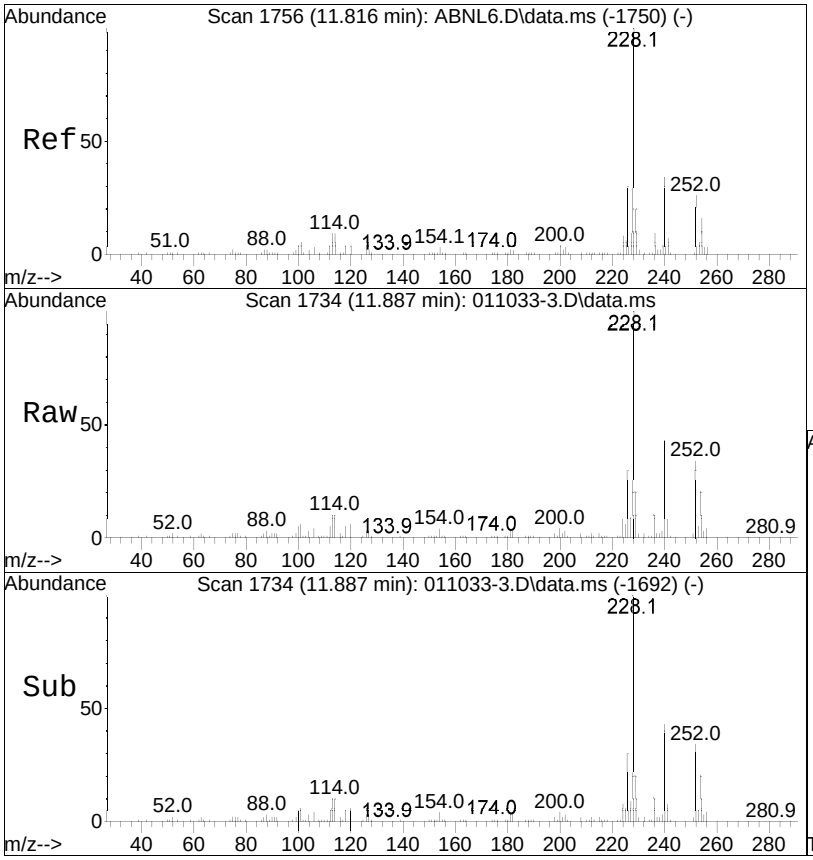


#97
Butyl benzyl phthalate
Concen: 1.54 ug/ml
RT: 11.351 min Scan# 1643
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:149 Resp: 27234

Ion	Ratio	Lower	Upper
149	100		
91	69.5	57.9	86.9
206	17.9	11.9	17.9#

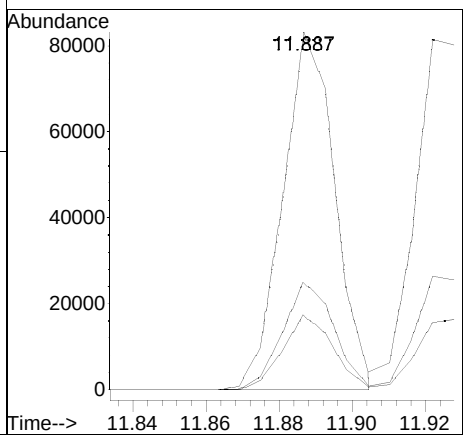


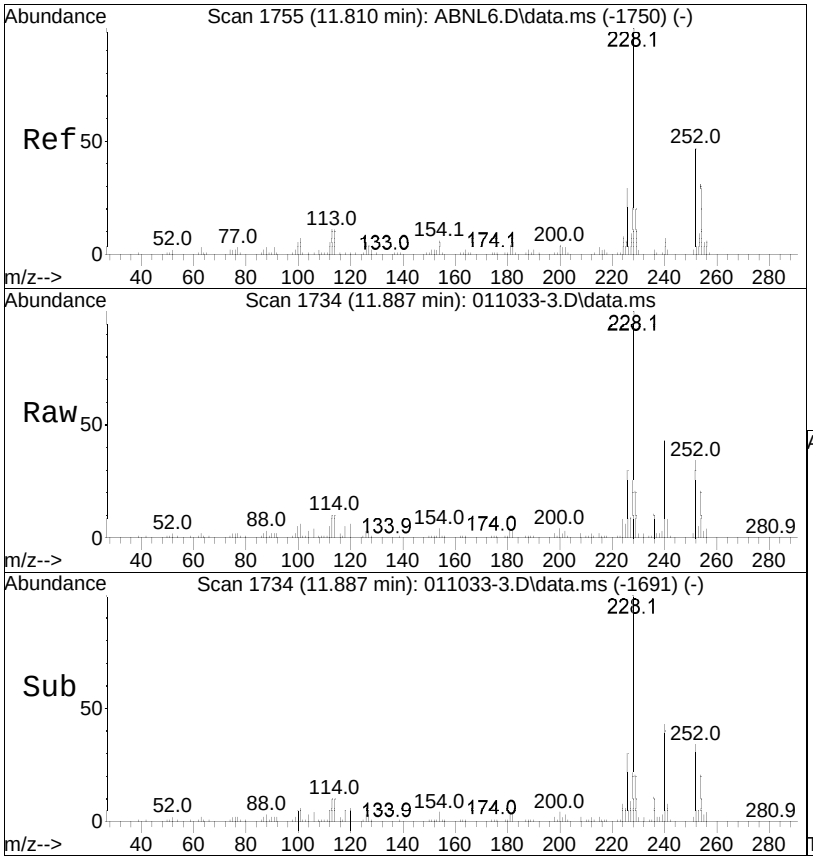


#105
Benzo(a)anthracene
Concen: 1.53 ug/ml
RT: 11.887 min Scan# 1734
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:228 Resp: 82126

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	34.0
229	20.4	15.8	23.6

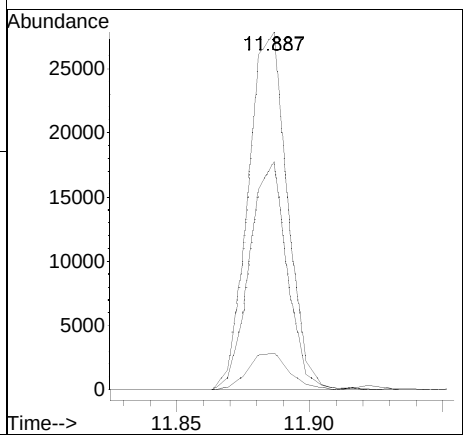


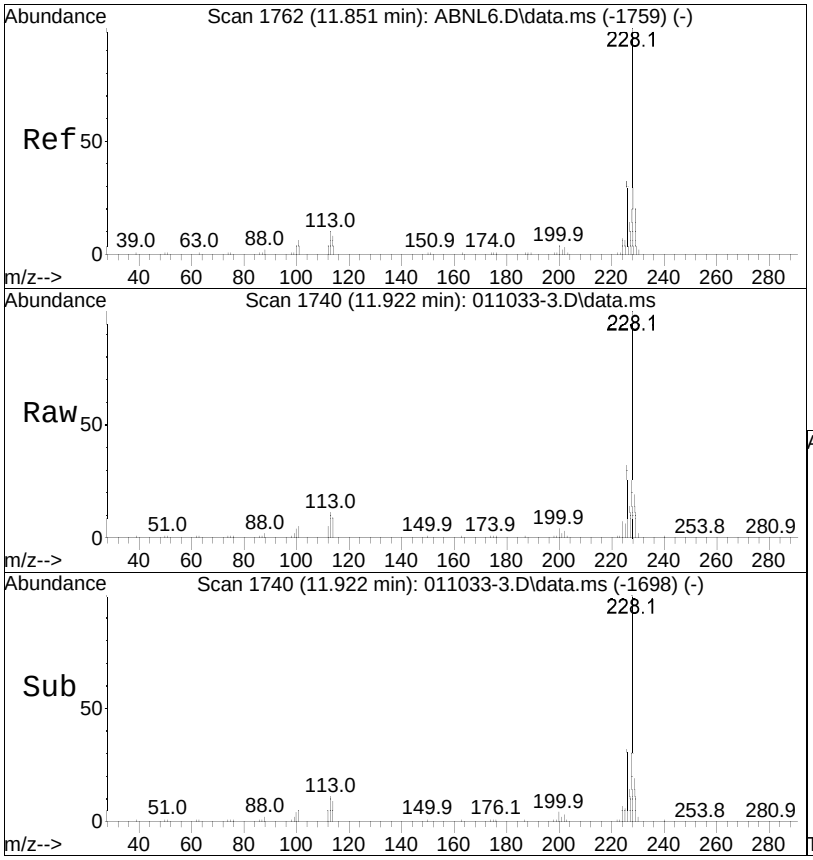


#106
3,3'-Dichlorobenzidine
Concen: 1.50 ug/ml
RT: 11.887 min Scan# 1734
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:252 Resp: 28321

Ion	Ratio	Lower	Upper
252	100		
126	11.2	12.6	19.0#
254	61.7	51.1	76.7

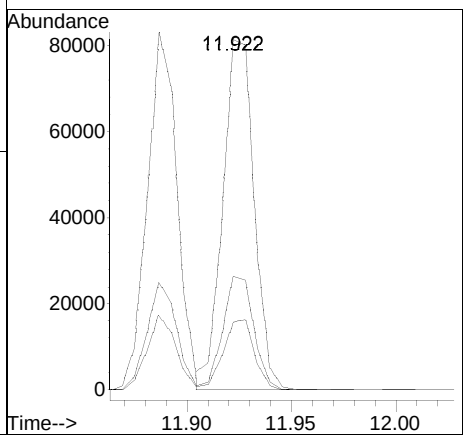


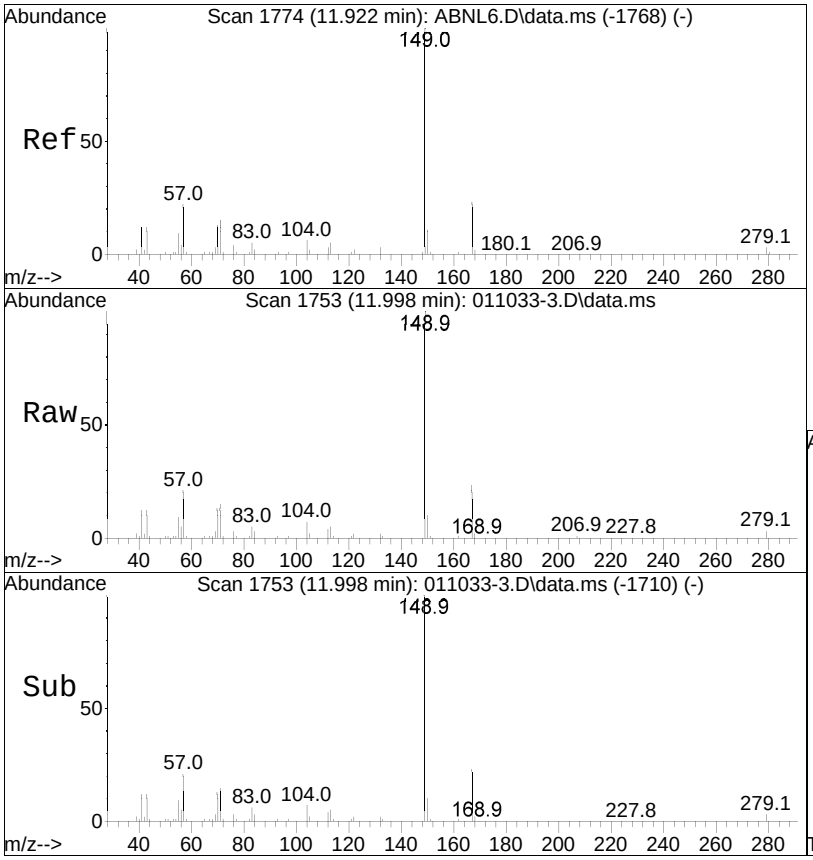


#107
Chrysene
Concen: 1.55 ug/ml
RT: 11.922 min Scan# 1740
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:228 Resp: 84807

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	19.8	15.5	23.3

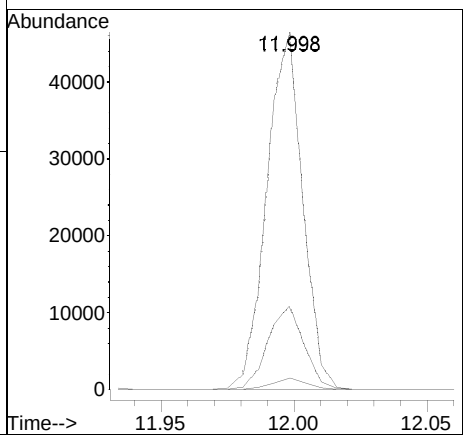


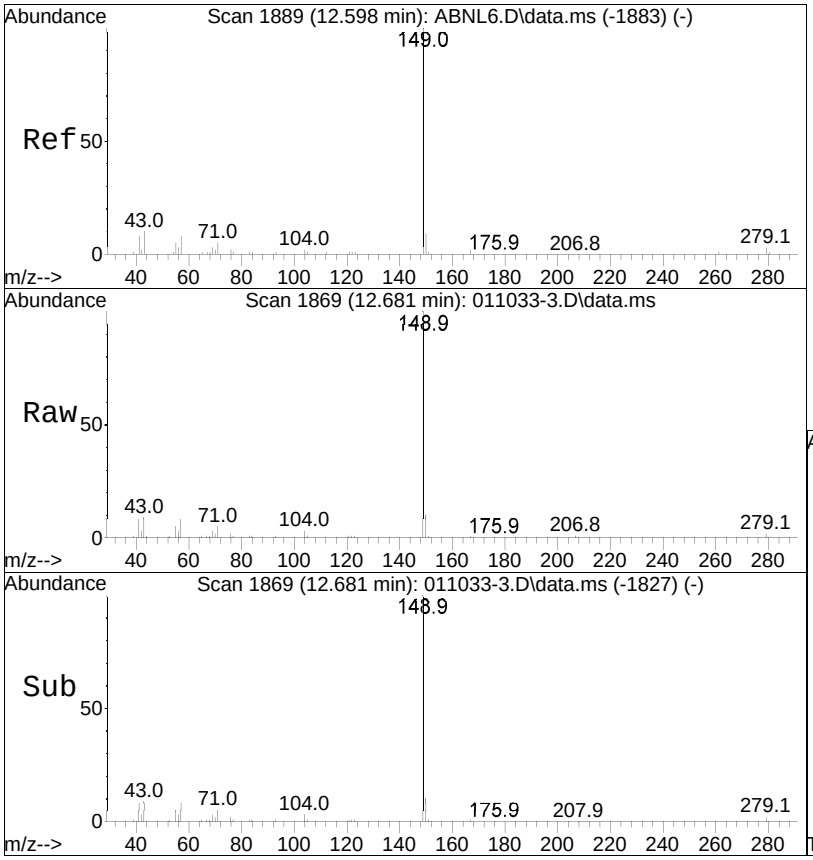


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.62 ug/ml
RT: 11.998 min Scan# 1753
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:149 Resp: 43050

Ion	Ratio	Lower	Upper
149	100		
167	23.7	18.4	27.6
279	2.8	1.7	2.5#

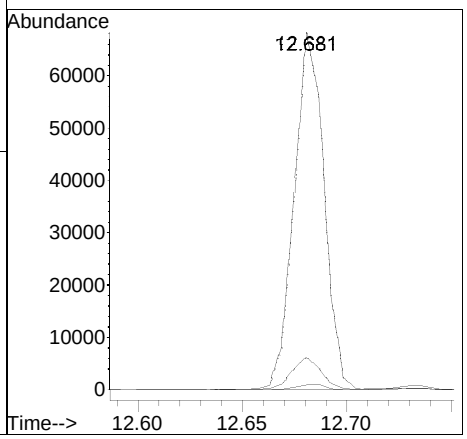


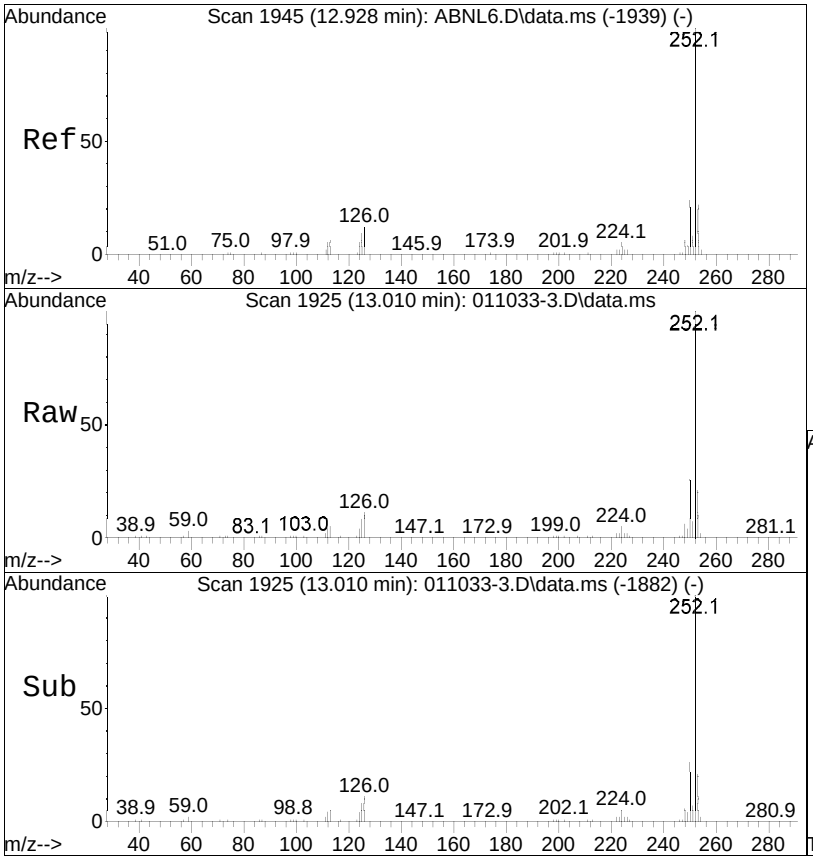


#109
Di-n-octylphthalate
Concen: 1.64 ug/ml
RT: 12.681 min Scan# 1869
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:149 Resp: 67140

Ion	Ratio	Lower	Upper
149	100		
43	8.7	8.2	12.2
167	1.4	1.1	1.7

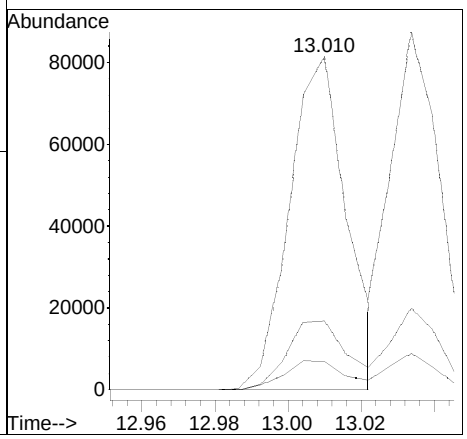


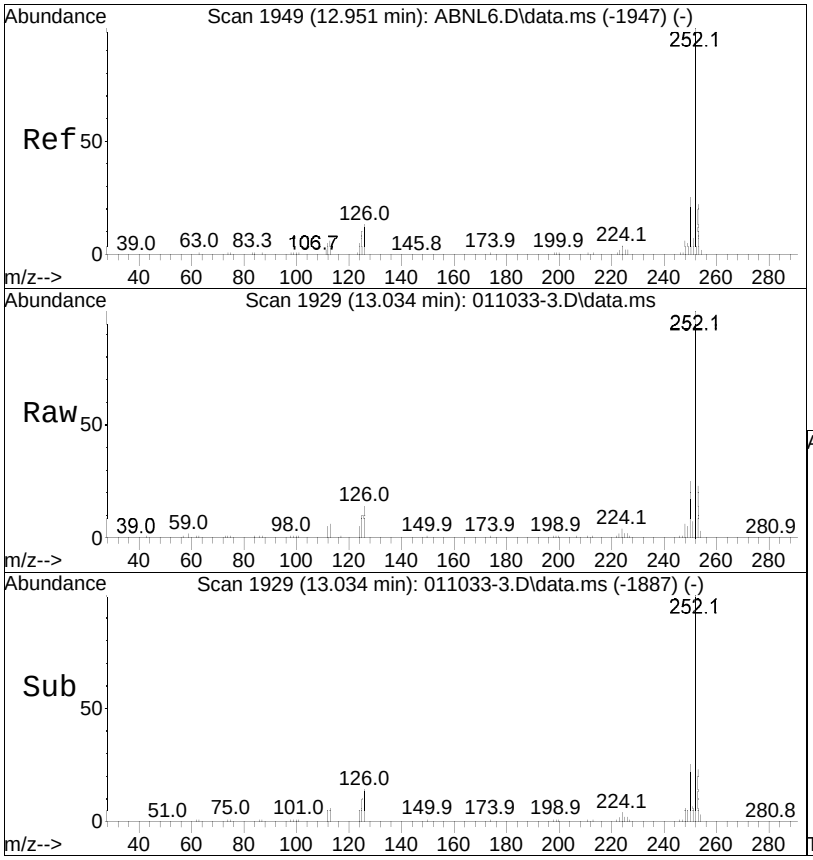


#110
Benzo(b)fluoranthene
Concen: 1.60 ug/ml
RT: 13.010 min Scan# 1925
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:252 Resp: 89202

Ion	Ratio	Lower	Upper
252	100		
125	9.6	11.3	16.9#
253	22.1	17.8	26.8

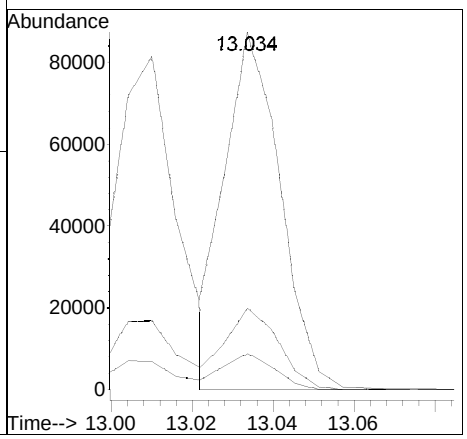


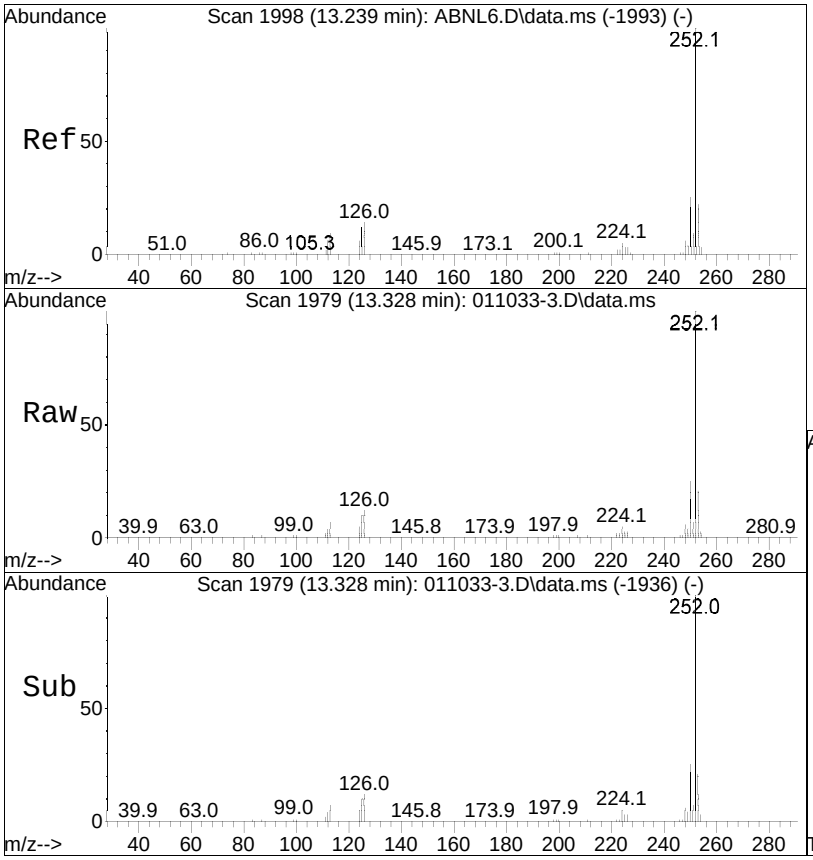


#111
Benzo(k)fluoranthene
Concen: 1.62 ug/ml M3
RT: 13.034 min Scan# 1929
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:252 Resp: 82930

Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	23.8	17.6	26.4

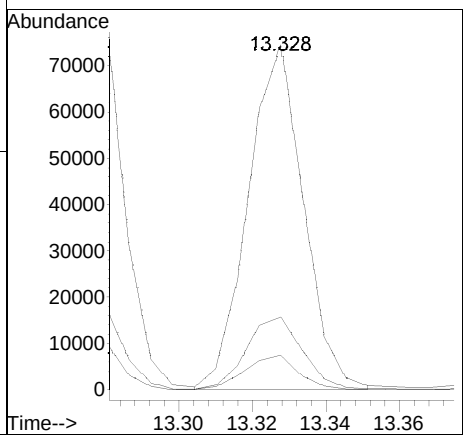


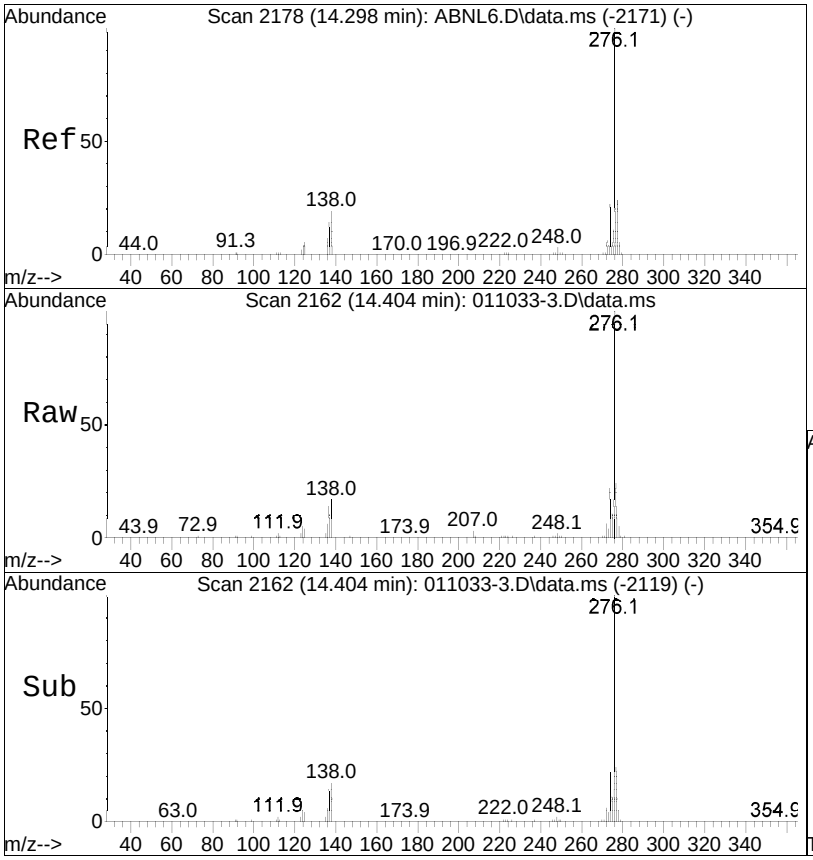


#112
Benzo(a)pyrene
Concen: 1.62 ug/ml M3
RT: 13.328 min Scan# 1979
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:252 Resp: 77812

Ion	Ratio	Lower	Upper
252	100		
125	15.1	12.6	18.8
253	24.3	17.5	26.3

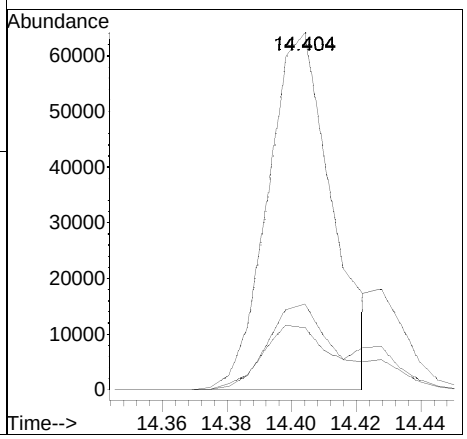


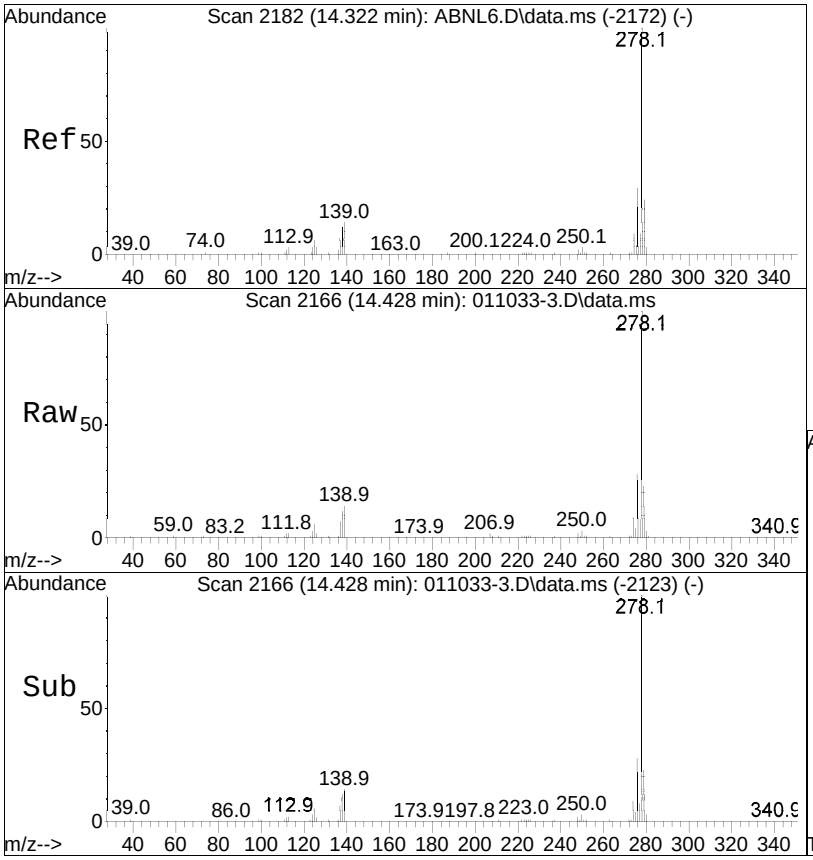


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.60 ug/mL M6
RT: 14.404 min Scan# 2162
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:276 Resp: 89044

Ion	Ratio	Lower	Upper
276	100		
138	18.6	22.1	33.1#
277	28.9	19.0	28.6#

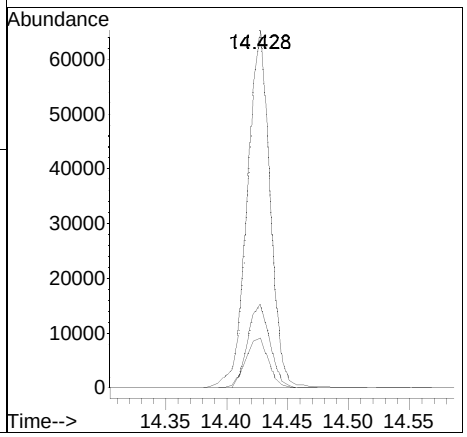


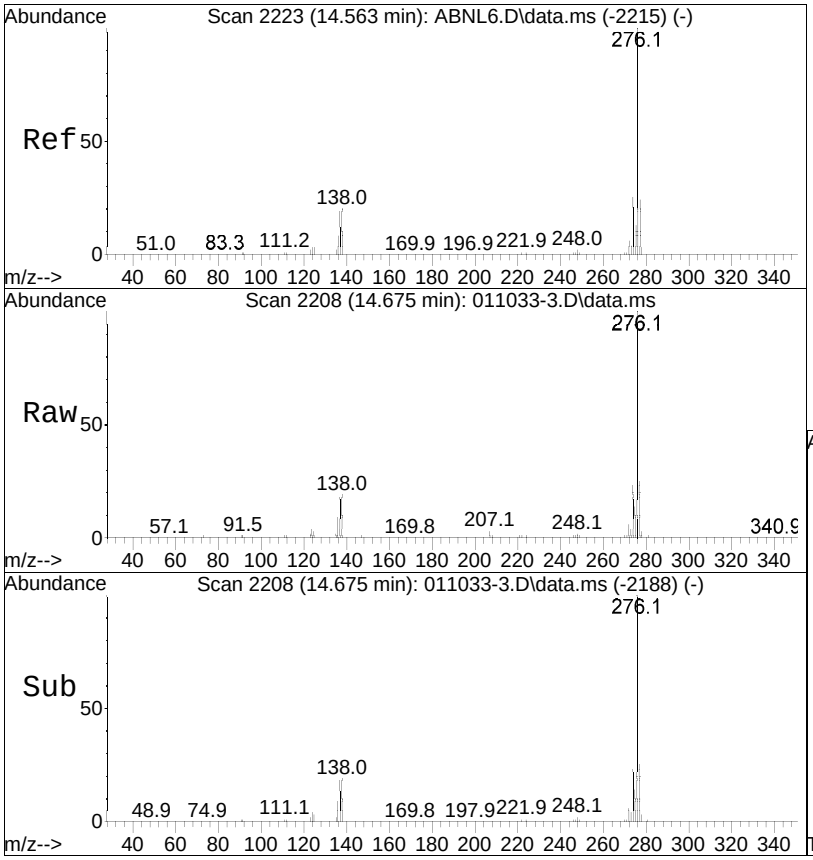


#115
Dibenzo(a,h)anthracene
Concen: 1.61 ug/ml
RT: 14.428 min Scan# 2166
Delta R.T. 0.000 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:278 Resp: 84385

Ion	Ratio	Lower	Upper
278	100		
139	13.9	17.8	26.8#
279	23.2	19.2	28.8

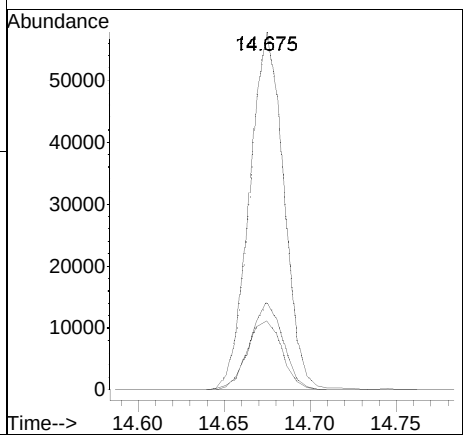




#116
Benzo(ghi)perylene
Concen: 1.53 ug/ml
RT: 14.675 min Scan# 2208
Delta R.T. -0.006 min
Lab File: 011033-3.D
Acq: 19 Dec 2024 03:49 pm

Tgt Ion:276 Resp: 79846

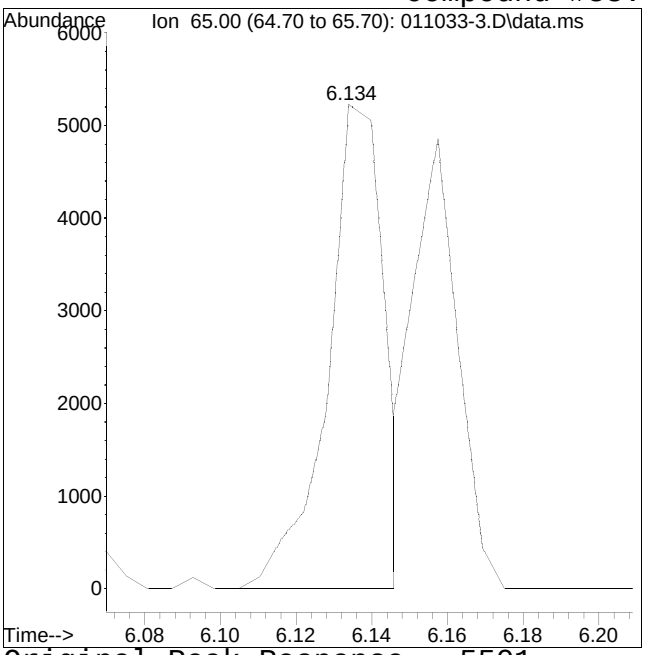
Ion	Ratio	Lower	Upper
276	100		
138	20.0	21.9	32.9#
277	23.6	18.4	27.6

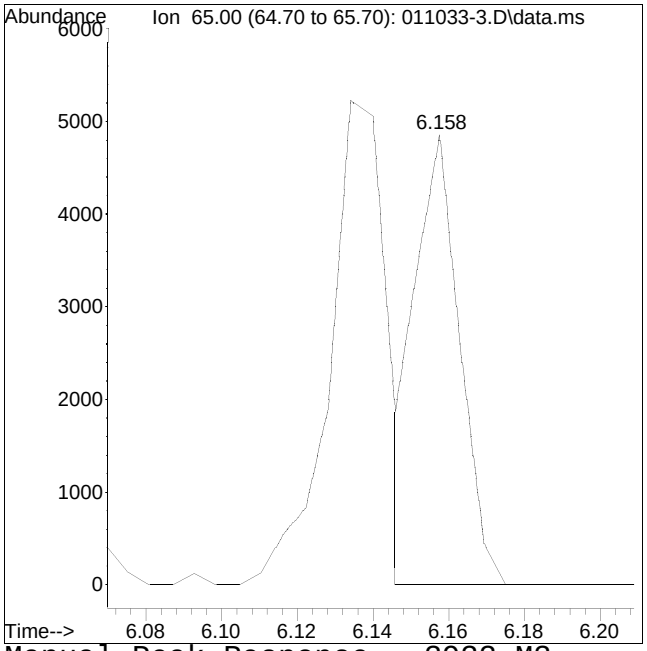


Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-3.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:49 pm Instrument : SV112
Sample : WG2011033-3,32,,gmr Quant Date : 12/19/2024 4:07 pm

Compound #38: 4-Chloroaniline





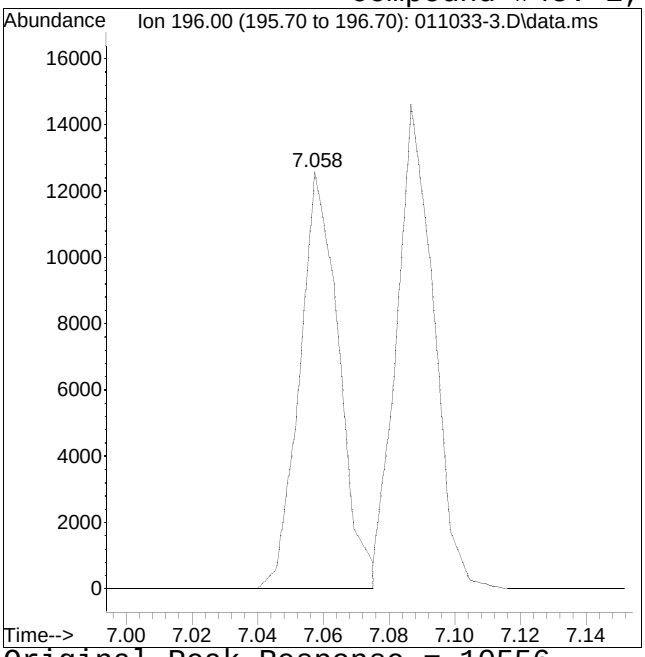
Original Peak Response = 5501 Manual Peak Response = 3933 M3

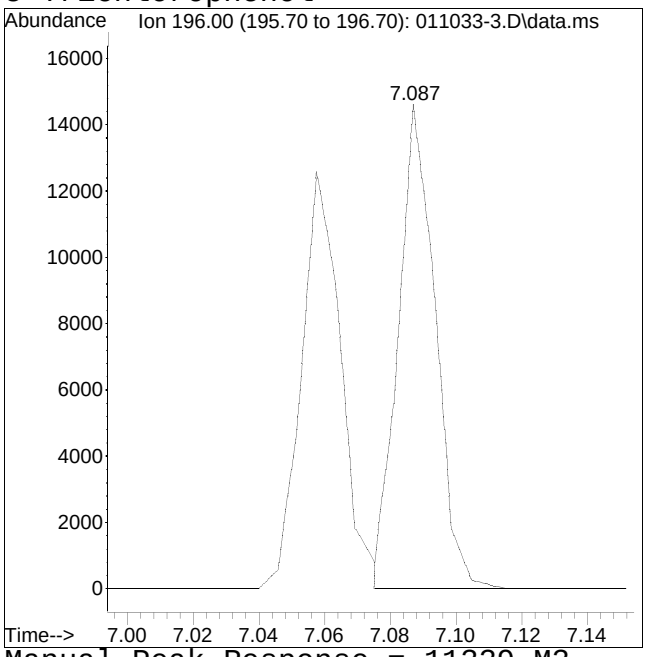
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path	: I:\8270\SV112\241219RVT\	QMethod	: FS241215SV112RVT.m
Data File	: 011033-3.D	Operator	: SV112:smz
Date Inj'd	: 12/19/2024 3:49 pm	Instrument	: SV112
Sample	: WG2011033-3,32,,gmr	Quant Date	: 12/19/2024 4:07 pm

Compound #45: 2,4,5-Trichlorophenol





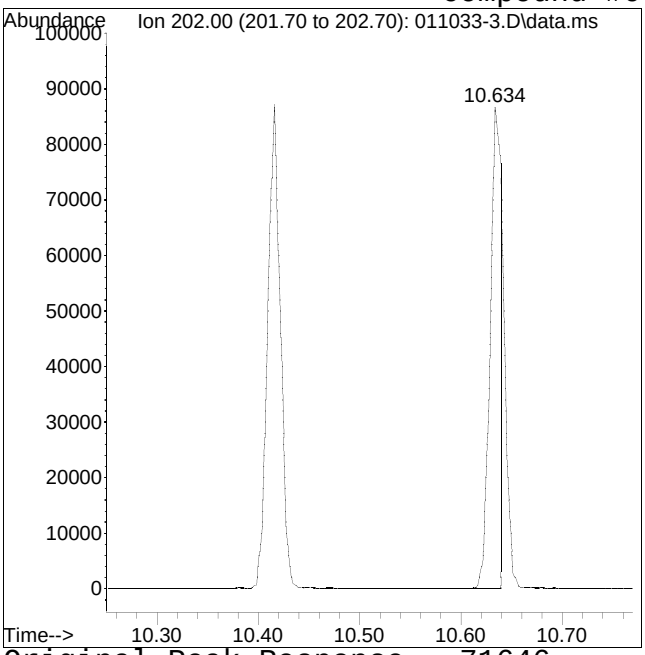
Original Peak Response = 10556 Manual Peak Response = 11339 M3

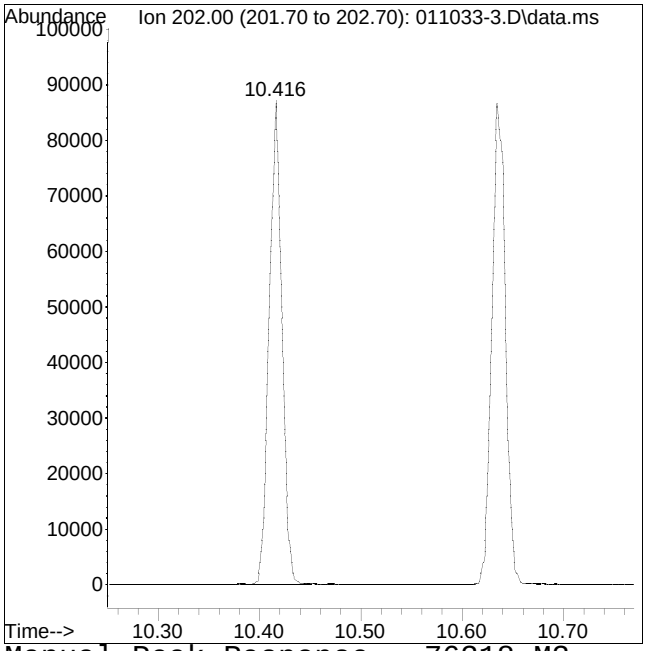
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-3.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:49 pm Instrument : SV112
Sample : WG2011033-3,32,,gmr Quant Date : 12/19/2024 4:07 pm

Compound #93: Fluoranthene



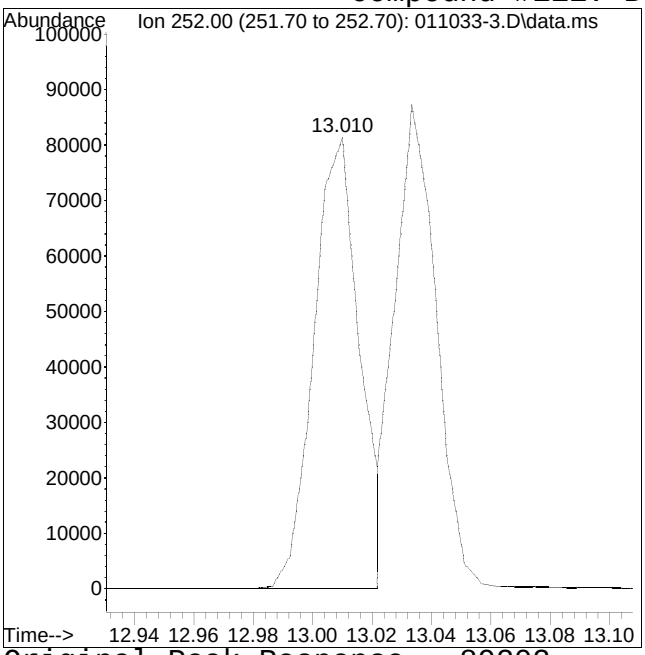


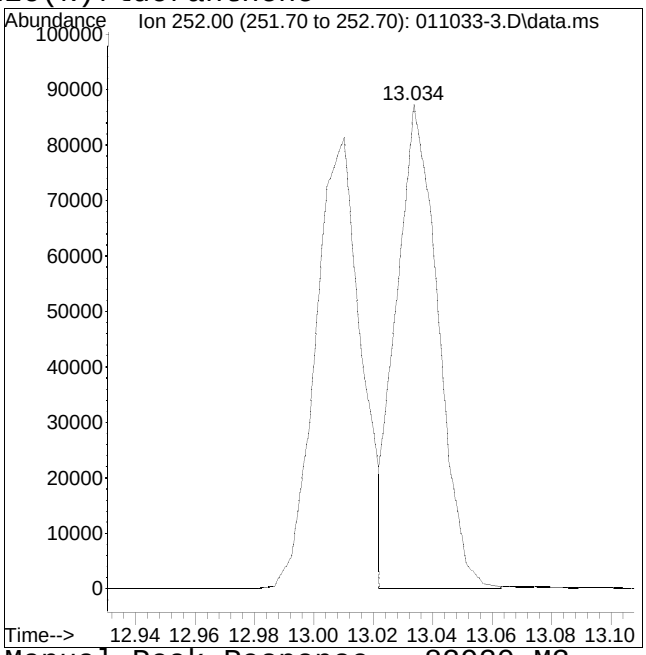
Original Peak Response = 71646 Manual Peak Response = 76318 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-3.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:49 pm Instrument : SV112
Sample : WG2011033-3,32,,gmr Quant Date : 12/19/2024 4:07 pm

Compound #111: Benzo(k)fluoranthene





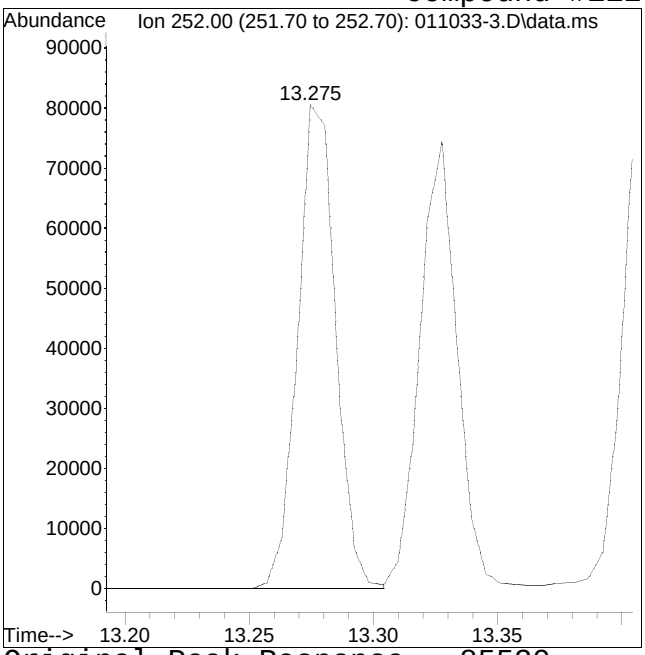
Original Peak Response = 89202 Manual Peak Response = 82930 M3

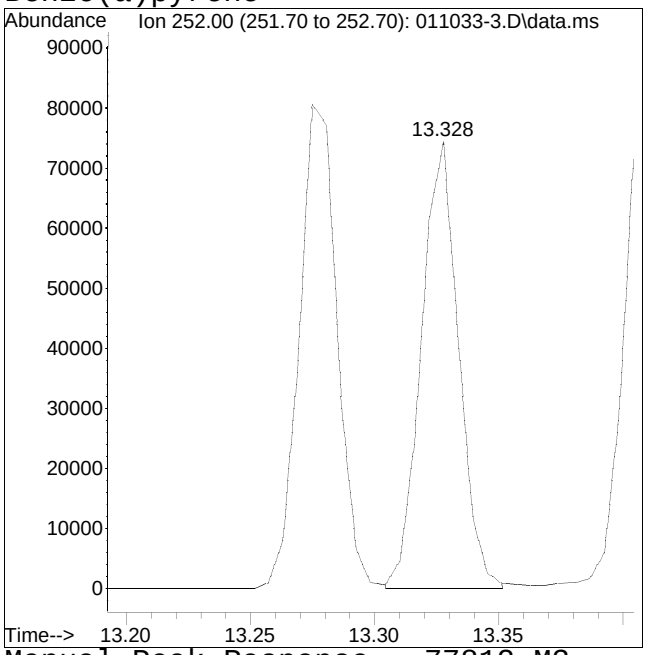
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-3.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:49 pm Instrument : SV112
Sample : WG2011033-3,32,,gmr Quant Date : 12/19/2024 4:07 pm

Compound #112: Benzo(a)pyrene



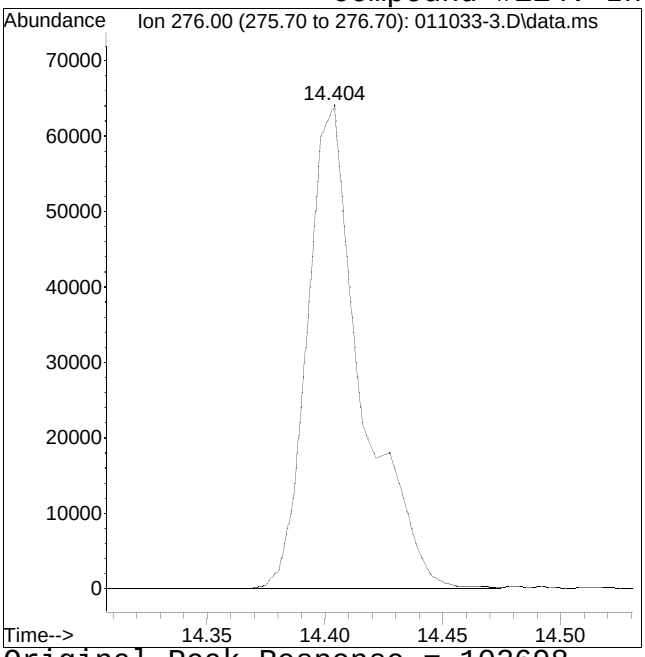


Original Peak Response = 85530 Manual Peak Response = 77812 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

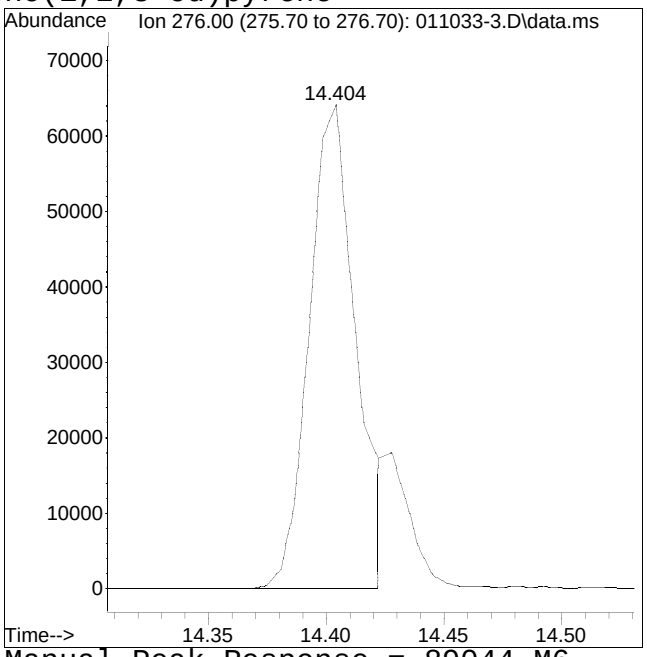
Manual Integration Report

Data Path : I:\8270\SV112\241219RVT\ QMethod : FS241215SV112RVT.m
Data File : 011033-3.D Operator : SV112:smz
Date Inj'd : 12/19/2024 3:49 pm Instrument : SV112
Sample : WG2011033-3,32,,gmr Quant Date : 12/19/2024 4:07 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 102698



Manual Peak Response = 89044 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-4.D
Acq On : 18 Dec 2024 2:37 am
Operator : Dakota:smz
Sample : WG2010029-4,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 18 02:53:50 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.633	152	25898	4.000	ug/ml		0.00
Standard Area 1 = 26655			Recovery = 97.16%				
27) IS2_1,4-Dichlorobenzen...	3.633	152	25898	4.000	ug/ml		0.00
Standard Area 3 = 25773			Recovery = 100.49%				
37) IS1_Naphthalene-d8	4.895	136	97739	4.000	ug/ml	#	0.00
Standard Area 1 = 106241			Recovery = 92.00%				
57) IS2_Naphthalene-d8	4.895	136	97739	4.000	ug/ml	#	0.00
Standard Area 3 = 99018			Recovery = 98.71%				
65) IS1_Acenaphthene-d10	6.574	164	65490	4.000	ug/ml		0.00
Standard Area 1 = 71683			Recovery = 91.36%				
85) IS2_Acenaphthene-d10	6.574	164	65490	4.000	ug/ml		0.00
Standard Area 3 = 64706			Recovery = 101.21%				
88) IS3_Acenaphthene-d10	6.574	164	65490	4.000	ug/ml		0.00
Standard Area 2 = 65397			Recovery = 100.14%				
90) IS1_Phenanthrene-d10	7.966	188	140486	4.000	ug/ml		0.00
Standard Area 1 = 155913			Recovery = 90.11%				
102) IS3_Phenanthrene-d10	7.966	188	140486	4.000	ug/ml		0.00
Standard Area 2 = 147521			Recovery = 95.23%				
106) IS1_Chrysene-d12	10.471	240	156621	4.000	ug/ml		0.00
Standard Area 1 = 174995			Recovery = 89.50%				
115) IS1_Perylene-d12	11.817	264	190557	4.000	ug/ml		0.00
Standard Area 1 = 205184			Recovery = 92.87%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.225	112	7833	1.176	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 58.80%				
7) Phenol-d6	3.366	99	6628	0.777	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.85%				
19) Nitrobenzene-d5	4.212	82	6336	0.819	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.90%				
48) 2-Fluorobiphenyl	5.980	172	16194	0.669	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.90%				
81) 2,4,6-Tribromophenol	7.326	330	7905	1.689	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 84.45%				
98) 4-Terphenyl-d14	9.536	244	29838	0.734	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.40%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-4.D
Acq On : 18 Dec 2024 2:37 am
Operator : Dakota:smz
Sample : WG2010029-4,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 18 02:53:50 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	3.422	128	11668	1.471	ug/ml	91
8) Phenol	3.379	94	7777	0.845	ug/ml	96
9) Bis(2-chloroethyl)ether	3.425	93	10192	1.547	ug/ml#	72
10) 1,3-Dichlorobenzene	3.571	146	11558	1.132	ug/ml	95
11) 1,4-Dichlorobenzene	3.652	146	11693	1.122	ug/ml	95
12) 1,2-Dichlorobenzene	3.801	146	11536	1.161	ug/ml	92
13) Benzyl alcohol	3.832	79	7463	1.239	ug/ml	99
14) Bis(2-chloroisopropyl)...	3.985	45	19116	1.646	ug/ml#	71
15) 2-Methylphenol	3.994	108	9610	1.375	ug/ml	98
17) n-Nitrosodi-n-propylamine	4.115	70	9142	1.637	ug/ml#	89
18) 3-Methylphenol/4-Methy...	4.165	108	10133	1.324	ug/ml#	69
20) Nitrobenzene	4.230	77	12620	1.595	ug/ml	97
21) Isophorone	4.485	82	22247	1.529	ug/ml#	91
22) 2-Nitrophenol	4.550	139	5951	1.485	ug/ml	90
23) 2,4-Dimethylphenol	4.672	107	6052	0.849	ug/ml	95
24) Bis(2-chloroethoxy)met...	4.749	93	15145	1.671	ug/ml#	94
25) 2,4-Dichlorophenol	4.799	162	12854	1.545	ug/ml#	92
26) 1,2,4-Trichlorobenzene	4.861	180	11481	1.140	ug/ml#	95
29) Acetophenone	4.075	105	17021	1.873	ug/ml#	81
39) Benzoic Acid	4.746	105	2646	0.475	ug/ml	85
40) 4-Chloroaniline	5.017	65	2000	0.677	ug/ml	95
42) p-Chloro-m-cresol	5.545	107	10476	1.479	ug/ml#	86
45) Hexachlorocyclopentadiene	5.775	237	4435	0.667	ug/ml#	89
46) 2,4,6-Trichlorophenol	5.899	196	10559	1.508	ug/ml	99
47) 2,4,5-Trichlorophenol	5.927	196	12432	1.588	ug/ml	97
50) 2-Nitroaniline	6.182	138	8208	1.540	ug/ml#	81
53) Dimethyl phthalate	6.403	163	37504	1.549	ug/ml#	97
55) 2,6-Dinitrotoluene	6.434	165	7042	1.558	ug/ml#	84
63) 1,2,4,5-Tetrachloroben...	5.766	216	14489	1.436	ug/ml#	95
64) Biphenyl	6.061	154	34276	1.667	ug/ml	95
66) 3-Nitroaniline	6.577	138	4562	0.902	ug/ml#	92
68) 2,4-Dinitrophenol	6.679	184	3633	1.180	ug/ml#	85
69) Dibenzofuran	6.773	168	46044	1.402	ug/ml	90
70) 2,4-Dinitrotoluene	6.810	165	9523	1.502	ug/ml	87
71) 4-Nitrophenol	6.804	65	4104	1.089	ug/ml#	92
74) Diethyl phthalate	7.087	149	39008	1.513	ug/ml	96

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-4.D
Acq On : 18 Dec 2024 2:37 am
Operator : Dakota:smz
Sample : WG2010029-4,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 18 02:53:50 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.139	204	18107	1.397	ug/ml#	87
77)	4-Nitroaniline	7.149	138	6723	1.375	ug/ml	86
78)	4,6-Dinitro-o-cresol	7.189	198	5433	1.418	ug/ml#	65
79)	NDPA/DPA	7.257	169	30667	1.401	ug/ml	91
82)	4-Bromophenyl phenyl e...	7.593	248	12472	1.461	ug/ml#	79
93)	Carbazole	8.221	167	59454	1.590	ug/ml	99
94)	Di-n-butylphthalate	8.656	149	69806	1.647	ug/ml	98
99)	Butyl benzyl phthalate	10.061	149	32805	1.807	ug/ml#	84
108)	3,3'-Dichlorobenzidine	10.496	252	30592	1.547	ug/ml#	97
110)	Bis(2-ethylhexyl)phtha...	10.673	149	53405	1.878	ug/ml#	86
111)	Di-n-octylphthalate	11.304	149	88046	1.856	ug/ml#	74

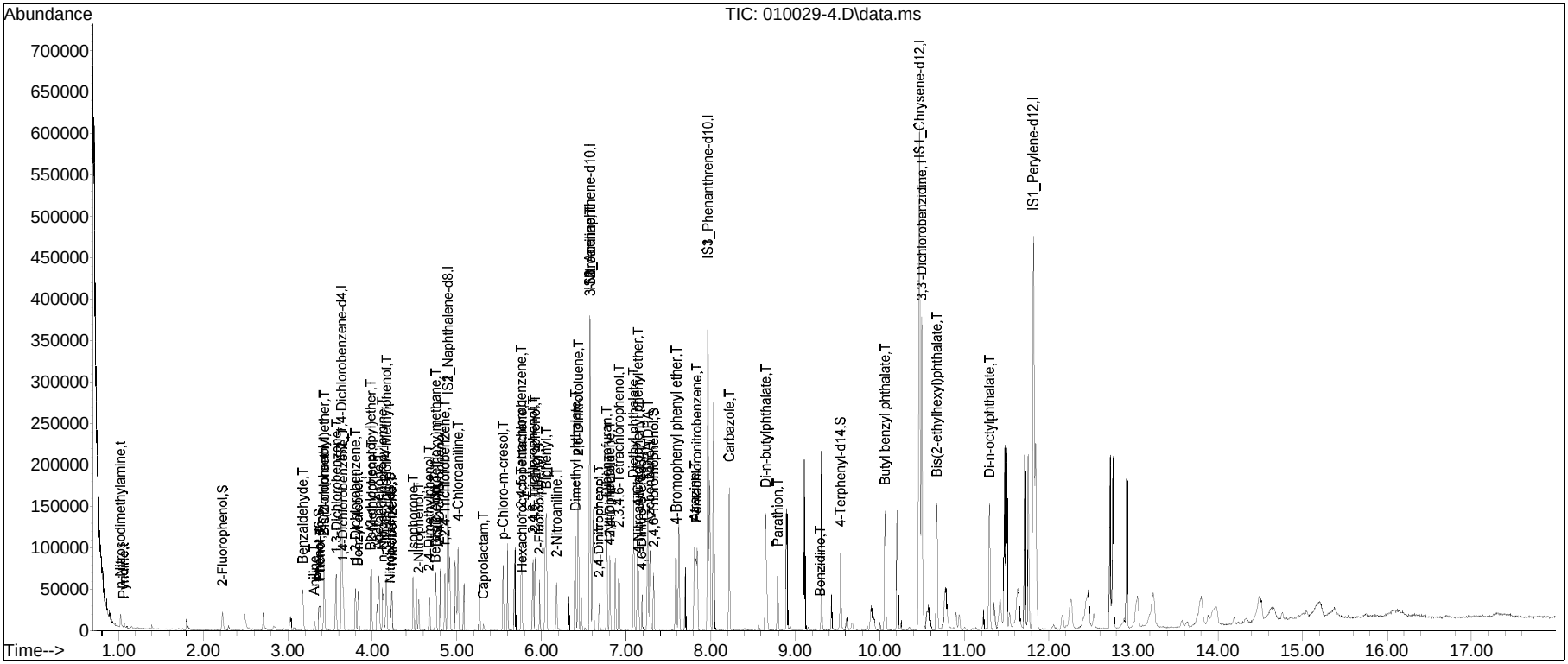
(#) = qualifier out of range (m) = manual integration (+) = signals summed

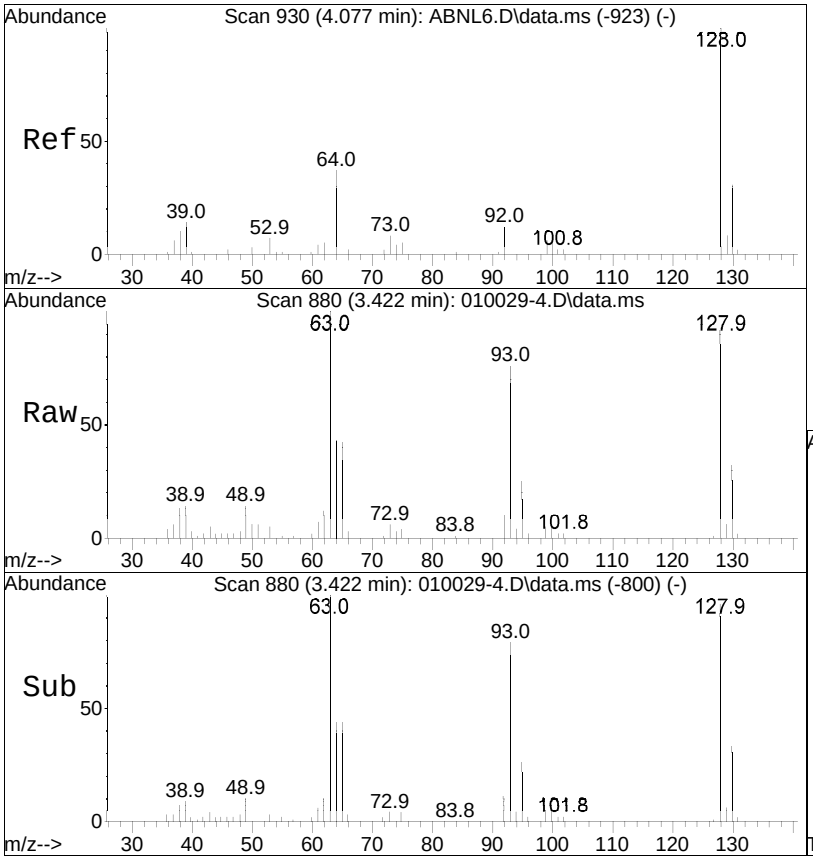
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-4.D
Acq On : 18 Dec 2024 2:37 am
Operator : Dakota:smz
Sample : WG2010029-4,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 18 02:53:50 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•

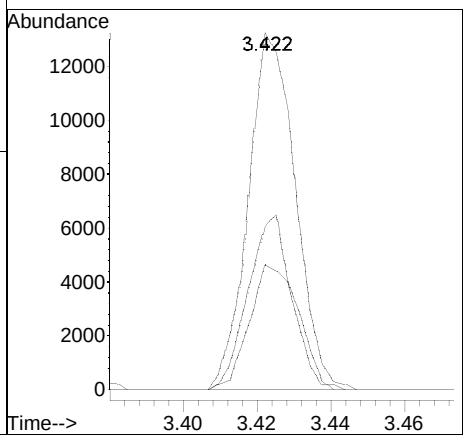


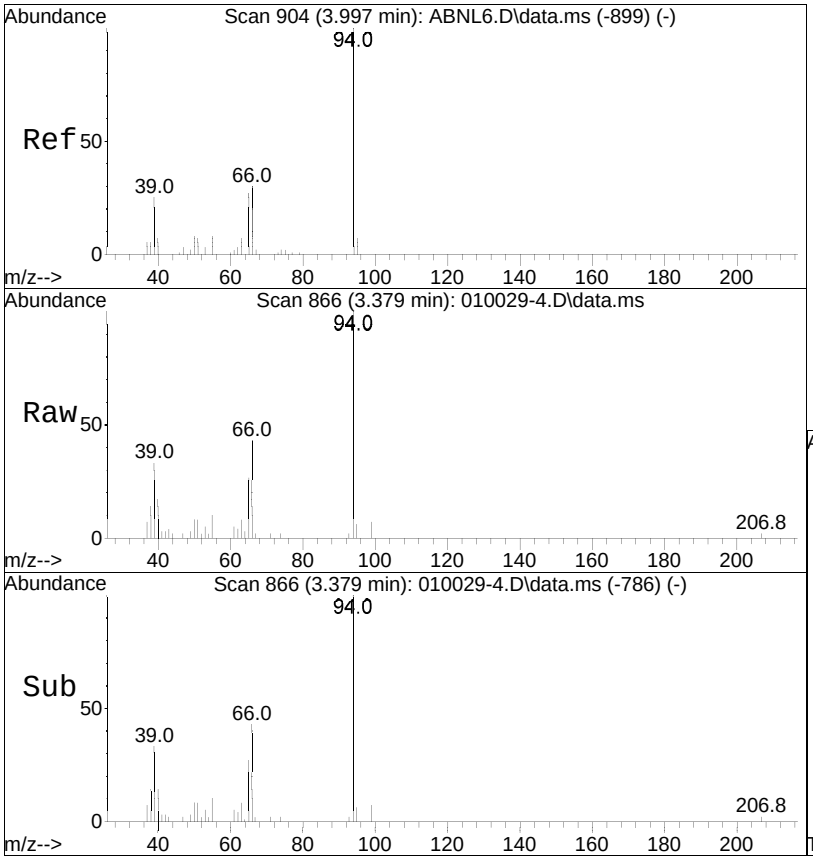


#6
2-Chlorophenol
Concen: 1.47 ug/ml
RT: 3.422 min Scan# 880
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:128 Resp: 11668

Ion	Ratio	Lower	Upper
128	100		
64	47.1	45.1	67.7
130	34.8	26.2	39.4

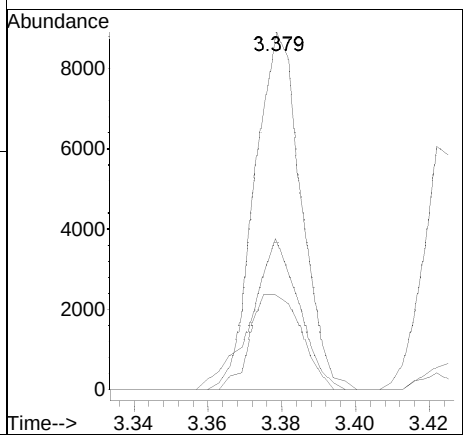


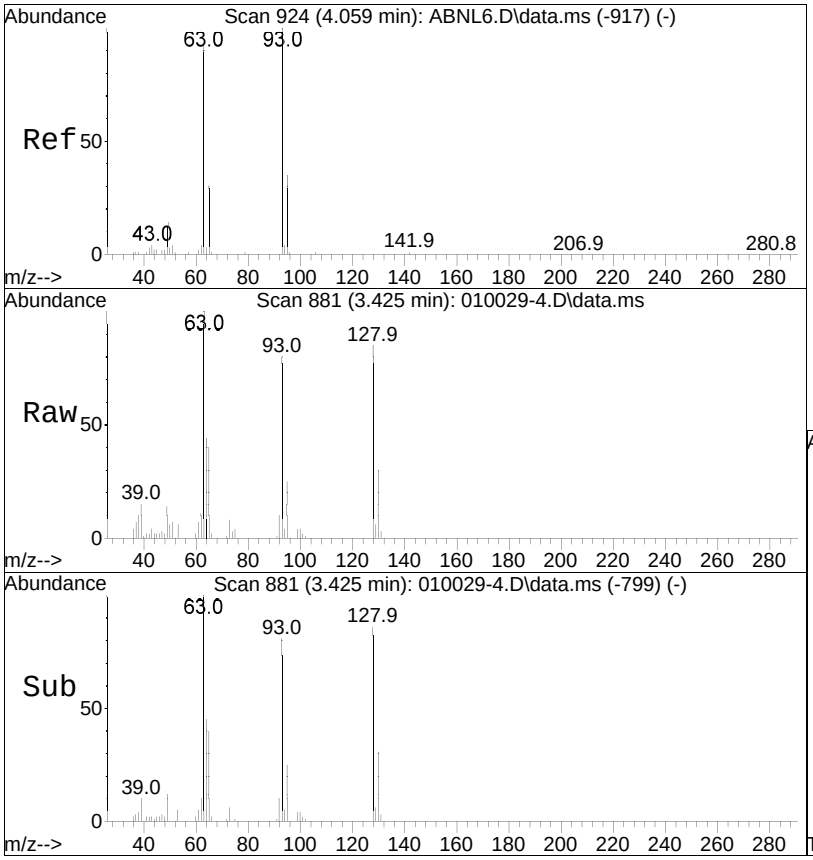


#8
Phenol
Concen: 0.85 ug/ml
RT: 3.379 min Scan# 866
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 94 Resp: 7777

Ion	Ratio	Lower	Upper
94	100		
65	29.3	26.0	39.0
66	43.4	33.8	50.8

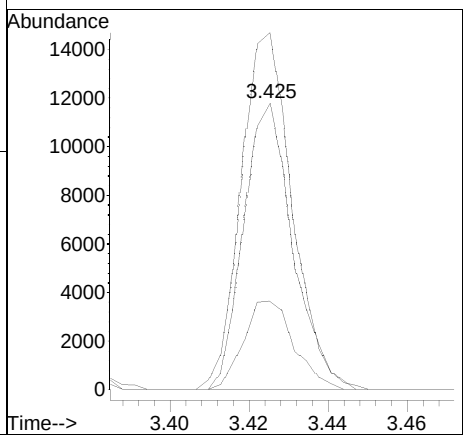


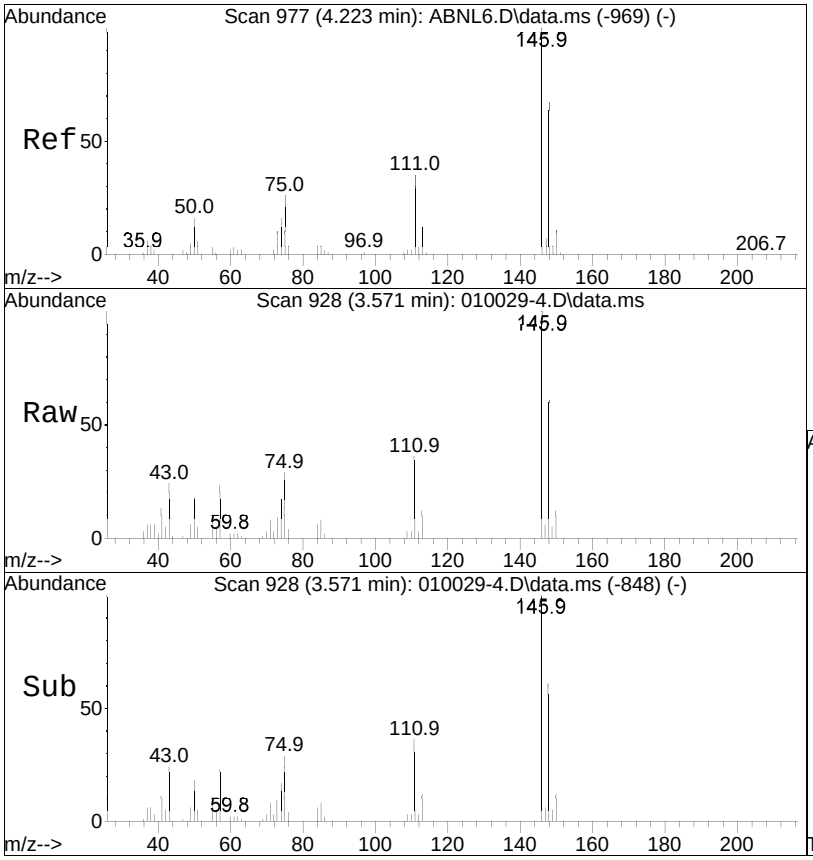


#9
Bis(2-chloroethyl)ether
Concen: 1.55 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 93 Resp: 10192

Ion	Ratio	Lower	Upper
93	100		
63	129.2	74.6	111.8#
95	31.8	25.9	38.9

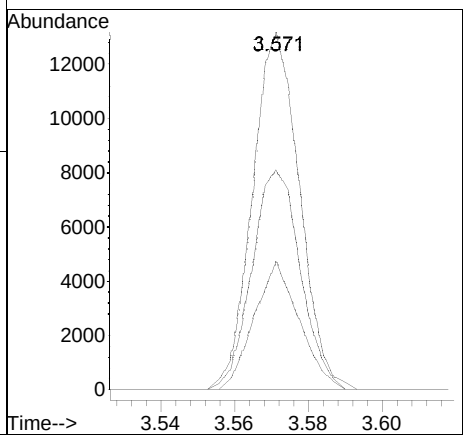


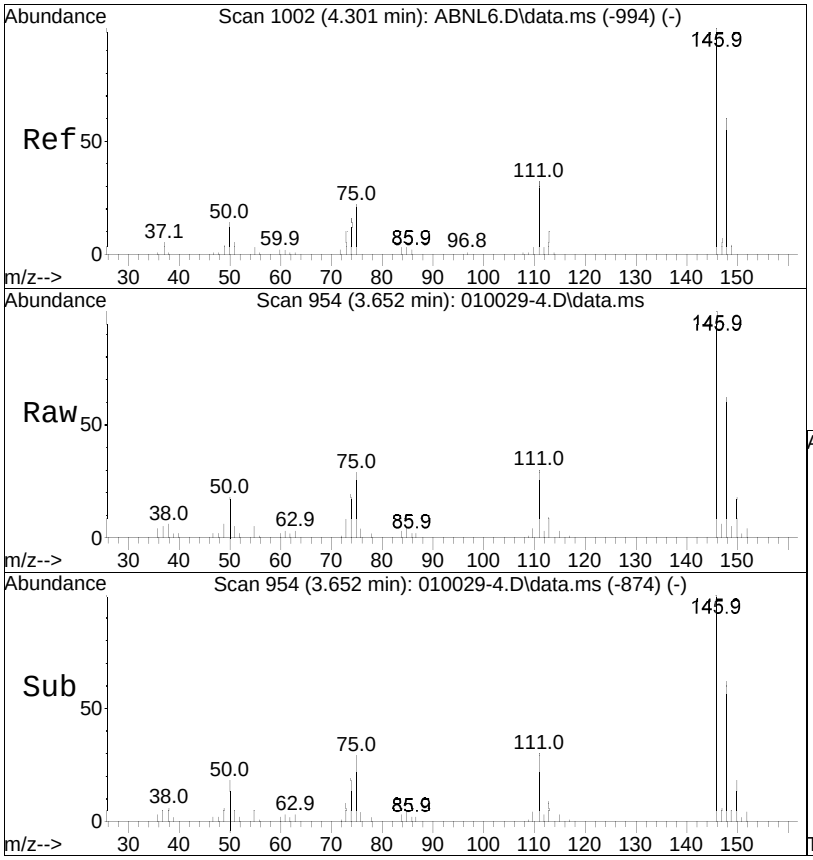


#10
1,3-Dichlorobenzene
Concen: 1.13 ug/ml
RT: 3.571 min Scan# 928
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:146 Resp: 11558

Ion	Ratio	Lower	Upper
146	100		
111	34.5	34.3	51.5
148	63.7	50.8	76.2

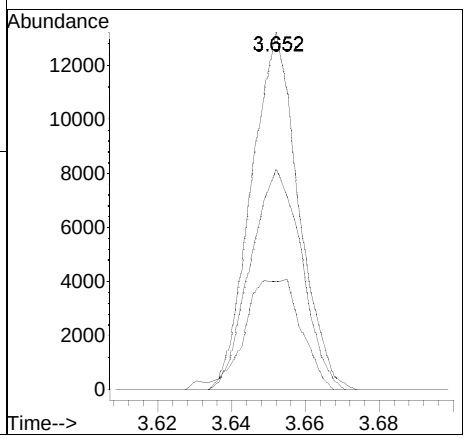


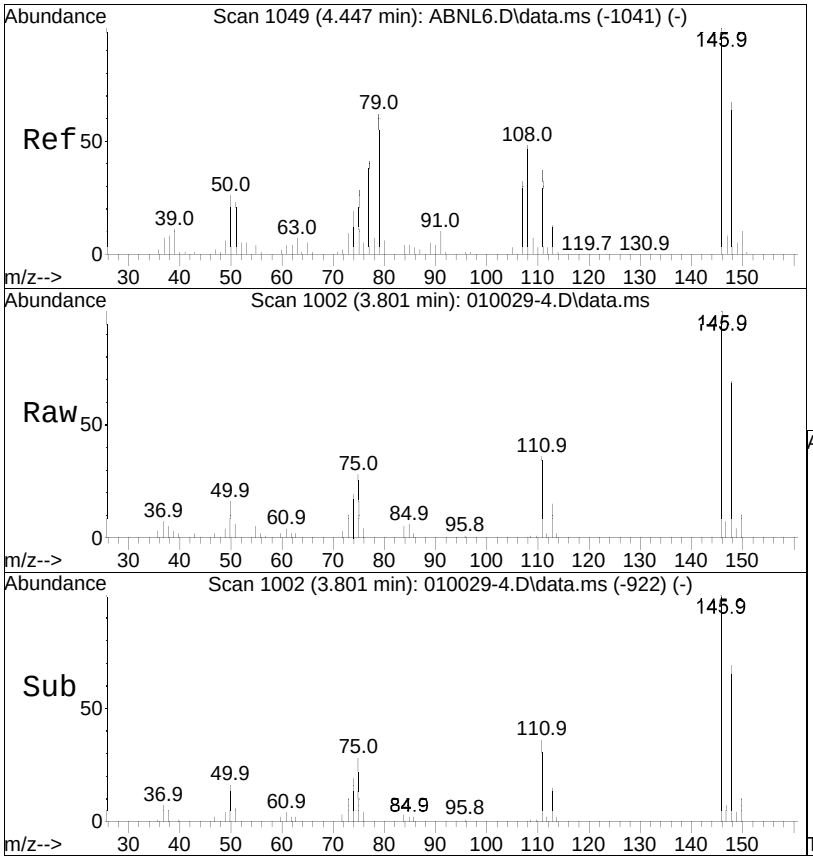


#11
1,4-Dichlorobenzene
Concen: 1.12 ug/ml
RT: 3.652 min Scan# 954
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:146 Resp: 11693

Ion	Ratio	Lower	Upper
146	100		
148	66.9	50.7	76.1
111	37.4	33.4	50.0

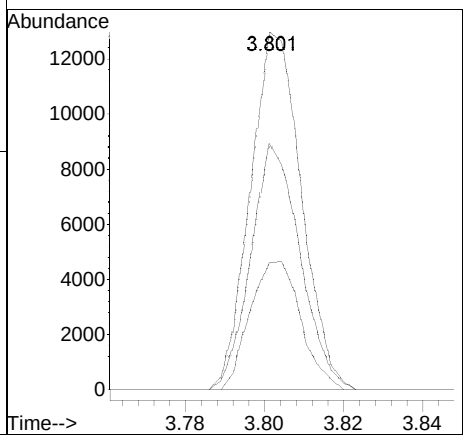


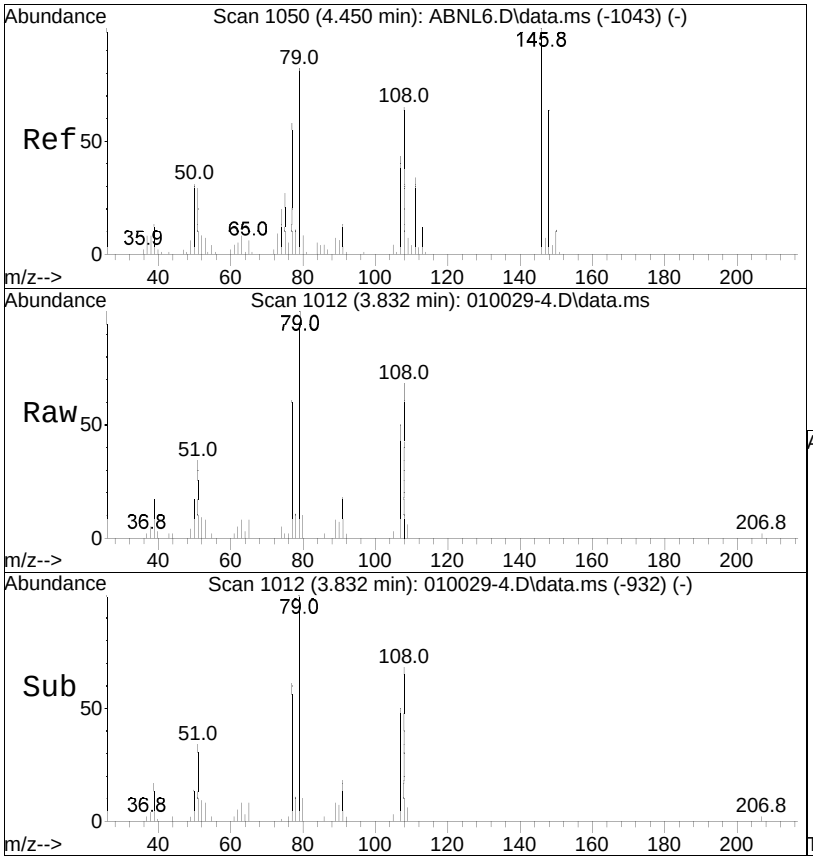


#12
1,2-Dichlorobenzene
Concen: 1.16 ug/ml
RT: 3.801 min Scan# 1002
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:146 Resp: 11536

Ion	Ratio	Lower	Upper
146	100		
111	35.9	34.6	52.0
148	66.5	50.2	75.4

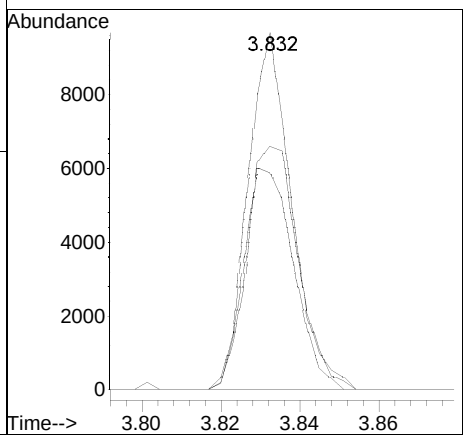


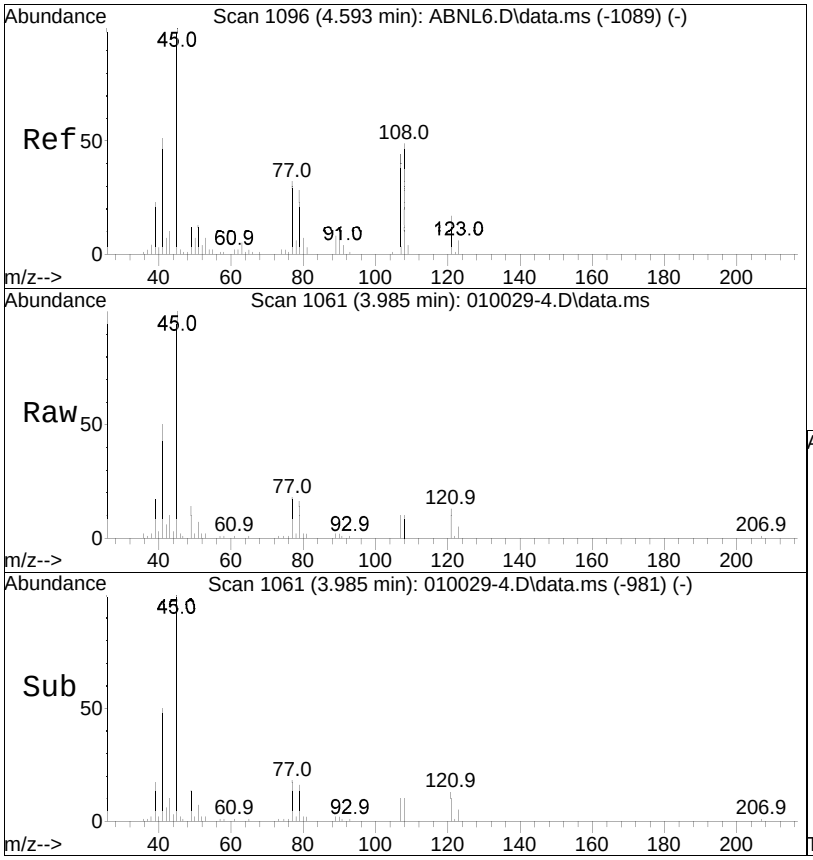


#13
Benzyl alcohol
Concen: 1.24 ug/ml
RT: 3.832 min Scan# 1012
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 79 Resp: 7463

Ion	Ratio	Lower	Upper
79	100		
77	70.2	54.9	82.3
108	79.2	63.1	94.7

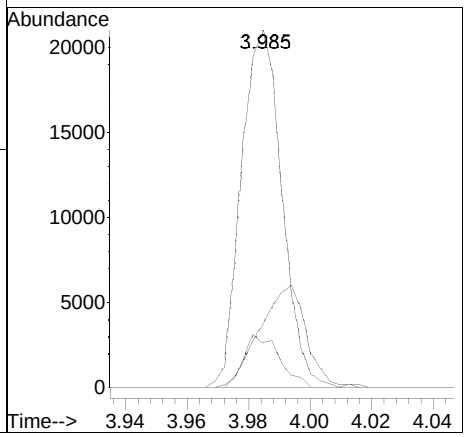


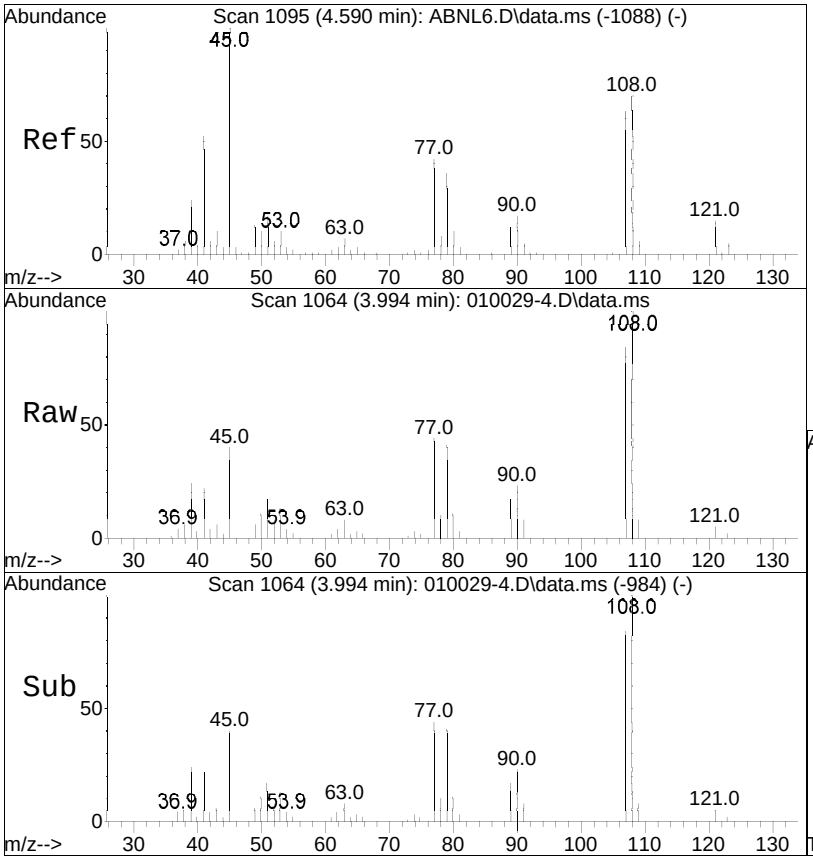


#14
Bis(2-chloroisopropyl)ether
Concen: 1.65 ug/ml
RT: 3.985 min Scan# 1061
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 45 Resp: 19116

Ion	Ratio	Lower	Upper
45	100		
121	13.3	9.8	14.6
77	32.9	6.1	9.1#

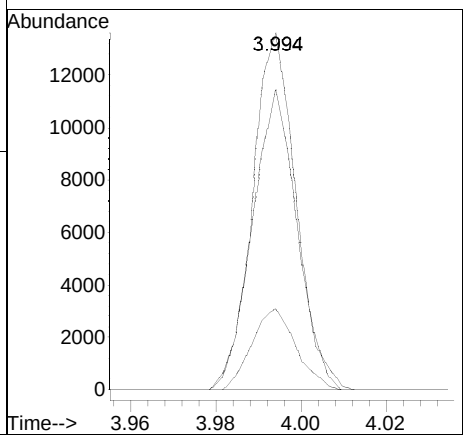


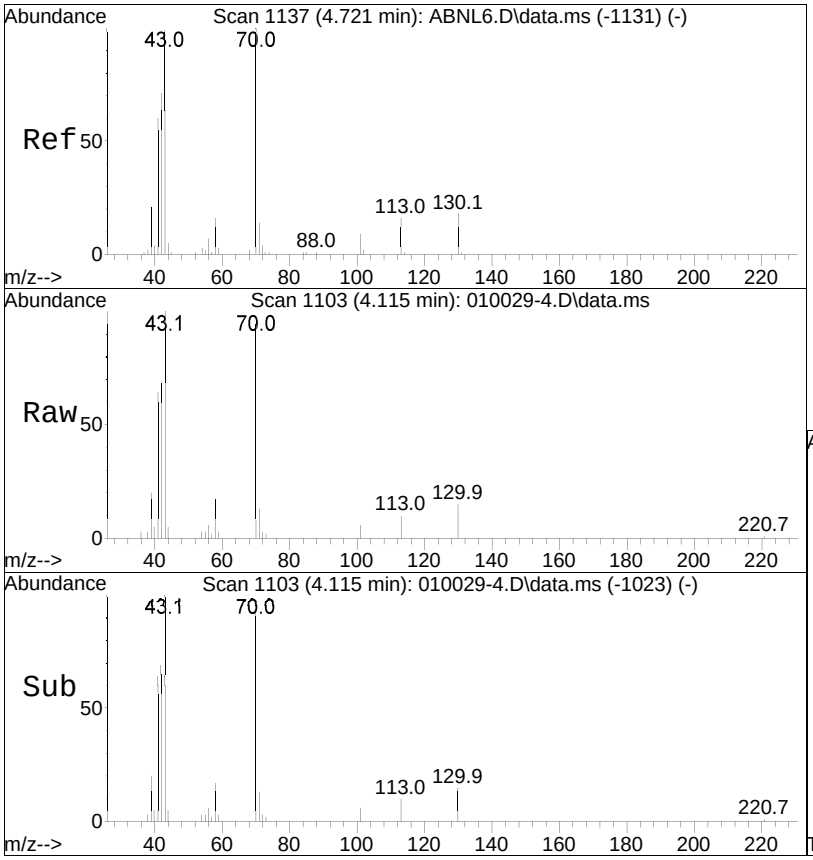


#15
2-Methylphenol
Concen: 1.38 ug/ml
RT: 3.994 min Scan# 1064
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:108 Resp: 9610

Ion	Ratio	Lower	Upper
108	100		
107	86.5	70.7	106.1
90	23.2	18.7	28.1

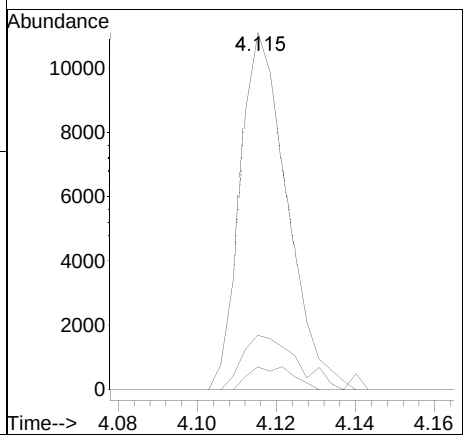


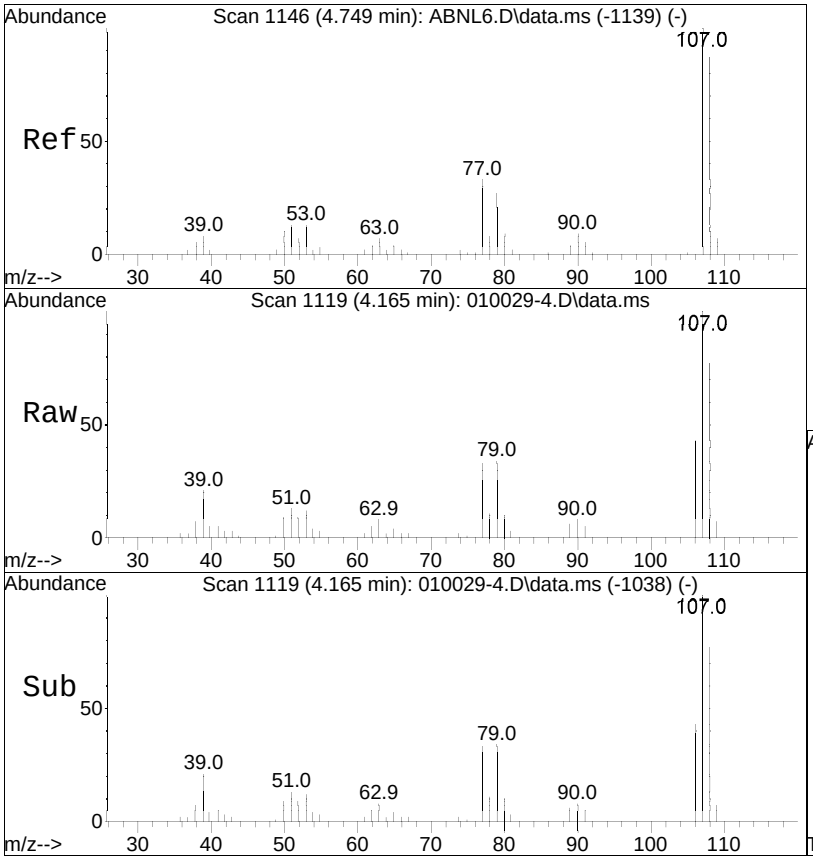


#17
n-Nitrosodi-n-propylamine
Concen: 1.64 ug/ml
RT: 4.115 min Scan# 1103
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 70 Resp: 9142

Ion	Ratio	Lower	Upper
70	100		
130	17.5	18.2	27.4#
101	6.1	7.8	11.8#

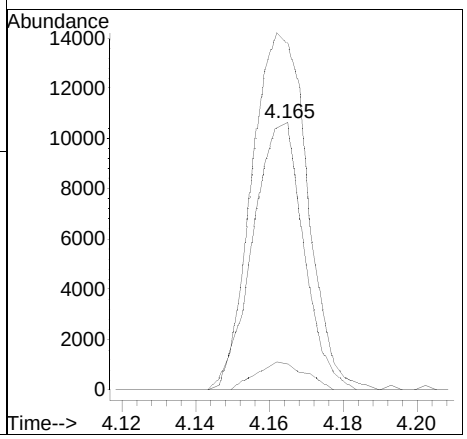


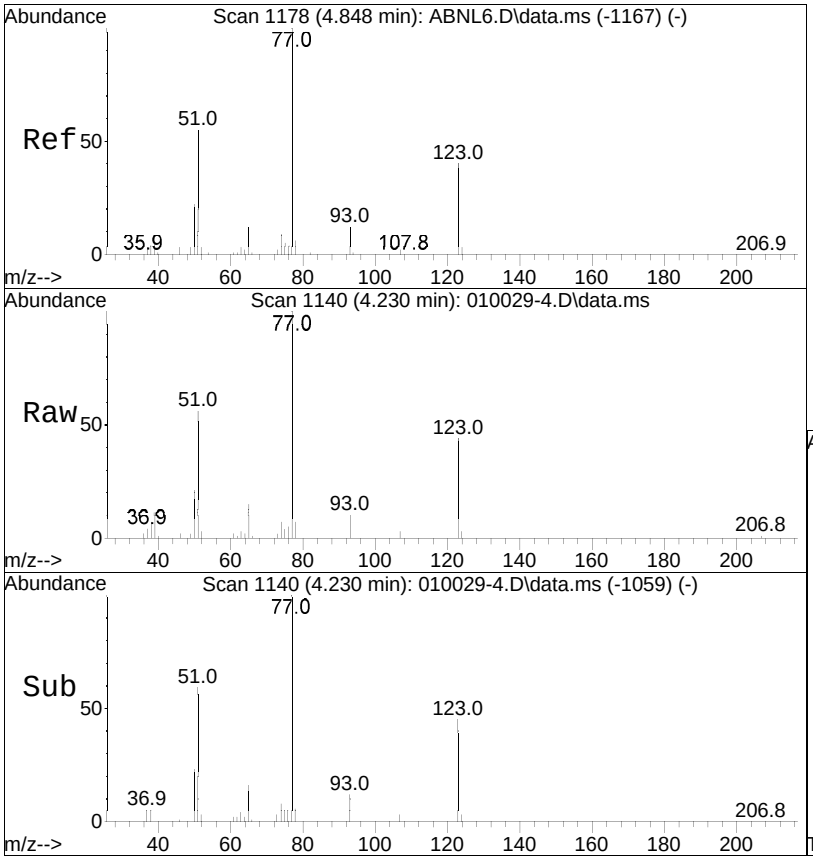


#18
3-Methylphenol/4-Methylphenol
Concen: 1.32 ug/ml
RT: 4.165 min Scan# 1119
Delta R.T. 0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:108 Resp: 10133

Ion	Ratio	Lower	Upper
108	100		
107	147.0	88.6	132.8#
90	10.2	8.8	13.2

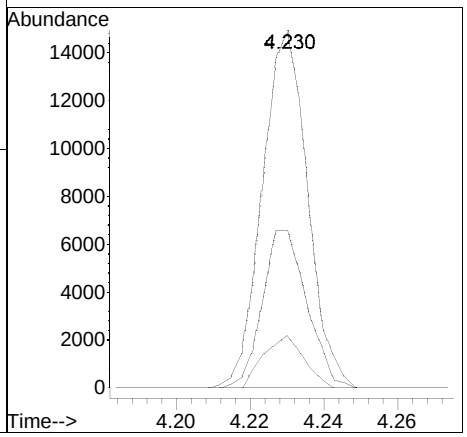


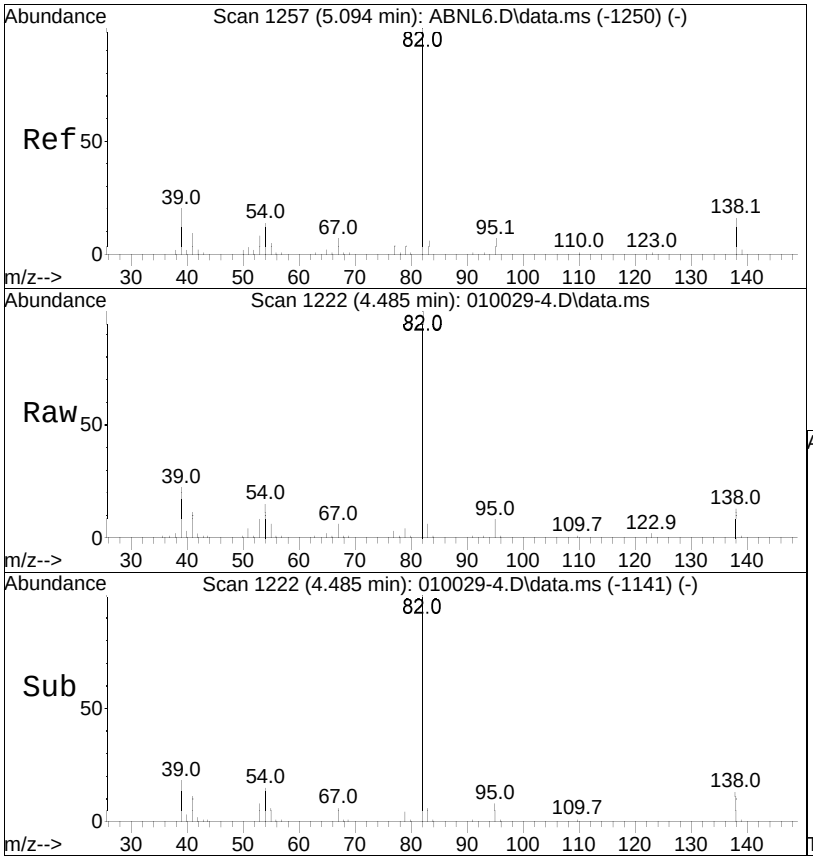


#20
Nitrobenzene
Concen: 1.59 ug/ml
RT: 4.230 min Scan# 1140
Delta R.T. 0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 77 Resp: 12620

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.3	54.5
65	13.2	11.6	17.4

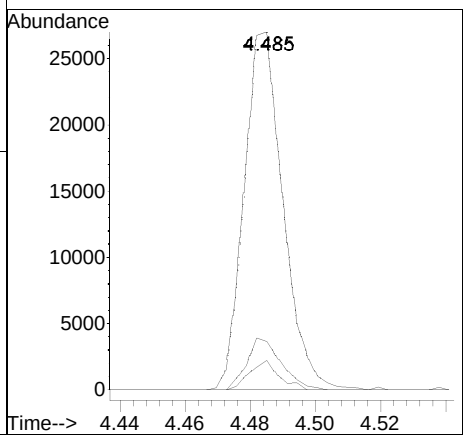


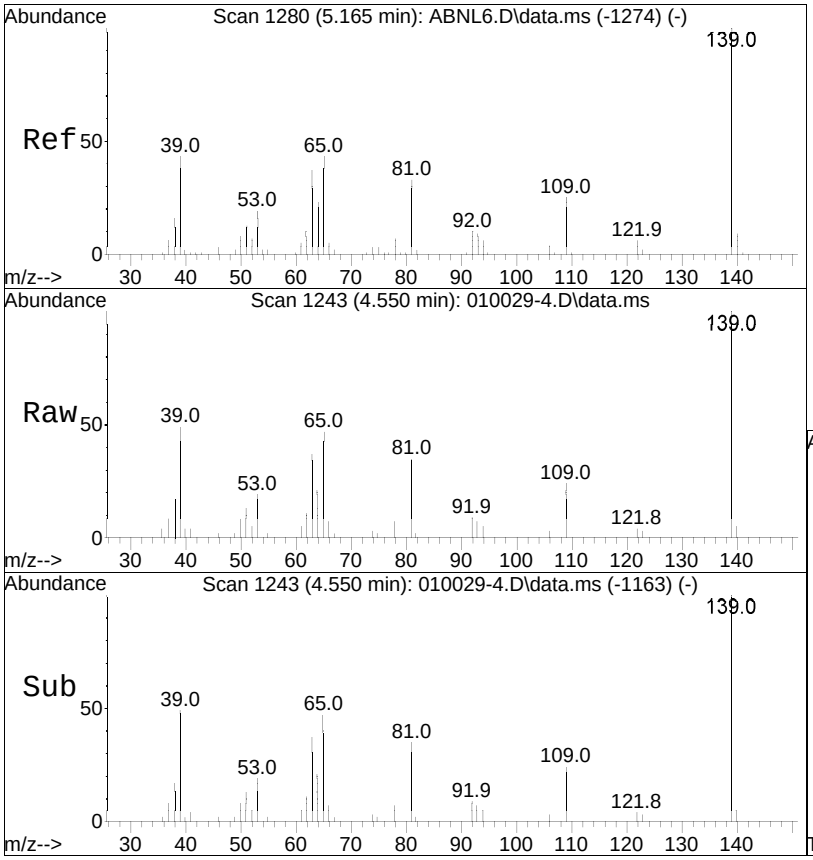


#21
Isophorone
Concen: 1.53 ug/ml
RT: 4.485 min Scan# 1222
Delta R.T. 0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 82 Resp: 22247

Ion	Ratio	Lower	Upper
82	100		
138	12.9	14.7	22.1#
95	6.3	5.2	7.8

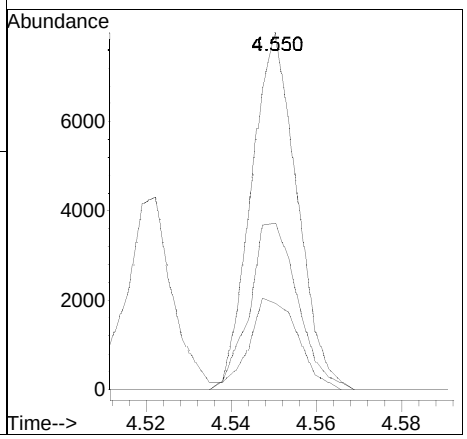


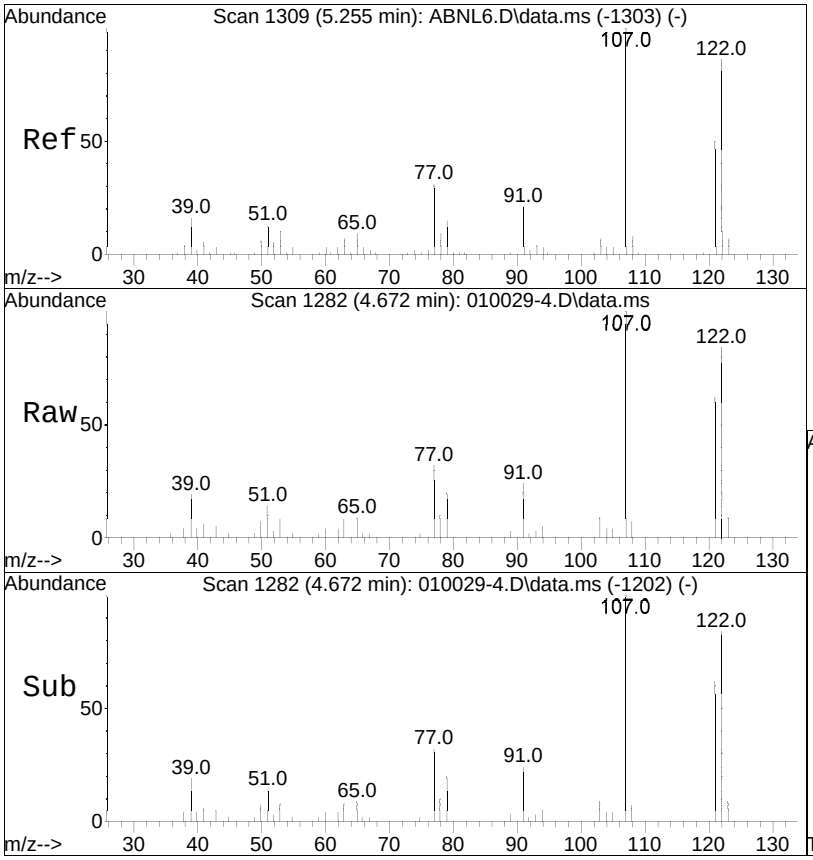


#22
2-Nitrophenol
Concen: 1.49 ug/ml
RT: 4.550 min Scan# 1243
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:139 Resp: 5951

Ion	Ratio	Lower	Upper
139	100		
109	27.4	19.4	29.0
65	49.4	46.1	69.1

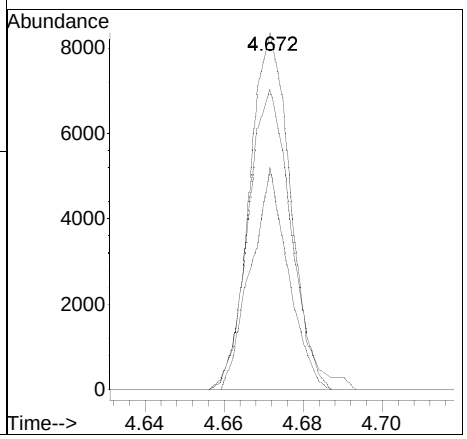


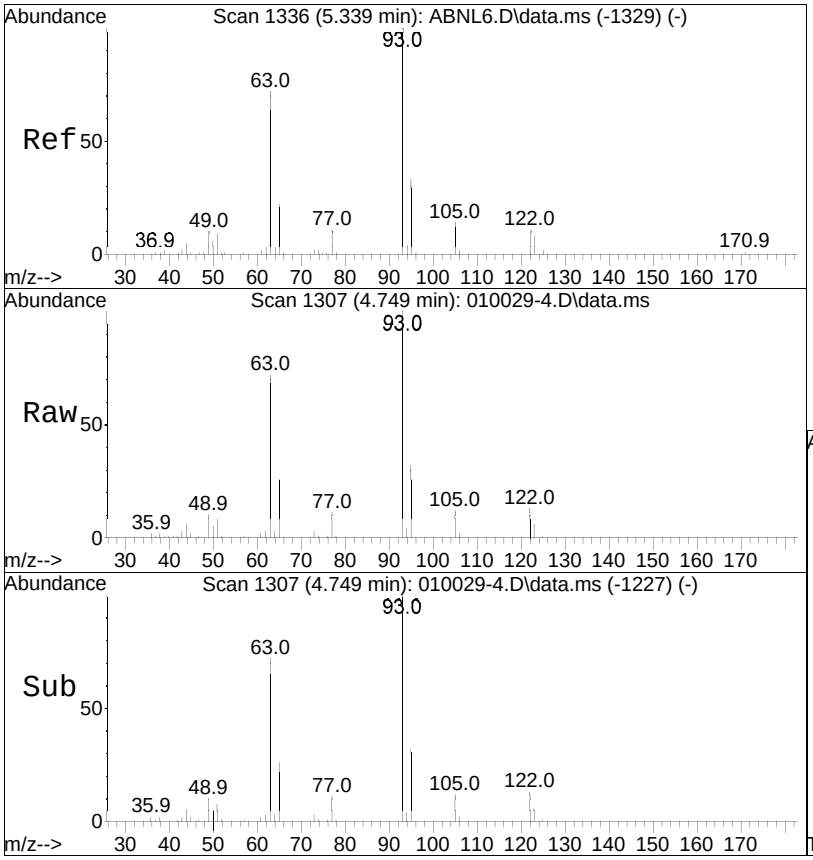


#23
2,4-Dimethylphenol
Concen: 0.85 ug/ml
RT: 4.672 min Scan# 1282
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:107 Resp: 6052

Ion	Ratio	Lower	Upper
107	100		
121	56.4	40.0	60.0
122	86.0	70.2	105.4

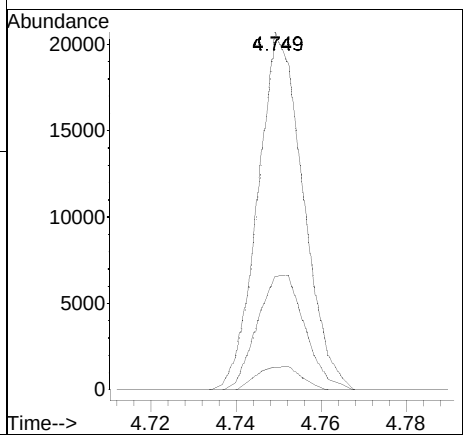


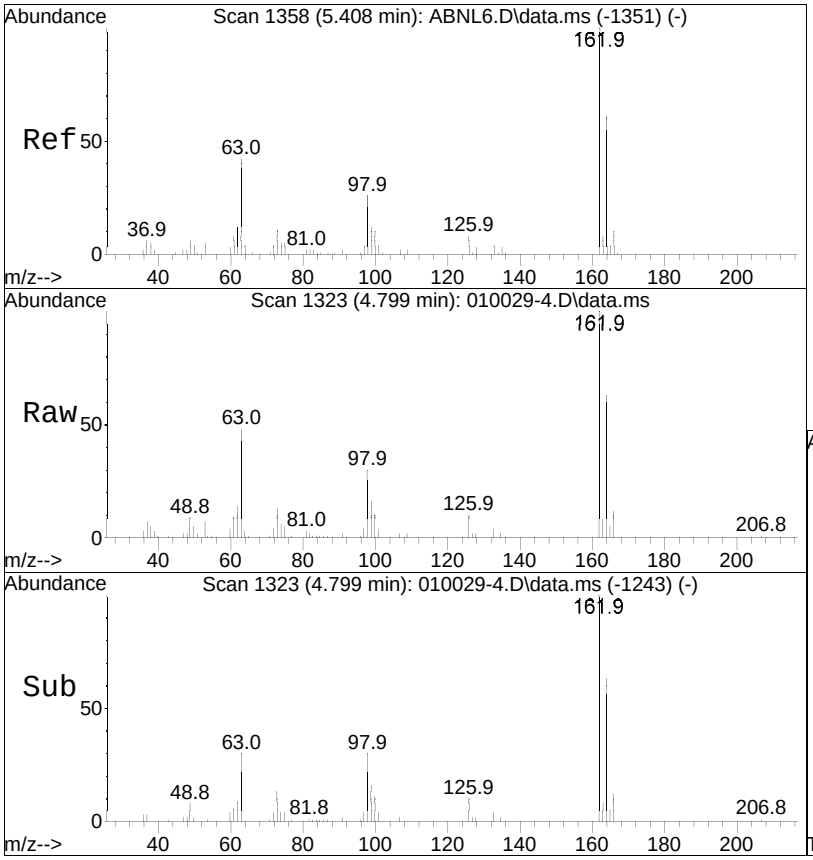


#24
Bis(2-chloroethoxy)methane
Concen: 1.67 ug/ml
RT: 4.749 min Scan# 1307
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 93 Resp: 15145

Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.8	38.8
123	6.6	10.1	15.1#

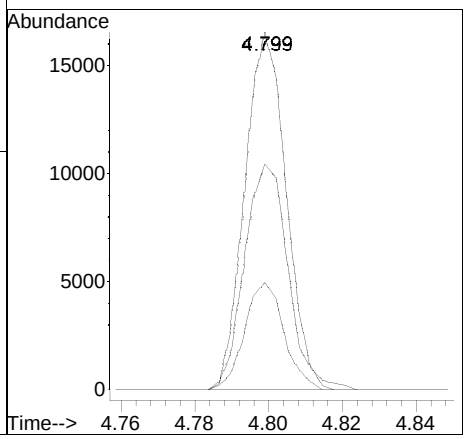


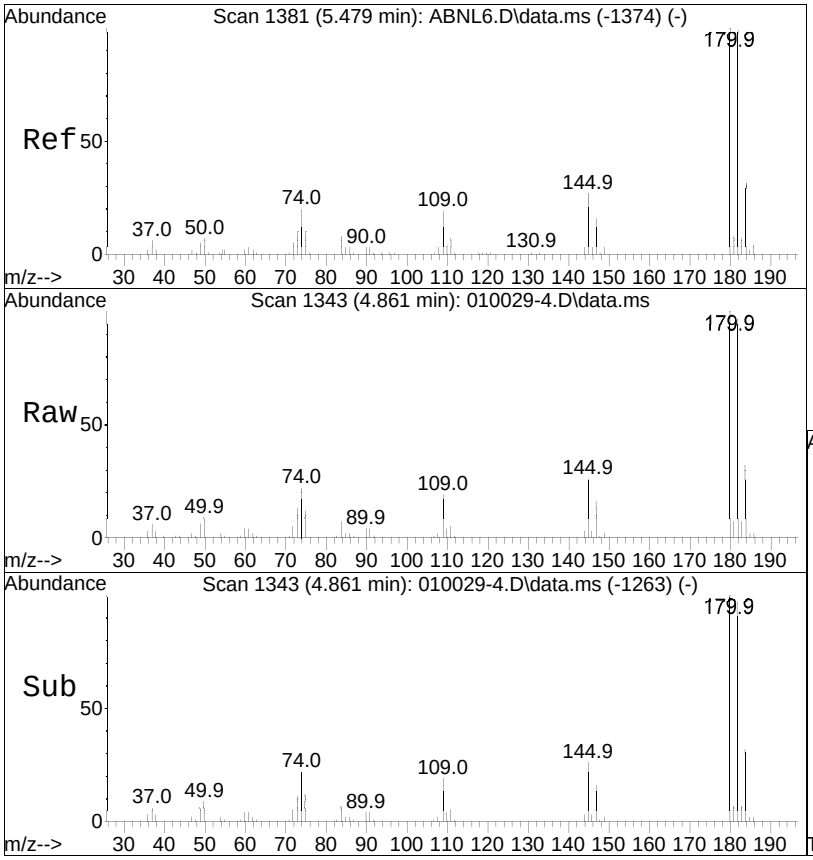


#25
2,4-Dichlorophenol
Concen: 1.54 ug/ml
RT: 4.799 min Scan# 1323
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:162 Resp: 12854

Ion	Ratio	Lower	Upper
162	100		
164	65.2	51.0	76.4
98	28.6	32.2	48.2#

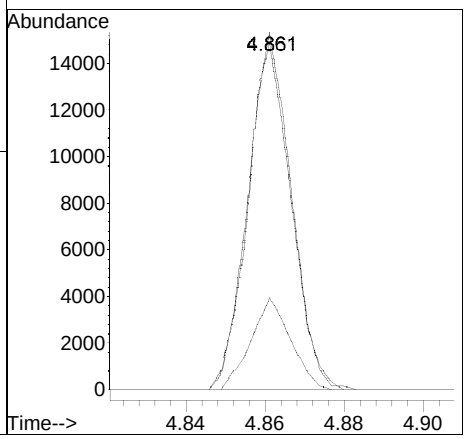


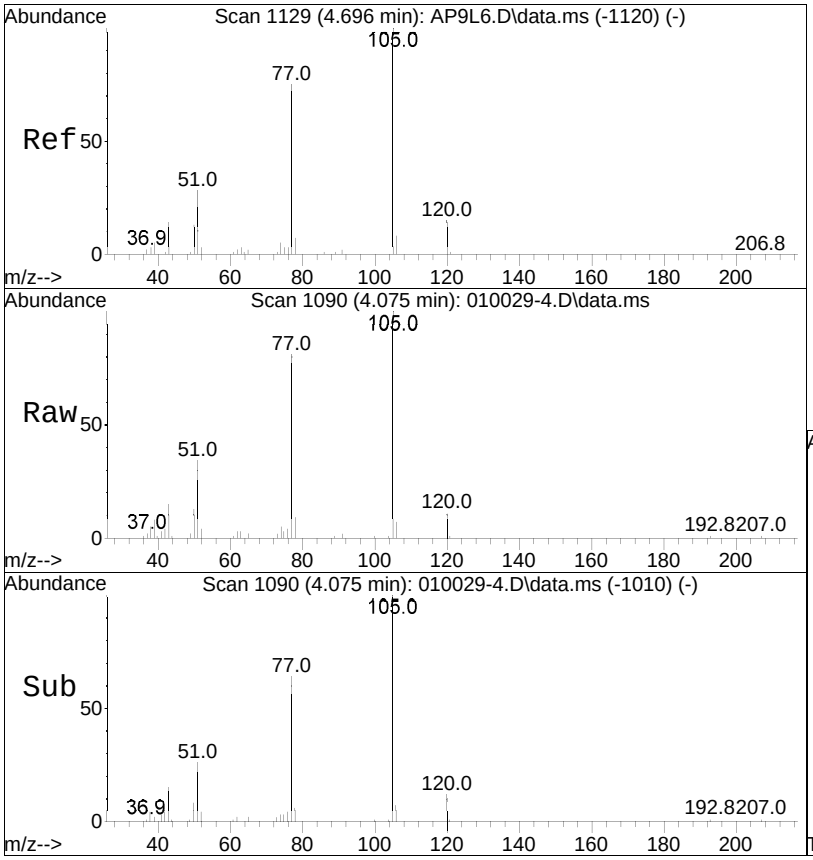


#26
1,2,4-Trichlorobenzene
Concen: 1.14 ug/ml
RT: 4.861 min Scan# 1343
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:180 Resp: 11481

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.0	114.0
145	23.9	25.7	38.5#

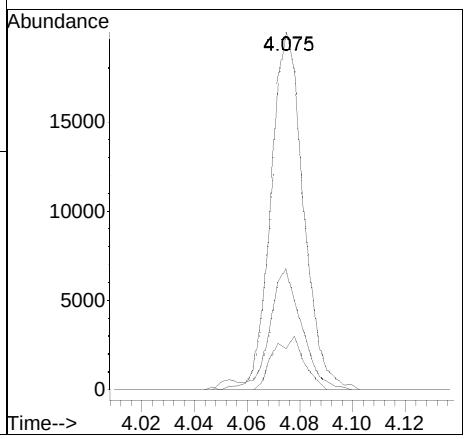


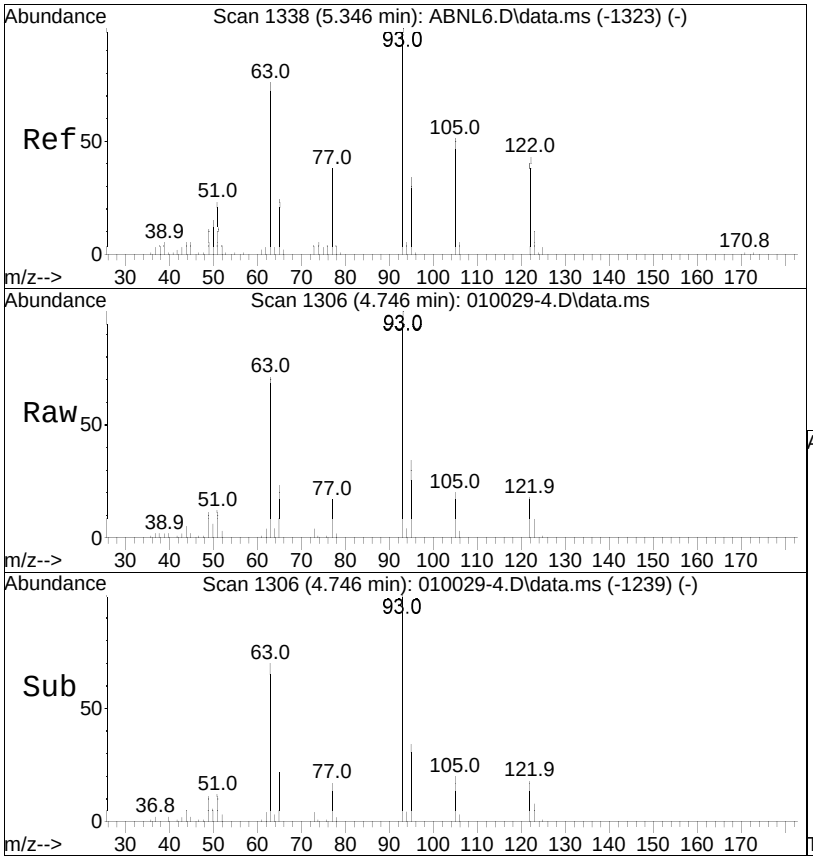


#29
Acetophenone
Concen: 1.87 ug/ml
RT: 4.075 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:105 Resp: 17021

Ion	Ratio	Lower	Upper
105	100		
120	14.2	20.5	30.7#
51	32.6	34.9	52.3#

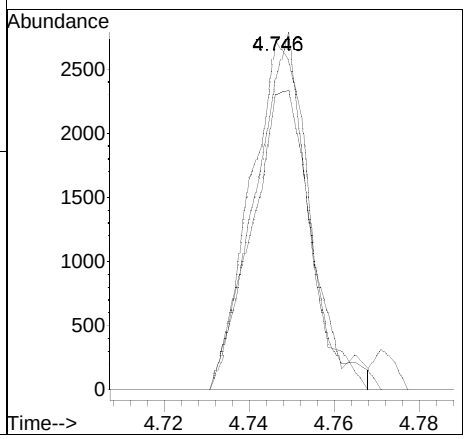


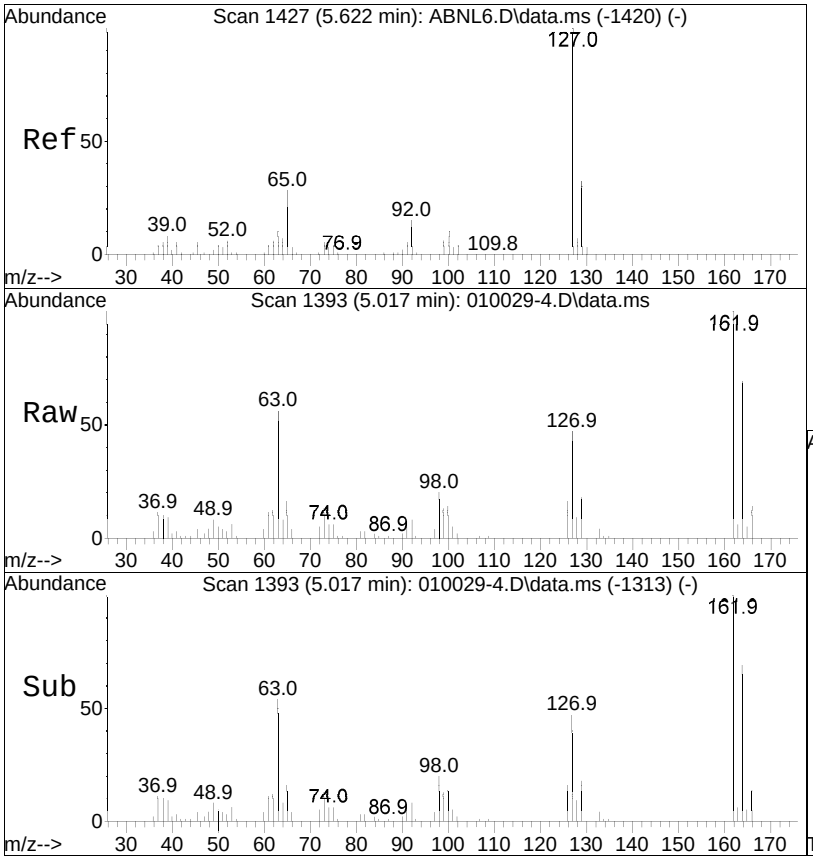


#39
Benzoic Acid
Concen: 0.48 ug/ml
RT: 4.746 min Scan# 1306
Delta R.T. -0.040 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:105 Resp: 2646

Ion	Ratio	Lower	Upper
105	100		
122	89.8	59.9	89.9
77	85.2	60.1	90.1

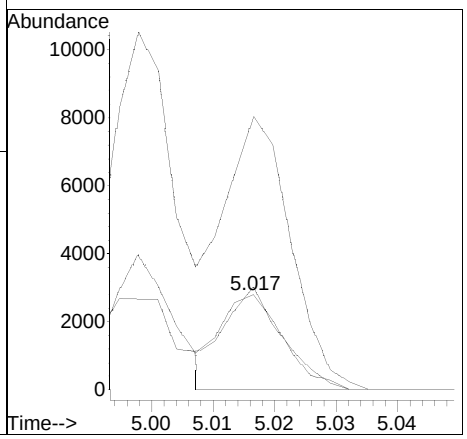


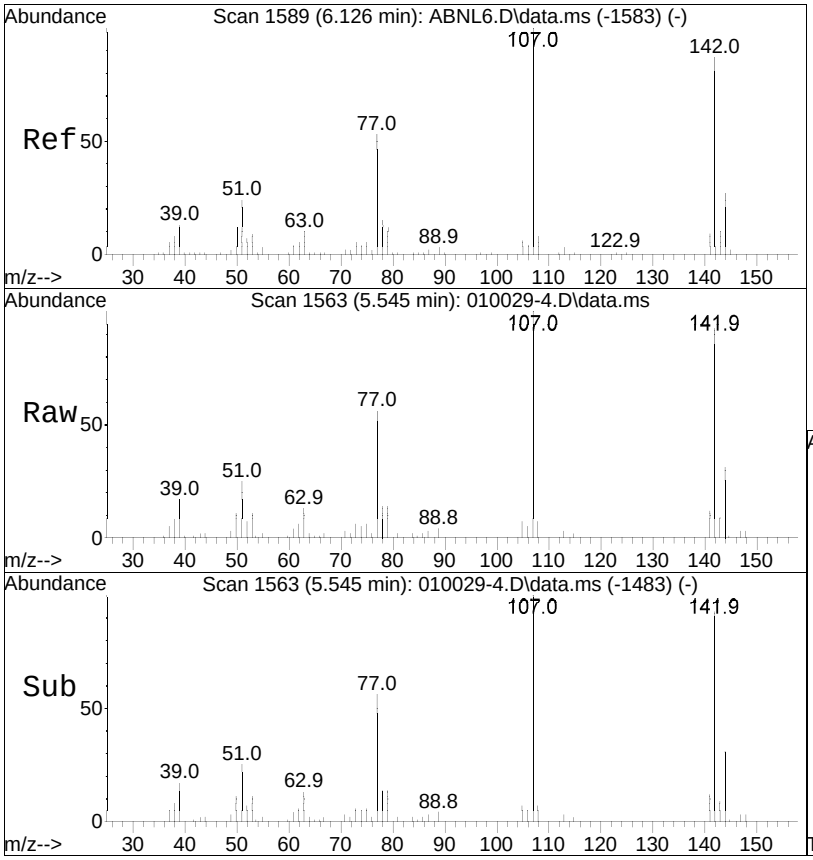


#40
4-Chloroaniline
Concen: 0.68 ug/ml
RT: 5.017 min Scan# 1393
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 65 Resp: 2000

Ion	Ratio	Lower	Upper
65	100		
127	308.0	237.6	356.4
129	99.7	76.3	114.5

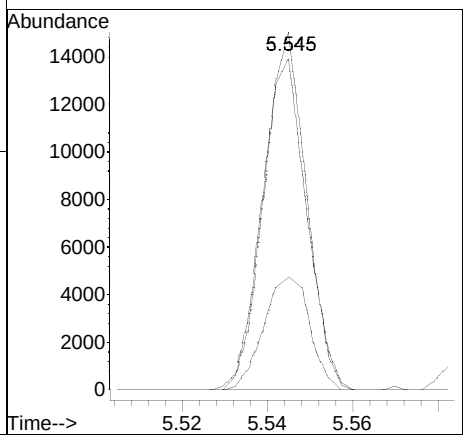


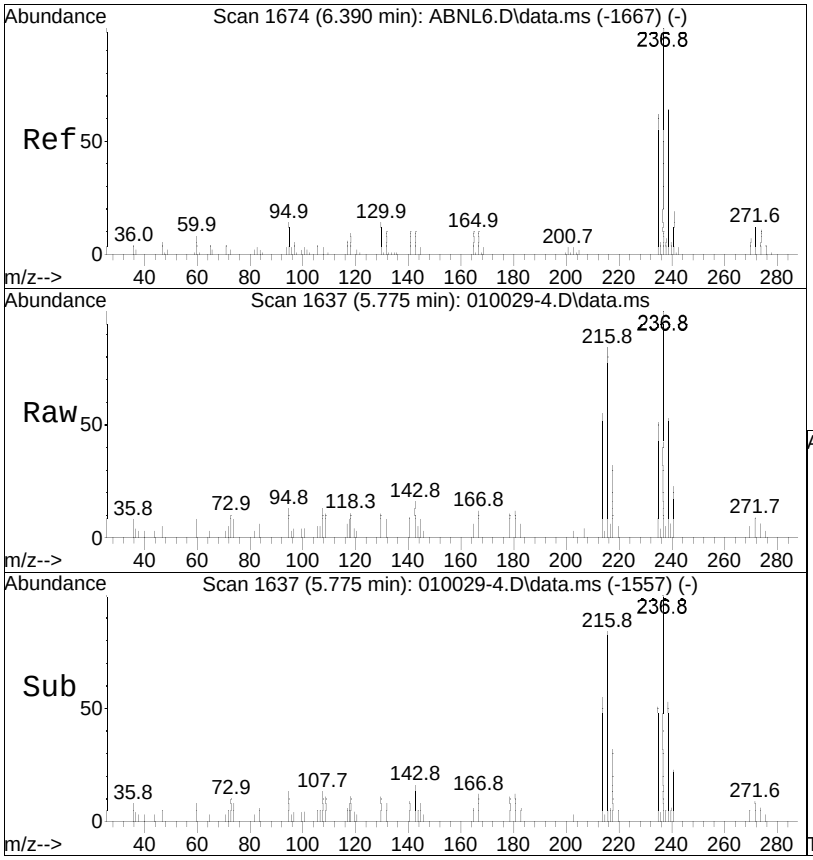


#42
p-Chloro-m-cresol
Concen: 1.48 ug/ml
RT: 5.545 min Scan# 1563
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:107 Resp: 10476

Ion	Ratio	Lower	Upper
107	100		
144	33.9	20.9	31.3#
142	94.4	66.1	99.1

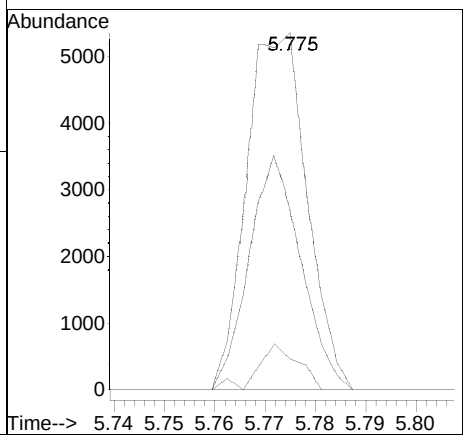


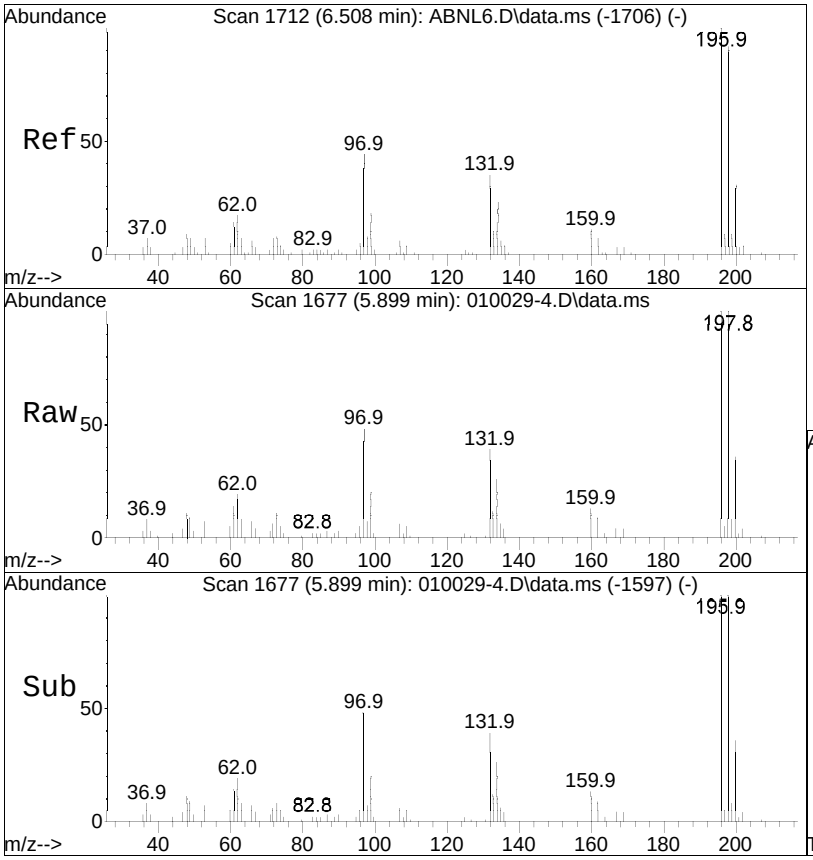


#45
Hexachlorocyclopentadiene
Concen: 0.67 ug/ml
RT: 5.775 min Scan# 1637
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:237 Resp: 4435

Ion	Ratio	Lower	Upper
237	100		
235	56.5	49.7	74.5
272	0.0	9.8	14.6#

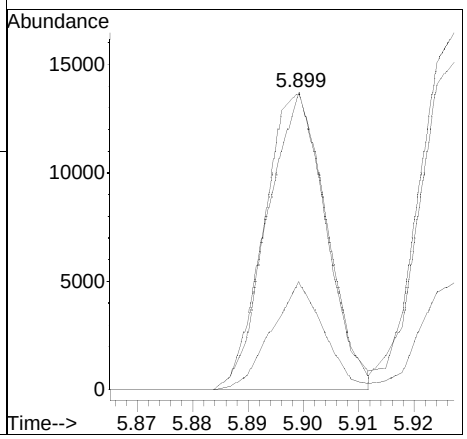


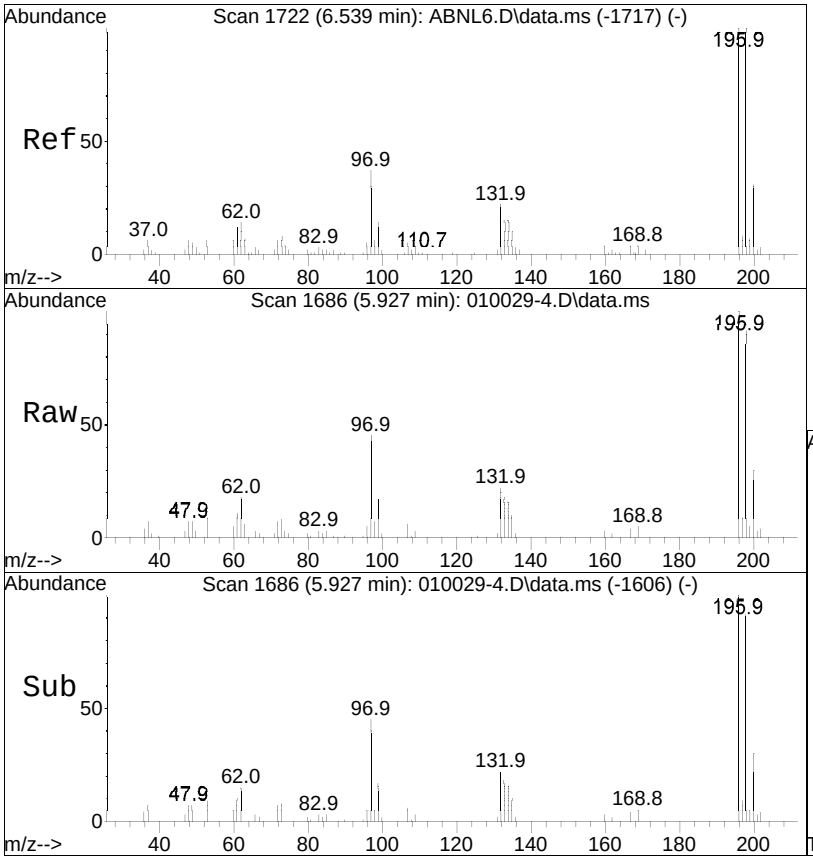


#46
2,4,6-Trichlorophenol
Concen: 1.51 ug/ml
RT: 5.899 min Scan# 1677
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:196 Resp: 10559

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.5	116.3
200	31.1	23.8	35.6

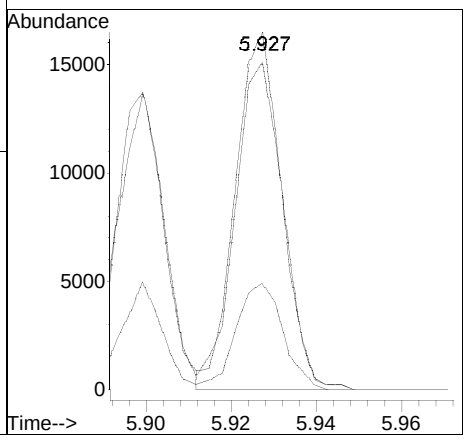


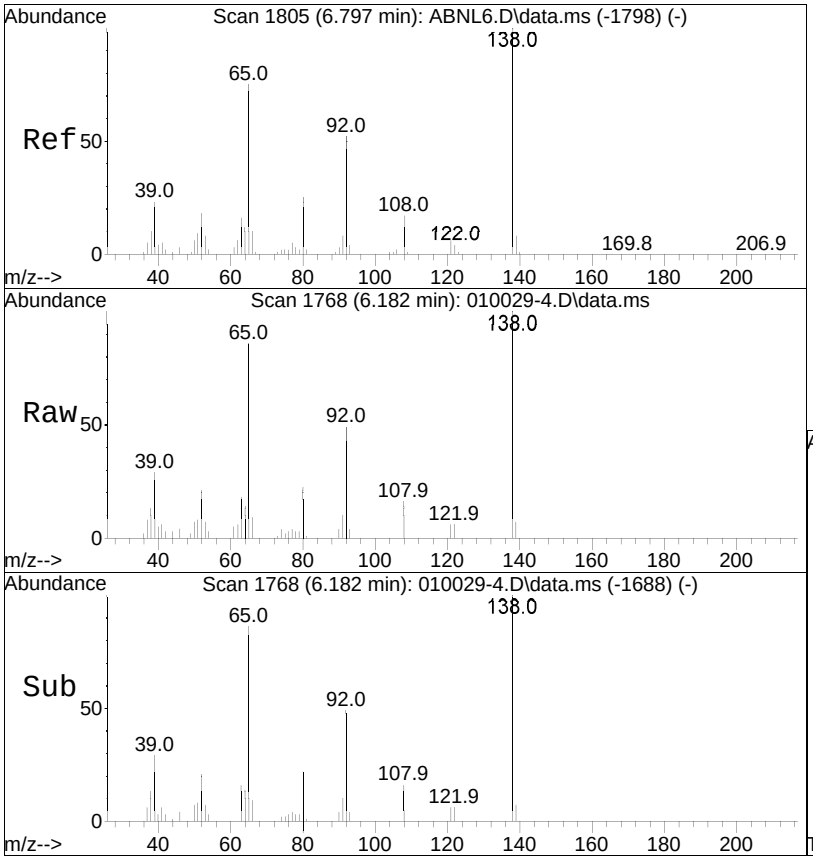


#47
2,4,5-Trichlorophenol
Concen: 1.59 ug/ml
RT: 5.927 min Scan# 1686
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:196 Resp: 12432

Ion	Ratio	Lower	Upper
196	100		
200	30.2	25.4	38.0
198	95.0	78.0	117.0

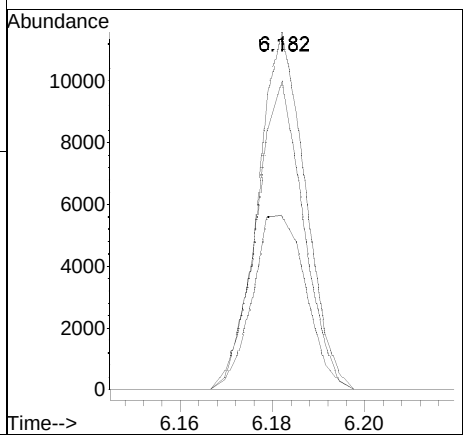


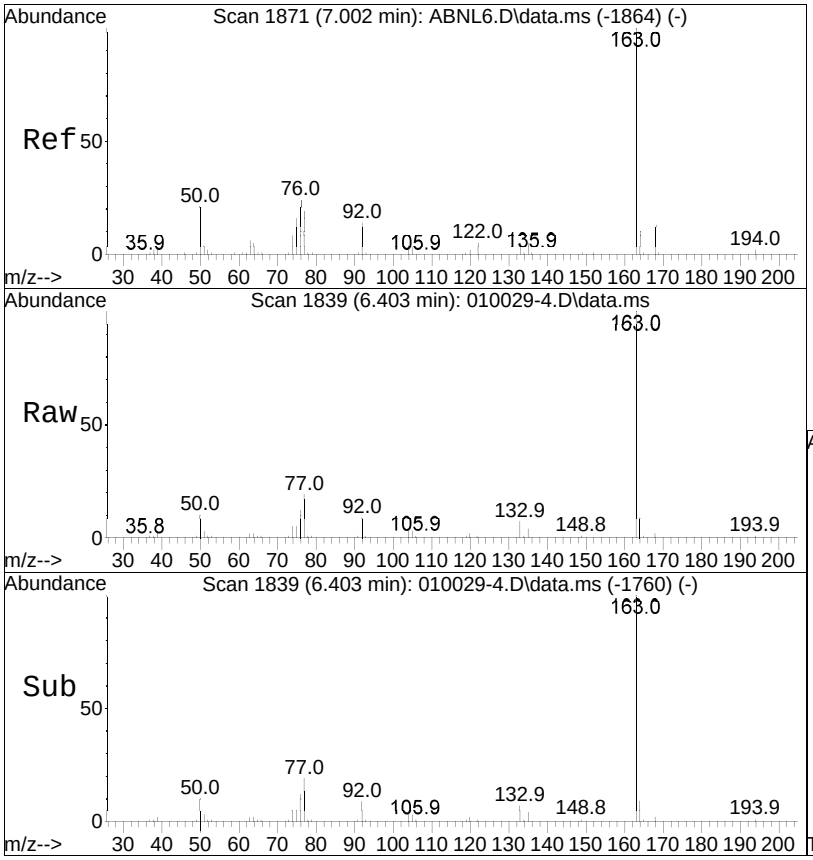


#50
2-Nitroaniline
Concen: 1.54 ug/ml
RT: 6.182 min Scan# 1768
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:138 Resp: 8208

Ion	Ratio	Lower	Upper
138	100		
92	55.0	53.5	80.3
65	86.1	86.3	129.5#

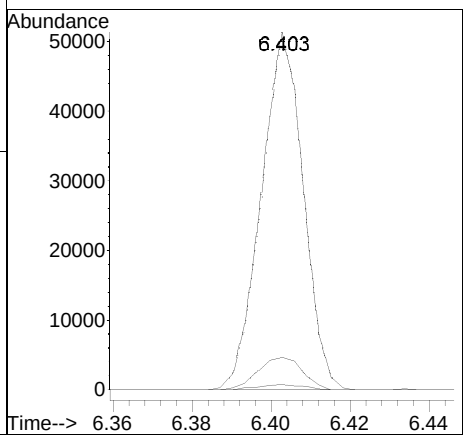


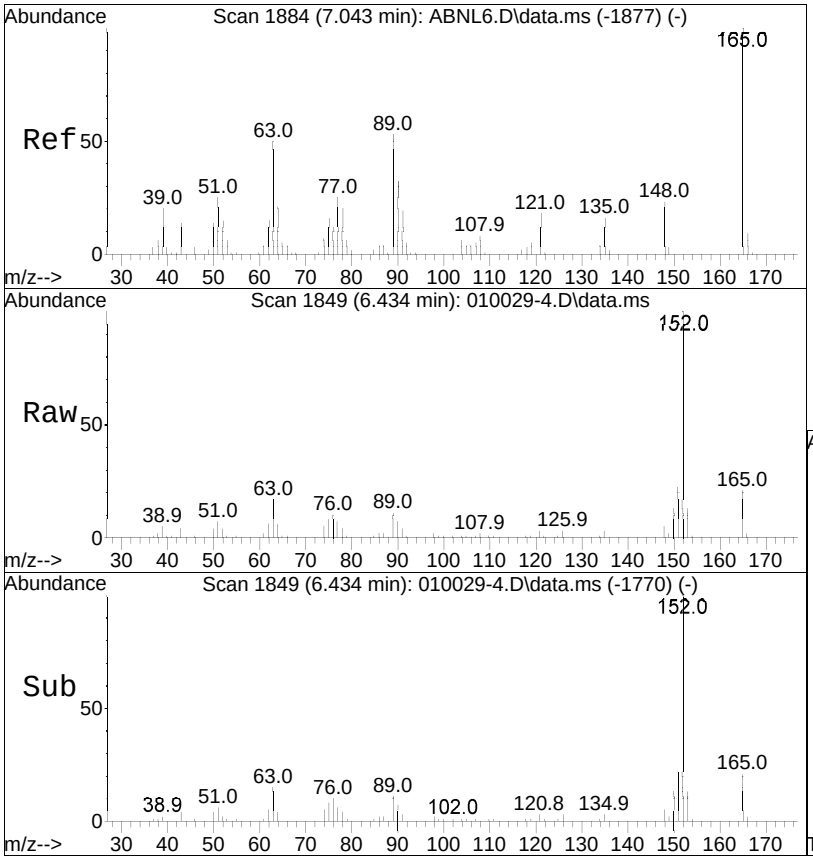


#53
Dimethyl phthalate
Concen: 1.55 ug/ml
RT: 6.403 min Scan# 1839
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:163 Resp: 37504

Ion	Ratio	Lower	Upper
163	100		
194	1.7	3.5	5.3#
164	9.7	7.9	11.9

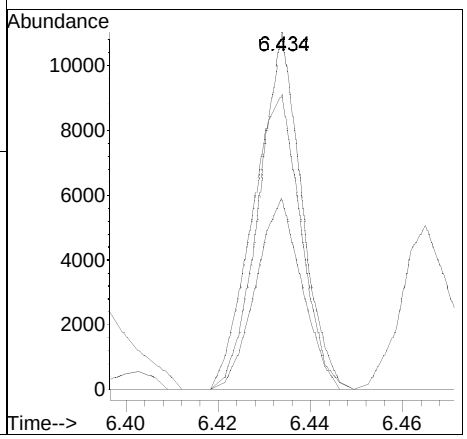


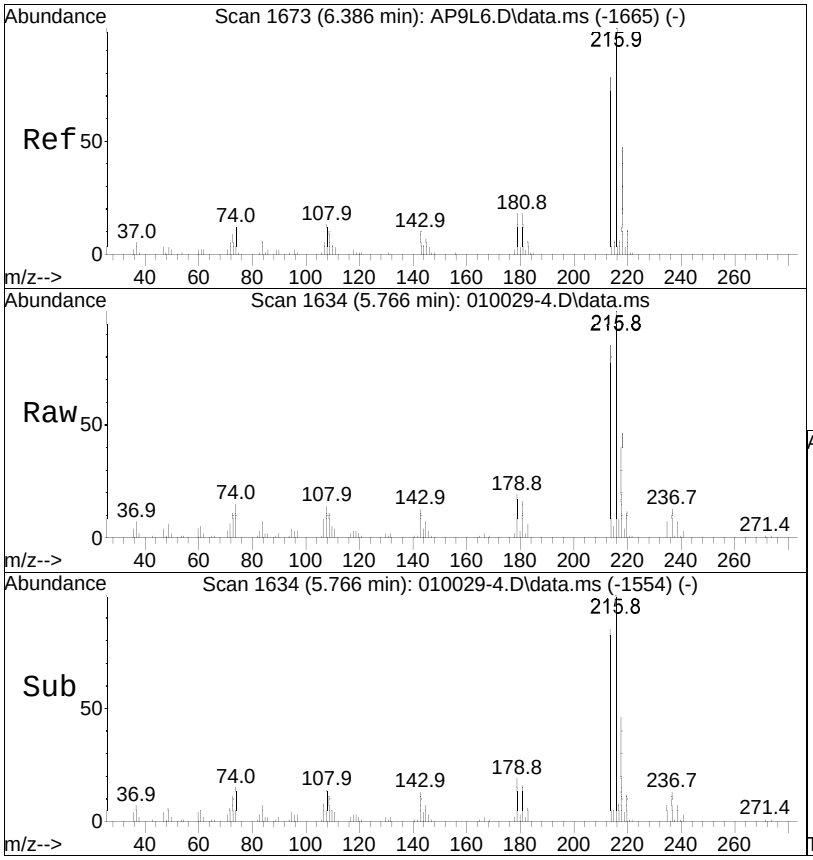


#55
2,6-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:165 Resp: 7042

Ion	Ratio	Lower	Upper
165	100		
89	58.0	54.2	81.2
63	97.1	64.2	96.2#

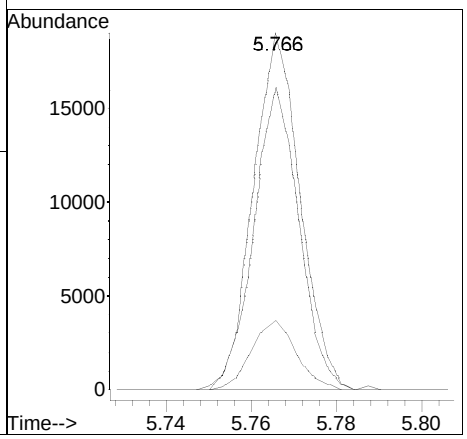


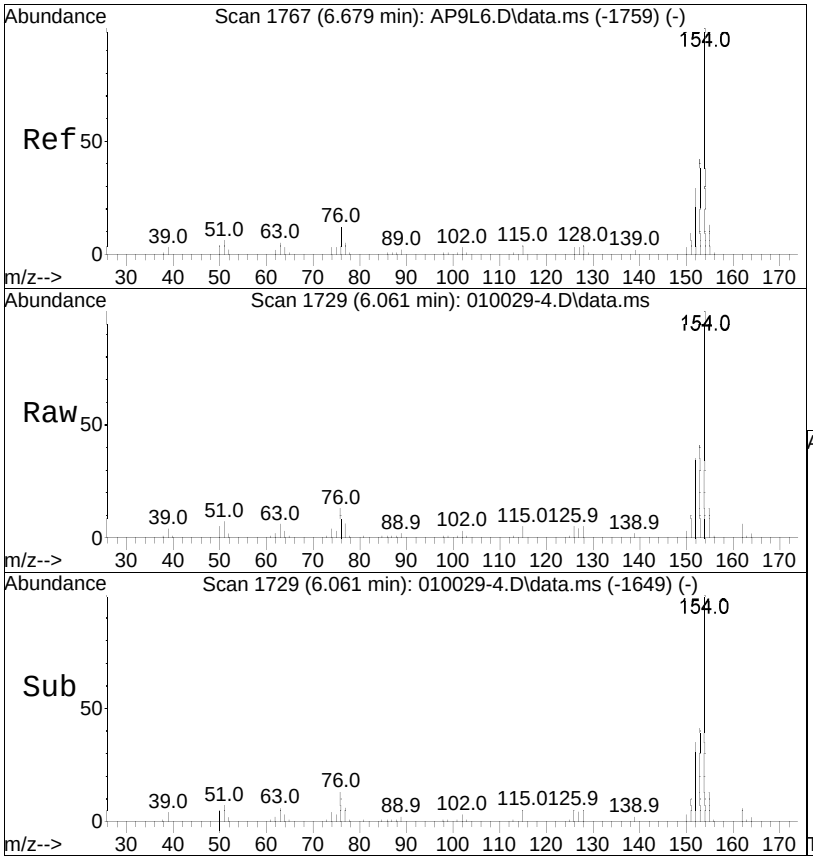


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.44 ug/ml
RT: 5.766 min Scan# 1634
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:216 Resp: 14489

Ion	Ratio	Lower	Upper
216	100		
214	82.1	63.7	95.5
179	18.8	19.0	28.6#

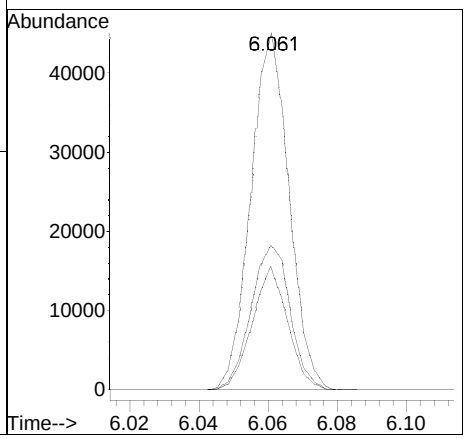


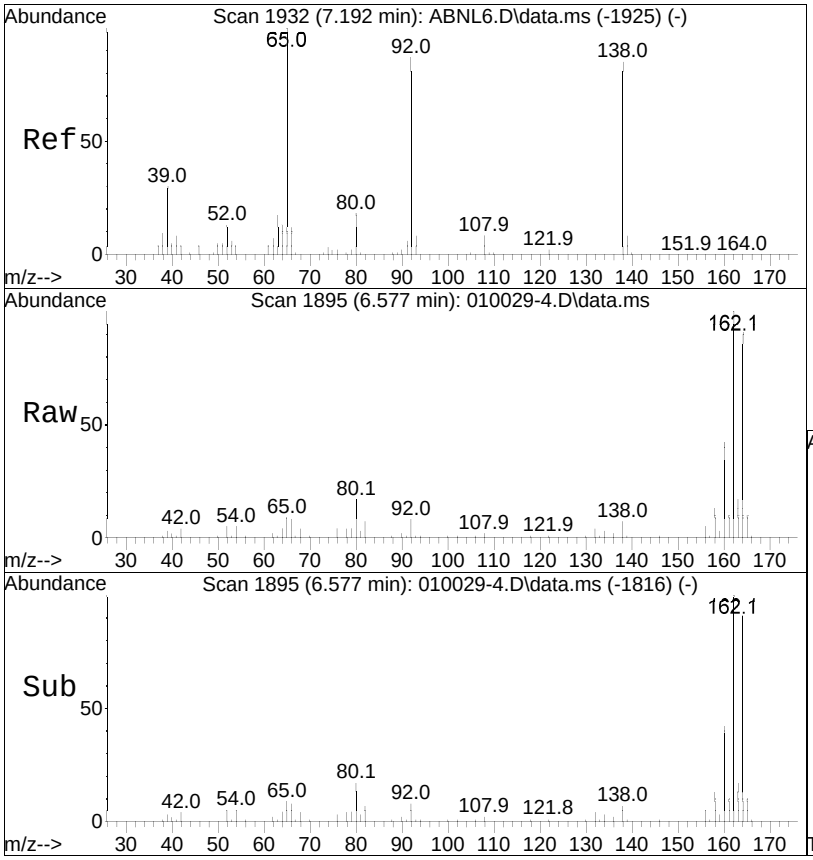


#64
Biphenyl
Concen: 1.67 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:154 Resp: 34276

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.3	48.5
152	32.4	22.5	33.7

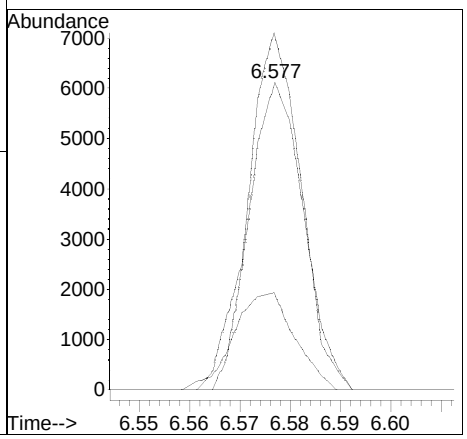


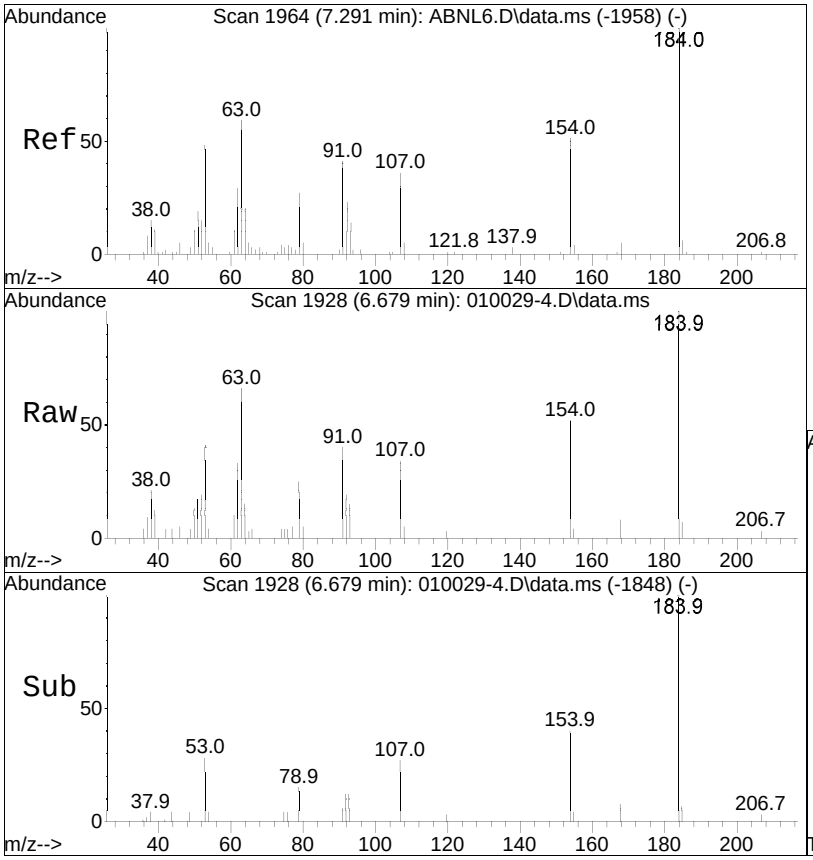


#66
3-Nitroaniline
Concen: 0.90 ug/ml
RT: 6.577 min Scan# 1895
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:138 Resp: 4562

Ion	Ratio	Lower	Upper
138	100		
92	114.1	93.4	140.2
108	35.6	9.5	14.3#

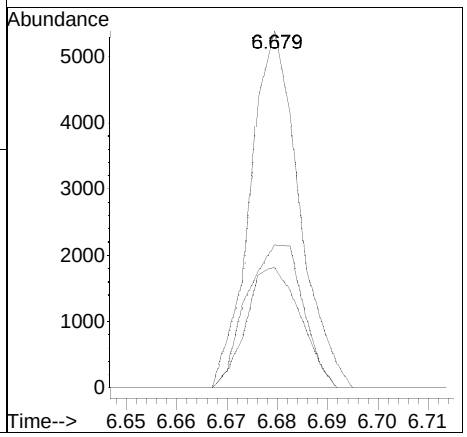


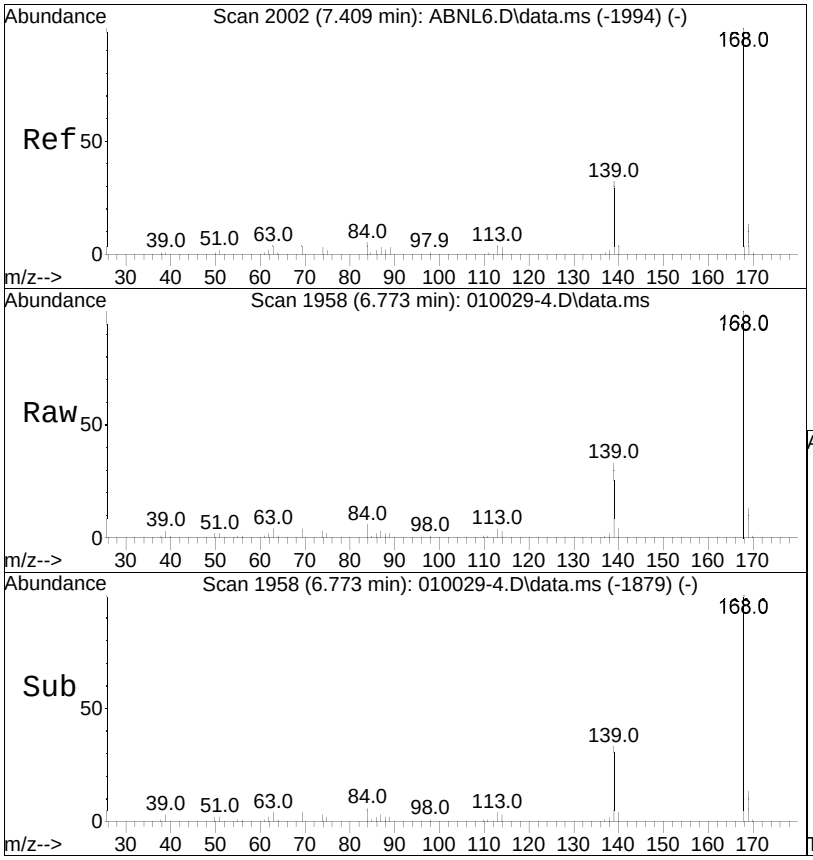


#68
2,4-Dinitrophenol
Concen: 1.18 ug/ml
RT: 6.679 min Scan# 1928
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:184 Resp: 3633

Ion	Ratio	Lower	Upper
184	100		
107	37.2	37.7	56.5#
91	46.0	46.3	69.5#

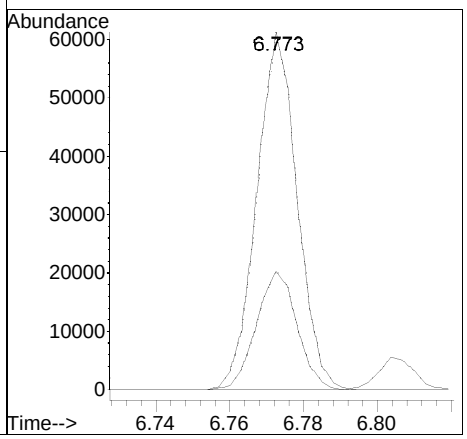


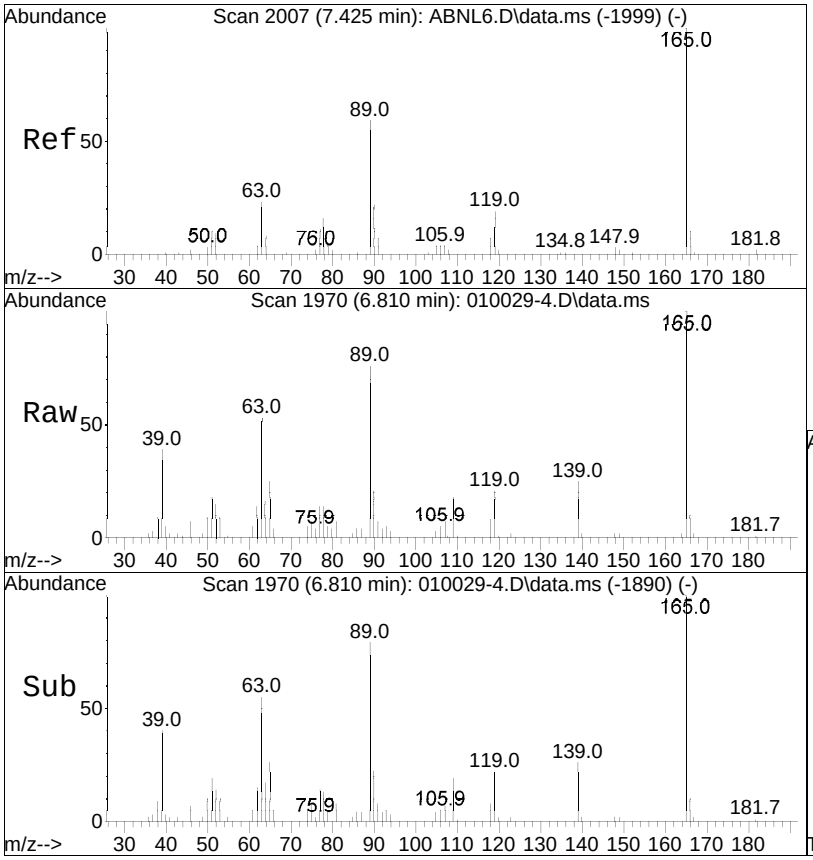


#69
Dibenzofuran
Concen: 1.40 ug/ml
RT: 6.773 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:168 Resp: 46044

Ion	Ratio	Lower	Upper
168	100		
139	33.5	31.4	47.2

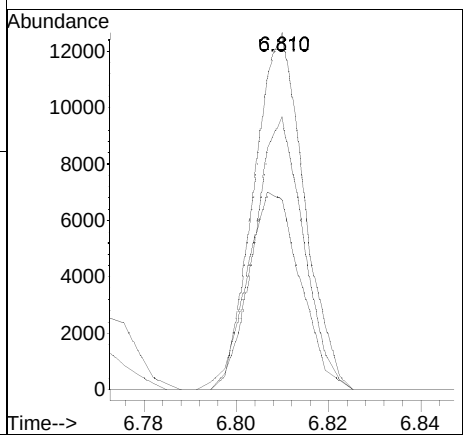


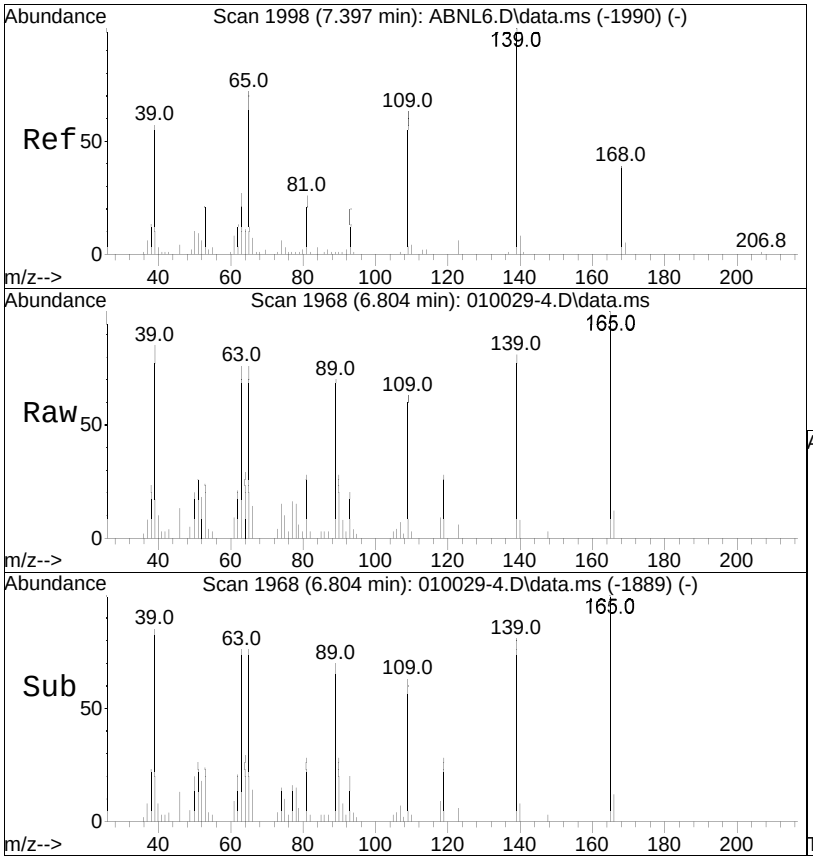


#70
2,4-Dinitrotoluene
Concen: 1.50 ug/ml
RT: 6.810 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:165 Resp: 9523

Ion	Ratio	Lower	Upper
165	100		
89	74.3	72.0	108.0
63	59.7	52.7	79.1

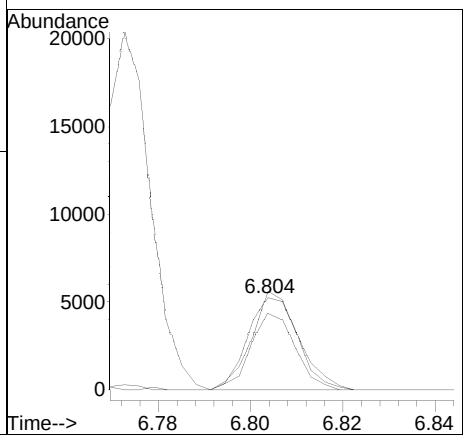


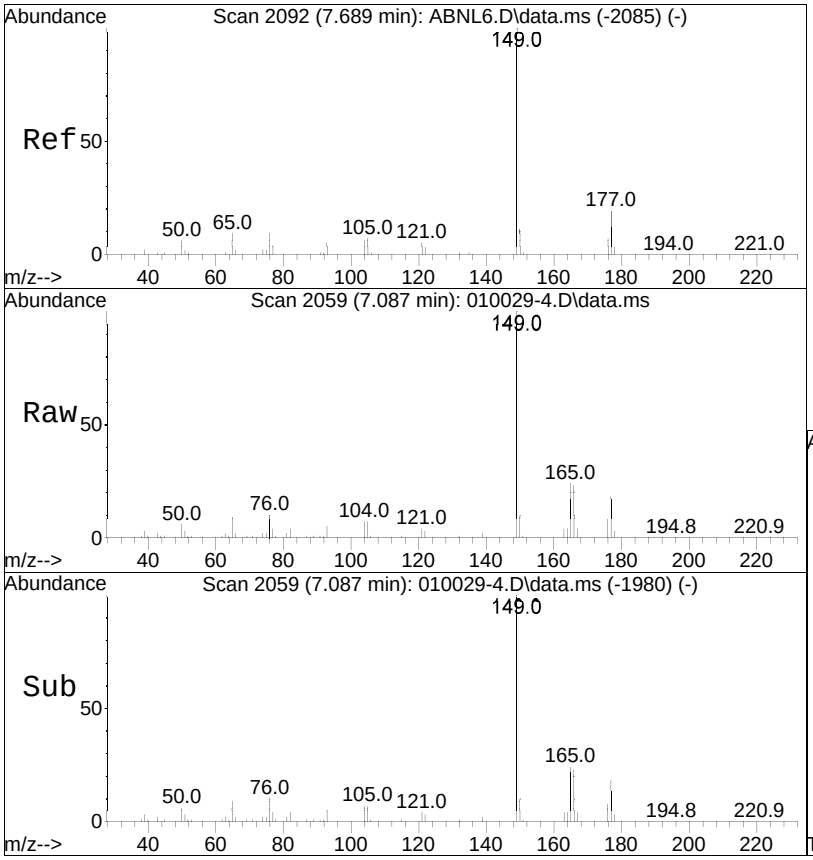


#71
4-Nitrophenol
Concen: 1.09 ug/ml
RT: 6.804 min Scan# 1968
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion: 65 Resp: 4104

Ion	Ratio	Lower	Upper
65	100		
109	71.4	47.4	71.2#
139	93.4	76.6	115.0

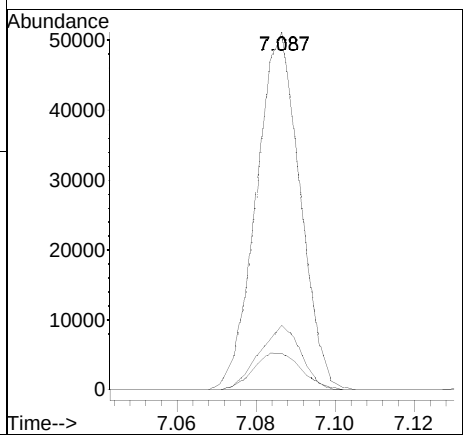


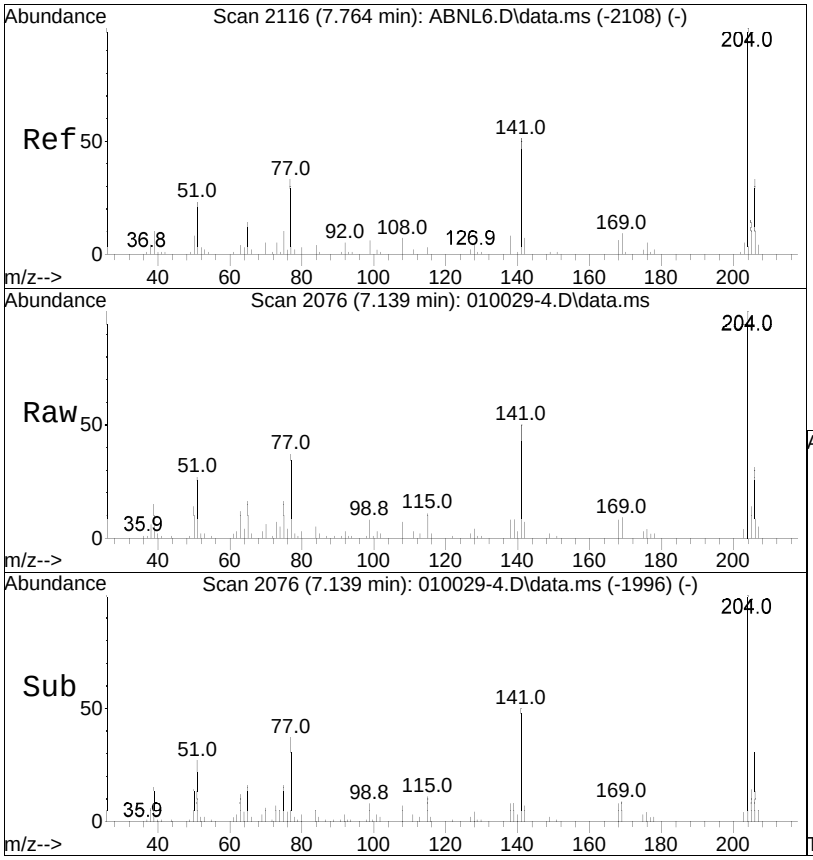


#74
Diethyl phthalate
Concen: 1.51 ug/ml
RT: 7.087 min Scan# 2059
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:149 Resp: 39008

Ion	Ratio	Lower	Upper
149	100		
177	17.5	16.1	24.1
150	11.4	9.4	14.2

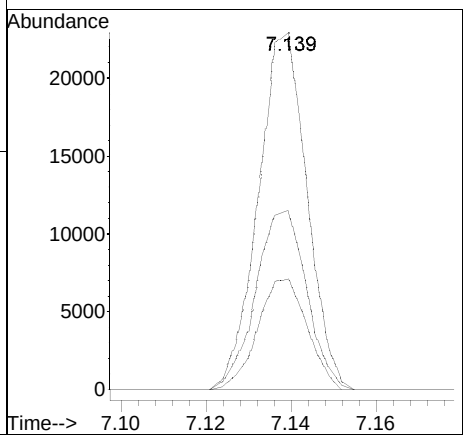


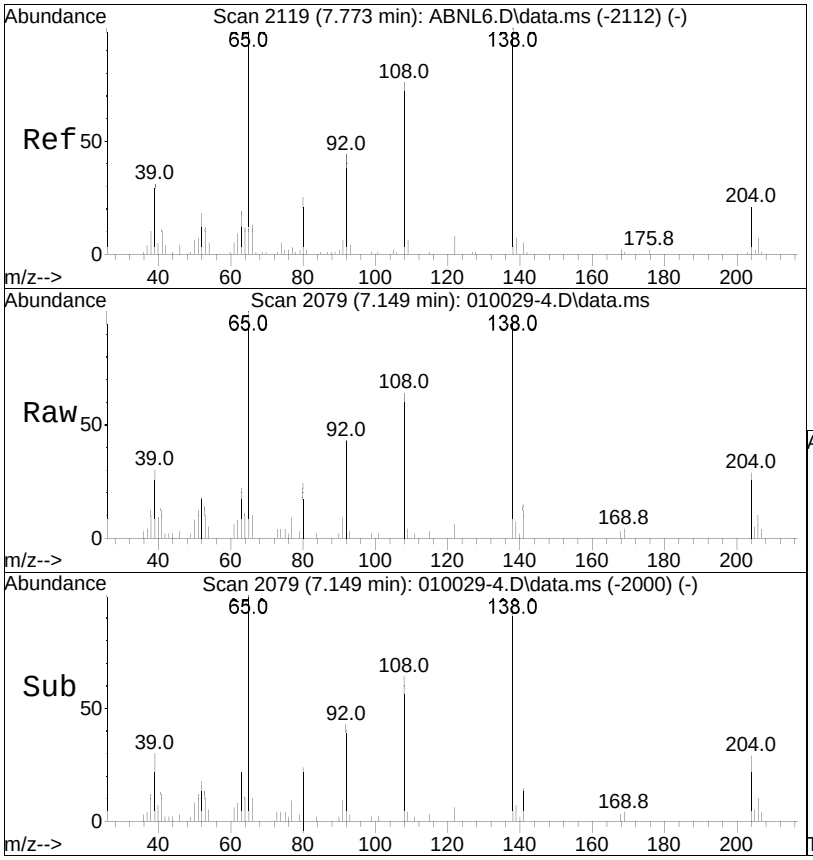


#76
4-Chlorophenyl phenyl ether
Concen: 1.40 ug/ml
RT: 7.139 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:204 Resp: 18107

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.8	38.6
141	52.5	53.6	80.4#

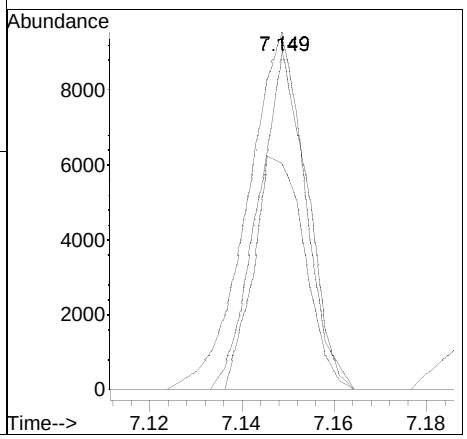


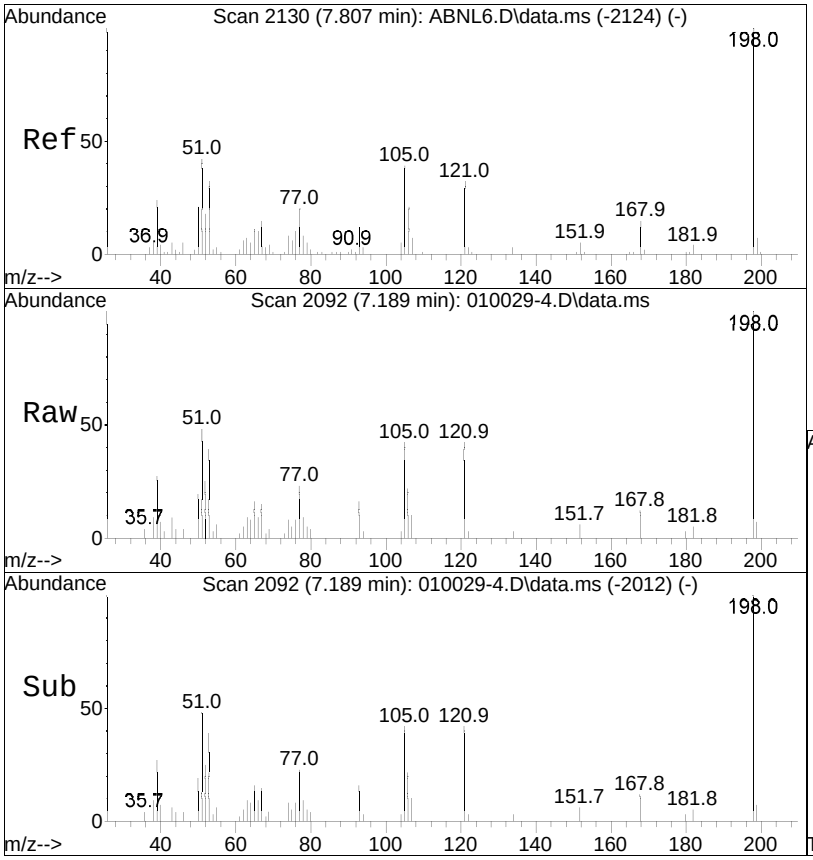


#77
4-Nitroaniline
Concen: 1.38 ug/ml
RT: 7.149 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:138 Resp: 6723

Ion	Ratio	Lower	Upper
138	100		
108	71.2	52.1	78.1
65	122.8	115.0	172.6

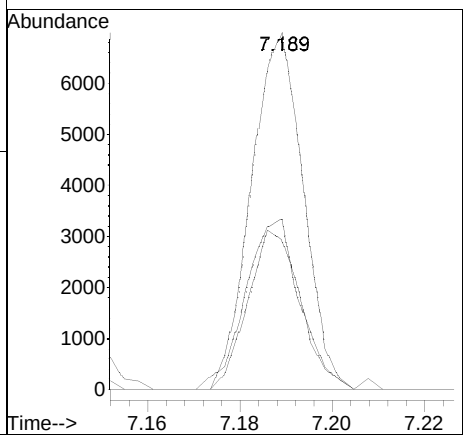


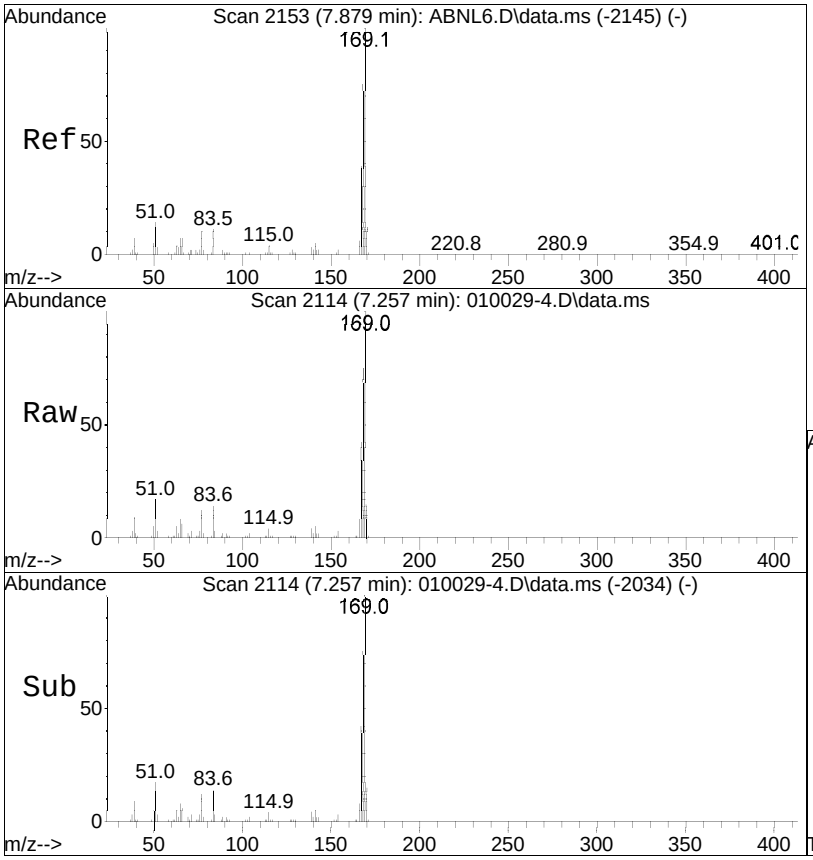


#78
4,6-Dinitro-o-cresol
Concen: 1.42 ug/ml
RT: 7.189 min Scan# 2092
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:198 Resp: 5433

Ion	Ratio	Lower	Upper
198	100		
51	50.3	76.0	114.0#
105	45.4	45.6	68.4#

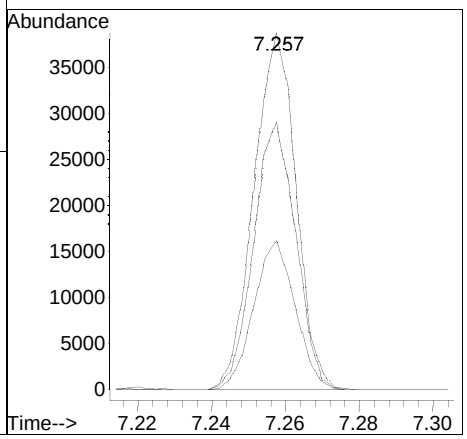


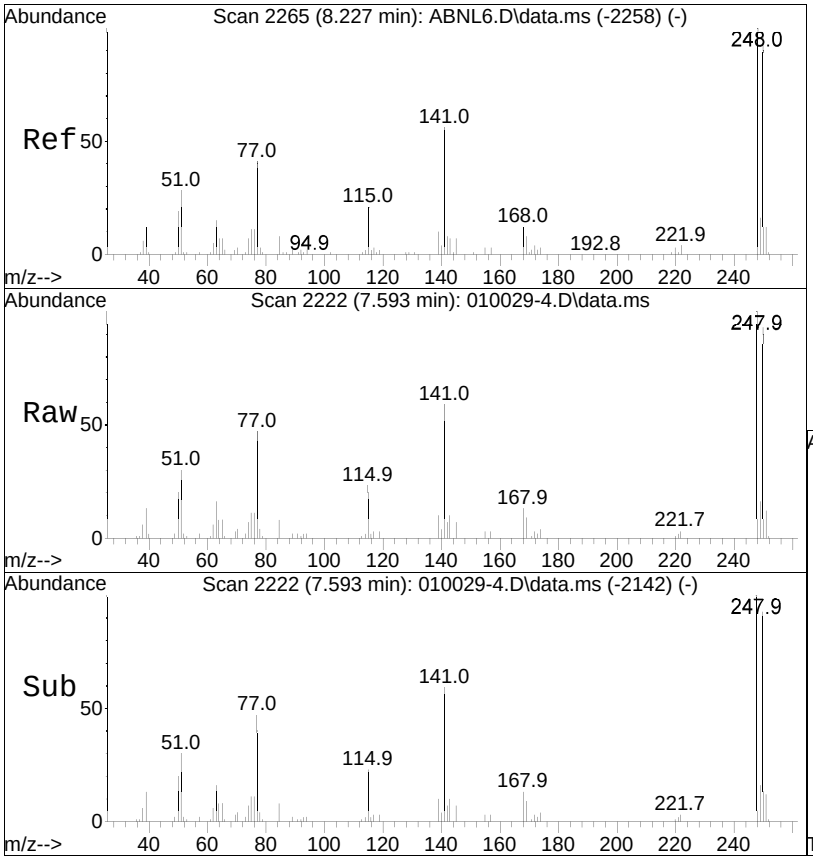


#79
NDPA/DPA
Concen: 1.40 ug/ml
RT: 7.257 min Scan# 2114
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:169 Resp: 30667

Ion	Ratio	Lower	Upper
169	100		
168	74.9	54.0	81.0
167	41.3	28.6	42.8

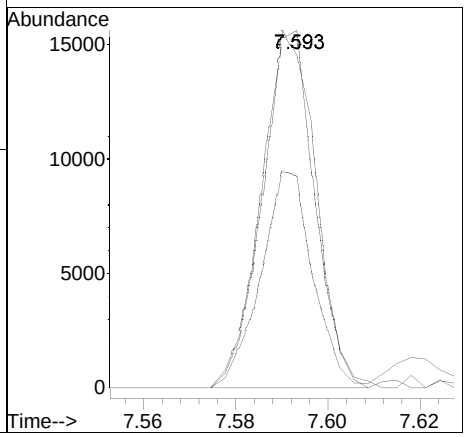


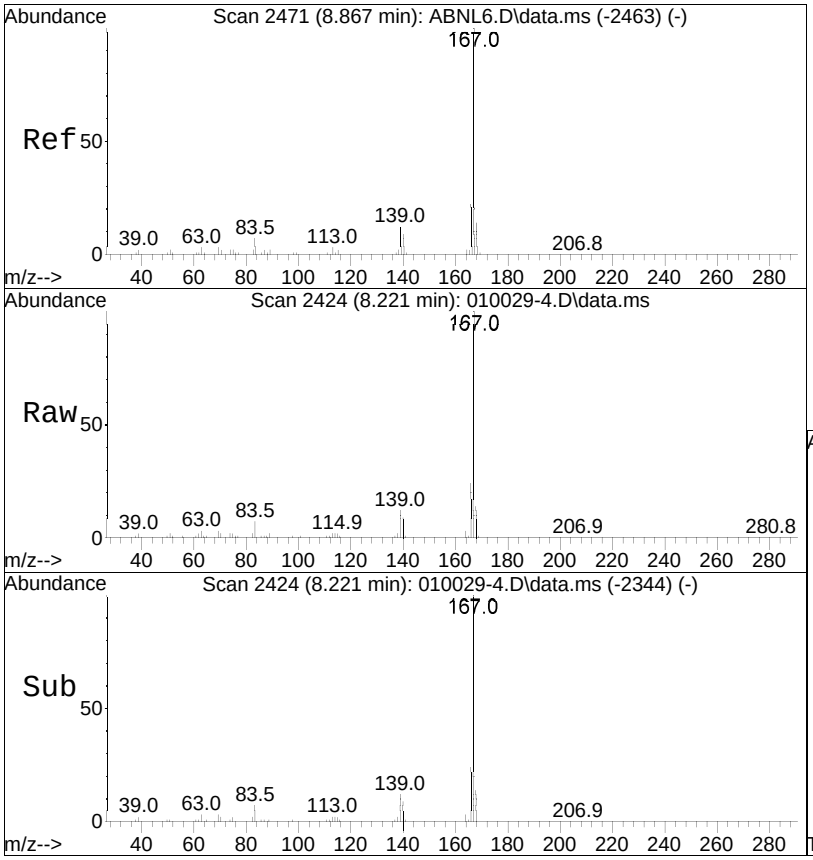


#82
4-Bromophenyl phenyl ether
Concen: 1.46 ug/ml
RT: 7.593 min Scan# 2222
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:248 Resp: 12472

Ion	Ratio	Lower	Upper
248	100		
141	59.5	76.6	114.8#
250	100.8	77.3	115.9

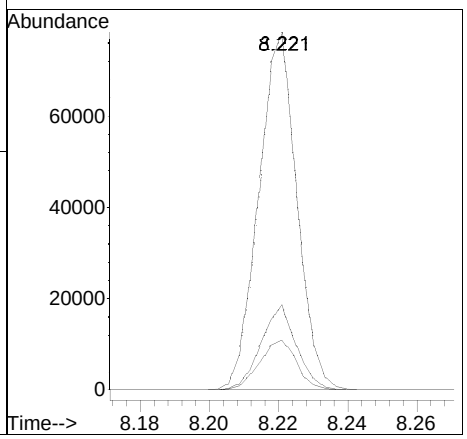


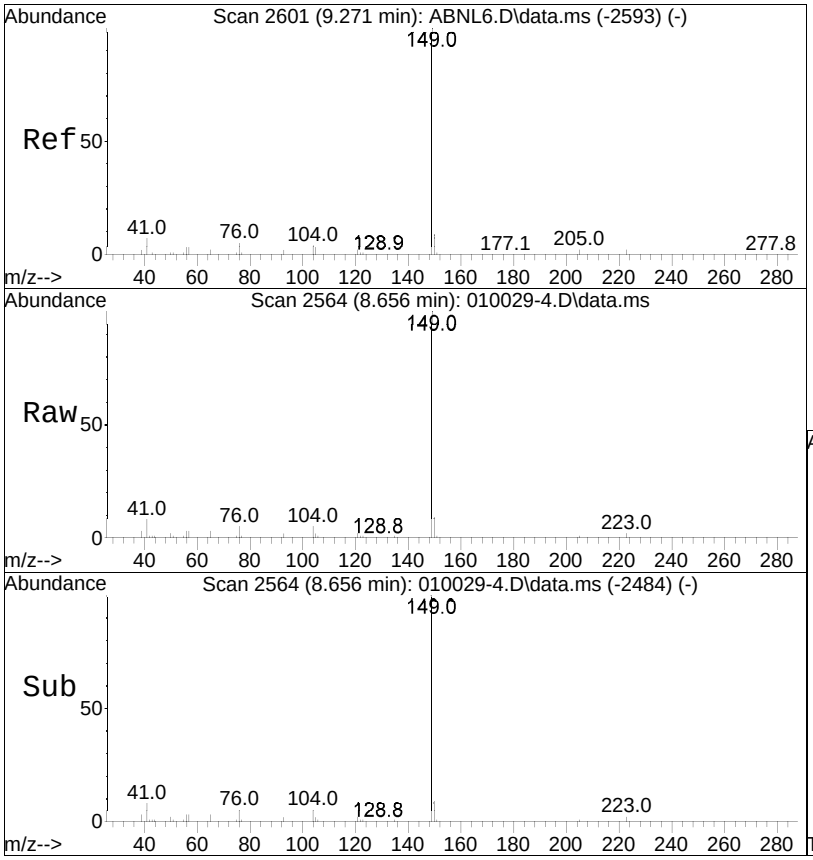


#93
Carbazole
Concen: 1.59 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:167 Resp: 59454

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.1	17.4	26.0

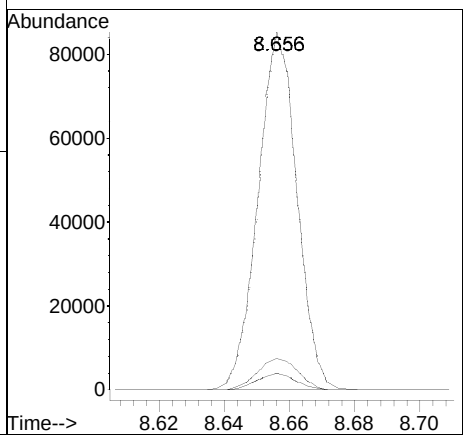


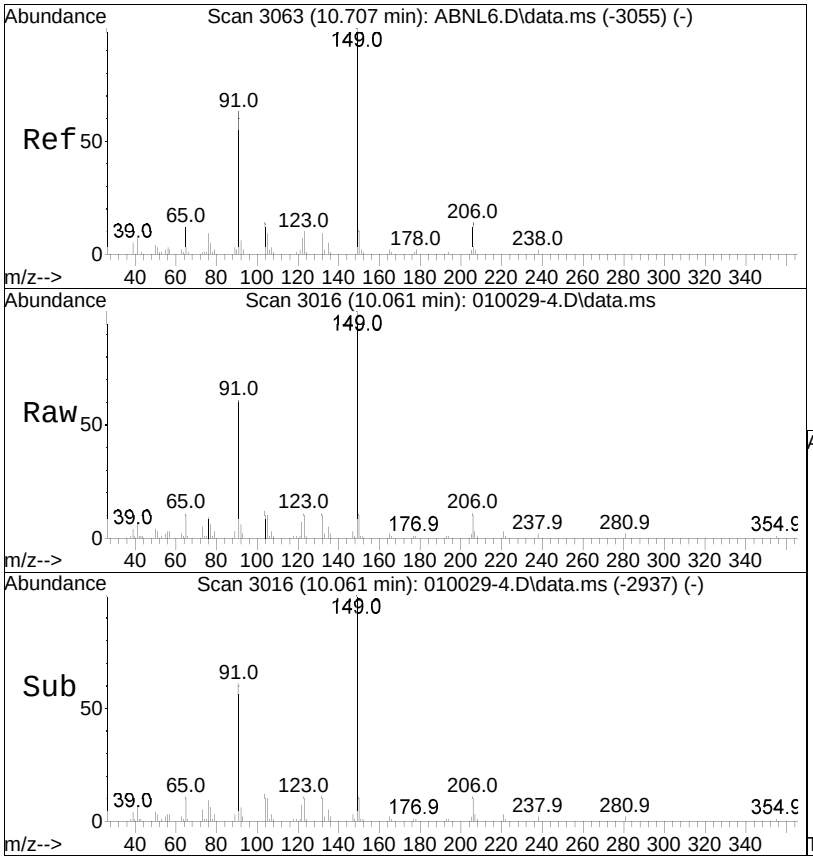


#94
Di-n-butylphthalate
Concen: 1.65 ug/ml
RT: 8.656 min Scan# 2564
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:149 Resp: 69806

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.6	4.5	6.7

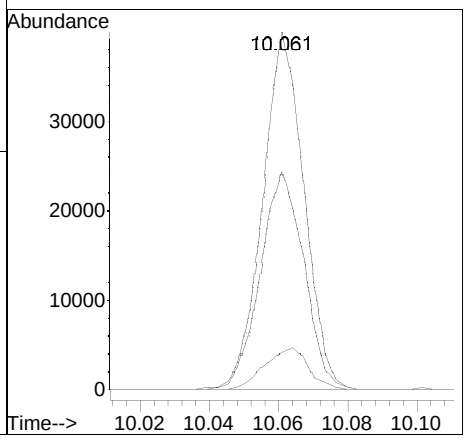


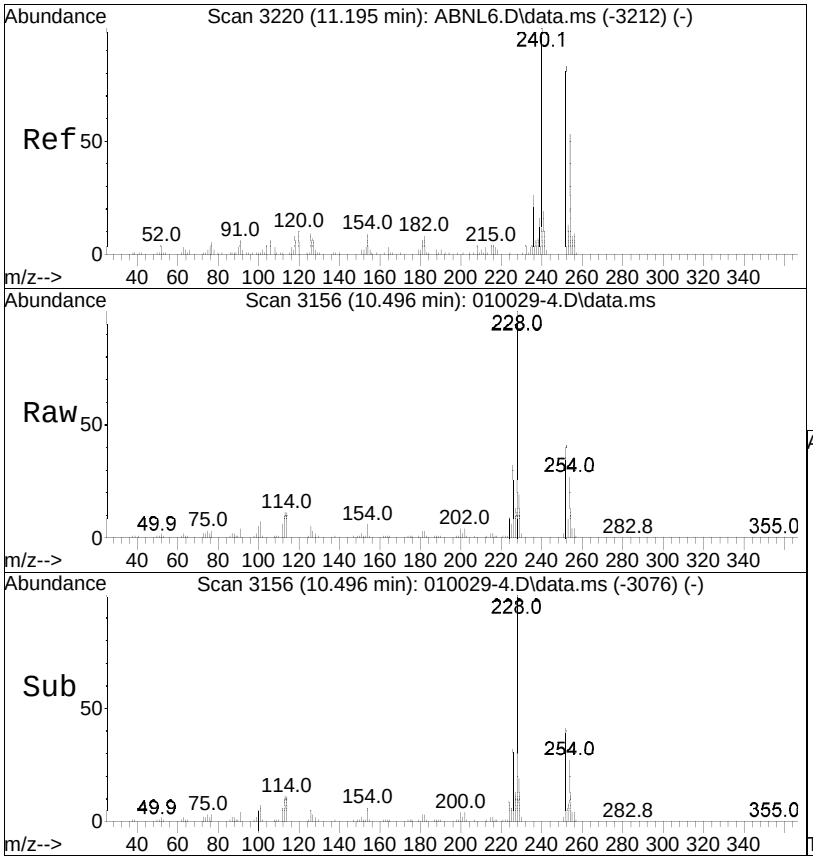


#99
Butyl benzyl phthalate
Concen: 1.81 ug/ml
RT: 10.061 min Scan# 3016
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:149 Resp: 32805

Ion	Ratio	Lower	Upper
149	100		
91	64.4	63.3	94.9
206	12.4	13.9	20.9#

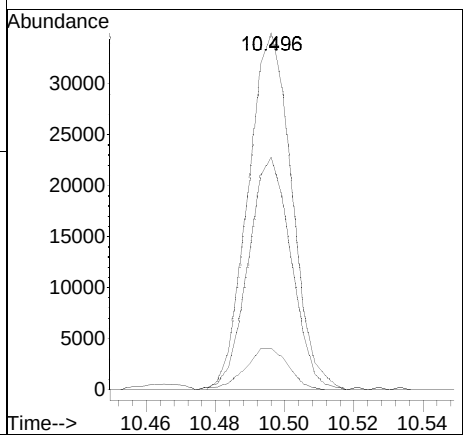


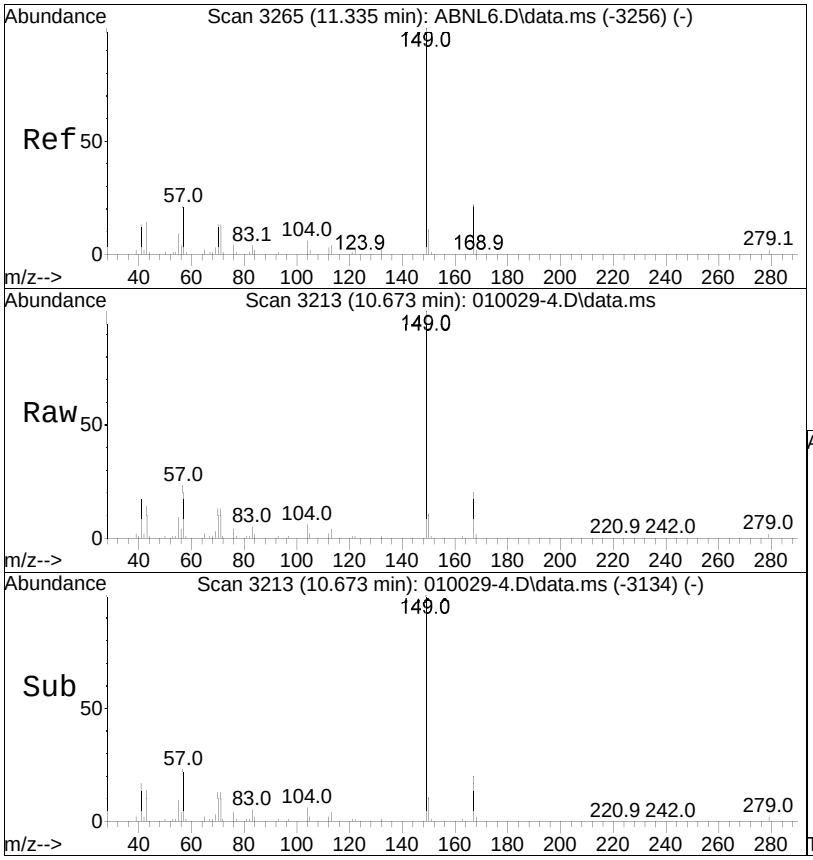


#108
3,3'-Dichlorobenzidine
Concen: 1.55 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:252 Resp: 30592

Ion	Ratio	Lower	Upper
252	100		
126	11.7	14.5	21.7#
254	64.1	51.2	76.8

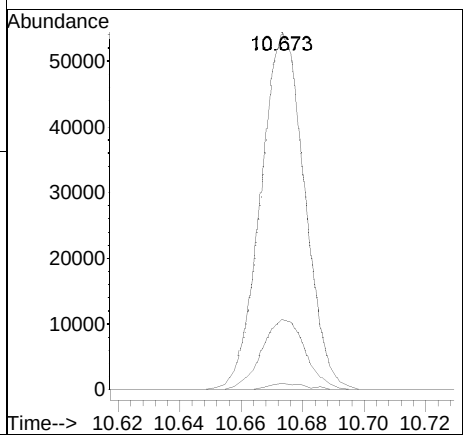


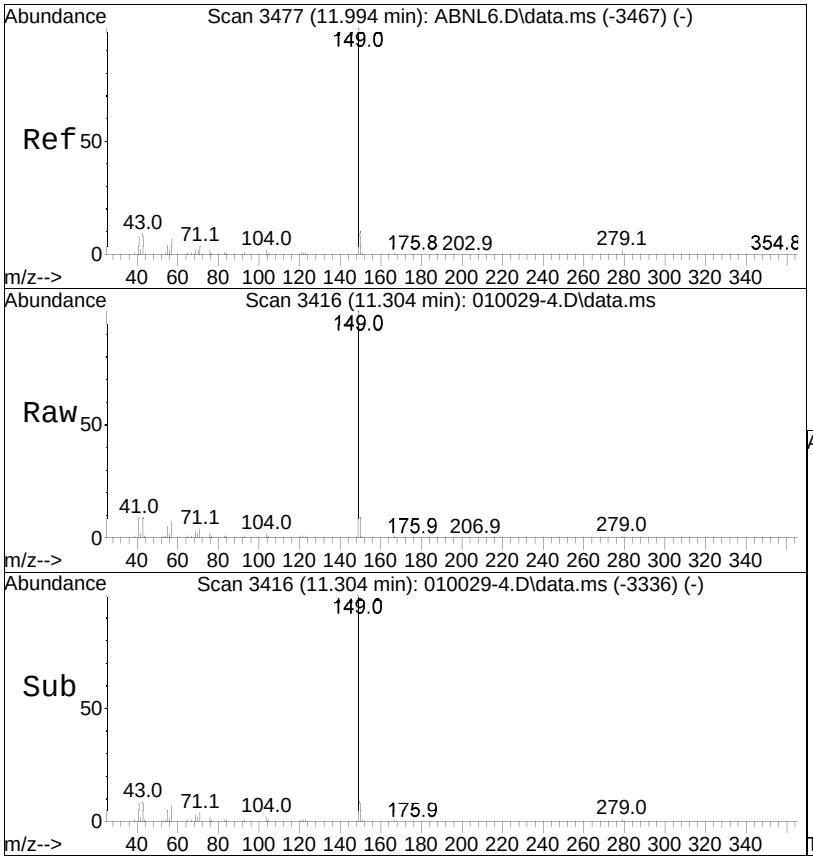


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.88 ug/ml
RT: 10.673 min Scan# 3213
Delta R.T. -0.003 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:149 Resp: 53405

Ion	Ratio	Lower	Upper
149	100		
167	19.6	22.1	33.1#
279	1.3	3.0	4.4#

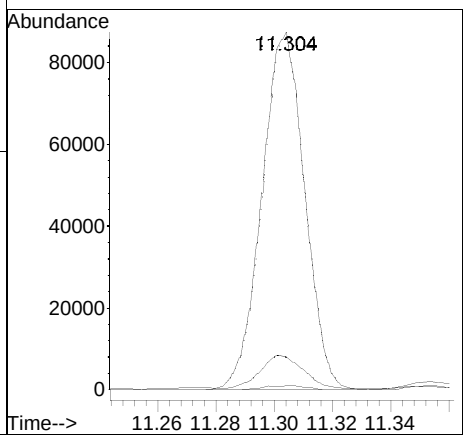




#111
Di-n-octylphthalate
Concen: 1.86 ug/ml
RT: 11.304 min Scan# 3416
Delta R.T. 0.000 min
Lab File: 010029-4.D
Acq: 18 Dec 2024 2:37 am

Tgt Ion:149 Resp: 88046

Ion	Ratio	Lower	Upper
149	100		
43	9.8	18.8	28.2#
167	1.1	1.3	1.9#



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 010029-4.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 2:37 am	Instrument	: Dakota
Sample	: WG2010029-4,32,,ASK	Quant Date	: 12/18/2024 2:55 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-4.D
Acq On : 19 Dec 2024 3:02 pm
Operator : SV106:smz
Sample : WG2011033-4,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 15:20:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.639	152	52978	4.000	ug/ml	0.00
Standard Area 1 = 59785			Recovery = 88.61%			
27) IS2_1,4-Dichlorobenzen...	6.639	152	52978	4.000	ug/ml	0.00
Standard Area 3 = 57436			Recovery = 92.24%			
35) IS1_Naphthalene-d8	8.045	136	202291	4.000	ug/ml	0.00
Standard Area 1 = 236263			Recovery = 85.62%			
55) IS2_Naphthalene-d8	8.045	136	202291	4.000	ug/ml	0.00
Standard Area 3 = 223802			Recovery = 90.39%			
63) IS1_Acenaphthene-d10	9.804	164	119828	4.000	ug/ml	0.00
Standard Area 1 = 135584			Recovery = 88.38%			
83) IS2_Acenaphthene-d10	9.804	164	119828	4.000	ug/ml	0.00
Standard Area 3 = 135210			Recovery = 88.62%			
86) IS3_Acenaphthene-d10	9.804	164	119828	4.000	ug/ml	0.00
Standard Area 2 = 151712			Recovery = 78.98%			
88) IS1_Phenanthrene-d10	11.245	188	222513	4.000	ug/ml	0.00
Standard Area 1 = 265683			Recovery = 83.75%			
100) IS3_Phenanthrene-d10	11.245	188	222513	4.000	ug/ml	0.00
Standard Area 2 = 298371			Recovery = 74.58%			
104) IS1_Chrysene-d12	13.904	240	272356	4.000	ug/ml	0.00
Standard Area 1 = 288586			Recovery = 94.38%			
113) IS1_Perylene-d12	15.380	264	314356	4.000	ug/ml	0.00
Standard Area 1 = 335704			Recovery = 93.64%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	17595	1.067	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.35%			
7) Phenol-d6	6.269	99	15209	0.767	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.35%			
19) Nitrobenzene-d5	7.281	82	12415	0.690	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.00%			
46) 2-Fluorobiphenyl	9.163	172	32514	0.694	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.40%			
79) 2,4,6-Tribromophenol	10.574	330	10339	1.525	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 76.25%			
96) 4-Terphenyl-d14	12.833	244	48827	0.818	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.80%			

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-4.D
Acq On : 19 Dec 2024 3:02 pm
Operator : SV106:smz
Sample : WG2011033-4,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 15:20:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.369	74	10537	1.047	ug/ml#	59
3) Pyridine	2.457	79	5944	0.368	ug/ml#	59
5) Aniline	6.239	93	20876	0.890	ug/ml	94
6) 2-Chlorophenol	6.381	128	24335	1.346	ug/ml#	85
8) Phenol	6.281	94	80181	3.894	ug/ml	94
9) Bis(2-chloroethyl)ether	6.363	93	22411	1.322	ug/ml	96
10) 1,3-Dichlorobenzene	6.563	146	25565	1.157	ug/ml	94
11) 1,4-Dichlorobenzene	6.657	146	27855	1.237	ug/ml	99
12) 1,2-Dichlorobenzene	6.833	146	26992	1.250	ug/ml	97
13) Benzyl alcohol	6.839	79	15943	1.135	ug/ml	97
14) Bis(2-chloroisopropyl)...	7.010	45	23777	0.892	ug/ml#	1
15) 2-Methylphenol	7.004	108	36322	2.441	ug/ml	97
17) n-Nitrosodi-n-propylamine	7.157	70	16742	1.344	ug/ml	100
18) 3-Methylphenol/4-Methy...	7.181	108	32426	1.998	ug/ml	98
20) Nitrobenzene	7.304	77	28051	1.525	ug/ml	95
21) Isophorone	7.580	82	44599	1.394	ug/ml#	96
22) 2-Nitrophenol	7.657	139	13759	1.458	ug/ml#	84
23) 2,4-Dimethylphenol	7.751	107	48098	3.247	ug/ml	95
24) Bis(2-chloroethoxy)met...	7.839	93	30598	1.431	ug/ml	98
25) 2,4-Dichlorophenol	7.916	162	24711	1.493	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.998	180	25666	1.338	ug/ml	99
28) Benzaldehyde	6.081	105	29180	2.325	ug/ml#	68
29) Acetophenone	7.122	105	38560	1.592	ug/ml#	78
37) Benzoic Acid	7.816	105	12290	2.122	ug/ml#	84
38) 4-Chloroaniline	8.145	65	7385	1.153	ug/ml	89
40) p-Chloro-m-cresol	8.669	107	26431	1.764	ug/ml	97
43) Hexachlorocyclopentadiene	8.957	237	10449	0.789	ug/ml	98
44) 2,4,6-Trichlorophenol	9.075	196	20086	1.443	ug/ml	97
45) 2,4,5-Trichlorophenol	9.104	196	21427	1.487	ug/ml	99
48) 2-Nitroaniline	9.369	138	18816	1.666	ug/ml#	80
51) Dimethyl phthalate	9.569	163	73758	1.595	ug/ml	98
53) 2,6-Dinitrotoluene	9.616	165	15533	1.652	ug/ml#	70
60) Caprolactam	8.492	55	5767	0.777	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	8.951	216	30950	1.523	ug/ml#	93
62) Biphenyl	9.251	154	152555	3.326	ug/ml	100
64) 3-Nitroaniline	9.774	138	15477	1.599	ug/ml#	86
66) 2,4-Dinitrophenol	9.874	184	4538	1.788	ug/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-4.D
Acq On : 19 Dec 2024 3:02 pm
Operator : SV106:smz
Sample : WG2011033-4,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 15:20:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	Dibenzofuran	10.010	168	310159	5.531	ug/ml	96
68)	2,4-Dinitrotoluene	10.004	165	22720	1.809	ug/ml#	85
69)	4-Nitrophenol	9.957	65	6203	0.867	ug/ml#	52
71)	2,3,4,6-Tetrachlorophenol	10.139	232	17342	1.502	ug/ml	97
72)	Diethyl phthalate	10.263	149	73841	1.624	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.357	204	33632	1.496	ug/ml	92
75)	4-Nitroaniline	10.363	138	20222	2.054	ug/ml#	66
76)	4,6-Dinitro-o-cresol	10.398	198	8686	1.295	ug/ml#	56
77)	NDPA/DPA	10.469	169	62697	1.659	ug/ml#	89
78)	Azobenzene	10.504	77	54295	1.471	ug/ml#	51
80)	4-Bromophenyl phenyl e...	10.827	248	22428	1.611	ug/ml#	88
85)	Pentachloronitrobenzene	11.092	237	10889	1.881	ug/ml#	84
87)	Atrazine	11.010	200	21000	1.689	ug/ml	95
91)	Carbazole	11.486	167	637798	10.881	ug/ml	99
92)	Di-n-butylphthalate	11.868	149	138048	1.882	ug/ml	98
94)	Benzidine	12.574	184	5675	0.131	ug/ml#	69
97)	Butyl benzyl phthalate	13.357	149	66124	2.144	ug/ml#	80
102)	Parathion	12.027	109	14688	2.322	ug/ml#	91
106)	3,3'-Dichlorobenzidine	13.886	252	53809	1.744	ug/ml#	96
108)	Bis(2-ethylhexyl)phtha...	13.998	149	103446	1.835	ug/ml	93
109)	Di-n-octylphthalate	14.680	149	182740	1.955	ug/ml#	68

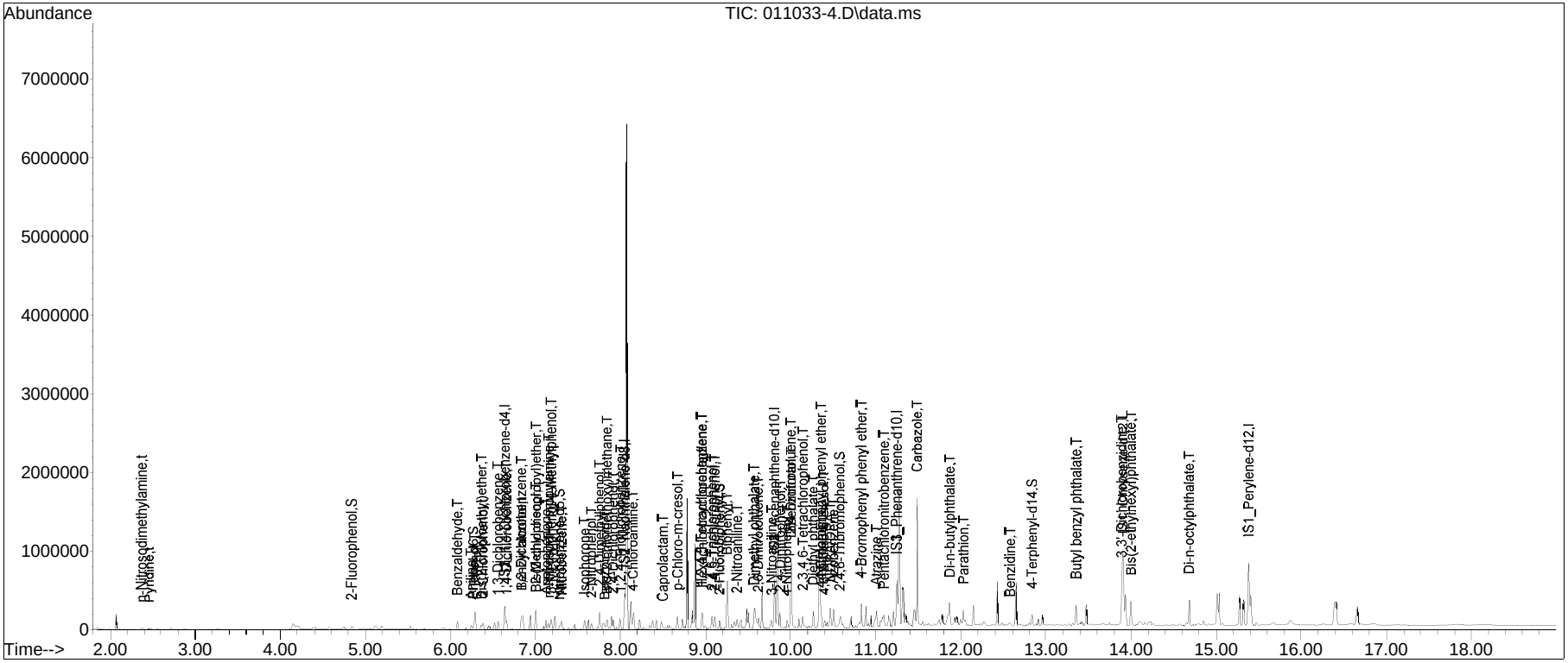
(#) = qualifier out of range (m) = manual integration (+) = signals summed

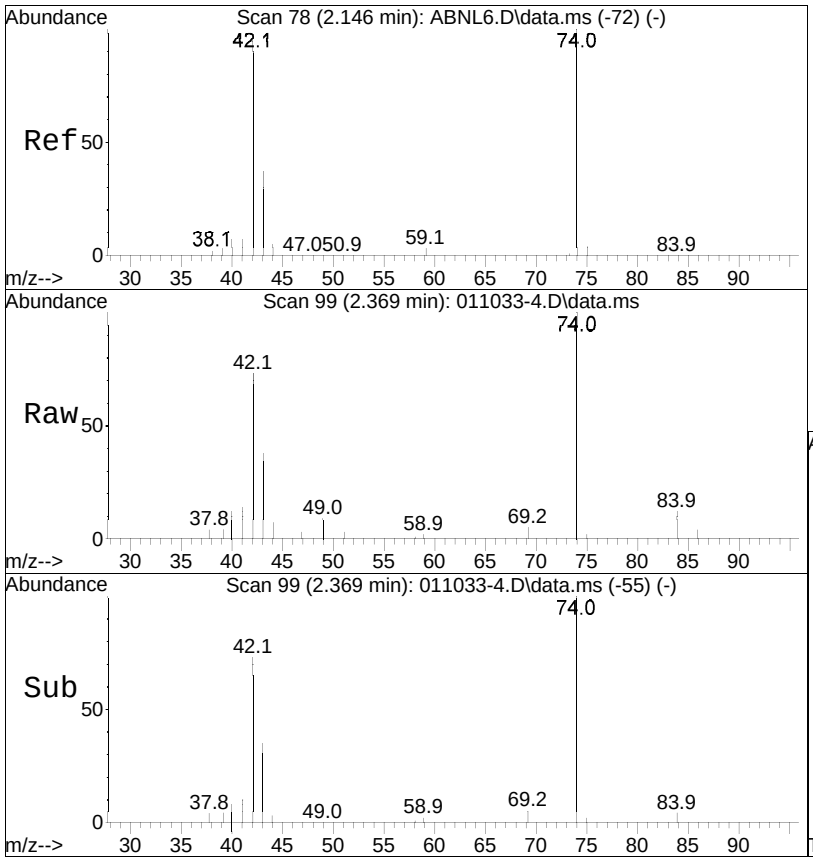
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-4.D
Acq On : 19 Dec 2024 3:02 pm
Operator : SV106:smz
Sample : WG2011033-4,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 15:20:15 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91219.D•

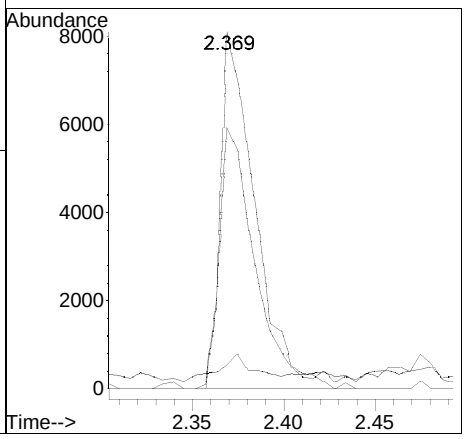


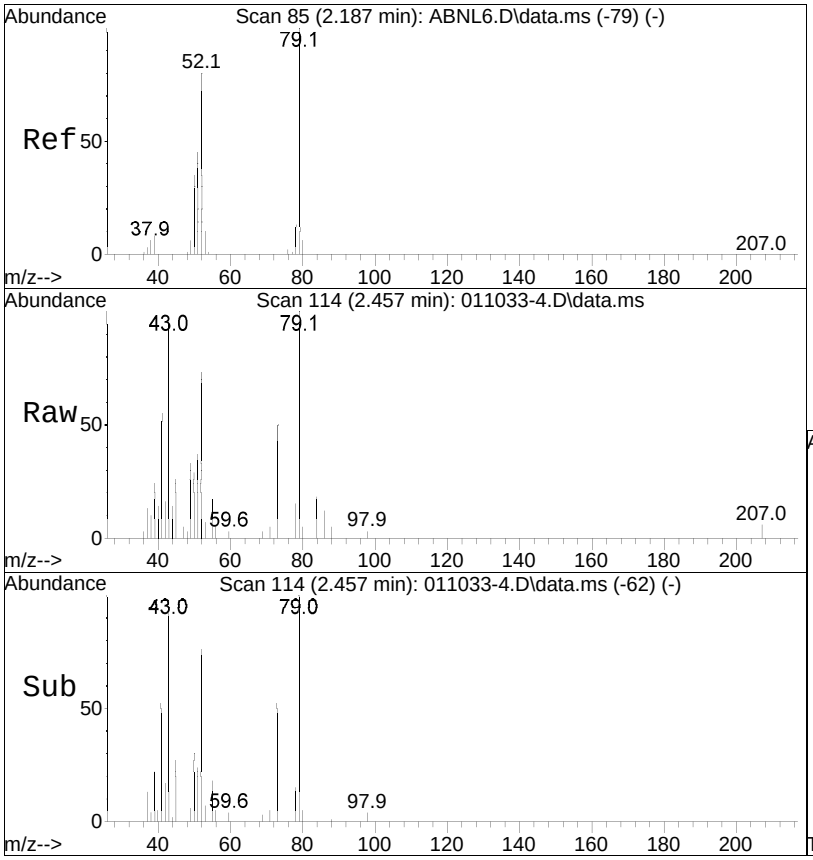


#2
n-Nitrosodimethylamine
Concen: 1.05 ug/ml
RT: 2.369 min Scan# 99
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 74 Resp: 10537

Ion	Ratio	Lower	Upper
74	100		
42	74.9	100.0	150.0#
44	7.5	6.7	10.1

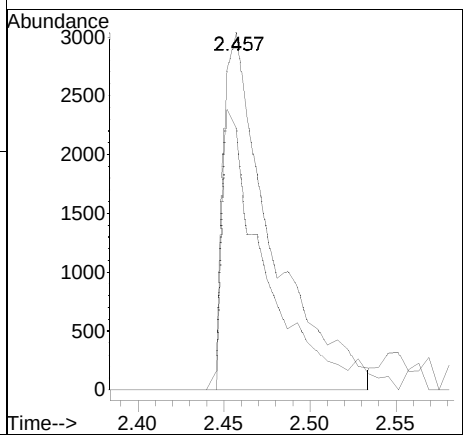


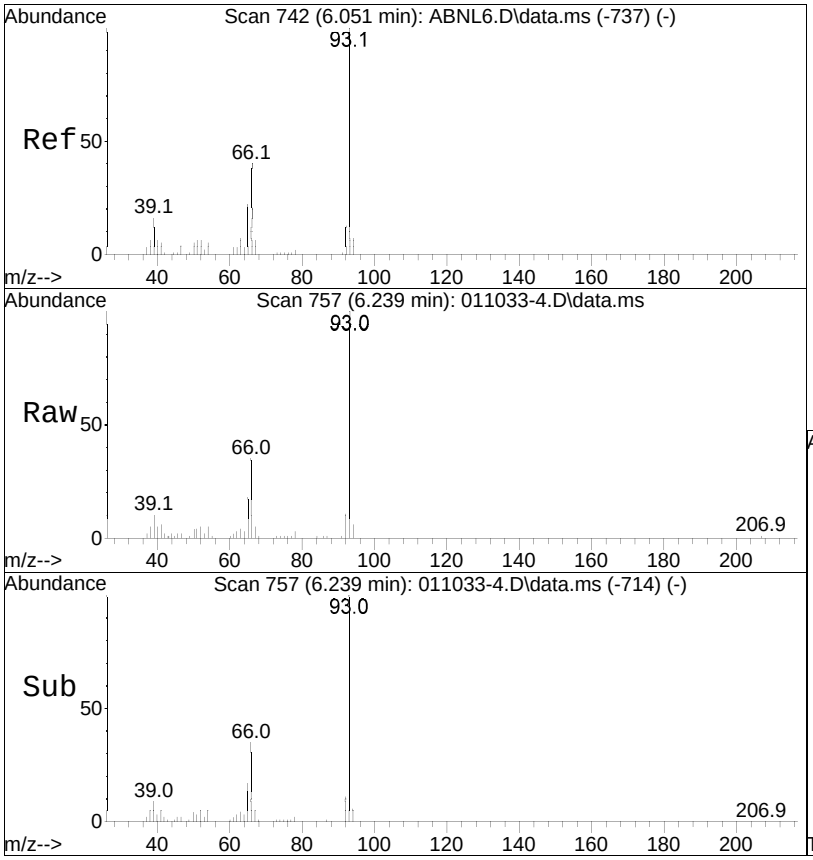


#3
Pyridine
Concen: 0.37 ug/ml
RT: 2.457 min Scan# 114
Delta R.T. 0.053 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 79 Resp: 5944

Ion	Ratio	Lower	Upper
79	100		
52	71.1	93.1	139.7#

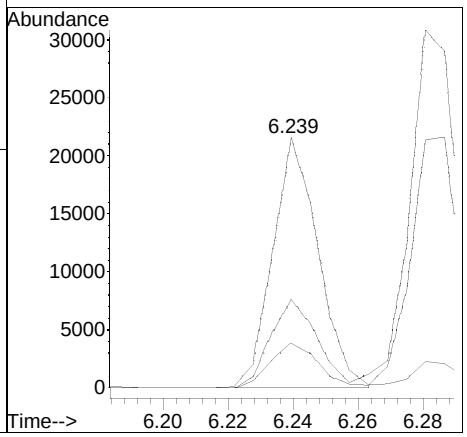


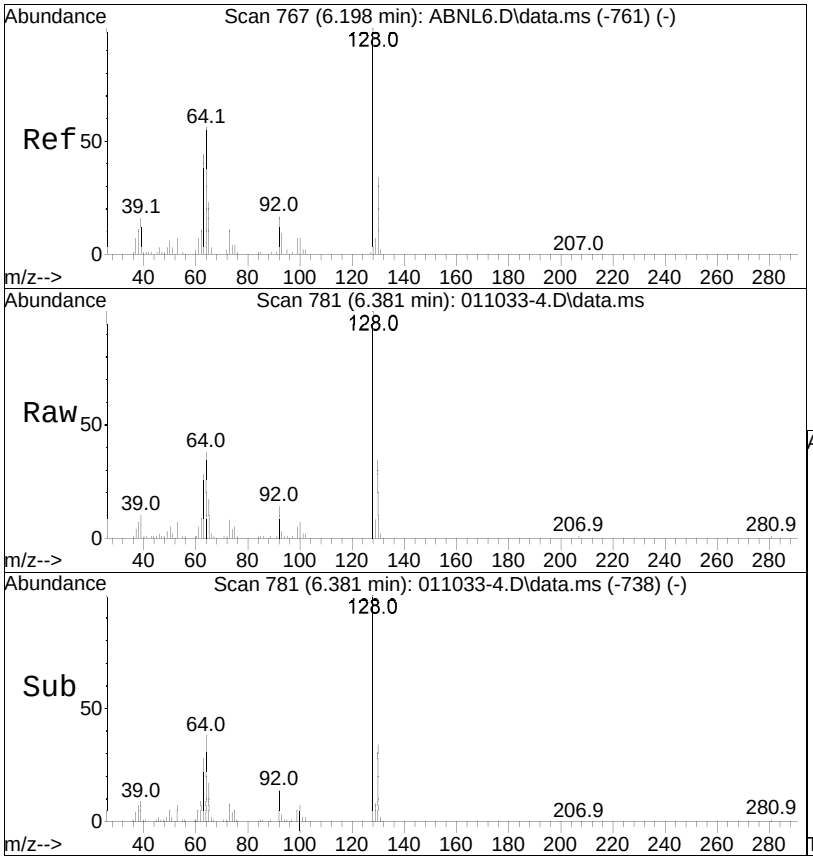


#5
Aniline
Concen: 0.89 ug/ml
RT: 6.239 min Scan# 757
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 93 Resp: 20876

Ion	Ratio	Lower	Upper
93	100		
66	36.4	32.6	49.0
65	19.5	17.6	26.4

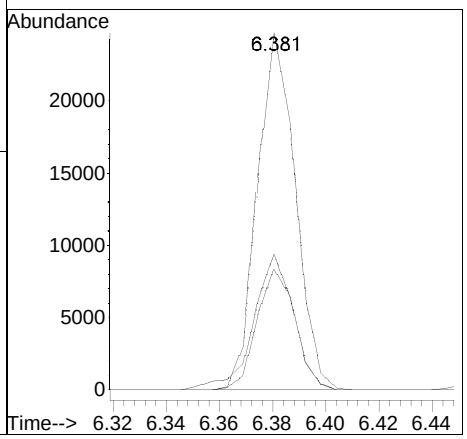


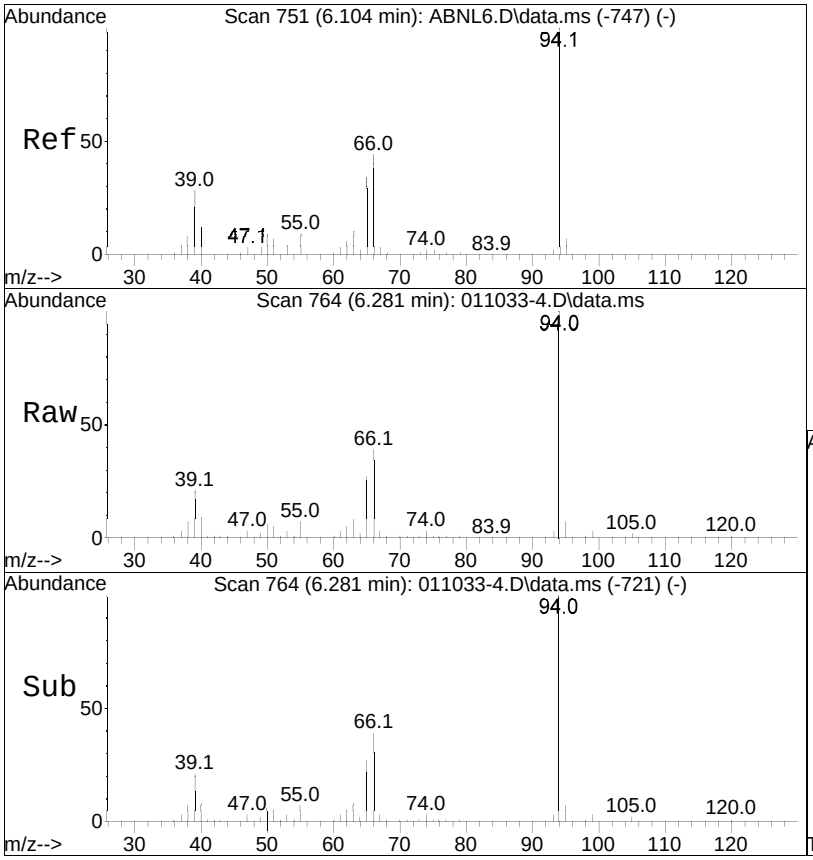


#6
2-Chlorophenol
Concen: 1.35 ug/ml
RT: 6.381 min Scan# 781
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:128 Resp: 24335

Ion	Ratio	Lower	Upper
128	100		
64	40.1	45.1	67.7#
130	34.2	26.2	39.4

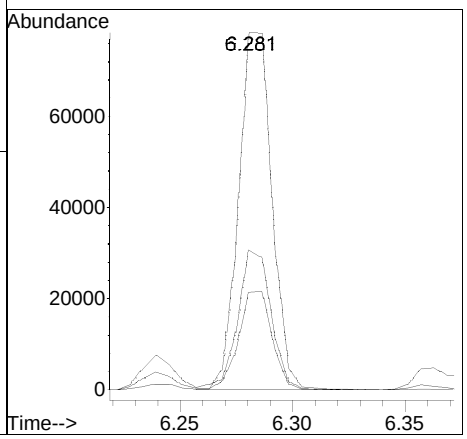


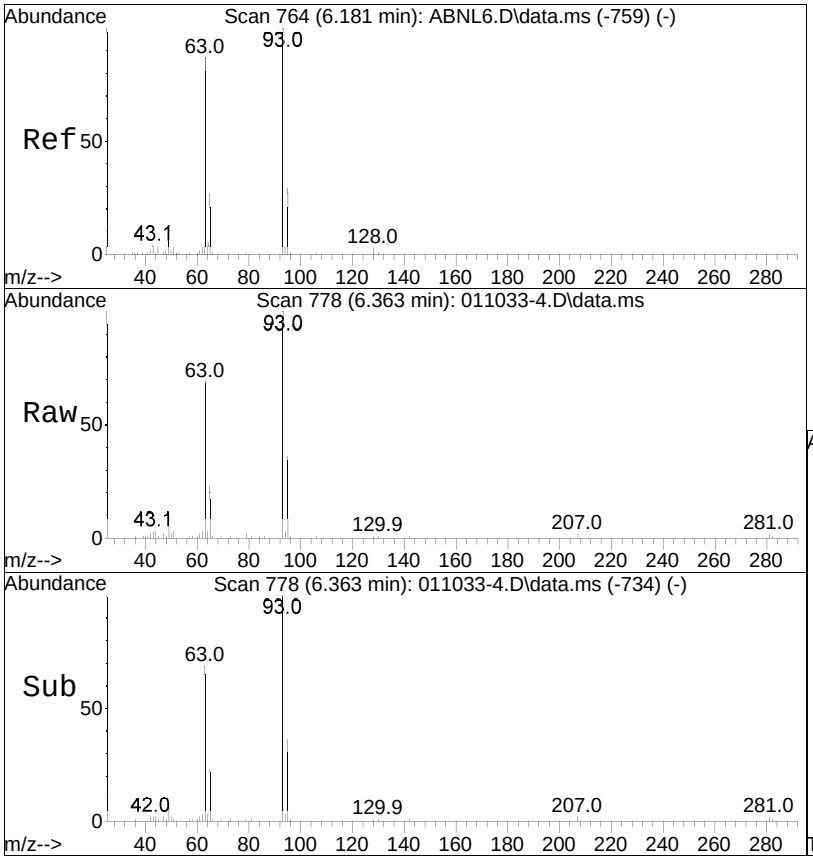


#8
Phenol
Concen: 3.89 ug/ml
RT: 6.281 min Scan# 764
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 94 Resp: 80181

Ion	Ratio	Lower	Upper
94	100		
65	27.8	26.0	39.0
66	39.2	33.8	50.8

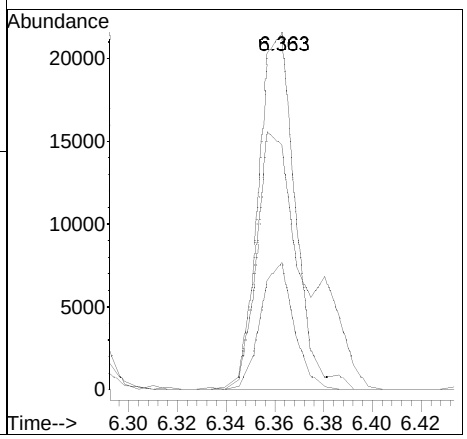


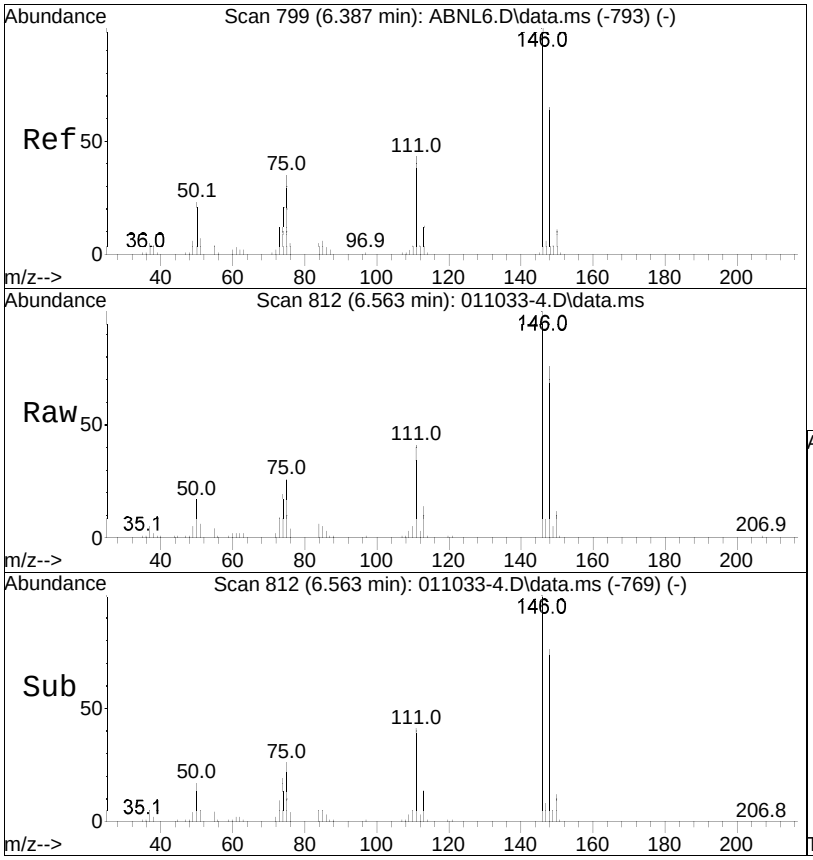


#9
Bis(2-chloroethyl)ether
Concen: 1.32 ug/ml
RT: 6.363 min Scan# 778
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 93 Resp: 22411

Ion	Ratio	Lower	Upper
93	100		
63	98.1	74.6	111.8
95	32.6	25.9	38.9

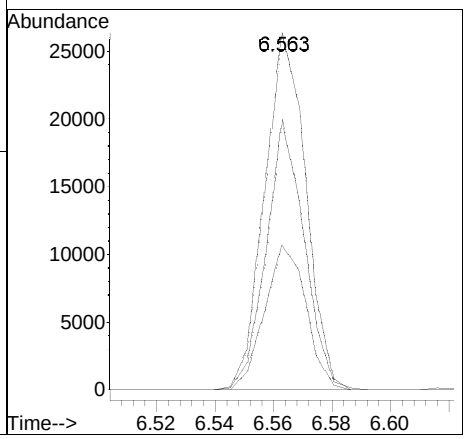


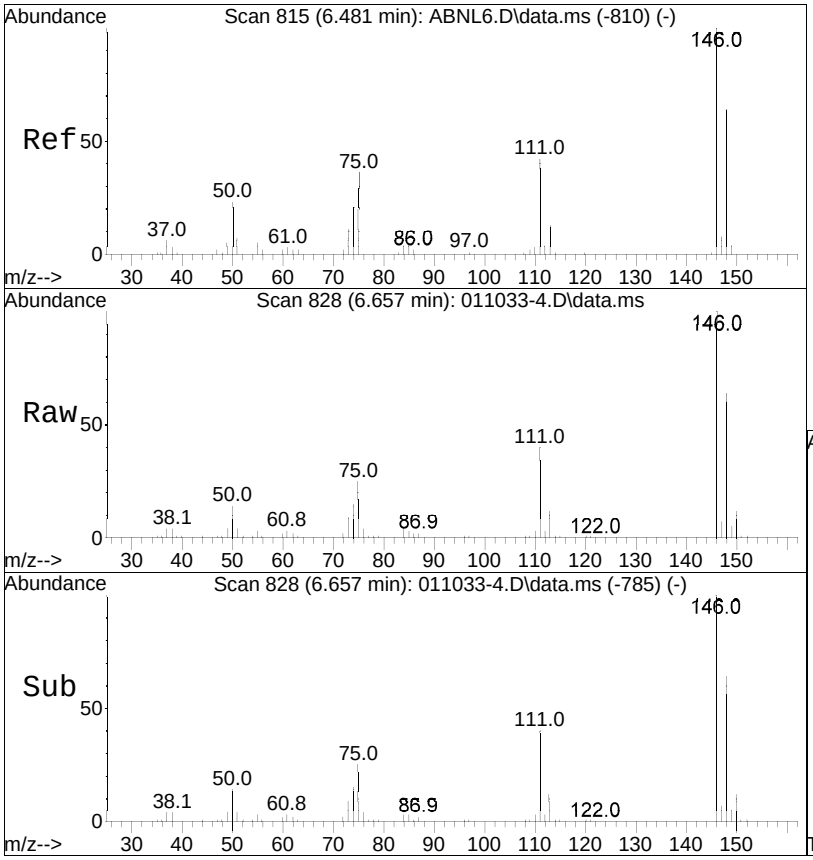


#10
1,3-Dichlorobenzene
Concen: 1.16 ug/ml
RT: 6.563 min Scan# 812
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:146 Resp: 25565

Ion	Ratio	Lower	Upper
146	100		
111	40.7	34.3	51.5
148	69.8	50.8	76.2

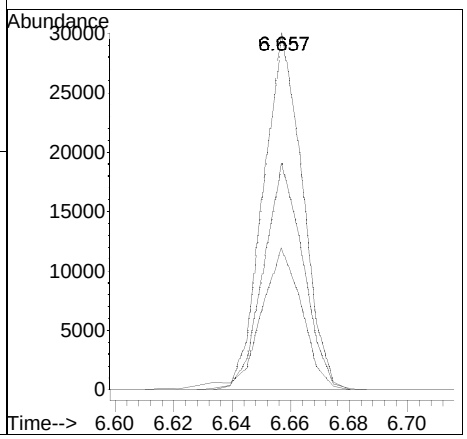


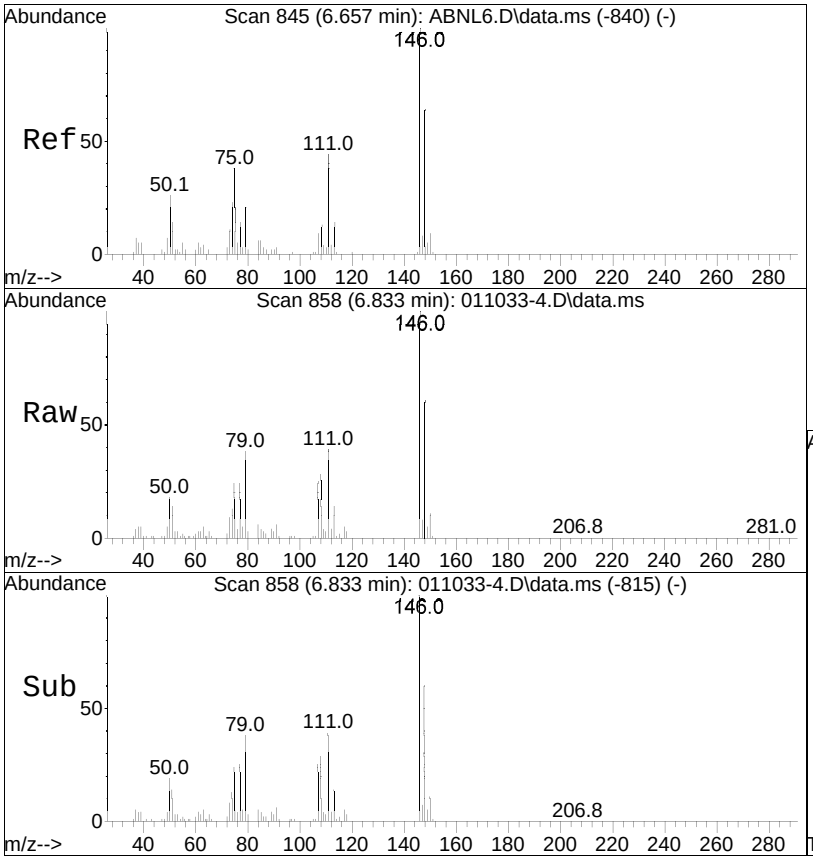


#11
1,4-Dichlorobenzene
Concen: 1.24 ug/ml
RT: 6.657 min Scan# 828
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:146 Resp: 27855

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
111	42.2	33.4	50.0

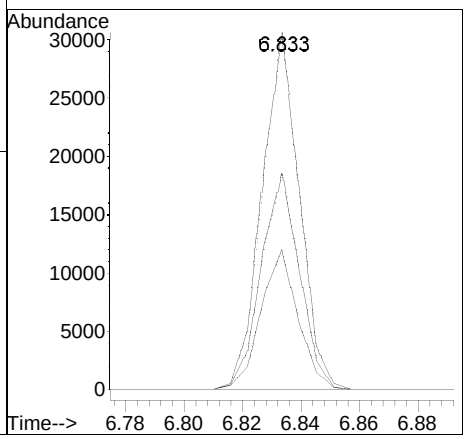


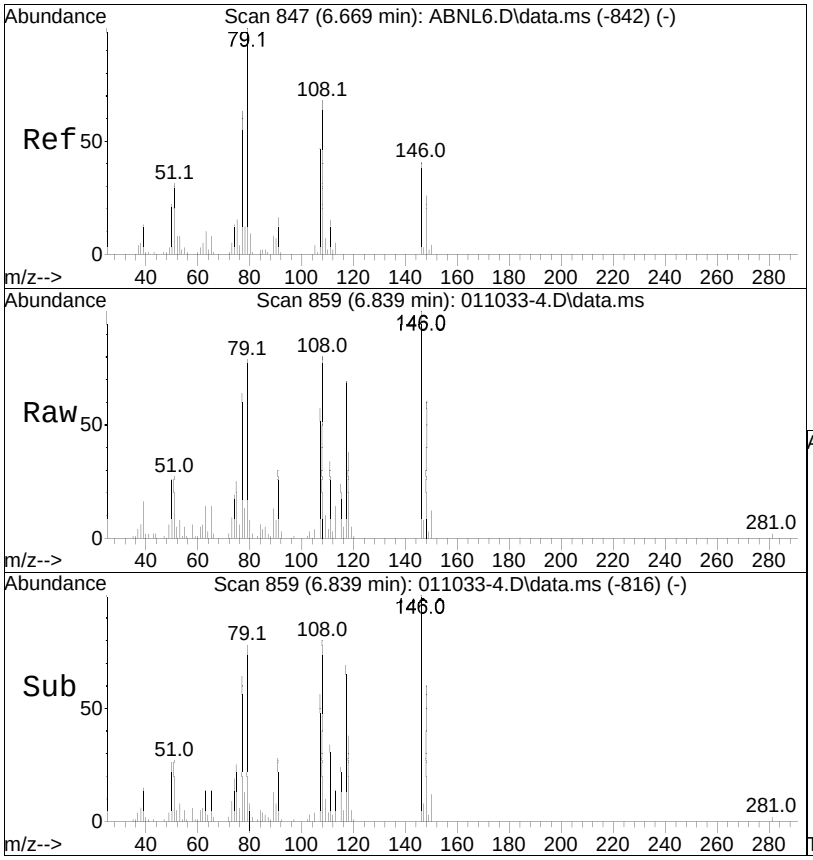


#12
1,2-Dichlorobenzene
Concen: 1.25 ug/ml
RT: 6.833 min Scan# 858
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:146 Resp: 26992

Ion	Ratio	Lower	Upper
146	100		
111	39.2	34.6	52.0
148	62.4	50.2	75.4

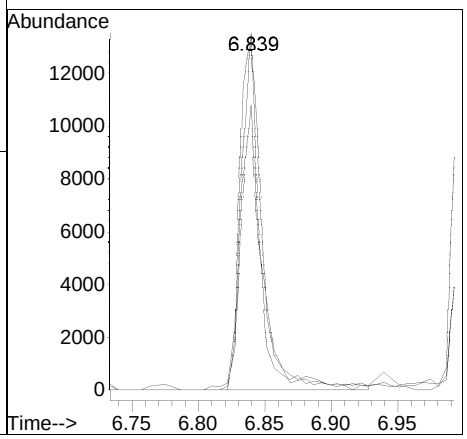


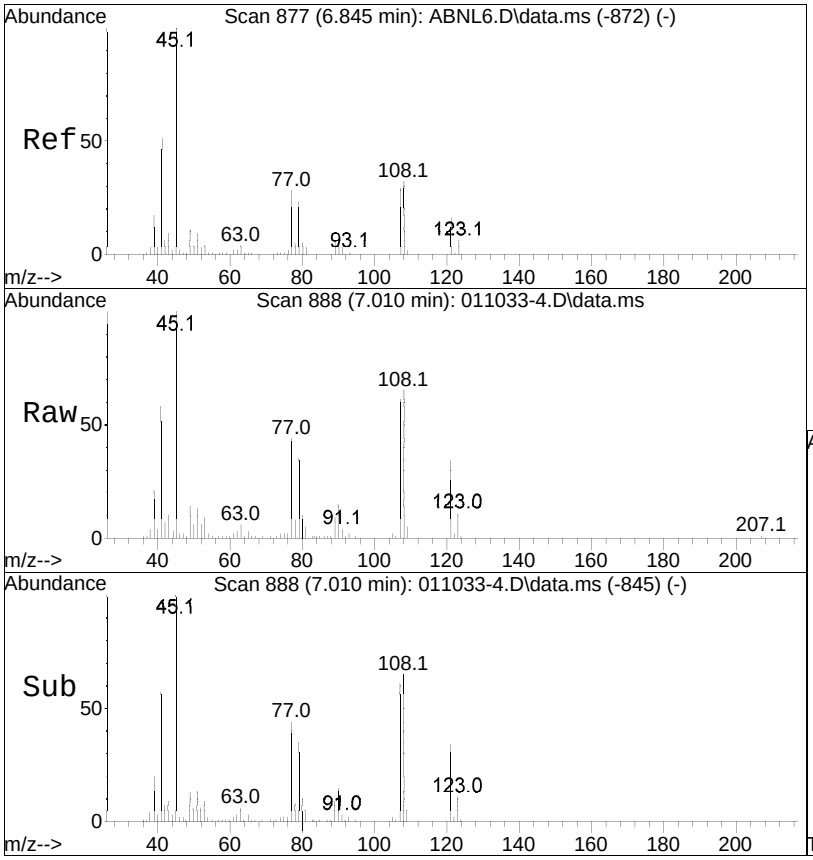


#13
Benzyl alcohol
Concen: 1.14 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 79 Resp: 15943

Ion	Ratio	Lower	Upper
79	100		
77	73.4	54.9	82.3
108	79.8	63.1	94.7

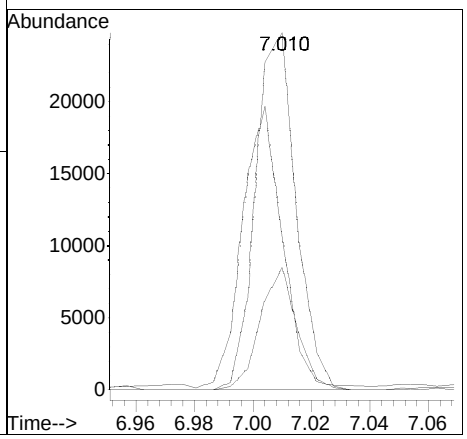


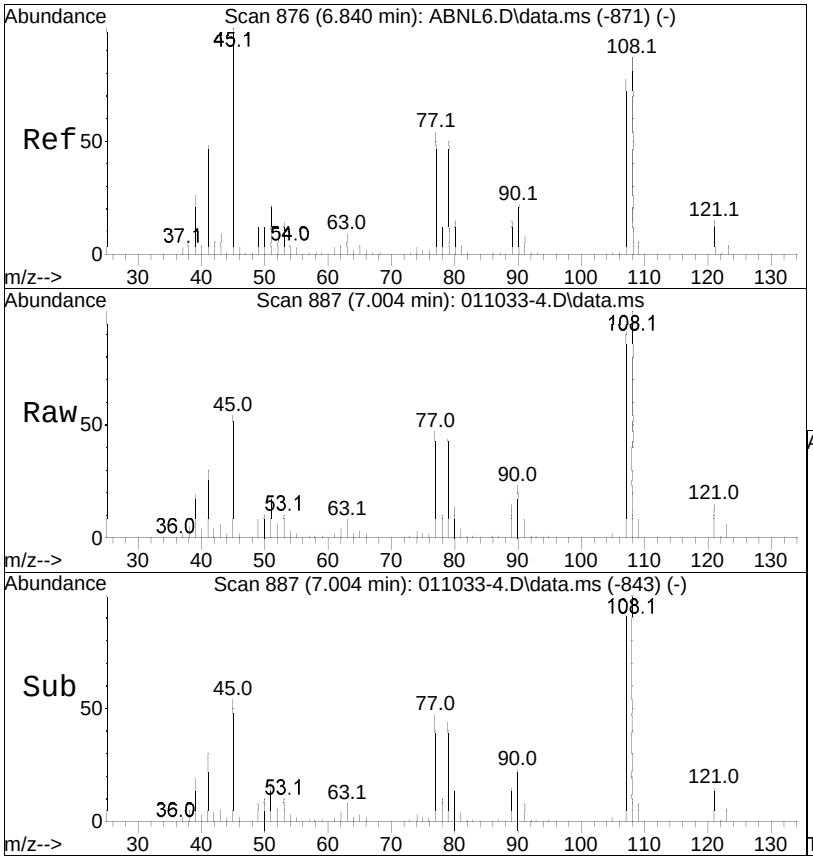


#14
Bis(2-chloroisopropyl)ether
Concen: 0.89 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 45 Resp: 23777

Ion	Ratio	Lower	Upper
45	100		
121	31.2	9.8	14.6#
77	79.0	6.1	9.1#

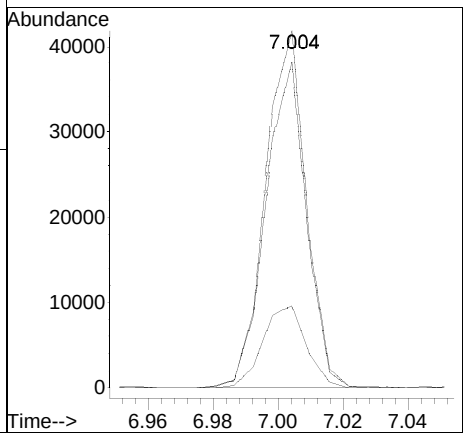


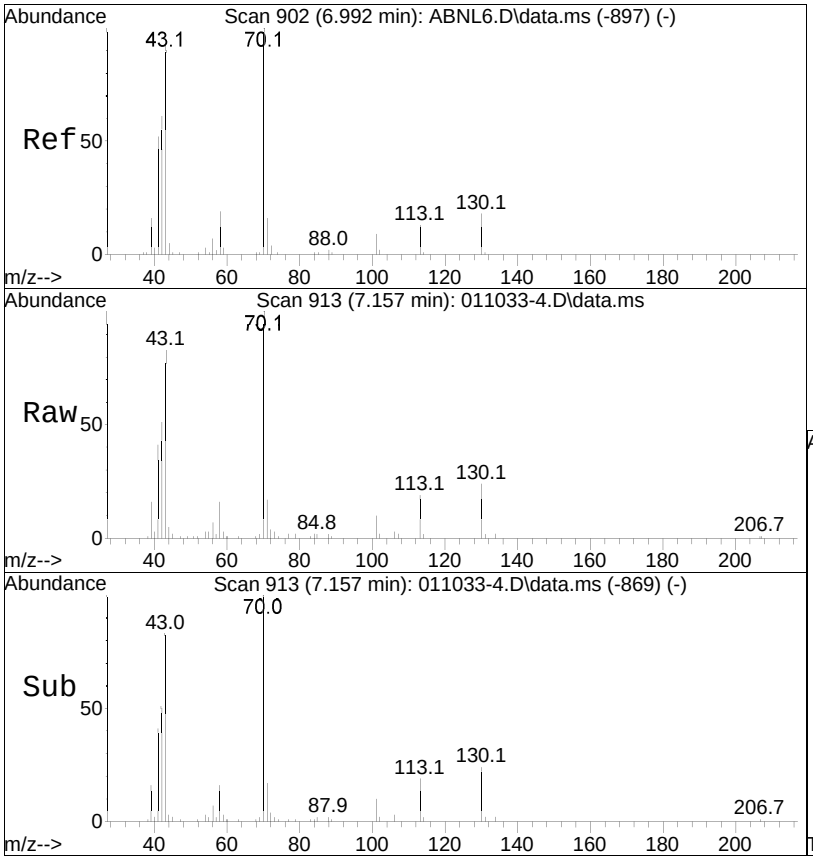


#15
2-Methylphenol
Concen: 2.44 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:108 Resp: 36322

Ion	Ratio	Lower	Upper
108	100		
107	91.3	70.7	106.1
90	24.4	18.7	28.1

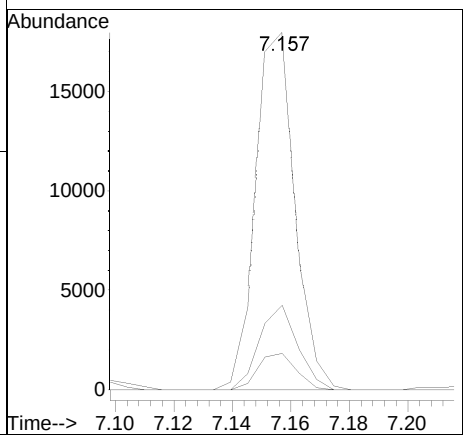


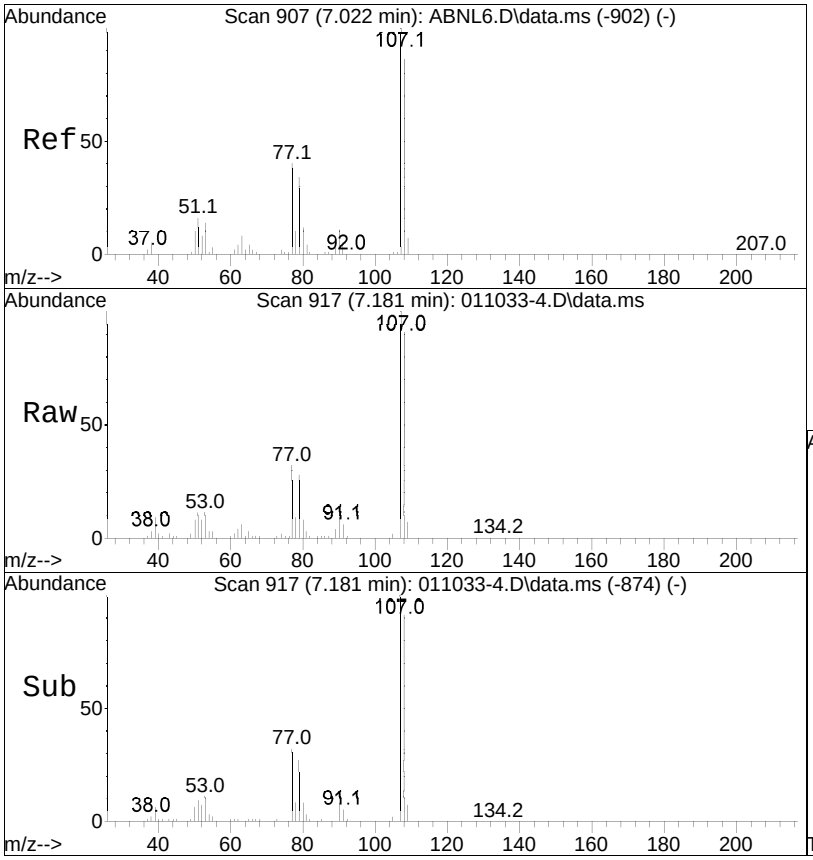


#17
n-Nitrosodi-n-propylamine
Concen: 1.34 ug/ml
RT: 7.157 min Scan# 913
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 70 Resp: 16742

Ion	Ratio	Lower	Upper
70	100		
130	23.0	18.2	27.4
101	9.9	7.8	11.8

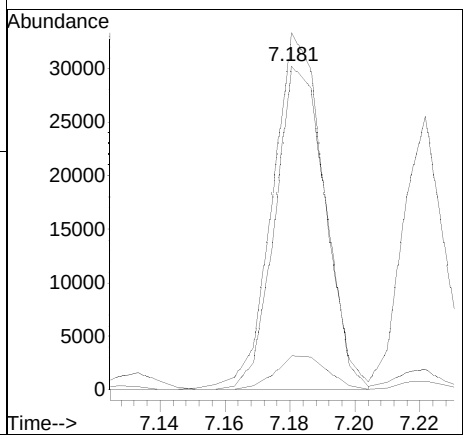


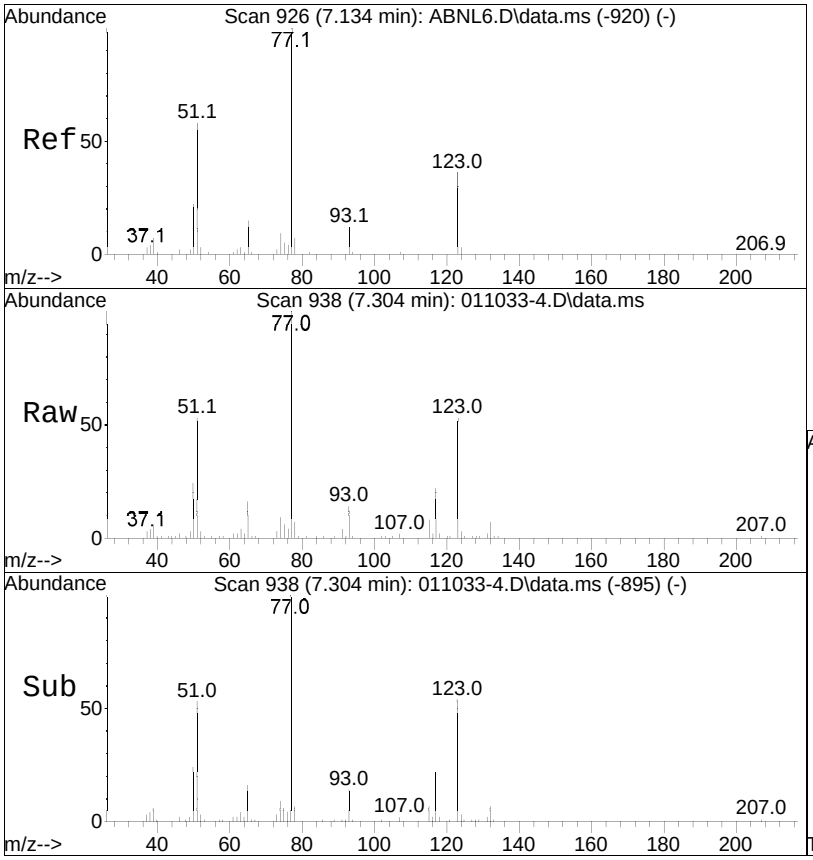


#18
3-Methylphenol/4-Methylphenol
Concen: 2.00 ug/ml
RT: 7.181 min Scan# 917
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:108 Resp: 32426

Ion	Ratio	Lower	Upper
108	100		
107	113.1	88.6	132.8
90	10.7	8.8	13.2

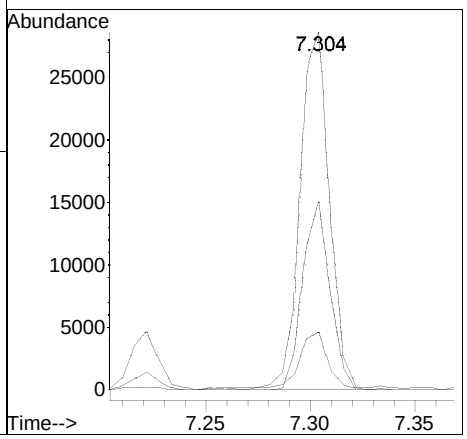


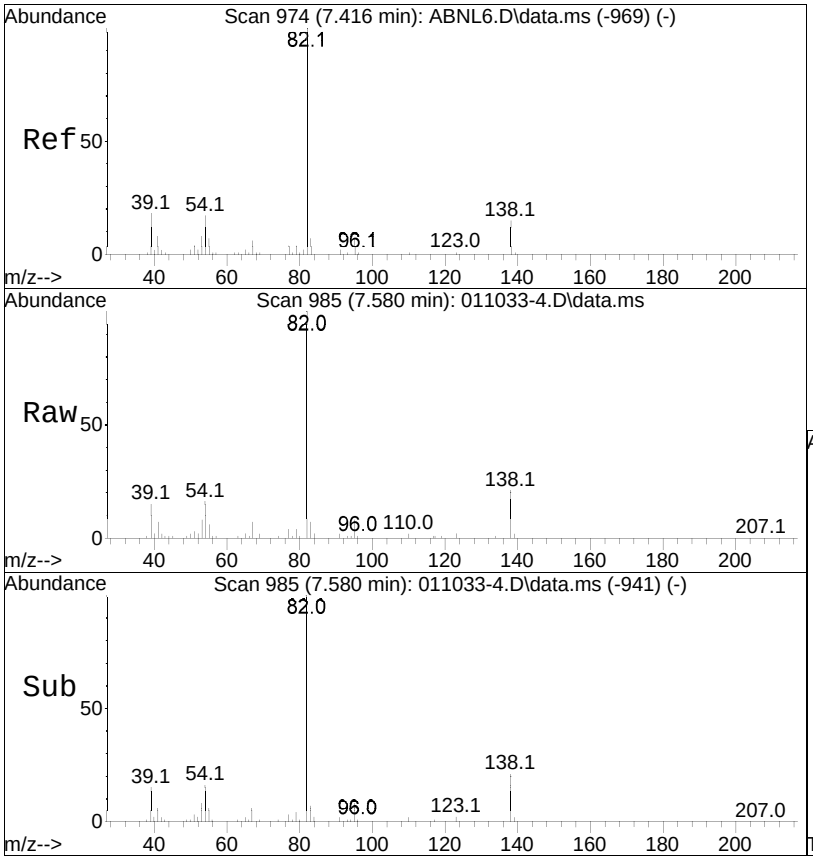


#20
Nitrobenzene
Concen: 1.53 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 77 Resp: 28051

Ion	Ratio	Lower	Upper
77	100		
123	48.5	36.3	54.5
65	16.5	11.6	17.4

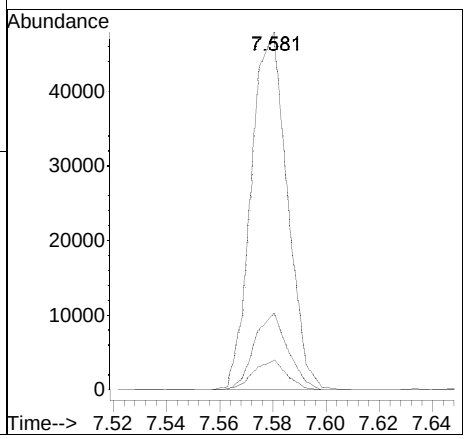


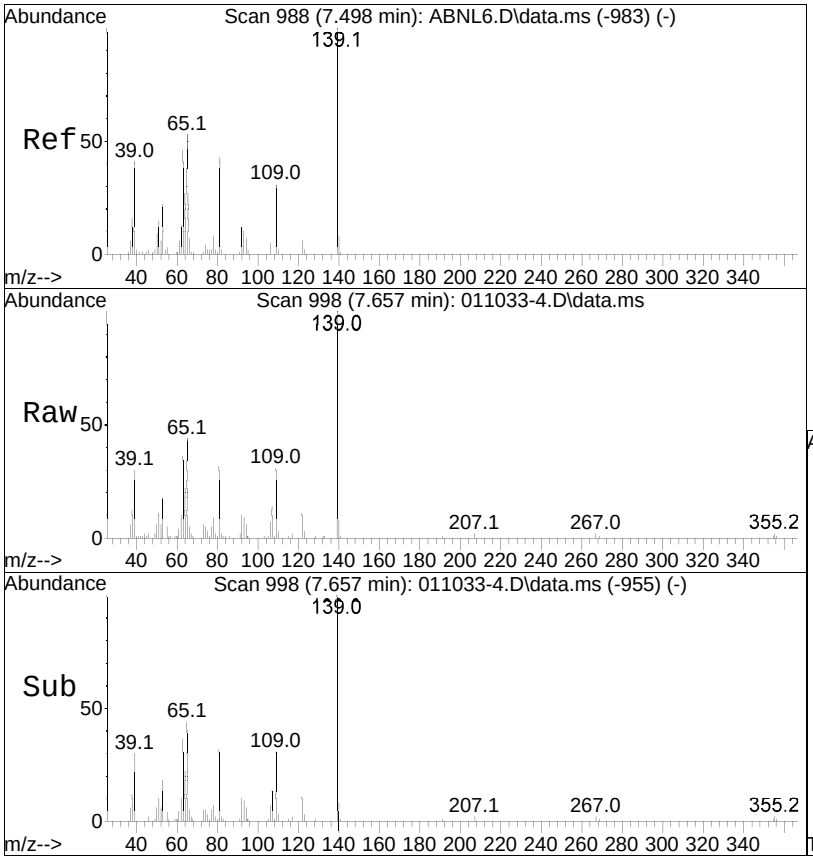


#21
Isophorone
Concen: 1.39 ug/ml
RT: 7.580 min Scan# 985
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 82 Resp: 44599

Ion	Ratio	Lower	Upper
82	100		
138	20.2	14.7	22.1
95	7.9	5.2	7.8#

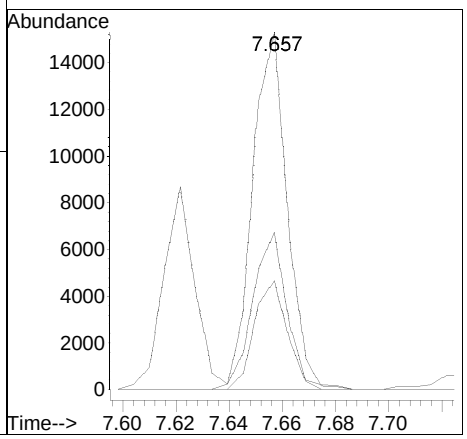


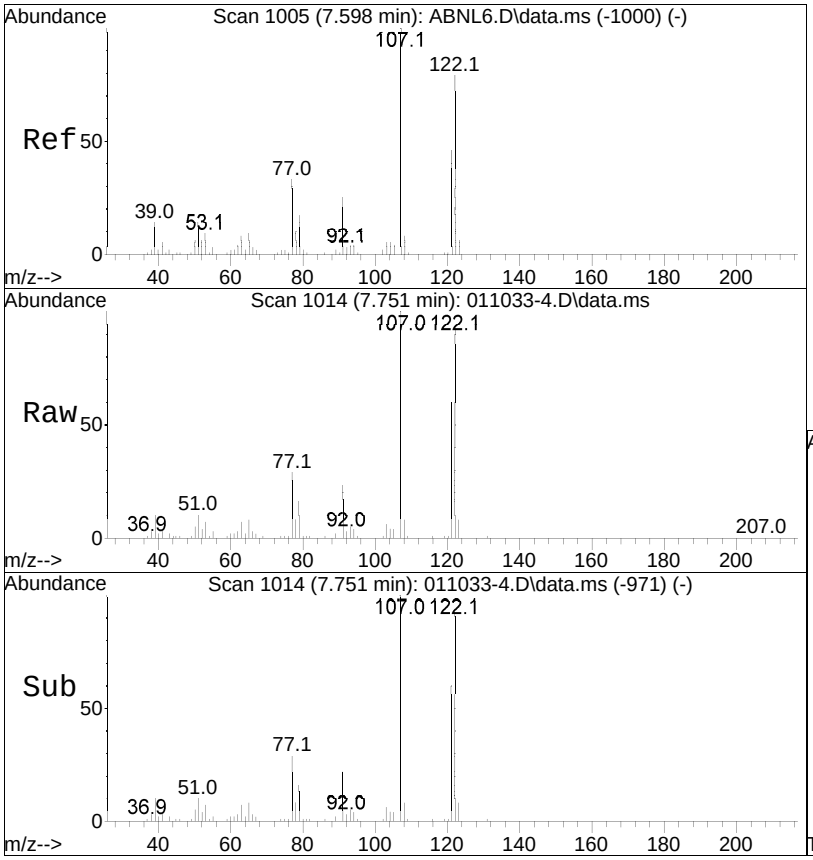


#22
2-Nitrophenol
Concen: 1.46 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:139 Resp: 13759

Ion	Ratio	Lower	Upper
139	100		
109	29.3	19.4	29.0#
65	43.5	46.1	69.1#

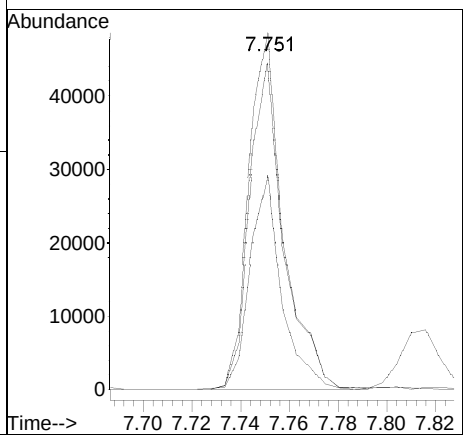


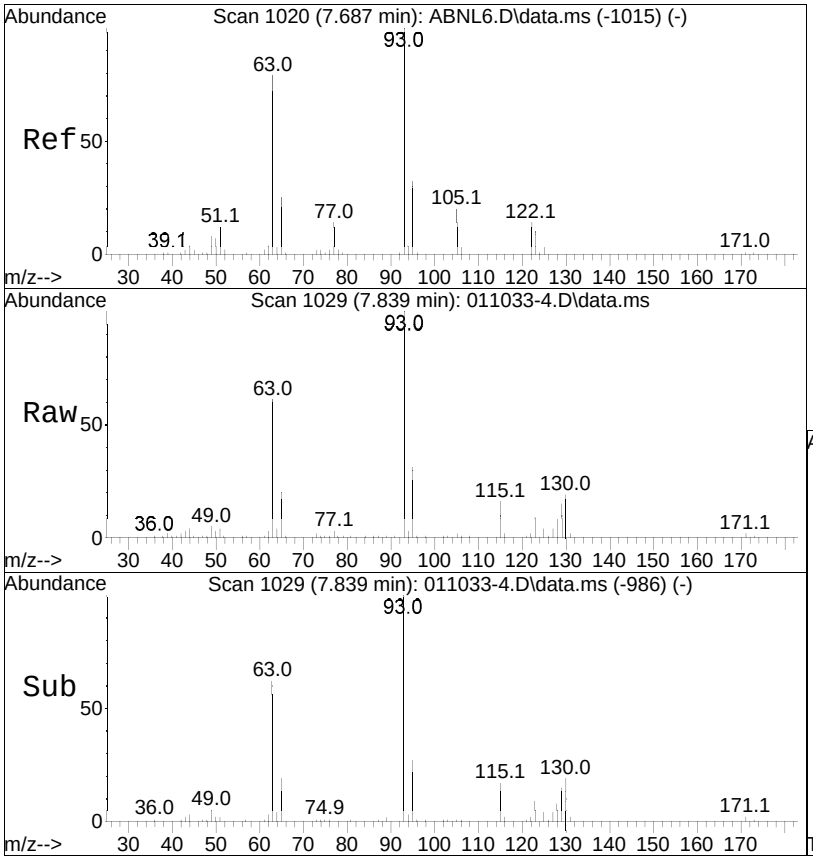


#23
2,4-Dimethylphenol
Concen: 3.25 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:107 Resp: 48098

Ion	Ratio	Lower	Upper
107	100		
121	55.1	40.0	60.0
122	90.4	70.2	105.4

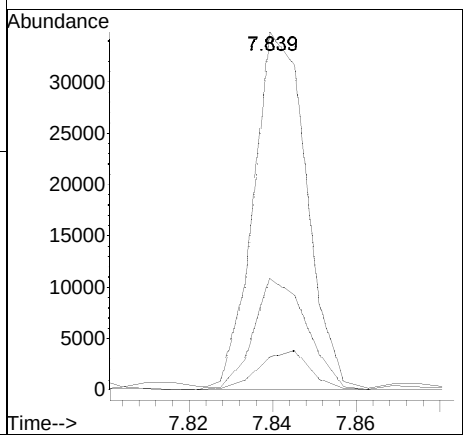


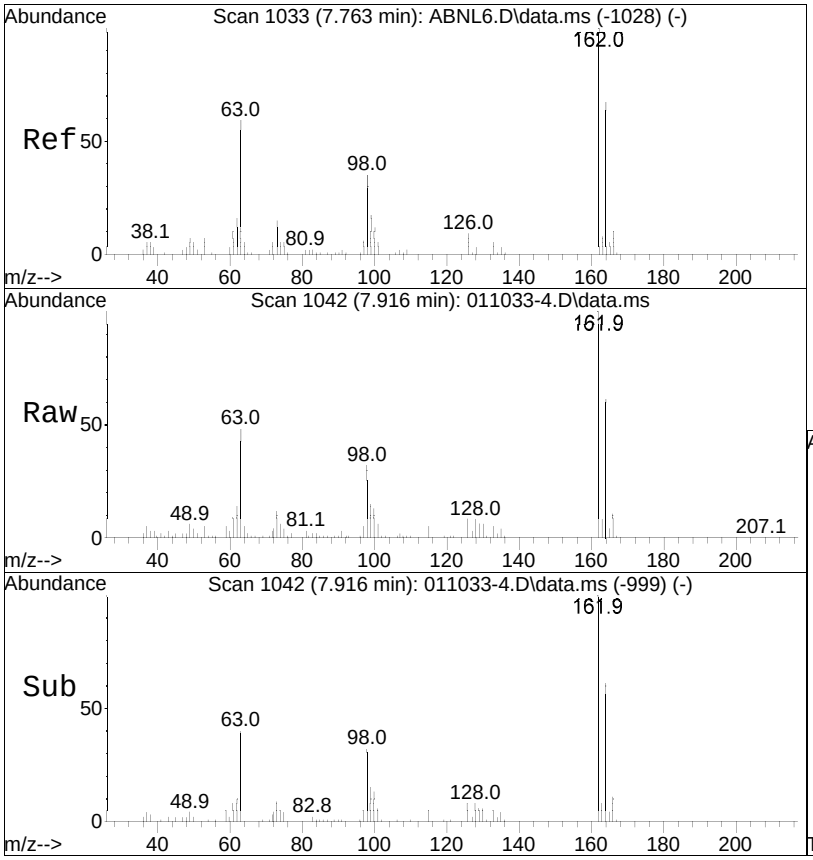


#24
Bis(2-chloroethoxy)methane
Concen: 1.43 ug/ml
RT: 7.839 min Scan# 1029
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 93 Resp: 30598

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.8
123	10.8	10.1	15.1

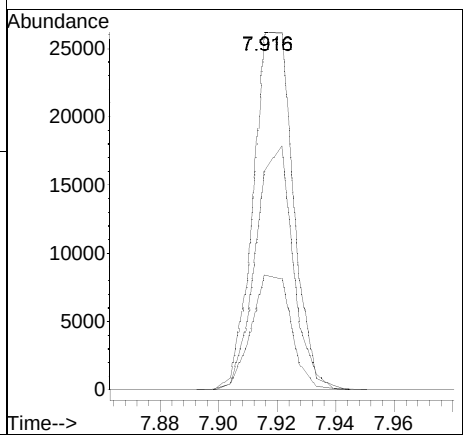


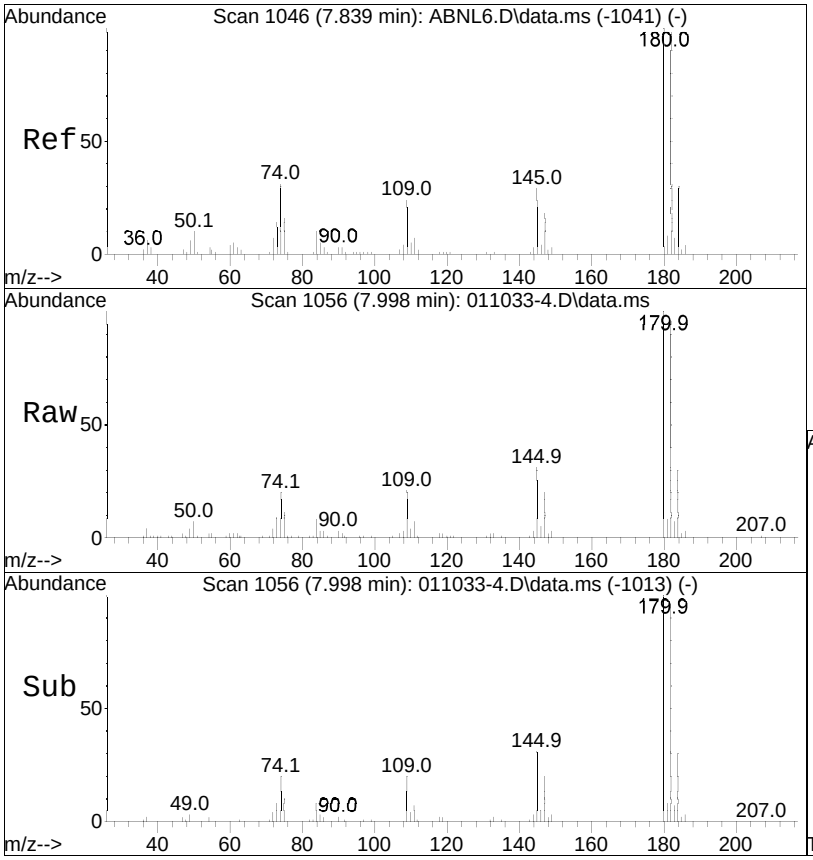


#25
2,4-Dichlorophenol
Concen: 1.49 ug/ml
RT: 7.916 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:162 Resp: 24711

Ion	Ratio	Lower	Upper
162	100		
164	64.4	51.0	76.4
98	32.6	32.2	48.2

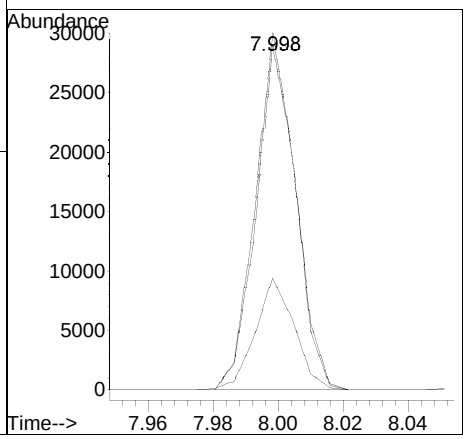


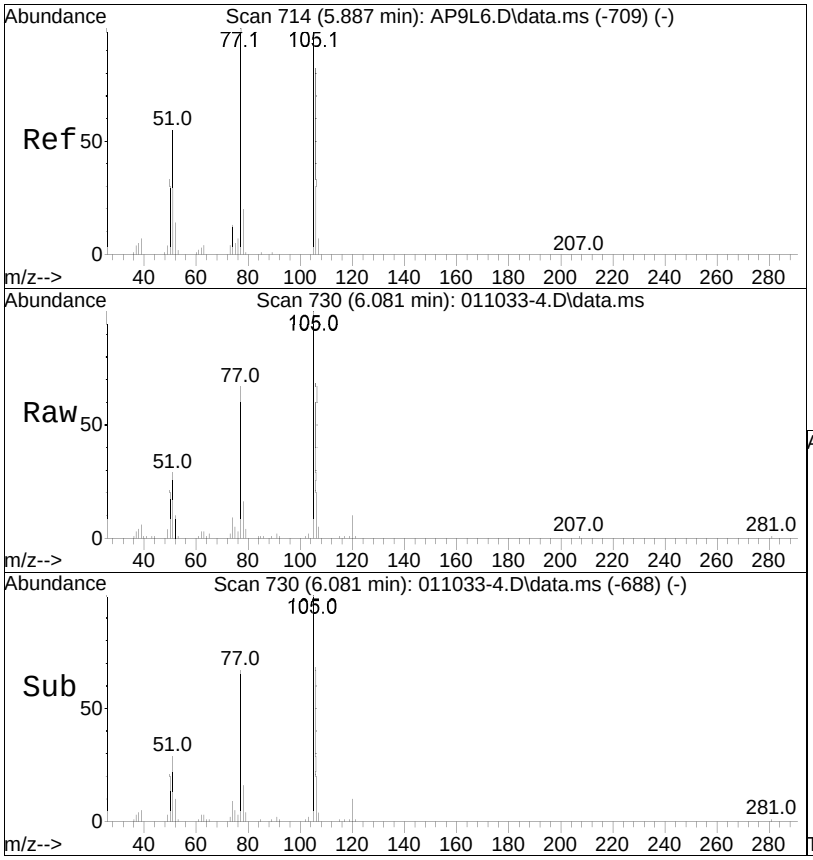


#26
1,2,4-Trichlorobenzene
Concen: 1.34 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:180 Resp: 25666

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	30.5	25.7	38.5

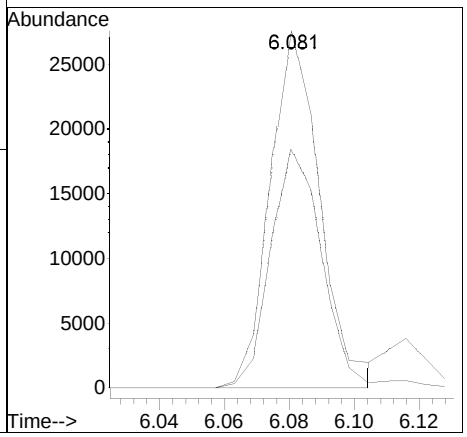


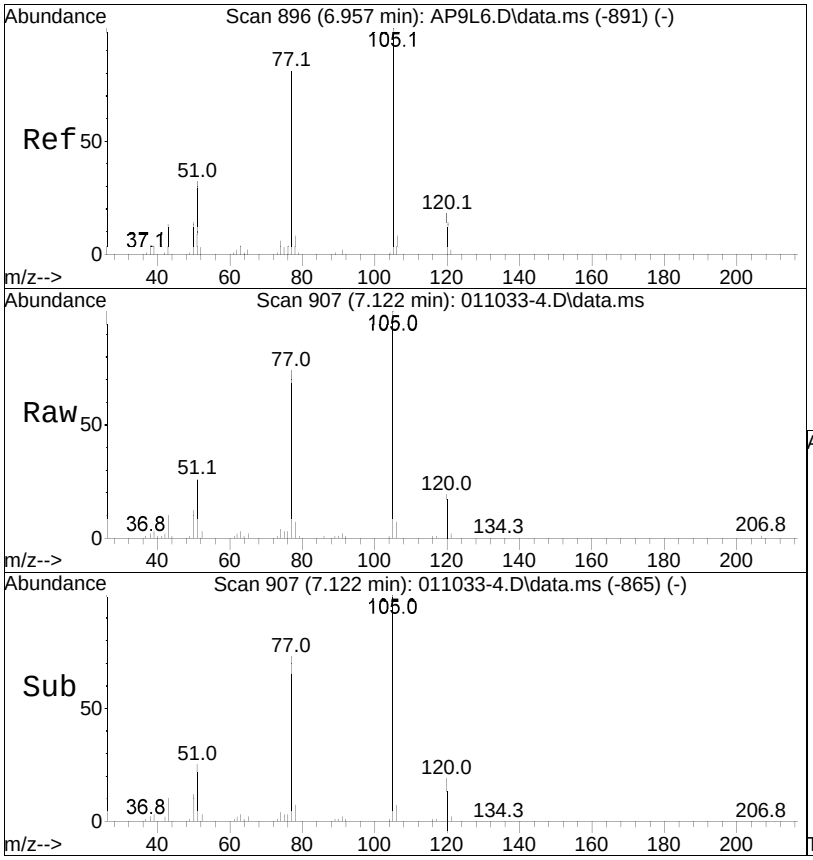


#28
Benzaldehyde
Concen: 2.32 ug/ml
RT: 6.081 min Scan# 730
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:105 Resp: 29180

Ion	Ratio	Lower	Upper
105	100		
77	70.2	82.2	123.4#

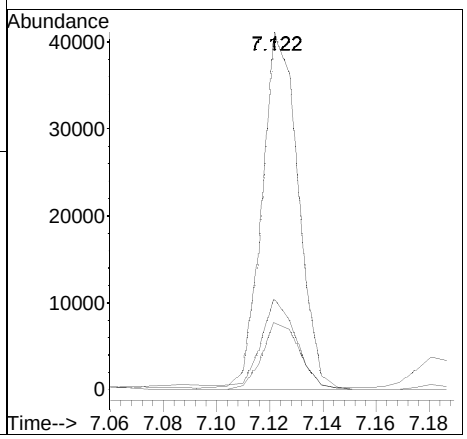


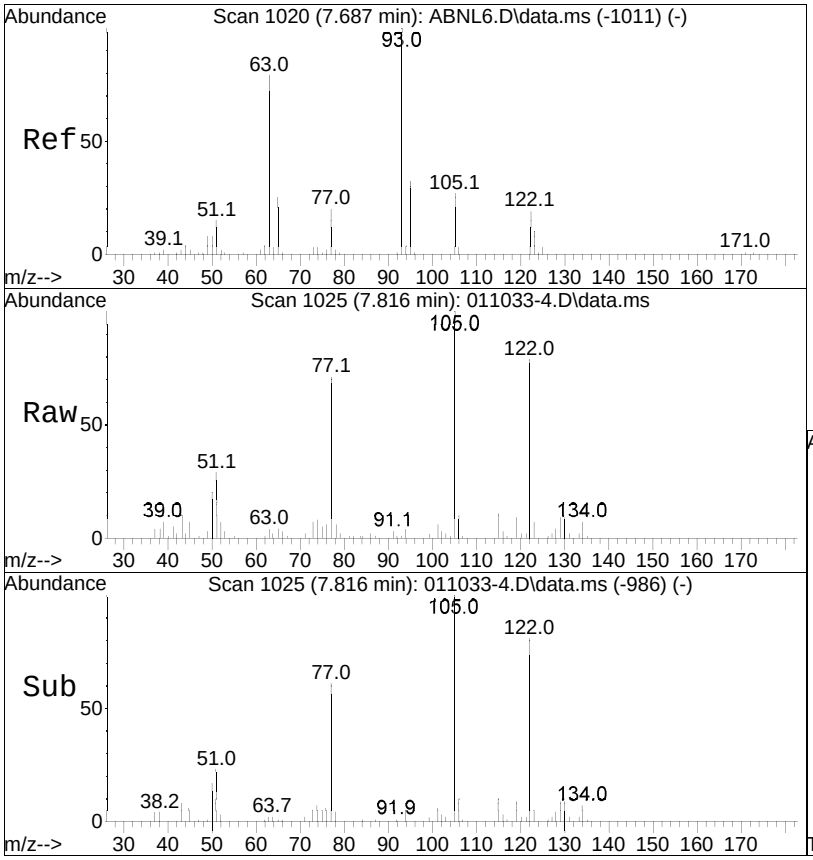


#29
Acetophenone
Concen: 1.59 ug/ml
RT: 7.122 min Scan# 907
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:105 Resp: 38560

Ion	Ratio	Lower	Upper
105	100		
120	19.7	20.5	30.7#
51	25.2	34.9	52.3#

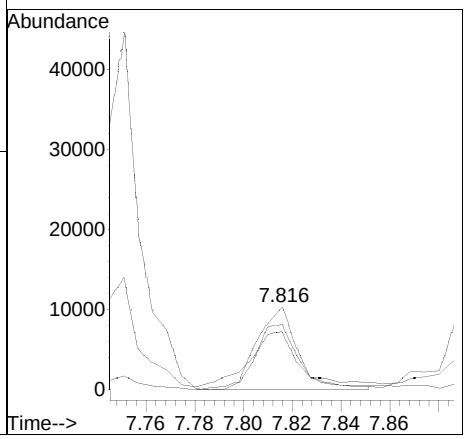


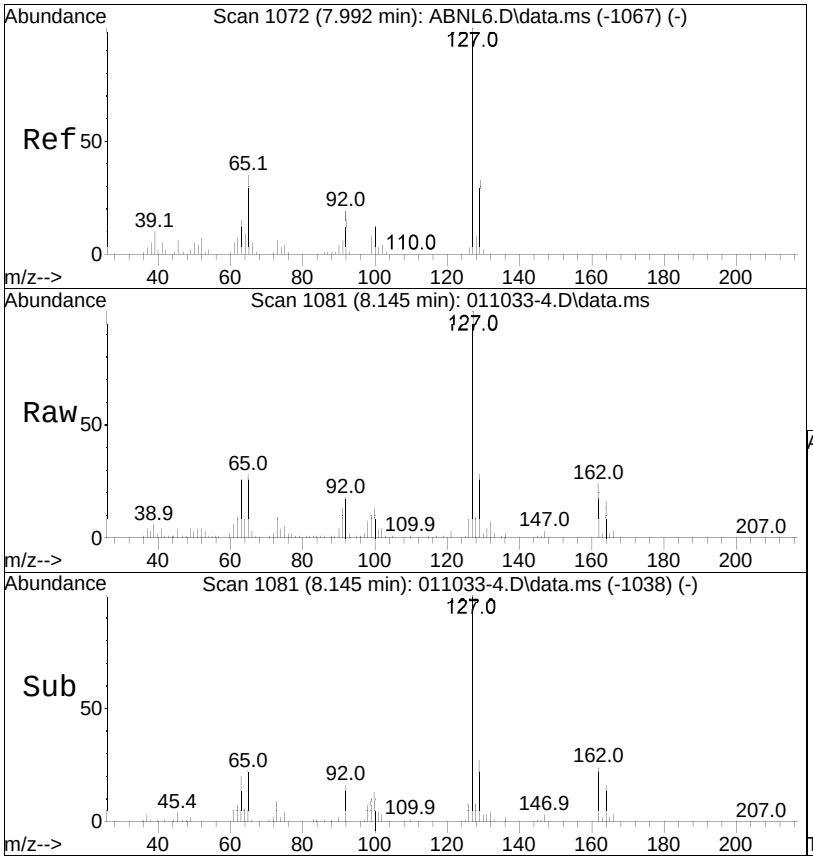


#37
Benzoic Acid
Concen: 2.12 ug/ml
RT: 7.816 min Scan# 1025
Delta R.T. -0.024 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:105 Resp: 12290

Ion	Ratio	Lower	Upper
105	100		
122	83.7	59.9	89.9
77	92.8	60.1	90.1#

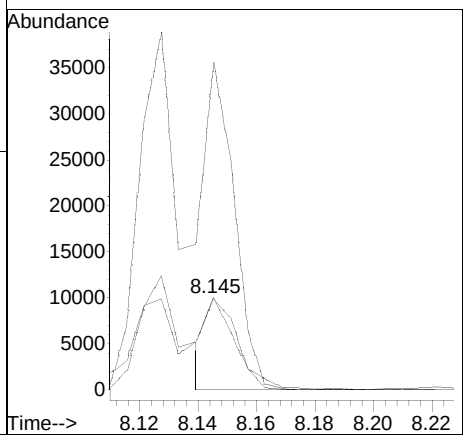


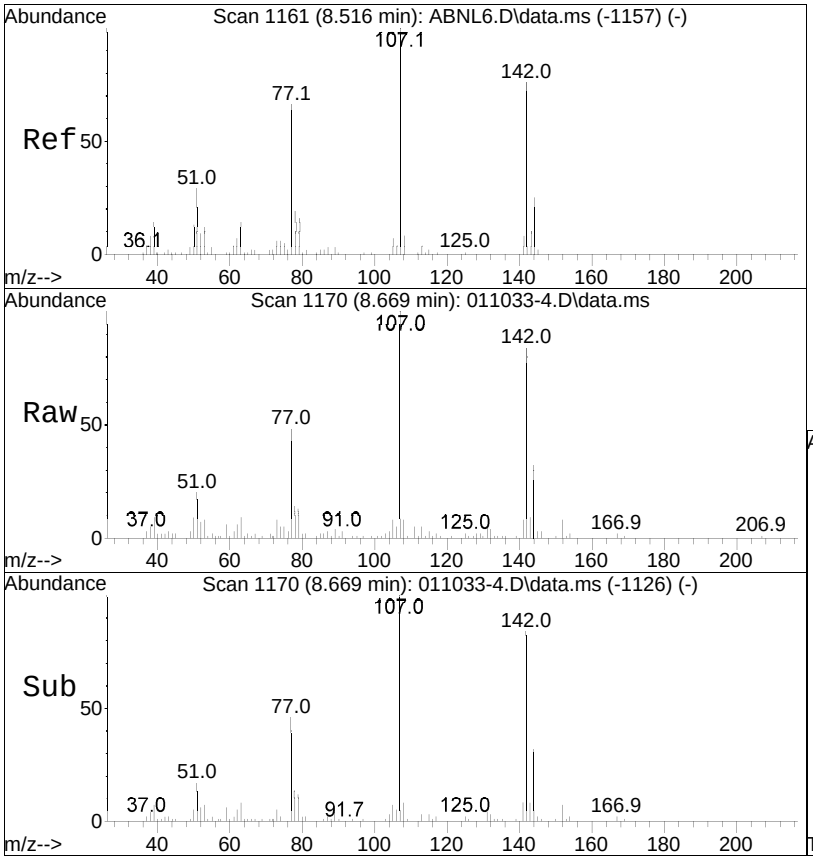


#38
4-Chloroaniline
Concen: 1.15 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 65 Resp: 7385

Ion	Ratio	Lower	Upper
65	100		
127	323.5	237.6	356.4
129	97.7	76.3	114.5

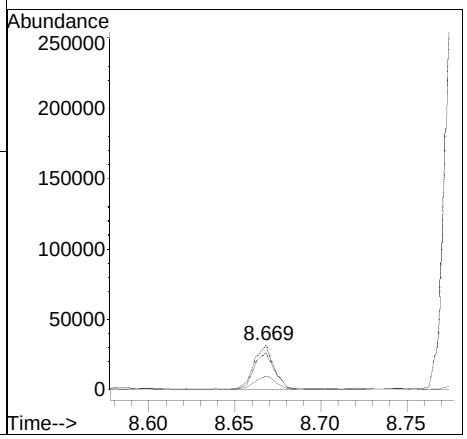


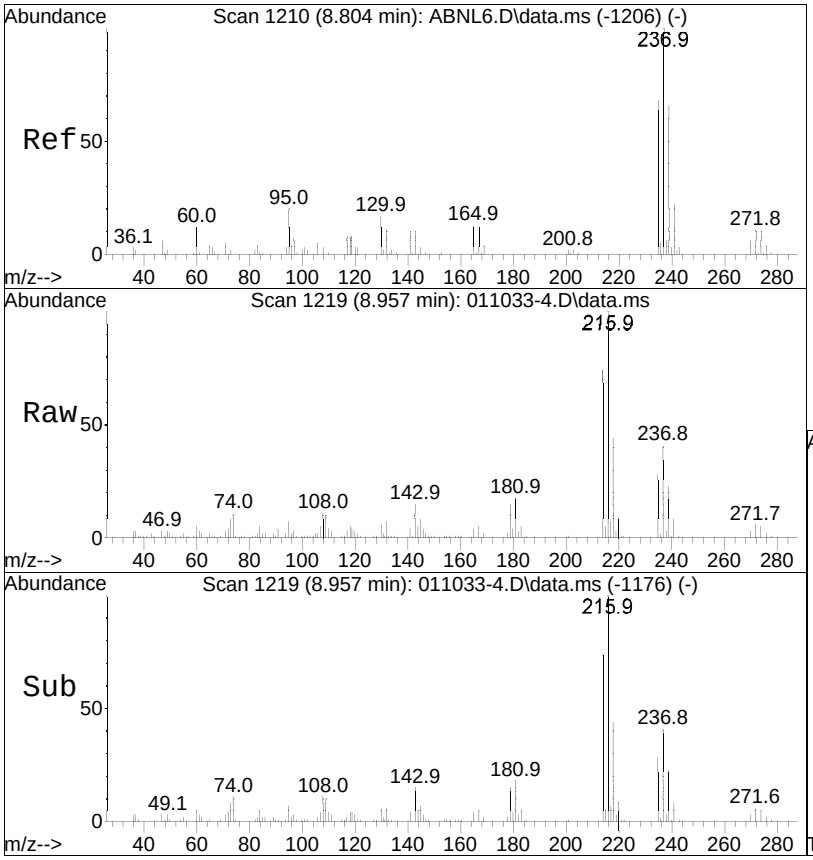


#40
p-Chloro-m-cresol
Concen: 1.76 ug/ml
RT: 8.669 min Scan# 1170
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:107 Resp: 26431

Ion	Ratio	Lower	Upper
107	100		
144	29.9	20.9	31.3
142	84.2	66.1	99.1

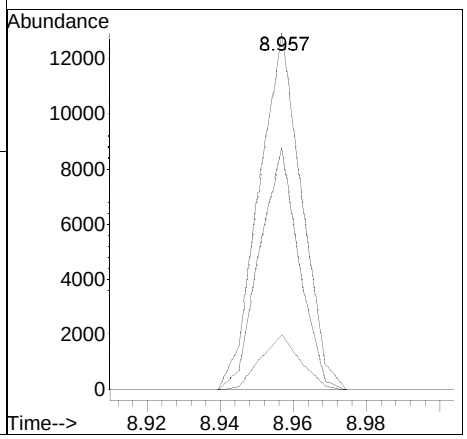


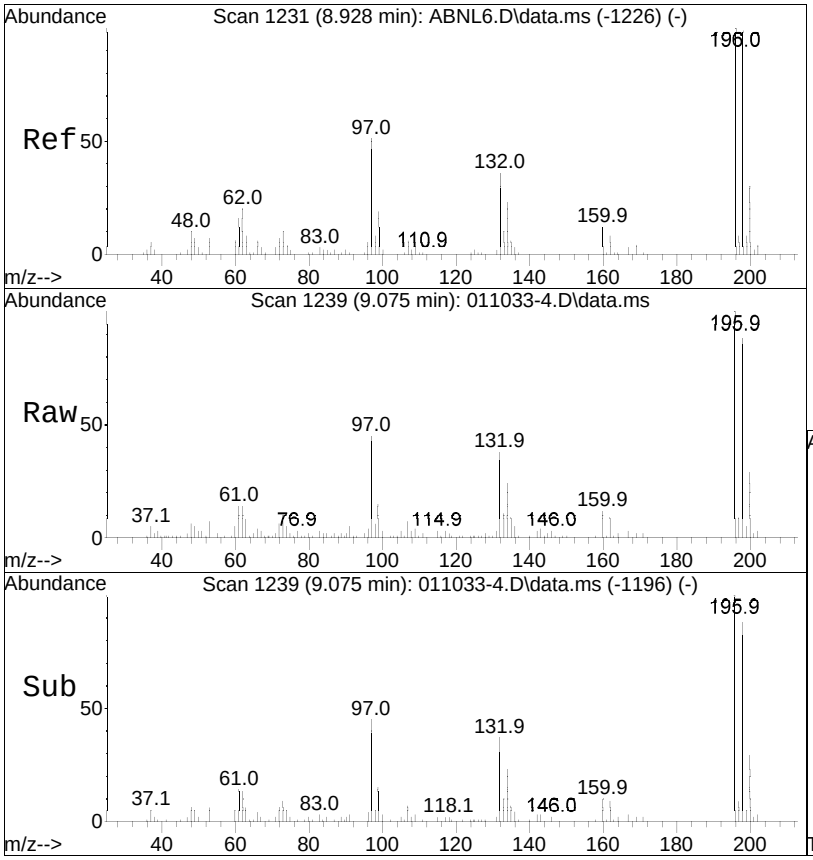


#43
Hexachlorocyclopentadiene
Concen: 0.79 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:237 Resp: 10449

Ion	Ratio	Lower	Upper
237	100		
235	62.9	49.7	74.5
272	14.6	9.8	14.6

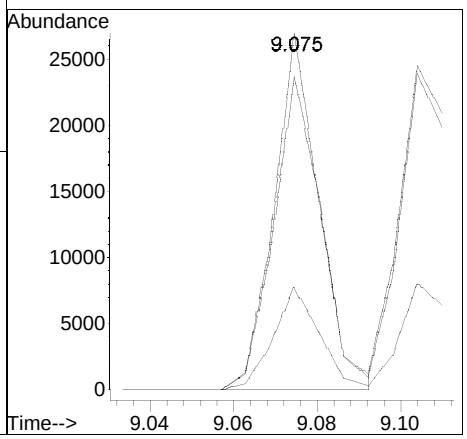


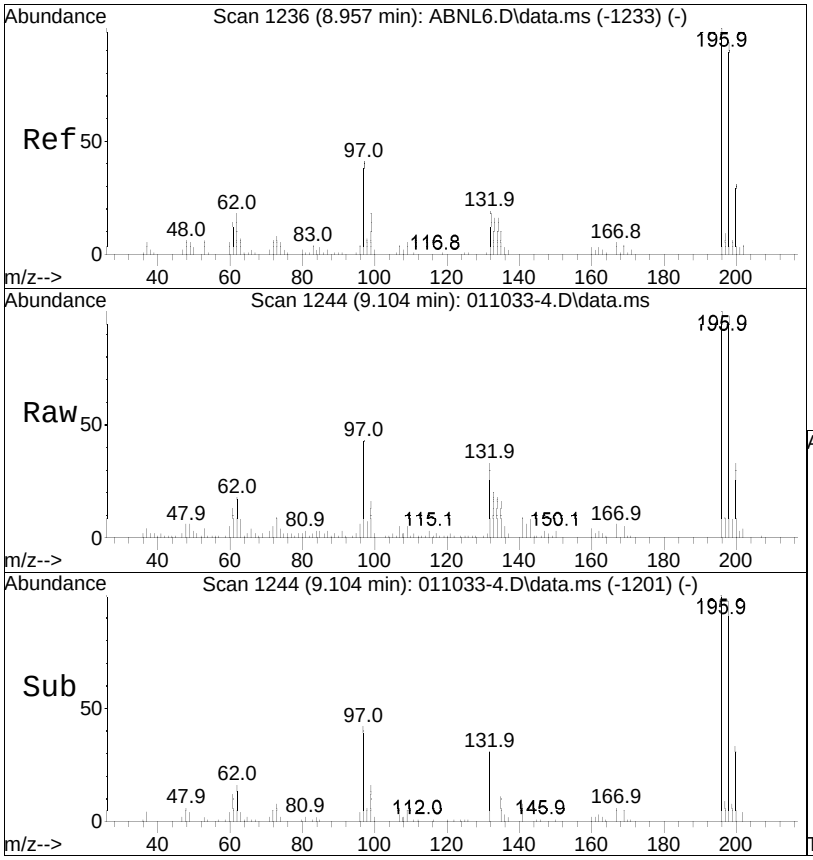


#44
2,4,6-Trichlorophenol
Concen: 1.44 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:196 Resp: 20086

Ion	Ratio	Lower	Upper
196	100		
198	93.0	77.5	116.3
200	30.0	23.8	35.6

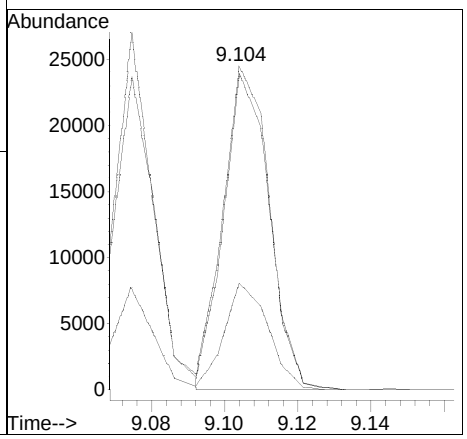


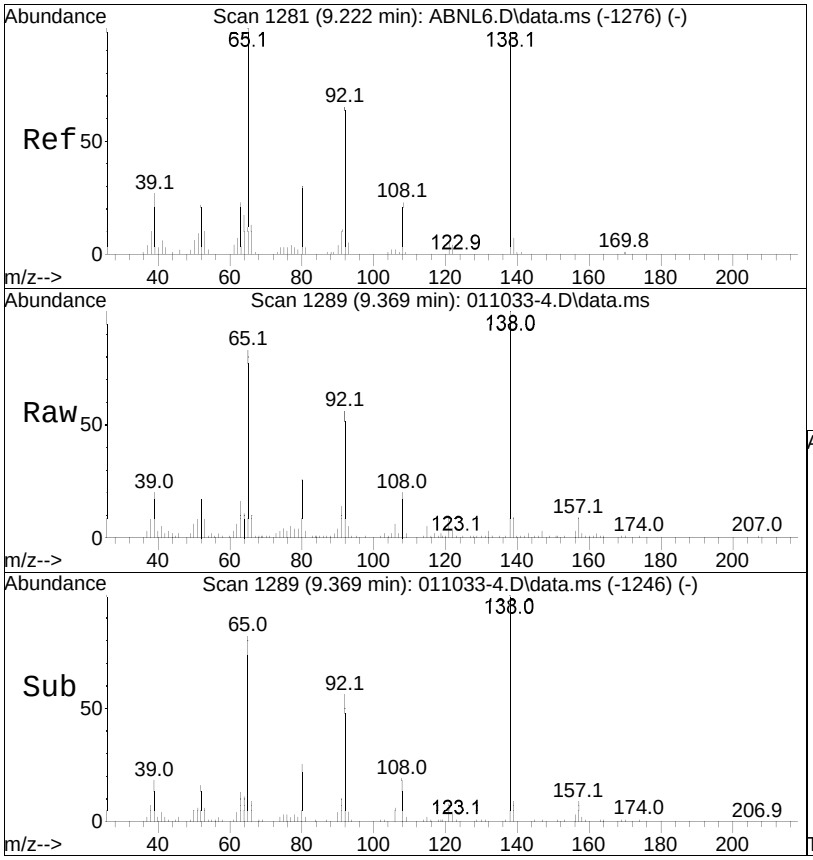


#45
2,4,5-Trichlorophenol
Concen: 1.49 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:196 Resp: 21427

Ion	Ratio	Lower	Upper
196	100		
200	31.5	25.4	38.0
198	96.5	78.0	117.0

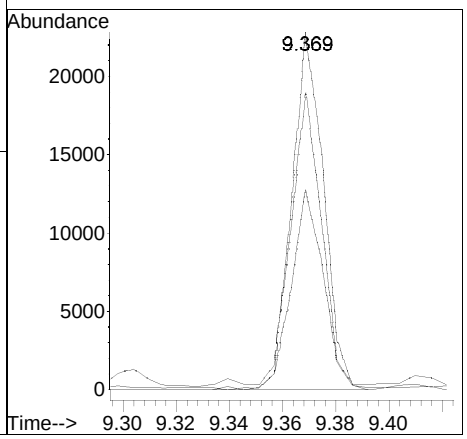


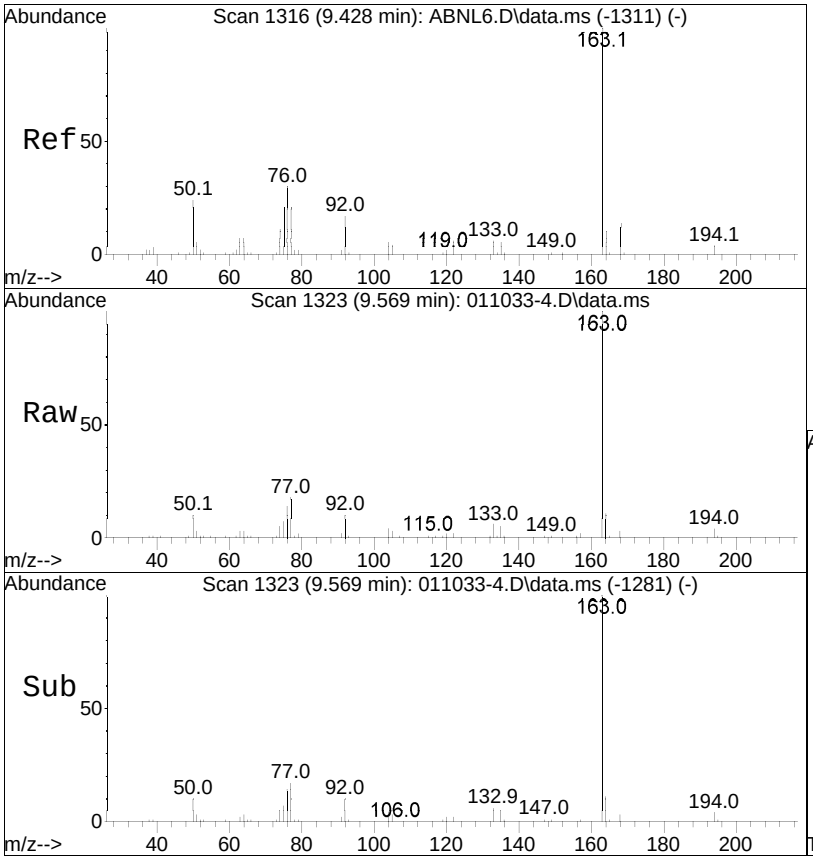


#48
2-Nitroaniline
Concen: 1.67 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:138 Resp: 18816

Ion	Ratio	Lower	Upper
138	100		
92	57.1	53.5	80.3
65	81.7	86.3	129.5#

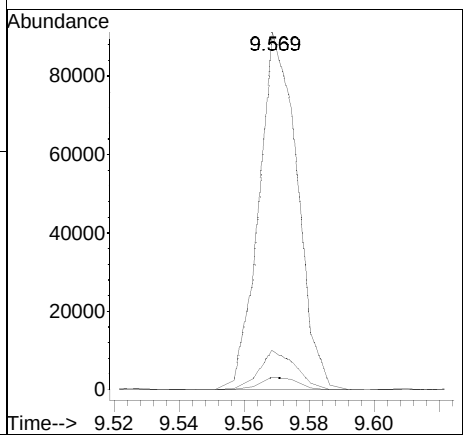


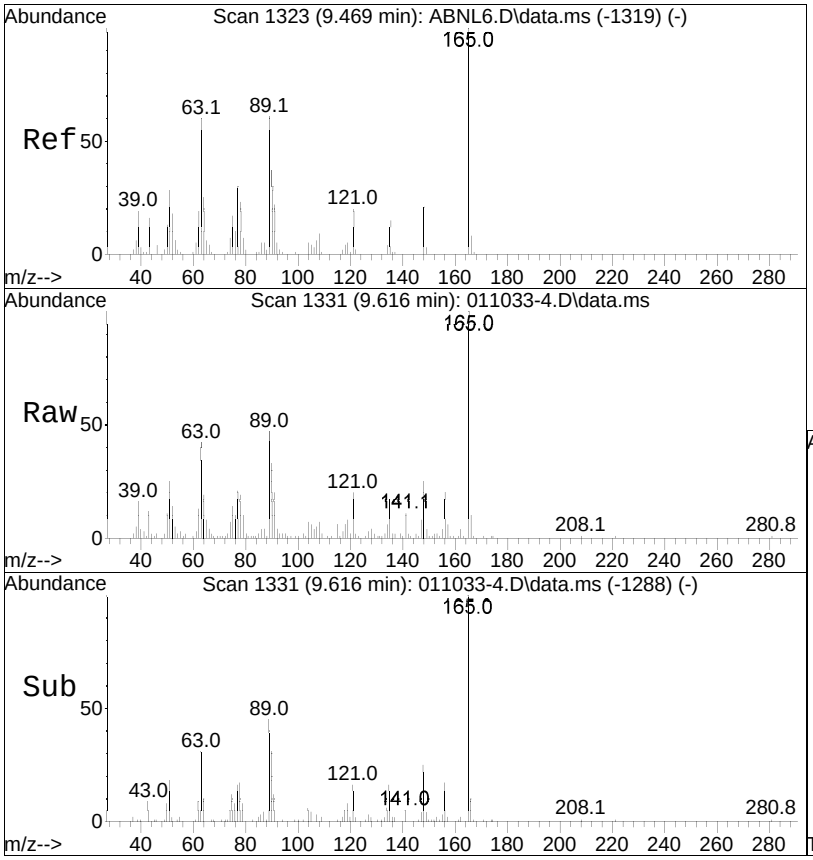


#51
Dimethyl phthalate
Concen: 1.59 ug/ml
RT: 9.569 min Scan# 1323
Delta R.T. -0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:163 Resp: 73758

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	10.8	7.9	11.9

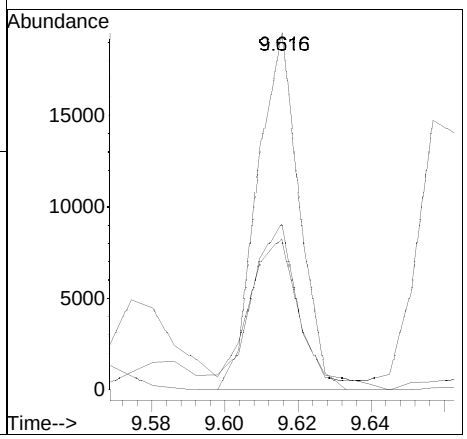


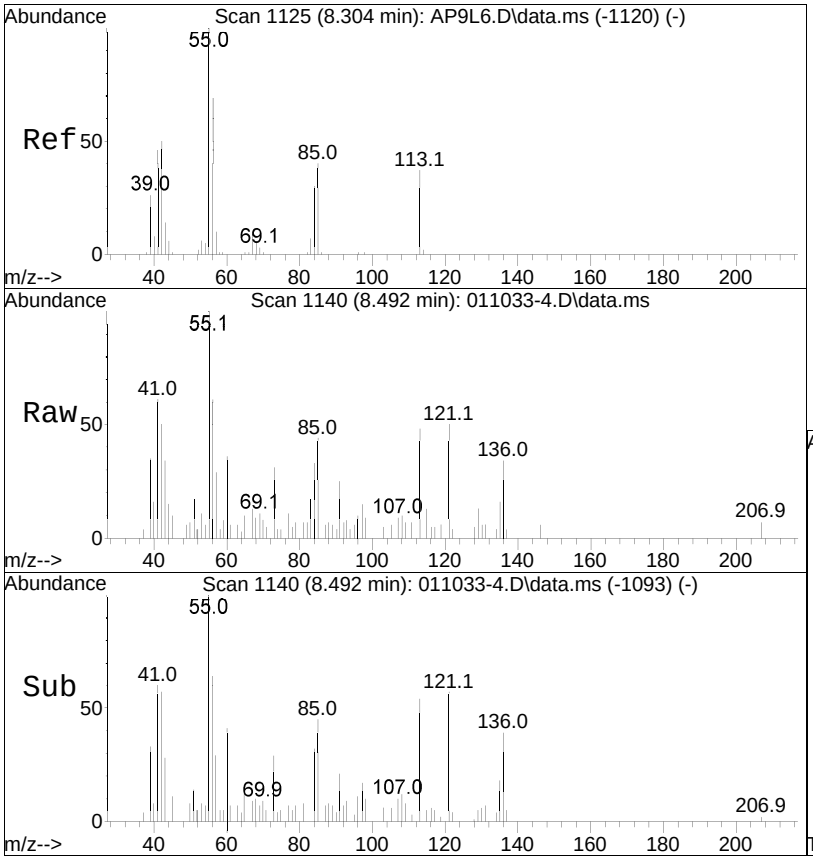


#53
2,6-Dinitrotoluene
Concen: 1.65 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:165 Resp: 15533

Ion	Ratio	Lower	Upper
165	100		
89	54.2	54.2	81.2
63	43.6	64.2	96.2#

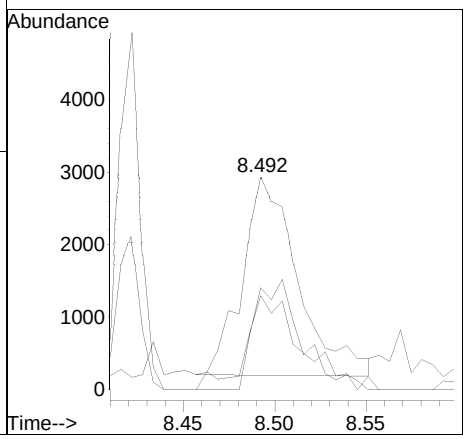


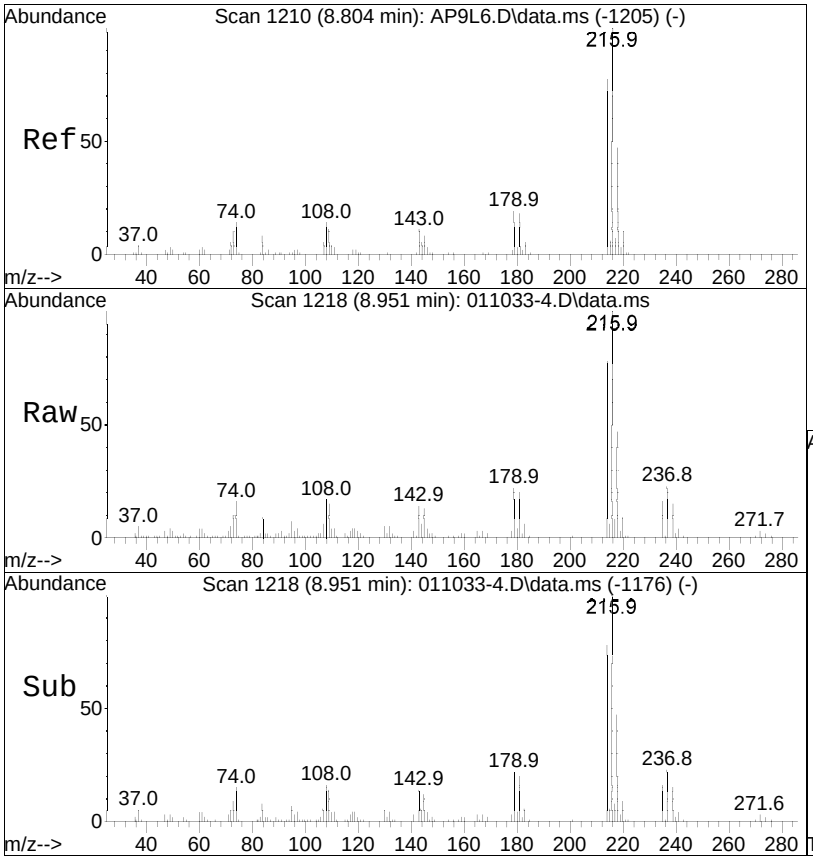


#60
Caprolactam
Concen: 0.78 ug/ml
RT: 8.492 min Scan# 1140
Delta R.T. 0.029 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 55 Resp: 5767

Ion	Ratio	Lower	Upper
55	100		
85	47.1	19.8	29.6#
113	46.8	29.6	44.4#

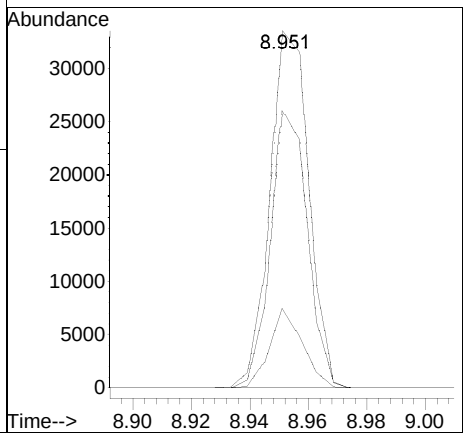


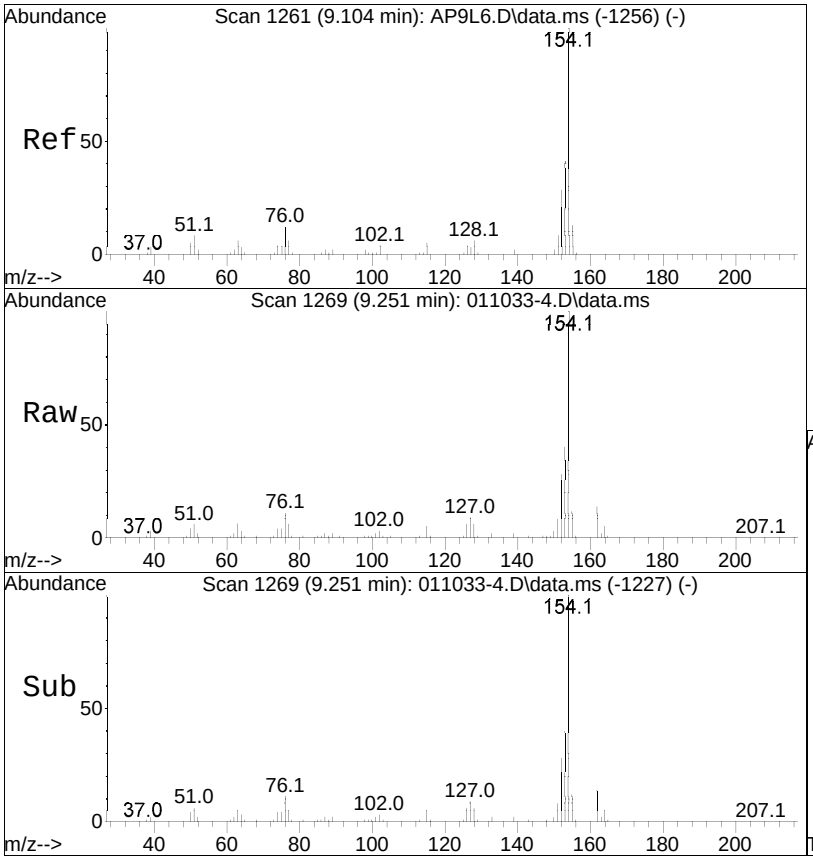


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.52 ug/ml
RT: 8.951 min Scan# 1218
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:216 Resp: 30950

Ion	Ratio	Lower	Upper
216	100		
214	73.6	63.7	95.5
179	19.0	19.0	28.6#

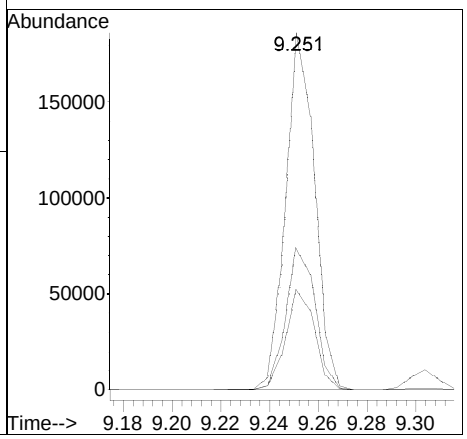


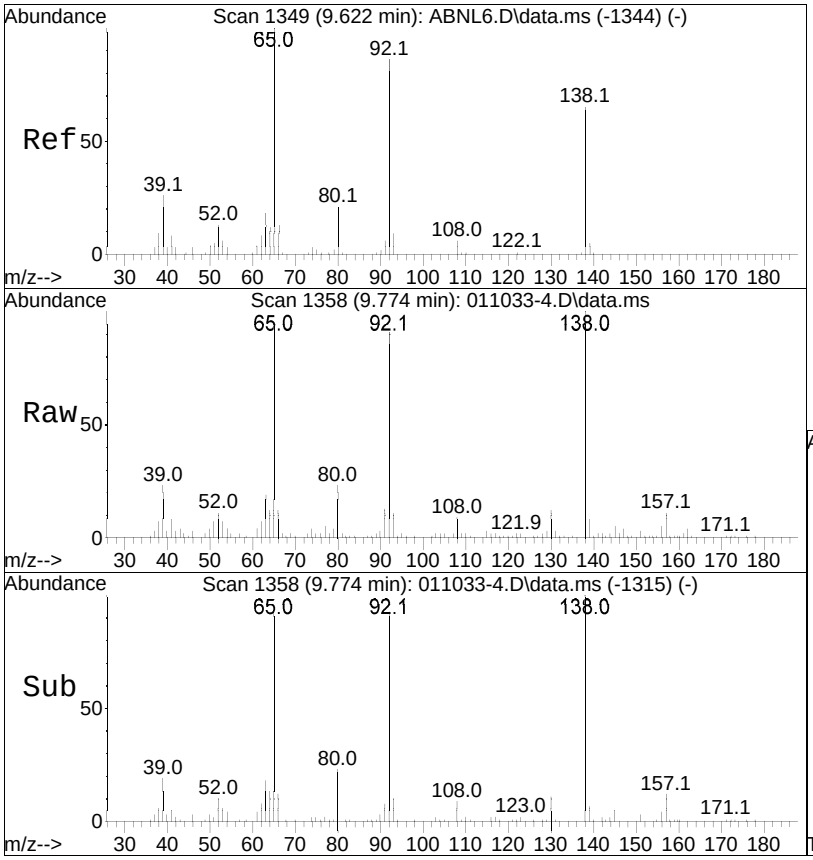


#62
Biphenyl
Concen: 3.33 ug/ml
RT: 9.251 min Scan# 1269
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:154 Resp: 152555

Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.3	48.5
152	28.4	22.5	33.7

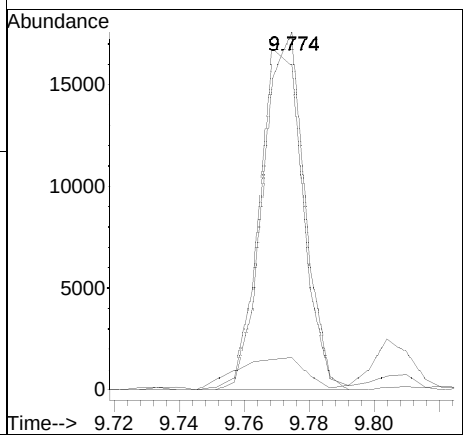


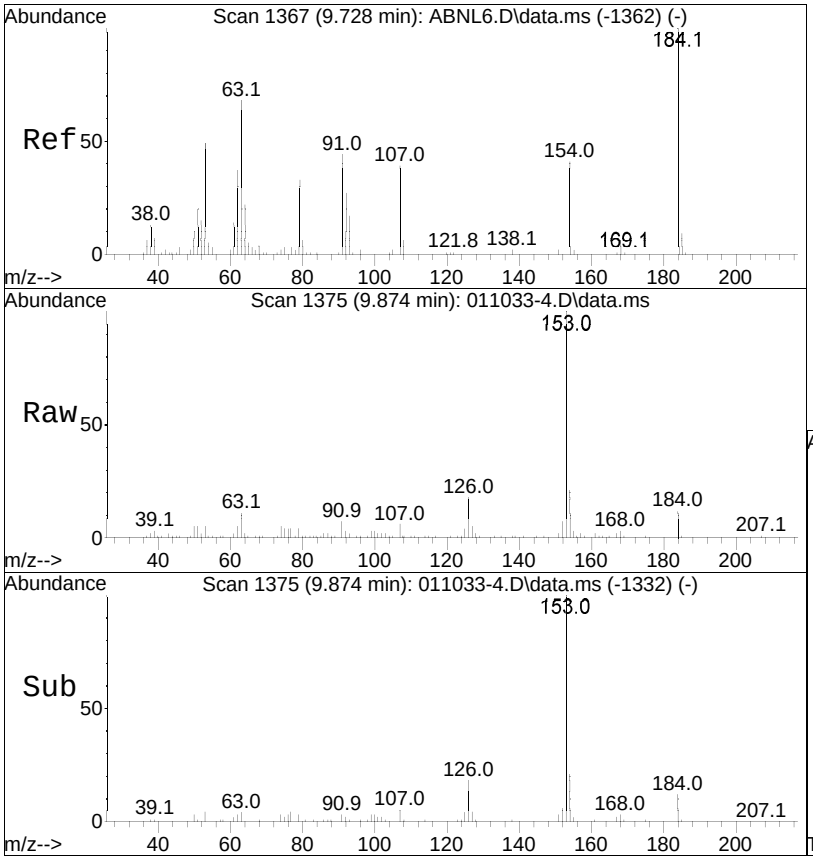


#64
3-Nitroaniline
Concen: 1.60 ug/ml
RT: 9.774 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:138 Resp: 15477

Ion	Ratio	Lower	Upper
138	100		
92	100.6	93.4	140.2
108	15.4	9.5	14.3#

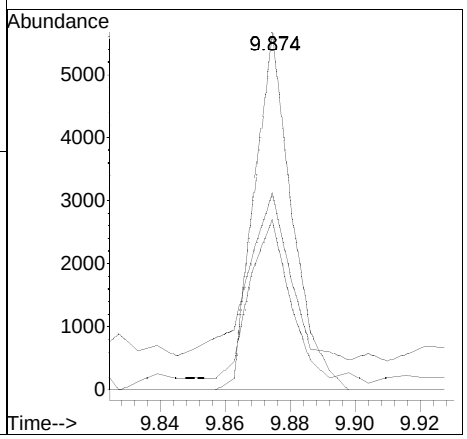


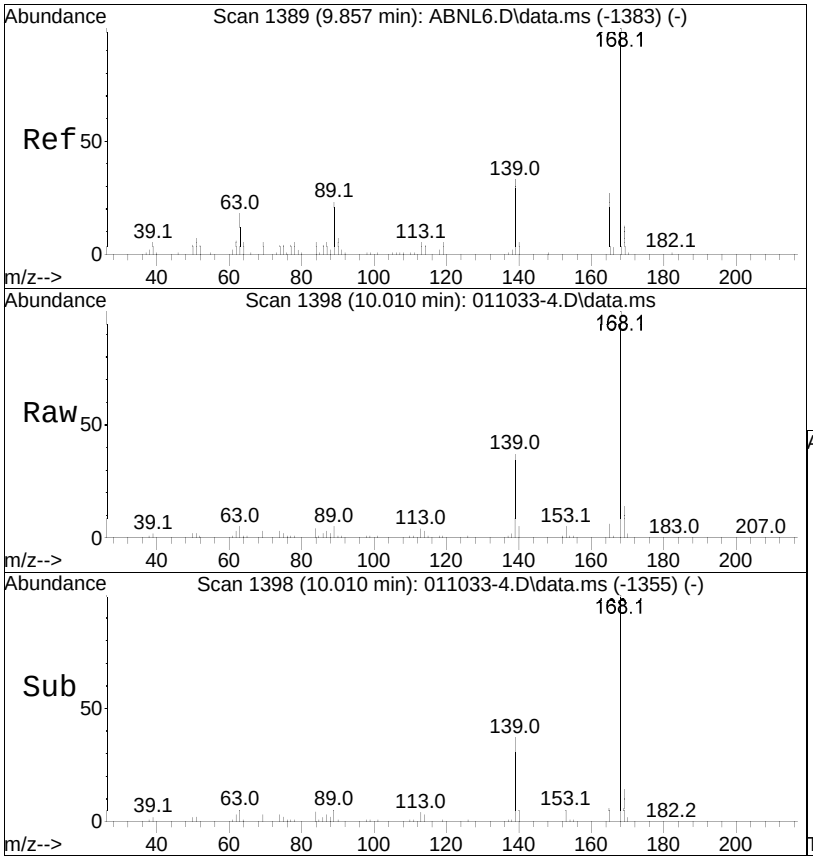


#66
2,4-Dinitrophenol
Concen: 1.79 ug/ml
RT: 9.874 min Scan# 1375
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:184 Resp: 4538

Ion	Ratio	Lower	Upper
184	100		
107	54.0	37.7	56.5
91	64.7	46.3	69.5

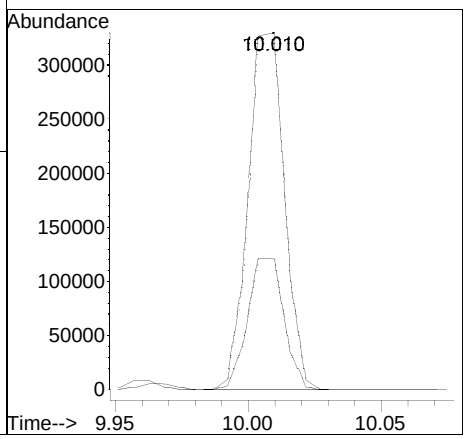


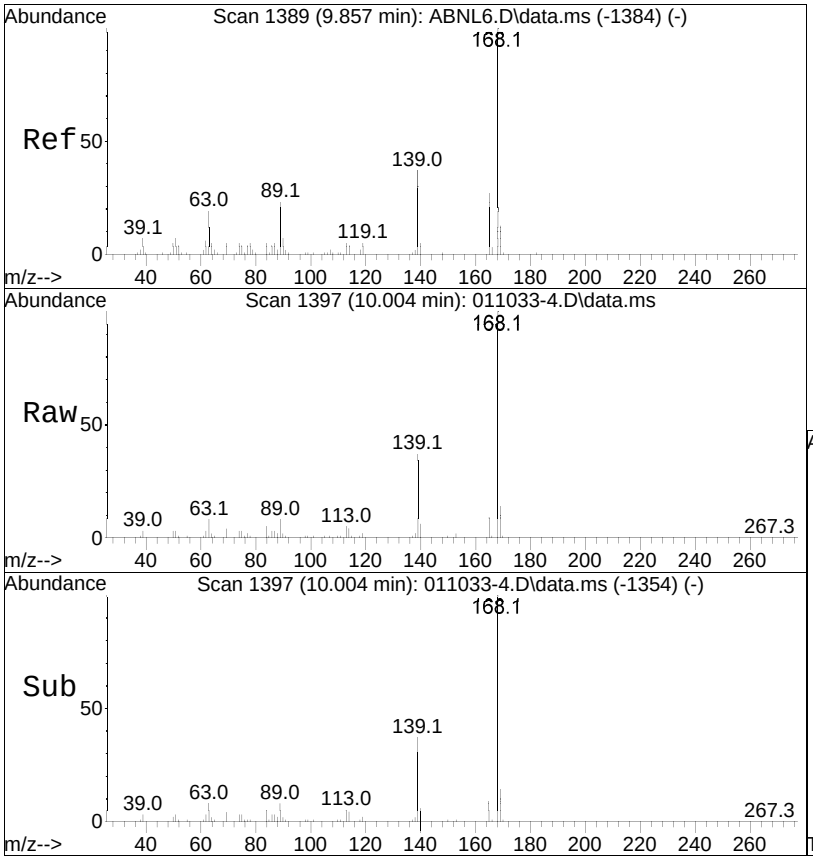


#67
Dibenzofuran
Concen: 5.53 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:168 Resp: 310159

Ion	Ratio	Lower	Upper
168	100		
139	37.2	31.4	47.2

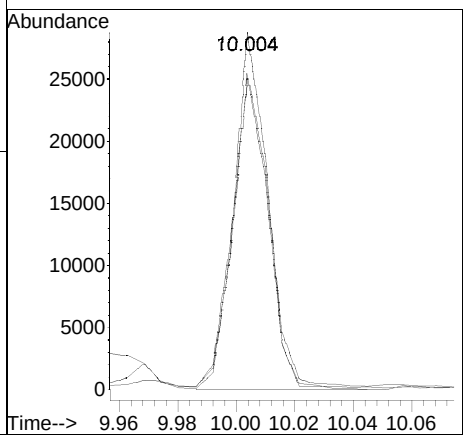


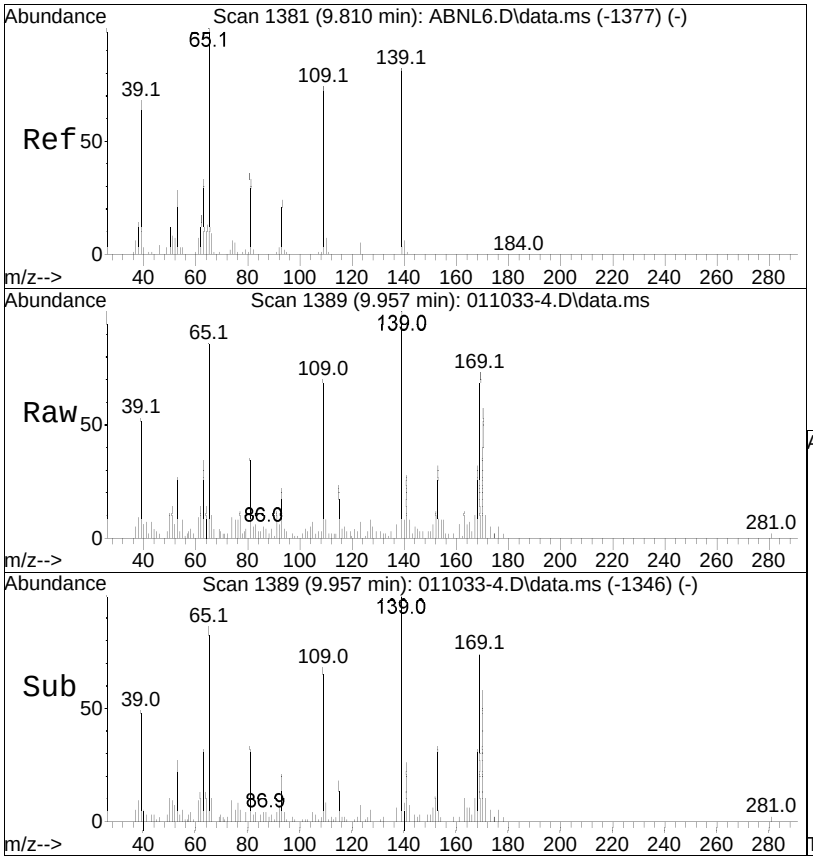


#68
2,4-Dinitrotoluene
Concen: 1.81 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:165 Resp: 22720

Ion	Ratio	Lower	Upper
165	100		
89	91.7	72.0	108.0
63	92.6	52.7	79.1#

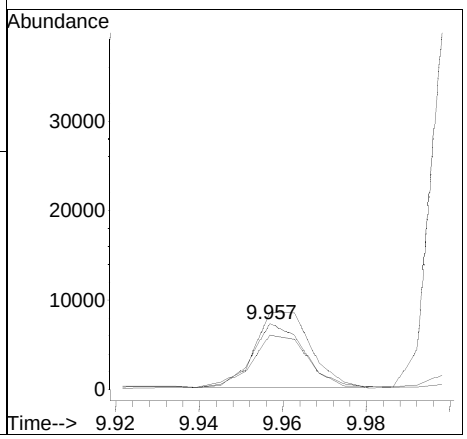


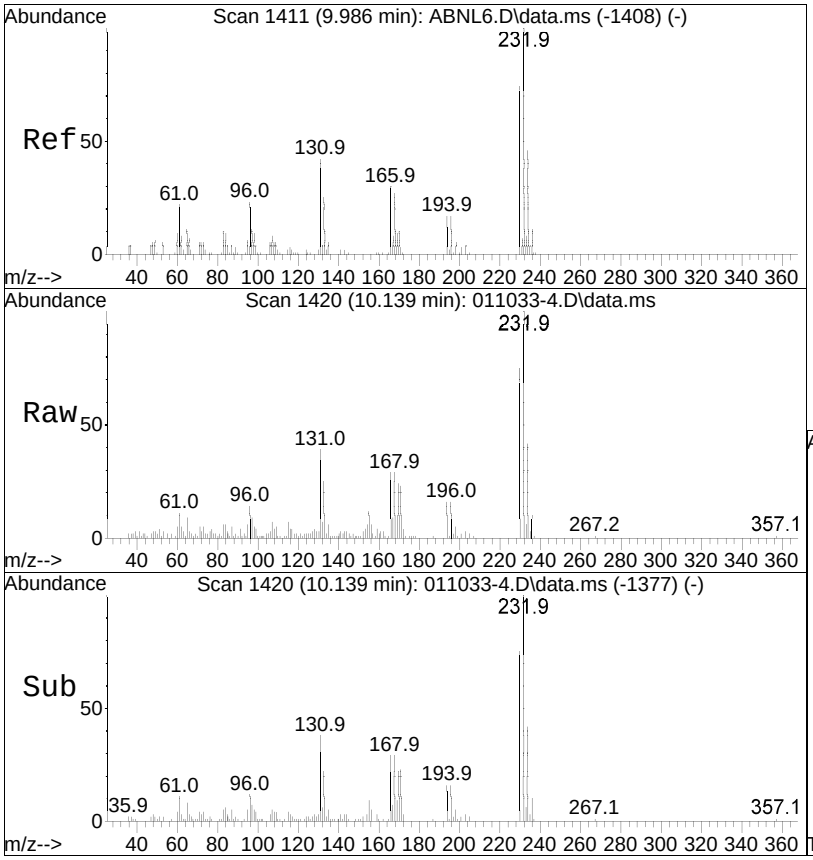


#69
4-Nitrophenol
Concen: 0.87 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 65 Resp: 6203

Ion	Ratio	Lower	Upper
65	100		
109	92.1	47.4	71.2#
139	145.5	76.6	115.0#

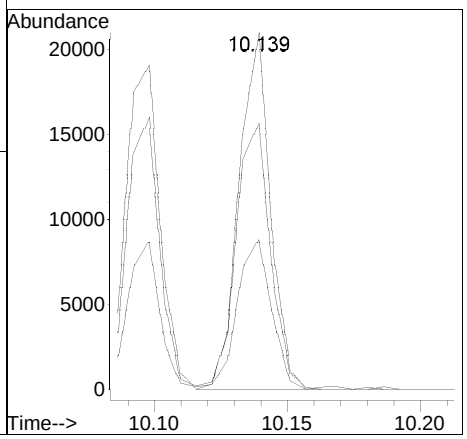


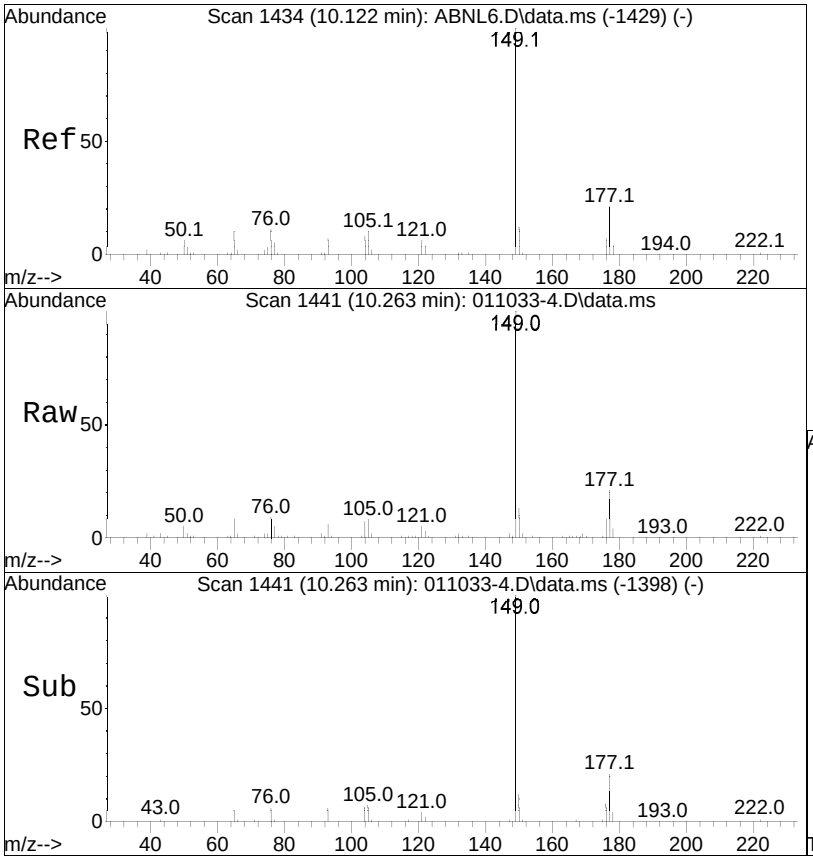


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.50 ug/ml
RT: 10.139 min Scan# 1420
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:232 Resp: 17342

Ion	Ratio	Lower	Upper
232	100		
230	81.2	61.8	92.8
234	45.6	36.2	54.2

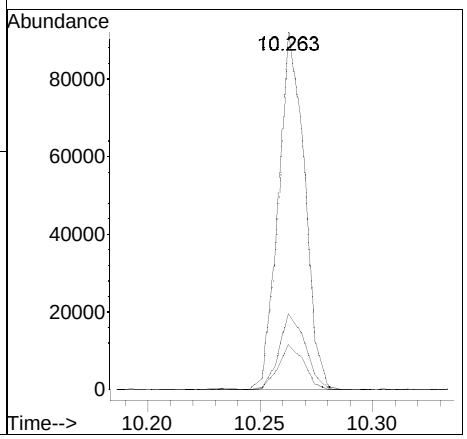


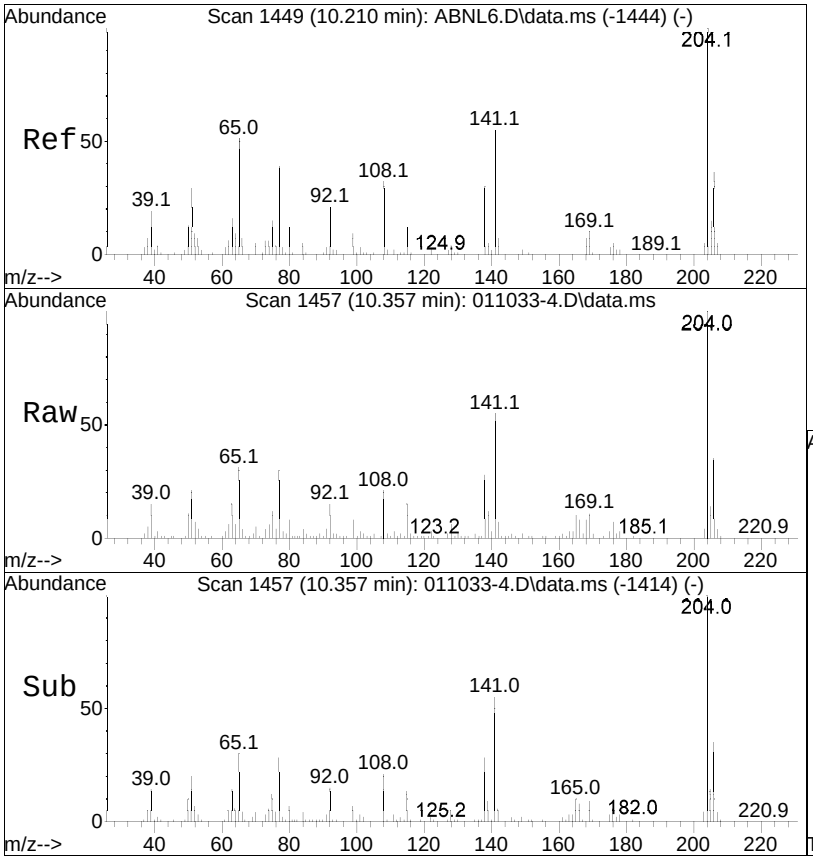


#72
Diethyl phthalate
Concen: 1.62 ug/ml
RT: 10.263 min Scan# 1441
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:149 Resp: 73841

Ion	Ratio	Lower	Upper
149	100		
177	21.7	16.1	24.1
150	13.1	9.4	14.2

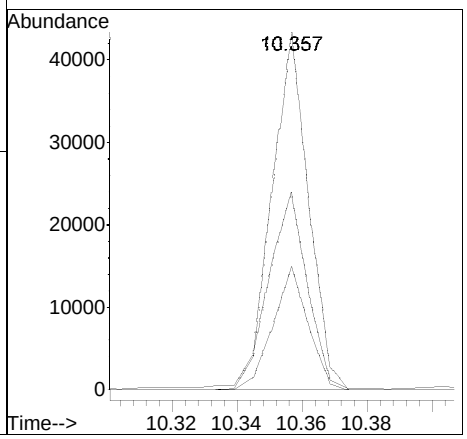


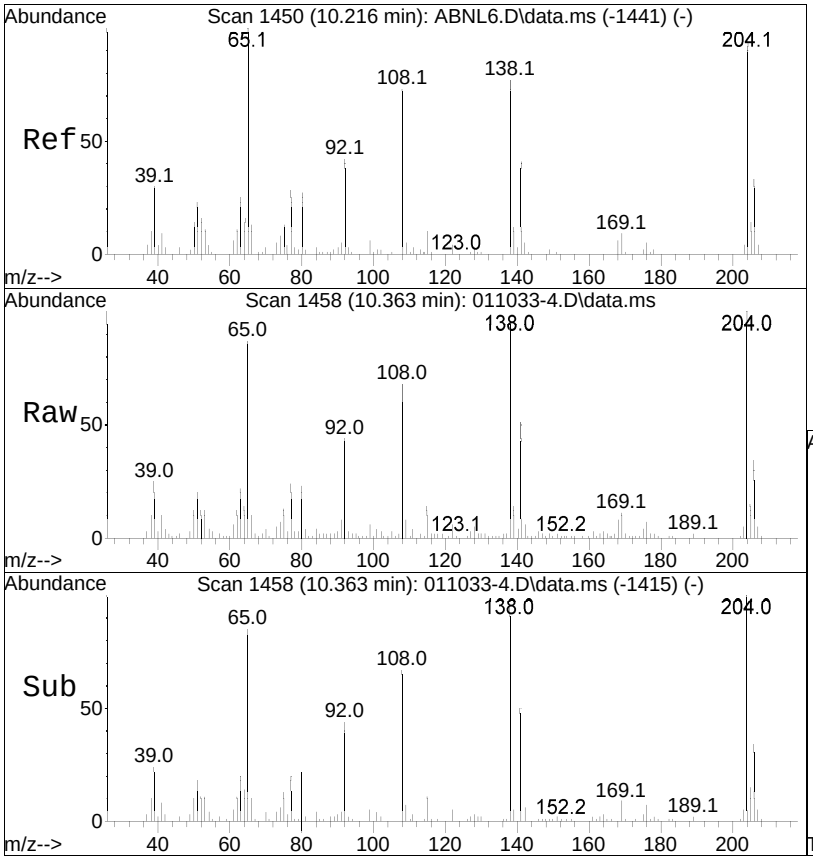


#74
4-Chlorophenyl phenyl ether
Concen: 1.50 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:204 Resp: 33632

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.6
141	58.9	53.6	80.4

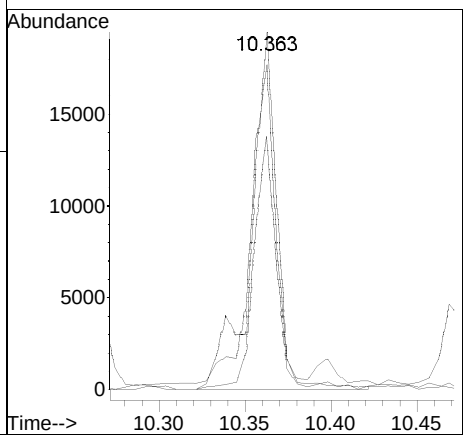


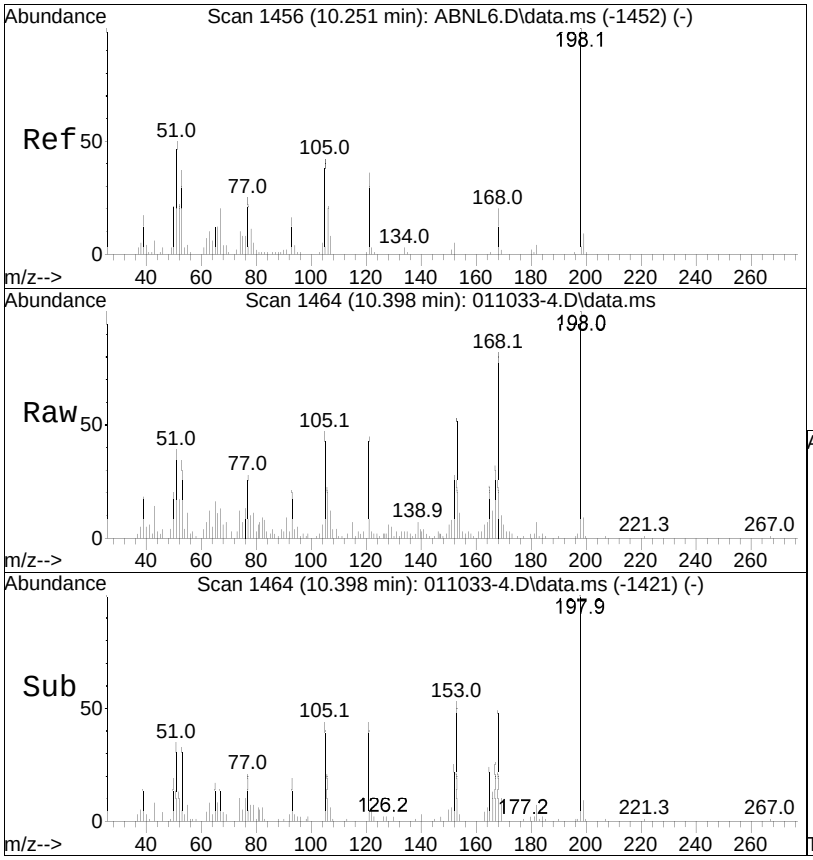


#75
4-Nitroaniline
Concen: 2.05 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:138 Resp: 20222

Ion	Ratio	Lower	Upper
138	100		
108	59.6	52.1	78.1
65	87.3	115.0	172.6#

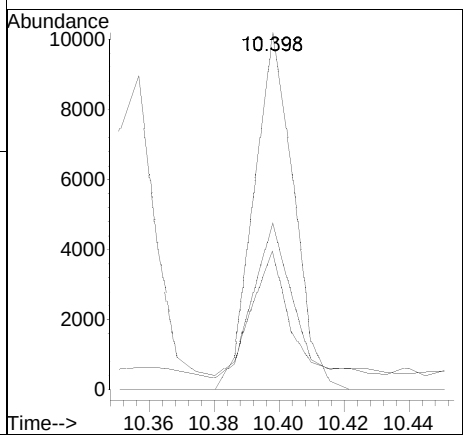


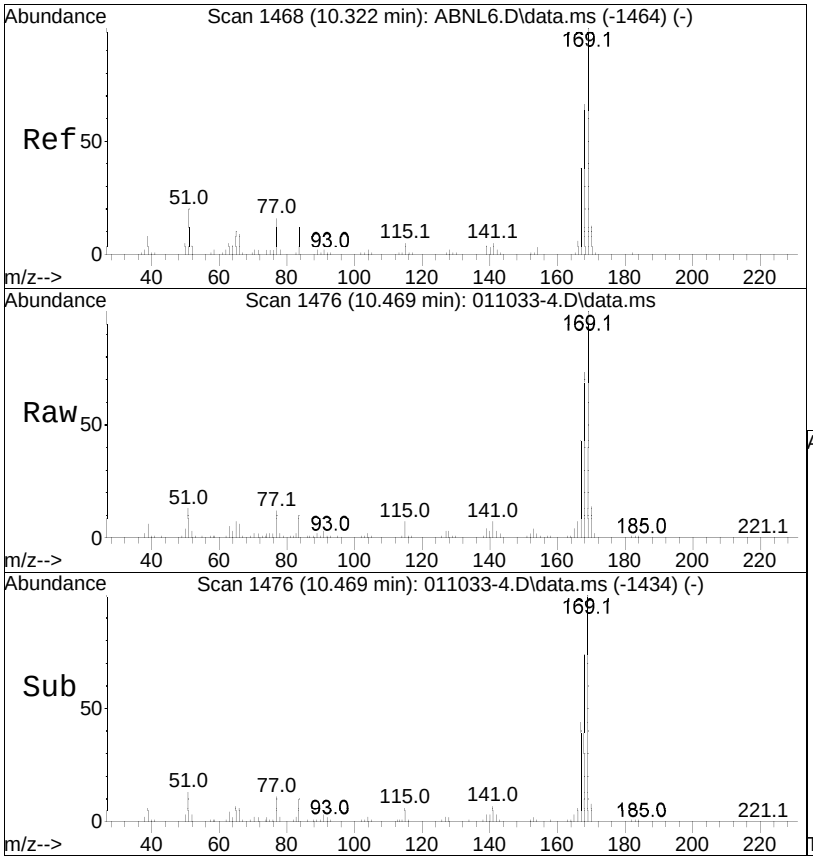


#76
4,6-Dinitro-o-cresol
Concen: 1.29 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:198 Resp: 8686

Ion	Ratio	Lower	Upper
198	100		
51	36.2	76.0	114.0#
105	44.3	45.6	68.4#

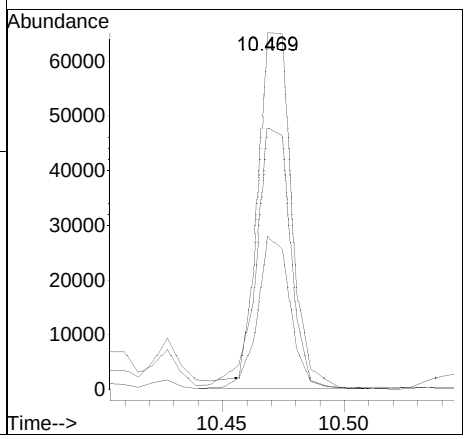


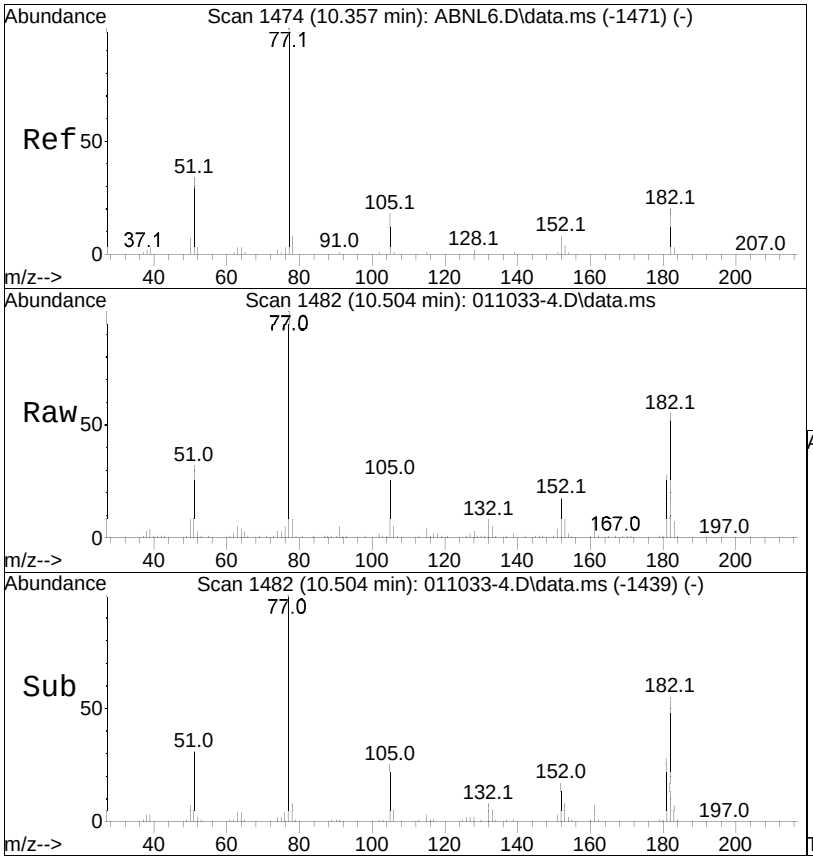


#77
NDPA/DPA
Concen: 1.66 ug/ml
RT: 10.469 min Scan# 1476
Delta R.T. -0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:169 Resp: 62697

Ion	Ratio	Lower	Upper
169	100		
168	75.5	54.0	81.0
167	42.9	28.6	42.8#

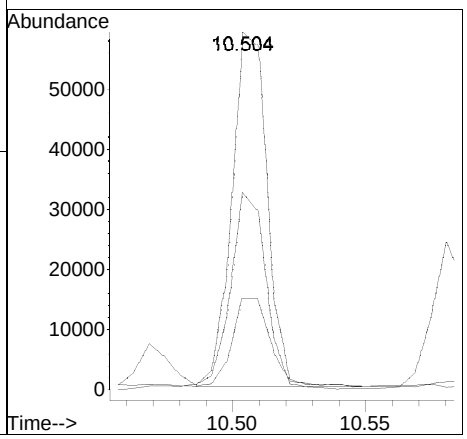


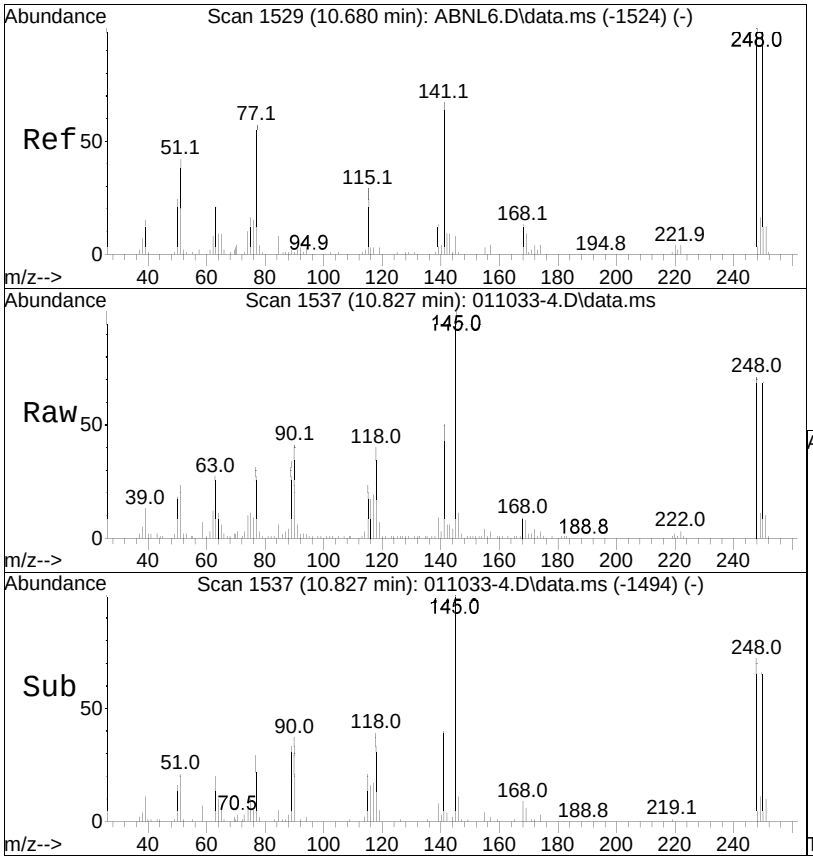


#78
Azobenzene
Concen: 1.47 ug/ml
RT: 10.504 min Scan# 1482
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion: 77 Resp: 54295

Ion	Ratio	Lower	Upper
77	100		
182	58.4	17.4	26.2#
105	27.5	15.4	23.2#

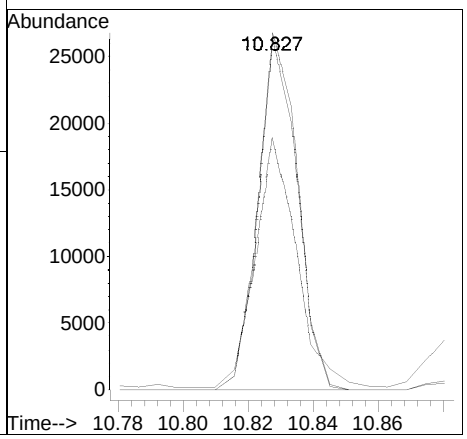


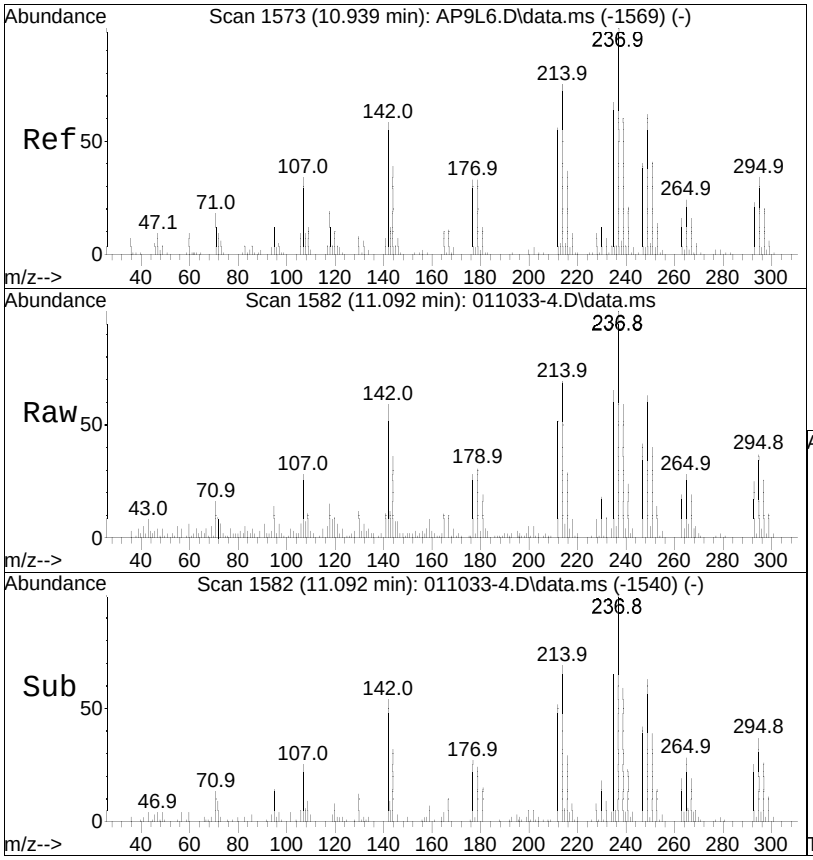


#80
4-Bromophenyl phenyl ether
Concen: 1.61 ug/ml
RT: 10.827 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:248 Resp: 22428

Ion	Ratio	Lower	Upper
248	100		
141	73.0	76.6	114.8#
250	97.0	77.3	115.9

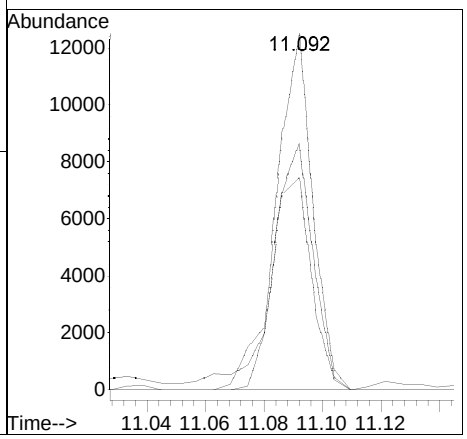


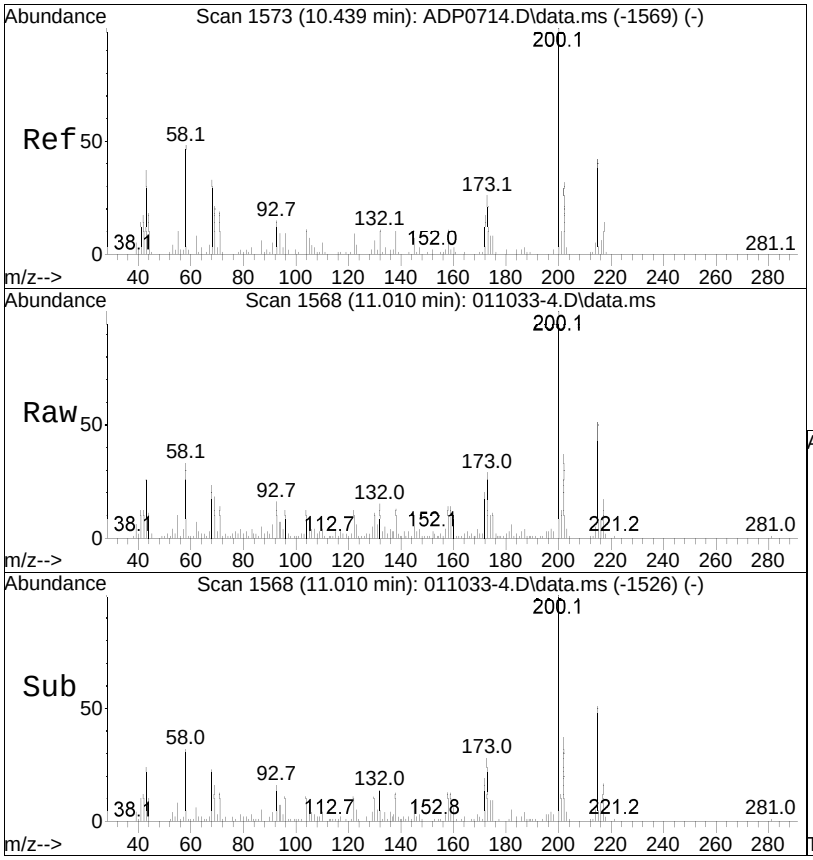


#85
Pentachloronitrobenzene
Concen: 1.88 ug/ml
RT: 11.092 min Scan# 1582
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:237 Resp: 10889

Ion	Ratio	Lower	Upper
237	100		
142	69.7	77.0	115.4#
214	71.2	58.2	87.4

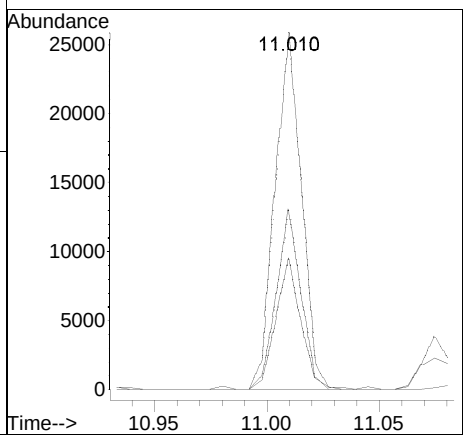


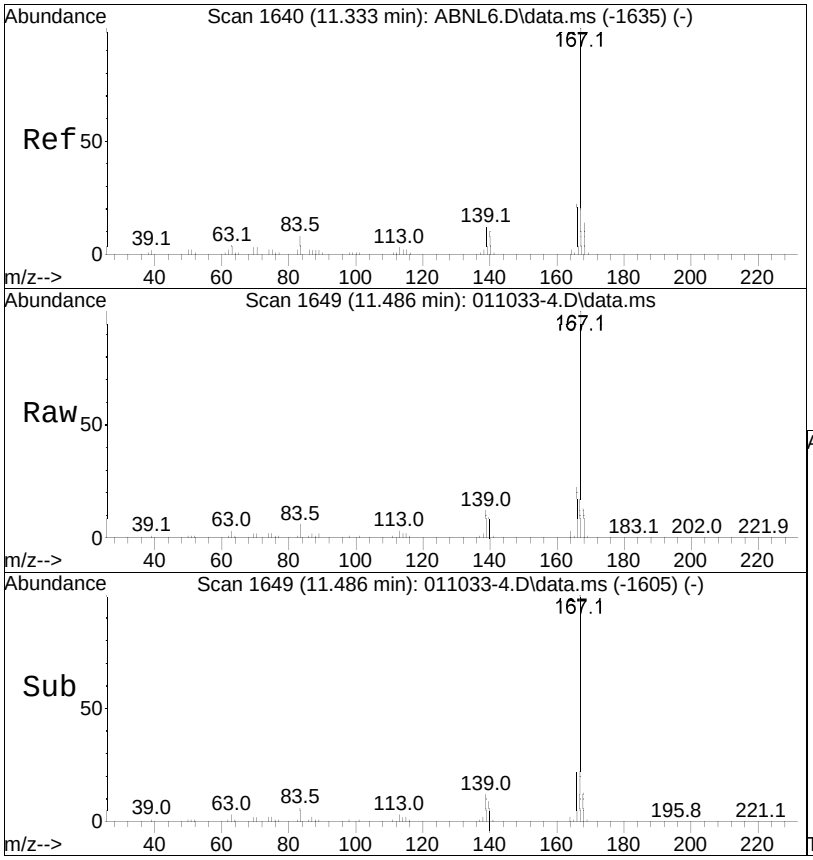


#87
Atrazine
Concen: 1.69 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:200 Resp: 21000

Ion	Ratio	Lower	Upper
200	100		
202	34.8	25.8	38.6
215	47.0	40.2	60.4

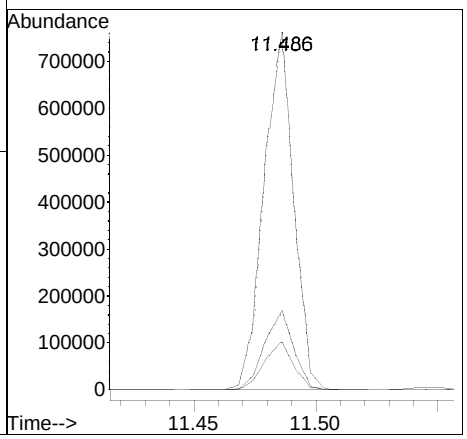


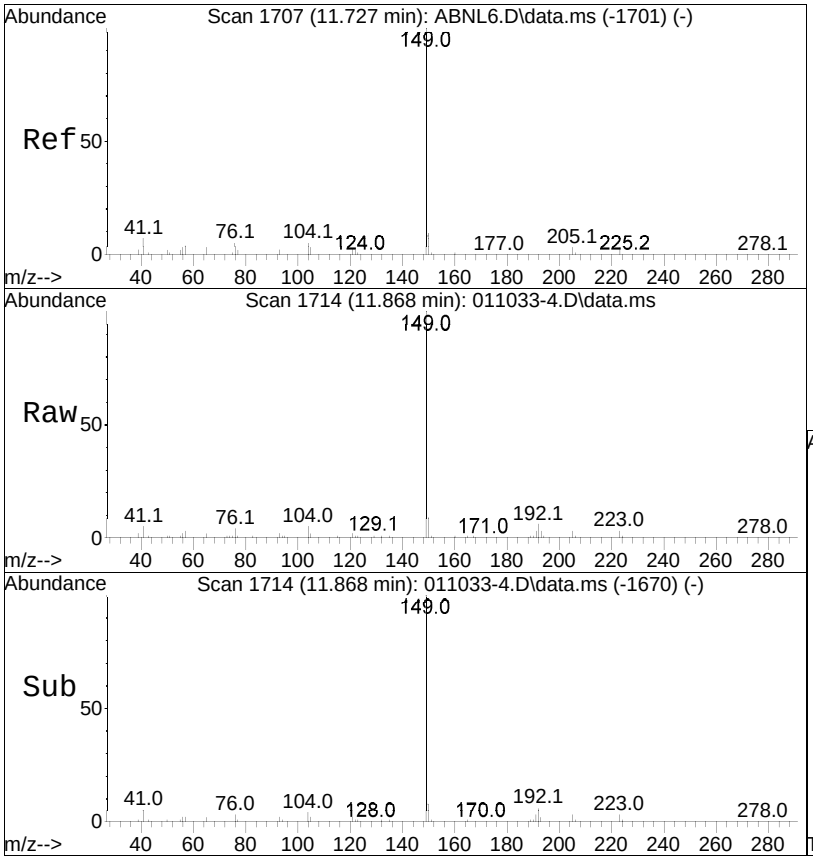


#91
Carbazole
Concen: 10.88 ug/ml
RT: 11.486 min Scan# 1649
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:167 Resp: 637798

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.0	17.4	26.0

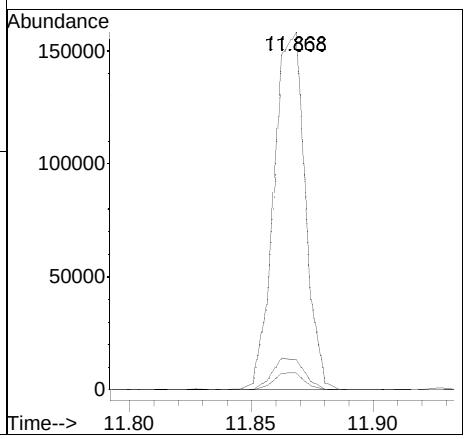


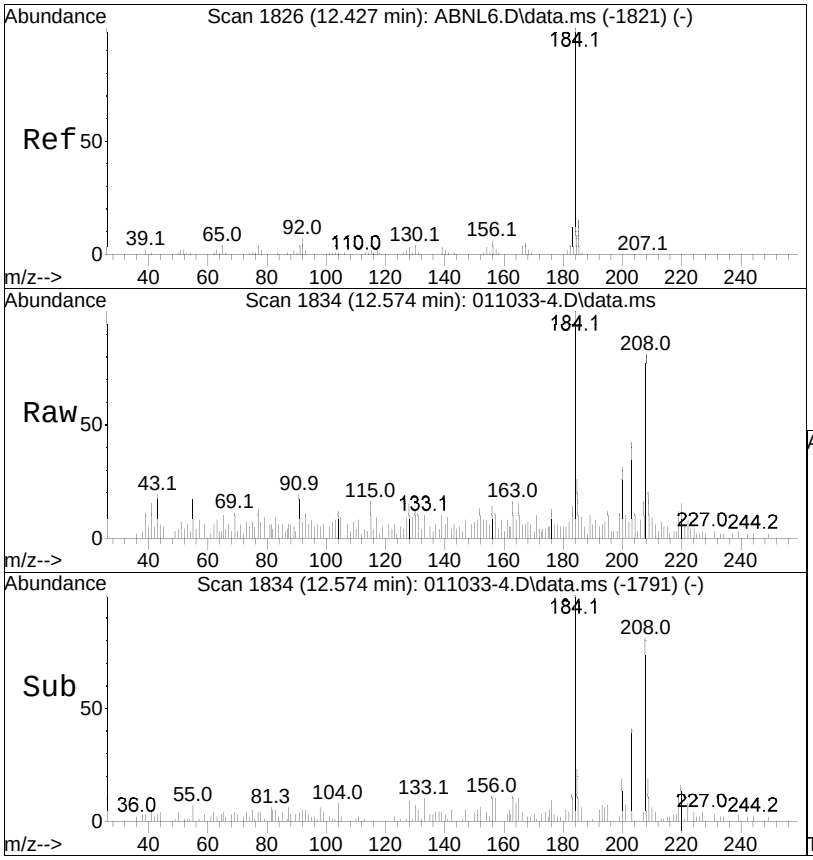


#92
Di-n-butylphthalate
Concen: 1.88 ug/ml
RT: 11.868 min Scan# 1714
Delta R.T. 0.006 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:149 Resp: 138048

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	5.0	4.5	6.7

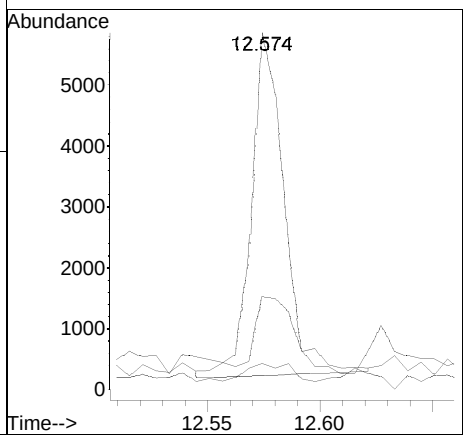


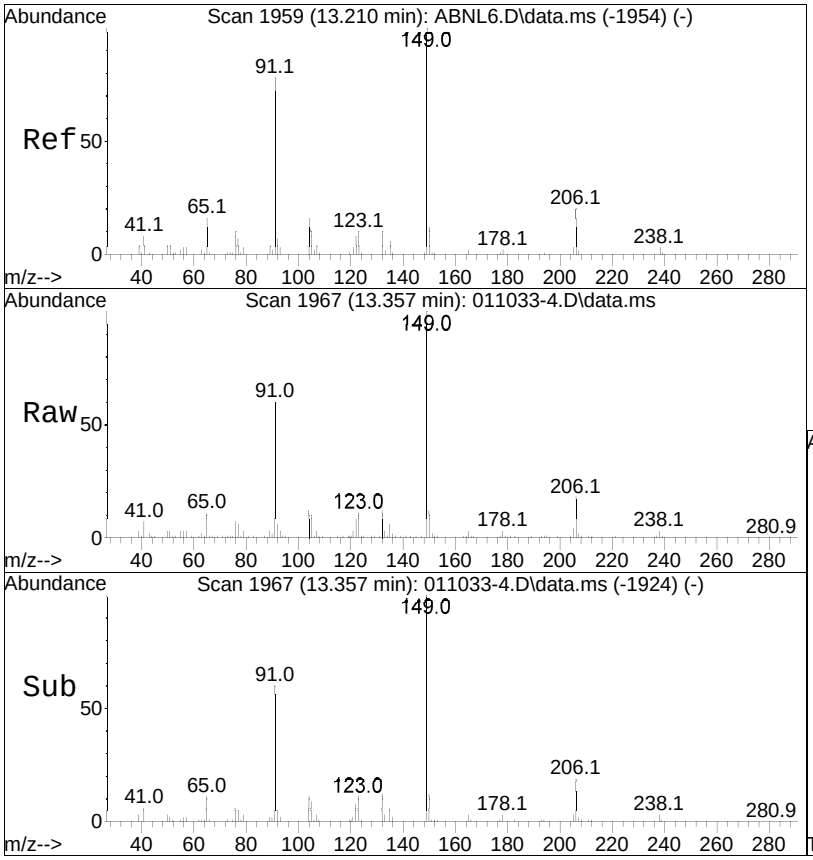


#94
Benzidine
Concen: 0.13 ug/ml
RT: 12.574 min Scan# 1834
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:184 Resp: 5675

Ion	Ratio	Lower	Upper
184	100		
92	0.0	9.1	13.7#
185	26.9	11.1	16.7#

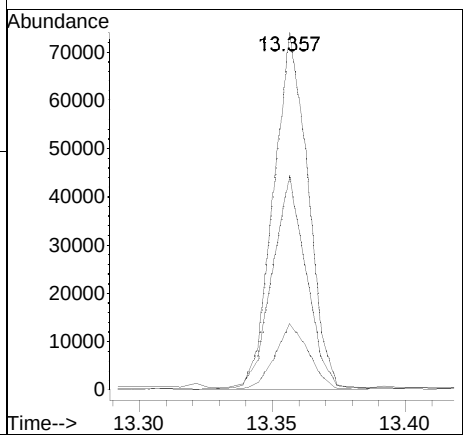


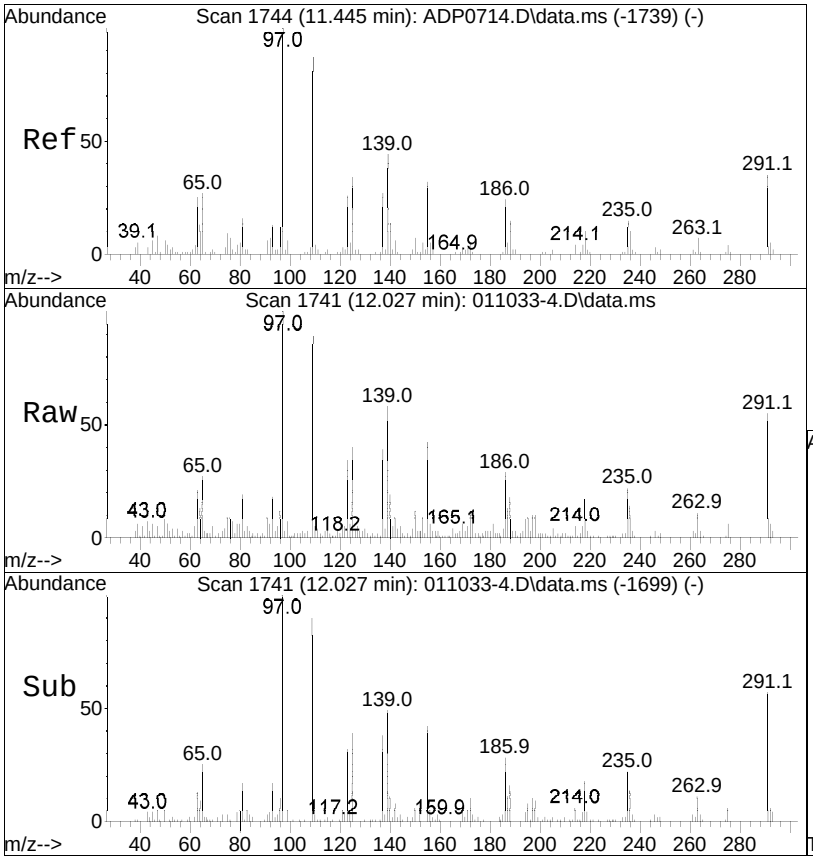


#97
Butyl benzyl phthalate
Concen: 2.14 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:149 Resp: 66124

Ion	Ratio	Lower	Upper
149	100		
91	58.1	63.3	94.9#
206	18.2	13.9	20.9

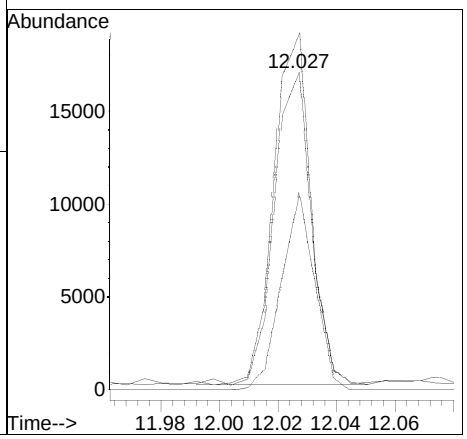


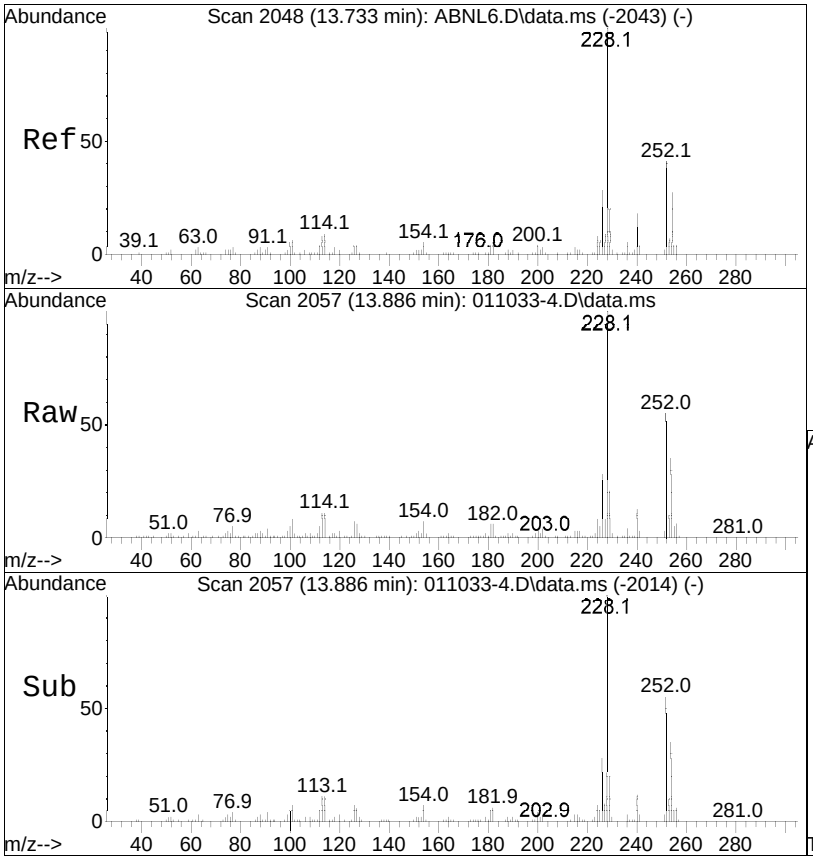


#102
Parathion
Concen: 2.32 ug/ml
RT: 12.027 min Scan# 1741
Delta R.T. -0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:109 Resp: 14688

Ion	Ratio	Lower	Upper
109	100		
97	113.2	87.4	131.2
291	56.9	34.2	51.2#

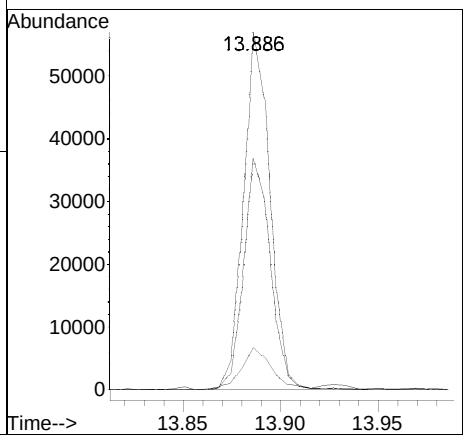


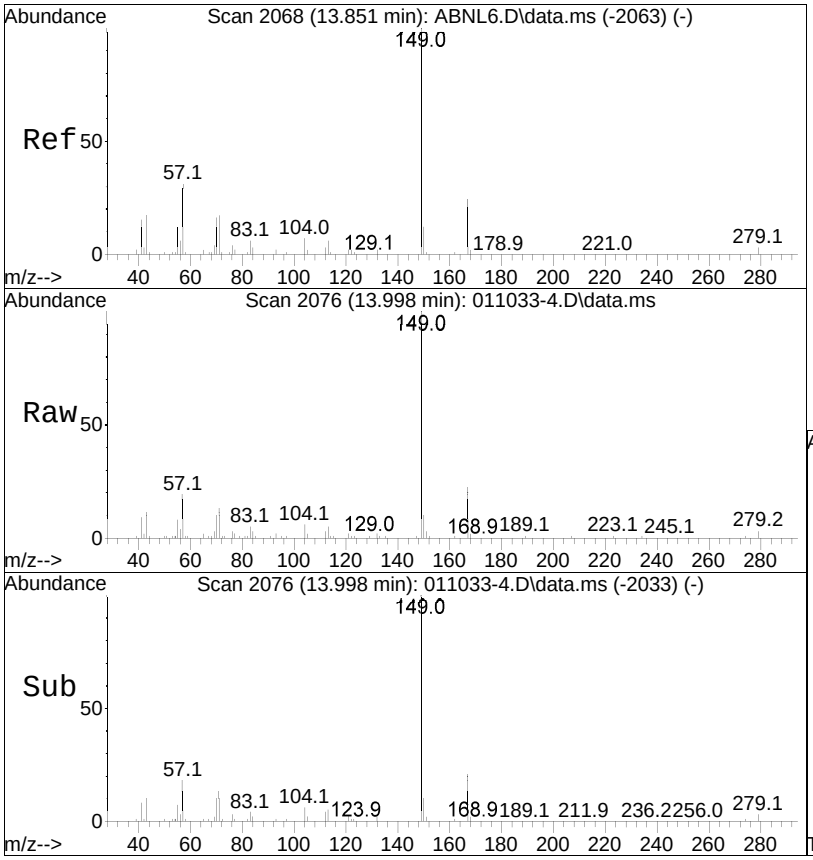


#106
3,3'-Dichlorobenzidine
Concen: 1.74 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:252 Resp: 53809

Ion	Ratio	Lower	Upper
252	100		
126	13.2	14.5	21.7#
254	65.8	51.2	76.8

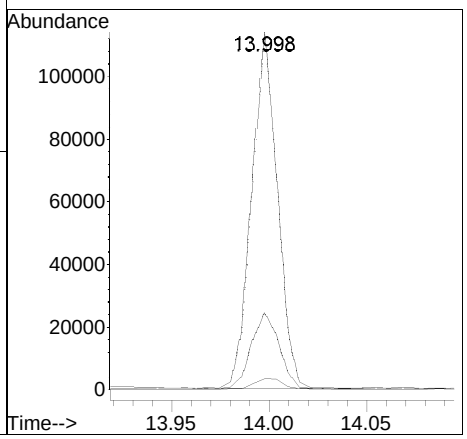


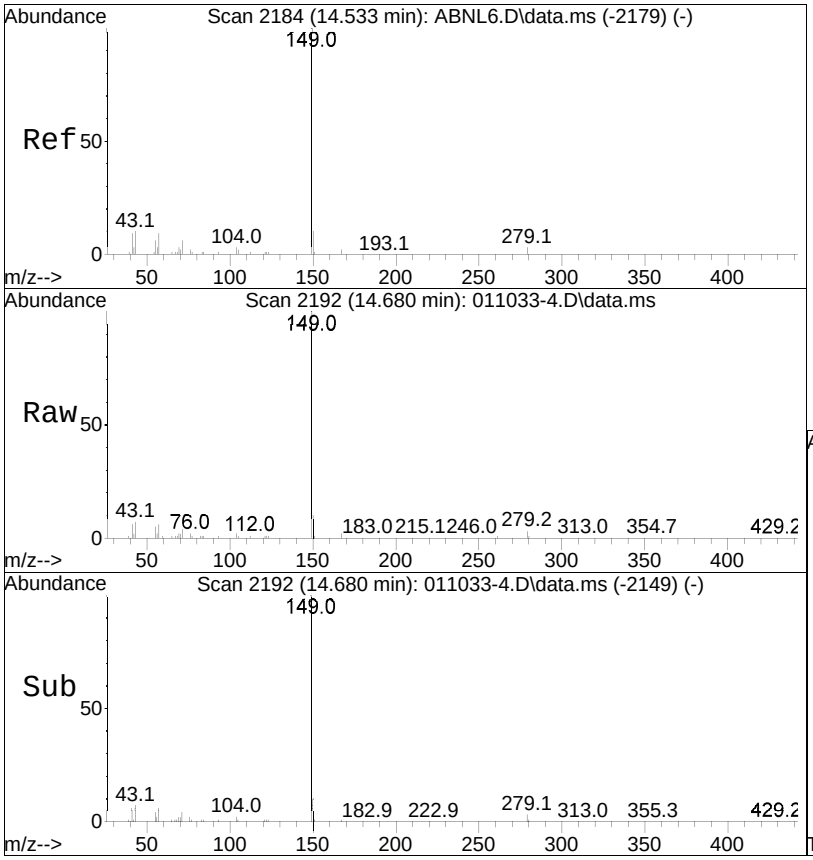


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.83 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:149 Resp: 103446

Ion	Ratio	Lower	Upper
149	100		
167	23.5	22.1	33.1
279	3.4	3.0	4.4

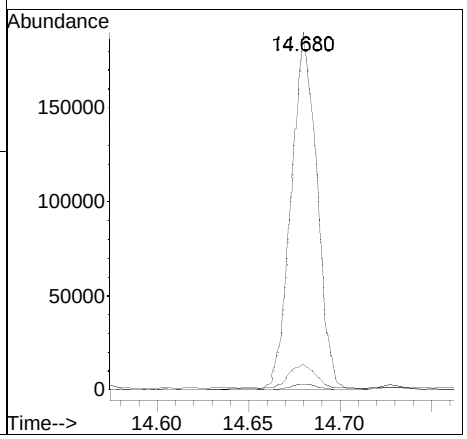




#109
Di-n-octylphthalate
Concen: 1.95 ug/ml
RT: 14.680 min Scan# 2192
Delta R.T. 0.000 min
Lab File: 011033-4.D
Acq: 19 Dec 2024 3:02 pm

Tgt Ion:149 Resp: 182740

Ion	Ratio	Lower	Upper
149	100		
43	7.0	18.8	28.2#
167	1.7	1.3	1.9



Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: 011033-4.D	Operator	: SV106:smz
Date Inj'd	: 12/19/2024 3:02 pm	Instrument	: SV 106
Sample	: WG2011033-4,32,,gmr	Quant Date	: 12/19/2024 3:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-6.D
Acq On : 19 Dec 2024 4:14 pm
Operator : SV106:smz
Sample : WG2011033-6,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 16:31:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.640	152	54629	4.000	ug/ml	0.00
Standard Area 1 = 59785			Recovery = 91.38%			
27) IS2_1,4-Dichlorobenzen...	6.640	152	54629	4.000	ug/ml	0.00
Standard Area 3 = 57436			Recovery = 95.11%			
35) IS1_Naphthalene-d8	8.045	136	202184	4.000	ug/ml	0.00
Standard Area 1 = 236263			Recovery = 85.58%			
55) IS2_Naphthalene-d8	8.045	136	202184	4.000	ug/ml	0.00
Standard Area 3 = 223802			Recovery = 90.34%			
63) IS1_Acenaphthene-d10	9.804	164	121389	4.000	ug/ml	0.00
Standard Area 1 = 135584			Recovery = 89.53%			
83) IS2_Acenaphthene-d10	9.804	164	121389	4.000	ug/ml	0.00
Standard Area 3 = 135210			Recovery = 89.78%			
86) IS3_Acenaphthene-d10	9.804	164	121389	4.000	ug/ml	0.00
Standard Area 2 = 151712			Recovery = 80.01%			
88) IS1_Phenanthrene-d10	11.245	188	221582	4.000	ug/ml	0.00
Standard Area 1 = 265683			Recovery = 83.40%			
100) IS3_Phenanthrene-d10	11.245	188	221582	4.000	ug/ml	0.00
Standard Area 2 = 298371			Recovery = 74.26%			
104) IS1_Chrysene-d12	13.898	240	267899	4.000	ug/ml	0.00
Standard Area 1 = 288586			Recovery = 92.83%			
113) IS1_Perylene-d12	15.380	264	320644	4.000	ug/ml	0.00
Standard Area 1 = 335704			Recovery = 95.51%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	11589	0.682	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.10%			
7) Phenol-d6	6.269	99	11942	0.584	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.20%			
19) Nitrobenzene-d5	7.281	82	11101	0.598	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.80%			
46) 2-Fluorobiphenyl	9.163	172	28658	0.612	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.20%			
79) 2,4,6-Tribromophenol	10.575	330	7412	1.079	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.95%			
96) 4-Terphenyl-d14	12.833	244	44118	0.742	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.20%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-6.D
Acq On : 19 Dec 2024 4:14 pm
Operator : SV106:smz
Sample : WG2011033-6,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 16:31:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.369	74	9134	0.880	ug/ml#	64
3) Pyridine	2.457	79	5095	0.306	ug/ml#	51
5) Aniline	6.240	93	16453	0.680	ug/ml	93
6) 2-Chlorophenol	6.381	128	19291	1.035	ug/ml#	86
8) Phenol	6.287	94	14142	0.666	ug/ml	94
9) Bis(2-chloroethyl)ether	6.363	93	20611	1.179	ug/ml	98
10) 1,3-Dichlorobenzene	6.563	146	25440	1.116	ug/ml	97
11) 1,4-Dichlorobenzene	6.657	146	26473	1.140	ug/ml	98
12) 1,2-Dichlorobenzene	6.834	146	25734	1.156	ug/ml	95
13) Benzyl alcohol	6.840	79	13687	0.945	ug/ml	96
14) Bis(2-chloroisopropyl)...	7.010	45	22272	0.810	ug/ml#	27
15) 2-Methylphenol	7.004	108	17944	1.170	ug/ml	96
17) n-Nitrosodi-n-propylamine	7.157	70	15484	1.206	ug/ml	98
18) 3-Methylphenol/4-Methy...	7.187	108	18679	1.116	ug/ml	98
20) Nitrobenzene	7.304	77	22946	1.210	ug/ml	94
21) Isophorone	7.581	82	41980	1.272	ug/ml#	98
22) 2-Nitrophenol	7.657	139	10431	1.072	ug/ml#	82
23) 2,4-Dimethylphenol	7.751	107	14492	0.949	ug/ml	95
24) Bis(2-chloroethoxy)met...	7.839	93	27630	1.253	ug/ml	98
25) 2,4-Dichlorophenol	7.916	162	19161	1.122	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.998	180	24011	1.214	ug/ml	94
28) Benzaldehyde	6.081	105	19005	1.468	ug/ml	87
29) Acetophenone	7.122	105	36189	1.449	ug/ml#	78
37) Benzoic Acid	7.804	105	6792	1.752	ug/ml	91
38) 4-Chloroaniline	8.145	65	5271	0.823	ug/ml#	56
40) p-Chloro-m-cresol	8.669	107	20910	1.396	ug/ml	98
43) Hexachlorocyclopentadiene	8.957	237	9607	0.726	ug/ml	99
44) 2,4,6-Trichlorophenol	9.075	196	14483	1.041	ug/ml	97
45) 2,4,5-Trichlorophenol	9.104	196	15512	1.077	ug/ml	98
48) 2-Nitroaniline	9.369	138	17018	1.508	ug/ml#	78
51) Dimethyl phthalate	9.569	163	69066	1.494	ug/ml#	98
53) 2,6-Dinitrotoluene	9.616	165	14739	1.568	ug/ml#	68
60) Caprolactam	8.469	55	3926	0.530	ug/ml#	53
61) 1,2,4,5-Tetrachloroben...	8.951	216	28266	1.392	ug/ml	95
62) Biphenyl	9.251	154	64791	1.413	ug/ml	99
64) 3-Nitroaniline	9.775	138	14052	1.434	ug/ml	88
66) 2,4-Dinitrophenol	9.875	184	2809	1.557	ug/ml#	73

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-6.D
Acq On : 19 Dec 2024 4:14 pm
Operator : SV106:smz
Sample : WG2011033-6,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 16:31:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	Dibenzofuran	10.004	168	84866	1.494	ug/ml	96
68)	2,4-Dinitrotoluene	10.004	165	20578	1.618	ug/ml#	83
69)	4-Nitrophenol	9.957	65	4798	0.662	ug/ml#	64
71)	2,3,4,6-Tetrachlorophenol	10.139	232	12433	1.063	ug/ml	97
72)	Diethyl phthalate	10.263	149	68615	1.489	ug/ml	98
74)	4-Chlorophenyl phenyl ...	10.357	204	30719	1.349	ug/ml	92
75)	4-Nitroaniline	10.363	138	15614	1.565	ug/ml#	73
76)	4,6-Dinitro-o-cresol	10.398	198	6030	0.995	ug/ml#	55
77)	NDPA/DPA	10.469	169	57040	1.490	ug/ml	100
78)	Azobenzene	10.504	77	49449	1.322	ug/ml#	85
80)	4-Bromophenyl phenyl e...	10.827	248	22187	1.573	ug/ml#	81
85)	Pentachloronitrobenzene	11.086	237	10103	1.723	ug/ml#	76
87)	Atrazine	11.004	200	19072	1.514	ug/ml	95
91)	Carbazole	11.480	167	88348	1.514	ug/ml	98
92)	Di-n-butylphthalate	11.863	149	128857	1.764	ug/ml	99
94)	Benzidine	12.574	184	17198	0.400	ug/ml#	94
97)	Butyl benzyl phthalate	13.357	149	60383	1.966	ug/ml#	82
102)	Parathion	12.027	109	12121	1.949	ug/ml	97
106)	3,3'-Dichlorobenzidine	13.886	252	60811	2.004	ug/ml#	95
108)	Bis(2-ethylhexyl)phtha...	13.998	149	97091	1.751	ug/ml#	95
109)	Di-n-octylphthalate	14.680	149	179459	1.951	ug/ml#	69

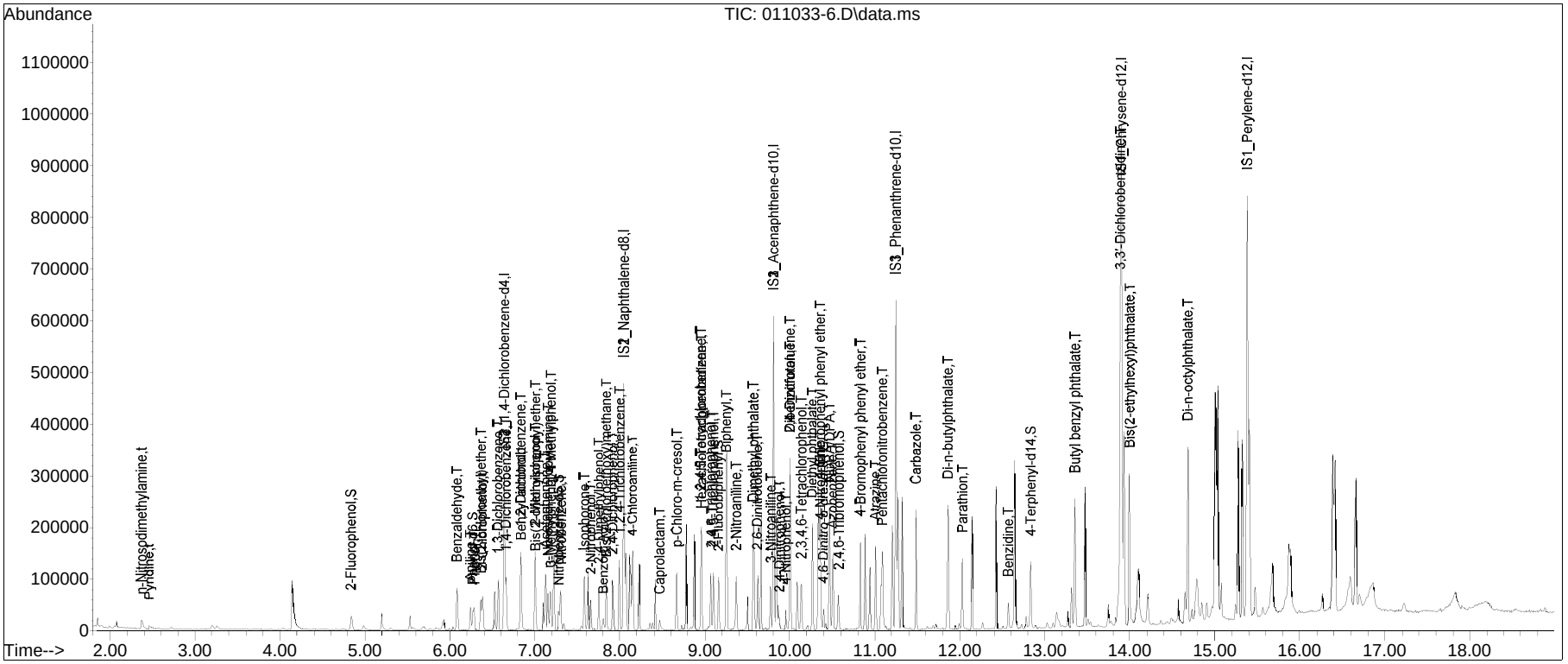
(#) = qualifier out of range (m) = manual integration (+) = signals summed

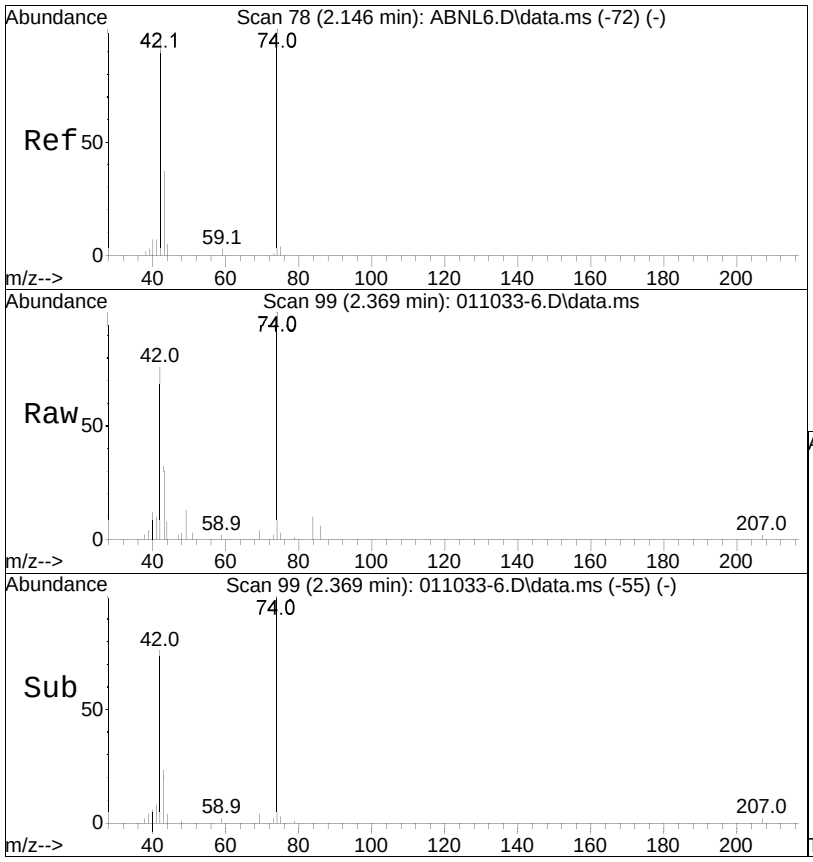
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-6.D
Acq On : 19 Dec 2024 4:14 pm
Operator : SV106:smz
Sample : WG2011033-6,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 16:31:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91219.D•

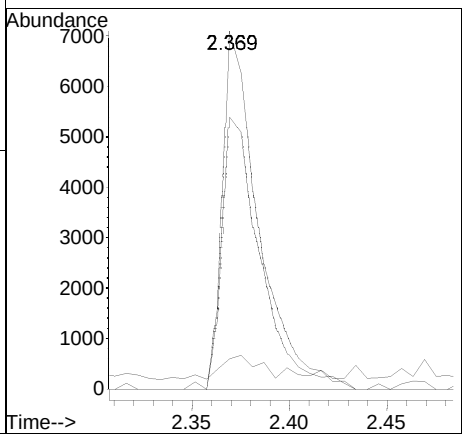


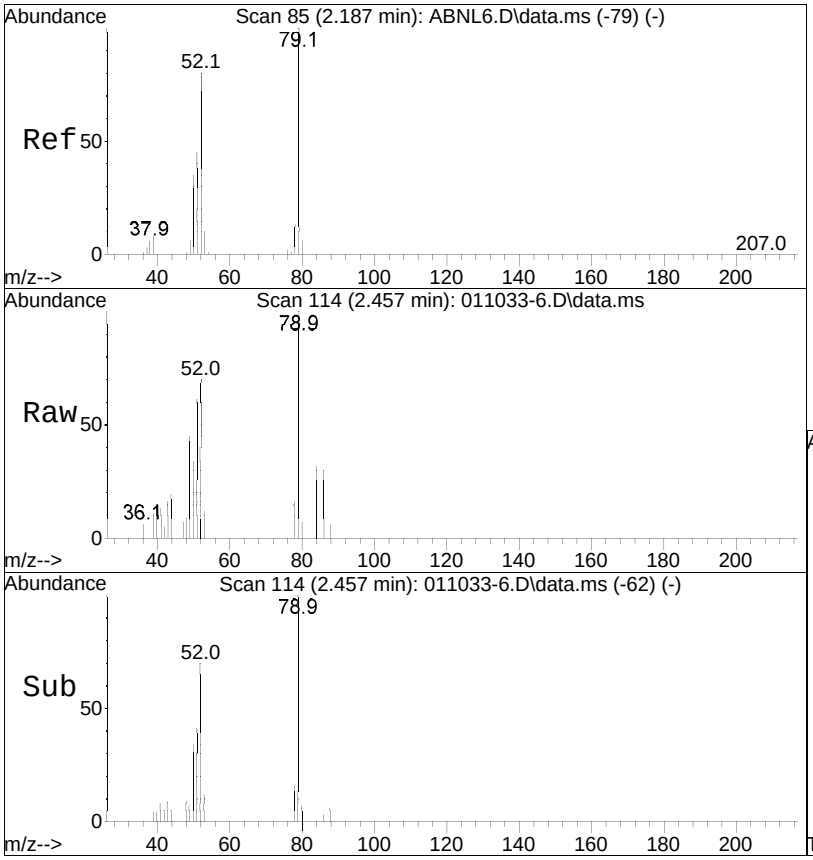


#2
n-Nitrosodimethylamine
Concen: 0.88 ug/ml
RT: 2.369 min Scan# 99
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 74 Resp: 9134

Ion	Ratio	Lower	Upper
74	100		
42	80.9	100.0	150.0#
44	9.4	6.7	10.1

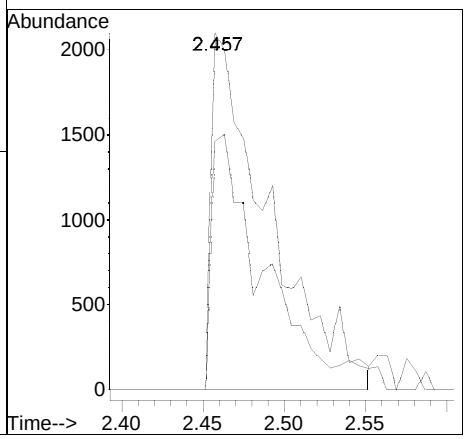


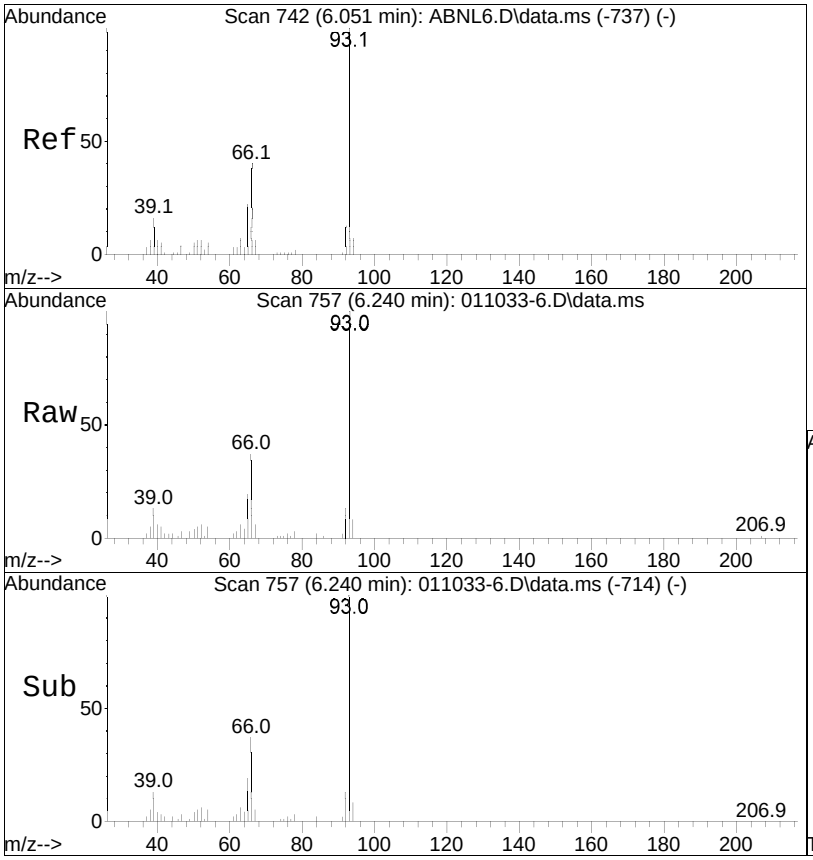


#3
Pyridine
Concen: 0.31 ug/ml
RT: 2.457 min Scan# 114
Delta R.T. 0.053 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 79 Resp: 5095

Ion	Ratio	Lower	Upper
79	100		
52	62.7	93.1	139.7#

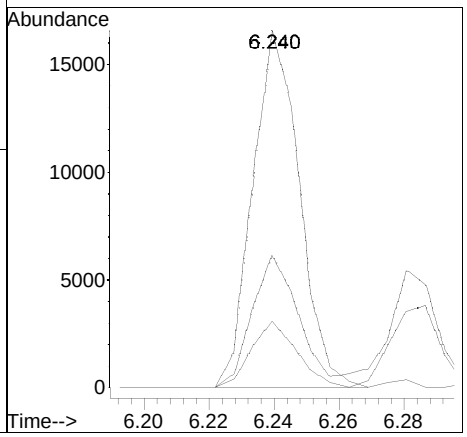


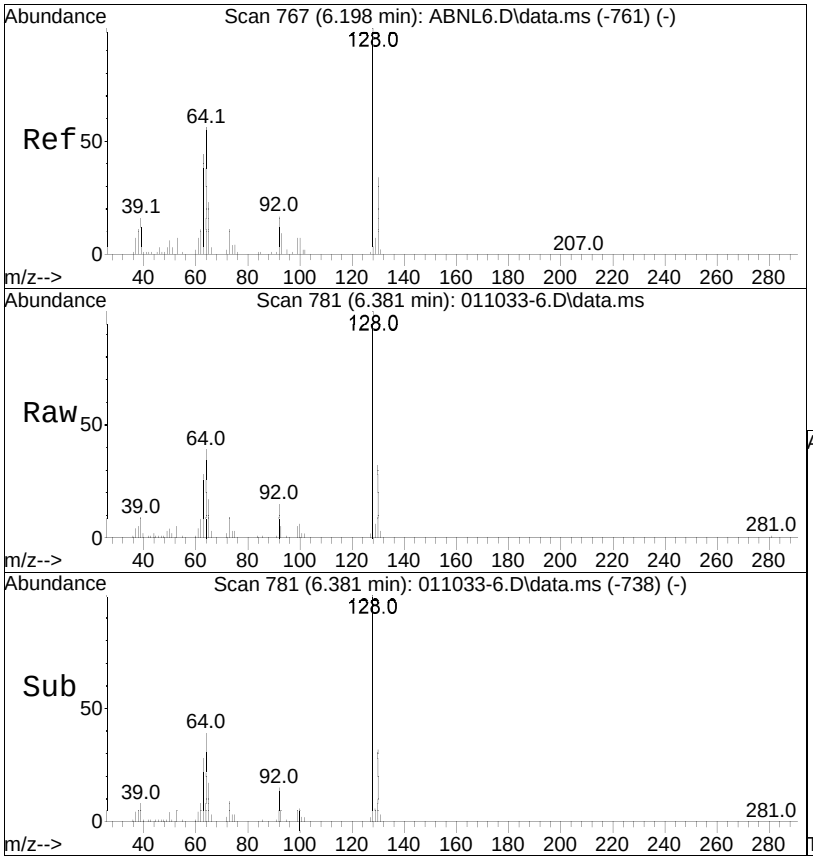


#5
Aniline
Concen: 0.68 ug/ml
RT: 6.240 min Scan# 757
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 93 Resp: 16453

Ion	Ratio	Lower	Upper
93	100		
66	36.9	32.6	49.0
65	18.2	17.6	26.4

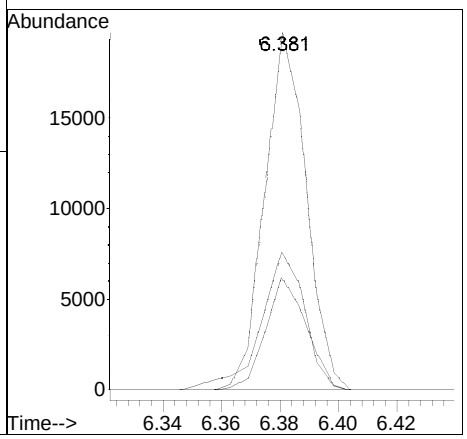


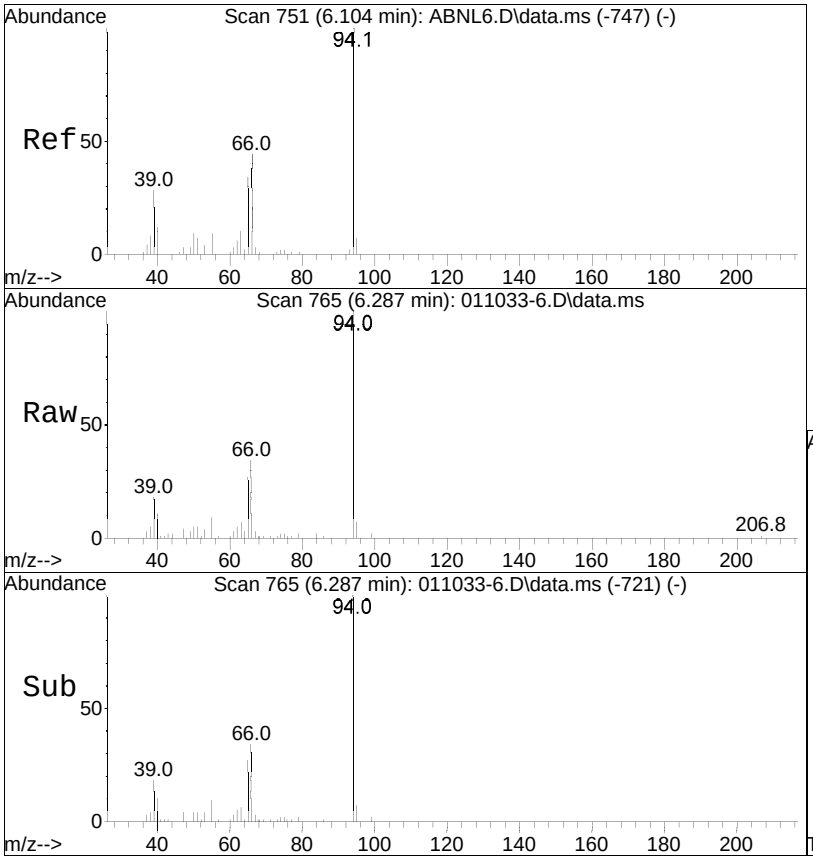


#6
2-Chlorophenol
Concen: 1.03 ug/ml
RT: 6.381 min Scan# 781
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:128 Resp: 19291

Ion	Ratio	Lower	Upper
128	100		
64	41.1	45.1	67.7#
130	31.2	26.2	39.4

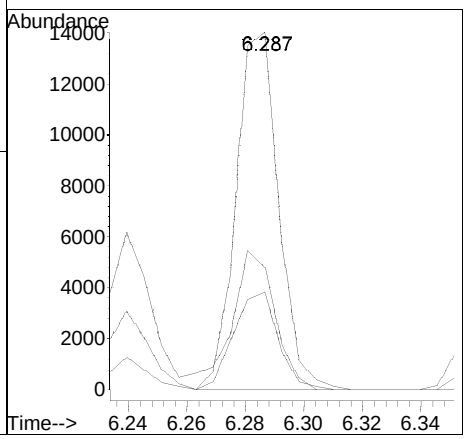


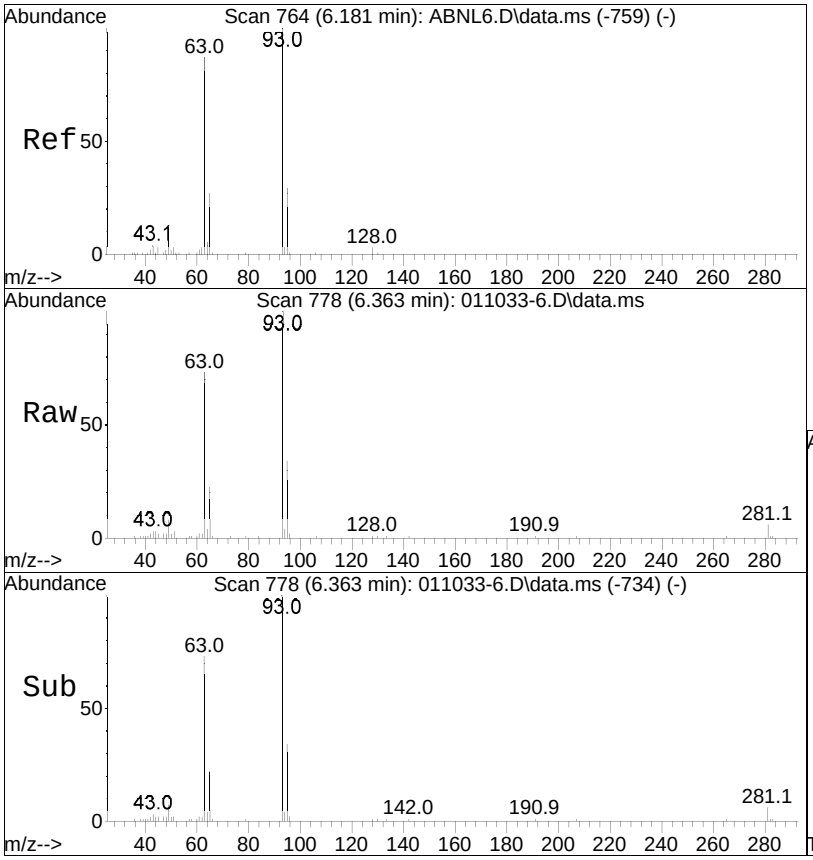


#8
Phenol
Concen: 0.67 ug/ml
RT: 6.287 min Scan# 765
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 94 Resp: 14142

Ion	Ratio	Lower	Upper
94	100		
65	28.7	26.0	39.0
66	38.7	33.8	50.8

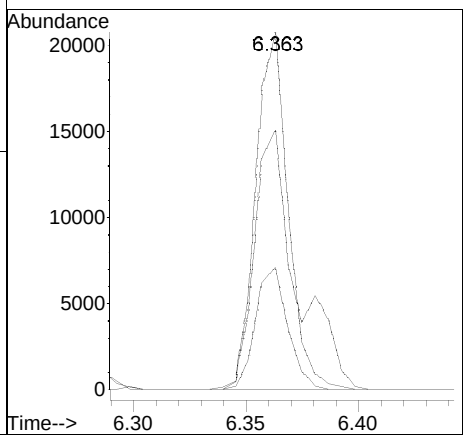


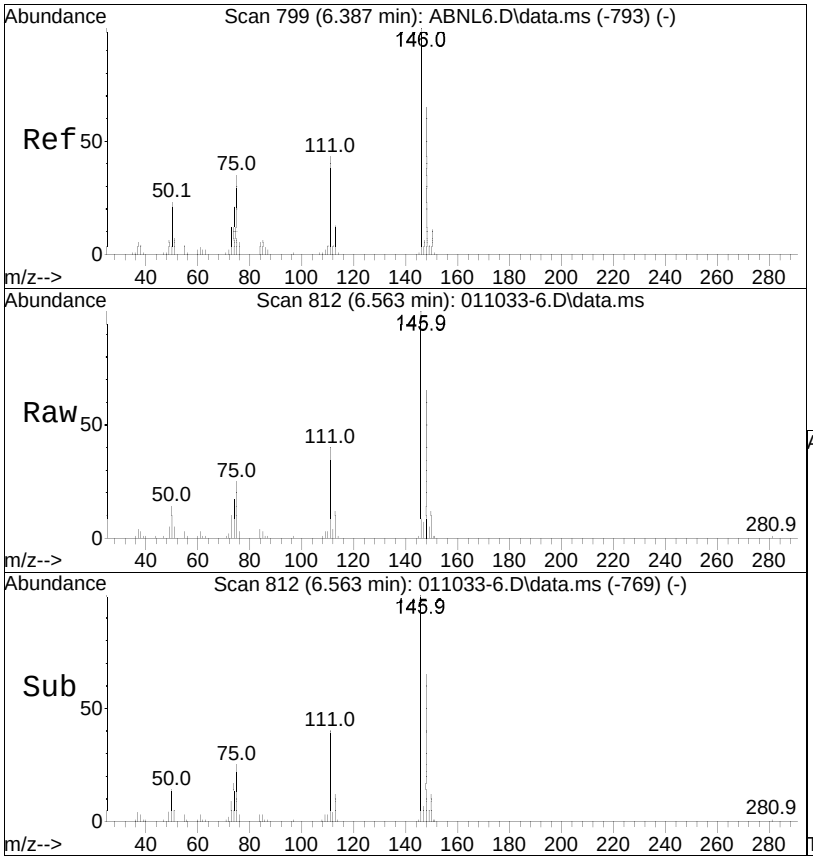


#9
Bis(2-chloroethyl)ether
Concen: 1.18 ug/ml
RT: 6.363 min Scan# 778
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 93 Resp: 20611

Ion	Ratio	Lower	Upper
93	100		
63	94.9	74.6	111.8
95	34.2	25.9	38.9

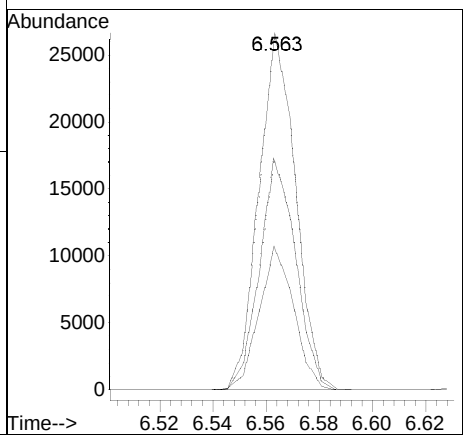


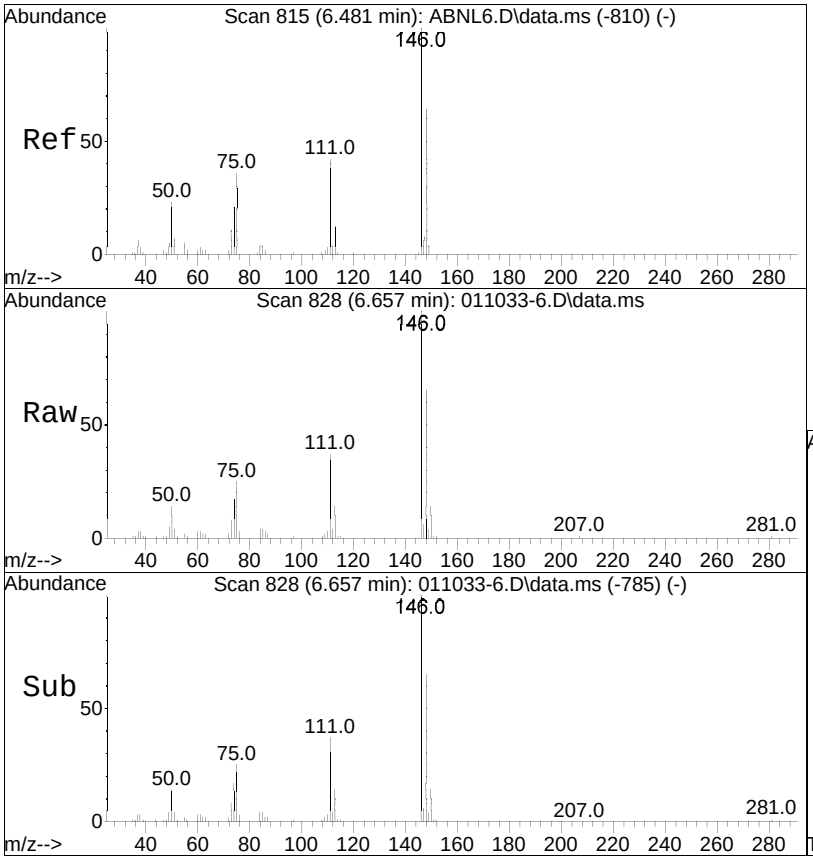


#10
1,3-Dichlorobenzene
Concen: 1.12 ug/ml
RT: 6.563 min Scan# 812
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:146 Resp: 25440

Ion	Ratio	Lower	Upper
146	100		
111	38.2	34.3	51.5
148	63.9	50.8	76.2

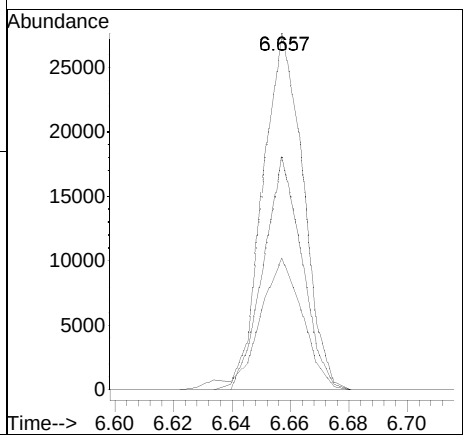


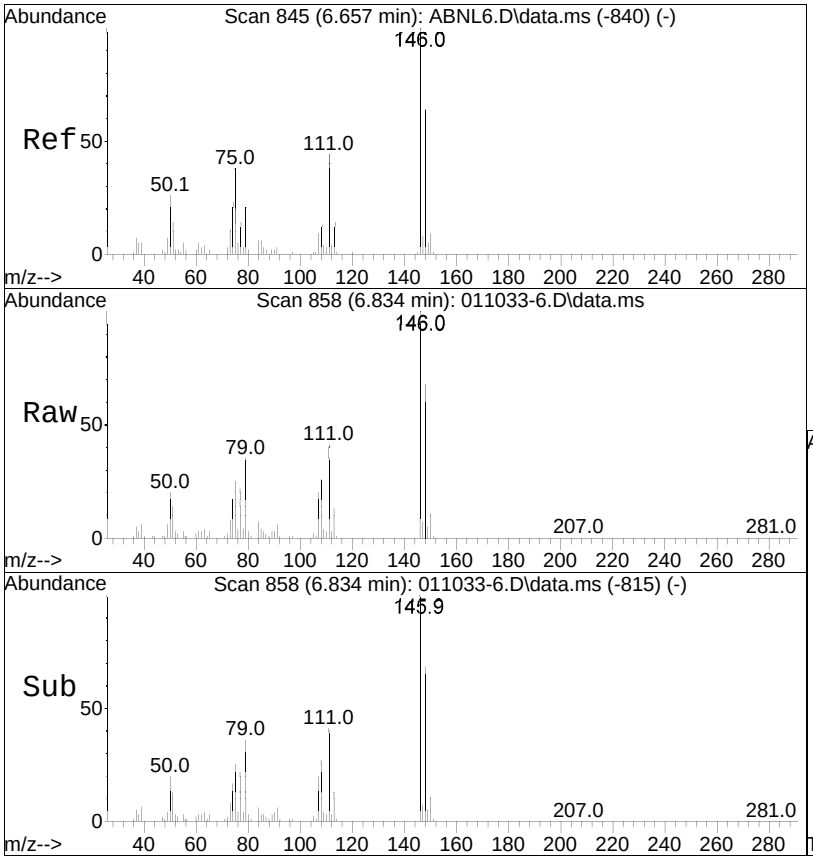


#11
1,4-Dichlorobenzene
Concen: 1.14 ug/ml
RT: 6.657 min Scan# 828
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:146 Resp: 26473

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.7	76.1
111	39.9	33.4	50.0

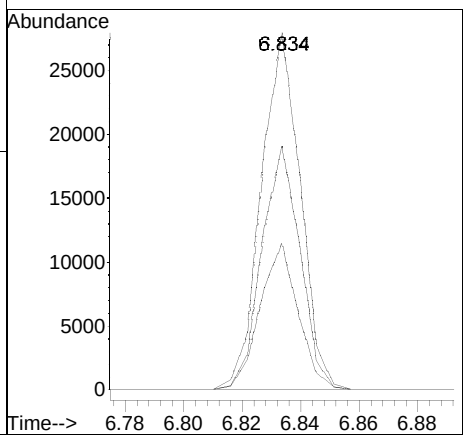


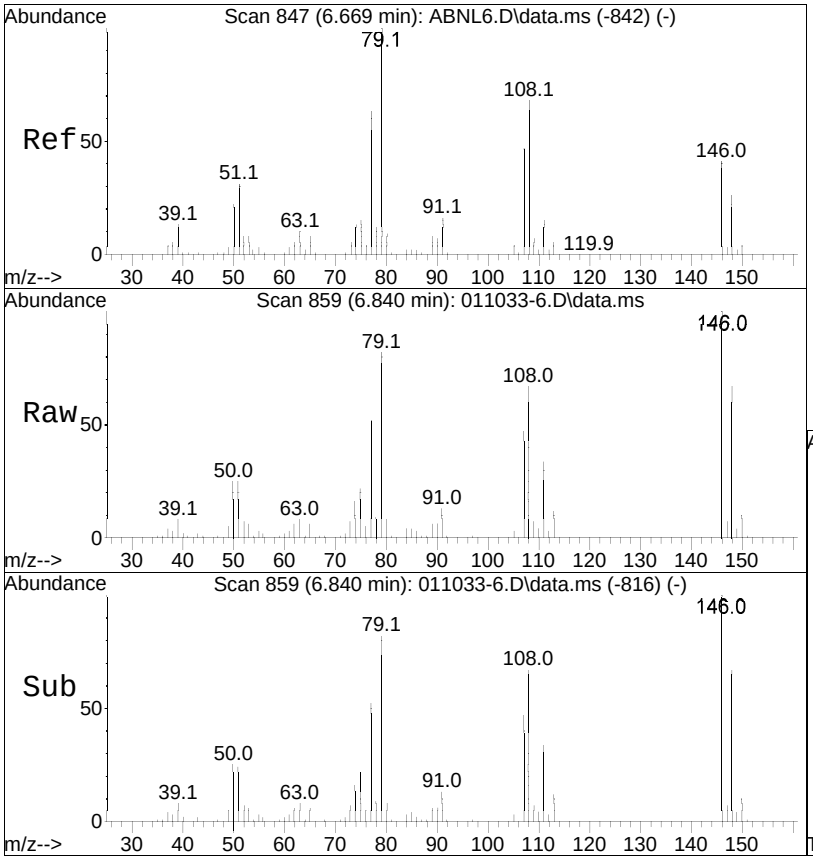


#12
1,2-Dichlorobenzene
Concen: 1.16 ug/ml
RT: 6.834 min Scan# 858
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:146 Resp: 25734

Ion	Ratio	Lower	Upper
146	100		
111	40.2	34.6	52.0
148	66.9	50.2	75.4

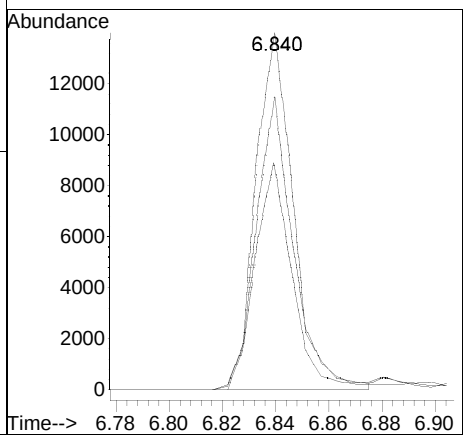


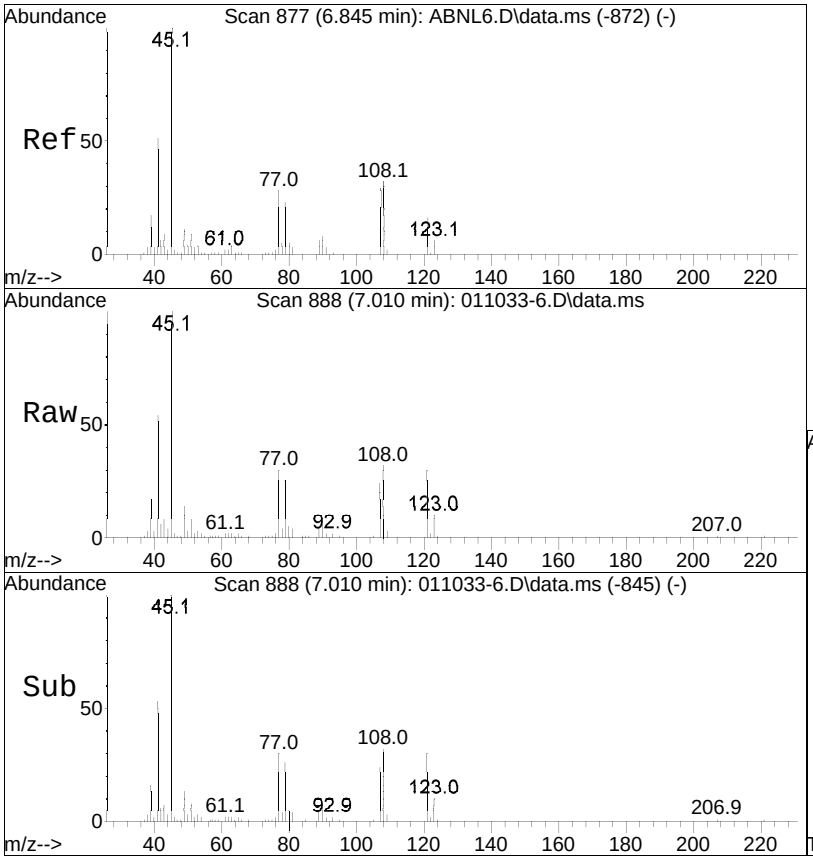


#13
Benzyl alcohol
Concen: 0.95 ug/ml
RT: 6.840 min Scan# 859
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 79 Resp: 13687

Ion	Ratio	Lower	Upper
79	100		
77	62.9	54.9	82.3
108	80.7	63.1	94.7

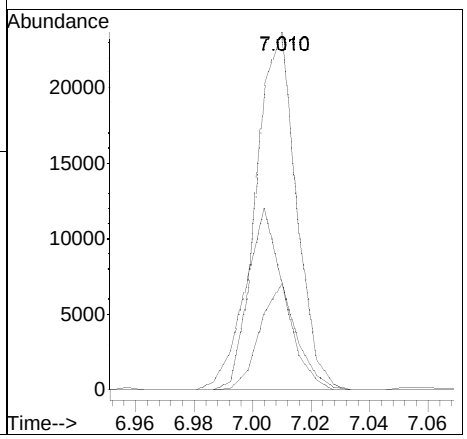


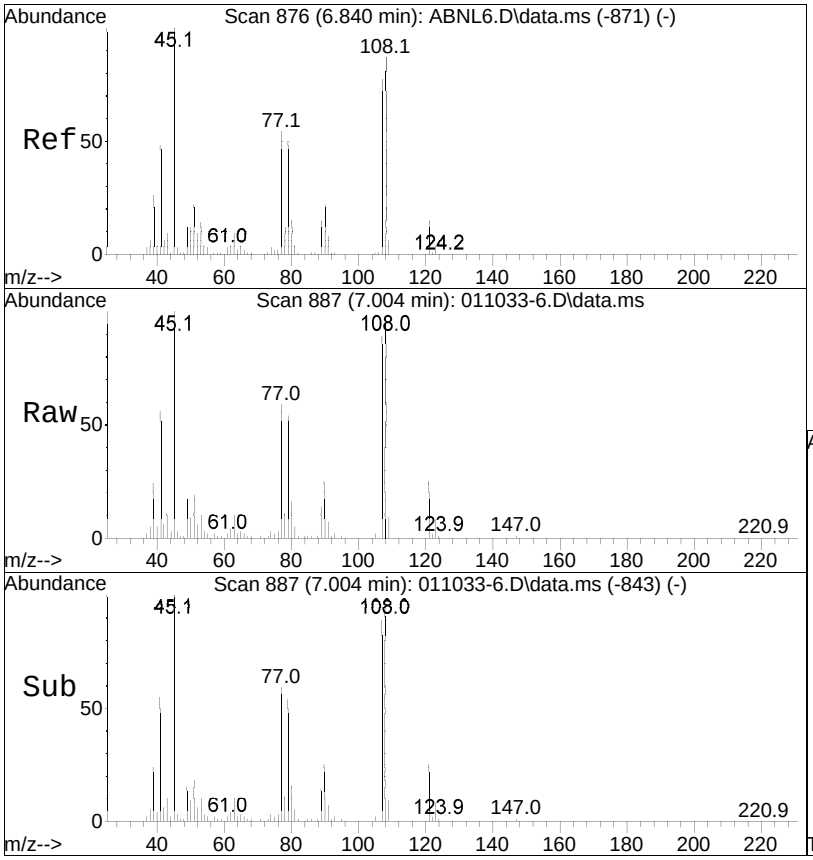


#14
Bis(2-chloroisopropyl)ether
Concen: 0.81 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 45 Resp: 22272

Ion	Ratio	Lower	Upper
45	100		
121	27.9	9.8	14.6#
77	51.1	6.1	9.1#

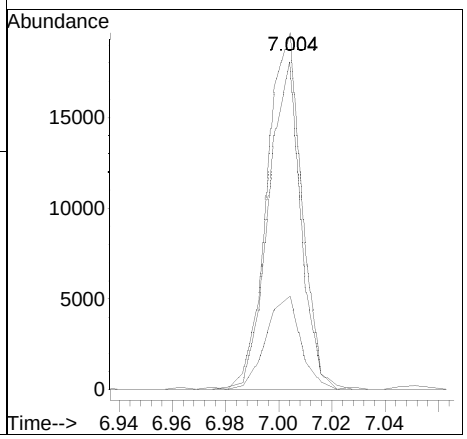


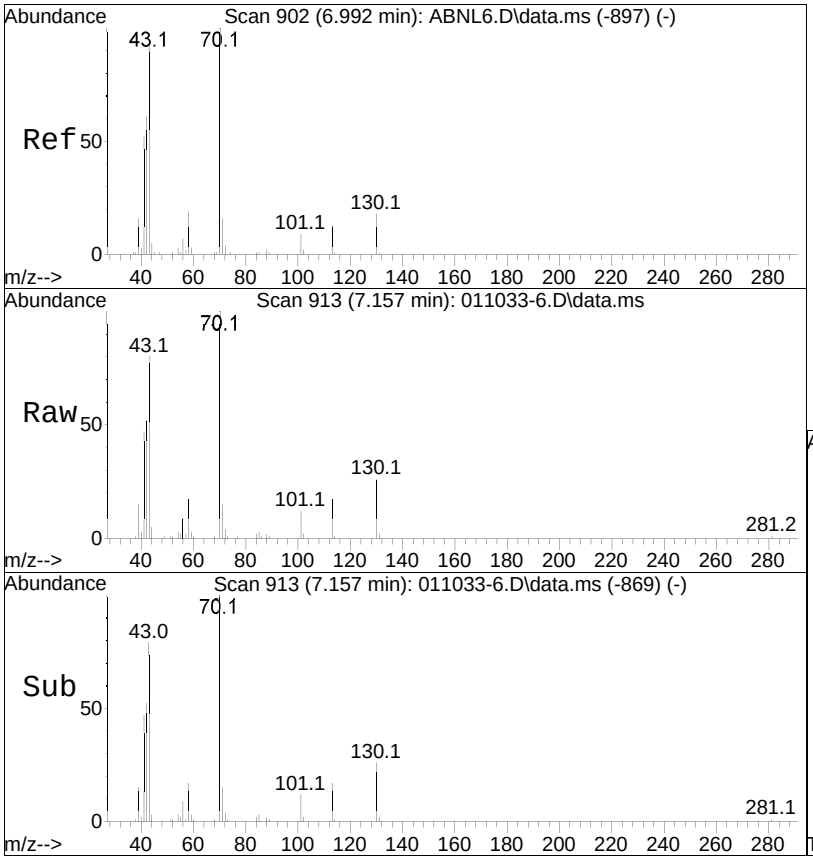


#15
2-Methylphenol
Concen: 1.17 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:108 Resp: 17944

Ion	Ratio	Lower	Upper
108	100		
107	85.3	70.7	106.1
90	26.1	18.7	28.1

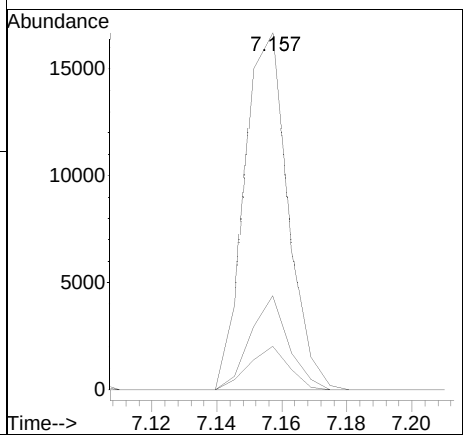


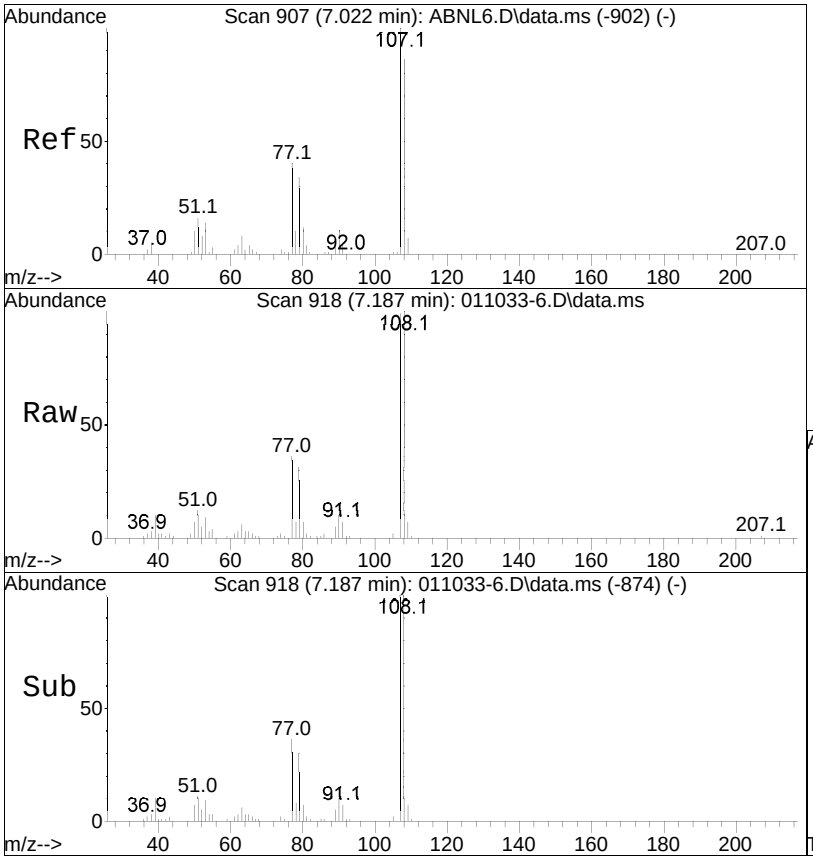


#17
n-Nitrosodi-n-propylamine
Concen: 1.21 ug/ml
RT: 7.157 min Scan# 913
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 70 Resp: 15484

Ion	Ratio	Lower	Upper
70	100		
130	23.1	18.2	27.4
101	11.3	7.8	11.8

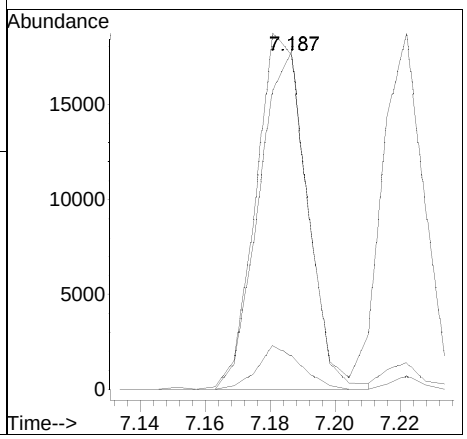


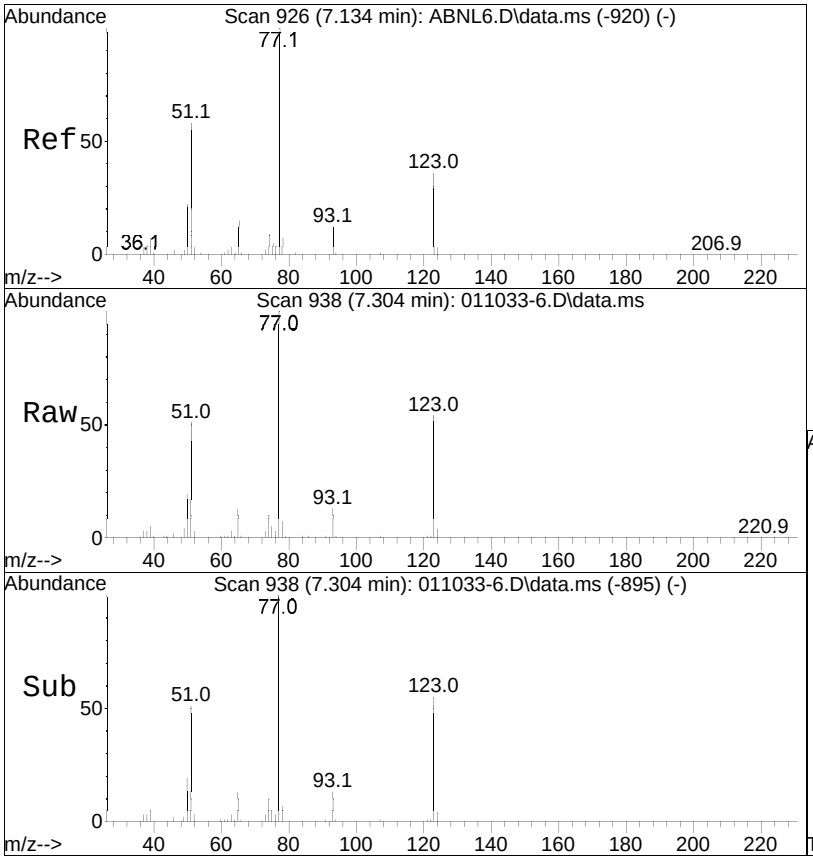


#18
3-Methylphenol/4-Methylphenol
Concen: 1.12 ug/ml
RT: 7.187 min Scan# 918
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:108 Resp: 18679

Ion	Ratio	Lower	Upper
108	100		
107	108.3	88.6	132.8
90	11.5	8.8	13.2

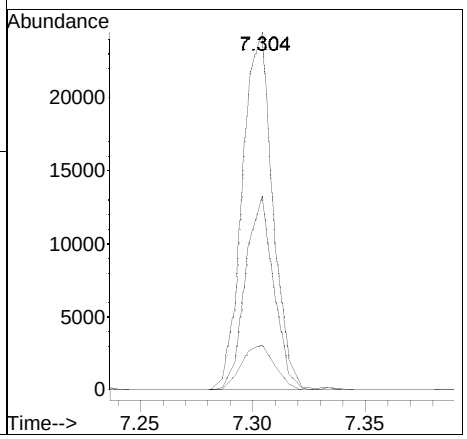


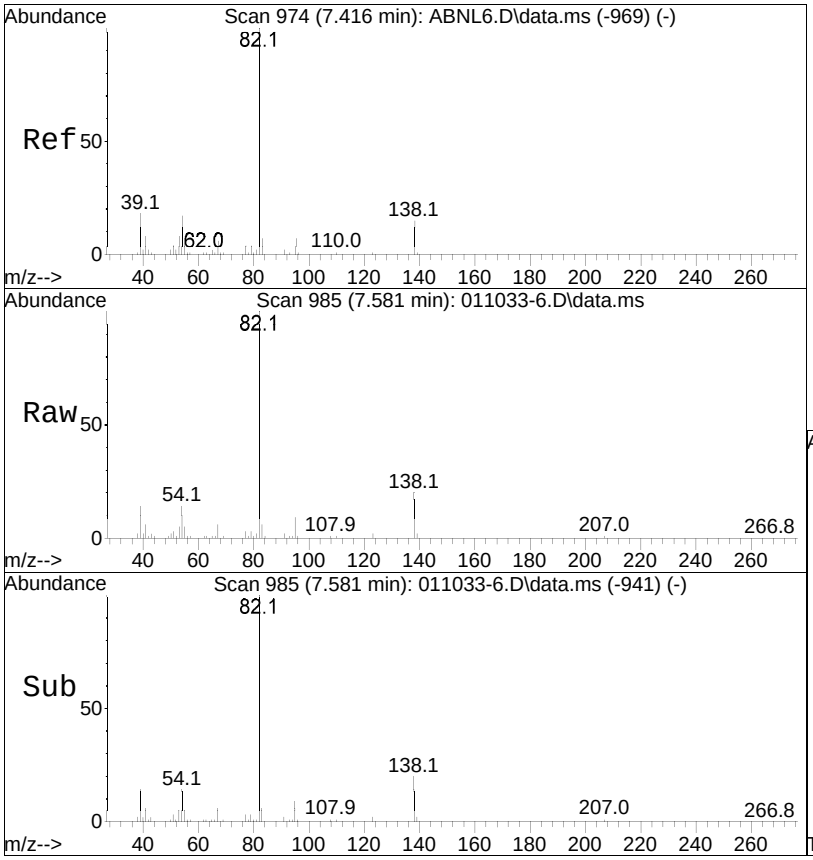


#20
Nitrobenzene
Concen: 1.21 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 77 Resp: 22946

Ion	Ratio	Lower	Upper
77	100		
123	50.5	36.3	54.5
65	13.8	11.6	17.4

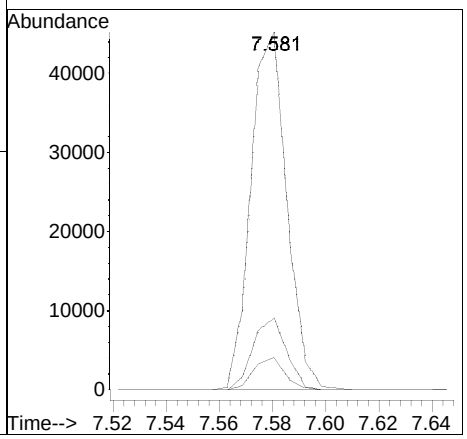


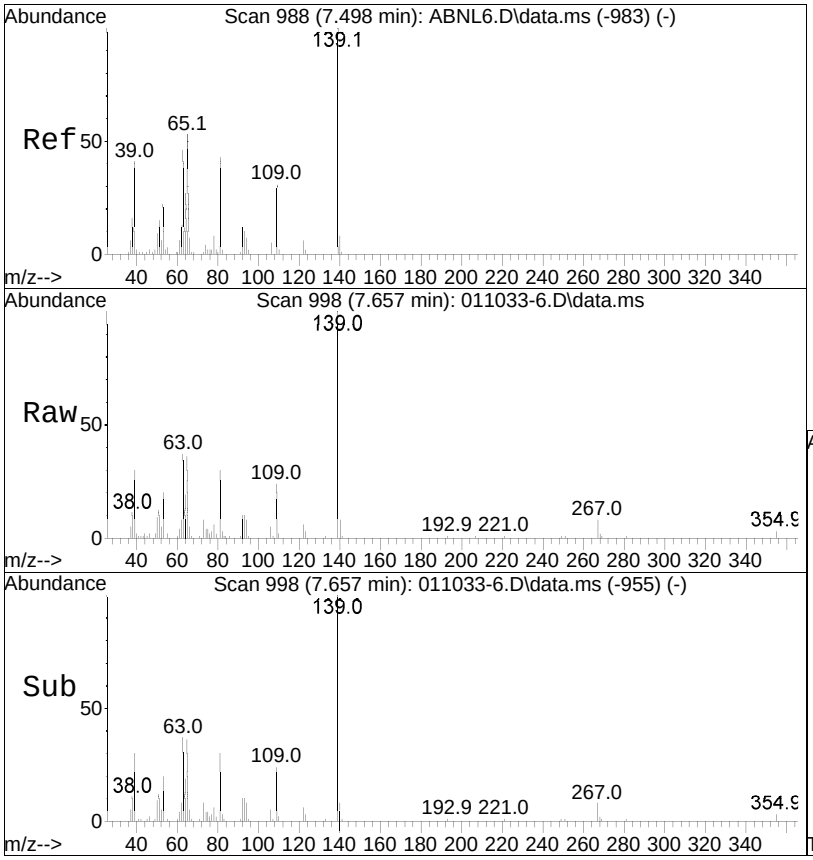


#21
Isophorone
Concen: 1.27 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 82 Resp: 41980

Ion	Ratio	Lower	Upper
82	100		
138	18.9	14.7	22.1
95	8.0	5.2	7.8#

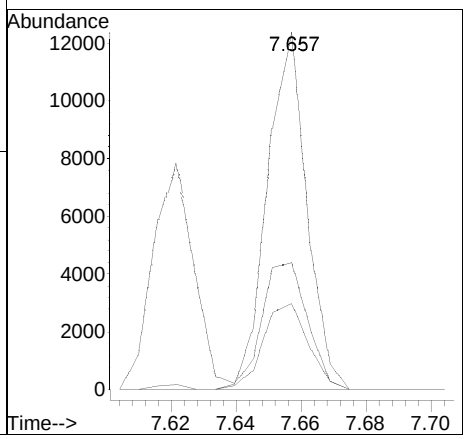


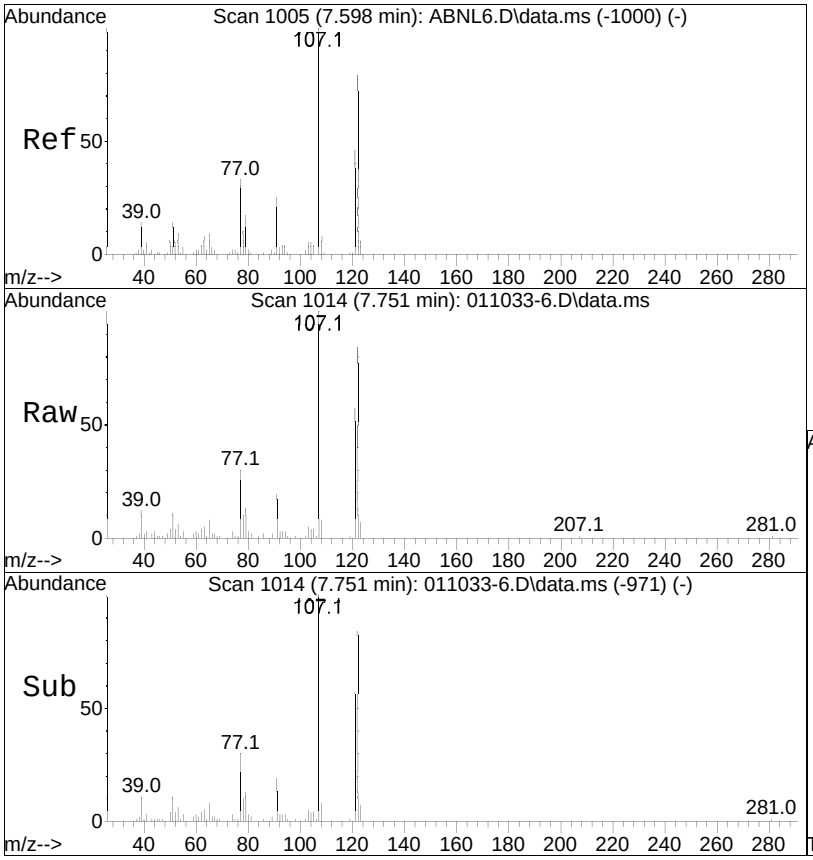


#22
2-Nitrophenol
Concen: 1.07 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:139 Resp: 10431

Ion	Ratio	Lower	Upper
139	100		
109	27.6	19.4	29.0
65	40.7	46.1	69.1#

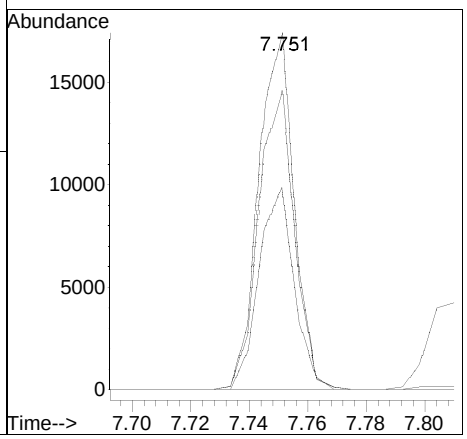


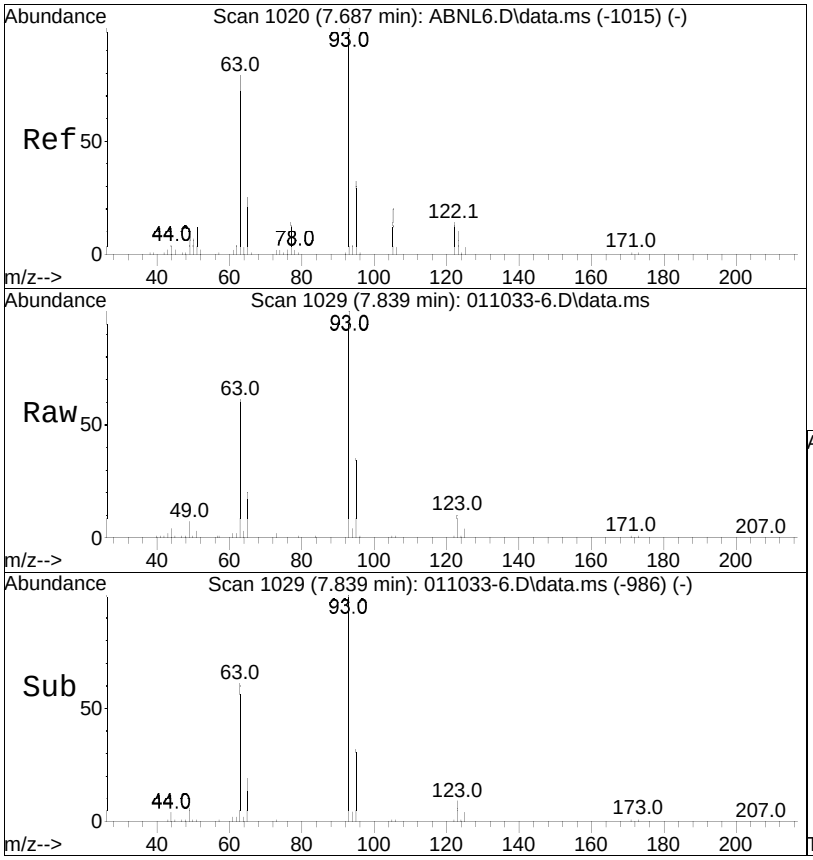


#23
2,4-Dimethylphenol
Concen: 0.95 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:107 Resp: 14492

Ion	Ratio	Lower	Upper
107	100		
121	56.9	40.0	60.0
122	85.2	70.2	105.4

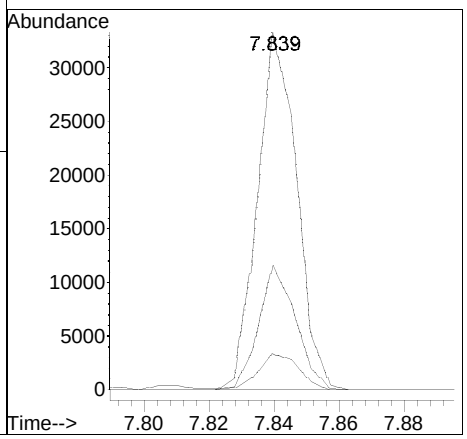


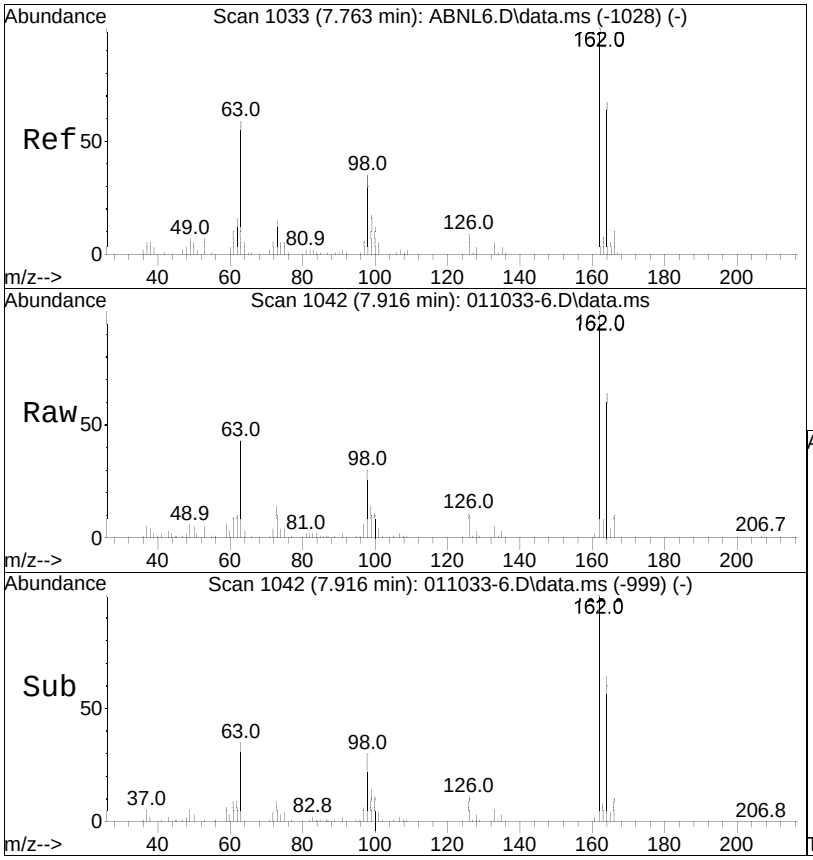


#24
Bis(2-chloroethoxy)methane
Concen: 1.25 ug/ml
RT: 7.839 min Scan# 1029
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 93 Resp: 27630

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	10.6	10.1	15.1

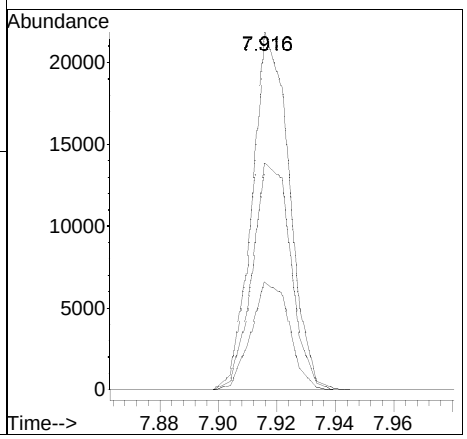


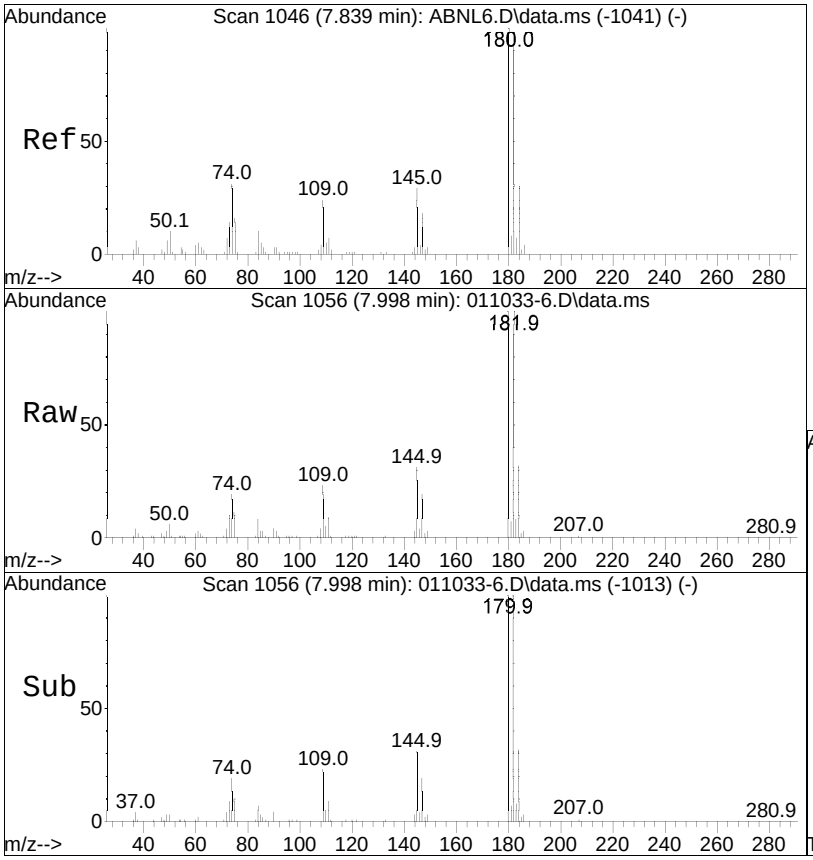


#25
2,4-Dichlorophenol
Concen: 1.12 ug/ml
RT: 7.916 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:162 Resp: 19161

Ion	Ratio	Lower	Upper
162	100		
164	65.6	51.0	76.4
98	31.2	32.2	48.2#

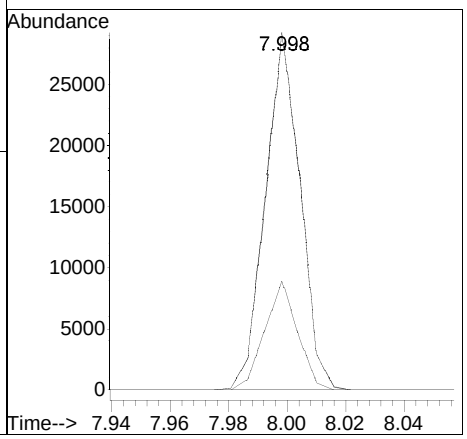


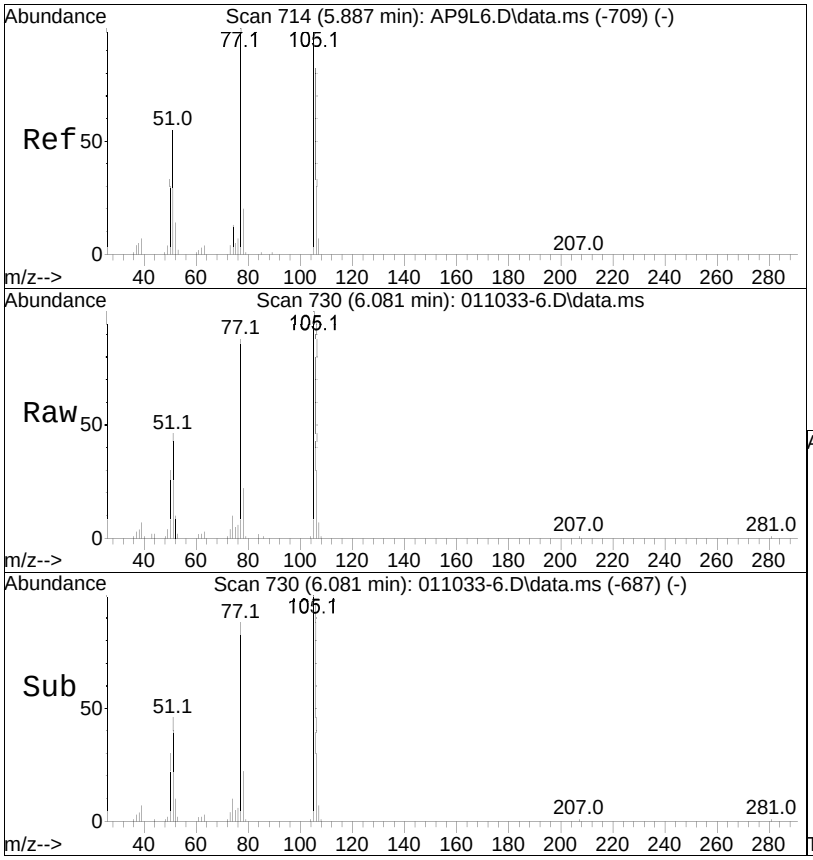


#26
1,2,4-Trichlorobenzene
Concen: 1.21 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:180 Resp: 24011

Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.0	114.0
145	28.7	25.7	38.5

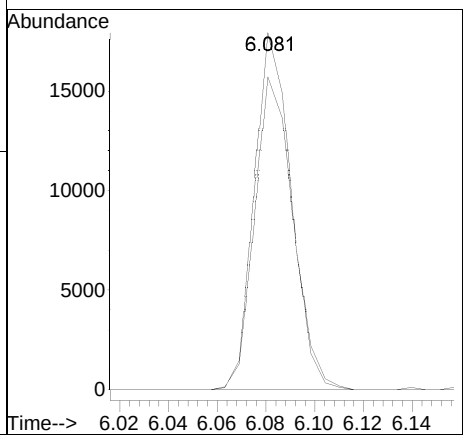


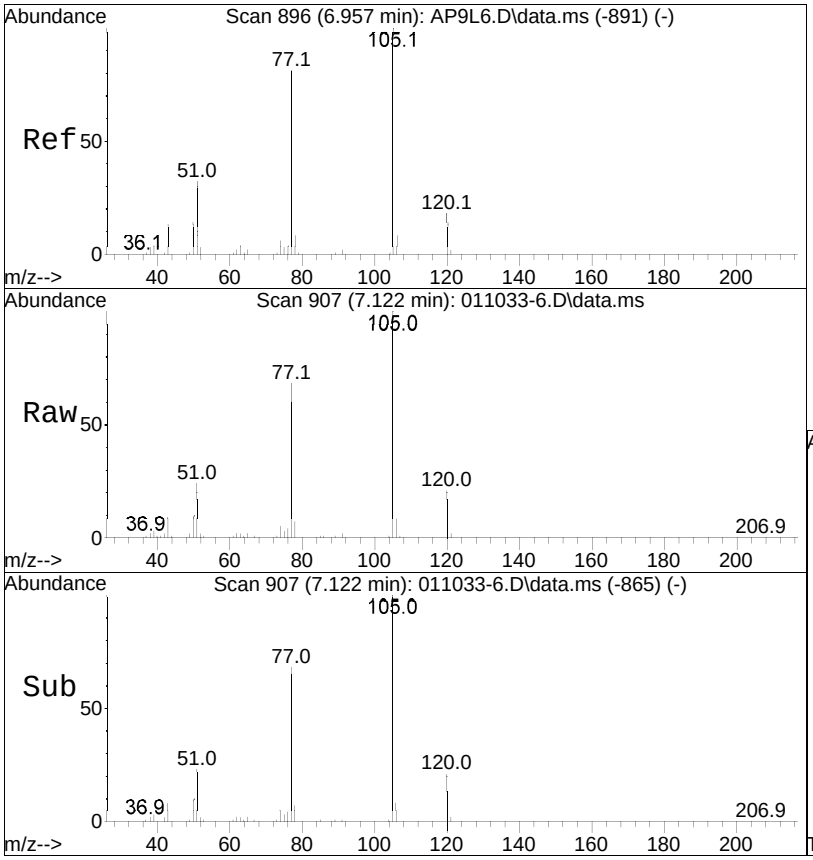


#28
Benzaldehyde
Concen: 1.47 ug/ml
RT: 6.081 min Scan# 730
Delta R.T. -0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:105 Resp: 19005

Ion	Ratio	Lower	Upper
105	100		
77	89.4	82.2	123.4

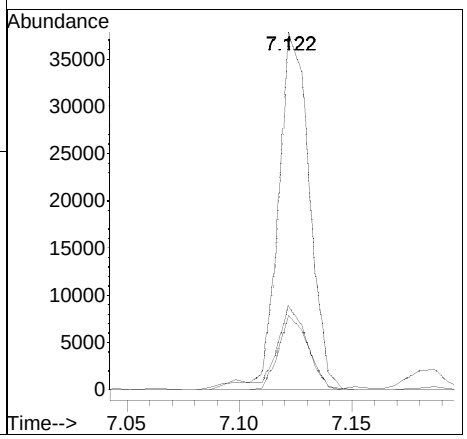


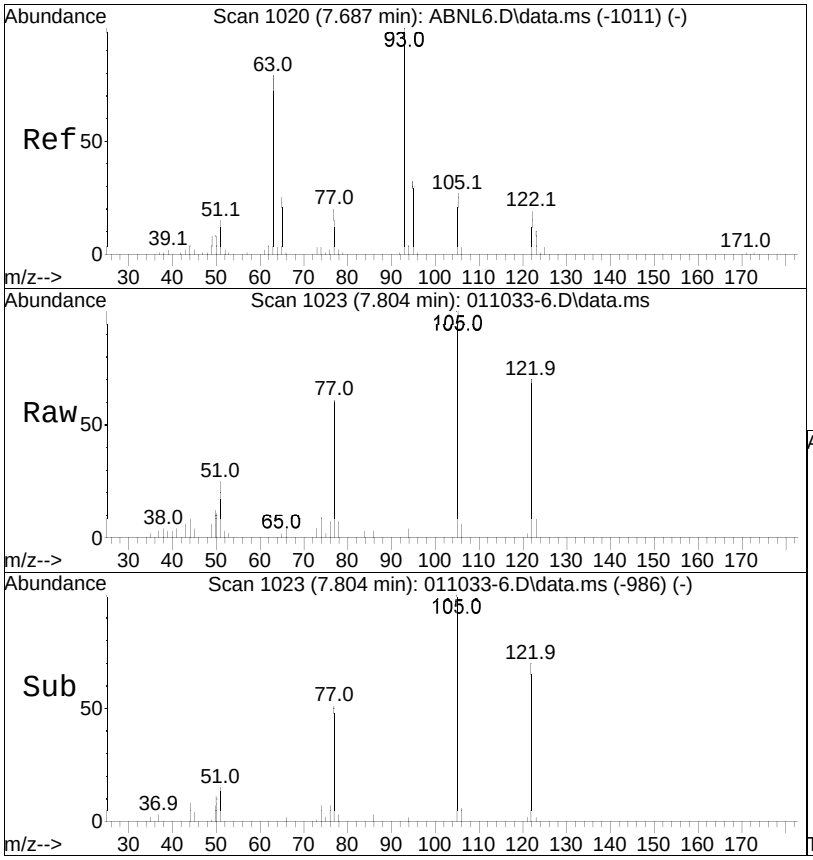


#29
Acetophenone
Concen: 1.45 ug/ml
RT: 7.122 min Scan# 907
Delta R.T. -0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:105 Resp: 36189

Ion	Ratio	Lower	Upper
105	100		
120	19.9	20.5	30.7#
51	25.4	34.9	52.3#

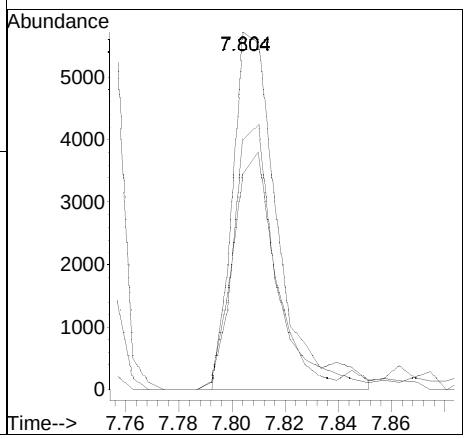


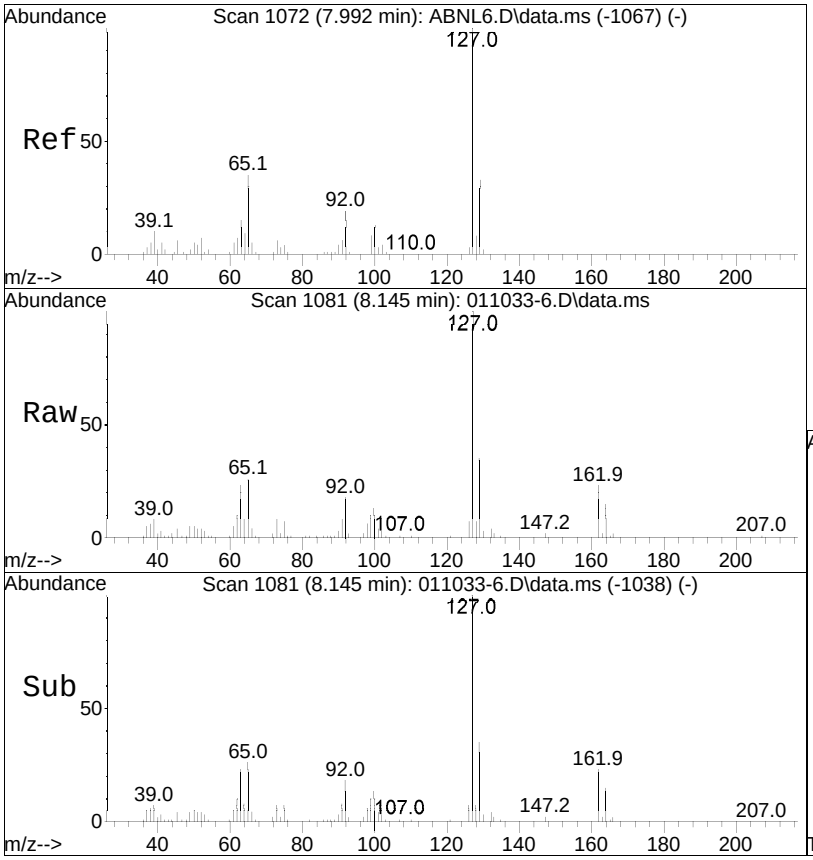


#37
Benzoic Acid
Concen: 1.75 ug/ml
RT: 7.804 min Scan# 1023
Delta R.T. -0.035 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:105 Resp: 6792

Ion	Ratio	Lower	Upper
105	100		
122	70.8	59.9	89.9
77	64.4	60.1	90.1

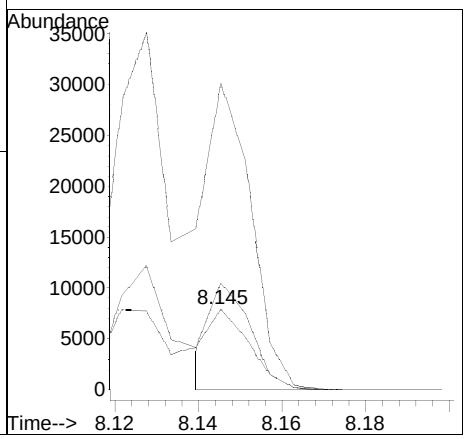


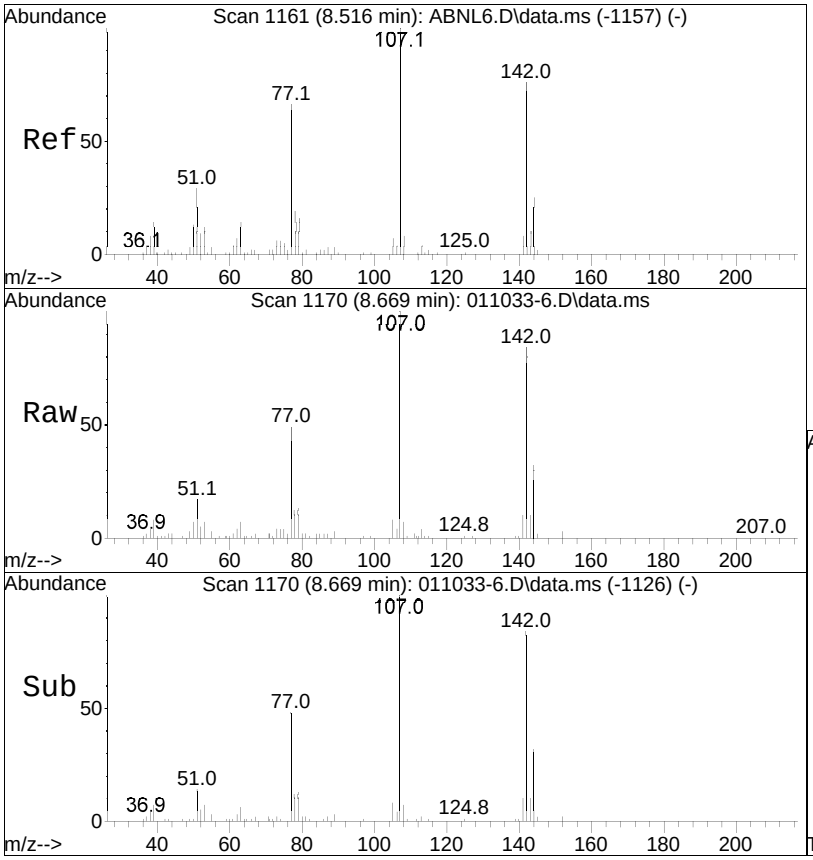


#38
4-Chloroaniline
Concen: 0.82 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 65 Resp: 5271

Ion	Ratio	Lower	Upper
65	100		
127	388.0	237.6	356.4#
129	131.9	76.3	114.5#

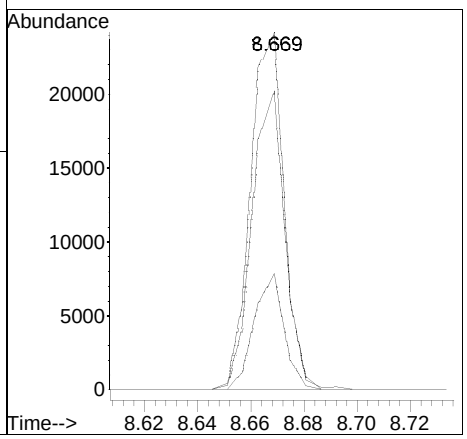


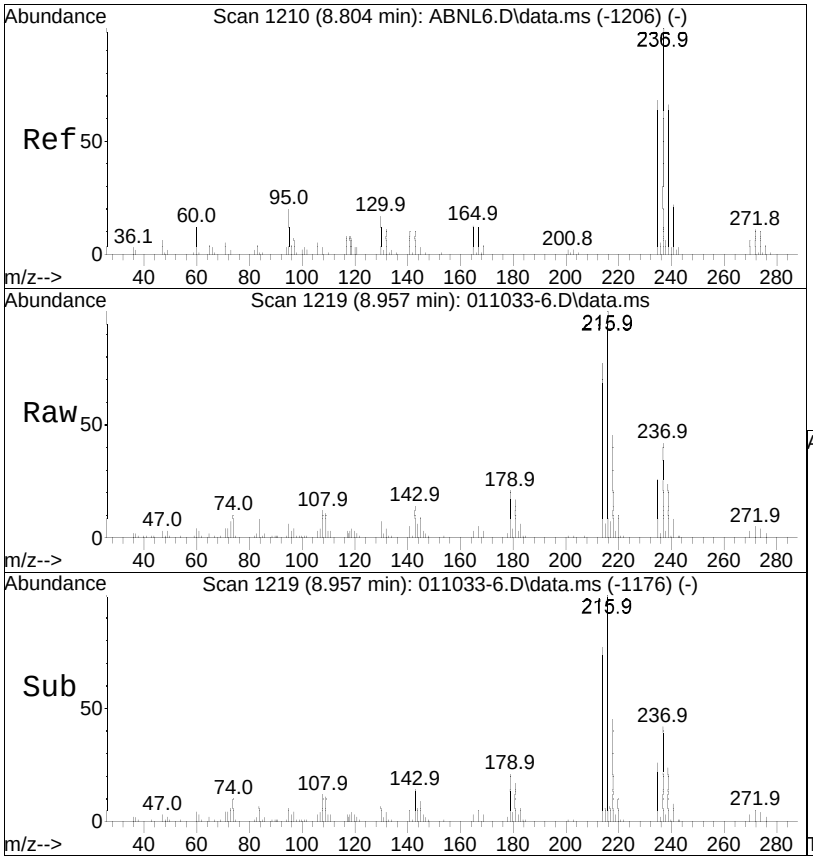


#40
p-Chloro-m-cresol
Concen: 1.40 ug/ml
RT: 8.669 min Scan# 1170
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:107 Resp: 20910

Ion	Ratio	Lower	Upper
107	100		
144	29.2	20.9	31.3
142	82.1	66.1	99.1

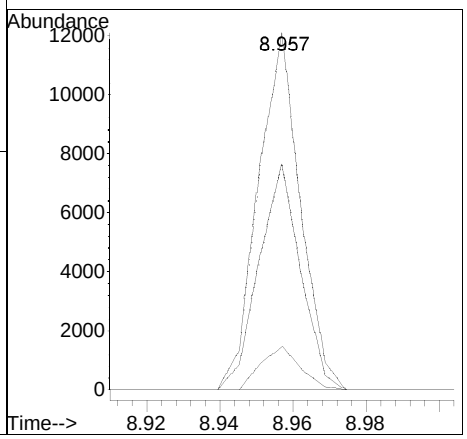


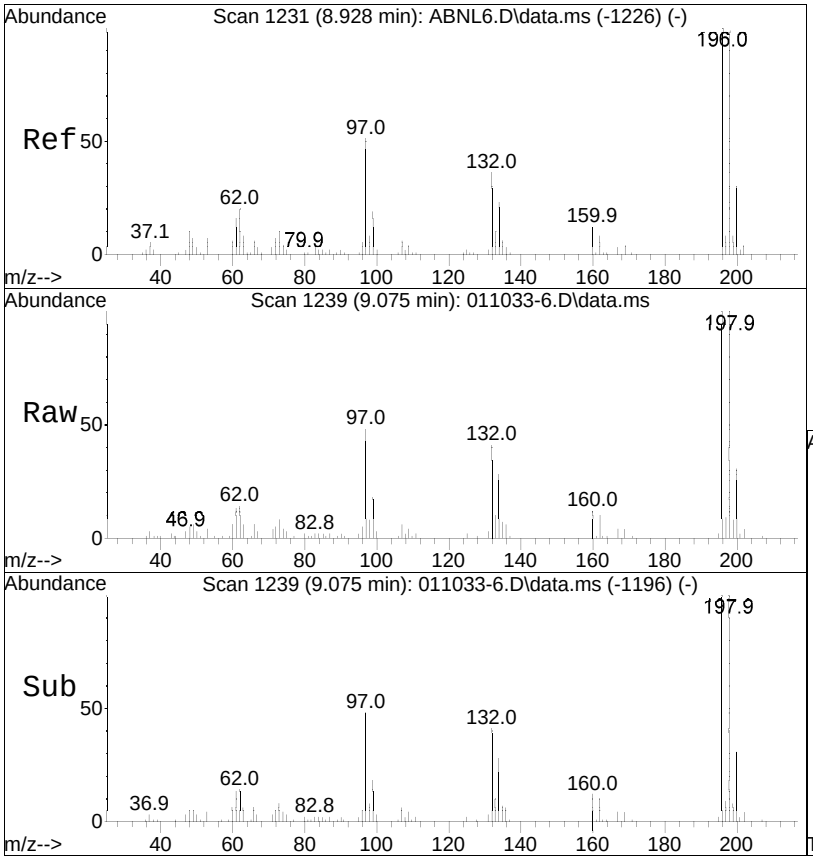


#43
Hexachlorocyclopentadiene
Concen: 0.73 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:237 Resp: 9607

Ion	Ratio	Lower	Upper
237	100		
235	62.6	49.7	74.5
272	11.6	9.8	14.6

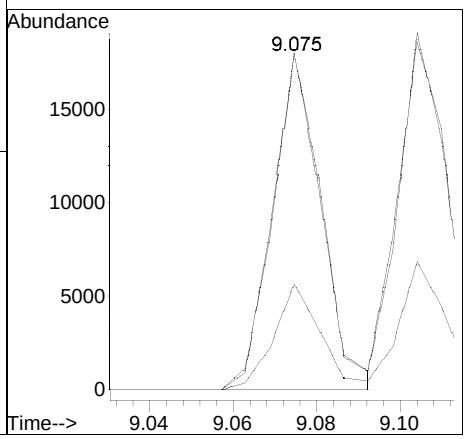


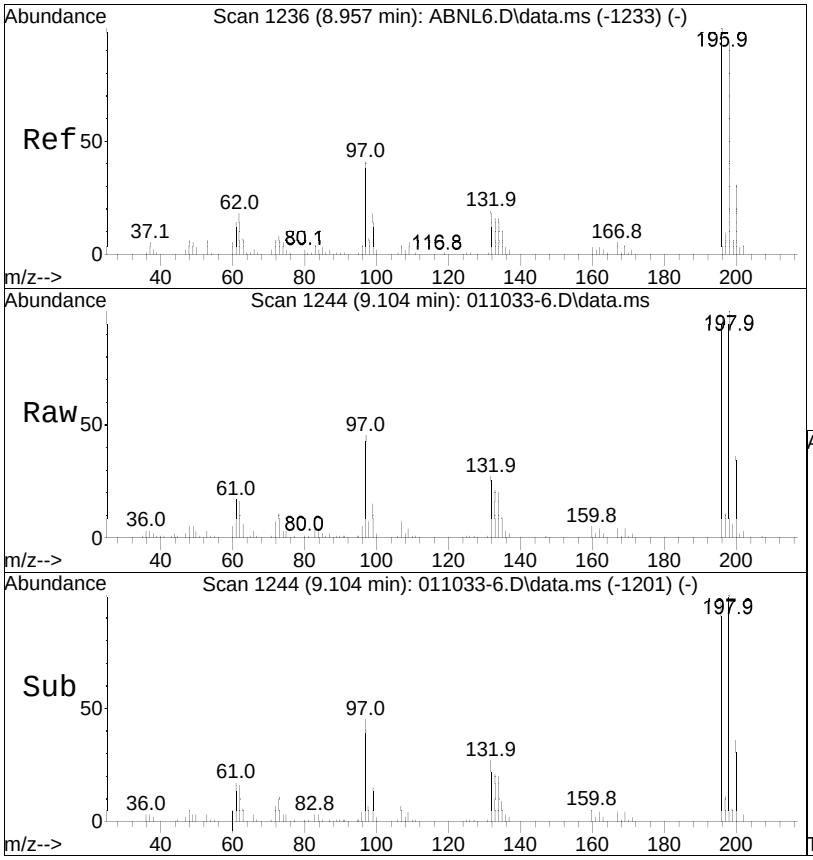


#44
2,4,6-Trichlorophenol
Concen: 1.04 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:196 Resp: 14483

Ion	Ratio	Lower	Upper
196	100		
198	100.5	77.5	116.3
200	30.7	23.8	35.6

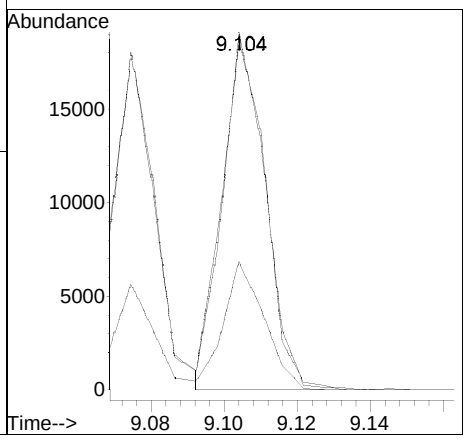


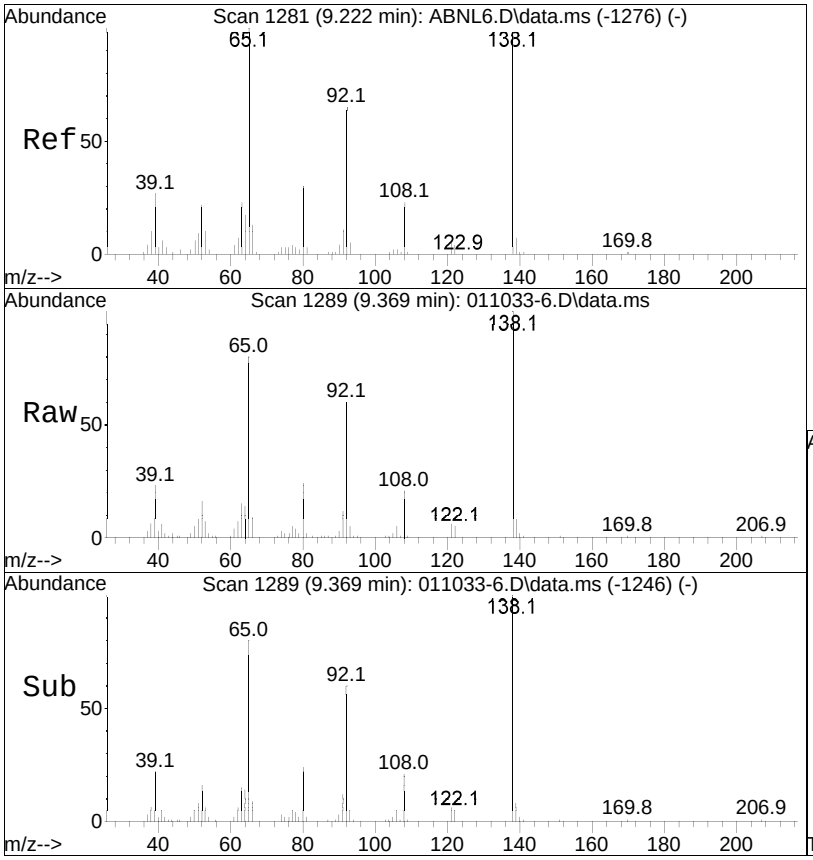


#45
2,4,5-Trichlorophenol
Concen: 1.08 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:196 Resp: 15512

Ion	Ratio	Lower	Upper
196	100		
200	34.1	25.4	38.0
198	99.3	78.0	117.0

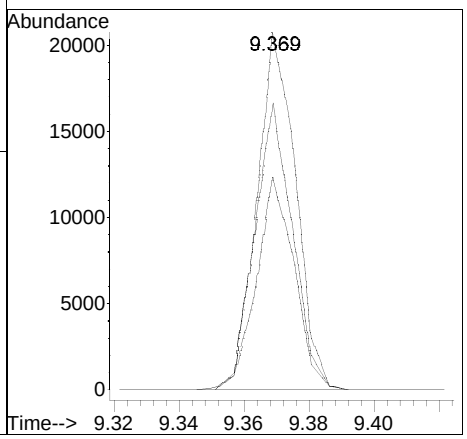


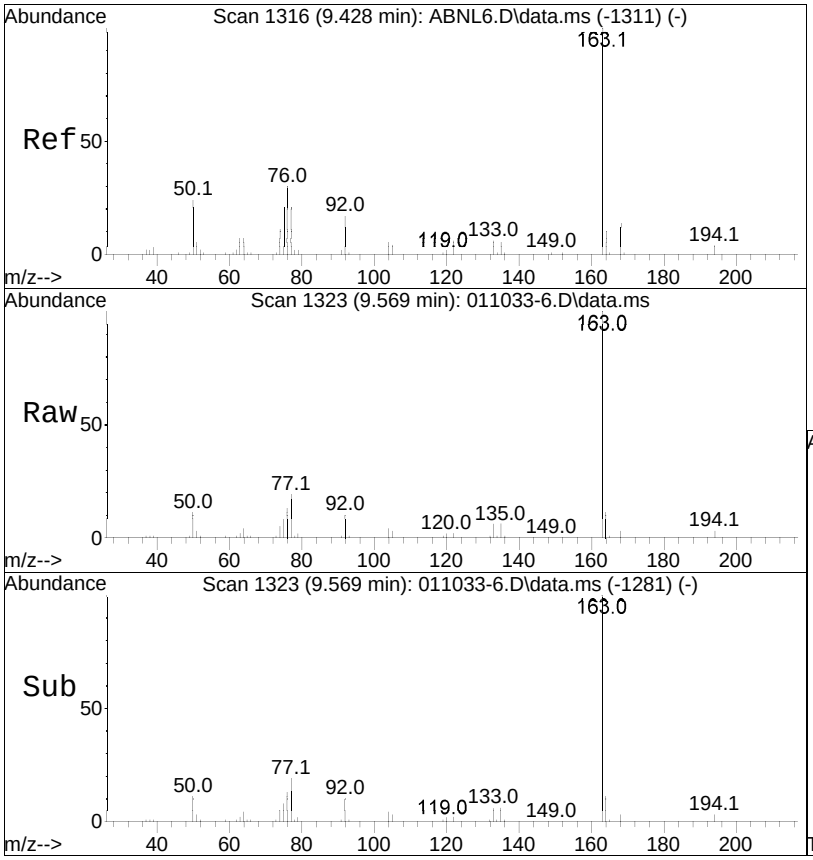


#48
2-Nitroaniline
Concen: 1.51 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:138 Resp: 17018

Ion	Ratio	Lower	Upper
138	100		
92	58.3	53.5	80.3
65	78.1	86.3	129.5#

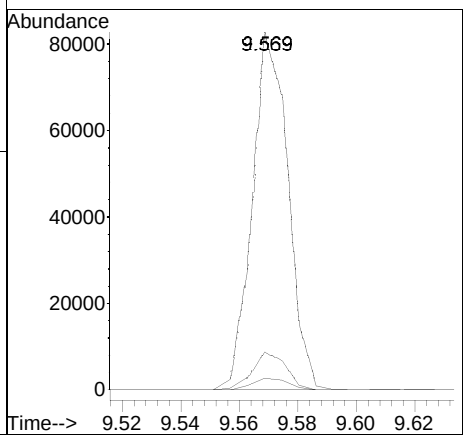


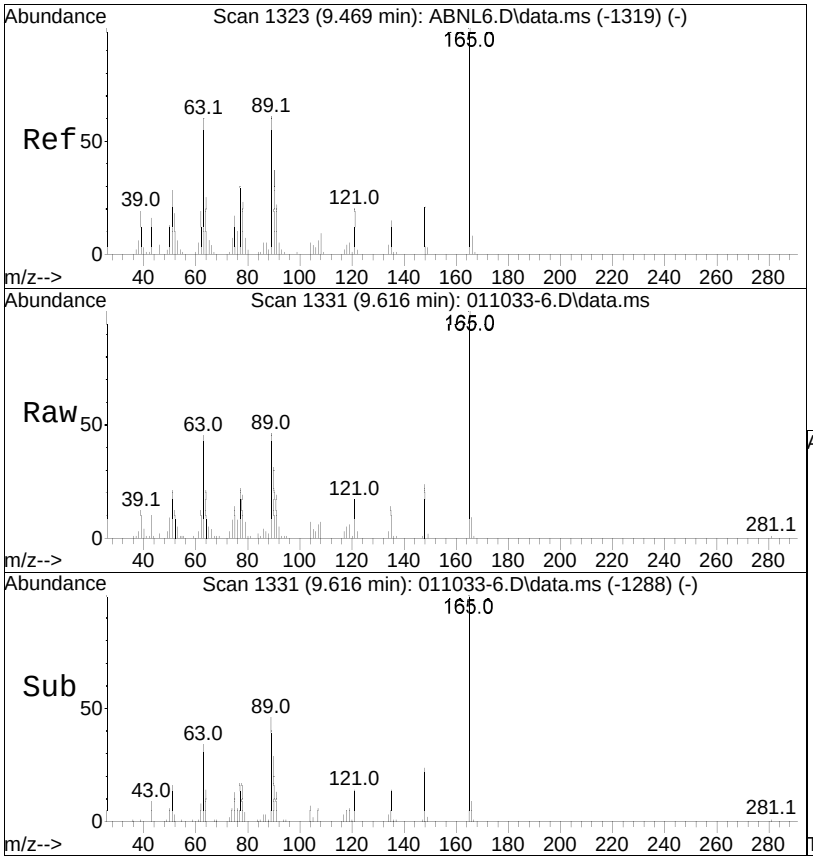


#51
Dimethyl phthalate
Concen: 1.49 ug/ml
RT: 9.569 min Scan# 1323
Delta R.T. -0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:163 Resp: 69066

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	10.2	7.9	11.9

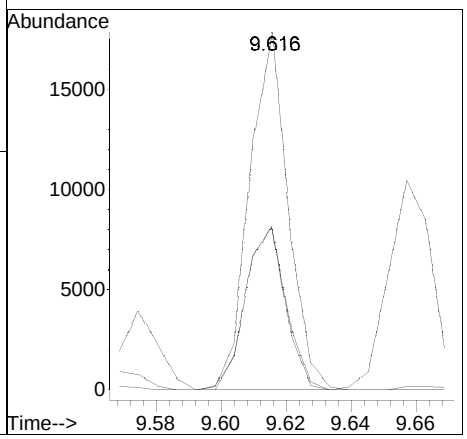


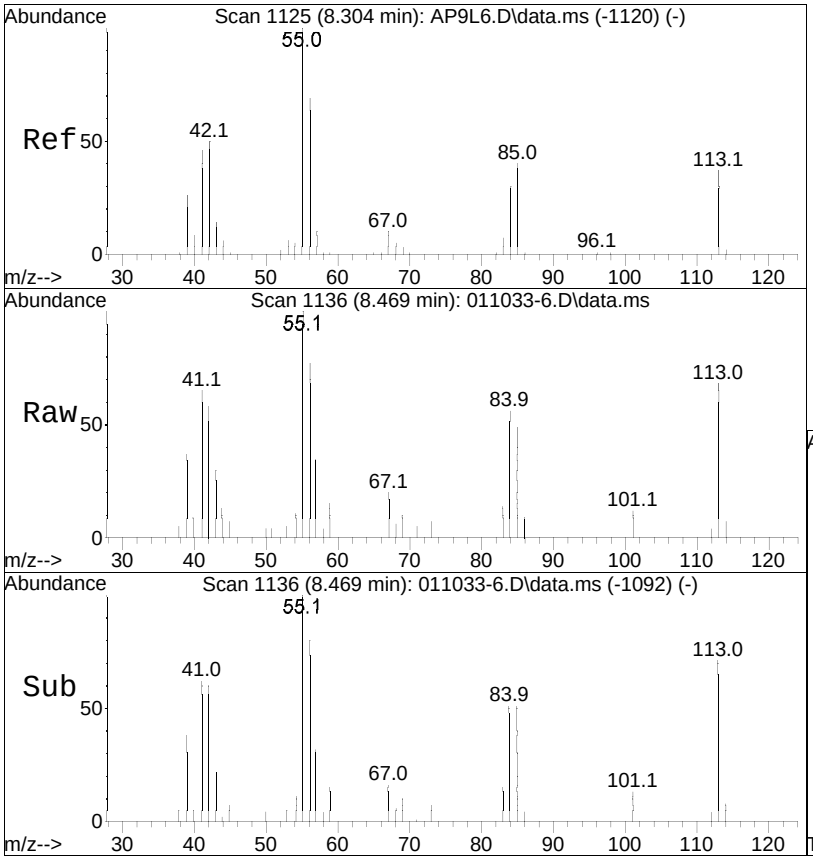


#53
2,6-Dinitrotoluene
Concen: 1.57 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:165 Resp: 14739

Ion	Ratio	Lower	Upper
165	100		
89	47.7	54.2	81.2#
63	46.9	64.2	96.2#

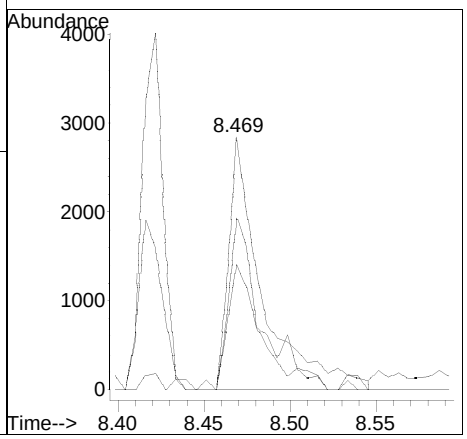


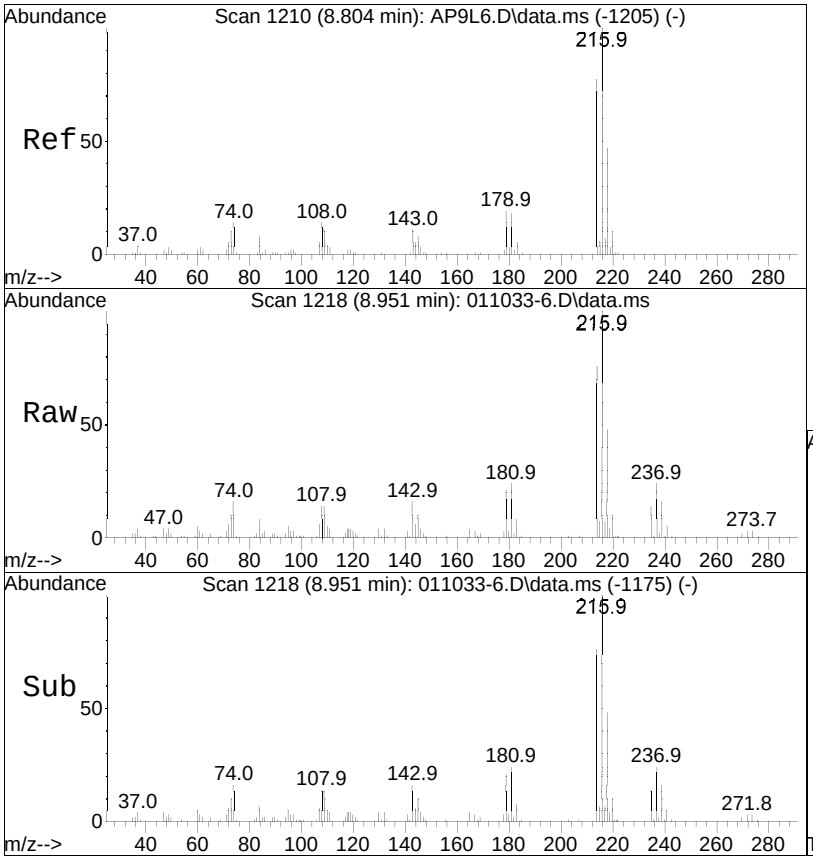


#60
Caprolactam
Concen: 0.53 ug/ml
RT: 8.469 min Scan# 1136
Delta R.T. 0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 55 Resp: 3926

Ion	Ratio	Lower	Upper
55	100		
85	49.6	19.8	29.6#
113	64.0	29.6	44.4#

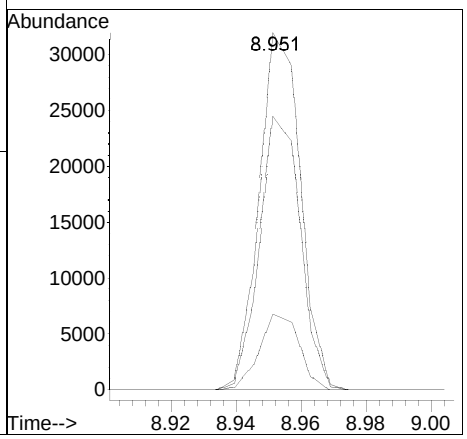


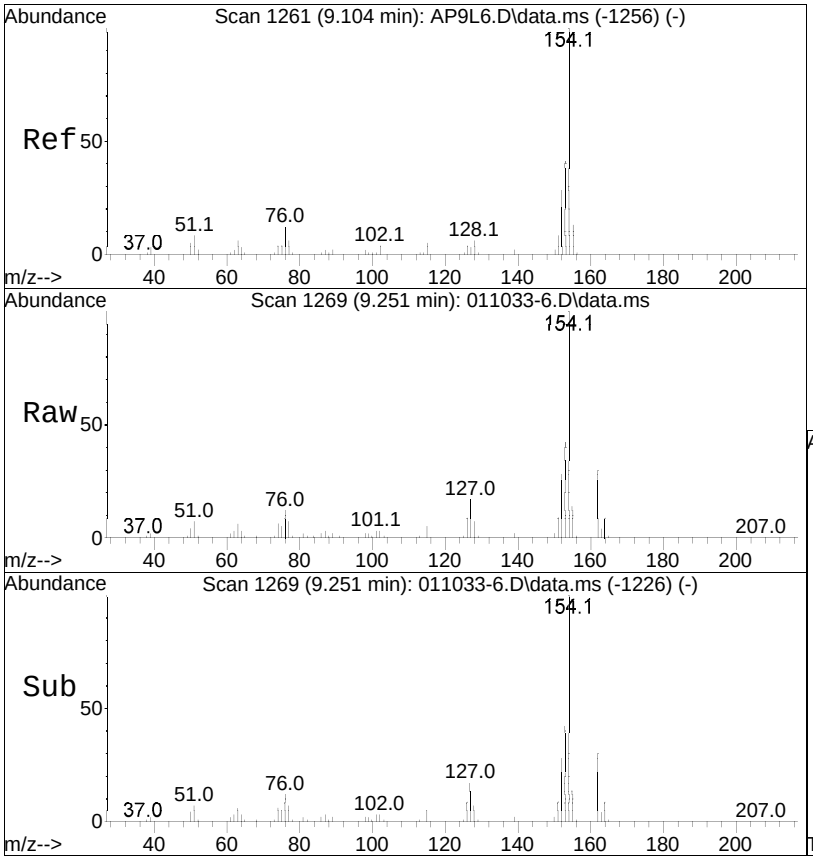


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.39 ug/ml
RT: 8.951 min Scan# 1218
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:216 Resp: 28266

Ion	Ratio	Lower	Upper
216	100		
214	75.9	63.7	95.5
179	20.6	19.0	28.6

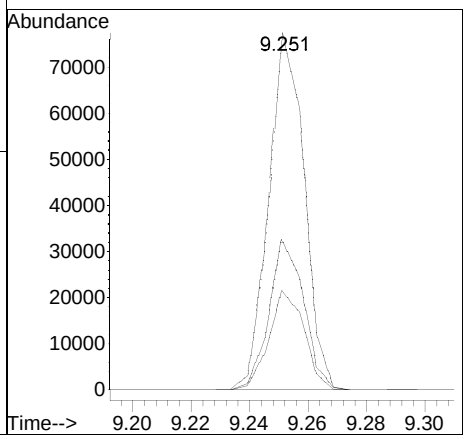


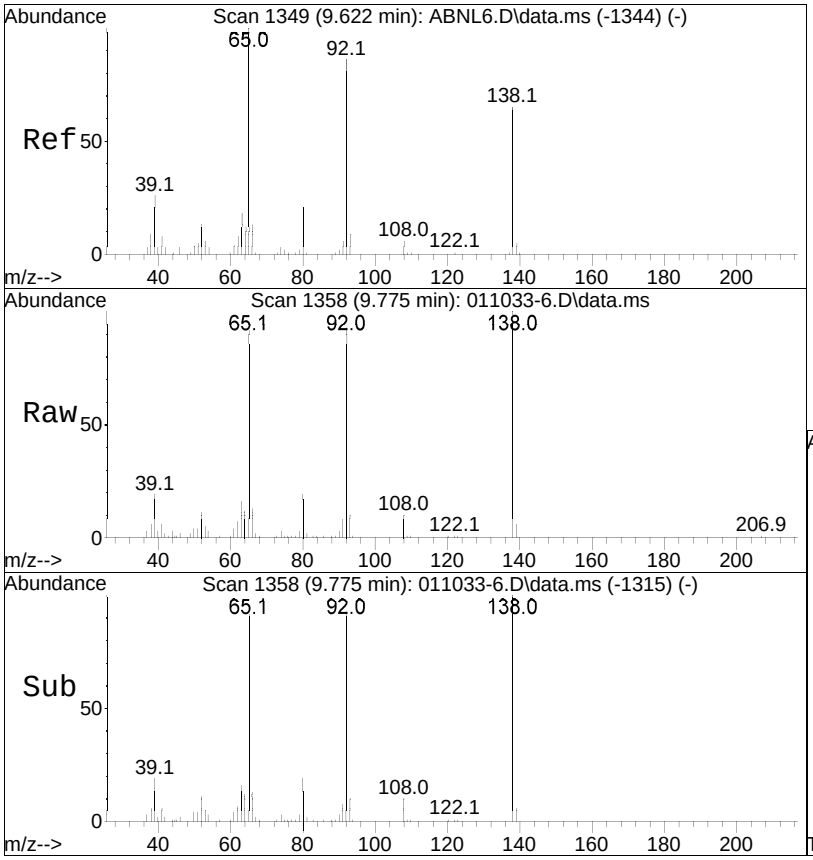


#62
Biphenyl
Concen: 1.41 ug/ml
RT: 9.251 min Scan# 1269
Delta R.T. -0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:154 Resp: 64791

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.3	48.5
152	27.8	22.5	33.7

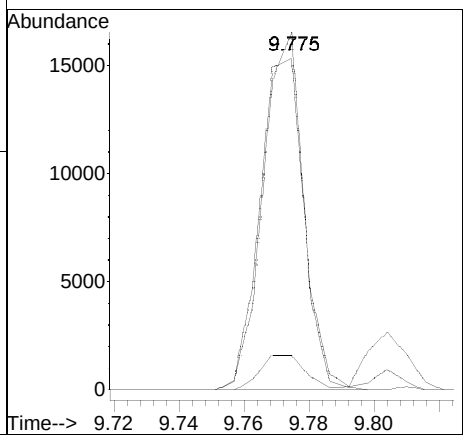


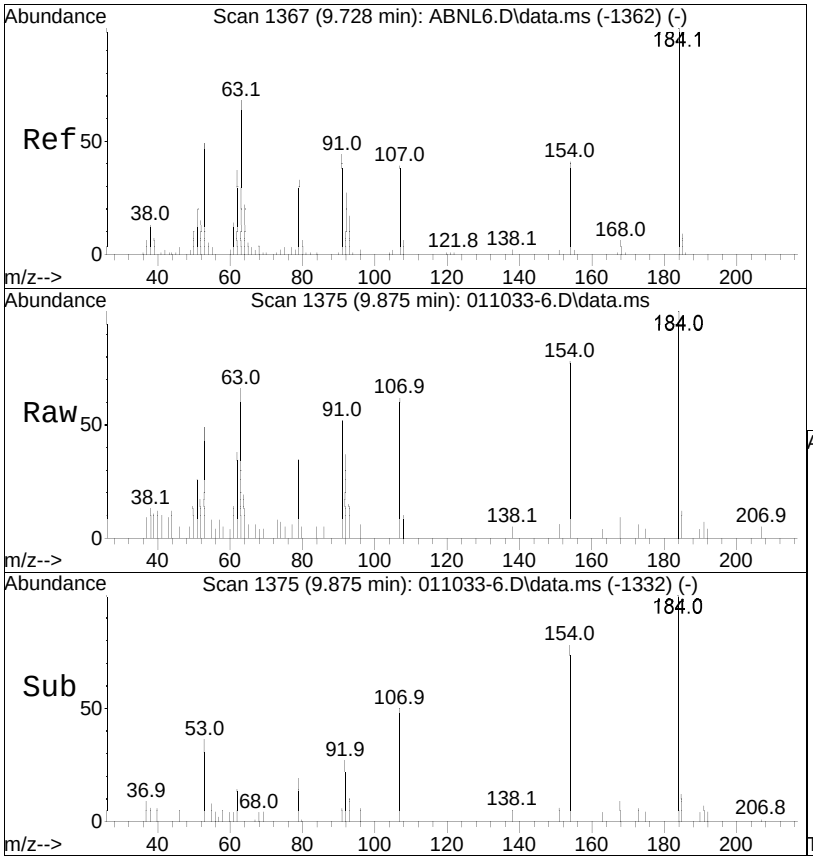


#64
3-Nitroaniline
Concen: 1.43 ug/ml
RT: 9.775 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:138 Resp: 14052

Ion	Ratio	Lower	Upper
138	100		
92	102.6	93.4	140.2
108	11.2	9.5	14.3

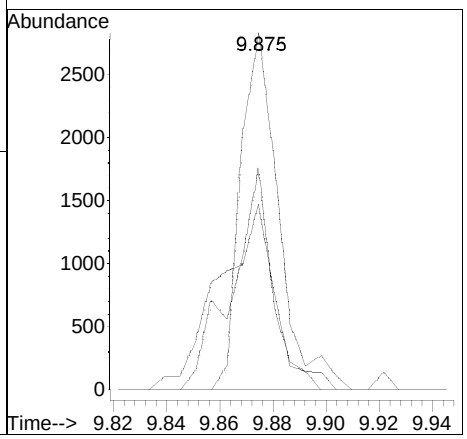


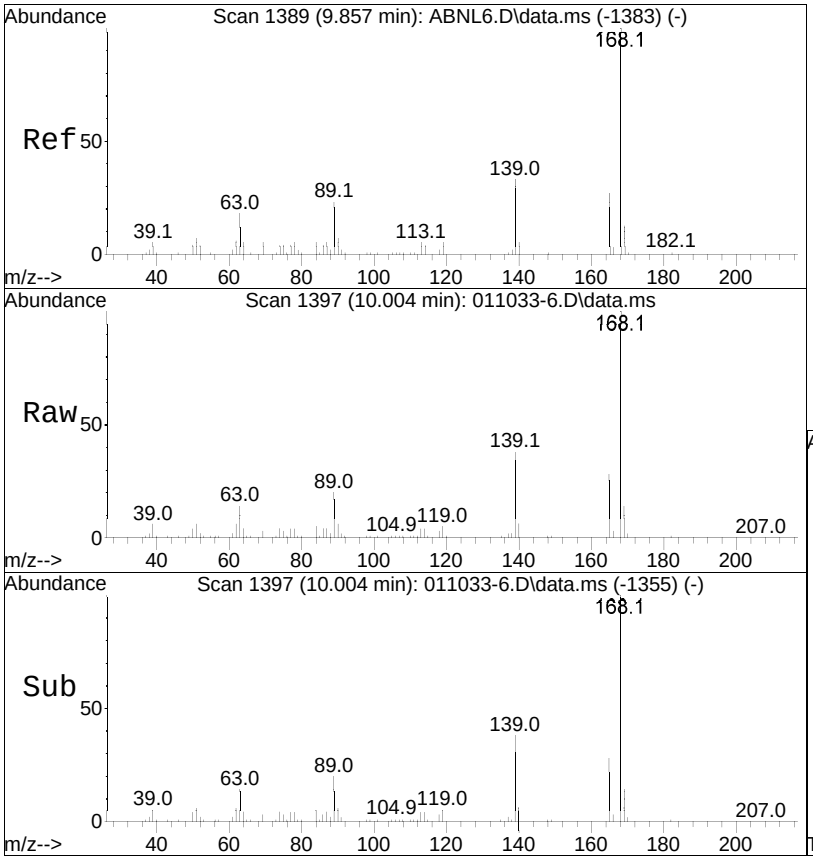


#66
2,4-Dinitrophenol
Concen: 1.56 ug/ml
RT: 9.875 min Scan# 1375
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:184 Resp: 2809

Ion	Ratio	Lower	Upper
184	100		
107	66.0	37.7	56.5#
91	76.7	46.3	69.5#

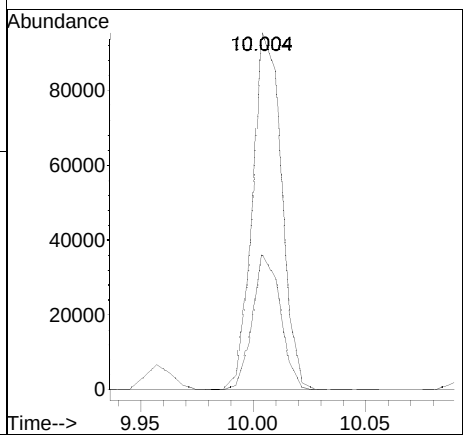


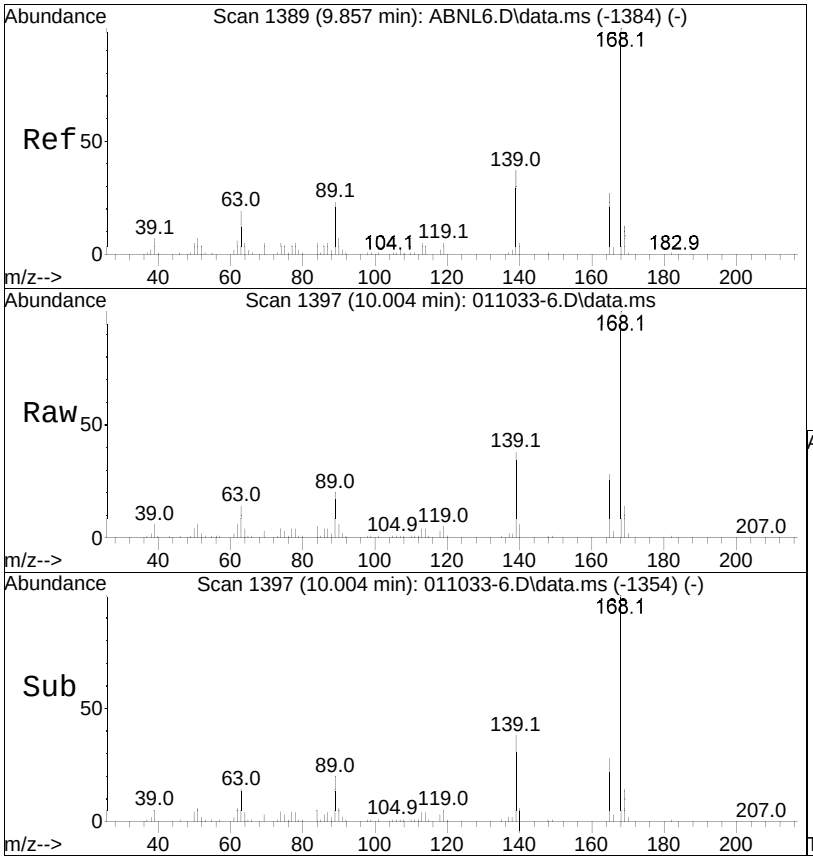


#67
Dibenzofuran
Concen: 1.49 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. -0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:168 Resp: 84866

Ion	Ratio	Lower	Upper
168	100		
139	36.8	31.4	47.2

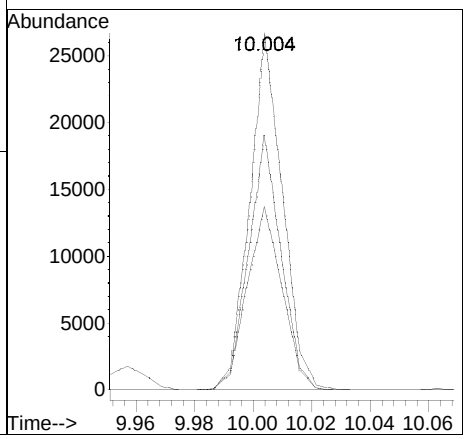


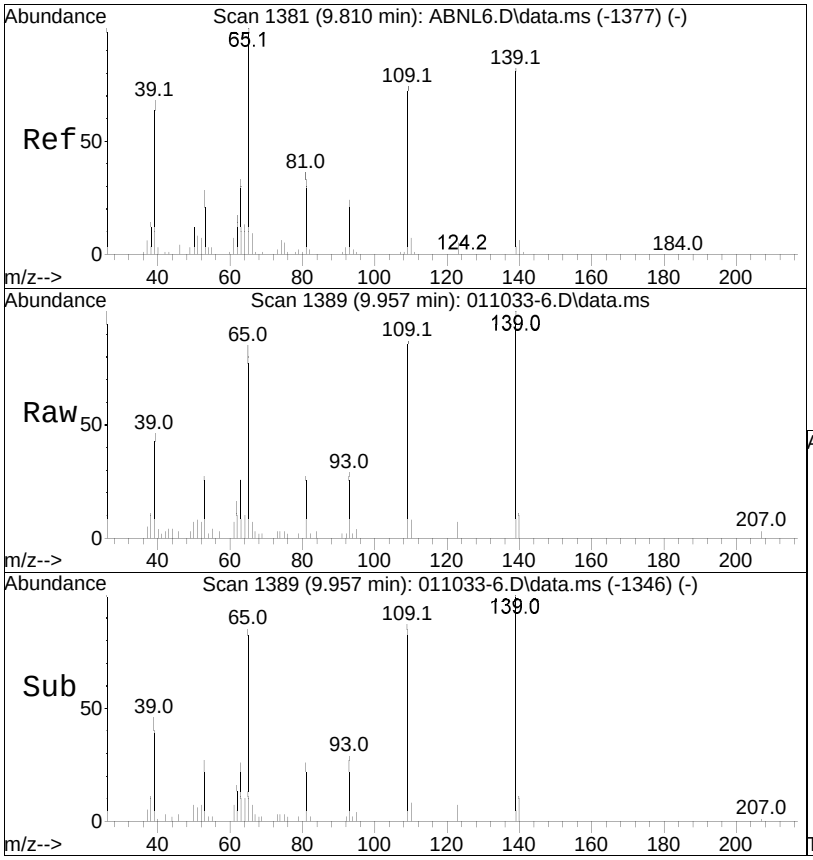


#68
2,4-Dinitrotoluene
Concen: 1.62 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:165 Resp: 20578

Ion	Ratio	Lower	Upper
165	100		
89	70.7	72.0	108.0#
63	55.5	52.7	79.1

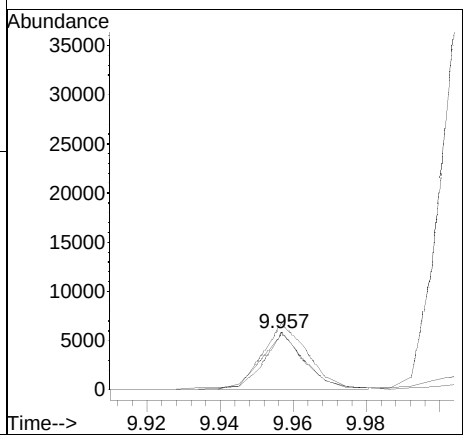


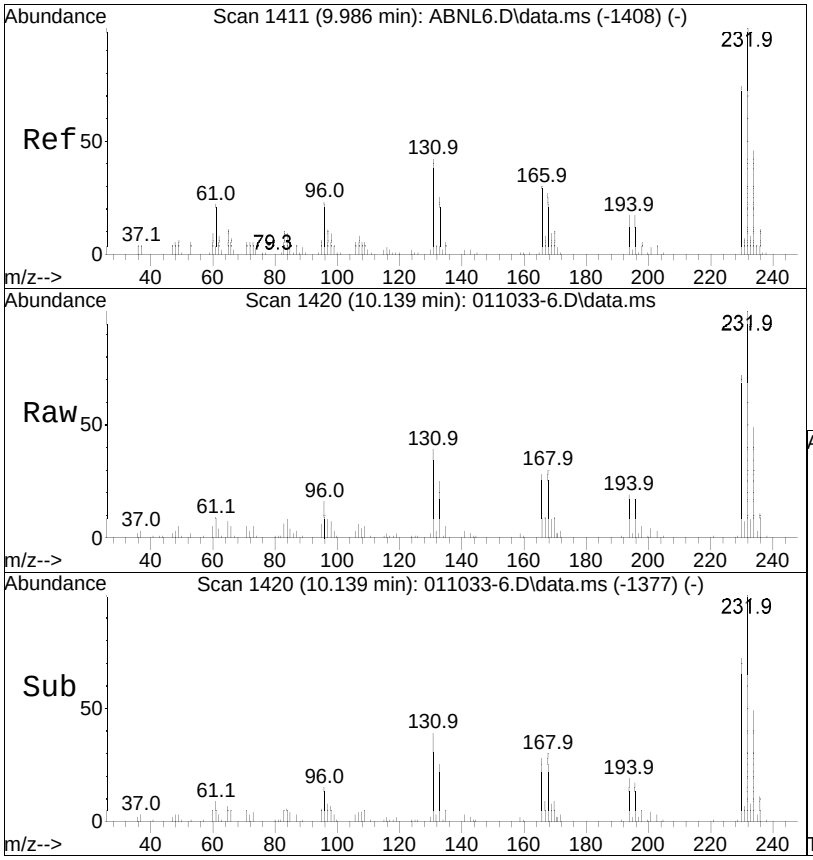


#69
4-Nitrophenol
Concen: 0.66 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 65 Resp: 4798

Ion	Ratio	Lower	Upper
65	100		
109	93.8	47.4	71.2#
139	124.3	76.6	115.0#

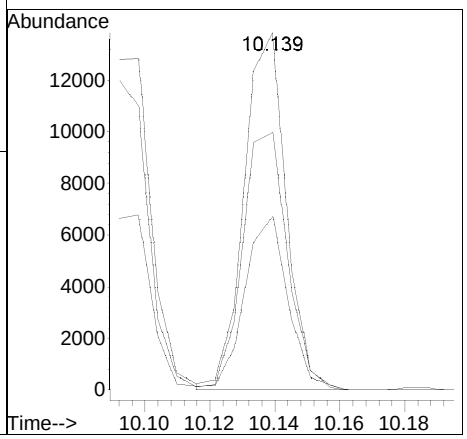


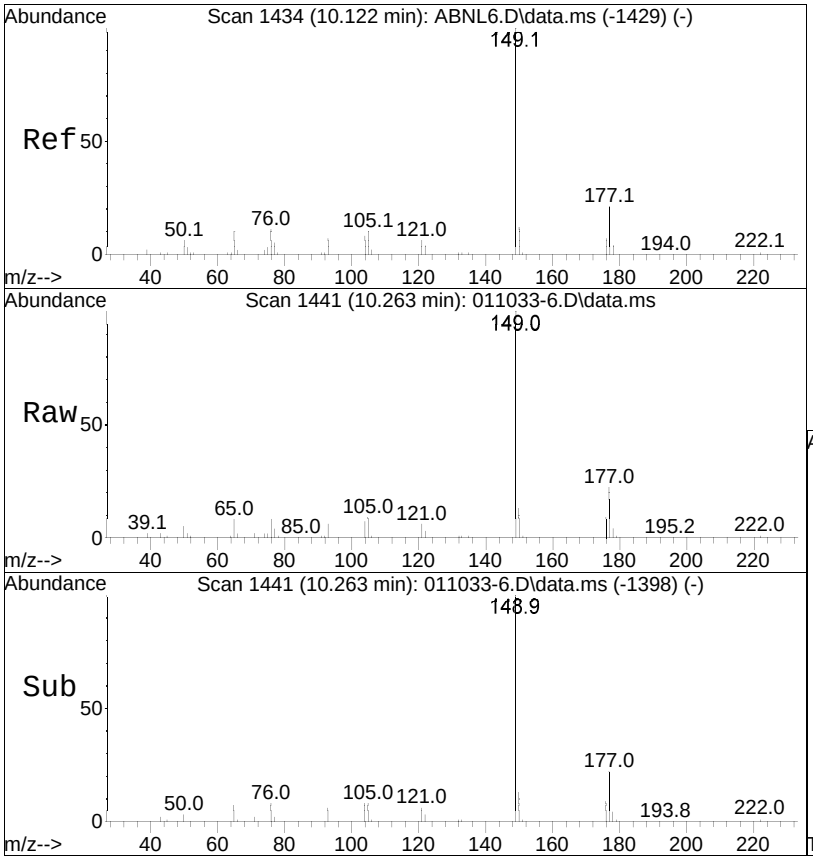


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.06 ug/ml
RT: 10.139 min Scan# 1420
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:232 Resp: 12433

Ion	Ratio	Lower	Upper
232	100		
230	76.9	61.8	92.8
234	50.2	36.2	54.2

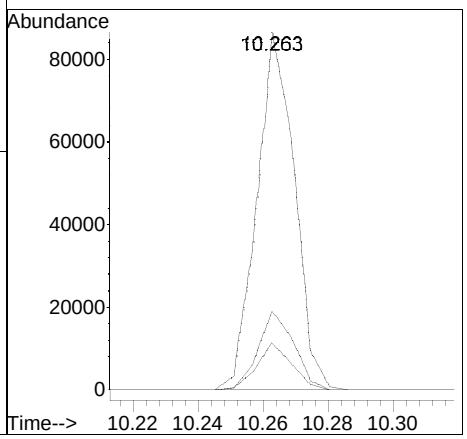


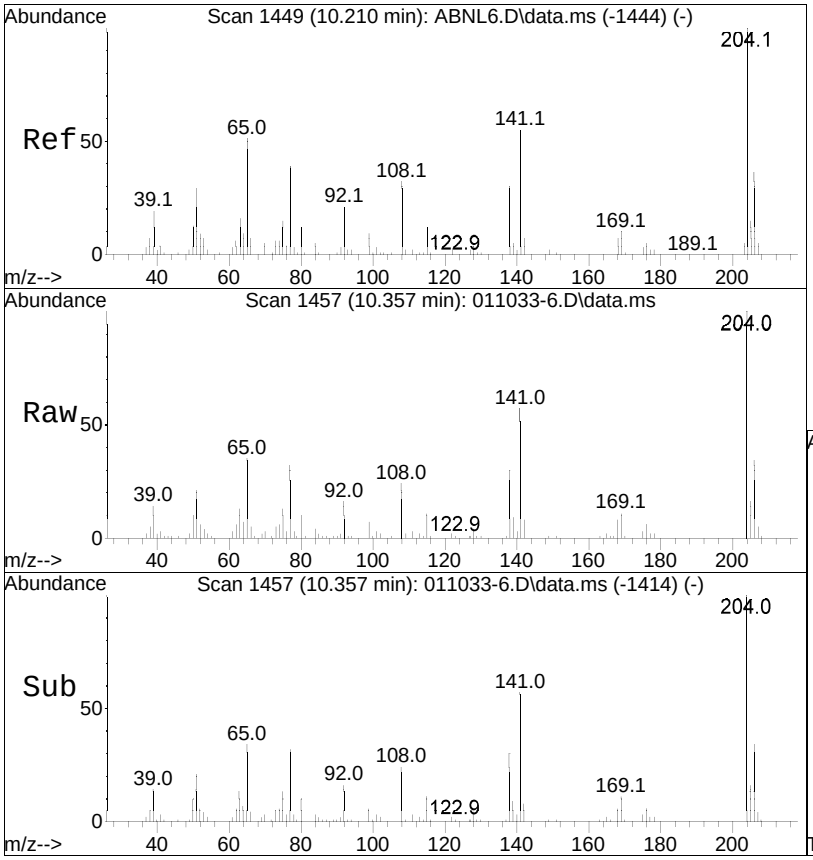


#72
Diethyl phthalate
Concen: 1.49 ug/ml
RT: 10.263 min Scan# 1441
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:149 Resp: 68615

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.1	24.1
150	12.3	9.4	14.2

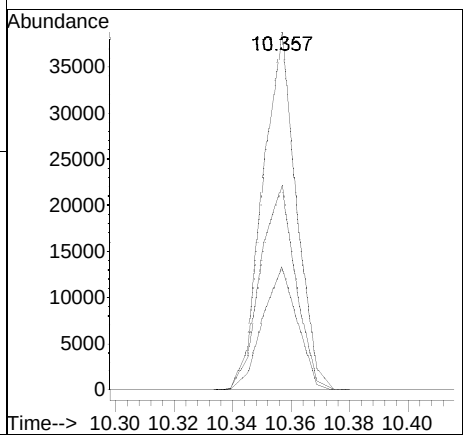


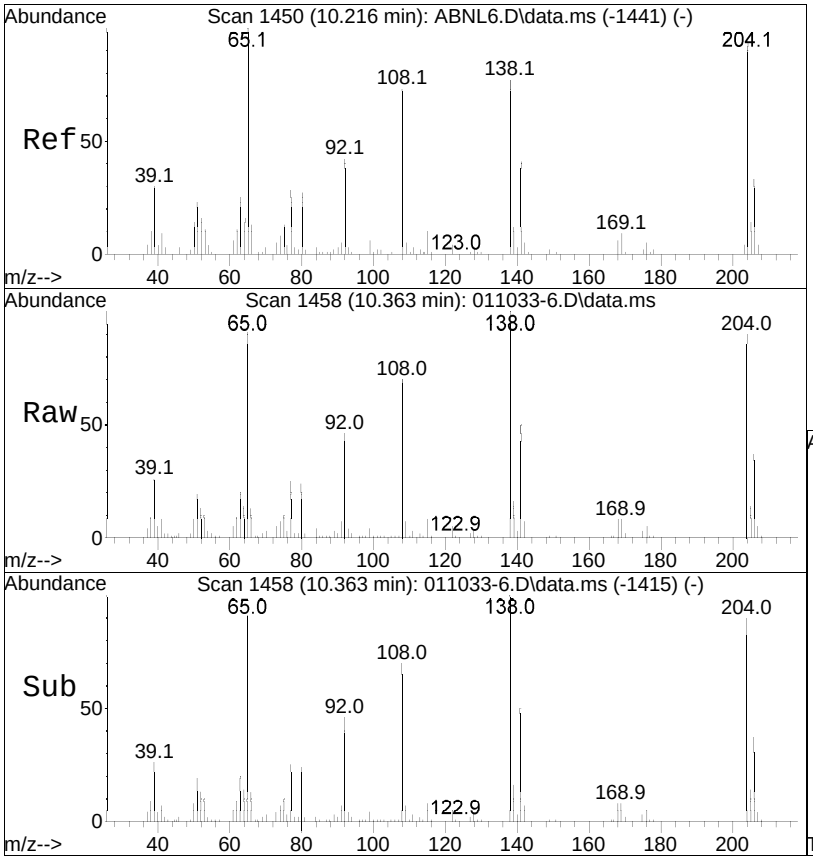


#74
4-Chlorophenyl phenyl ether
Concen: 1.35 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:204 Resp: 30719

Ion	Ratio	Lower	Upper
204	100		
206	35.7	25.8	38.6
141	60.1	53.6	80.4

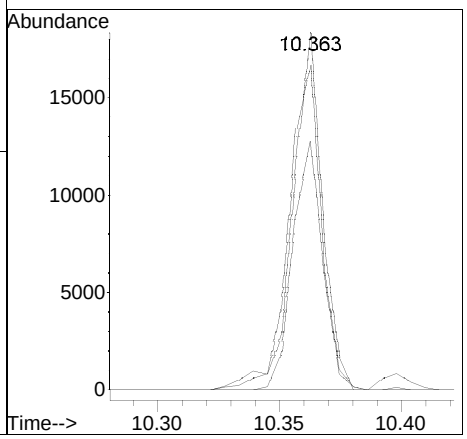


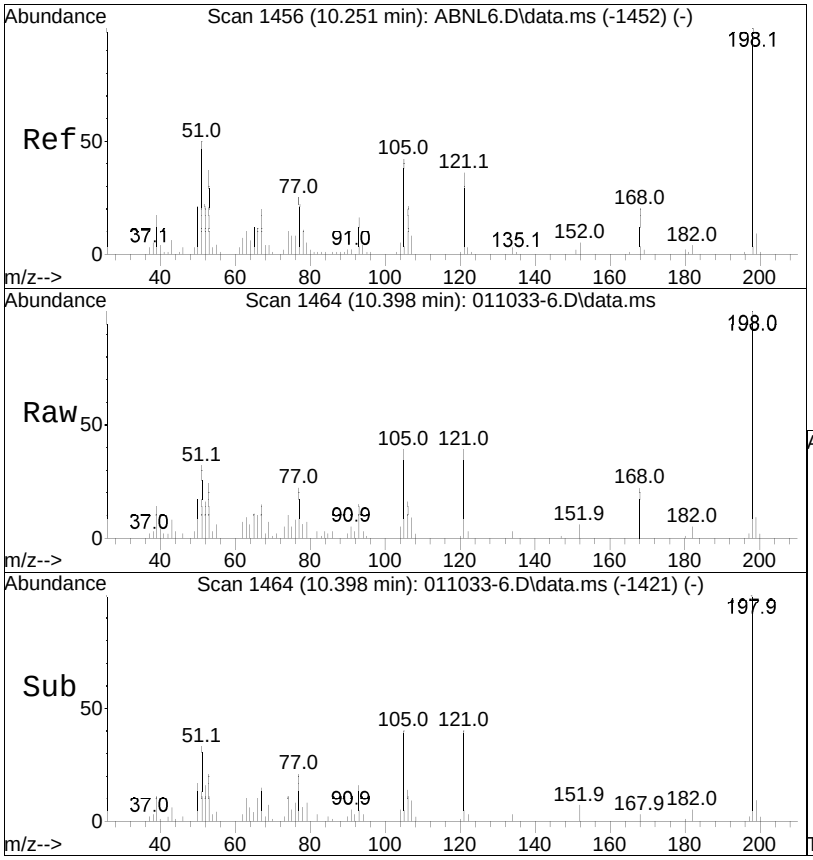


#75
4-Nitroaniline
Concen: 1.57 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:138 Resp: 15614

Ion	Ratio	Lower	Upper
138	100		
108	69.3	52.1	78.1
65	97.9	115.0	172.6#

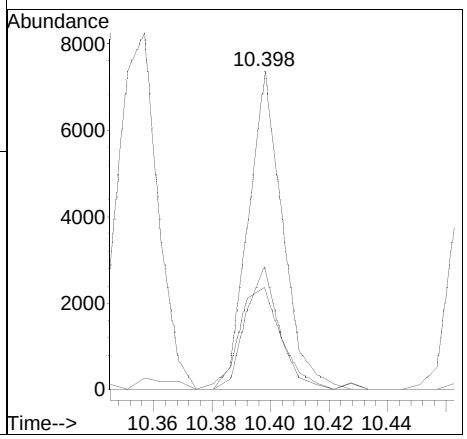


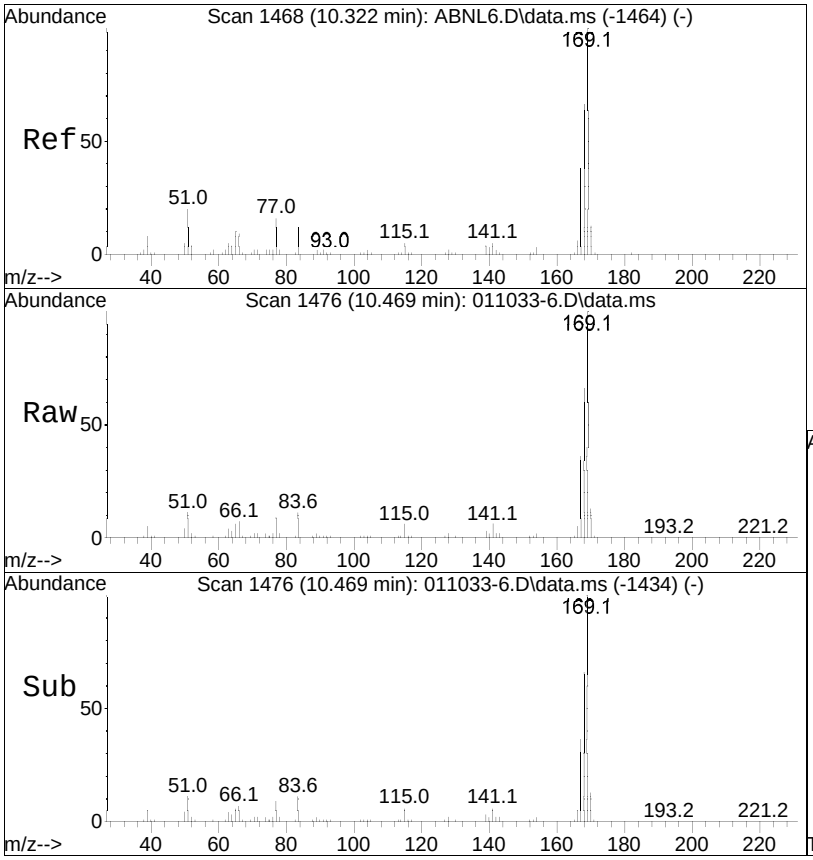


#76
4,6-Dinitro-o-cresol
Concen: 0.99 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:198 Resp: 6030

Ion	Ratio	Lower	Upper
198	100		
51	38.9	76.0	114.0#
105	39.6	45.6	68.4#

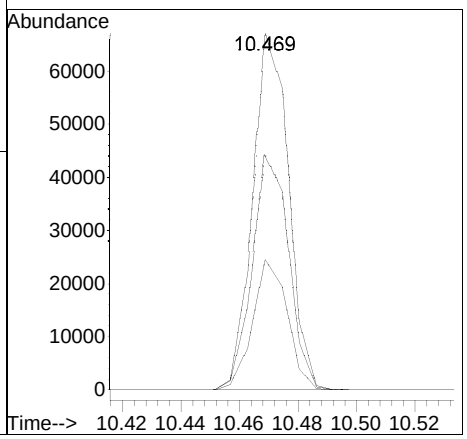


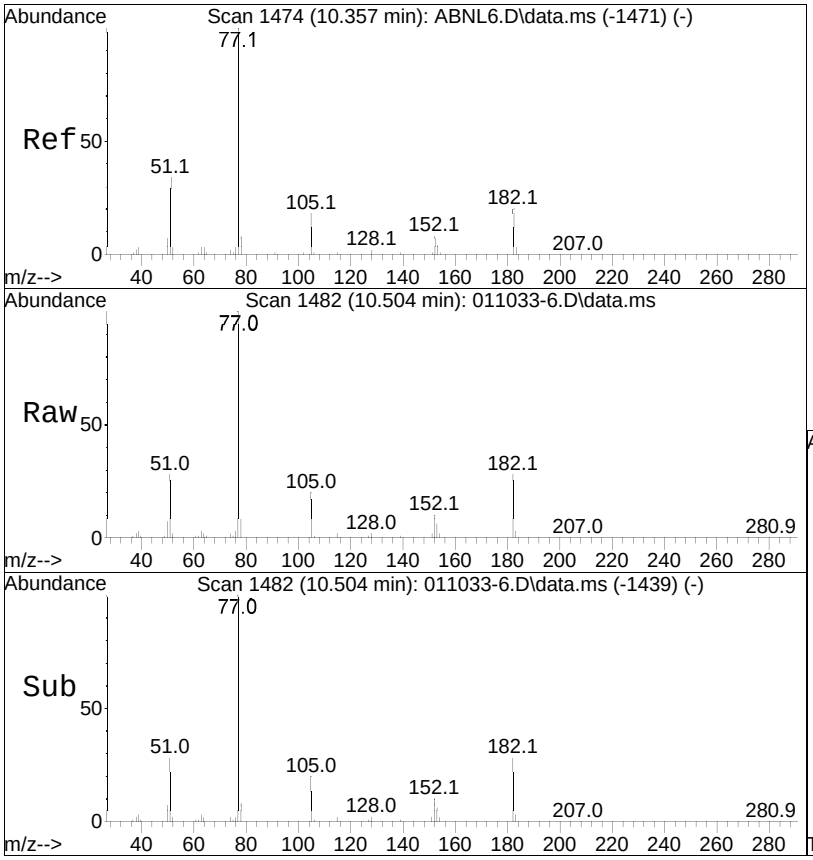


#77
NDPA/DPA
Concen: 1.49 ug/ml
RT: 10.469 min Scan# 1476
Delta R.T. -0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:169 Resp: 57040

Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.0	81.0
167	35.6	28.6	42.8

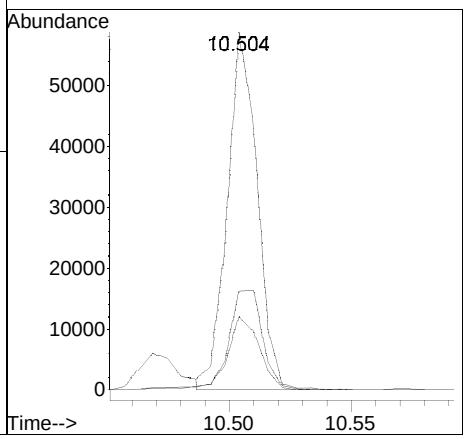


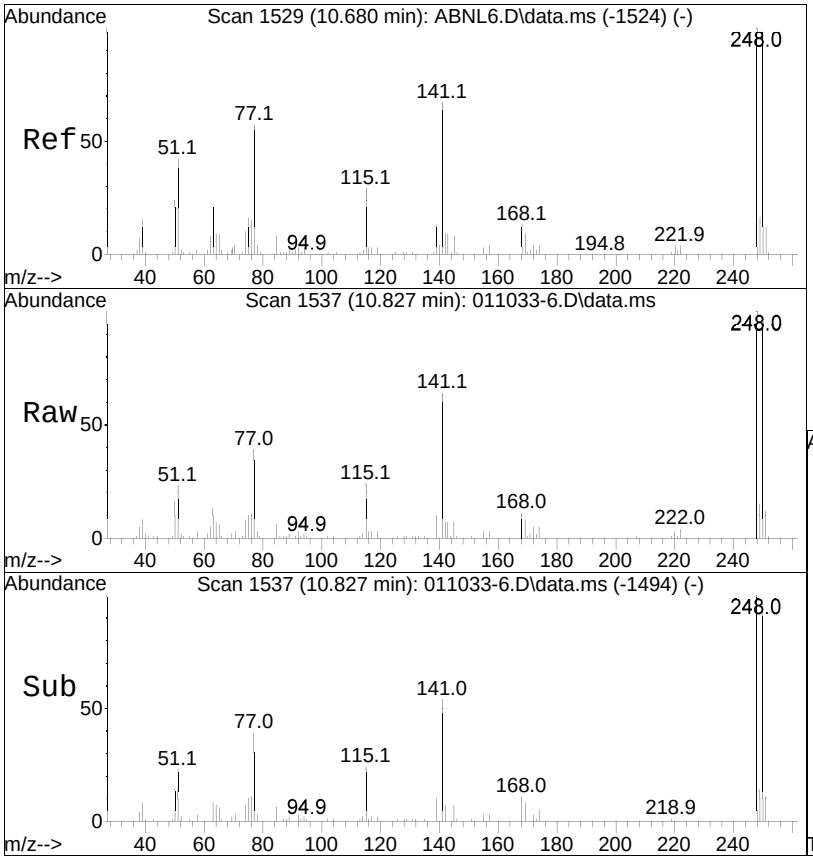


#78
Azobenzene
Concen: 1.32 ug/ml
RT: 10.504 min Scan# 1482
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion: 77 Resp: 49449

Ion	Ratio	Lower	Upper
77	100		
182	32.1	17.4	26.2#
105	23.0	15.4	23.2

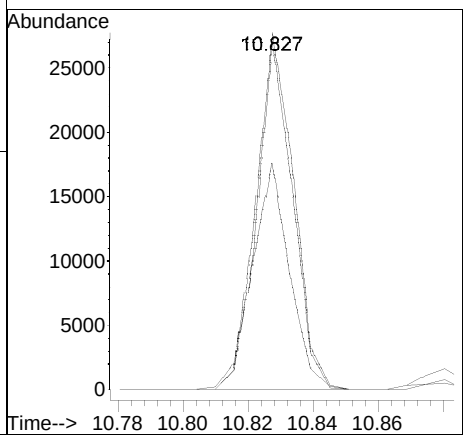


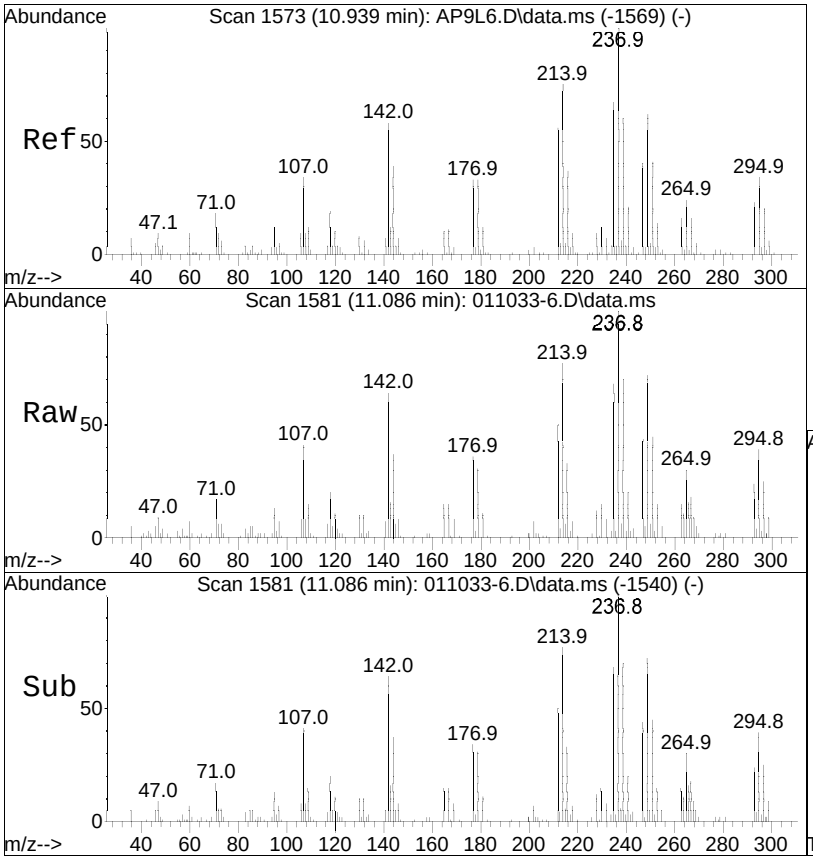


#80
4-Bromophenyl phenyl ether
Concen: 1.57 ug/ml
RT: 10.827 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:248 Resp: 22187

Ion	Ratio	Lower	Upper
248	100		
141	63.1	76.6	114.8#
250	92.0	77.3	115.9

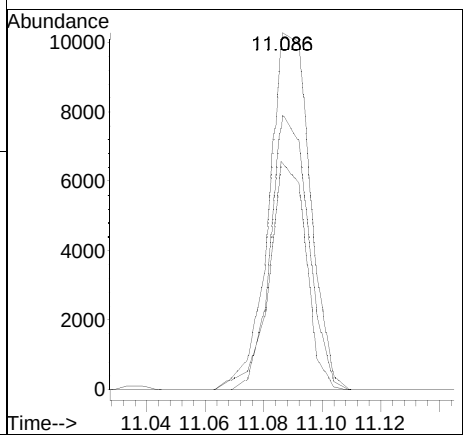


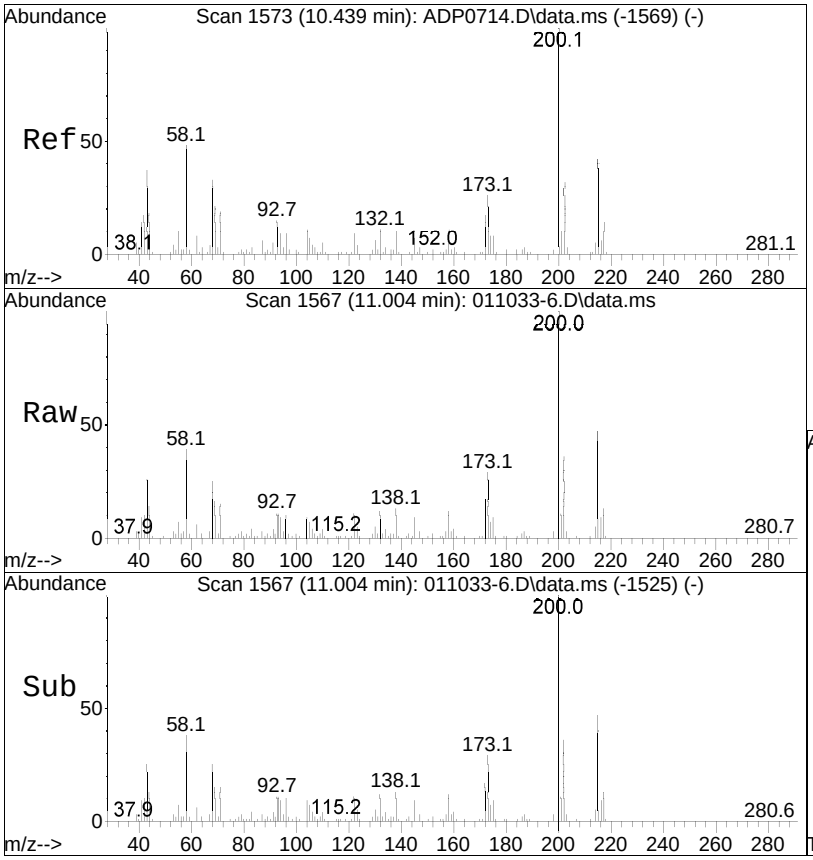


#85
Pentachloronitrobenzene
Concen: 1.72 ug/ml
RT: 11.086 min Scan# 1581
Delta R.T. -0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:237 Resp: 10103

Ion	Ratio	Lower	Upper
237	100		
142	57.5	77.0	115.4#
214	70.4	58.2	87.4

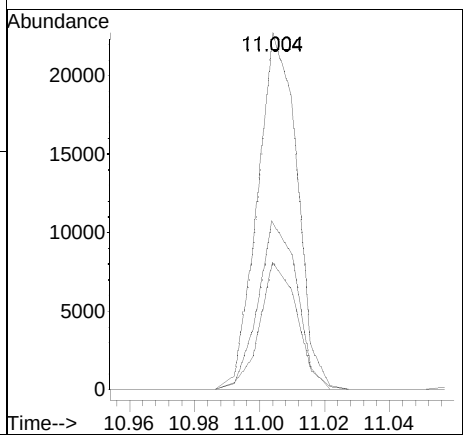


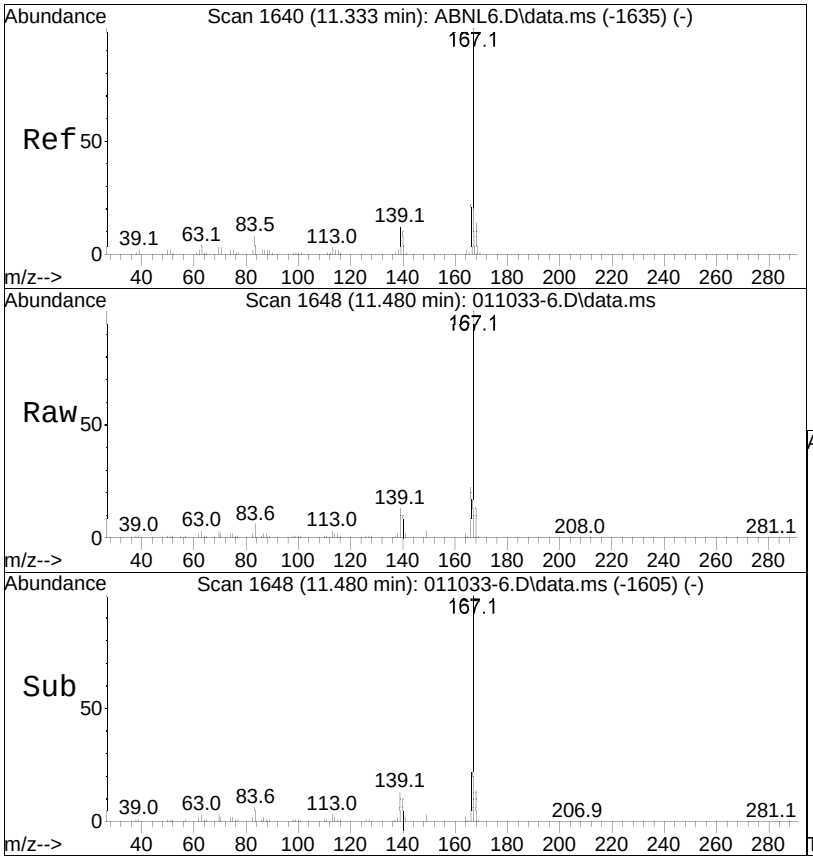


#87
Atrazine
Concen: 1.51 ug/ml
RT: 11.004 min Scan# 1567
Delta R.T. -0.006 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:200 Resp: 19072

Ion	Ratio	Lower	Upper
200	100		
202	34.2	25.8	38.6
215	46.3	40.2	60.4

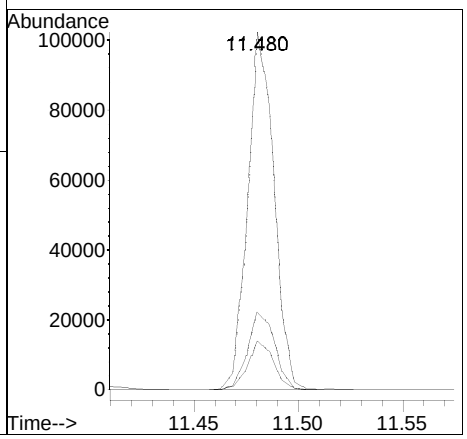


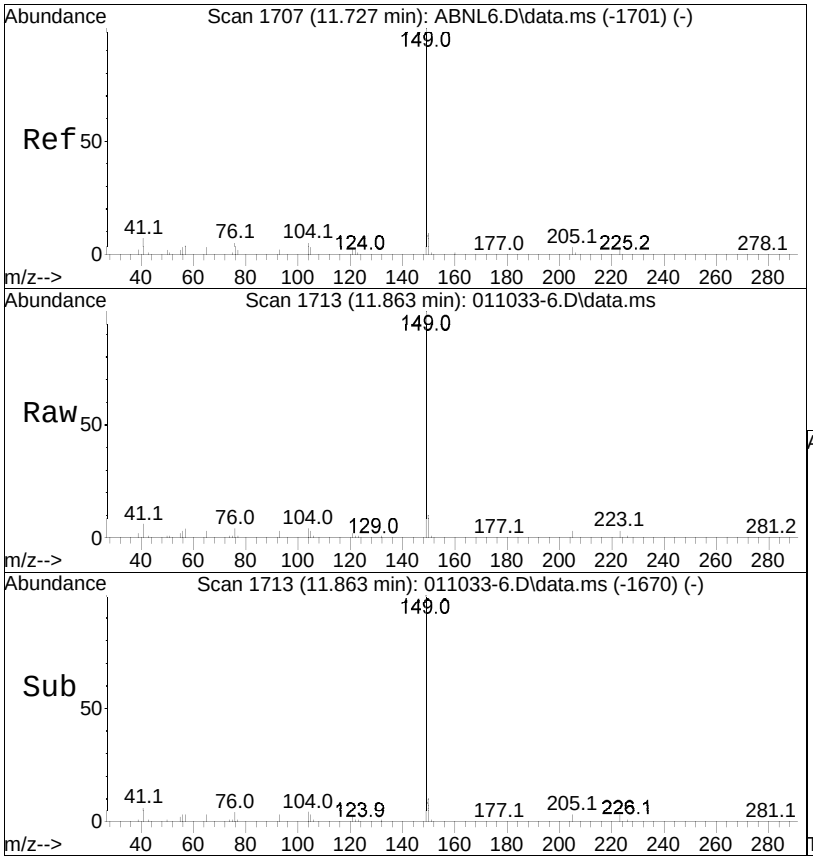


#91
Carbazole
Concen: 1.51 ug/ml
RT: 11.480 min Scan# 1648
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:167 Resp: 88348

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.6	17.4	26.0

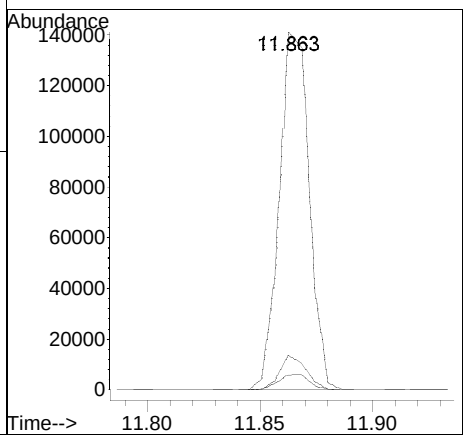


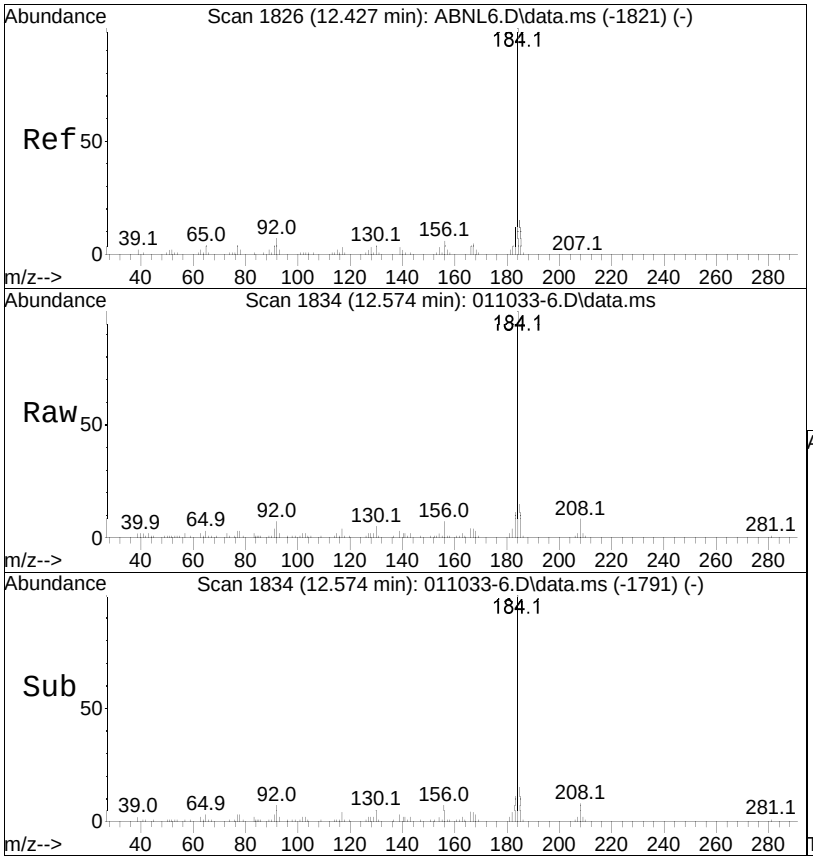


#92
Di-n-butylphthalate
Concen: 1.76 ug/ml
RT: 11.863 min Scan# 1713
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:149 Resp: 128857

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.0	10.6
104	4.6	4.5	6.7

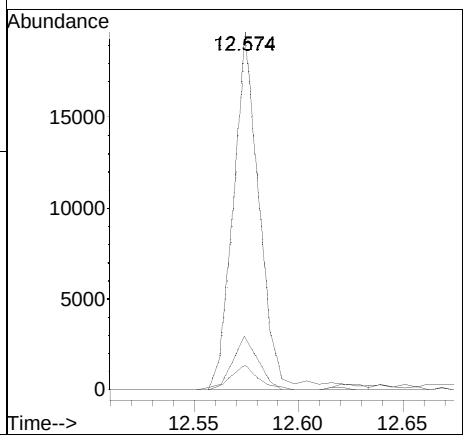


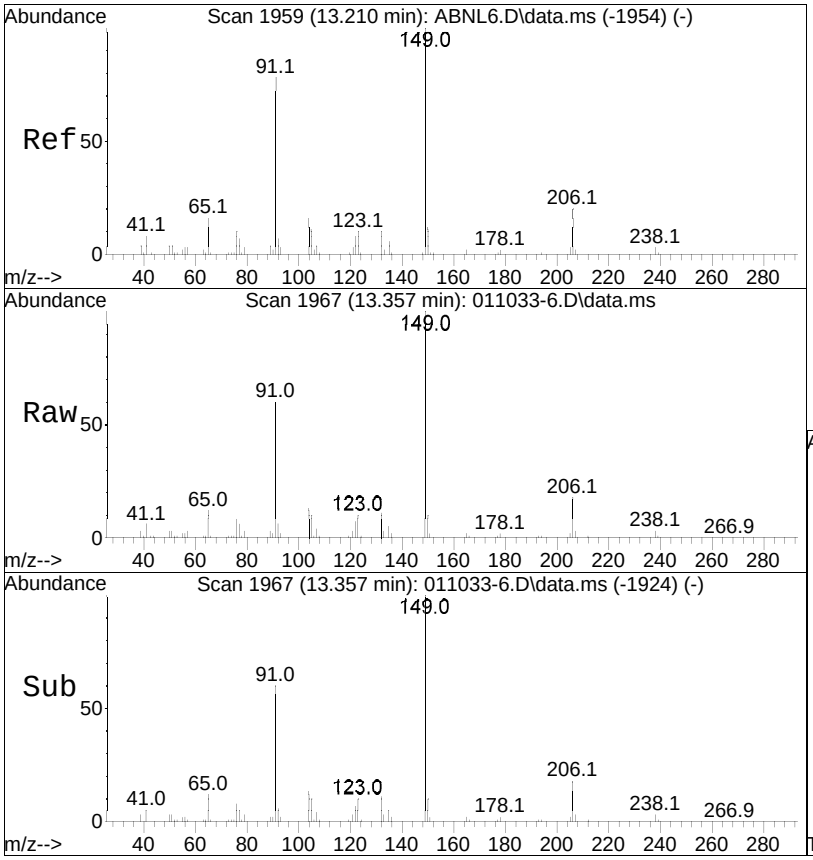


#94
Benzidine
Concen: 0.40 ug/ml
RT: 12.574 min Scan# 1834
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:184 Resp: 17198

Ion	Ratio	Lower	Upper
184	100		
92	7.1	9.1	13.7#
185	14.5	11.1	16.7

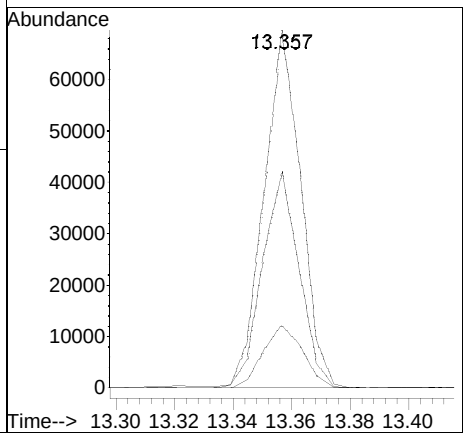


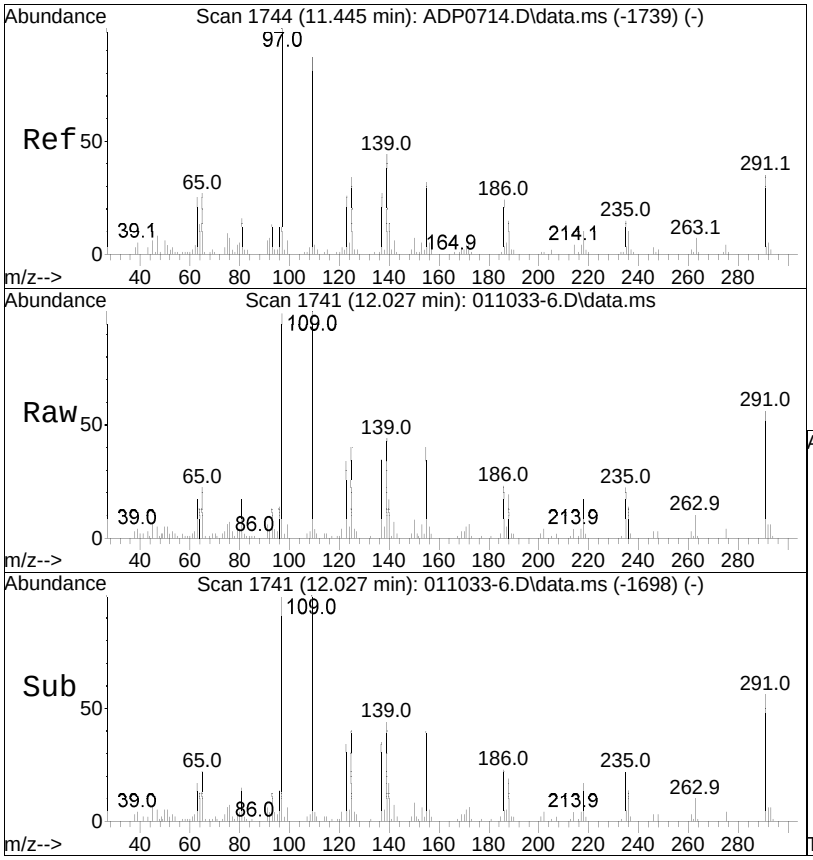


#97
Butyl benzyl phthalate
Concen: 1.97 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:149 Resp: 60383

Ion	Ratio	Lower	Upper
149	100		
91	60.6	63.3	94.9#
206	18.9	13.9	20.9

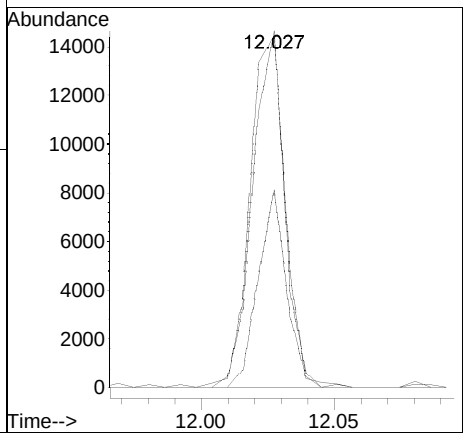


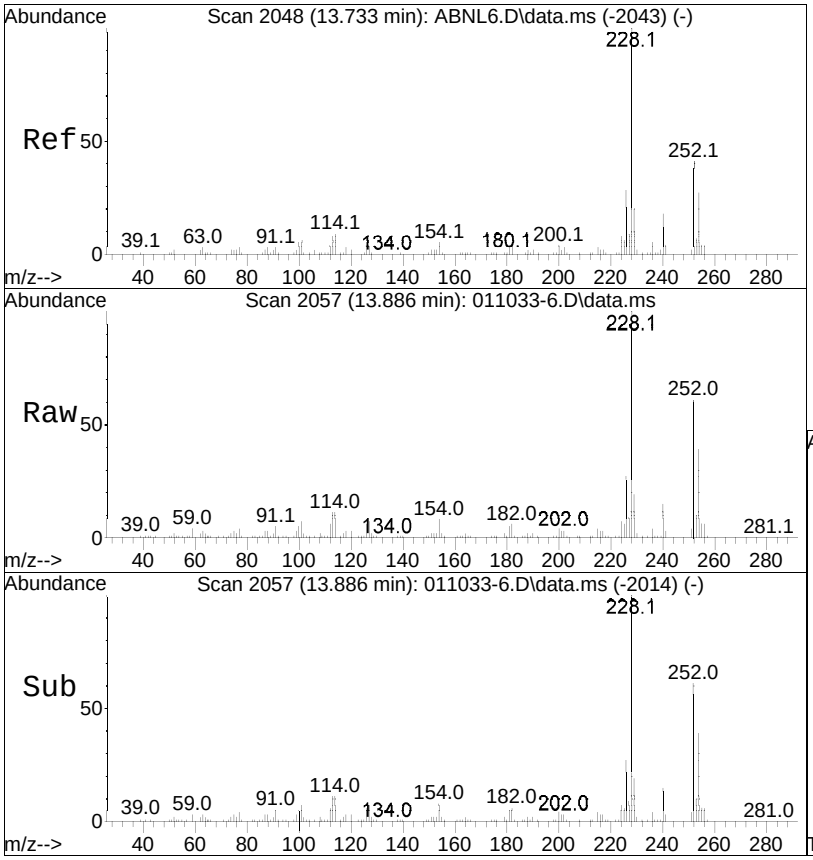


#102
Parathion
Concen: 1.95 ug/ml
RT: 12.027 min Scan# 1741
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:109 Resp: 12121

Ion	Ratio	Lower	Upper
109	100		
97	108.9	87.4	131.2
291	49.2	34.2	51.2

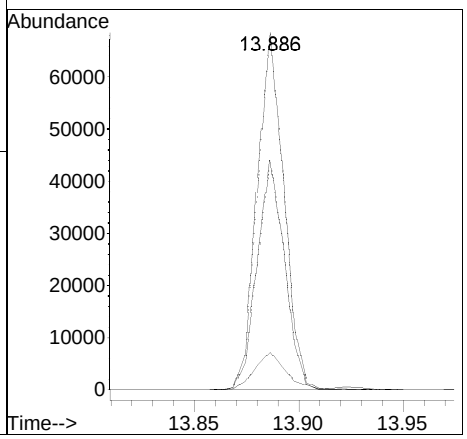


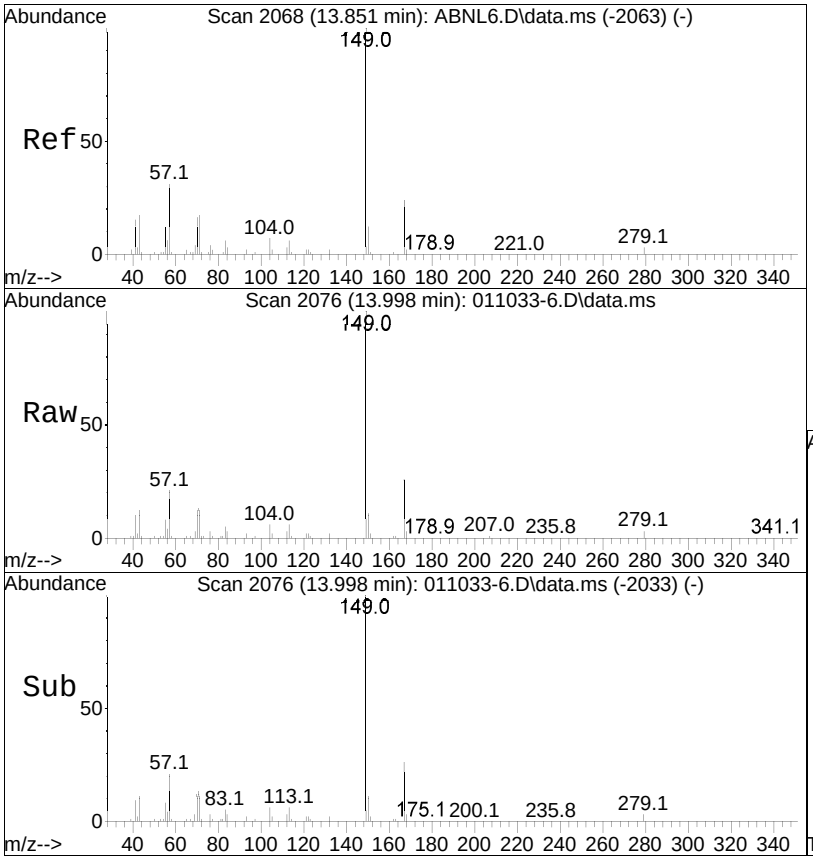


#106
3,3'-Dichlorobenzidine
Concen: 2.00 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:252 Resp: 60811

Ion	Ratio	Lower	Upper
252	100		
126	12.7	14.5	21.7#
254	65.8	51.2	76.8

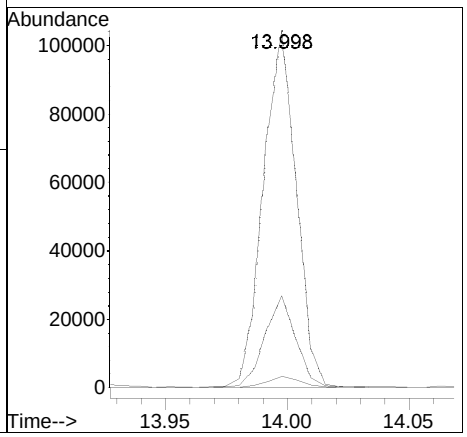


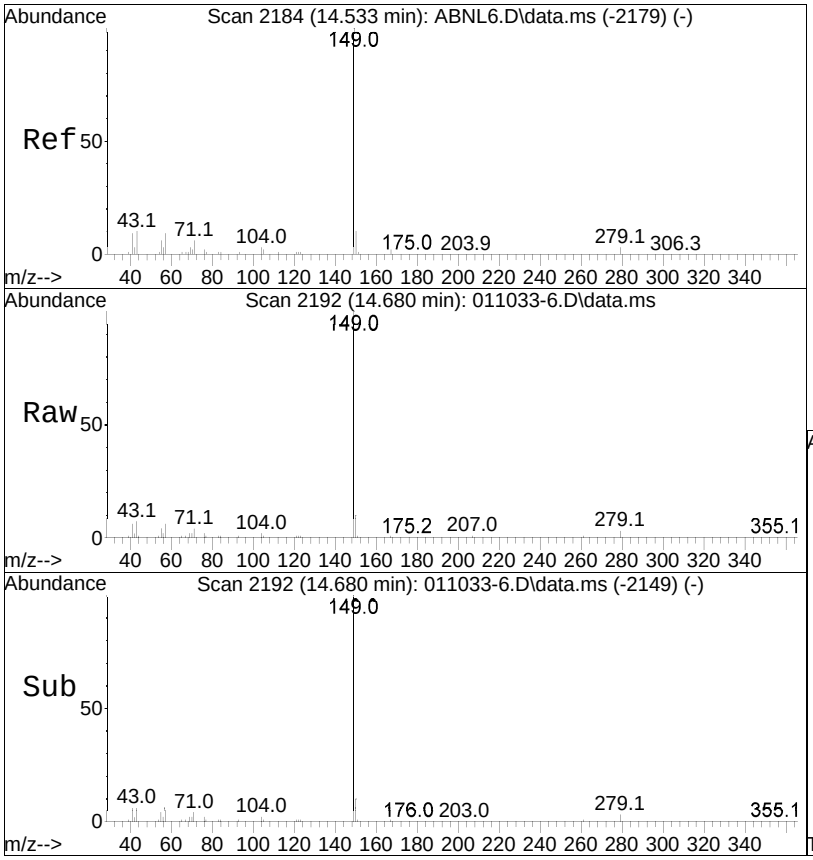


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.75 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:149 Resp: 97091

Ion	Ratio	Lower	Upper
149	100		
167	24.5	22.1	33.1
279	2.9	3.0	4.4#

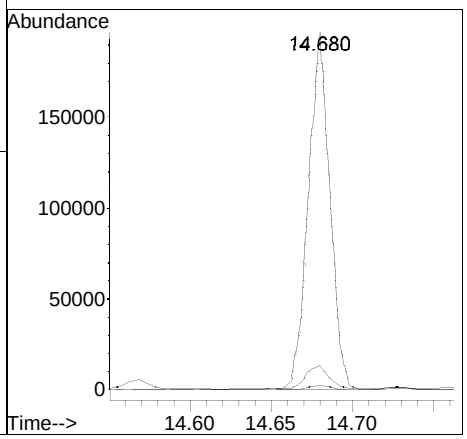




#109
Di-n-octylphthalate
Concen: 1.95 ug/ml
RT: 14.680 min Scan# 2192
Delta R.T. 0.000 min
Lab File: 011033-6.D
Acq: 19 Dec 2024 4:14 pm

Tgt Ion:149 Resp: 179459

Ion	Ratio	Lower	Upper
149	100		
43	7.2	18.8	28.2#
167	1.4	1.3	1.9



Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: 011033-6.D	Operator	: SV106:smz
Date Inj'd	: 12/19/2024 4:14 pm	Instrument	: SV 106
Sample	: WG2011033-6,32,,gmr	Quant Date	: 12/19/2024 4:33 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-5.D
Acq On : 18 Dec 2024 2:59 am
Operator : Dakota:smz
Sample : WG2010029-5,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 18 03:16:30 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.633	152	25789	4.000	ug/ml	0.00
Standard Area 1 = 26655			Recovery = 96.75%			
27) IS2_1,4-Dichlorobenzen...	3.633	152	25789	4.000	ug/ml	0.00
Standard Area 3 = 25773			Recovery = 100.06%			
37) IS1_Naphthalene-d8	4.895	136	98481	4.000	ug/ml	# 0.00
Standard Area 1 = 106241			Recovery = 92.70%			
57) IS2_Naphthalene-d8	4.895	136	98481	4.000	ug/ml	# 0.00
Standard Area 3 = 99018			Recovery = 99.46%			
65) IS1_Acenaphthene-d10	6.574	164	64785	4.000	ug/ml	0.00
Standard Area 1 = 71683			Recovery = 90.38%			
85) IS2_Acenaphthene-d10	6.574	164	64785	4.000	ug/ml	0.00
Standard Area 3 = 64706			Recovery = 100.12%			
88) IS3_Acenaphthene-d10	6.574	164	64785	4.000	ug/ml	0.00
Standard Area 2 = 65397			Recovery = 99.06%			
90) IS1_Phenanthrene-d10	7.966	188	144005	4.000	ug/ml	0.00
Standard Area 1 = 155913			Recovery = 92.36%			
102) IS3_Phenanthrene-d10	7.966	188	144005	4.000	ug/ml	0.00
Standard Area 2 = 147521			Recovery = 97.62%			
106) IS1_Chrysene-d12	10.471	240	160041	4.000	ug/ml	0.00
Standard Area 1 = 174995			Recovery = 91.45%			
115) IS1_Perylene-d12	11.820	264	194027	4.000	ug/ml	0.00
Standard Area 1 = 205184			Recovery = 94.56%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.225	112	6930	1.045	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.25%			
7) Phenol-d6	3.366	99	6414	0.755	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.75%			
19) Nitrobenzene-d5	4.212	82	5990	0.777	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.70%			
48) 2-Fluorobiphenyl	5.980	172	15849	0.650	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.00%			
81) 2,4,6-Tribromophenol	7.326	330	7484	1.616	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 80.80%			
98) 4-Terphenyl-d14	9.536	244	30421	0.730	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.00%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-5.D
Acq On : 18 Dec 2024 2:59 am
Operator : Dakota:smz
Sample : WG2010029-5,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 18 03:16:30 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	3.425	128	10903	1.380	ug/ml	94
8) Phenol	3.379	94	8305	0.907	ug/ml	97
9) Bis(2-chloroethyl)ether	3.425	93	9637	1.469	ug/ml#	73
10) 1,3-Dichlorobenzene	3.571	146	10818	1.064	ug/ml	93
11) 1,4-Dichlorobenzene	3.652	146	11151	1.074	ug/ml	95
12) 1,2-Dichlorobenzene	3.801	146	11284	1.141	ug/ml	92
13) Benzyl alcohol	3.832	79	8276	1.380	ug/ml	98
14) Bis(2-chloroisopropyl)...	3.985	45	18078	1.563	ug/ml#	69
15) 2-Methylphenol	3.994	108	9197	1.322	ug/ml	99
17) n-Nitrosodi-n-propylamine	4.115	70	8962	1.611	ug/ml#	89
18) 3-Methylphenol/4-Methy...	4.165	108	10152	1.332	ug/ml#	39
20) Nitrobenzene	4.227	77	12363	1.569	ug/ml	94
21) Isophorone	4.485	82	22898	1.581	ug/ml#	94
22) 2-Nitrophenol	4.550	139	5451	1.366	ug/ml#	88
23) 2,4-Dimethylphenol	4.672	107	6817	0.961	ug/ml	93
24) Bis(2-chloroethoxy)met...	4.749	93	14518	1.609	ug/ml#	94
25) 2,4-Dichlorophenol	4.799	162	12523	1.512	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.861	180	10615	1.059	ug/ml	94
29) Acetophenone	4.075	105	16854	1.863	ug/ml#	80
39) Benzoic Acid	4.746	105	2277	0.406	ug/ml#	82
40) 4-Chloroaniline	5.017	65	3531	1.186	ug/ml	79
42) p-Chloro-m-cresol	5.545	107	11075	1.552	ug/ml	87
45) Hexachlorocyclopentadiene	5.772	237	3855	0.575	ug/ml#	94
46) 2,4,6-Trichlorophenol	5.899	196	10488	1.486	ug/ml	99
47) 2,4,5-Trichlorophenol	5.927	196	12026	1.524	ug/ml	98
50) 2-Nitroaniline	6.182	138	8515	1.586	ug/ml#	81
53) Dimethyl phthalate	6.403	163	39009	1.599	ug/ml#	98
55) 2,6-Dinitrotoluene	6.434	165	7086	1.556	ug/ml	90
63) 1,2,4,5-Tetrachloroben...	5.766	216	14040	1.381	ug/ml	94
64) Biphenyl	6.061	154	33265	1.605	ug/ml	96
66) 3-Nitroaniline	6.577	138	6443	1.288	ug/ml#	93
68) 2,4-Dinitrophenol	6.679	184	3417	1.122	ug/ml#	89
69) Dibenzofuran	6.773	168	46187	1.422	ug/ml	89
70) 2,4-Dinitrotoluene	6.810	165	10104	1.611	ug/ml	88
71) 4-Nitrophenol	6.807	65	4270	1.145	ug/ml	94
74) Diethyl phthalate	7.083	149	41774	1.638	ug/ml	95

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-5.D
Acq On : 18 Dec 2024 2:59 am
Operator : Dakota:smz
Sample : WG2010029-5,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 18 03:16:30 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241217RVT\ABN1217.D
: 2 - I:\8270\Dakota\241217RVT\ADP1217.D
: 3 - I:\8270\Dakota\241217RVT\AP91217.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.136	204	17938	1.399	ug/ml#	87
77)	4-Nitroaniline	7.149	138	6635	1.372	ug/ml	83
78)	4,6-Dinitro-o-cresol	7.189	198	5567	1.469	ug/ml#	65
79)	NDPA/DPA	7.257	169	32090	1.482	ug/ml	91
82)	4-Bromophenyl phenyl e...	7.590	248	12426	1.471	ug/ml#	81
93)	Carbazole	8.221	167	63256	1.651	ug/ml	99
94)	Di-n-butylphthalate	8.656	149	75583	1.740	ug/ml#	97
99)	Butyl benzyl phthalate	10.061	149	34282	1.842	ug/ml#	84
108)	3,3'-Dichlorobenzidine	10.496	252	30506	1.510	ug/ml#	94
110)	Bis(2-ethylhexyl)phtha...	10.673	149	53713	1.848	ug/ml#	87
111)	Di-n-octylphthalate	11.304	149	89346	1.843	ug/ml#	75

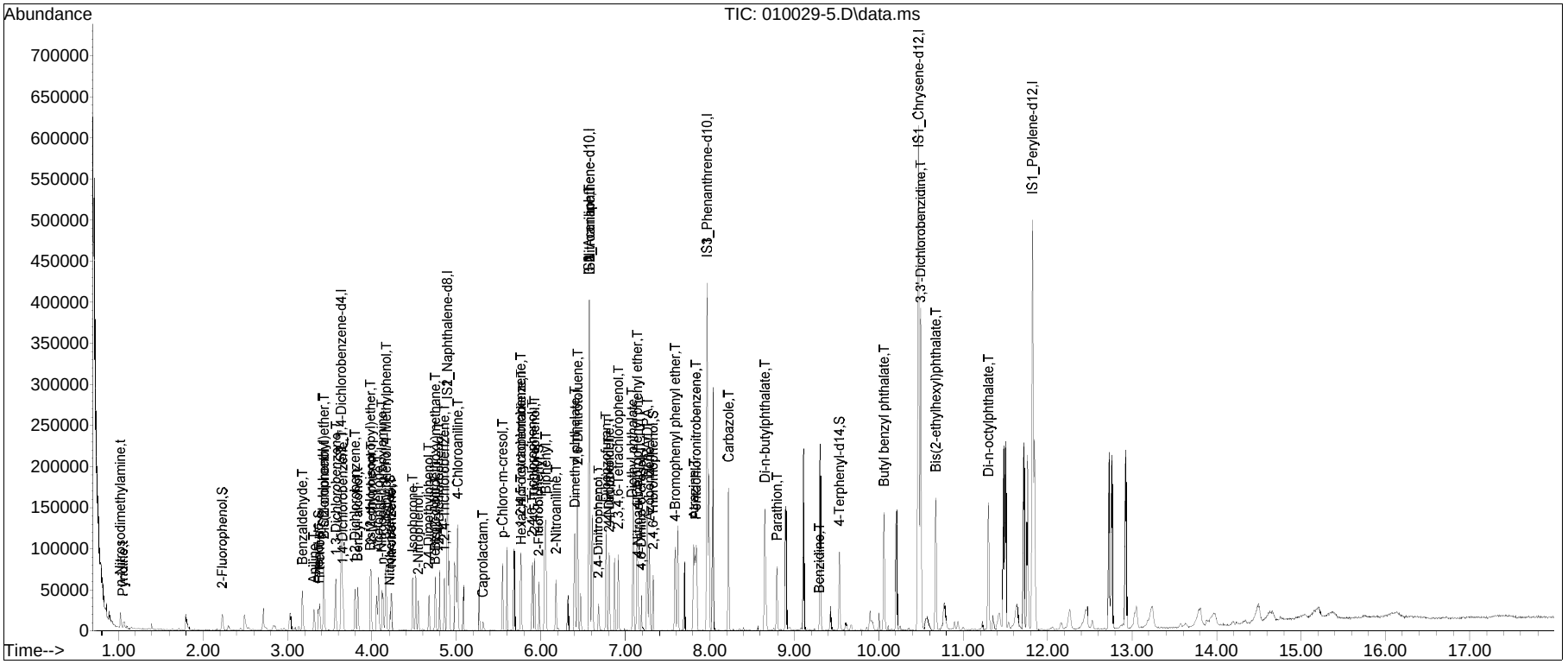
(#) = qualifier out of range (m) = manual integration (+) = signals summed

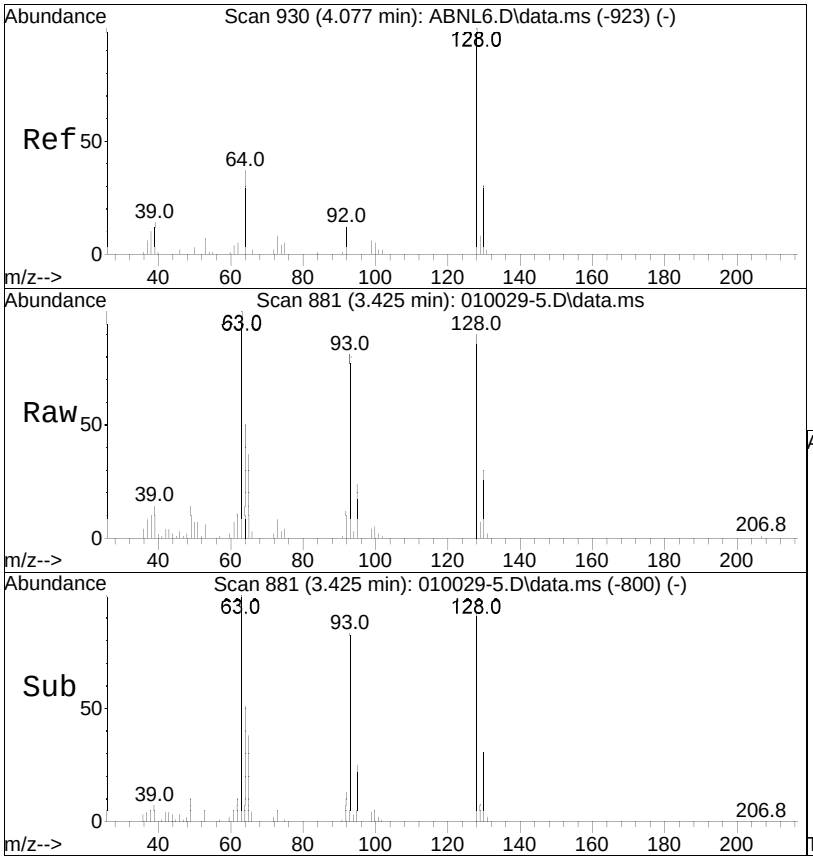
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241217RVT\
Data File : 010029-5.D
Acq On : 18 Dec 2024 2:59 am
Operator : Dakota:smz
Sample : WG2010029-5,32,,ASK
Misc : WG2009957,WG2010029,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 18 03:16:30 2024
Quant Method : I:\8270\Dakota\241217RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 21:41:23 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91217.D•

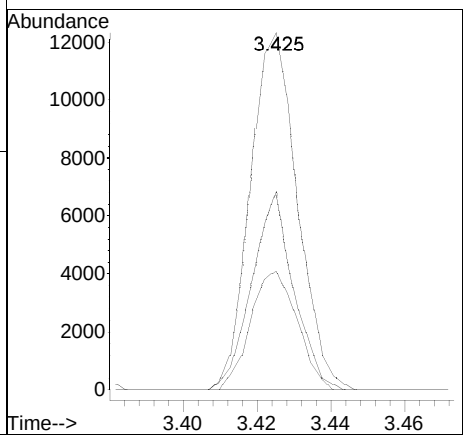


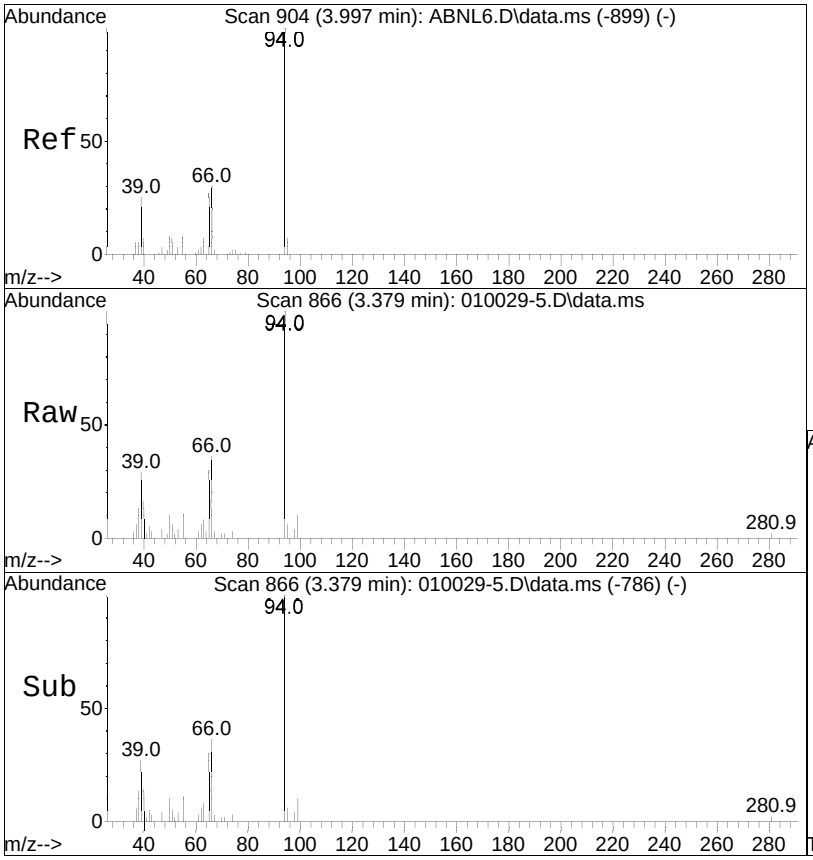


#6
2-Chlorophenol
Concen: 1.38 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:128 Resp: 10903

Ion	Ratio	Lower	Upper
128	100		
64	49.1	45.1	67.7
130	33.0	26.2	39.4

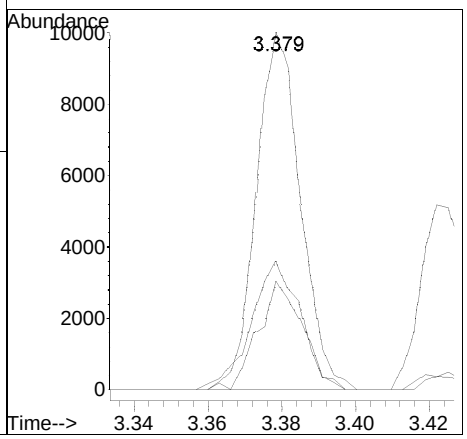


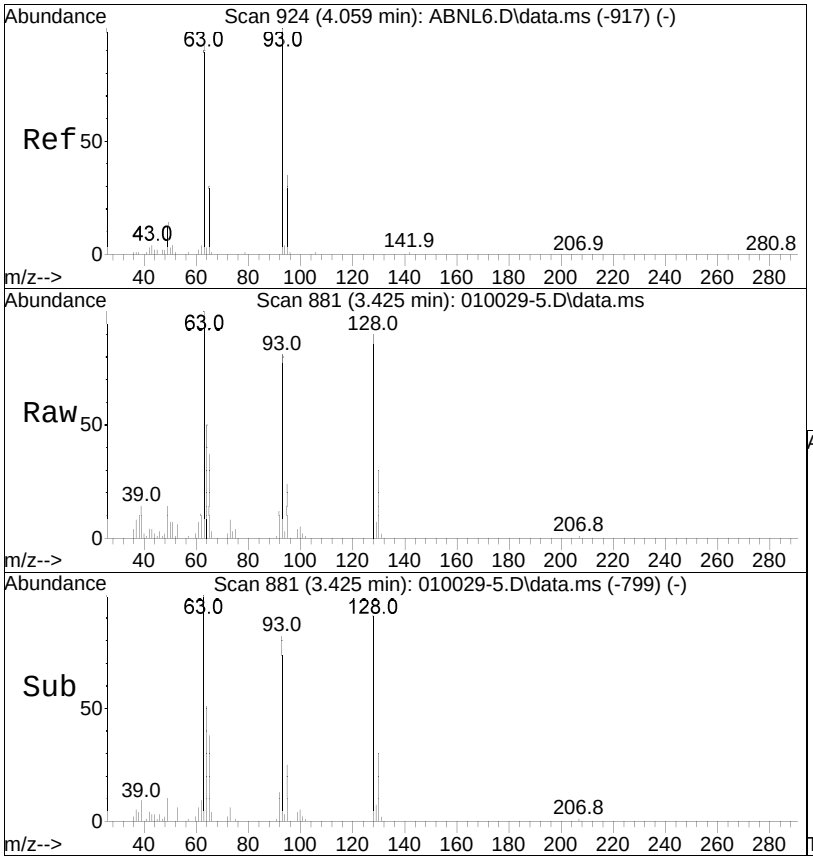


#8
Phenol
Concen: 0.91 ug/ml
RT: 3.379 min Scan# 866
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 94 Resp: 8305

Ion	Ratio	Lower	Upper
94	100		
65	30.6	26.0	39.0
66	40.2	33.8	50.8

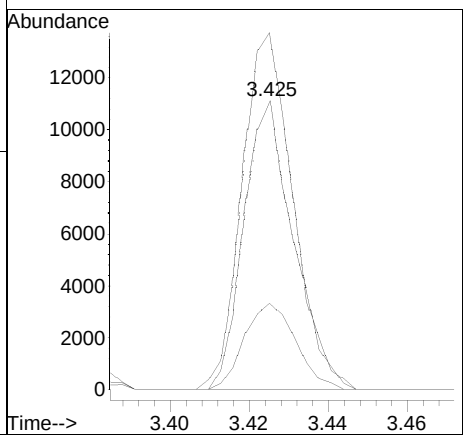


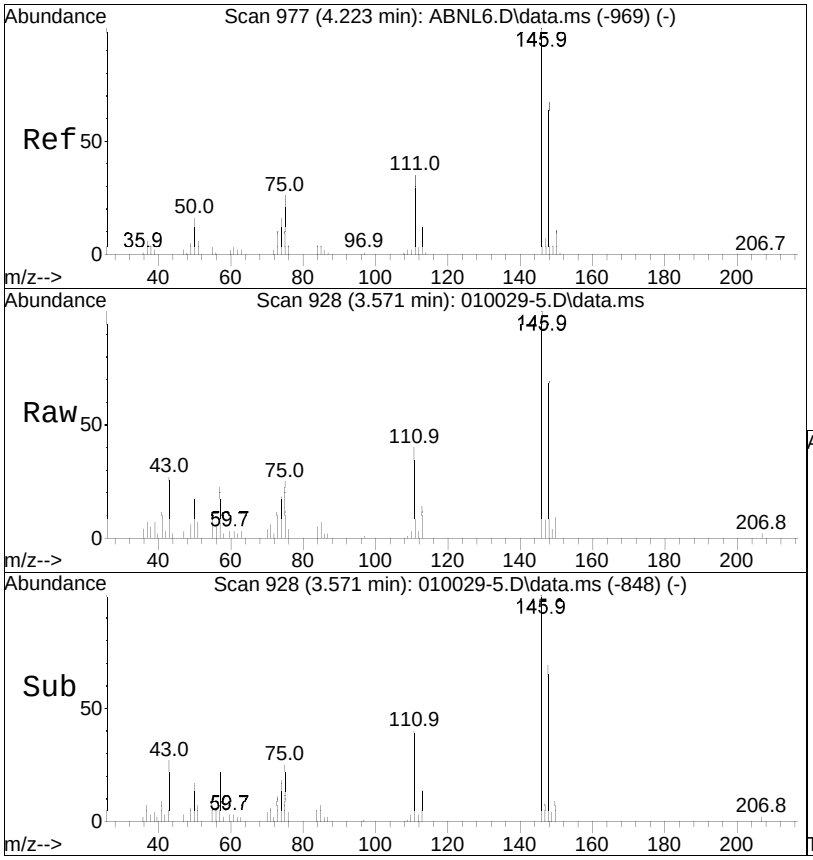


#9
Bis(2-chloroethyl)ether
Concen: 1.47 ug/ml
RT: 3.425 min Scan# 881
Delta R.T. 0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 93 Resp: 9637

Ion	Ratio	Lower	Upper
93	100		
63	127.2	74.6	111.8#
95	31.1	25.9	38.9

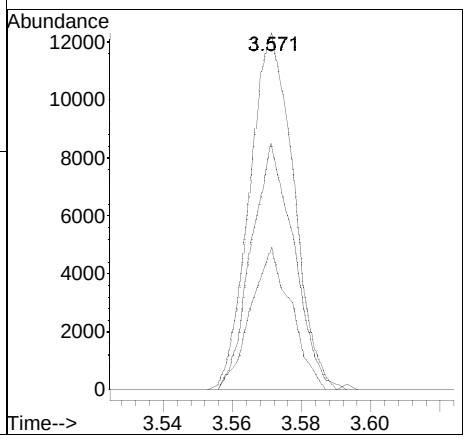


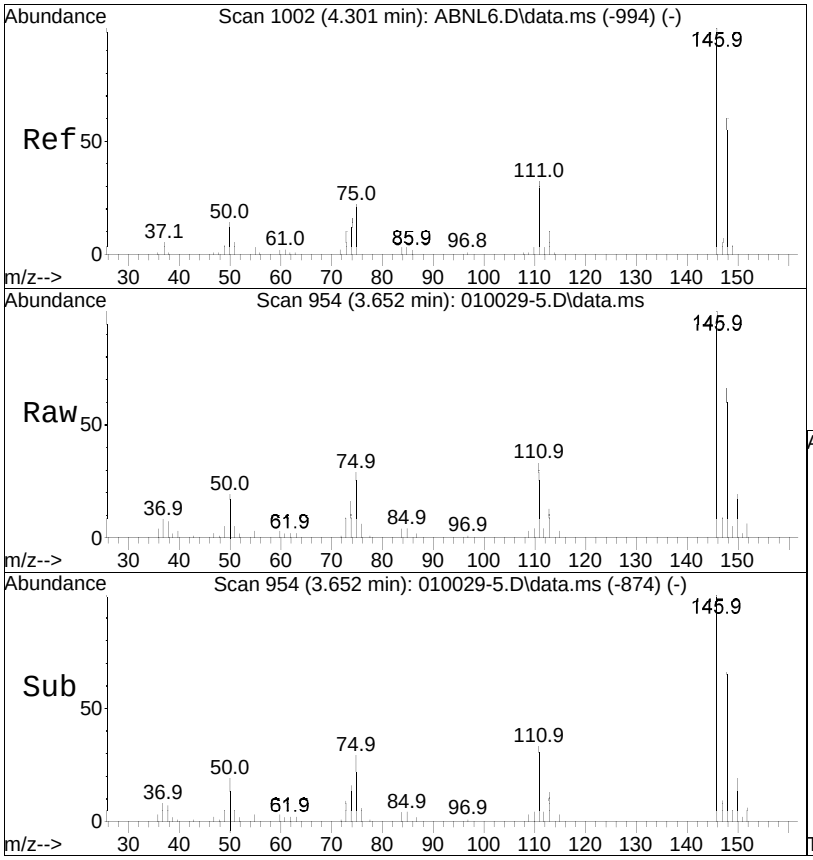


#10
1,3-Dichlorobenzene
Concen: 1.06 ug/ml
RT: 3.571 min Scan# 928
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:146 Resp: 10818

Ion	Ratio	Lower	Upper
146	100		
111	36.8	34.3	51.5
148	67.1	50.8	76.2

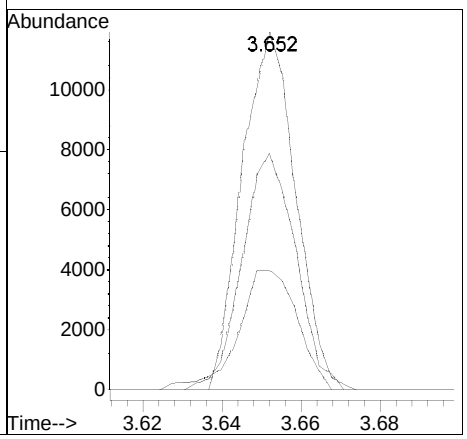


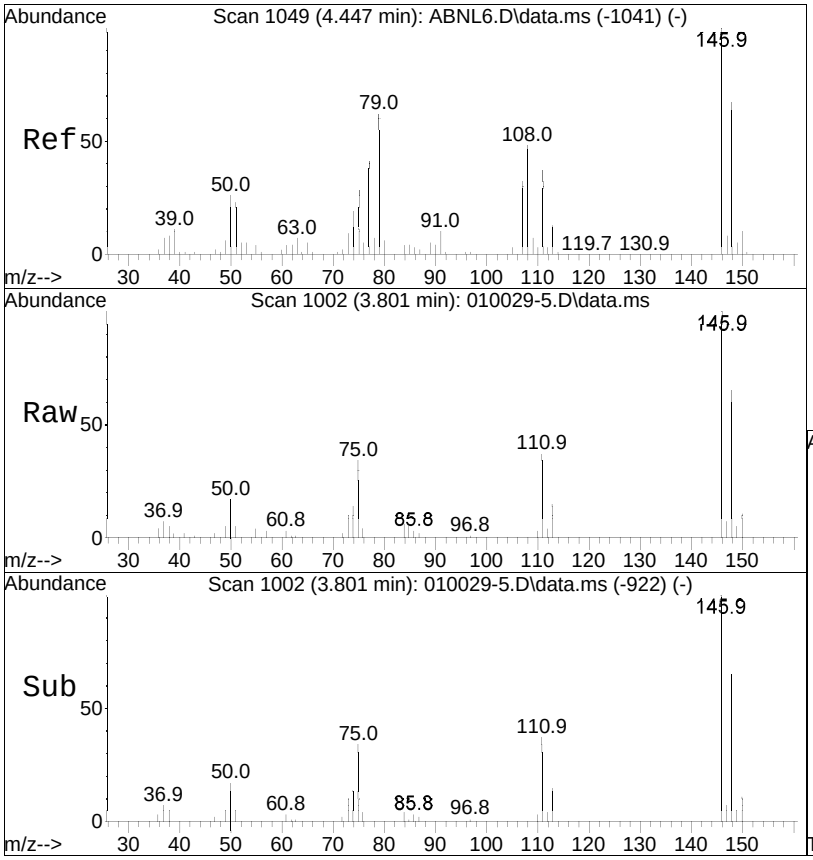


#11
1,4-Dichlorobenzene
Concen: 1.07 ug/ml
RT: 3.652 min Scan# 954
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:146 Resp: 11151

Ion	Ratio	Lower	Upper
146	100		
148	66.2	50.7	76.1
111	37.0	33.4	50.0

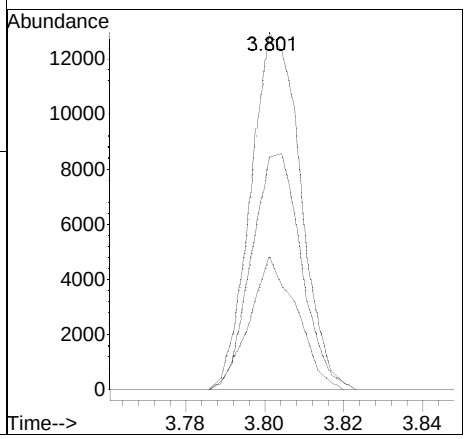


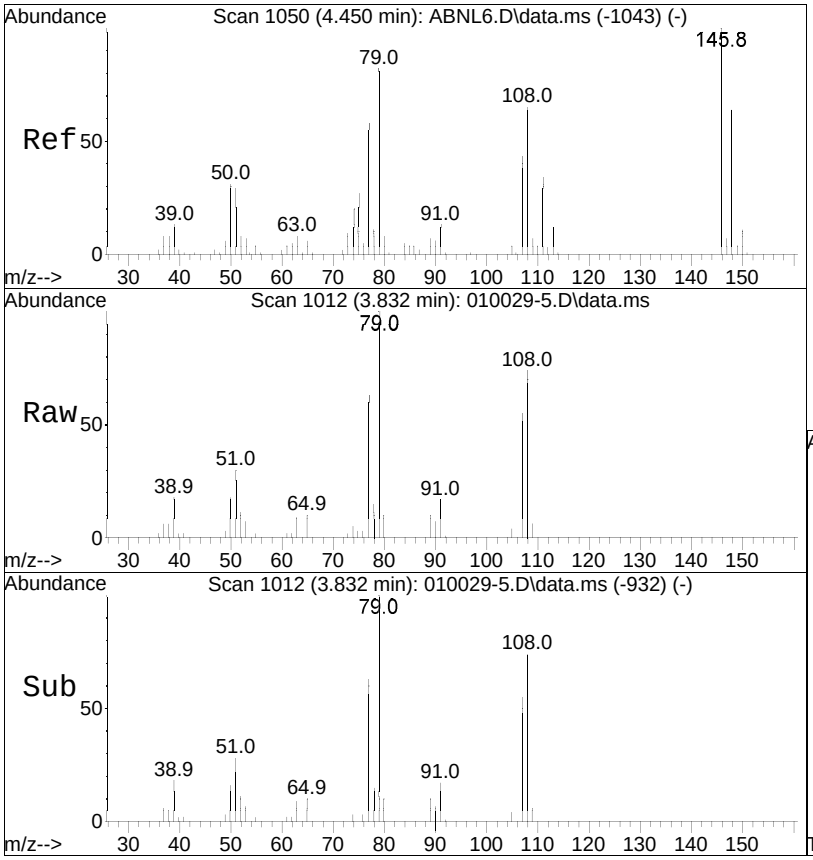


#12
1,2-Dichlorobenzene
Concen: 1.14 ug/ml
RT: 3.801 min Scan# 1002
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:146 Resp: 11284

Ion	Ratio	Lower	Upper
146	100		
111	35.3	34.6	52.0
148	66.0	50.2	75.4

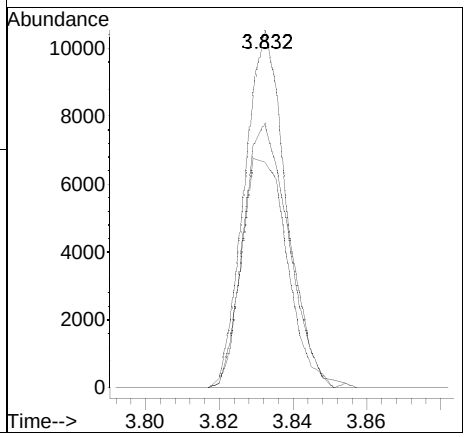


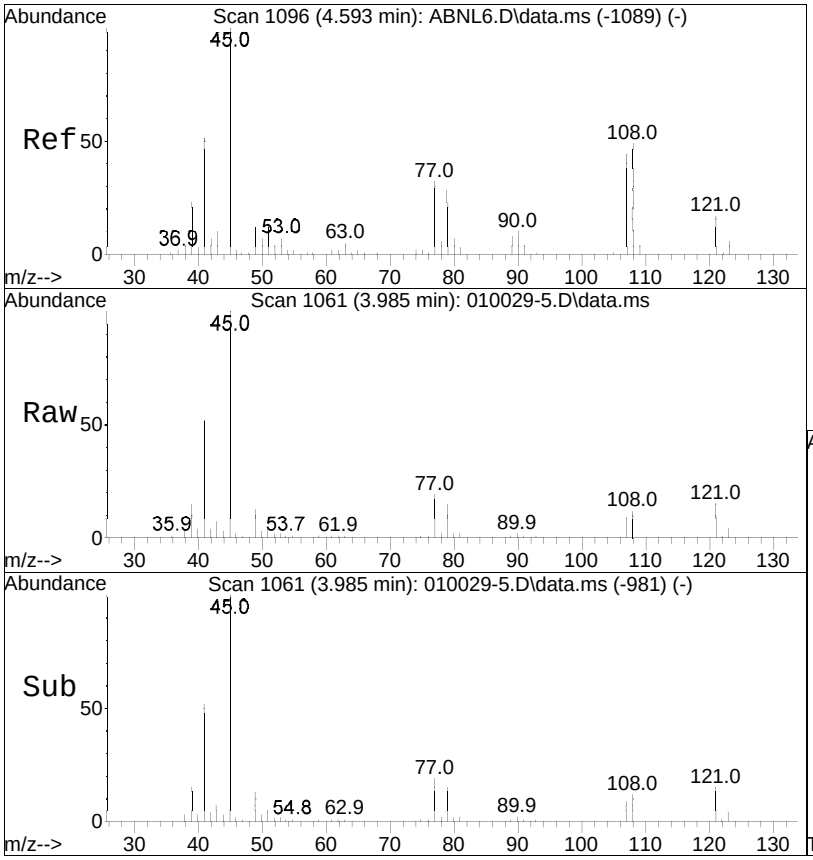


#13
Benzyl alcohol
Concen: 1.38 ug/ml
RT: 3.832 min Scan# 1012
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 79 Resp: 8276

Ion	Ratio	Lower	Upper
79	100		
77	70.2	54.9	82.3
108	80.0	63.1	94.7

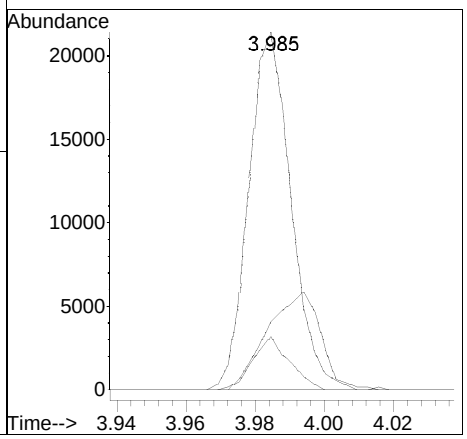


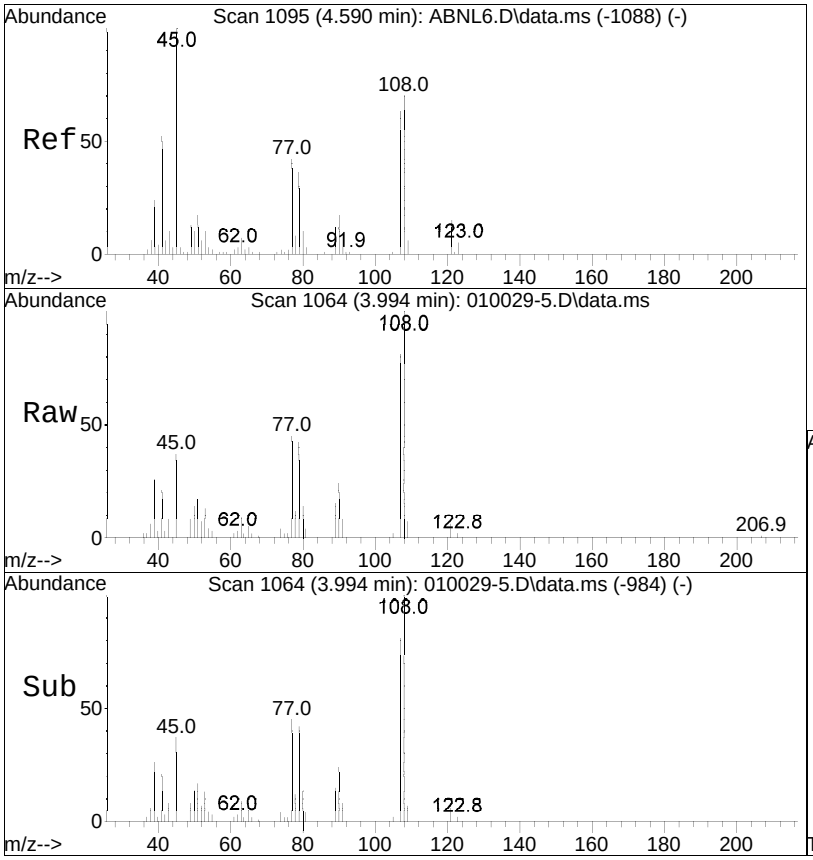


#14
Bis(2-chloroisopropyl)ether
Concen: 1.56 ug/ml
RT: 3.985 min Scan# 1061
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 45 Resp: 18078

Ion	Ratio	Lower	Upper
45	100		
121	12.9	9.8	14.6
77	34.6	6.1	9.1#

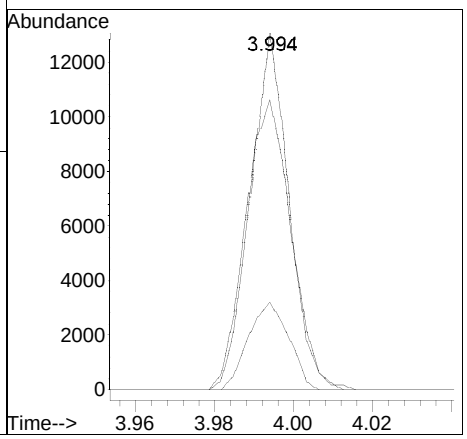


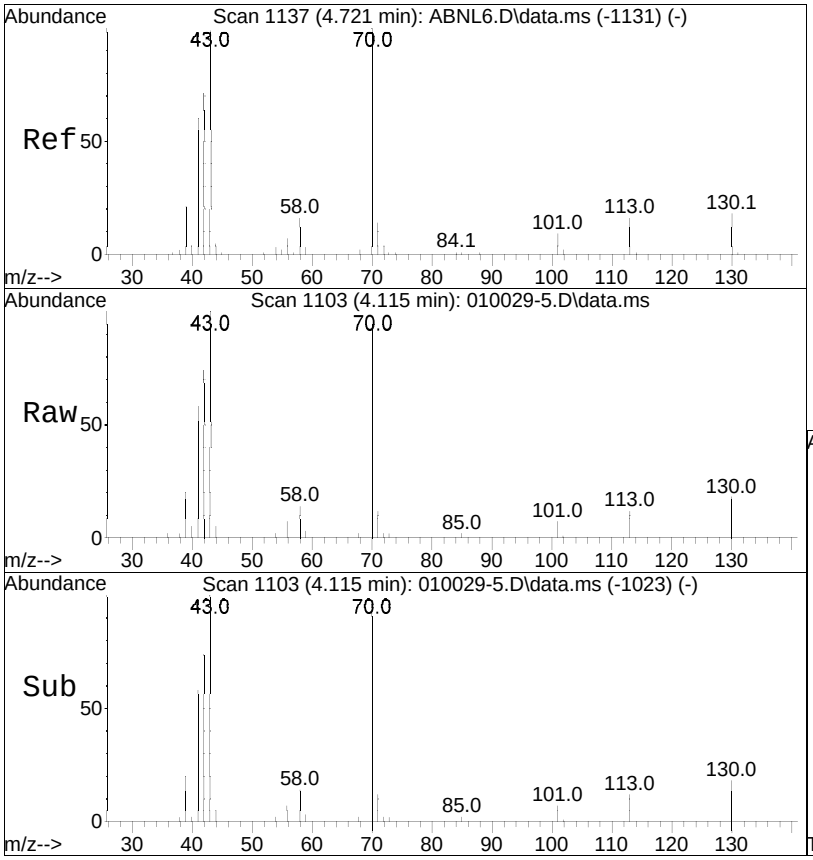


#15
2-Methylphenol
Concen: 1.32 ug/ml
RT: 3.994 min Scan# 1064
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:108 Resp: 9197

Ion	Ratio	Lower	Upper
108	100		
107	88.4	70.7	106.1
90	24.8	18.7	28.1

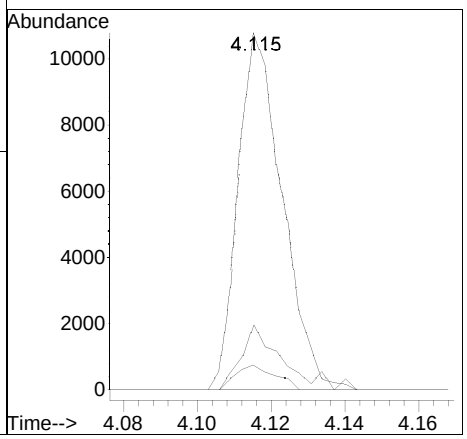


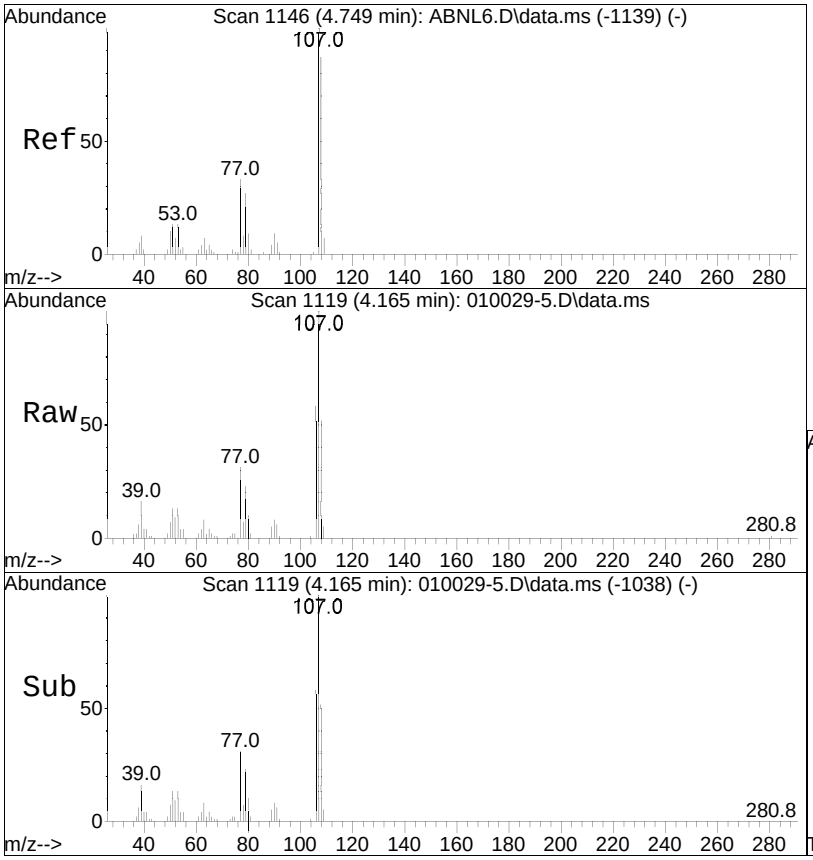


#17
n-Nitrosodi-n-propylamine
Concen: 1.61 ug/ml
RT: 4.115 min Scan# 1103
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 70 Resp: 8962

Ion	Ratio	Lower	Upper
70	100		
130	17.1	18.2	27.4#
101	6.2	7.8	11.8#

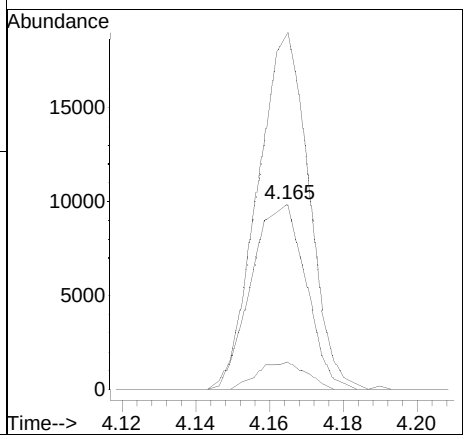


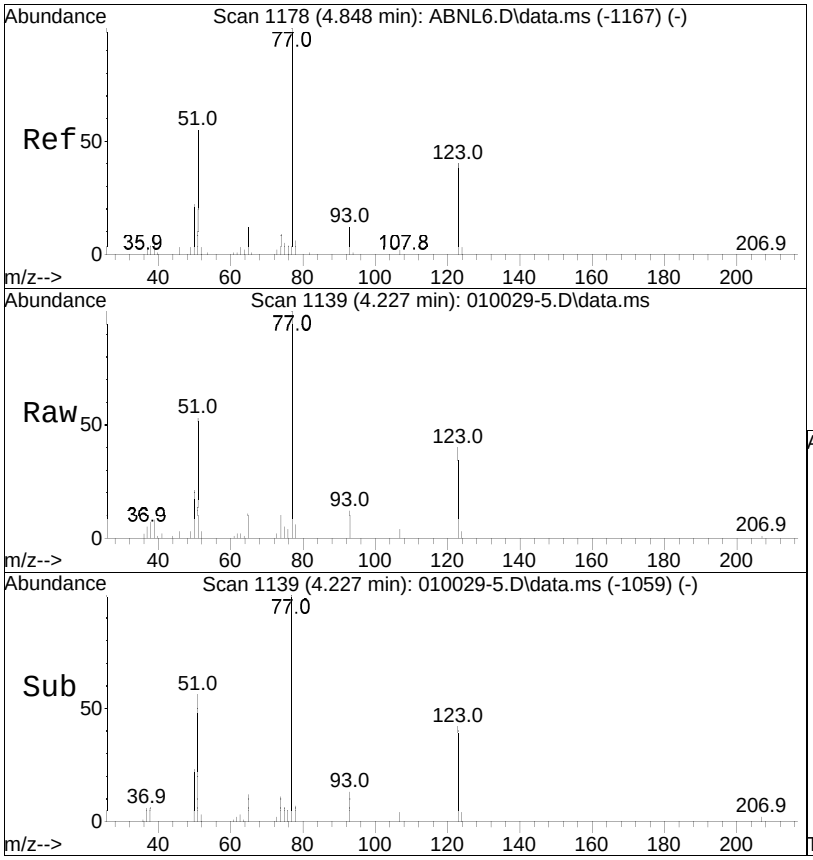


#18
3-Methylphenol/4-Methylphenol
Concen: 1.33 ug/ml
RT: 4.165 min Scan# 1119
Delta R.T. 0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:108 Resp: 10152

Ion	Ratio	Lower	Upper
108	100		
107	180.8	88.6	132.8#
90	13.3	8.8	13.2#

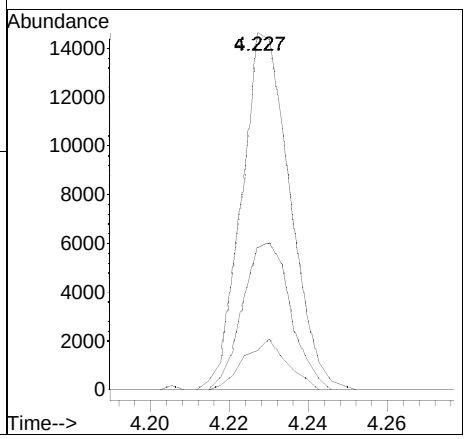


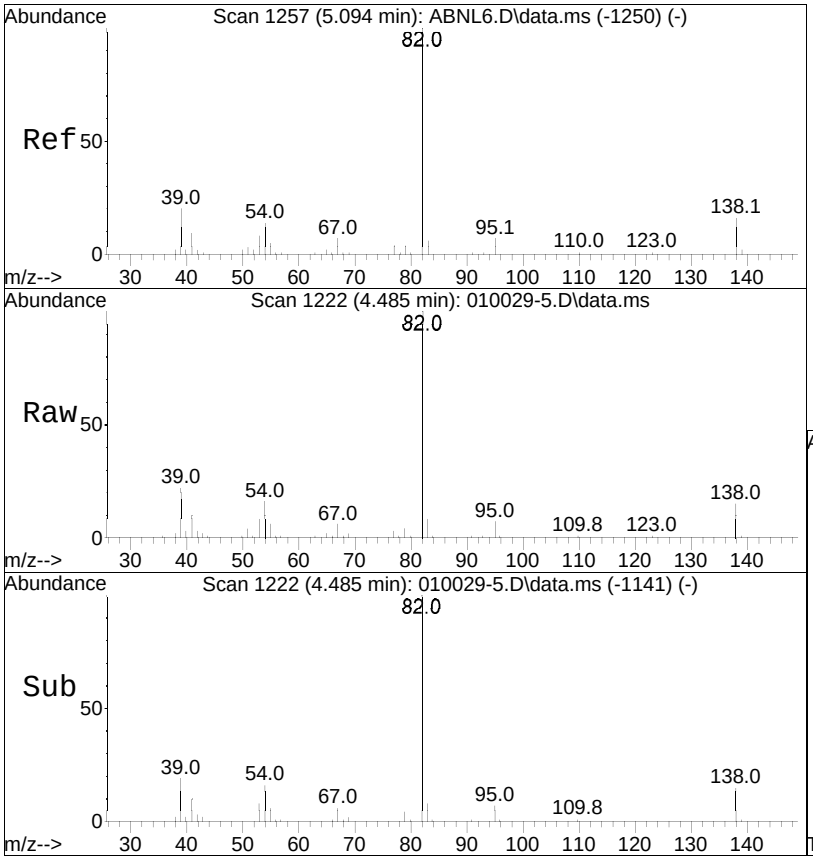


#20
Nitrobenzene
Concen: 1.57 ug/ml
RT: 4.227 min Scan# 1139
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 77 Resp: 12363

Ion	Ratio	Lower	Upper
77	100		
123	41.1	36.3	54.5
65	12.8	11.6	17.4

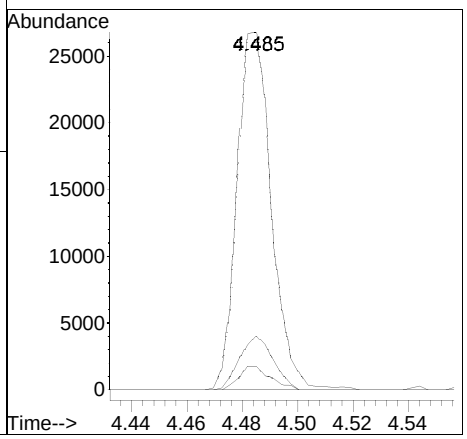


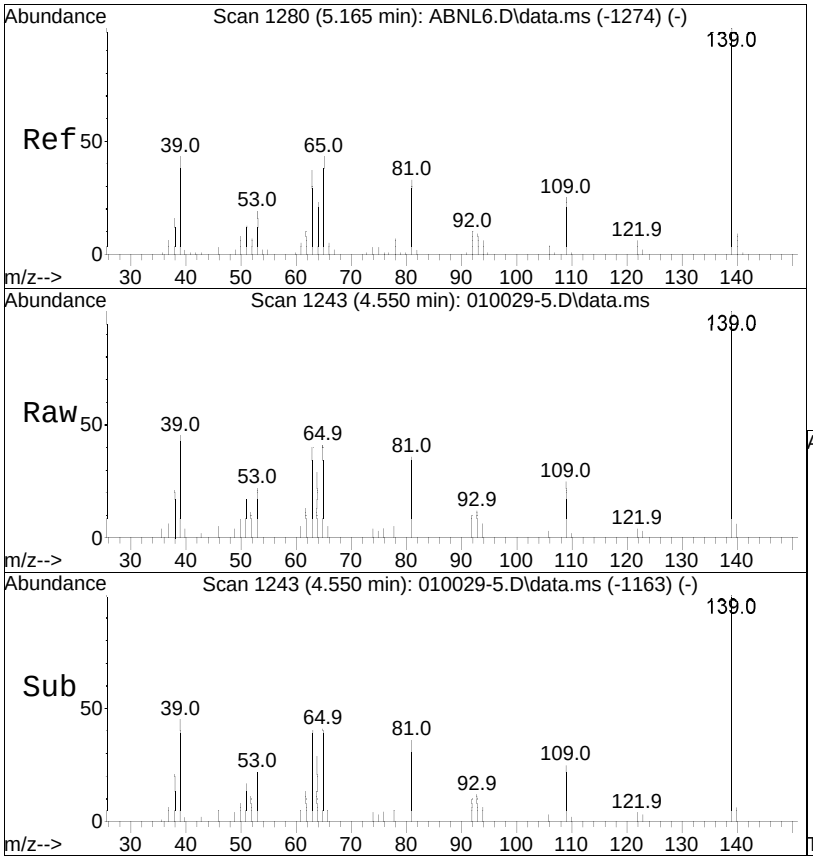


#21
Isophorone
Concen: 1.58 ug/ml
RT: 4.485 min Scan# 1222
Delta R.T. 0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 82 Resp: 22898

Ion	Ratio	Lower	Upper
82	100		
138	14.7	14.7	22.1#
95	6.2	5.2	7.8

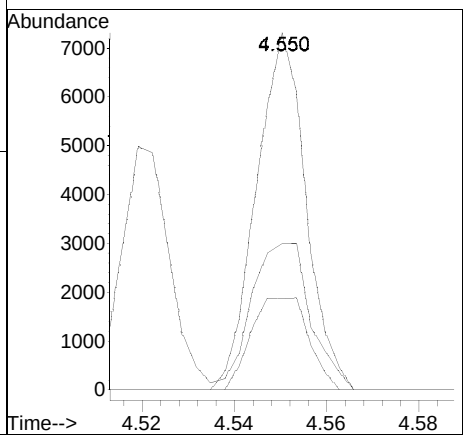


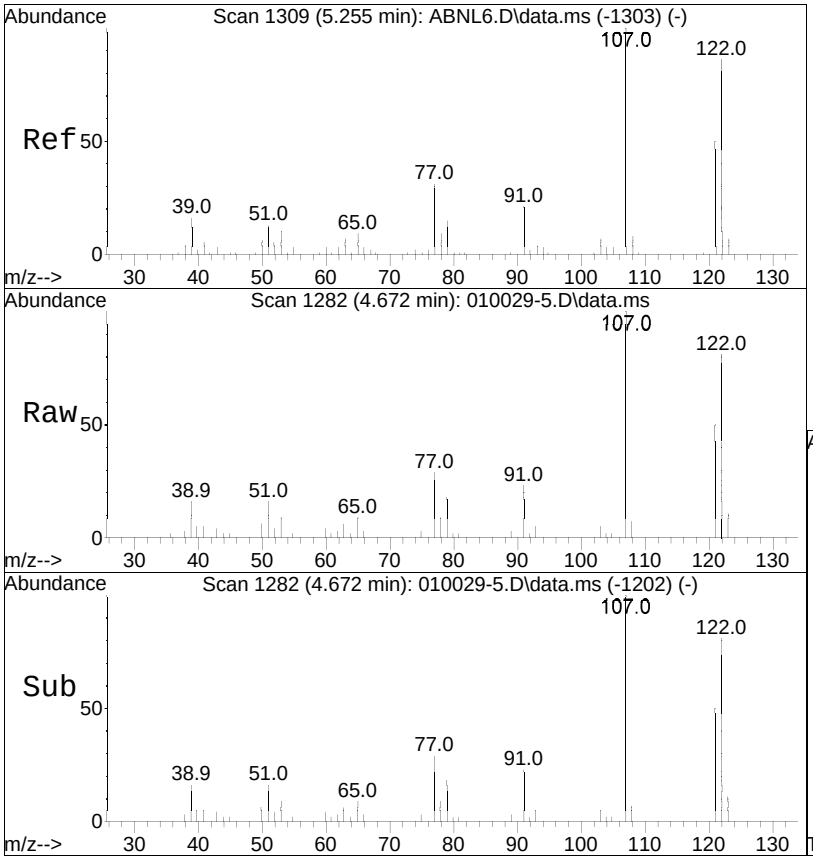


#22
2-Nitrophenol
Concen: 1.37 ug/ml
RT: 4.550 min Scan# 1243
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:139 Resp: 5451

Ion	Ratio	Lower	Upper
139	100		
109	29.9	19.4	29.0#
65	49.0	46.1	69.1

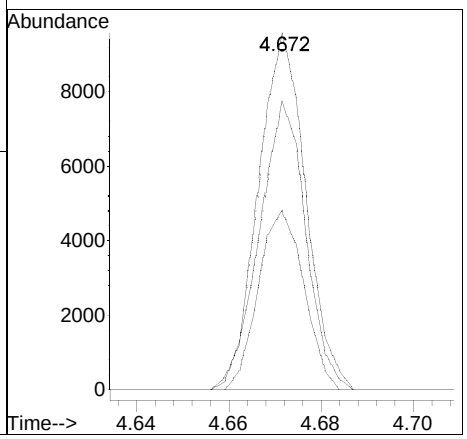


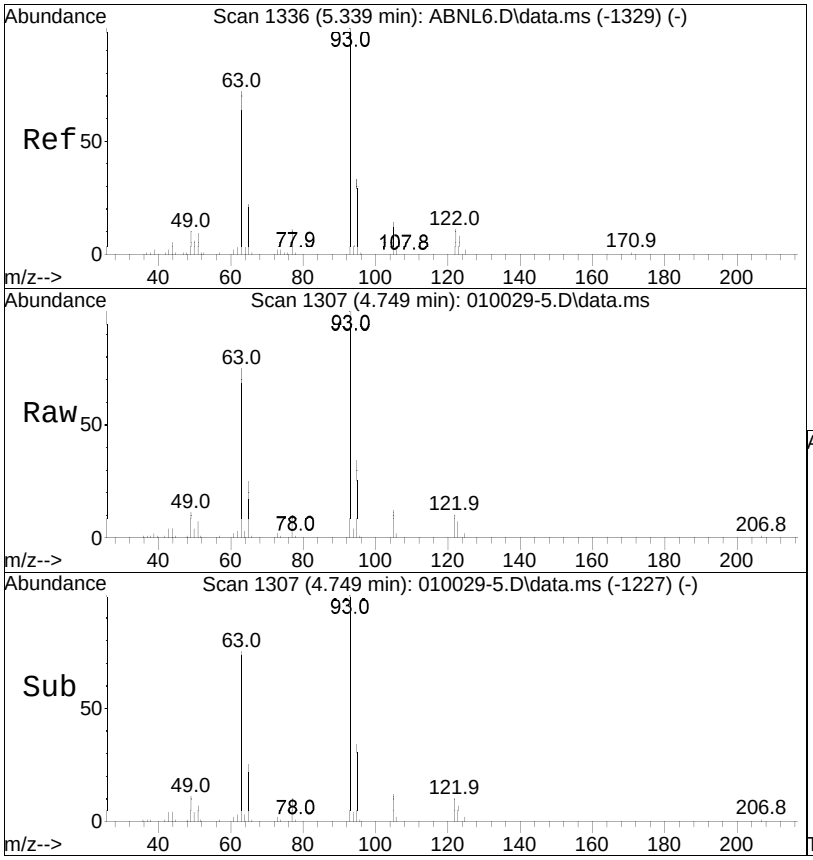


#23
2,4-Dimethylphenol
Concen: 0.96 ug/ml
RT: 4.672 min Scan# 1282
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:107 Resp: 6817

Ion	Ratio	Lower	Upper
107	100		
121	48.3	40.0	60.0
122	79.0	70.2	105.4

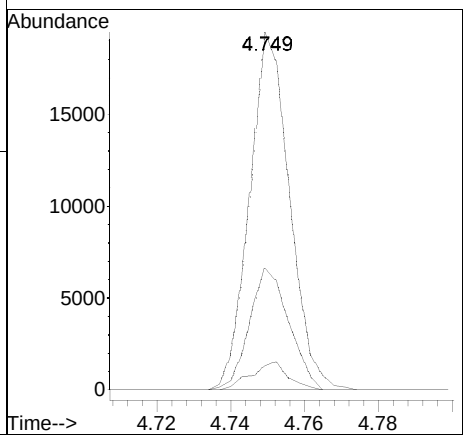


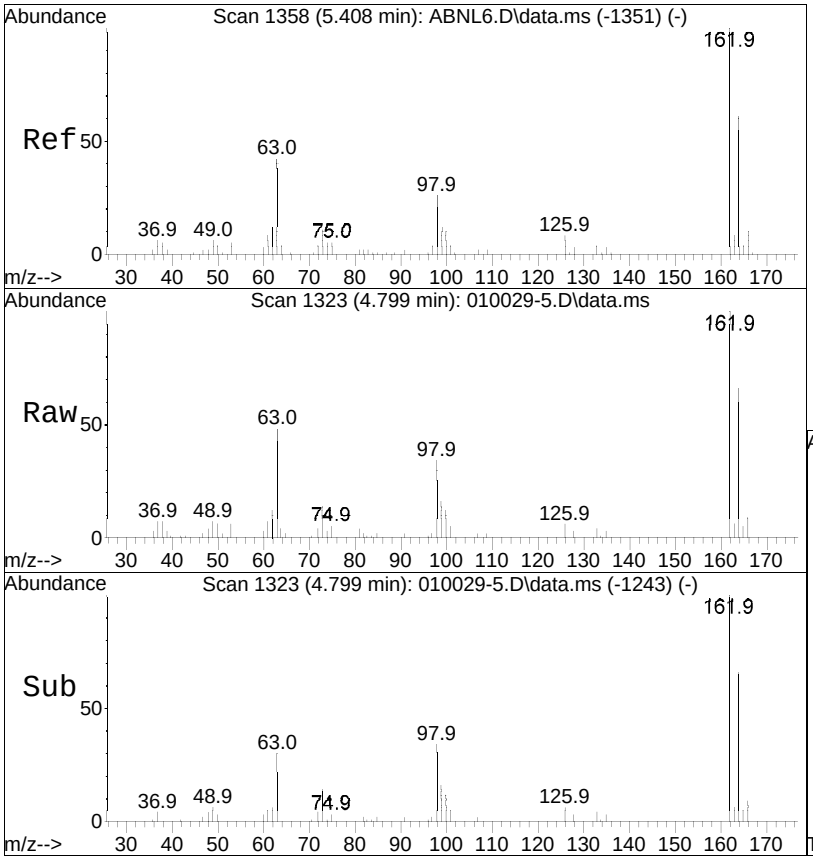


#24
Bis(2-chloroethoxy)methane
Concen: 1.61 ug/ml
RT: 4.749 min Scan# 1307
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 93 Resp: 14518

Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.8	38.8
123	7.3	10.1	15.1#

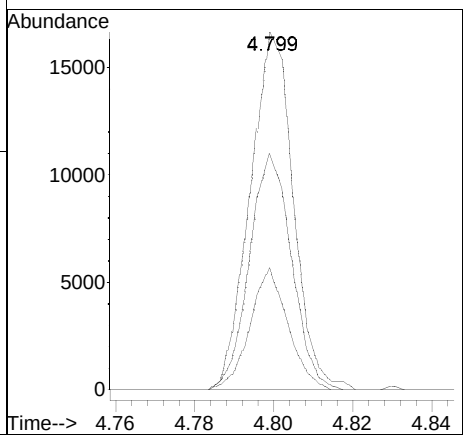


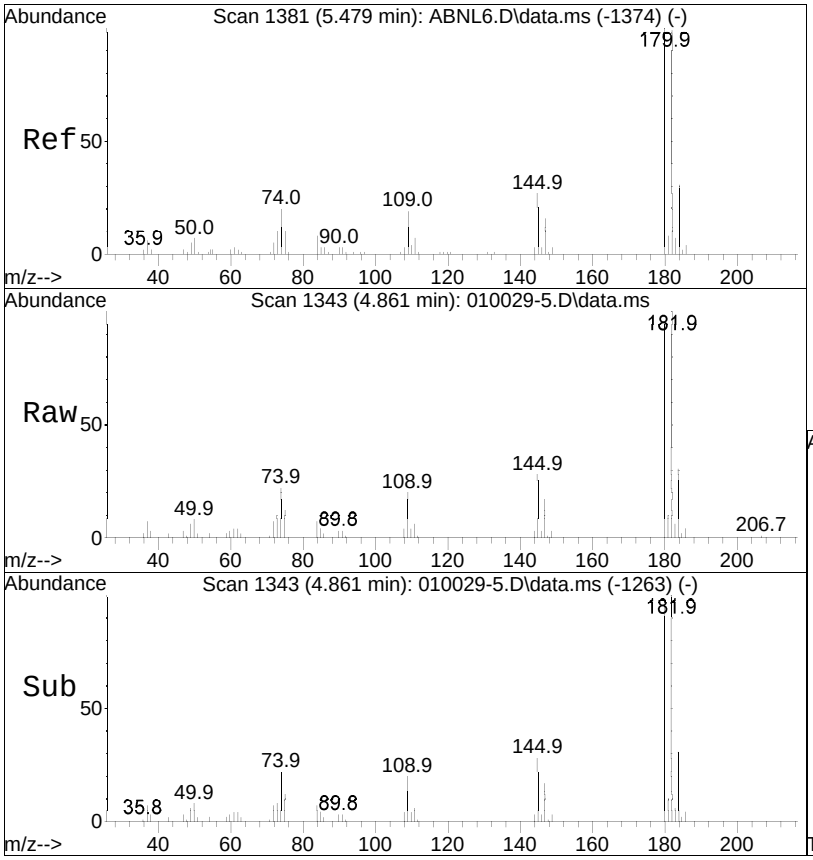


#25
2,4-Dichlorophenol
Concen: 1.51 ug/ml
RT: 4.799 min Scan# 1323
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:162 Resp: 12523

Ion	Ratio	Lower	Upper
162	100		
164	64.4	51.0	76.4
98	30.2	32.2	48.2#

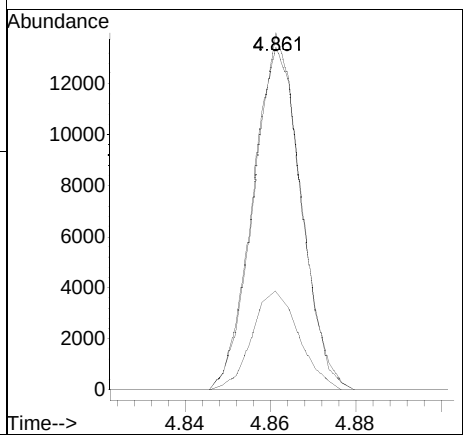


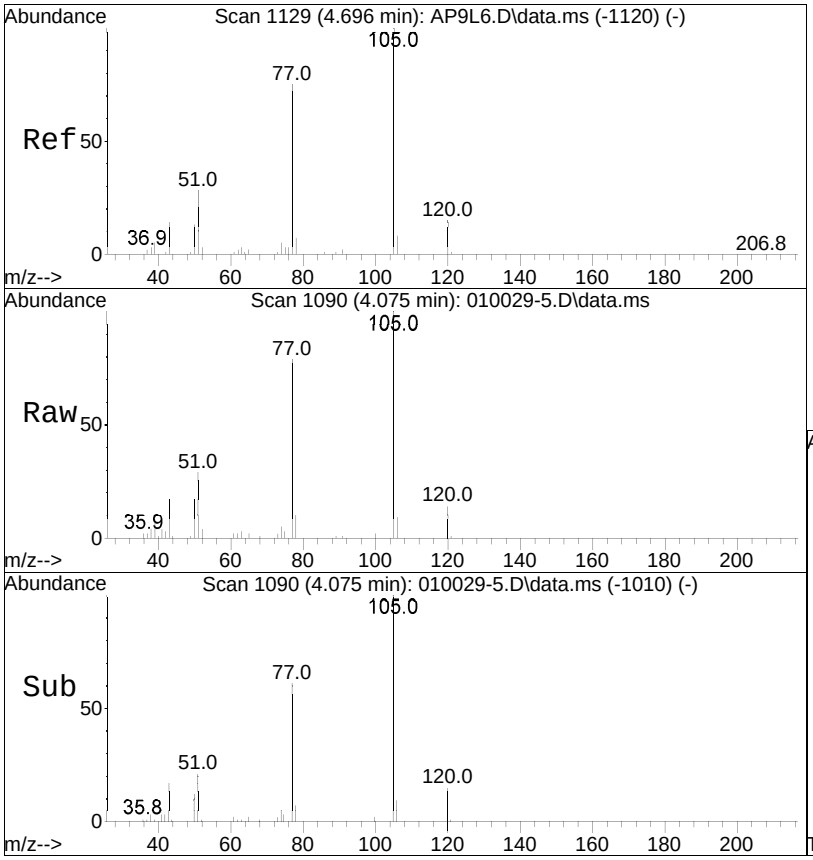


#26
1,2,4-Trichlorobenzene
Concen: 1.06 ug/ml
RT: 4.861 min Scan# 1343
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:180 Resp: 10615

Ion	Ratio	Lower	Upper
180	100		
182	100.1	76.0	114.0
145	27.9	25.7	38.5

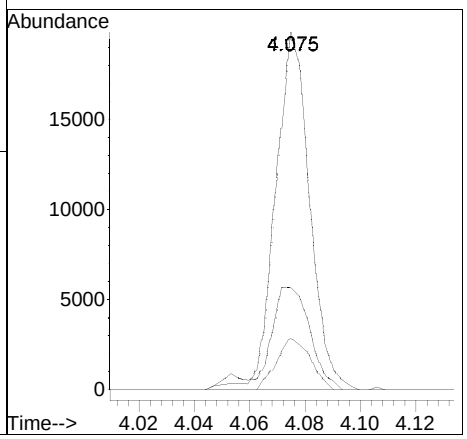


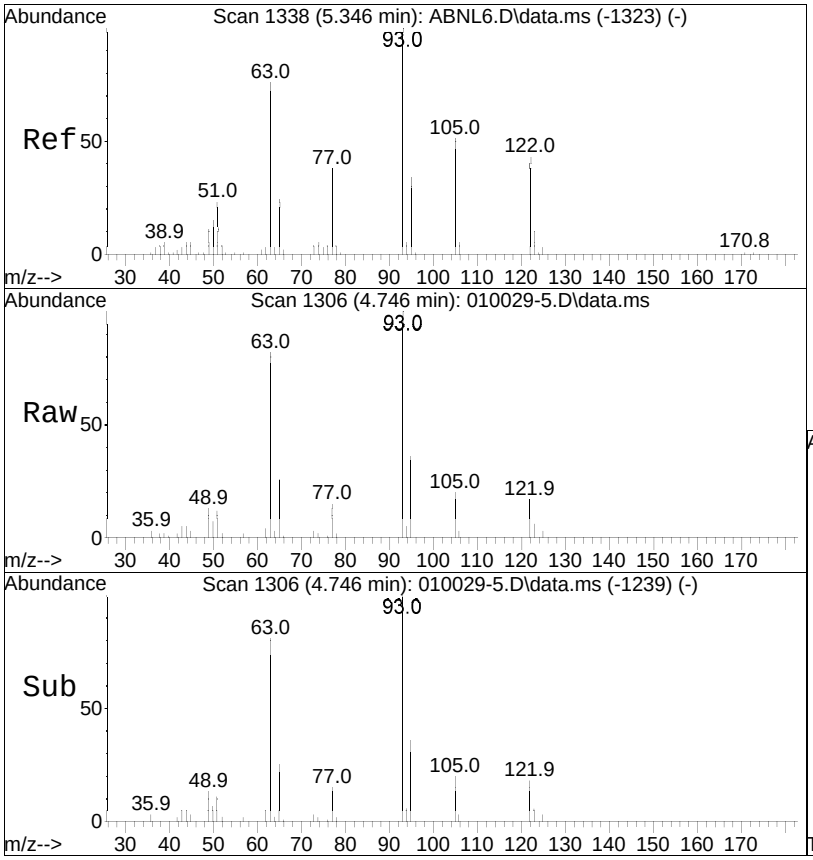


#29
Acetophenone
Concen: 1.86 ug/ml
RT: 4.075 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:105 Resp: 16854

Ion	Ratio	Lower	Upper
105	100		
120	14.3	20.5	30.7#
51	32.0	34.9	52.3#

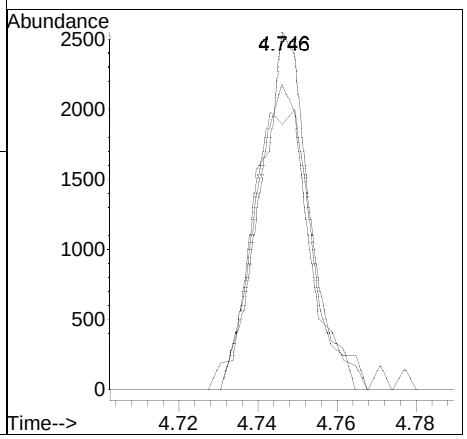


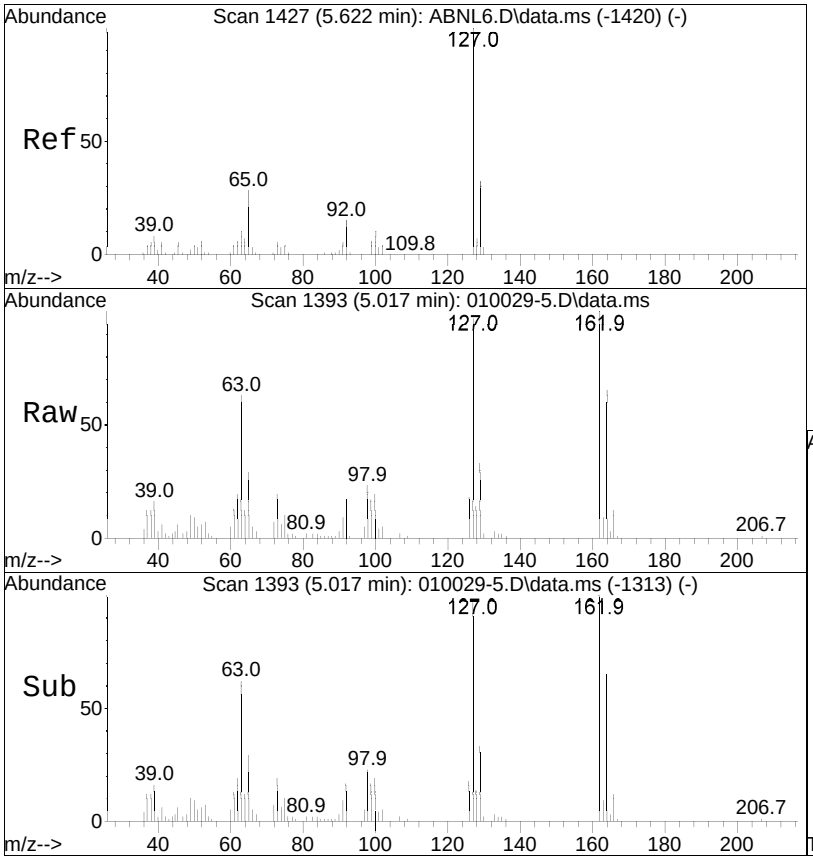


#39
Benzoic Acid
Concen: 0.41 ug/ml
RT: 4.746 min Scan# 1306
Delta R.T. -0.040 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:105 Resp: 2277

Ion	Ratio	Lower	Upper
105	100		
122	89.1	59.9	89.9
77	90.8	60.1	90.1#

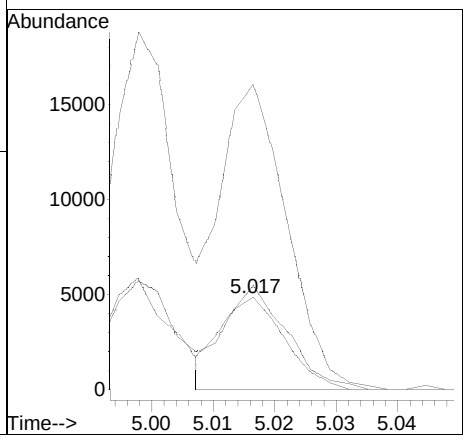


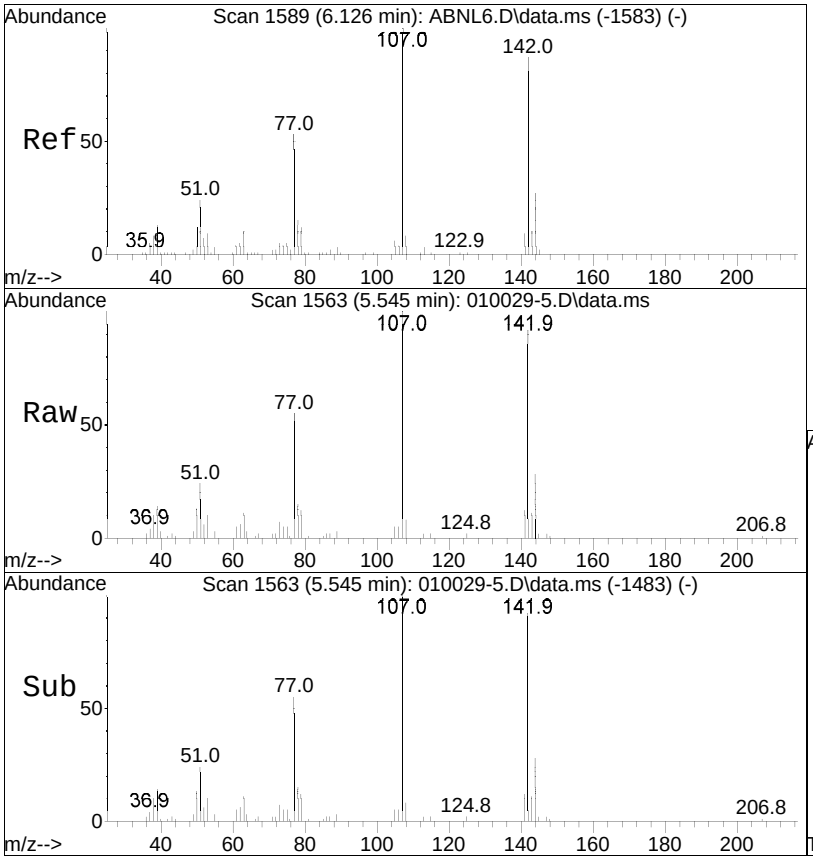


#40
4-Chloroaniline
Concen: 1.19 ug/ml
RT: 5.017 min Scan# 1393
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 65 Resp: 3531

Ion	Ratio	Lower	Upper
65	100		
127	342.1	237.6	356.4
129	109.4	76.3	114.5

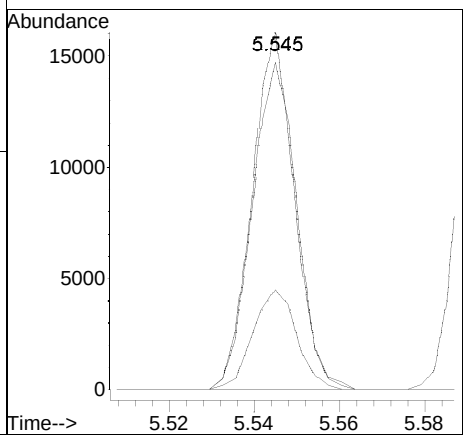


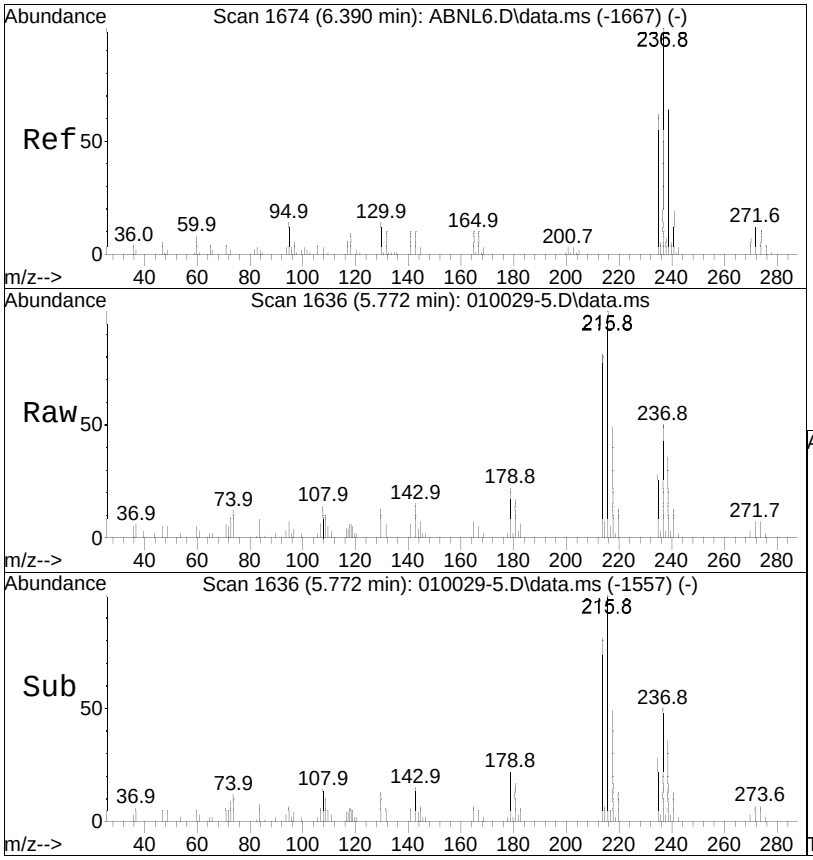


#42
p-Chloro-m-cresol
Concen: 1.55 ug/ml
RT: 5.545 min Scan# 1563
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:107 Resp: 11075

Ion	Ratio	Lower	Upper
107	100		
144	28.8	20.9	31.3
142	96.0	66.1	99.1

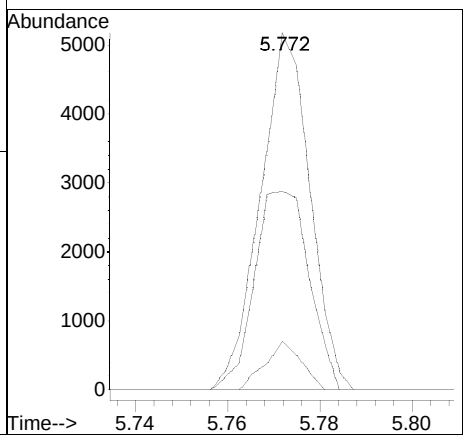


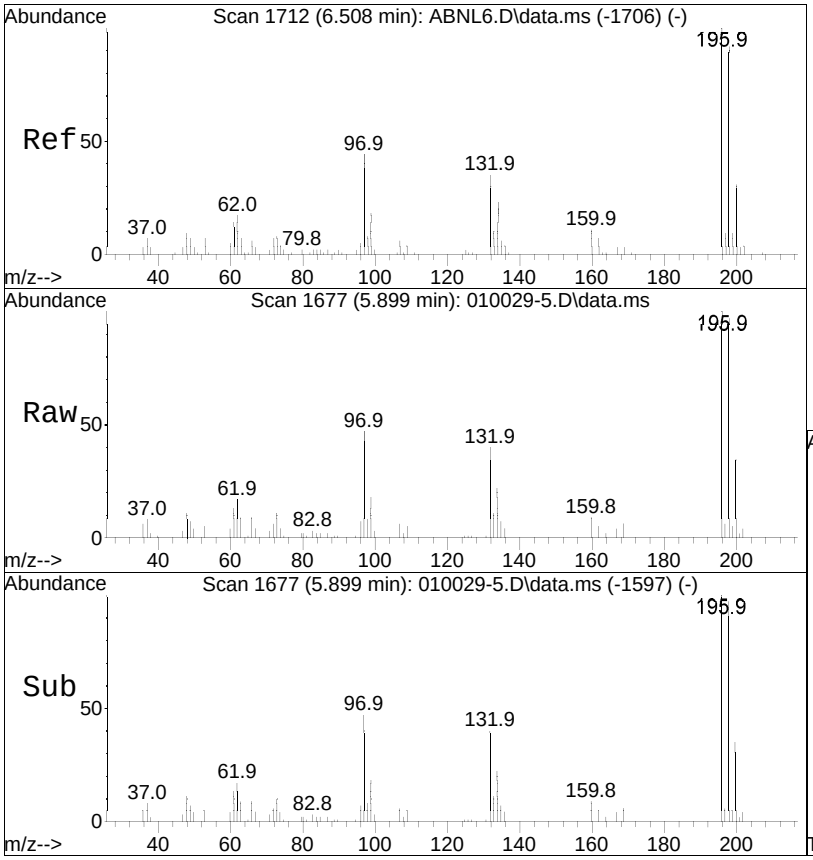


#45
Hexachlorocyclopentadiene
Concen: 0.58 ug/ml
RT: 5.772 min Scan# 1636
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:237 Resp: 3855

Ion	Ratio	Lower	Upper
237	100		
235	61.4	49.7	74.5
272	0.0	9.8	14.6#

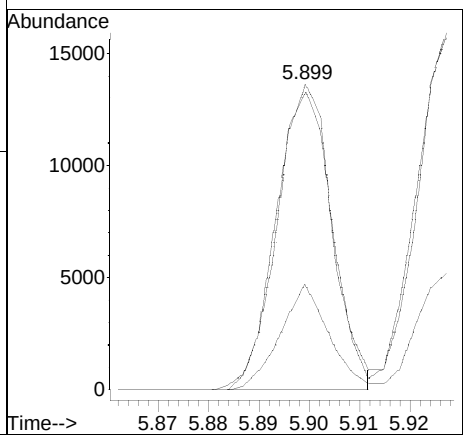


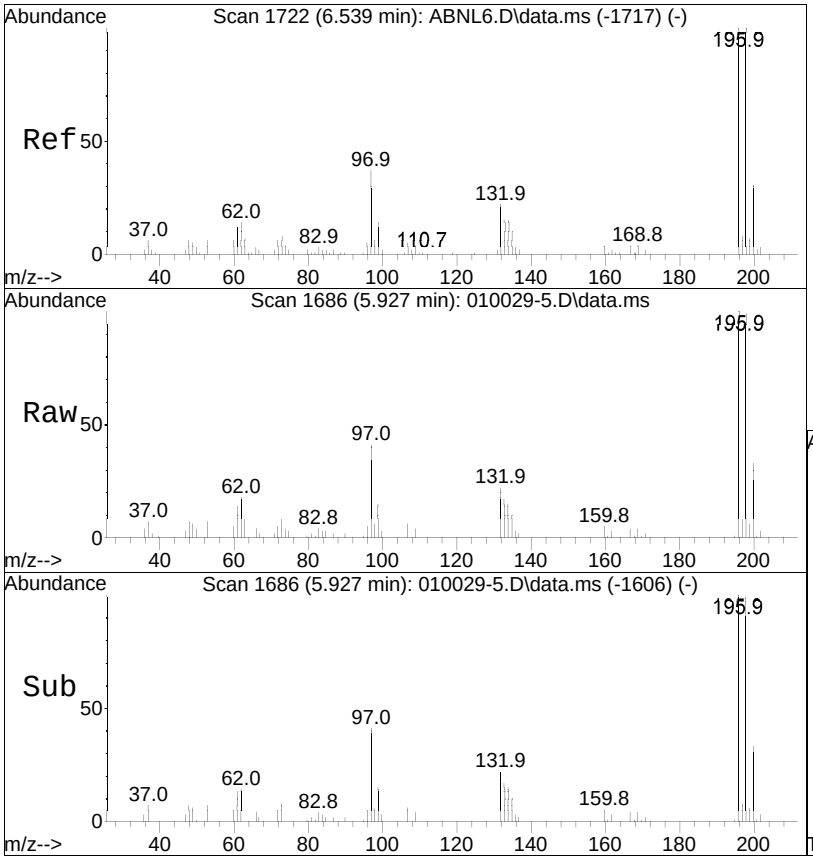


#46
2,4,6-Trichlorophenol
Concen: 1.49 ug/ml
RT: 5.899 min Scan# 1677
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:196 Resp: 10488

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.5	116.3
200	30.8	23.8	35.6

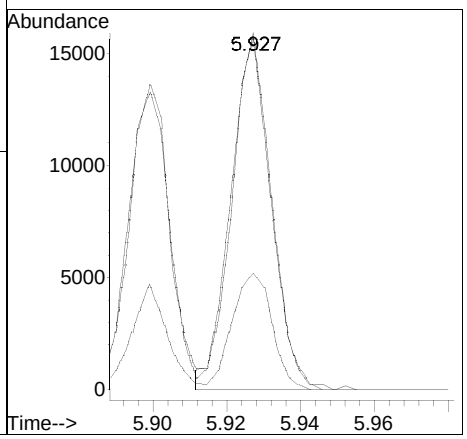


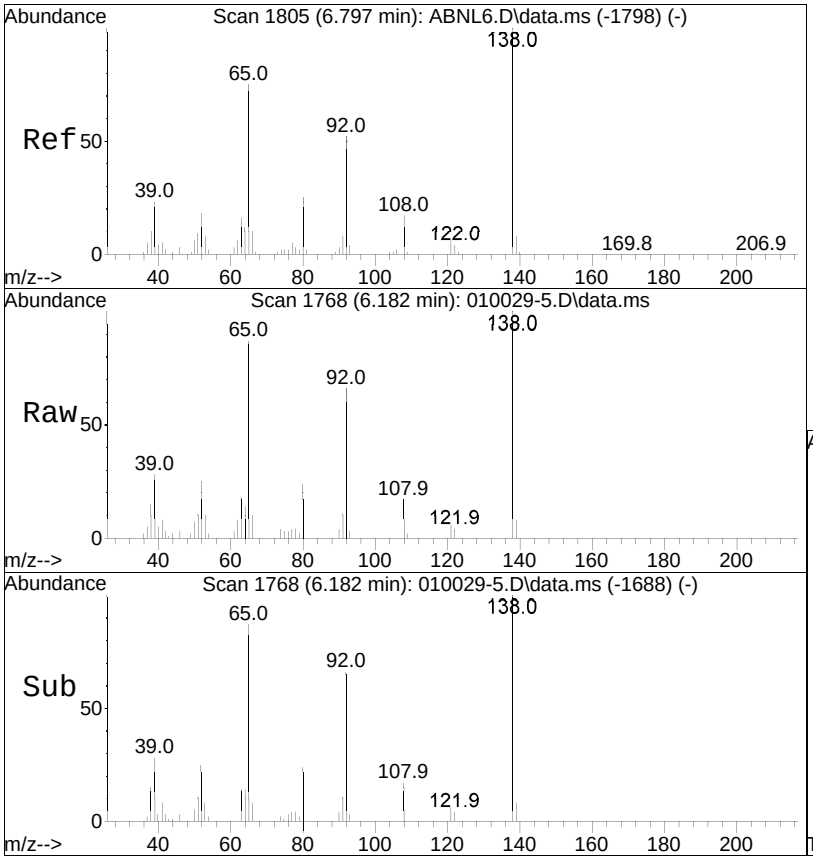


#47
2,4,5-Trichlorophenol
Concen: 1.52 ug/ml
RT: 5.927 min Scan# 1686
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:196 Resp: 12026

Ion	Ratio	Lower	Upper
196	100		
200	32.3	25.4	38.0
198	95.8	78.0	117.0

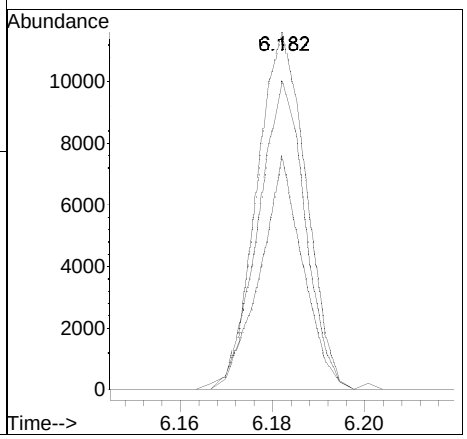


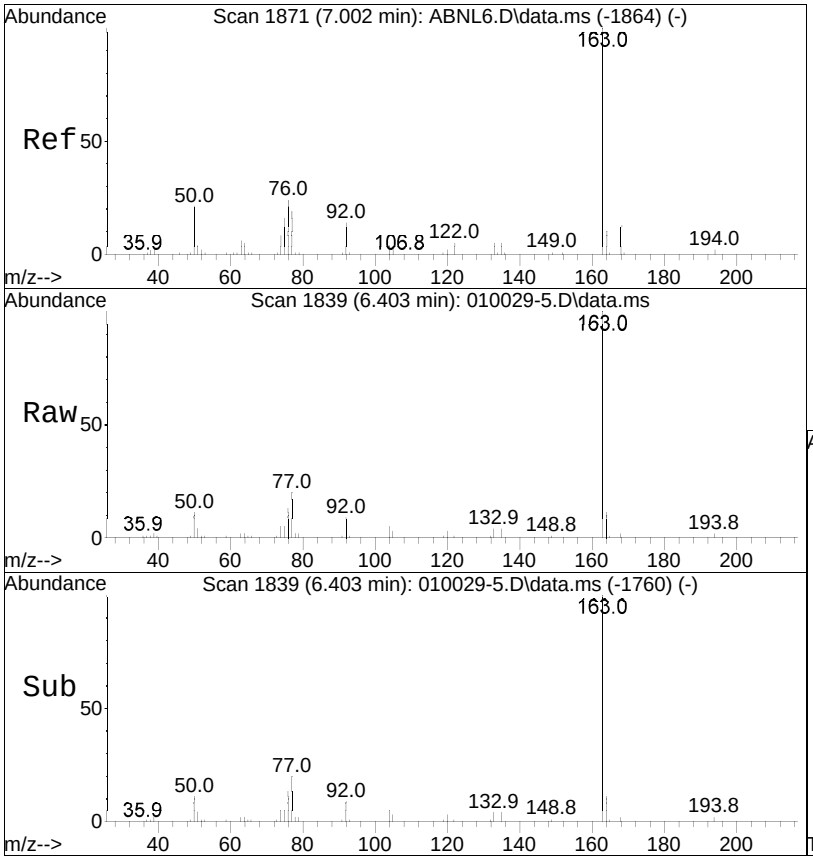


#50
2-Nitroaniline
Concen: 1.59 ug/ml
RT: 6.182 min Scan# 1768
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:138 Resp: 8515

Ion	Ratio	Lower	Upper
138	100		
92	57.4	53.5	80.3
65	83.6	86.3	129.5#

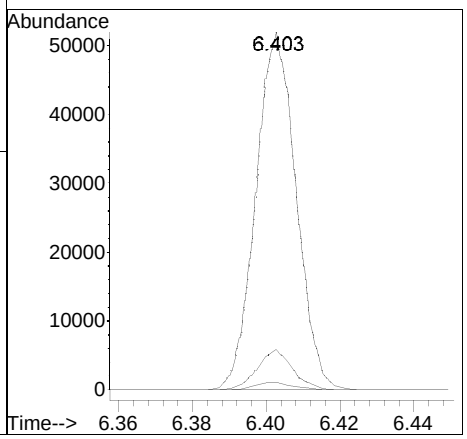


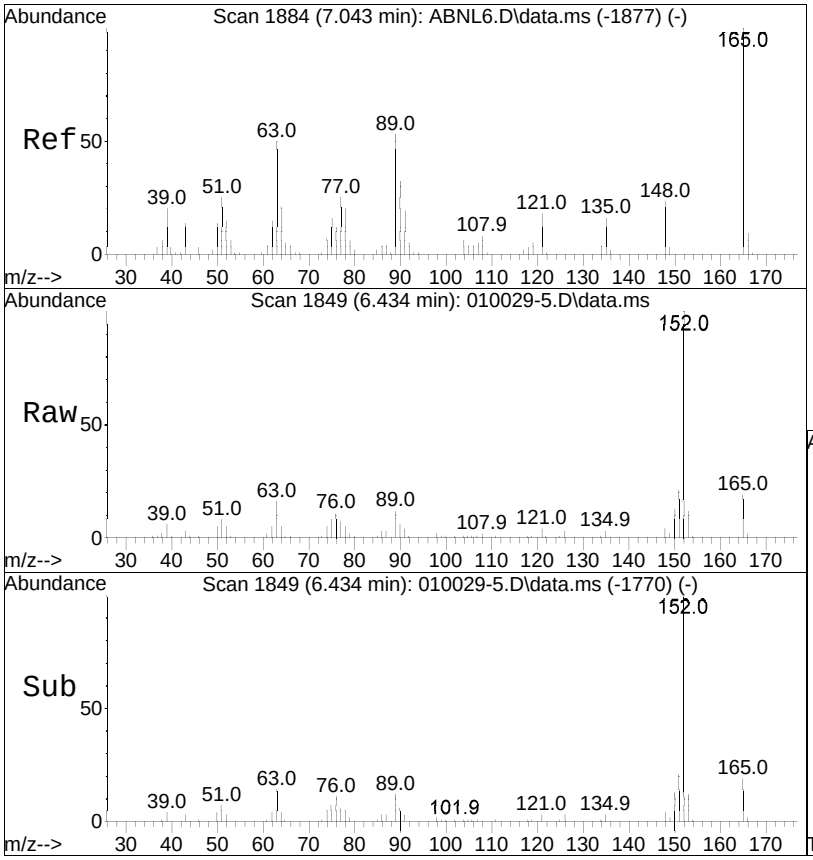


#53
Dimethyl phthalate
Concen: 1.60 ug/ml
RT: 6.403 min Scan# 1839
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:163 Resp: 39009

Ion	Ratio	Lower	Upper
163	100		
194	2.0	3.5	5.3#
164	9.9	7.9	11.9

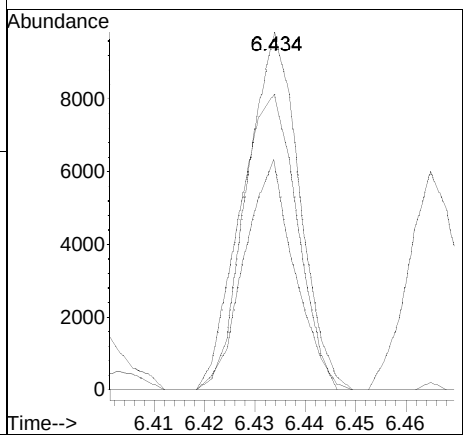


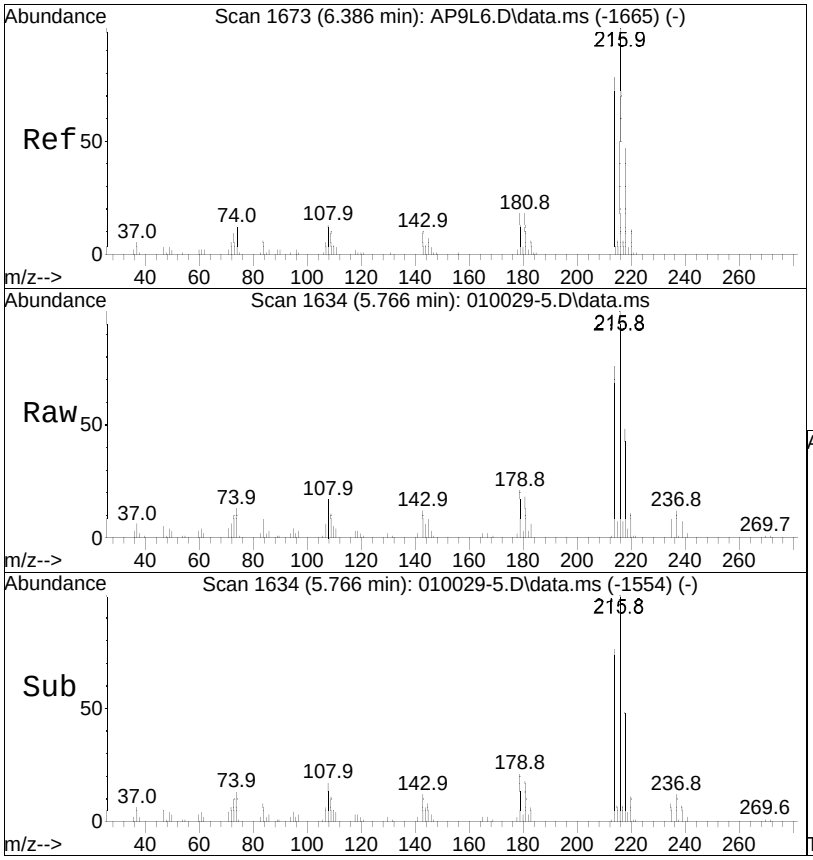


#55
2,6-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 6.434 min Scan# 1849
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:165 Resp: 7086

Ion	Ratio	Lower	Upper
165	100		
89	62.1	54.2	81.2
63	91.8	64.2	96.2

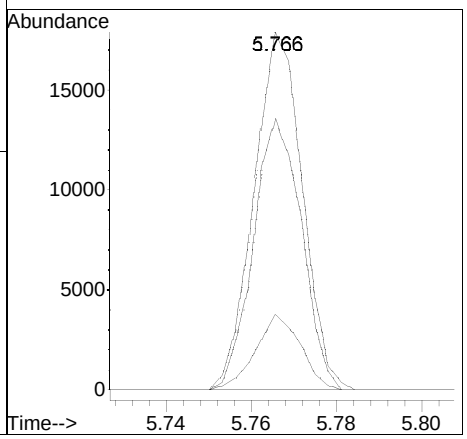


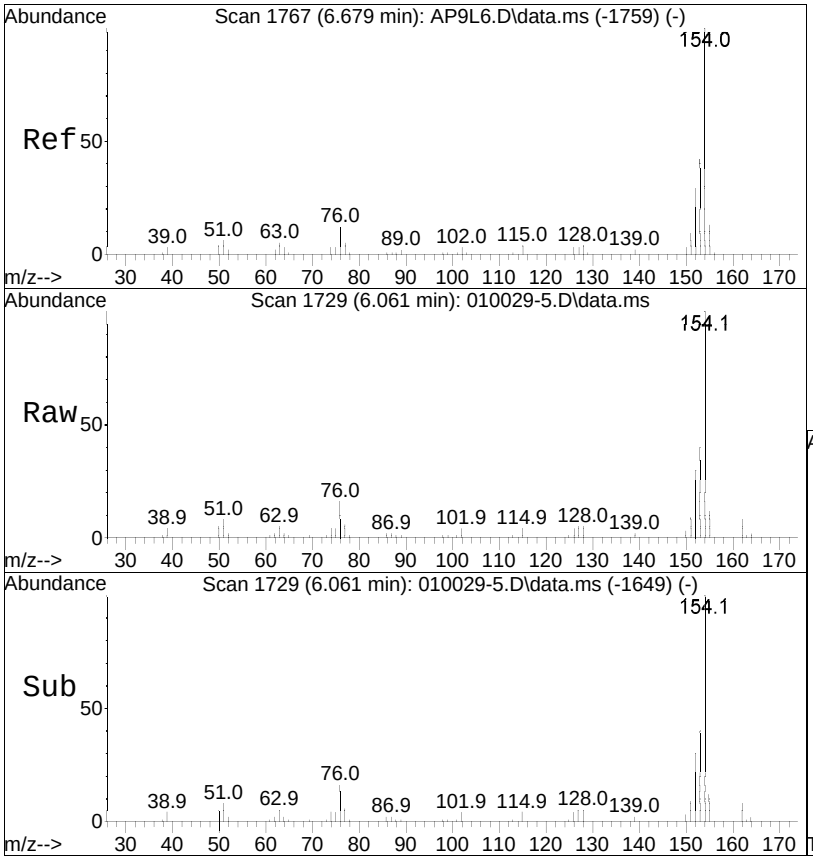


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.38 ug/ml
RT: 5.766 min Scan# 1634
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:216 Resp: 14040

Ion	Ratio	Lower	Upper
216	100		
214	75.3	63.7	95.5
179	19.6	19.0	28.6

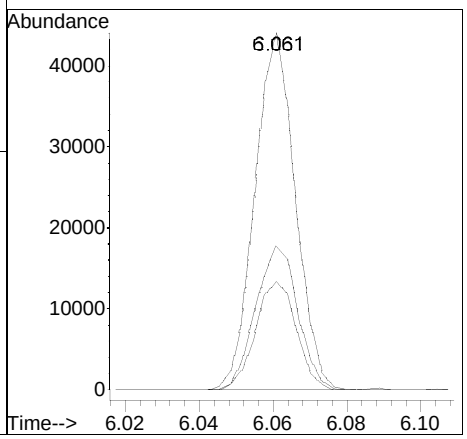


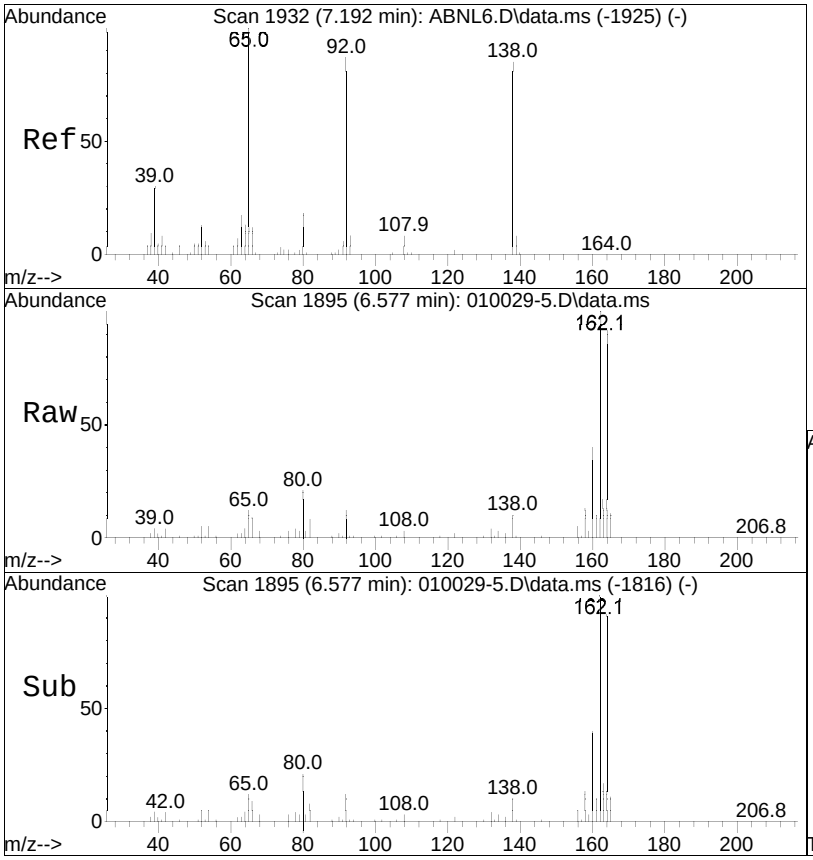


#64
Biphenyl
Concen: 1.61 ug/ml
RT: 6.061 min Scan# 1729
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:154 Resp: 33265

Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.3	48.5
152	30.9	22.5	33.7

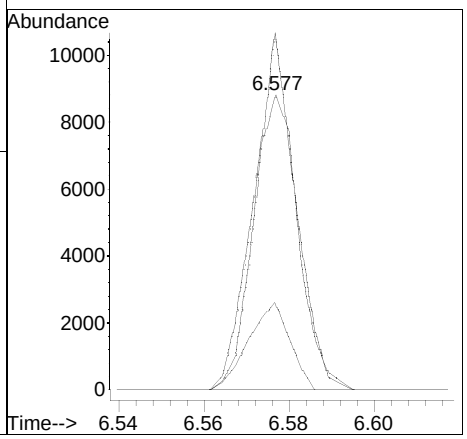


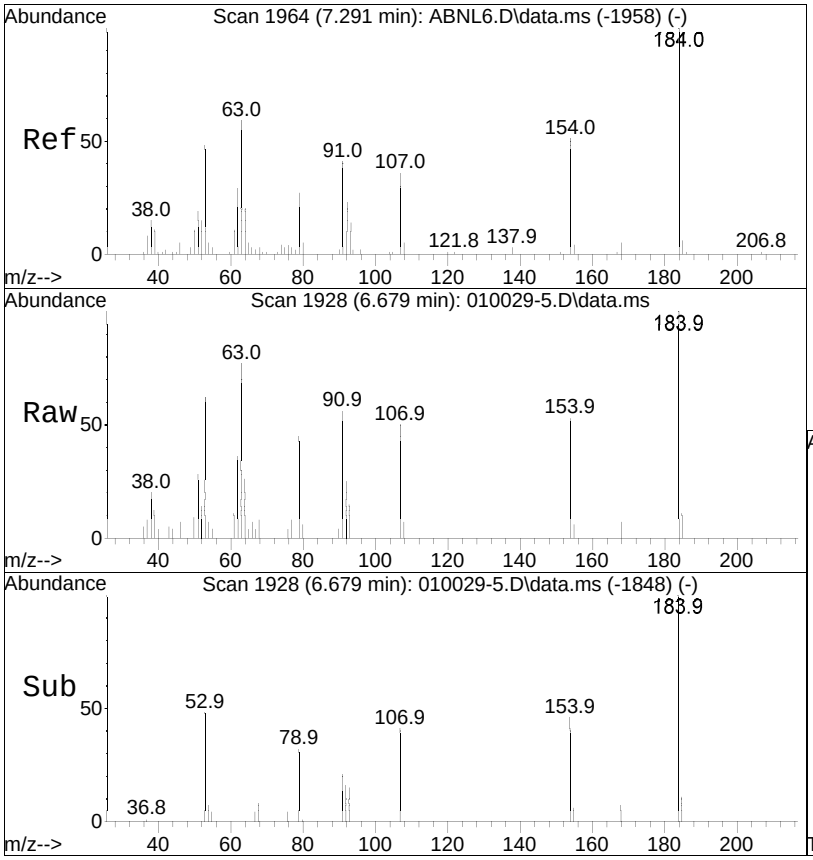


#66
3-Nitroaniline
Concen: 1.29 ug/ml
RT: 6.577 min Scan# 1895
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:138 Resp: 6443

Ion	Ratio	Lower	Upper
138	100		
92	112.3	93.4	140.2
108	27.3	9.5	14.3#

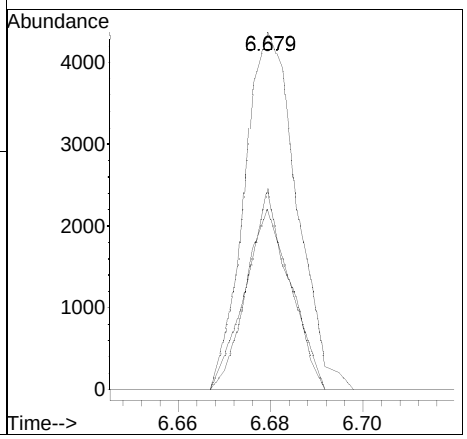


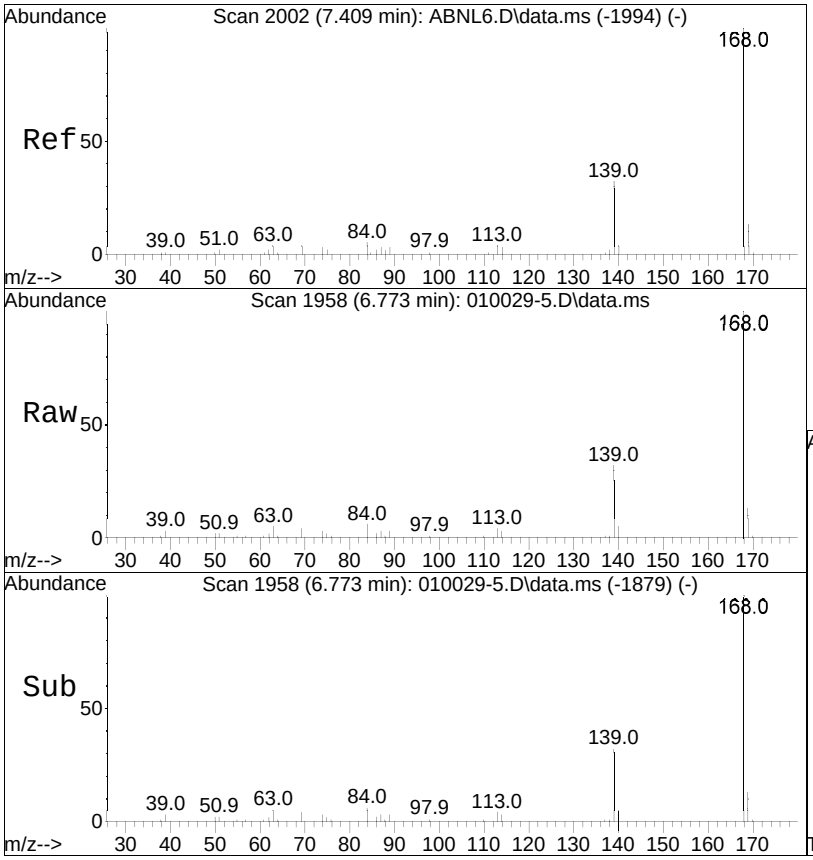


#68
2,4-Dinitrophenol
Concen: 1.12 ug/ml
RT: 6.679 min Scan# 1928
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:184 Resp: 3417

Ion	Ratio	Lower	Upper
184	100		
107	44.2	37.7	56.5
91	45.9	46.3	69.5#

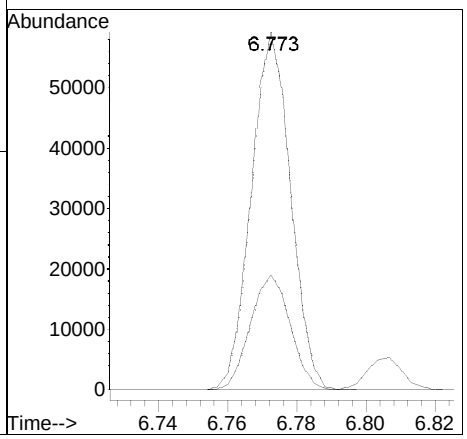


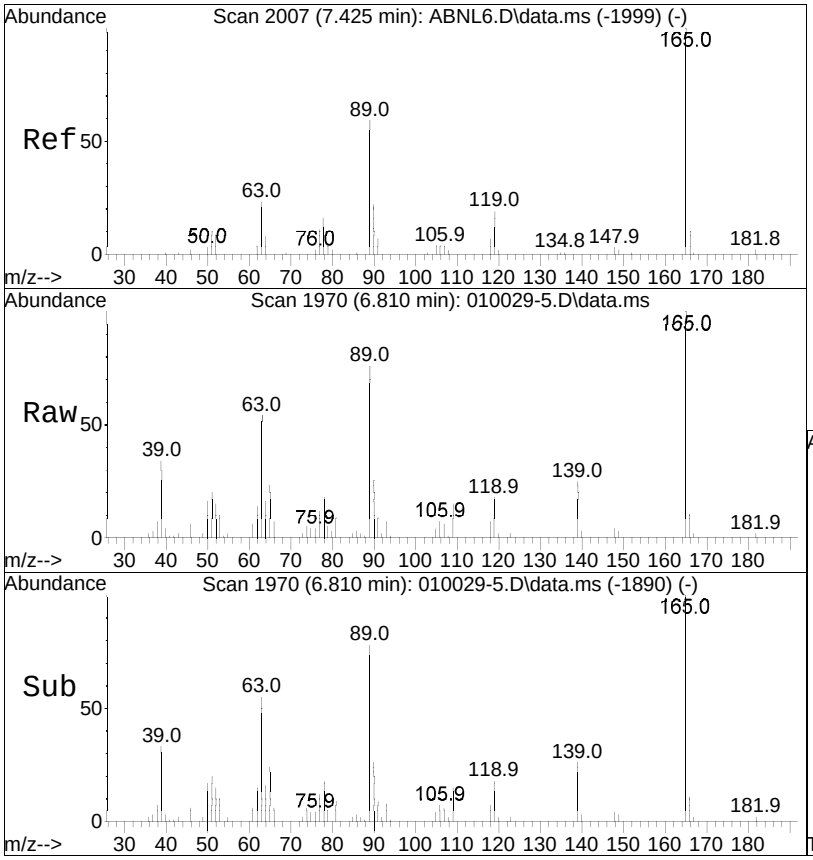


#69
Dibenzofuran
Concen: 1.42 ug/ml
RT: 6.773 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:168 Resp: 46187

Ion	Ratio	Lower	Upper
168	100		
139	32.8	31.4	47.2

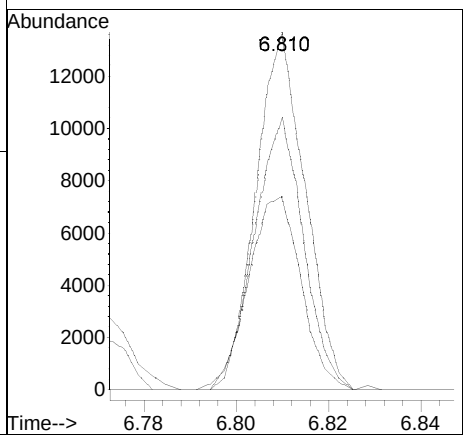


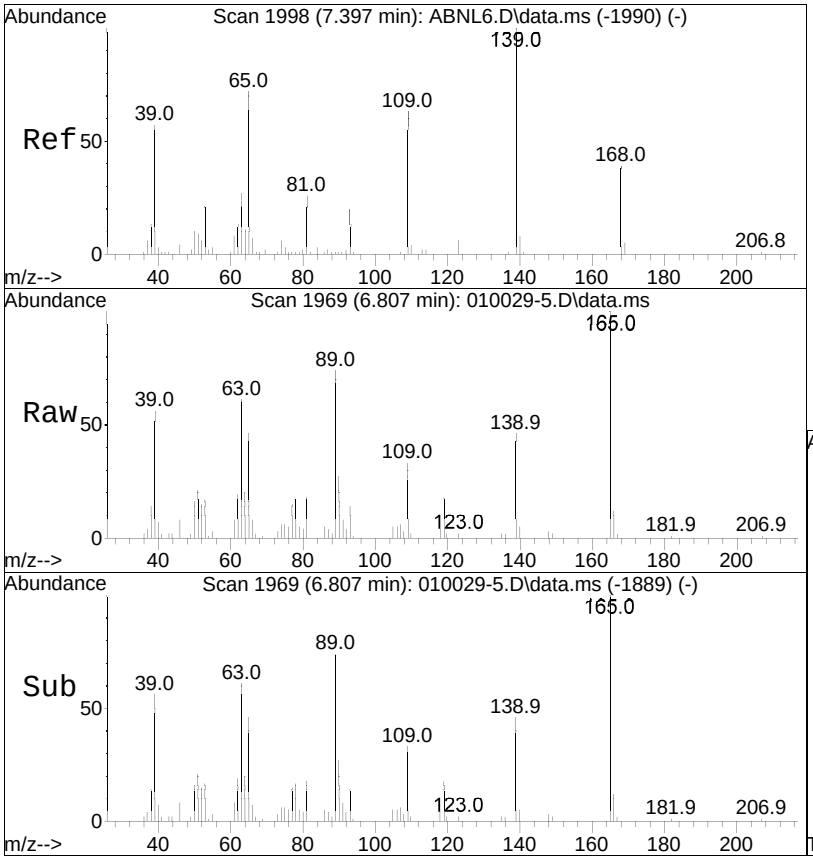


#70
2,4-Dinitrotoluene
Concen: 1.61 ug/ml
RT: 6.810 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:165 Resp: 10104

Ion	Ratio	Lower	Upper
165	100		
89	76.3	72.0	108.0
63	58.3	52.7	79.1

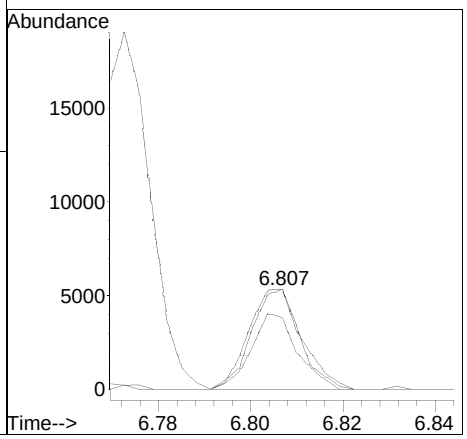


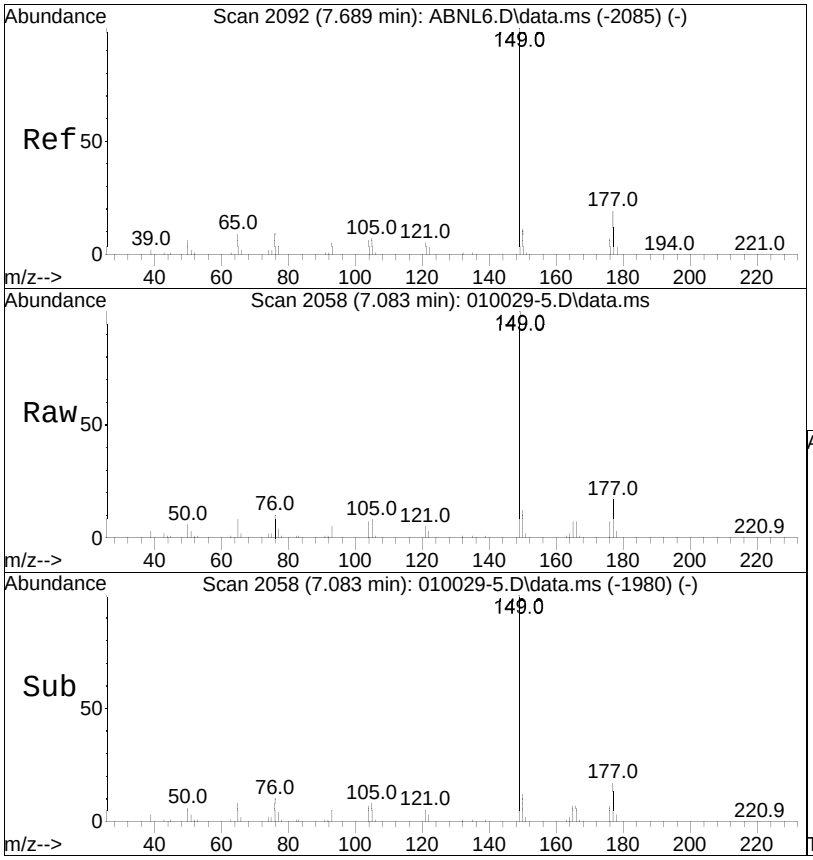


#71
4-Nitrophenol
Concen: 1.14 ug/ml
RT: 6.807 min Scan# 1969
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion: 65 Resp: 4270

Ion	Ratio	Lower	Upper
65	100		
109	66.4	47.4	71.2
139	91.6	76.6	115.0

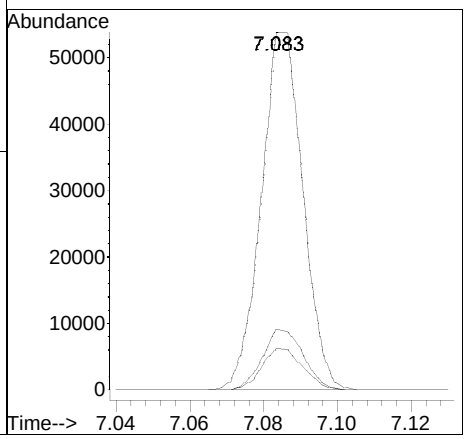


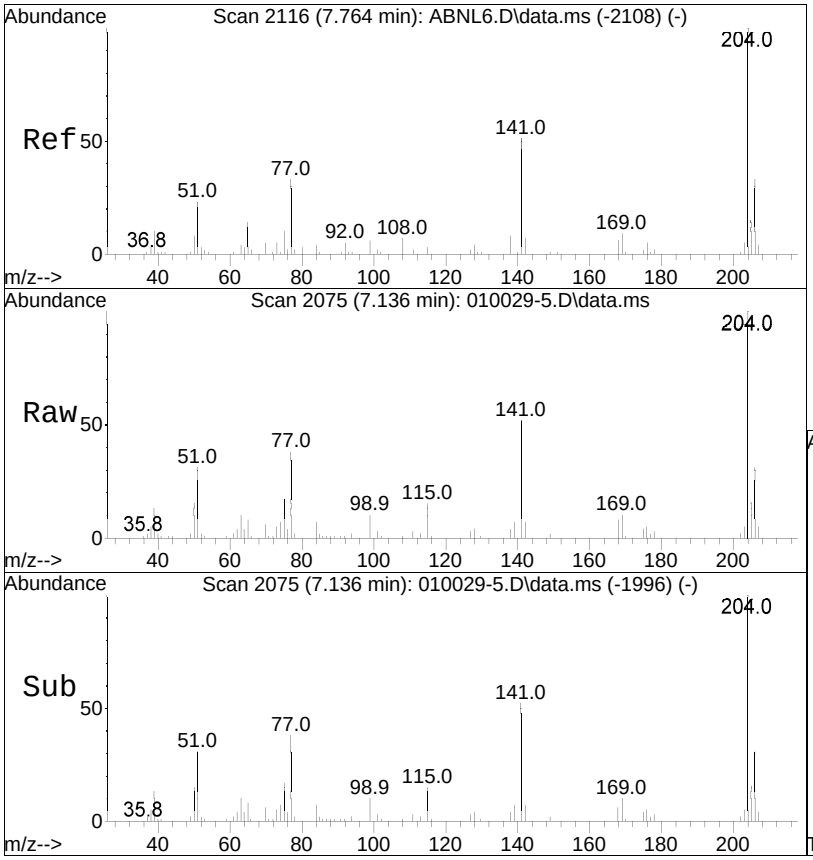


#74
Diethyl phthalate
Concen: 1.64 ug/ml
RT: 7.083 min Scan# 2058
Delta R.T. -0.006 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:149 Resp: 41774

Ion	Ratio	Lower	Upper
149	100		
177	16.8	16.1	24.1
150	11.6	9.4	14.2

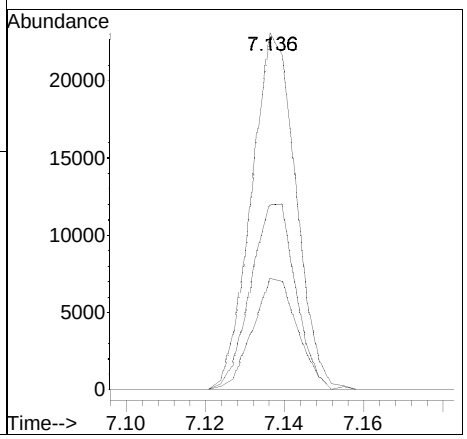


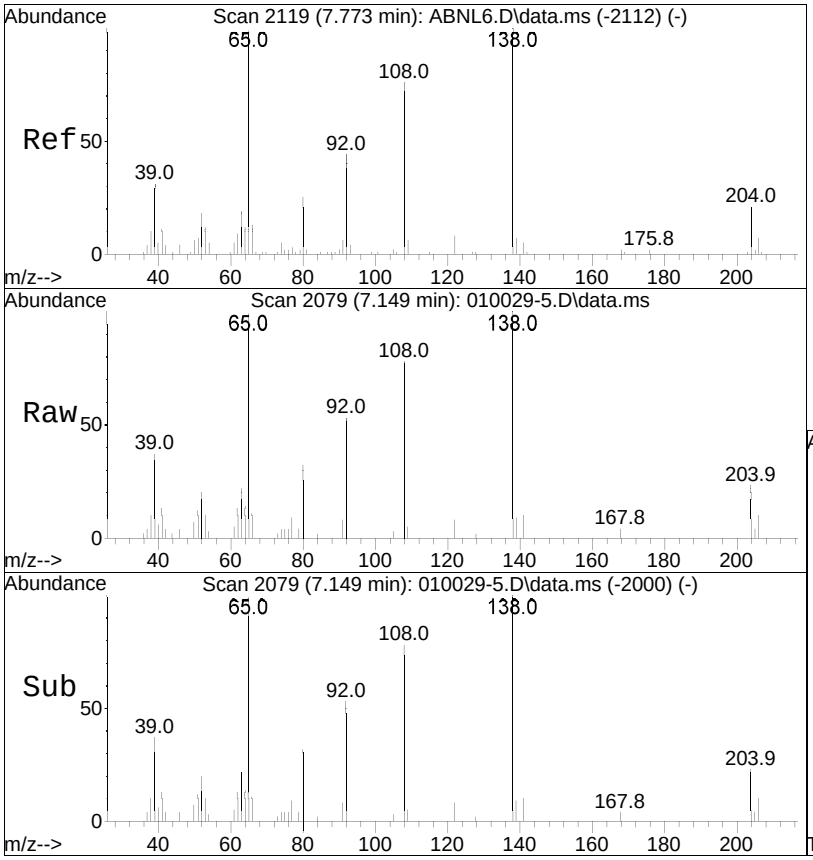


#76
4-Chlorophenyl phenyl ether
Concen: 1.40 ug/ml
RT: 7.136 min Scan# 2075
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:204 Resp: 17938

Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.8	38.6
141	52.6	53.6	80.4#

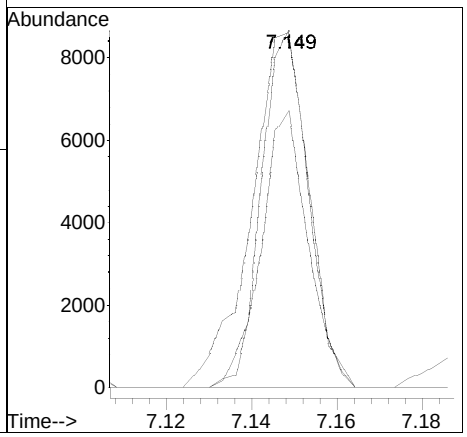


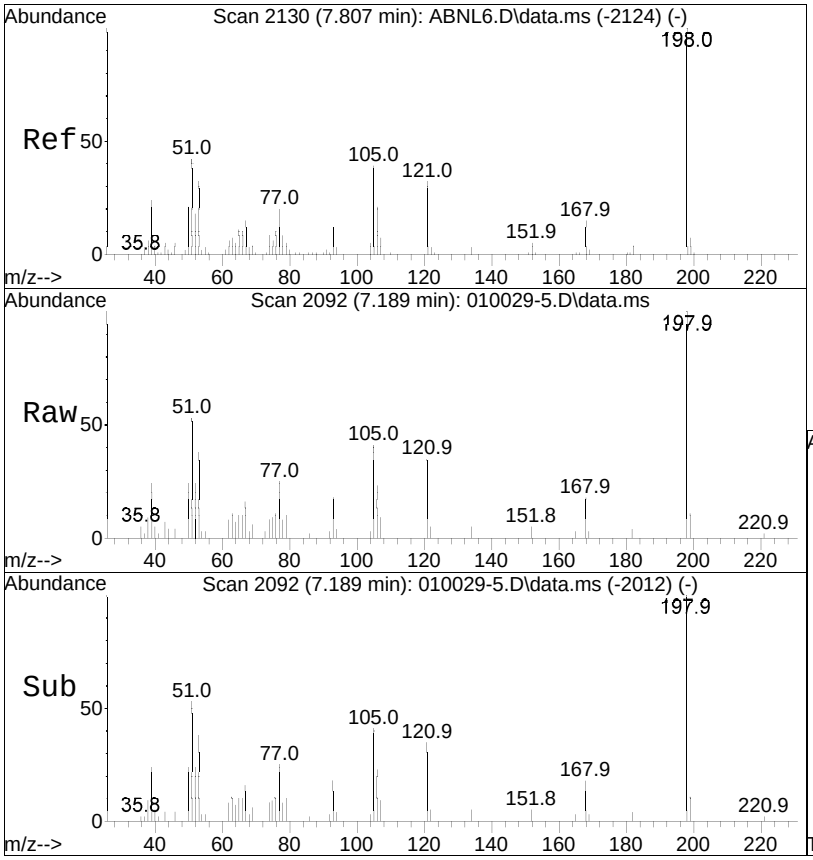


#77
4-Nitroaniline
Concen: 1.37 ug/ml
RT: 7.149 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:138 Resp: 6635

Ion	Ratio	Lower	Upper
138	100		
108	75.8	52.1	78.1
65	121.1	115.0	172.6

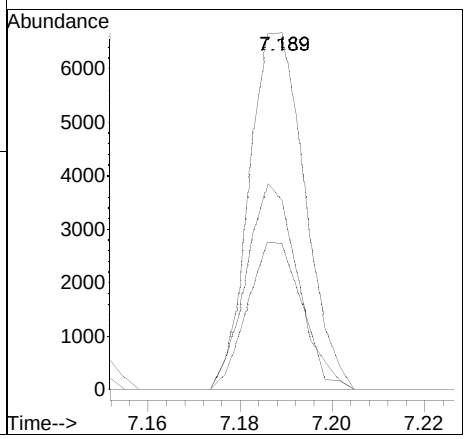


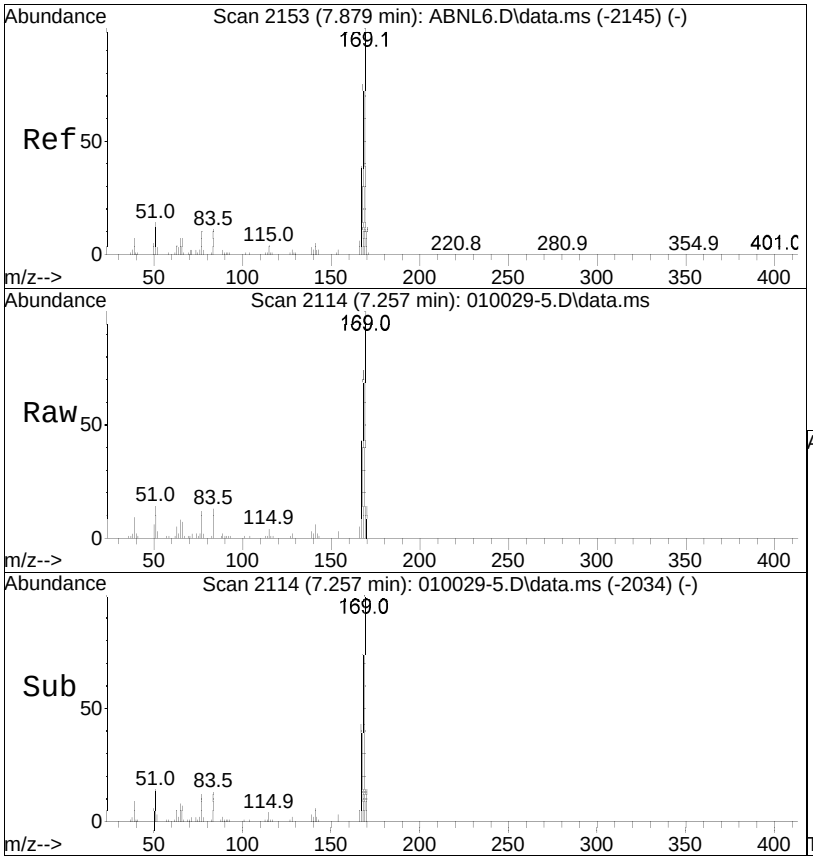


#78
4,6-Dinitro-o-cresol
Concen: 1.47 ug/ml
RT: 7.189 min Scan# 2092
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:198 Resp: 5567

Ion	Ratio	Lower	Upper
198	100		
51	53.9	76.0	114.0#
105	40.5	45.6	68.4#

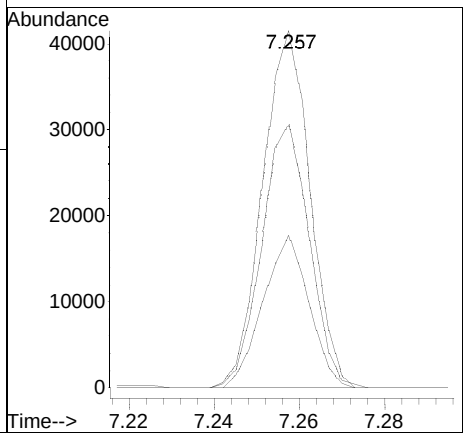


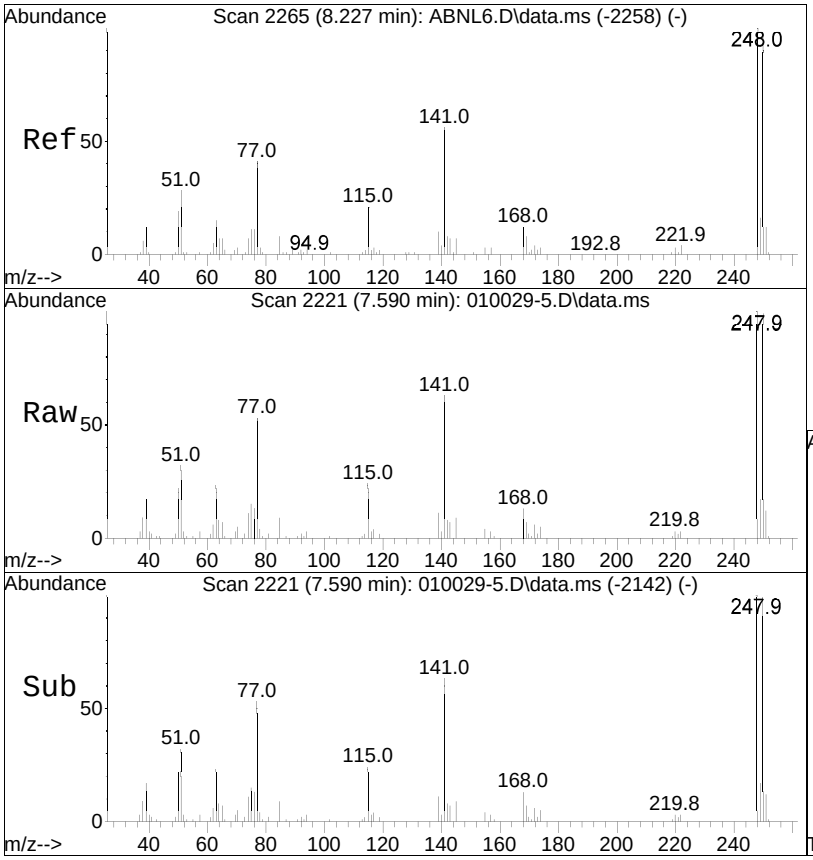


#79
NDPA/DPA
Concen: 1.48 ug/ml
RT: 7.257 min Scan# 2114
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:169 Resp: 32090

Ion	Ratio	Lower	Upper
169	100		
168	74.1	54.0	81.0
167	41.4	28.6	42.8

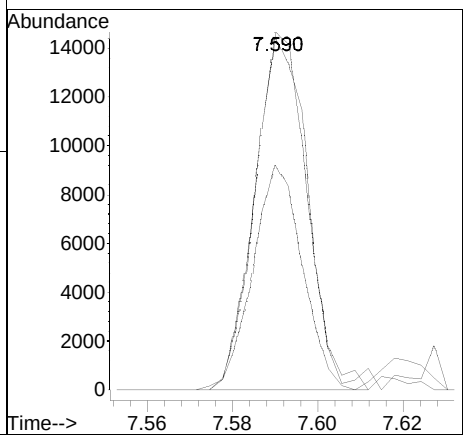


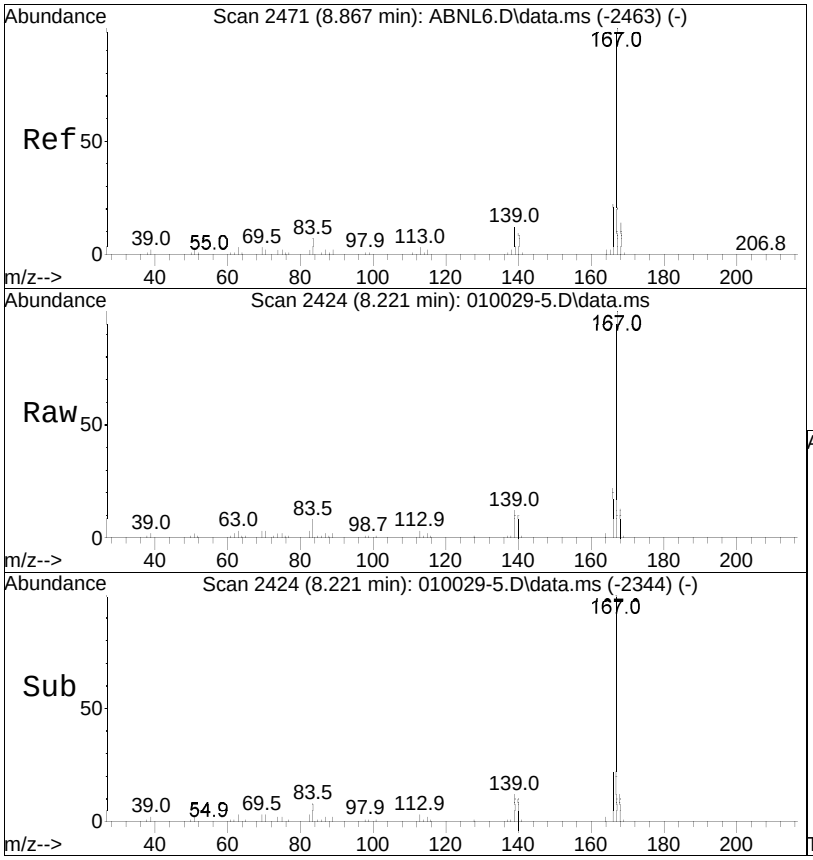


#82
4-Bromophenyl phenyl ether
Concen: 1.47 ug/ml
RT: 7.590 min Scan# 2221
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:248 Resp: 12426

Ion	Ratio	Lower	Upper
248	100		
141	59.8	76.6	114.8#
250	98.6	77.3	115.9

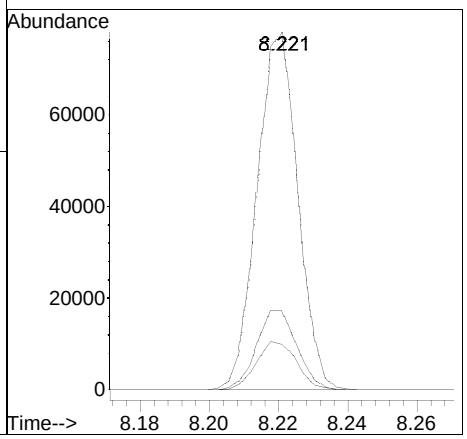


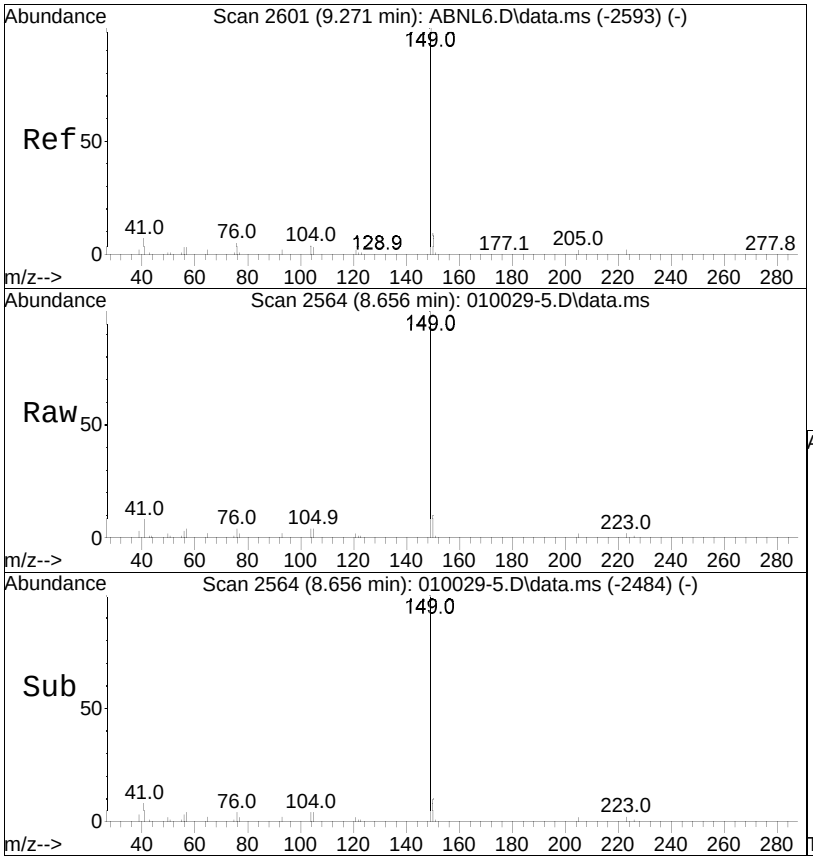


#93
Carbazole
Concen: 1.65 ug/ml
RT: 8.221 min Scan# 2424
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:167 Resp: 63256

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.1	17.4	26.0

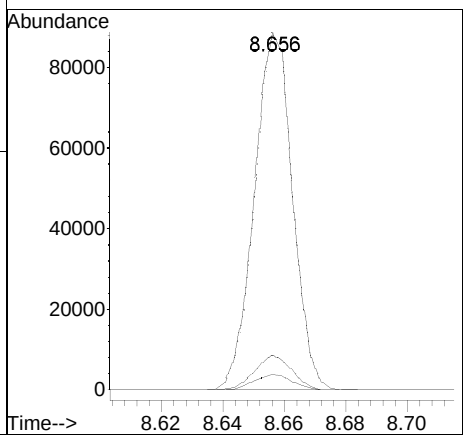


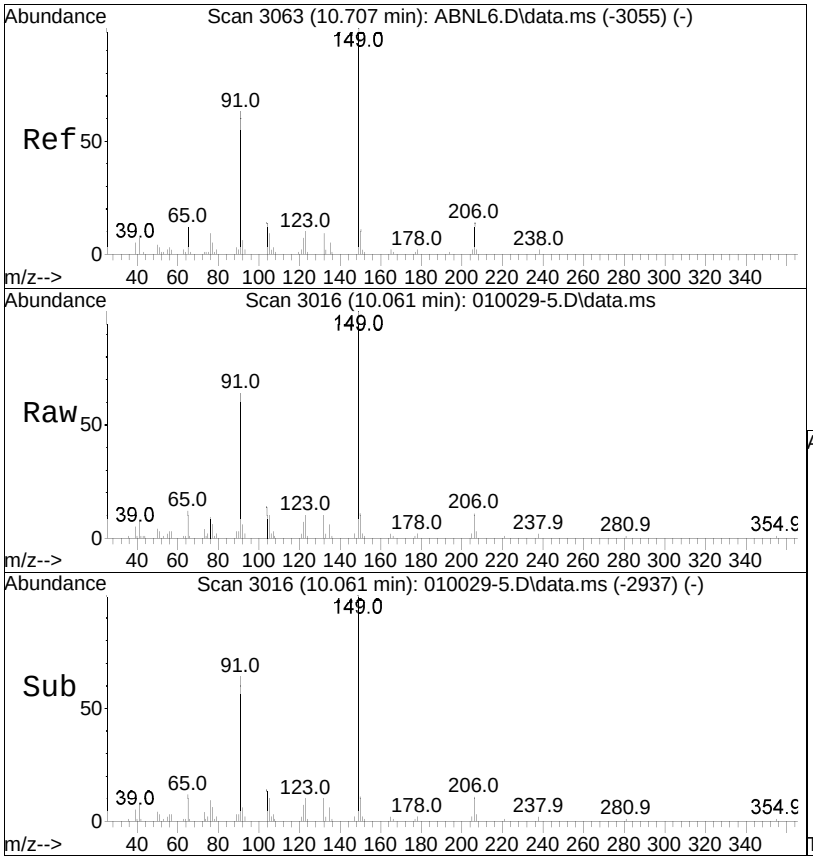


#94
Di-n-butylphthalate
Concen: 1.74 ug/ml
RT: 8.656 min Scan# 2564
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:149 Resp: 75583

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	4.3	4.5	6.7#

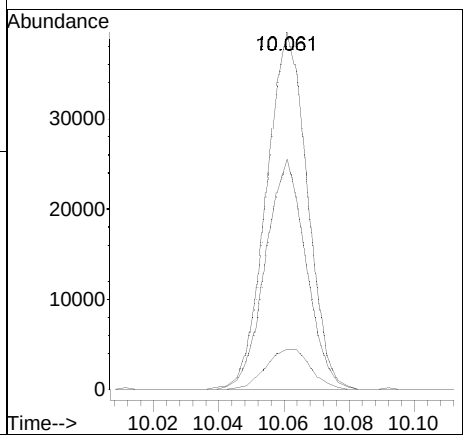


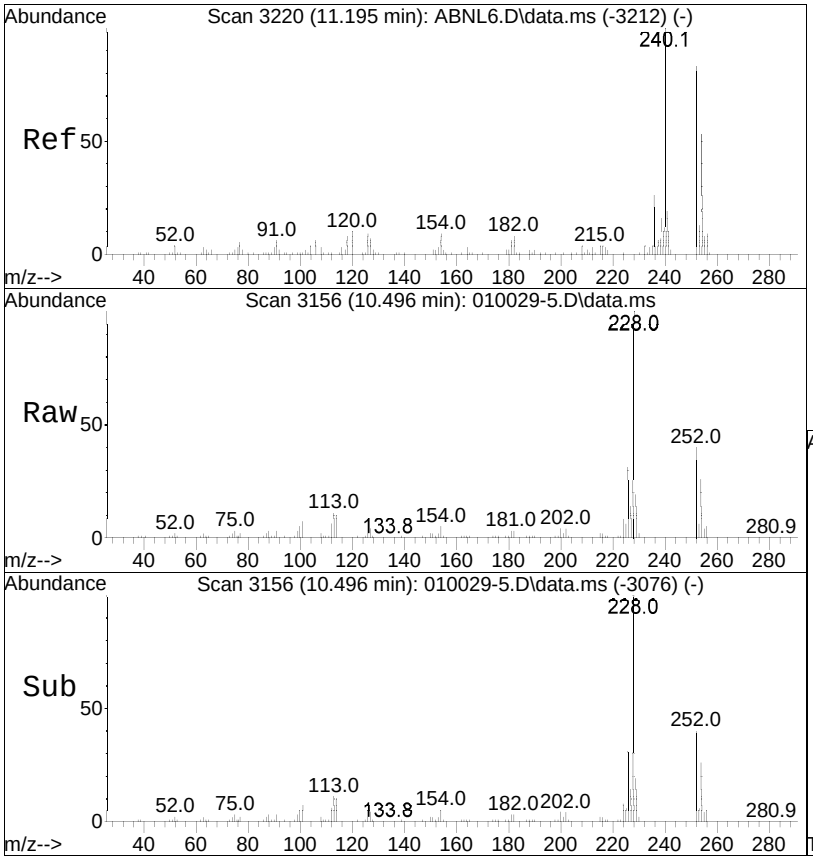


#99
Butyl benzyl phthalate
Concen: 1.84 ug/ml
RT: 10.061 min Scan# 3016
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:149 Resp: 34282

Ion	Ratio	Lower	Upper
149	100		
91	64.1	63.3	94.9
206	12.4	13.9	20.9#

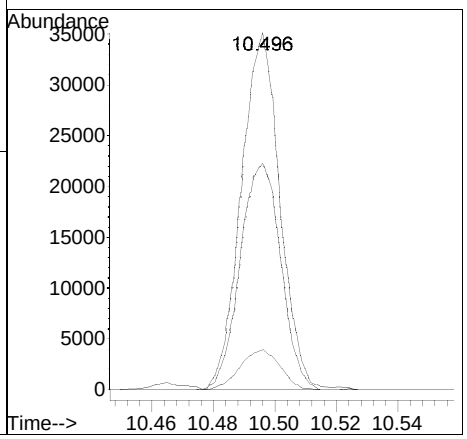


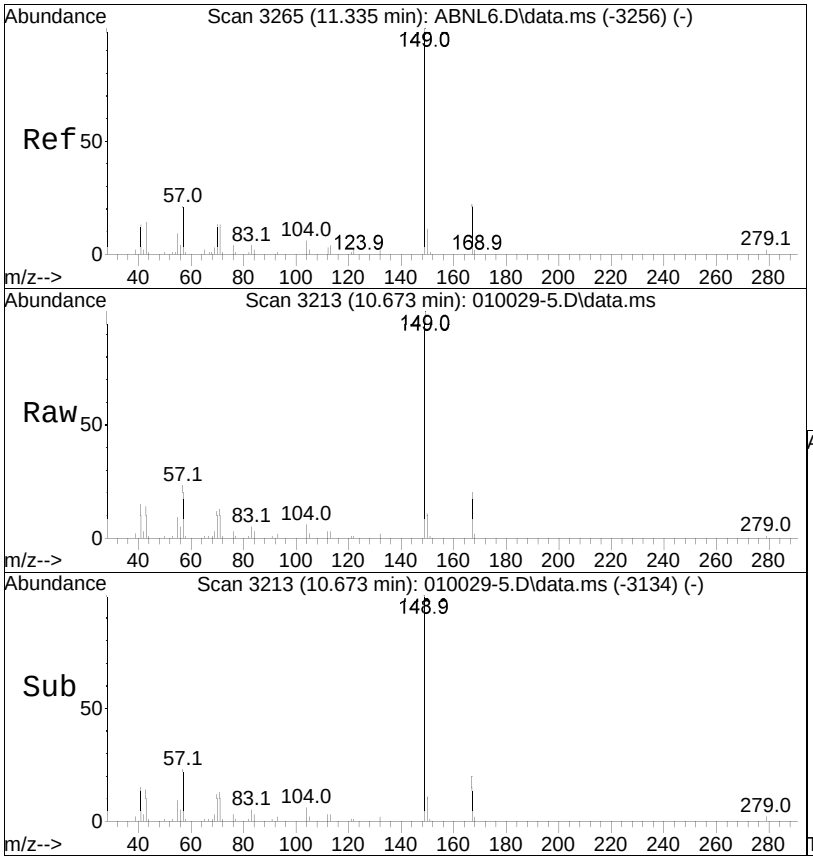


#108
3,3'-Dichlorobenzidine
Concen: 1.51 ug/ml
RT: 10.496 min Scan# 3156
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:252 Resp: 30506

Ion	Ratio	Lower	Upper
252	100		
126	11.8	14.5	21.7#
254	66.6	51.2	76.8

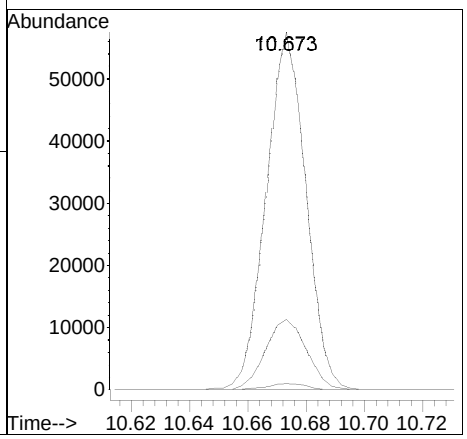


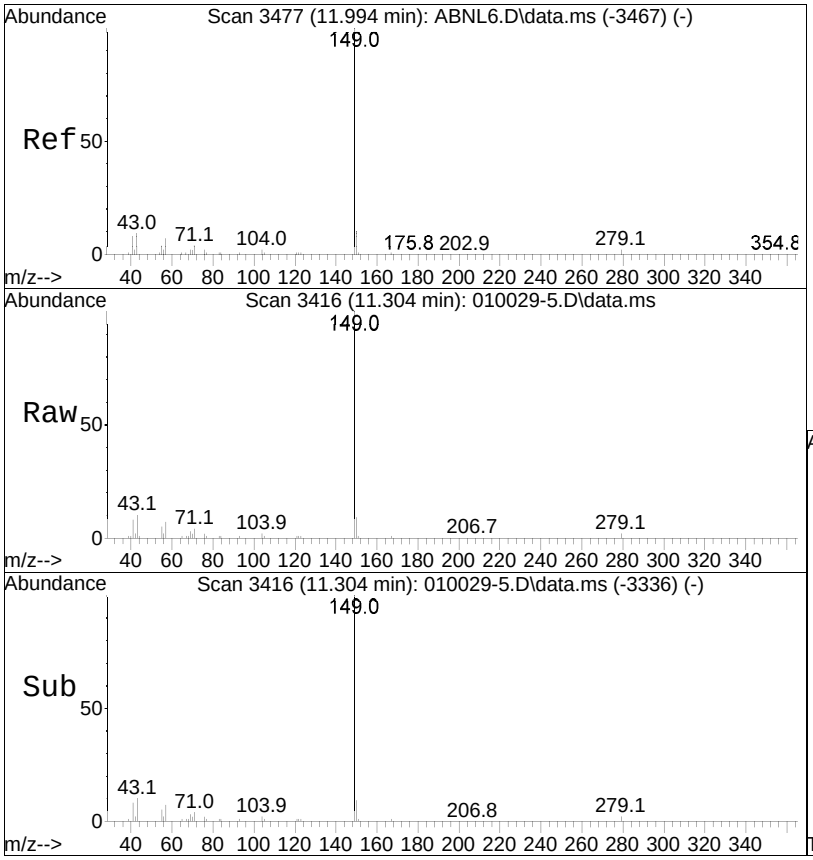


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.85 ug/ml
RT: 10.673 min Scan# 3213
Delta R.T. -0.003 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:149 Resp: 53713

Ion	Ratio	Lower	Upper
149	100		
167	20.4	22.1	33.1#
279	1.4	3.0	4.4#

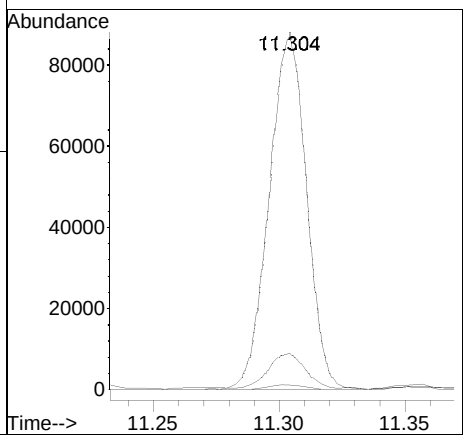




#111
Di-n-octylphthalate
Concen: 1.84 ug/ml
RT: 11.304 min Scan# 3416
Delta R.T. 0.000 min
Lab File: 010029-5.D
Acq: 18 Dec 2024 2:59 am

Tgt Ion:149 Resp: 89346

Ion	Ratio	Lower	Upper
149	100		
43	10.6	18.8	28.2#
167	1.1	1.3	1.9#



Manual Integration Report

Data Path	: I:\8270\Dakota\241217RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 010029-5.D	Operator	: Dakota:smz
Date Inj'd	: 12/18/2024 2:59 am	Instrument	: Dakota
Sample	: WG2010029-5,32,,ASK	Quant Date	: 12/18/2024 3:18 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-5.D
Acq On : 19 Dec 2024 3:26 pm
Operator : SV106:smz
Sample : WG2011033-5,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 09:46:19 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.639	152	54202	4.000	ug/ml	0.00
Standard Area 1 = 59785			Recovery = 90.66%			
27) IS2_1,4-Dichlorobenzen...	6.639	152	54202	4.000	ug/ml	0.00
Standard Area 3 = 57436			Recovery = 94.37%			
35) IS1_Naphthalene-d8	8.045	136	201904	4.000	ug/ml	0.00
Standard Area 1 = 236263			Recovery = 85.46%			
55) IS2_Naphthalene-d8	8.045	136	201904	4.000	ug/ml	0.00
Standard Area 3 = 223802			Recovery = 90.22%			
63) IS1_Acenaphthene-d10	9.804	164	118293	4.000	ug/ml	0.00
Standard Area 1 = 135584			Recovery = 87.25%			
83) IS2_Acenaphthene-d10	9.804	164	118293	4.000	ug/ml	0.00
Standard Area 3 = 135210			Recovery = 87.49%			
86) IS3_Acenaphthene-d10	9.804	164	118293	4.000	ug/ml	0.00
Standard Area 2 = 151712			Recovery = 77.97%			
88) IS1_Phenanthrene-d10	11.245	188	217353	4.000	ug/ml	0.00
Standard Area 1 = 265683			Recovery = 81.81%			
100) IS3_Phenanthrene-d10	11.245	188	217353	4.000	ug/ml	0.00
Standard Area 2 = 298371			Recovery = 72.85%			
104) IS1_Chrysene-d12	13.904	240	252382	4.000	ug/ml	0.00
Standard Area 1 = 288586			Recovery = 87.45%			
113) IS1_Perylene-d12	15.380	264	310816	4.000	ug/ml	0.00
Standard Area 1 = 335704			Recovery = 92.59%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	14900	0.884	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.20%			
7) Phenol-d6	6.269	99	12888	0.635	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.75%			
19) Nitrobenzene-d5	7.281	82	12858	0.698	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.80%			
46) 2-Fluorobiphenyl	9.163	172	34211	0.732	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.20%			
79) 2,4,6-Tribromophenol	10.574	330	8384	1.253	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.65%			
96) 4-Terphenyl-d14	12.833	244	50976	0.874	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.40%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-5.D
Acq On : 19 Dec 2024 3:26 pm
Operator : SV106:smz
Sample : WG2011033-5,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 09:46:19 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.369	74	11302	1.097	ug/ml#	57
3) Pyridine	2.457	79	5361	0.325	ug/ml#	57
5) Aniline	6.239	93	21655	0.902	ug/ml#	91
6) 2-Chlorophenol	6.381	128	20264	1.095	ug/ml#	88
8) Phenol	6.286	94	65982	3.132	ug/ml	91
9) Bis(2-chloroethyl)ether	6.363	93	24116	1.390	ug/ml	98
10) 1,3-Dichlorobenzene	6.563	146	30214	1.336	ug/ml	96
11) 1,4-Dichlorobenzene	6.657	146	31234	1.356	ug/ml	98
12) 1,2-Dichlorobenzene	6.833	146	30517	1.382	ug/ml	98
13) Benzyl alcohol	6.839	79	16501	1.149	ug/ml	92
14) Bis(2-chloroisopropyl)...	7.010	45	25689	0.941	ug/ml#	1
15) 2-Methylphenol	7.004	108	35454	2.329	ug/ml	99
17) n-Nitrosodi-n-propylamine	7.157	70	17742	1.393	ug/ml	99
18) 3-Methylphenol/4-Methy...	7.186	108	30099	1.813	ug/ml	94
20) Nitrobenzene	7.304	77	27074	1.439	ug/ml	90
21) Isophorone	7.580	82	49292	1.506	ug/ml#	98
22) 2-Nitrophenol	7.657	139	11365	1.177	ug/ml#	85
23) 2,4-Dimethylphenol	7.751	107	52134	3.440	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.839	93	32812	1.500	ug/ml	98
25) 2,4-Dichlorophenol	7.916	162	21856	1.290	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.998	180	27963	1.424	ug/ml	96
28) Benzaldehyde	6.081	105	31207	2.430	ug/ml#	68
29) Acetophenone	7.122	105	42581	1.718	ug/ml#	77
37) Benzoic Acid	7.810	105	10547	2.006	ug/ml#	85
38) 4-Chloroaniline	8.145	65	9330	1.459	ug/ml	79
40) p-Chloro-m-cresol	8.669	107	23790	1.591	ug/ml	99
43) Hexachlorocyclopentadiene	8.957	237	11804	0.893	ug/ml	99
44) 2,4,6-Trichlorophenol	9.075	196	16778	1.208	ug/ml	98
45) 2,4,5-Trichlorophenol	9.104	196	18450	1.283	ug/ml	95
48) 2-Nitroaniline	9.369	138	20503	1.819	ug/ml#	75
51) Dimethyl phthalate	9.569	163	82855	1.795	ug/ml#	98
53) 2,6-Dinitrotoluene	9.616	165	16948	1.806	ug/ml#	75
60) Caprolactam	8.486	55	4687	0.633	ug/ml#	63
61) 1,2,4,5-Tetrachloroben...	8.951	216	33394	1.646	ug/ml	96
62) Biphenyl	9.251	154	164093	3.585	ug/ml	99
64) 3-Nitroaniline	9.774	138	15885	1.663	ug/ml#	88
66) 2,4-Dinitrophenol	9.874	184	3611	1.673	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-5.D
Acq On : 19 Dec 2024 3:26 pm
Operator : SV106:smz
Sample : WG2011033-5,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 09:46:19 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	Dibenzofuran	10.004	168	338358	6.112	ug/ml	97
68)	2,4-Dinitrotoluene	10.004	165	22441	1.810	ug/ml#	73
69)	4-Nitrophenol	9.957	65	5363M3	0.759	ug/ml	
71)	2,3,4,6-Tetrachlorophenol	10.139	232	15196	1.334	ug/ml	97
72)	Diethyl phthalate	10.263	149	78992	1.760	ug/ml	99
74)	4-Chlorophenyl phenyl ...	10.357	204	37442	1.687	ug/ml	91
75)	4-Nitroaniline	10.363	138	20477	2.107	ug/ml#	67
76)	4,6-Dinitro-o-cresol	10.398	198	6899	1.109	ug/ml#	64
77)	NDPA/DPA	10.469	169	68296	1.831	ug/ml	92
78)	Azobenzene	10.504	77	57432	1.576	ug/ml#	50
80)	4-Bromophenyl phenyl e...	10.827	248	24329	1.770	ug/ml#	86
85)	Pentachloronitrobenzene	11.092	237	11539	2.019	ug/ml#	78
87)	Atrazine	11.010	200	23179	1.889	ug/ml	95
91)	Carbazole	11.486	167	684178	11.949	ug/ml	99
92)	Di-n-butylphthalate	11.868	149	135352	1.889	ug/ml	97
94)	Benzidine	12.574	184	14893	0.353	ug/ml#	84
97)	Butyl benzyl phthalate	13.357	149	66037	2.192	ug/ml#	81
102)	Parathion	12.027	109	15197	2.451	ug/ml#	94
106)	3,3'-Dichlorobenzidine	13.886	252	57581	2.014	ug/ml#	95
108)	Bis(2-ethylhexyl)phtha...	13.998	149	106248	2.034	ug/ml	94
109)	Di-n-octylphthalate	14.680	149	188442	2.175	ug/ml#	68

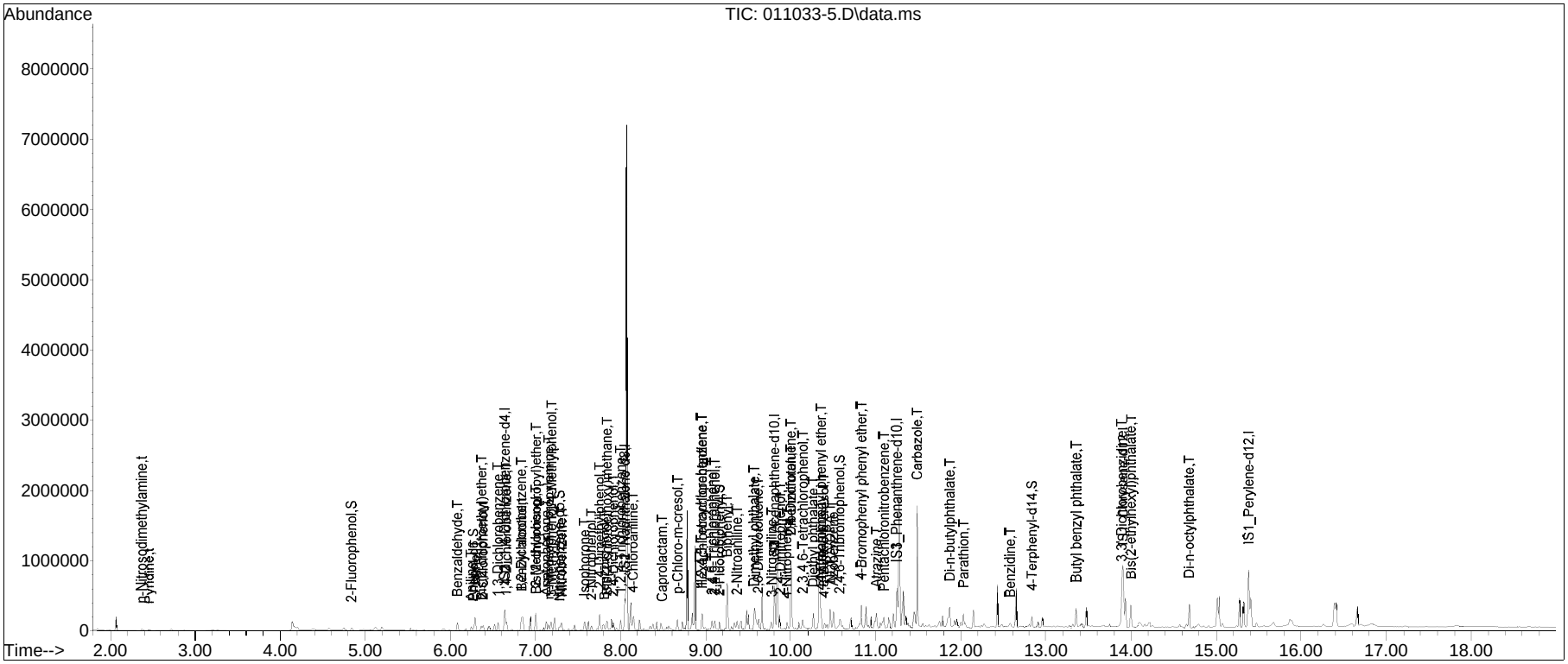
(#) = qualifier out of range (m) = manual integration (+) = signals summed

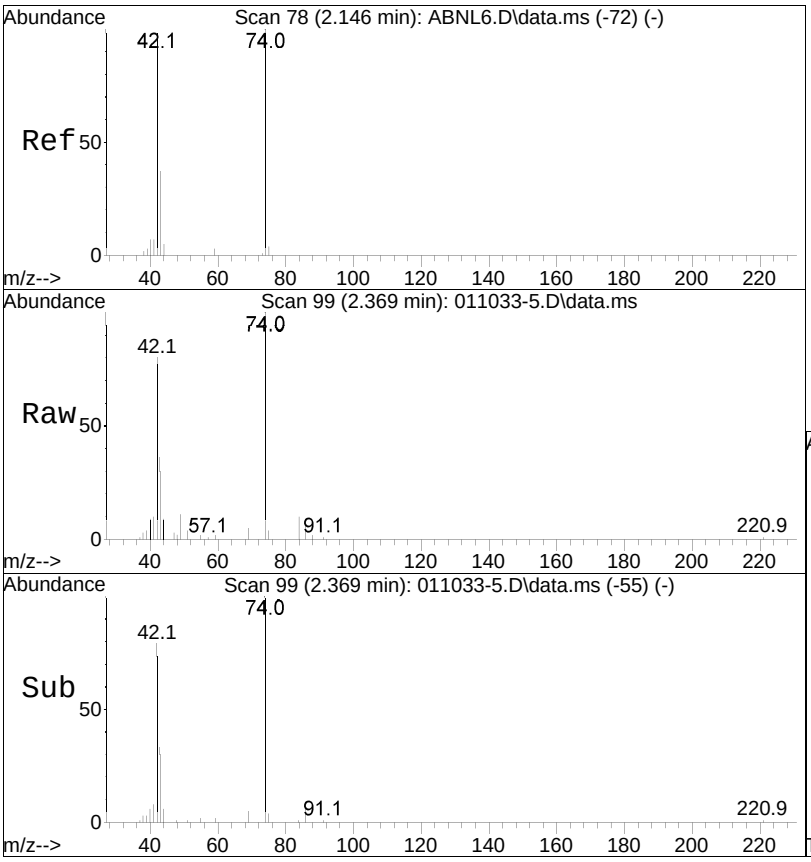
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-5.D
Acq On : 19 Dec 2024 3:26 pm
Operator : SV106:smz
Sample : WG2011033-5,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 09:46:19 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91219.D•

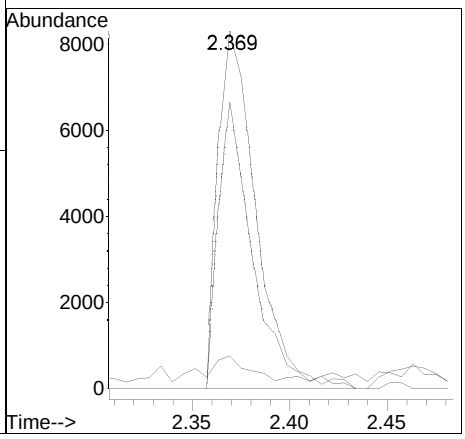


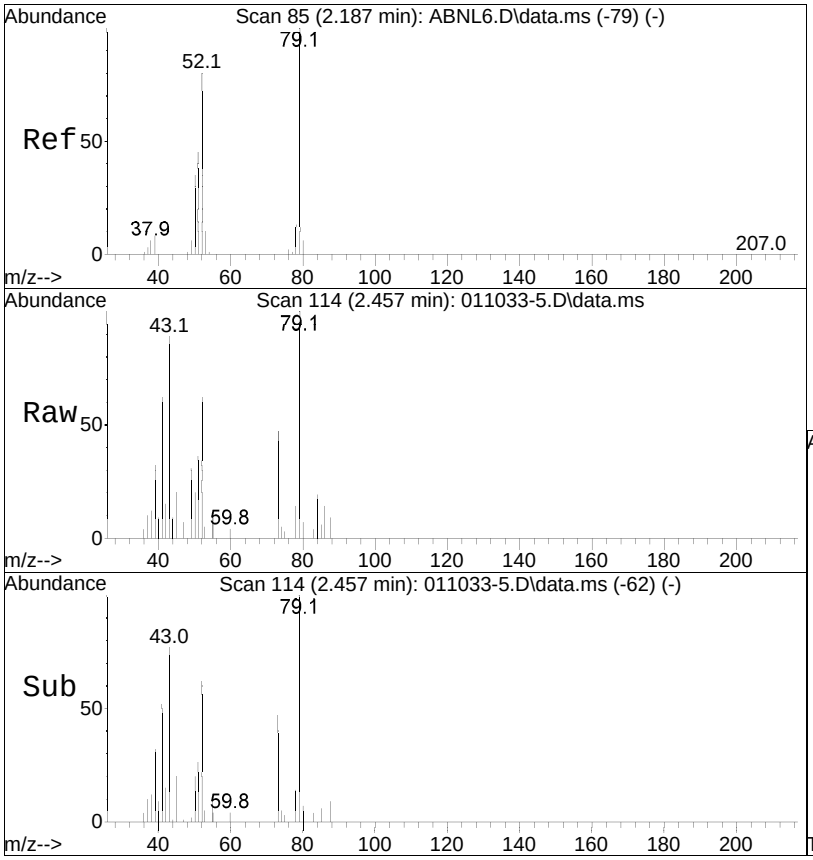


#2
n-Nitrosodimethylamine
Concen: 1.10 ug/ml
RT: 2.369 min Scan# 99
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 74 Resp: 11302

Ion	Ratio	Lower	Upper
74	100		
42	72.2	100.0	150.0#
44	8.1	6.7	10.1

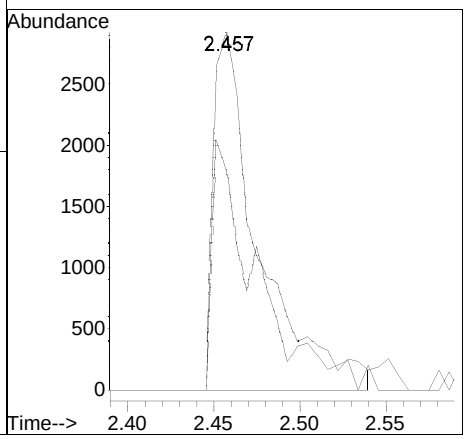


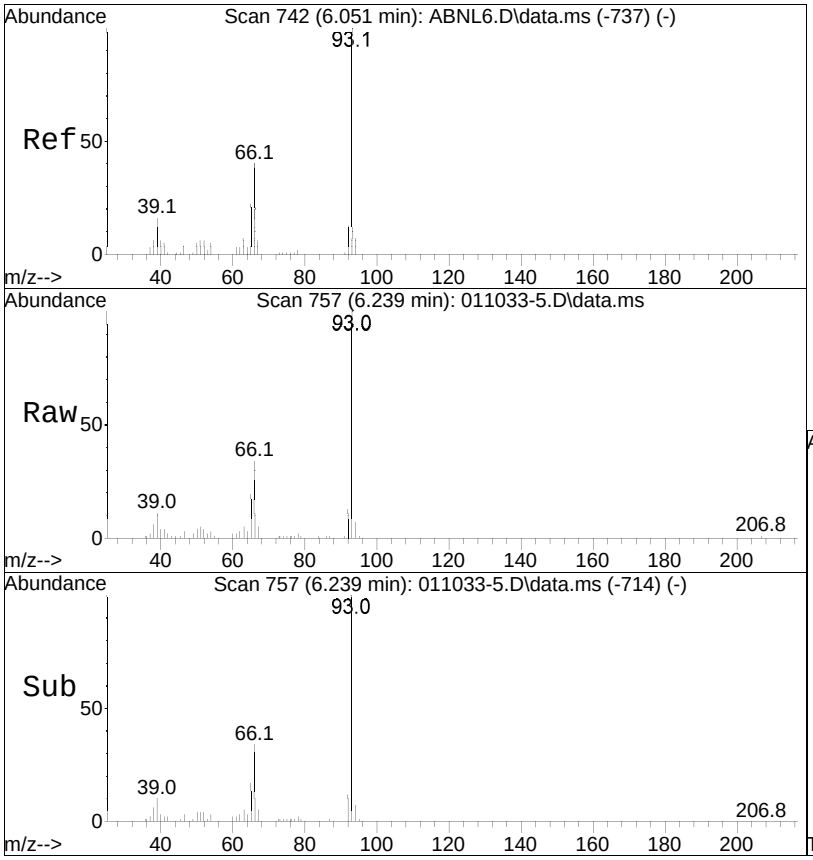


#3
Pyridine
Concen: 0.32 ug/ml
RT: 2.457 min Scan# 114
Delta R.T. 0.053 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 79 Resp: 5361

Ion	Ratio	Lower	Upper
79	100		
52	69.1	93.1	139.7#

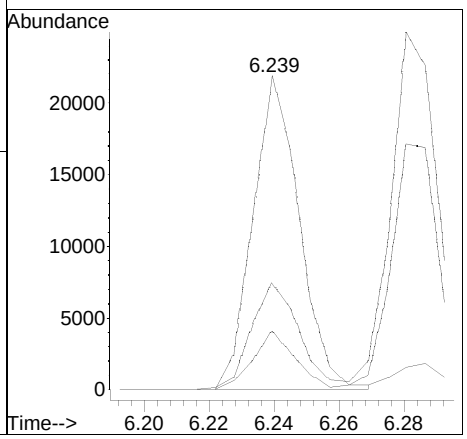


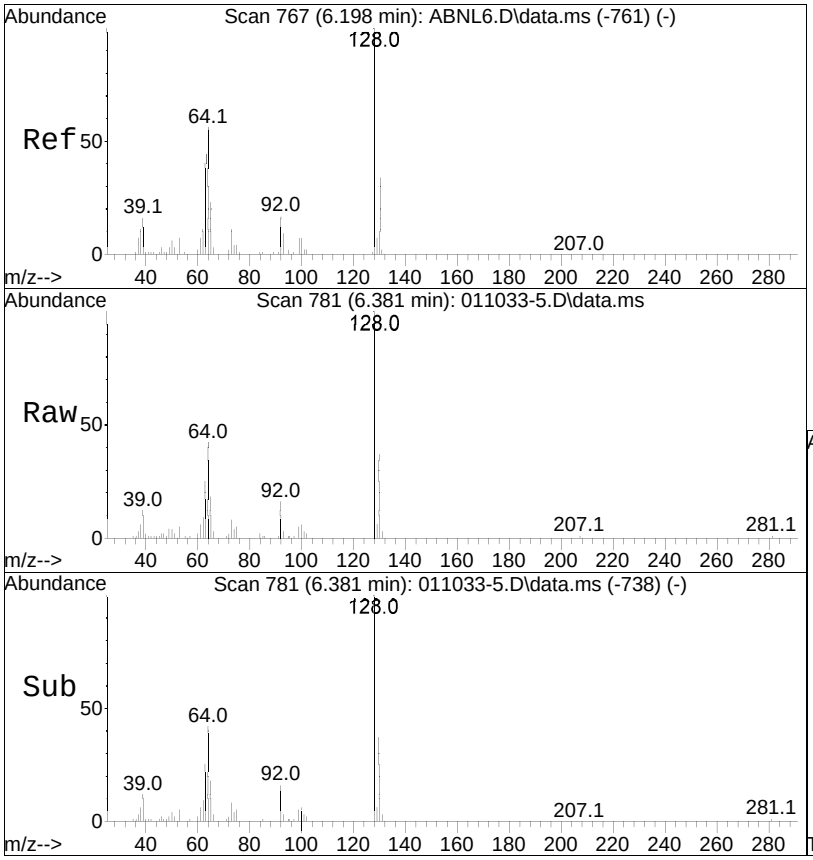


#5
Aniline
Concen: 0.90 ug/ml
RT: 6.239 min Scan# 757
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 93 Resp: 21655

Ion	Ratio	Lower	Upper
93	100		
66	35.7	32.6	49.0
65	17.1	17.6	26.4#

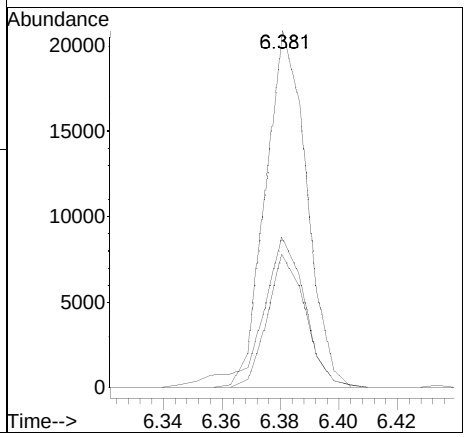


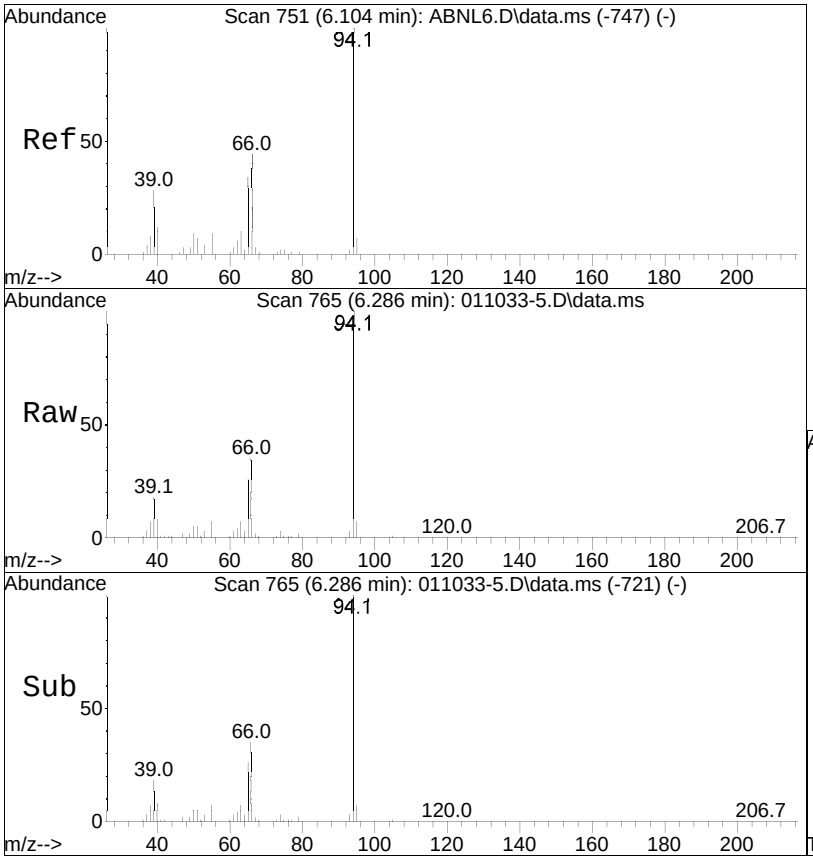


#6
2-Chlorophenol
Concen: 1.10 ug/ml
RT: 6.381 min Scan# 781
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:128 Resp: 20264

Ion	Ratio	Lower	Upper
128	100		
64	44.7	45.1	67.7#
130	35.1	26.2	39.4

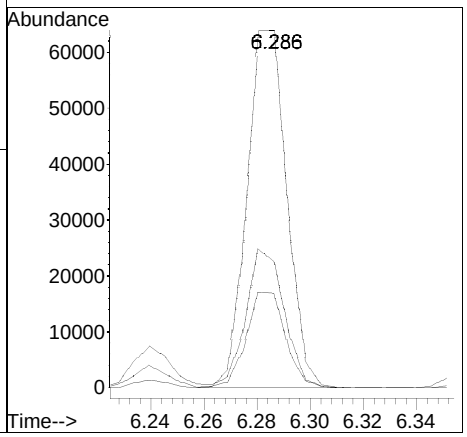


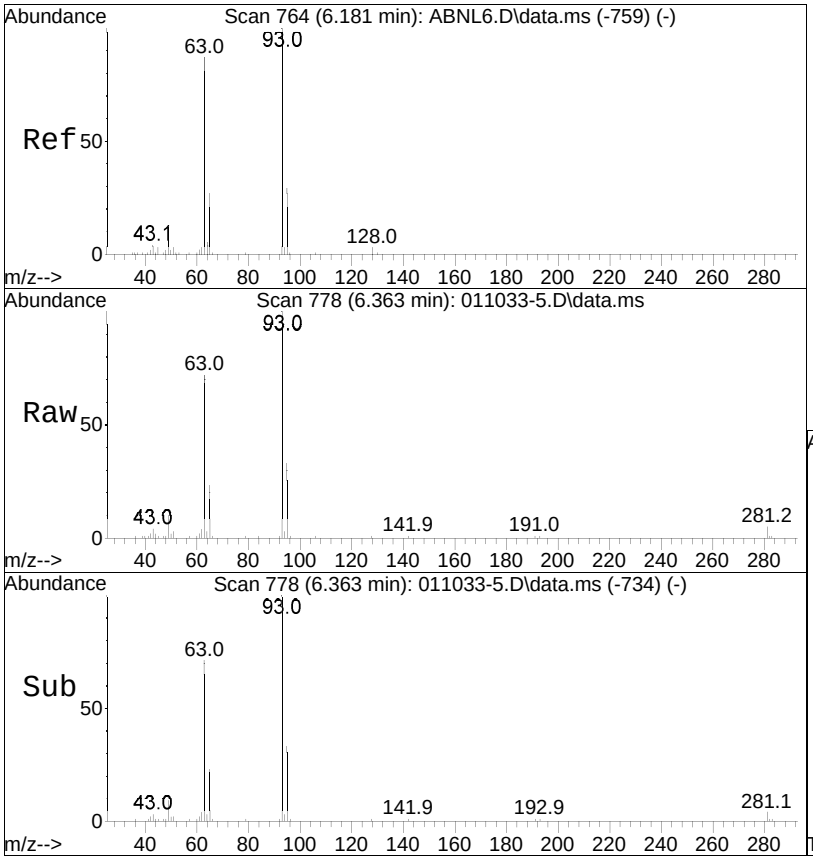


#8
Phenol
Concen: 3.13 ug/ml
RT: 6.286 min Scan# 765
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 94 Resp: 65982

Ion	Ratio	Lower	Upper
94	100		
65	26.7	26.0	39.0
66	37.5	33.8	50.8

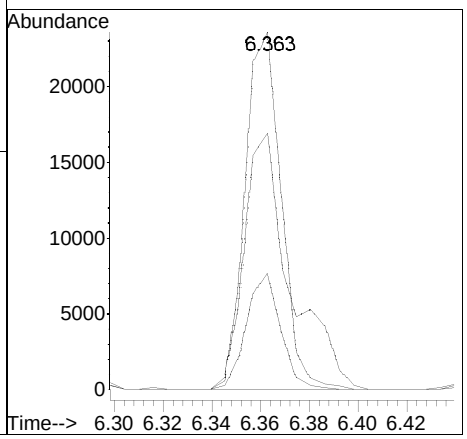


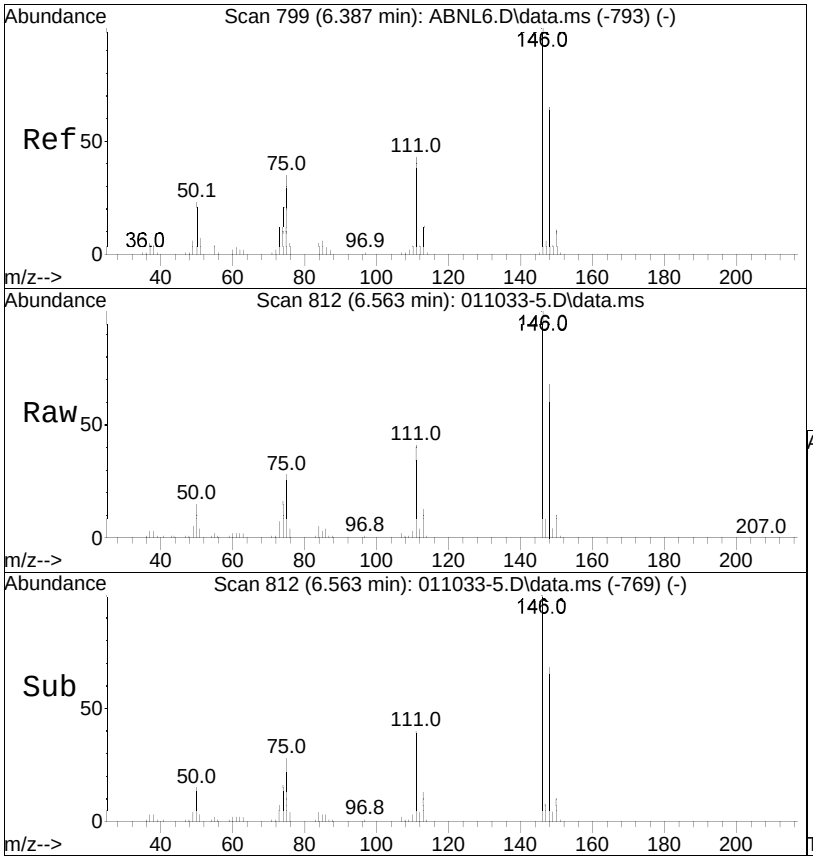


#9
Bis(2-chloroethyl)ether
Concen: 1.39 ug/ml
RT: 6.363 min Scan# 778
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 93 Resp: 24116

Ion	Ratio	Lower	Upper
93	100		
63	91.7	74.6	111.8
95	30.9	25.9	38.9

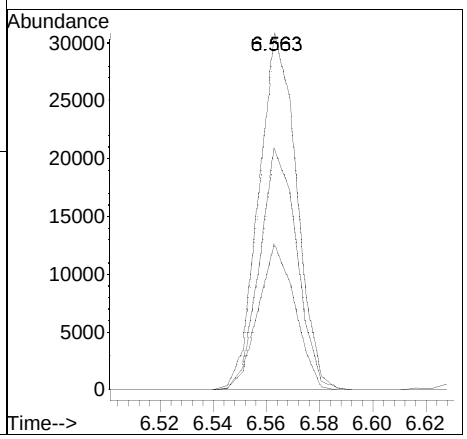


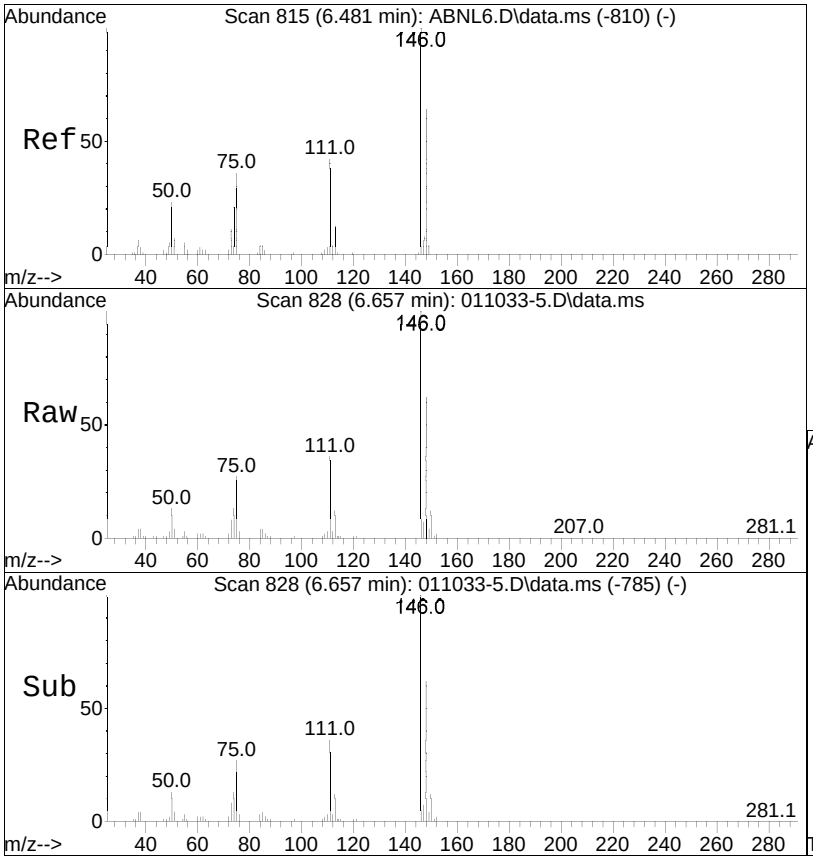


#10
1,3-Dichlorobenzene
Concen: 1.34 ug/ml
RT: 6.563 min Scan# 812
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:146 Resp: 30214

Ion	Ratio	Lower	Upper
146	100		
111	39.9	34.3	51.5
148	66.6	50.8	76.2

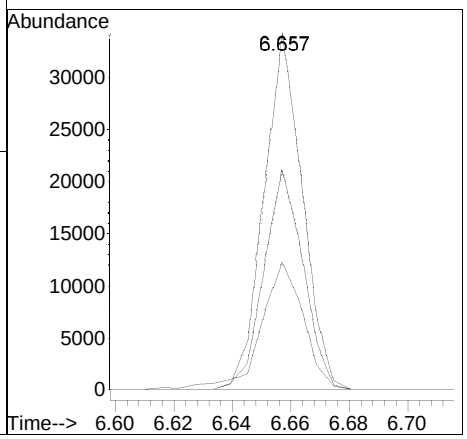


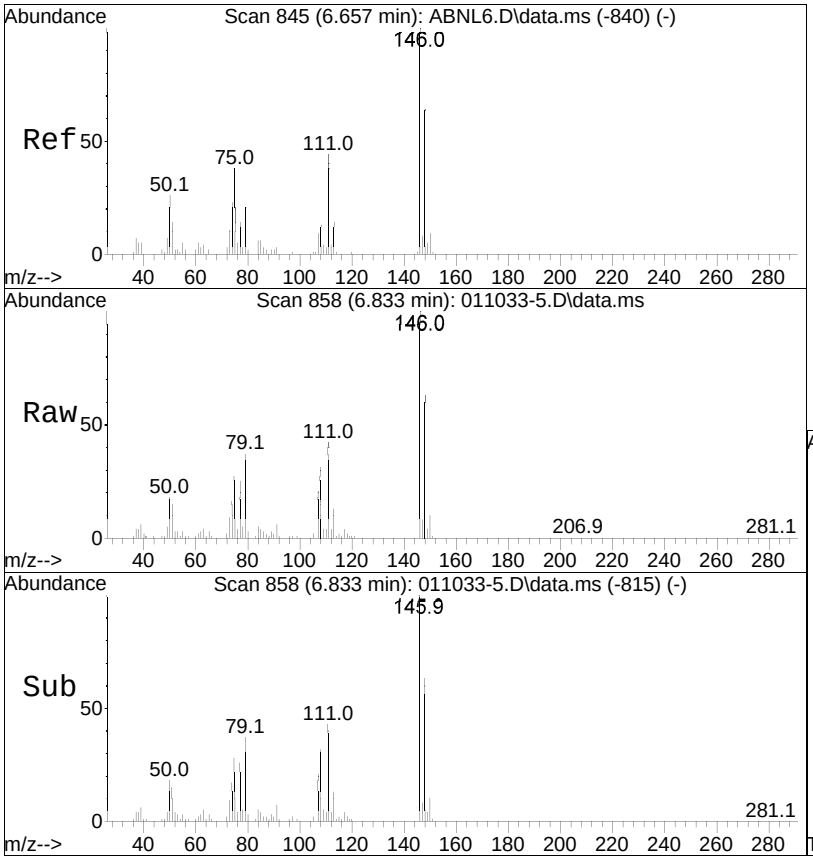


#11
1,4-Dichlorobenzene
Concen: 1.36 ug/ml
RT: 6.657 min Scan# 828
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:146 Resp: 31234

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.7	76.1
111	39.5	33.4	50.0

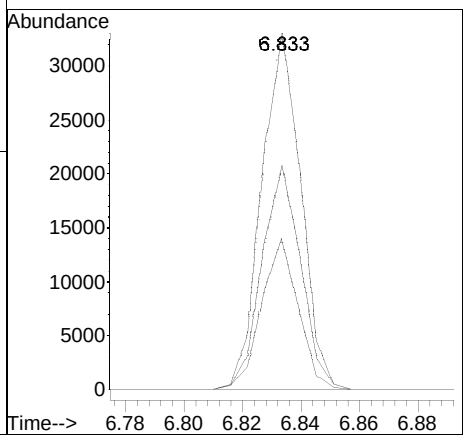


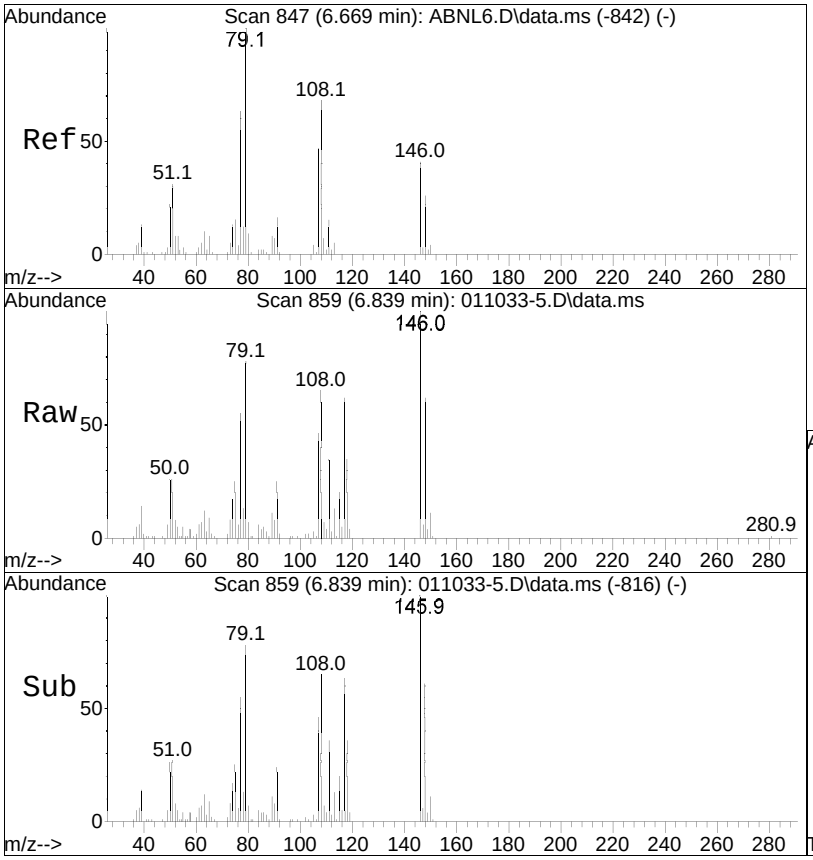


#12
1,2-Dichlorobenzene
Concen: 1.38 ug/ml
RT: 6.833 min Scan# 858
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:146 Resp: 30517

Ion	Ratio	Lower	Upper
146	100		
111	39.9	34.6	52.0
148	62.4	50.2	75.4

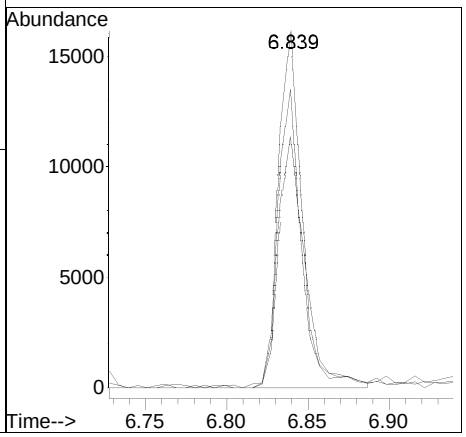


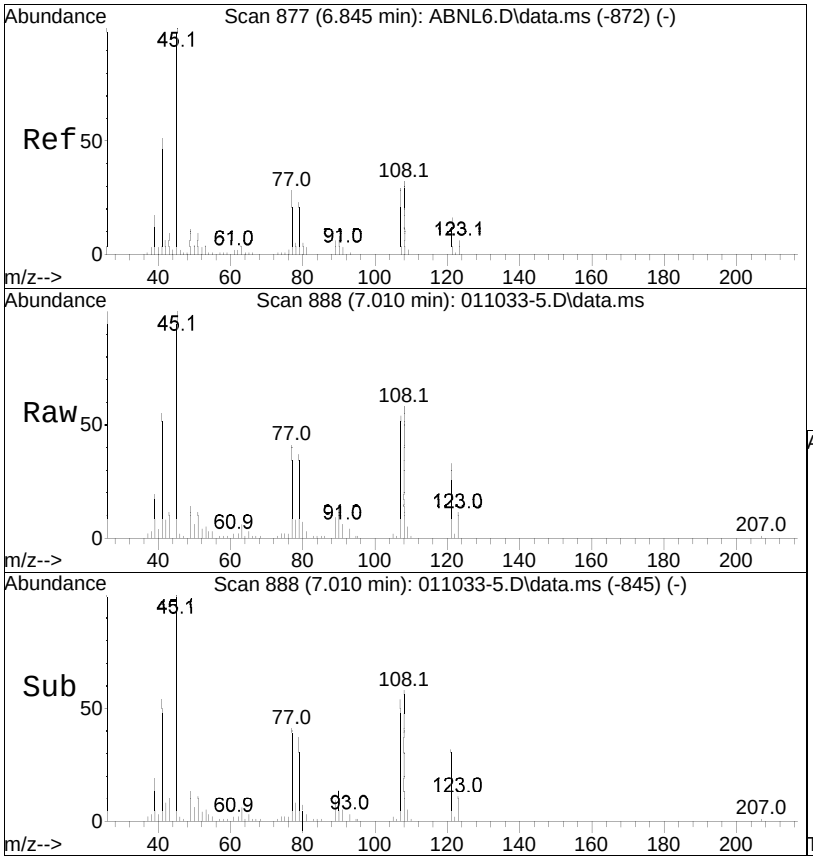


#13
Benzyl alcohol
Concen: 1.15 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 79 Resp: 16501

Ion	Ratio	Lower	Upper
79	100		
77	79.0	54.9	82.3
108	81.7	63.1	94.7

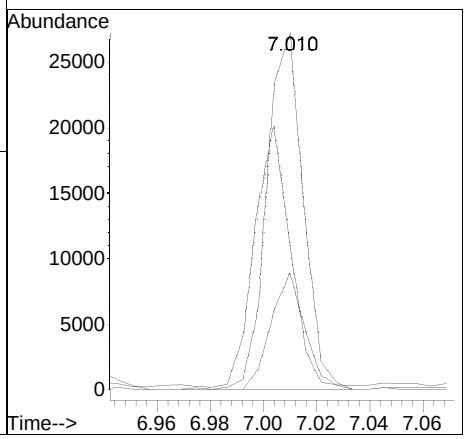


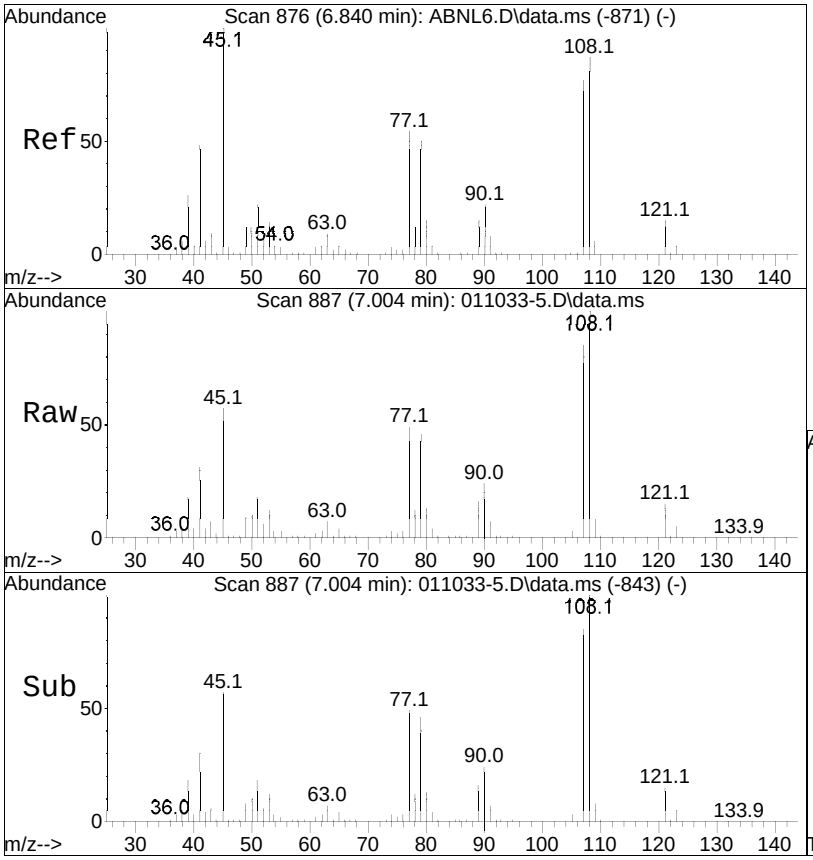


#14
Bis(2-chloroisopropyl)ether
Concen: 0.94 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 45 Resp: 25689

Ion	Ratio	Lower	Upper
45	100		
121	30.8	9.8	14.6#
77	72.3	6.1	9.1#

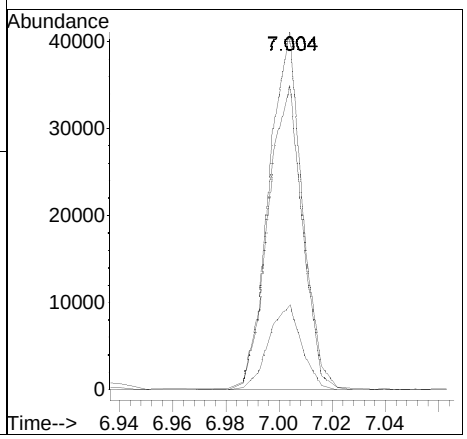


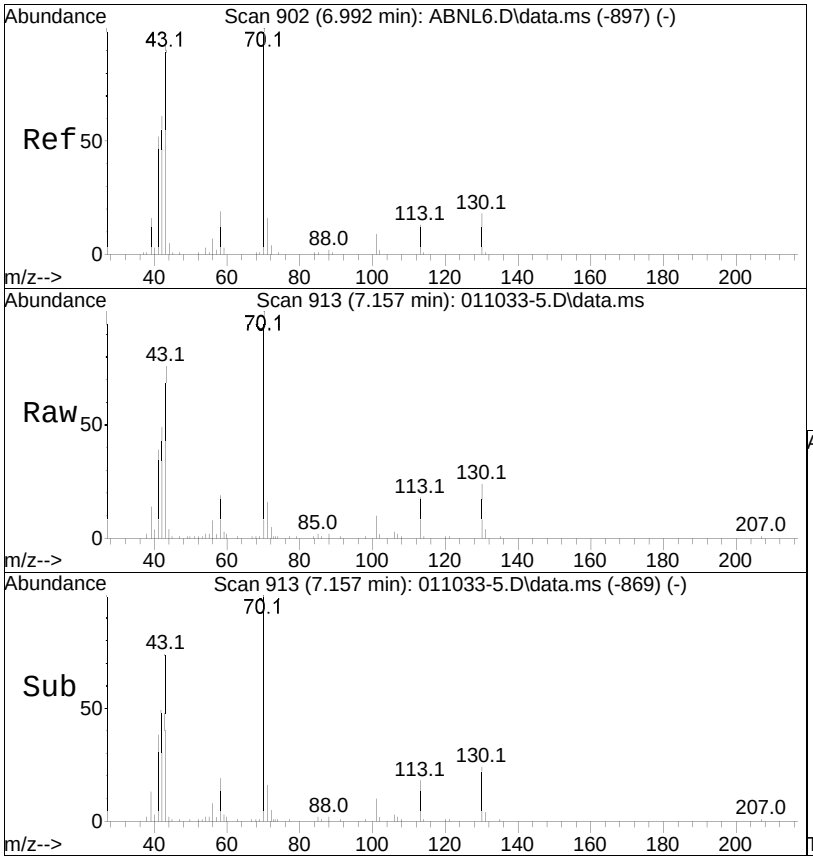


#15
2-Methylphenol
Concen: 2.33 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:108 Resp: 35454

Ion	Ratio	Lower	Upper
108	100		
107	87.8	70.7	106.1
90	23.7	18.7	28.1

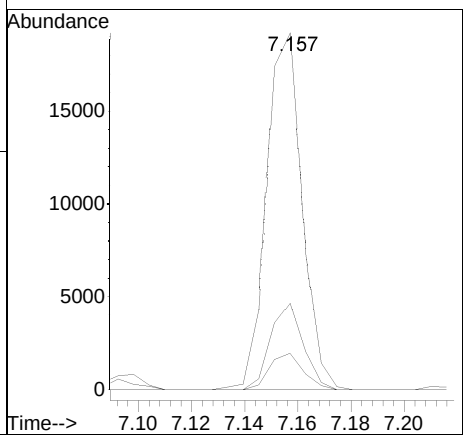


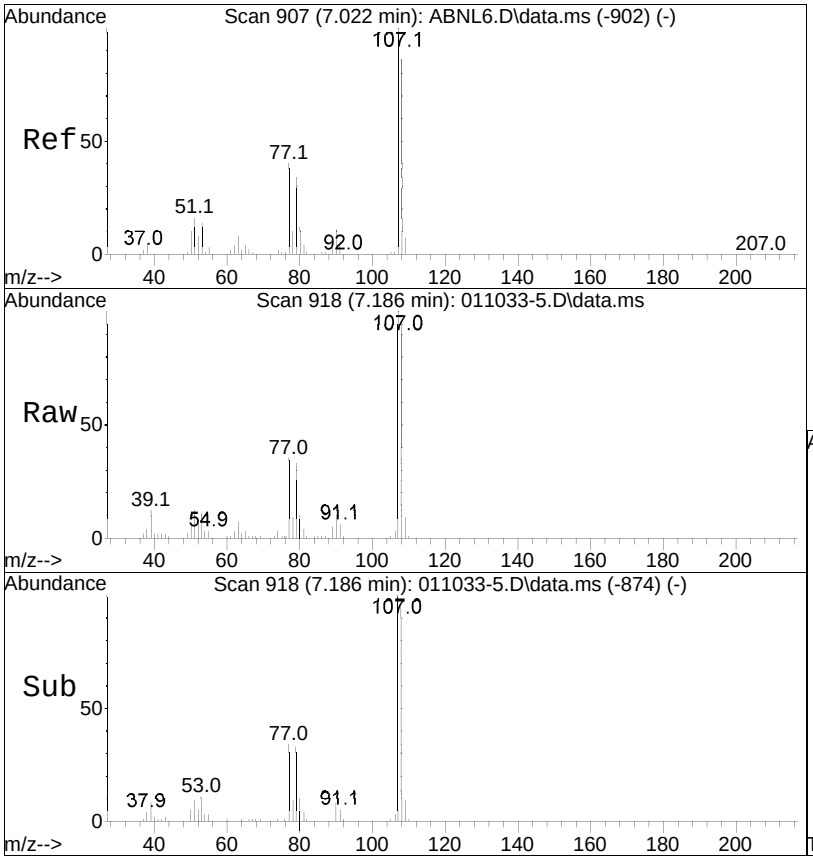


#17
n-Nitrosodi-n-propylamine
Concen: 1.39 ug/ml
RT: 7.157 min Scan# 913
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 70 Resp: 17742

Ion	Ratio	Lower	Upper
70	100		
130	22.3	18.2	27.4
101	9.7	7.8	11.8

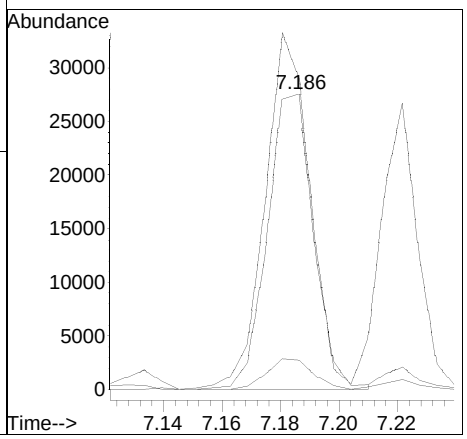


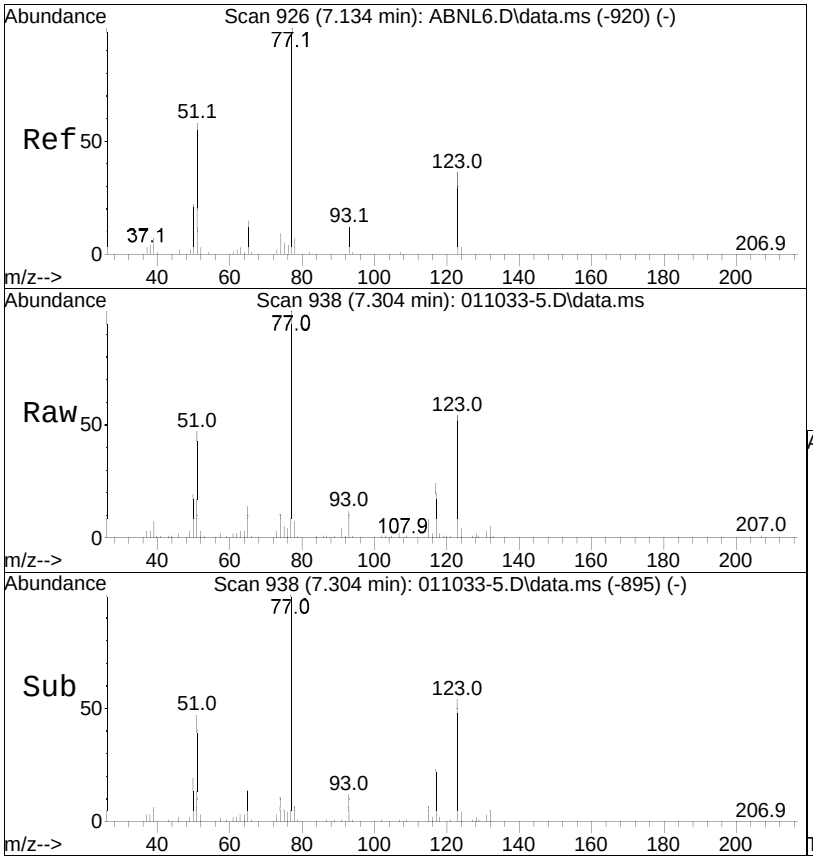


#18
3-Methylphenol/4-Methylphenol
Concen: 1.81 ug/ml
RT: 7.186 min Scan# 918
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:108 Resp: 30099

Ion	Ratio	Lower	Upper
108	100		
107	117.8	88.6	132.8
90	10.4	8.8	13.2

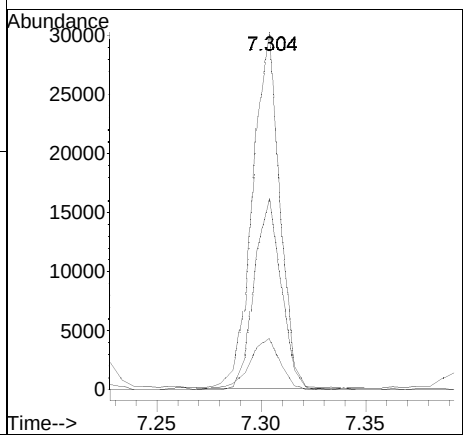


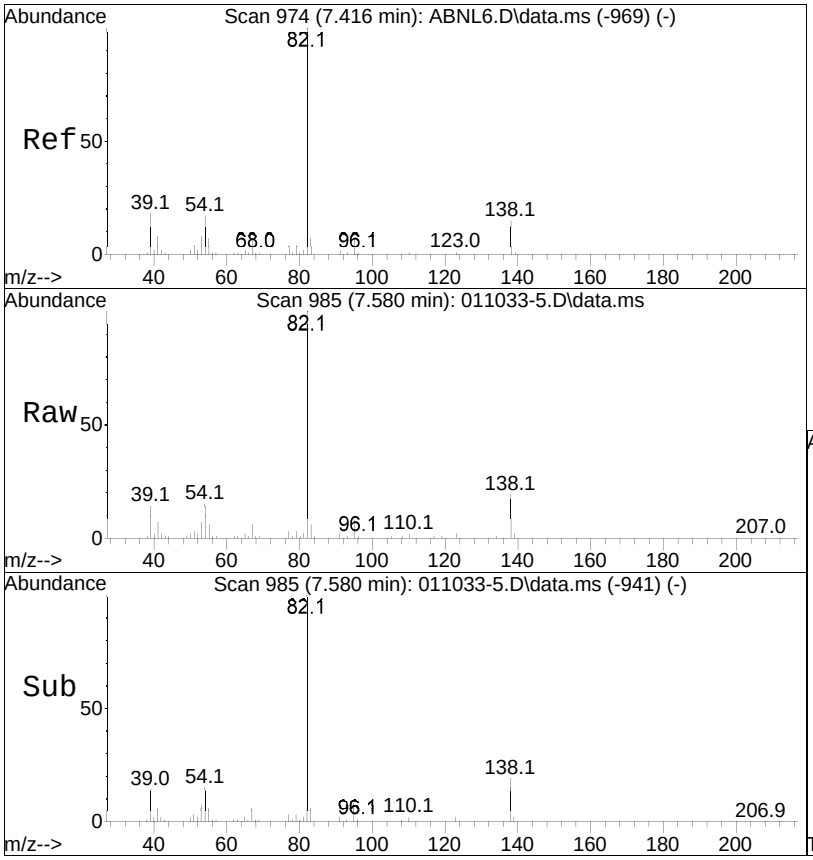


#20
Nitrobenzene
Concen: 1.44 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 77 Resp: 27074

Ion	Ratio	Lower	Upper
77	100		
123	53.4	36.3	54.5
65	16.6	11.6	17.4

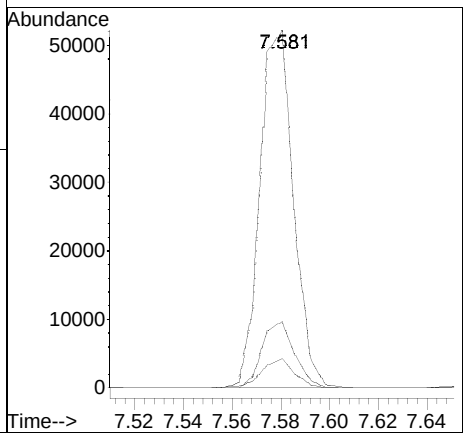


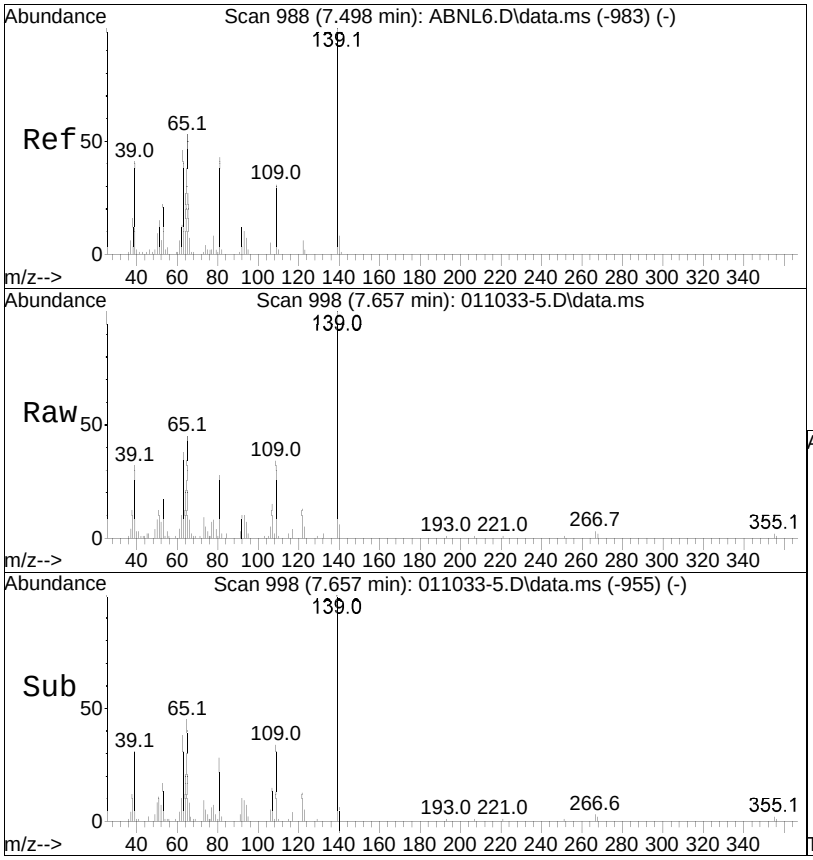


#21
Isophorone
Concen: 1.51 ug/ml
RT: 7.580 min Scan# 985
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 82 Resp: 49292

Ion	Ratio	Lower	Upper
82	100		
138	18.1	14.7	22.1
95	8.1	5.2	7.8#

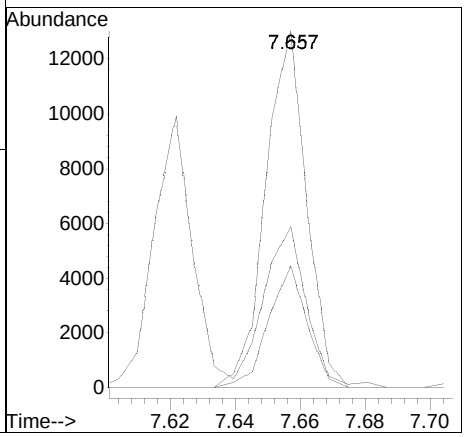


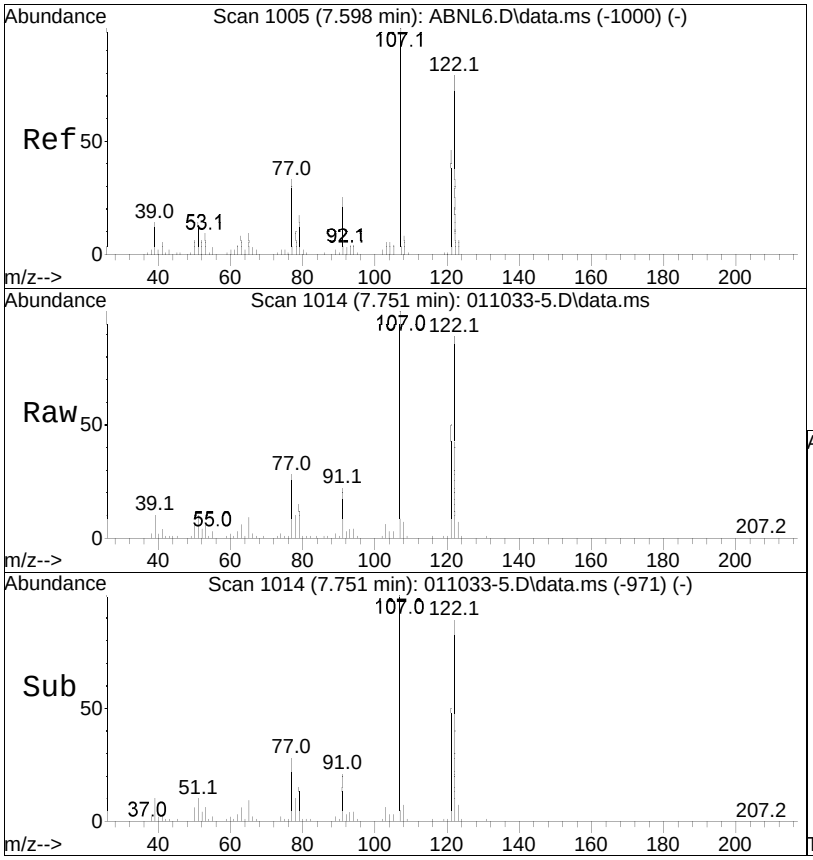


#22
2-Nitrophenol
Concen: 1.18 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:139 Resp: 11365

Ion	Ratio	Lower	Upper
139	100		
109	32.3	19.4	29.0#
65	47.2	46.1	69.1

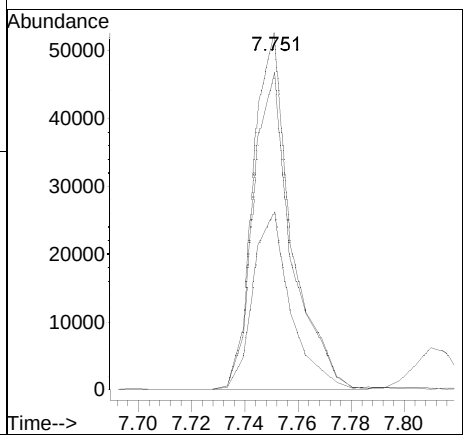


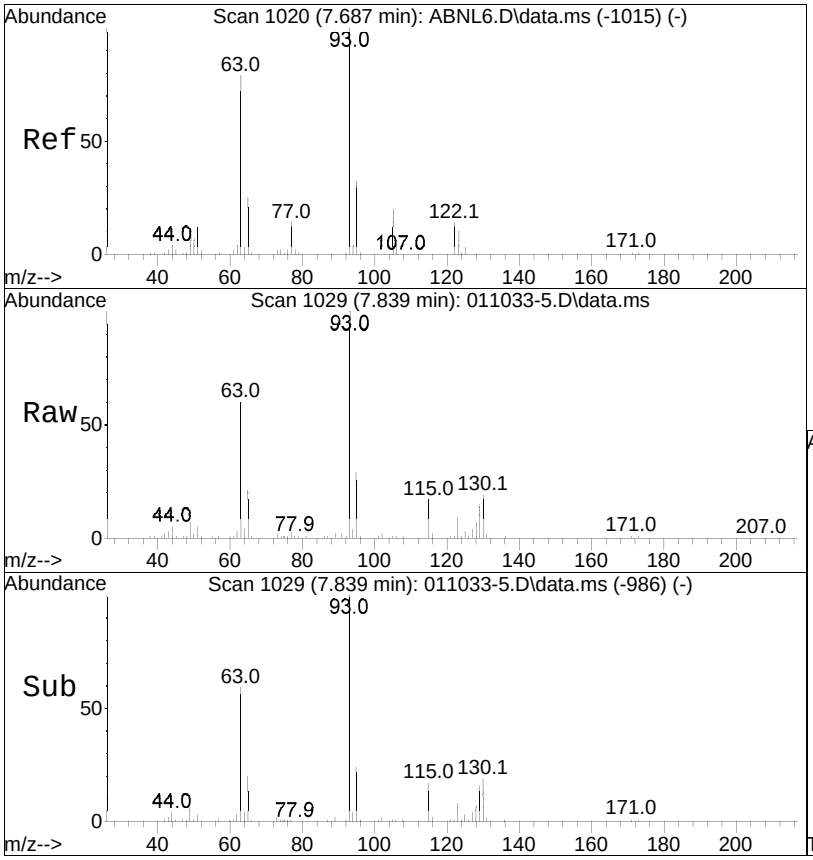


#23
2,4-Dimethylphenol
Concen: 3.44 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:107 Resp: 52134

Ion	Ratio	Lower	Upper
107	100		
121	50.2	40.0	60.0
122	89.6	70.2	105.4

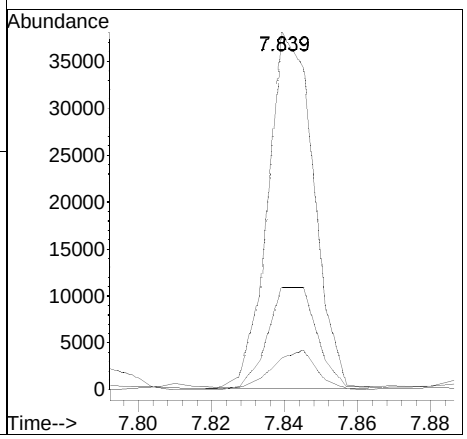


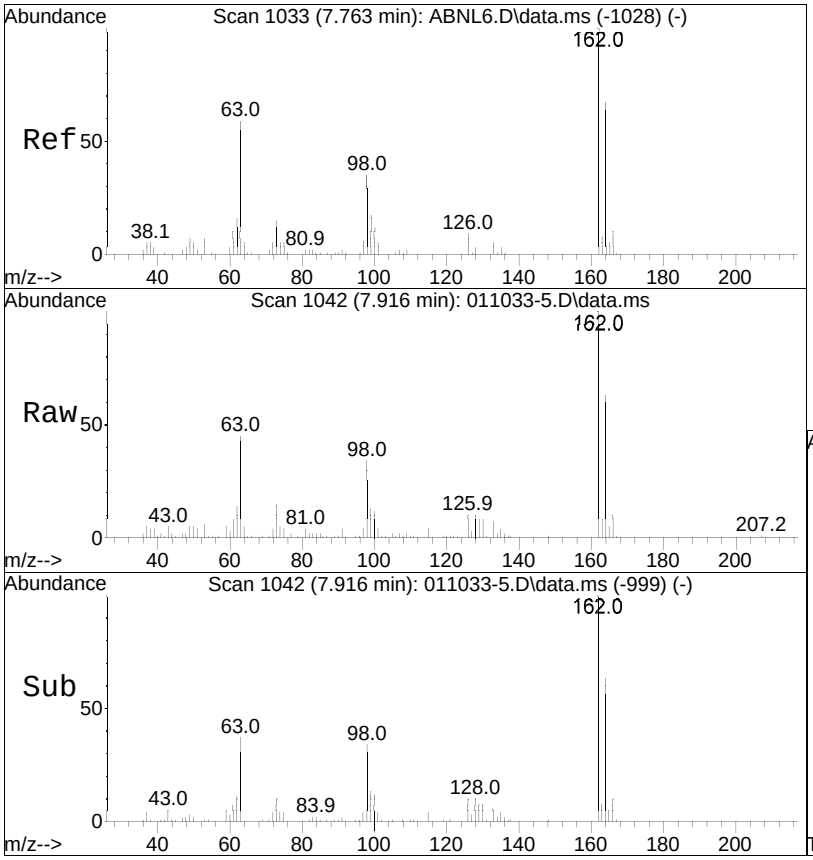


#24
Bis(2-chloroethoxy)methane
Concen: 1.50 ug/ml
RT: 7.839 min Scan# 1029
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 93 Resp: 32812

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.8	38.8
123	10.9	10.1	15.1

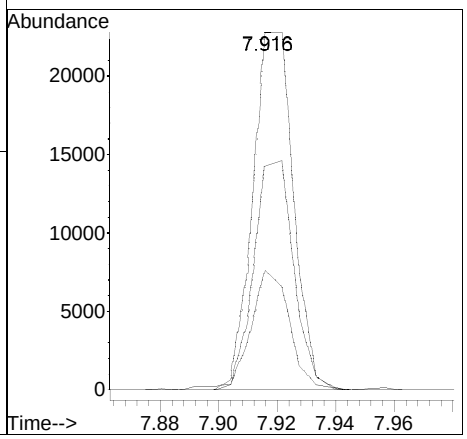


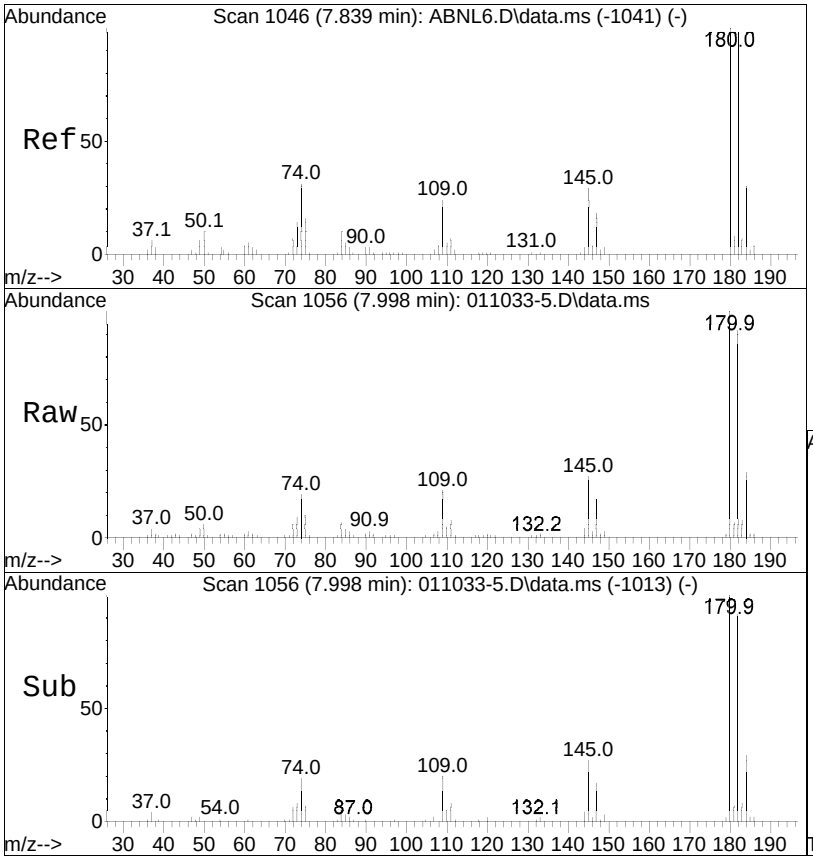


#25
2,4-Dichlorophenol
Concen: 1.29 ug/ml
RT: 7.916 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:162 Resp: 21856

Ion	Ratio	Lower	Upper
162	100		
164	63.1	51.0	76.4
98	32.4	32.2	48.2

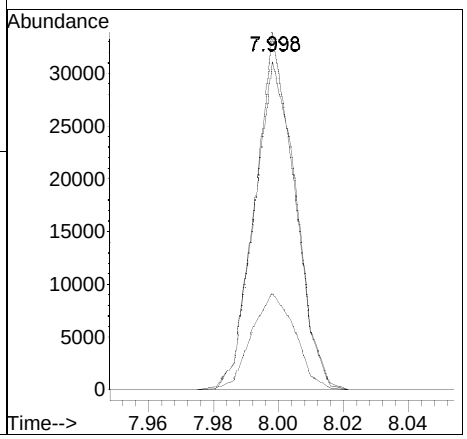


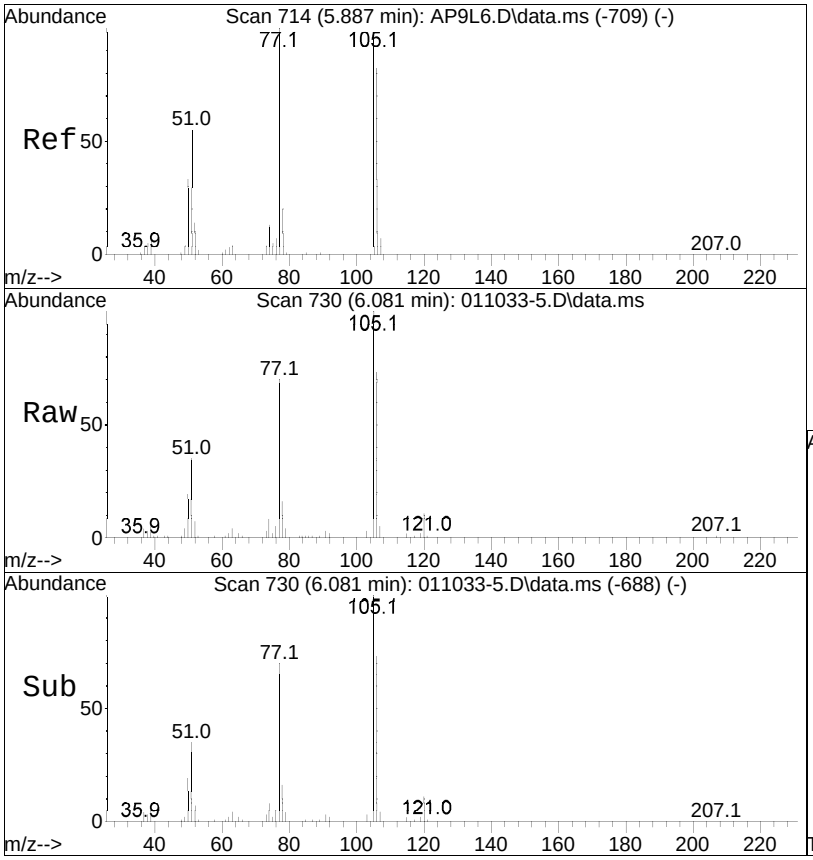


#26
1,2,4-Trichlorobenzene
Concen: 1.42 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:180 Resp: 27963

Ion	Ratio	Lower	Upper
180	100		
182	99.5	76.0	114.0
145	30.4	25.7	38.5

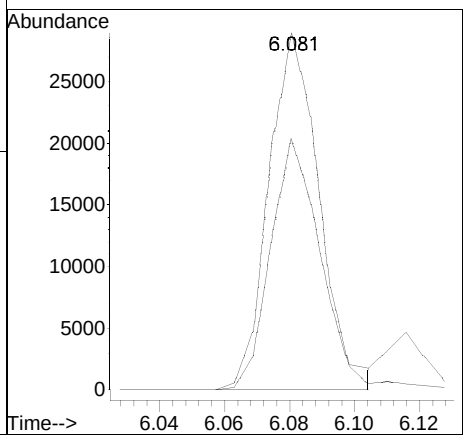


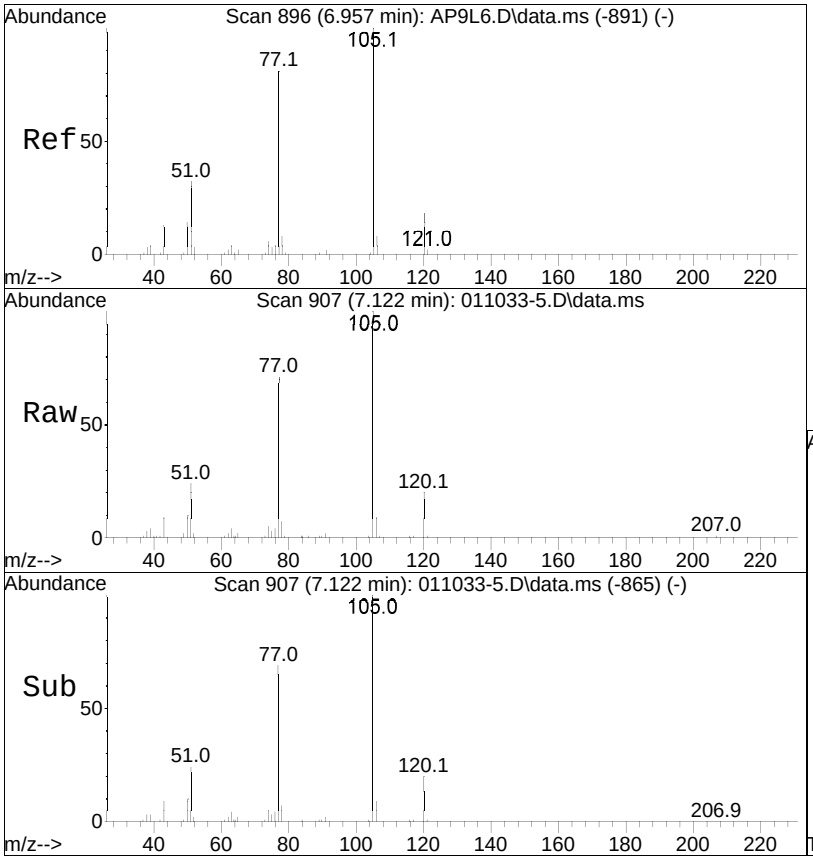


#28
Benzaldehyde
Concen: 2.43 ug/ml
RT: 6.081 min Scan# 730
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:105 Resp: 31207

Ion	Ratio	Lower	Upper
105	100		
77	70.6	82.2	123.4#

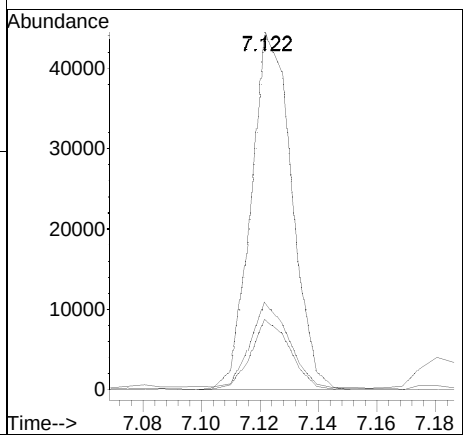


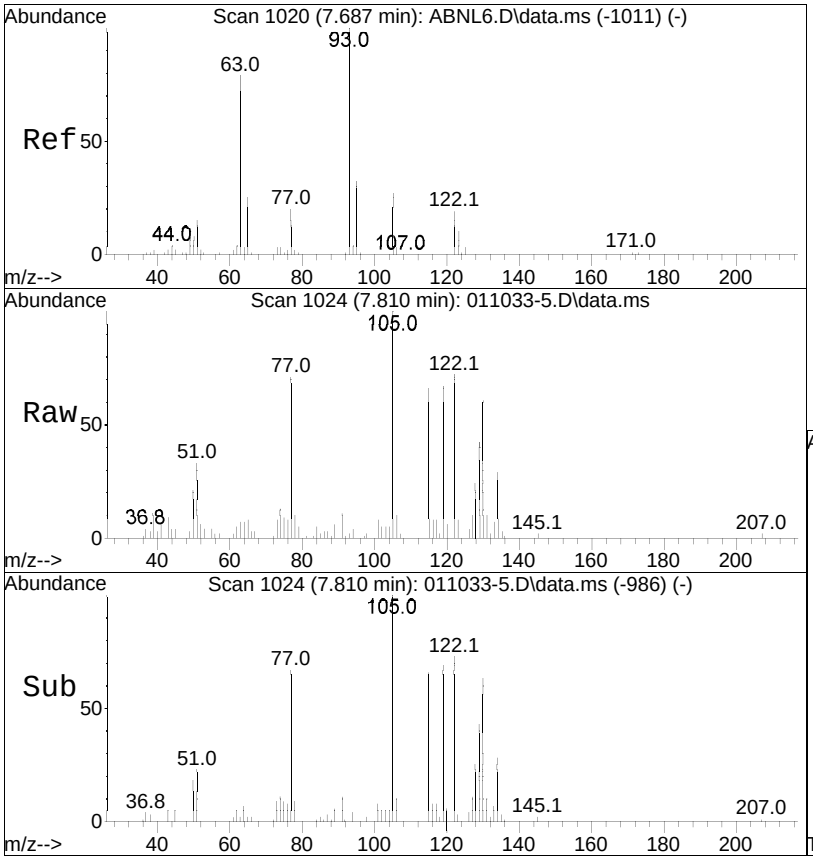


#29
Acetophenone
Concen: 1.72 ug/ml
RT: 7.122 min Scan# 907
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:105 Resp: 42581

Ion	Ratio	Lower	Upper
105	100		
120	19.8	20.5	30.7#
51	24.5	34.9	52.3#

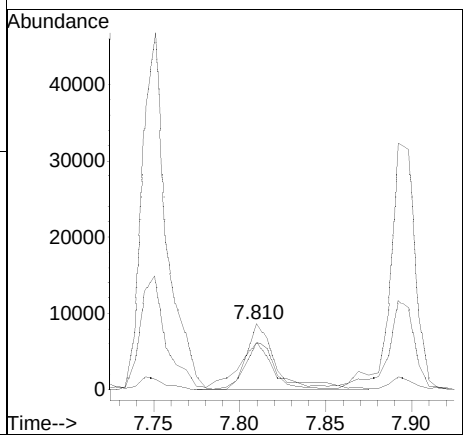


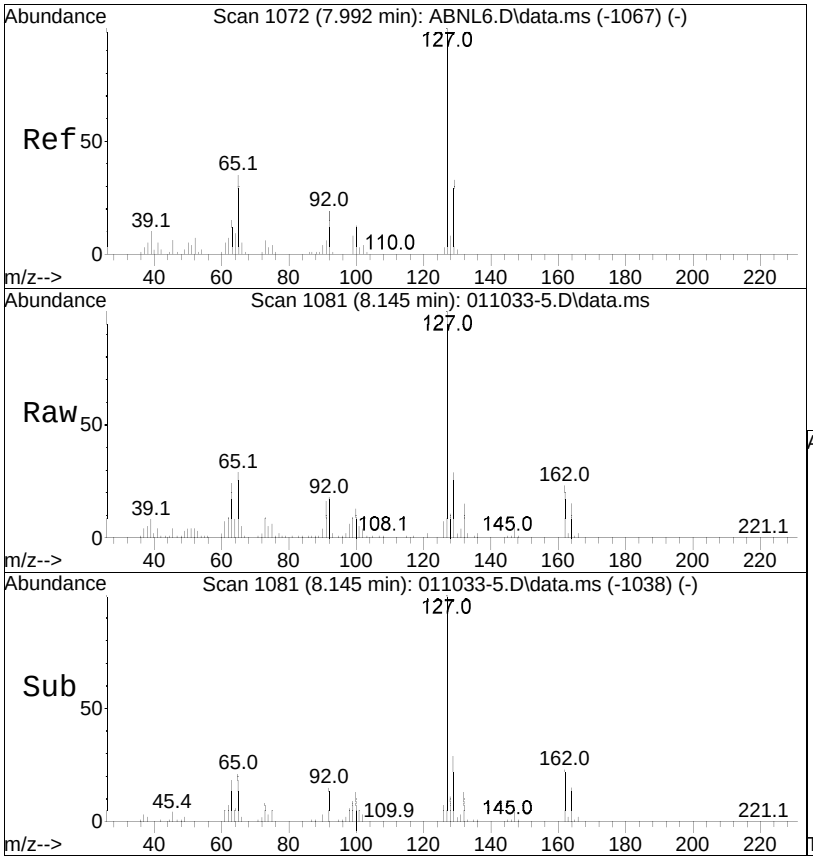


#37
Benzoic Acid
Concen: 2.01 ug/ml
RT: 7.810 min Scan# 1024
Delta R.T. -0.029 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:105 Resp: 10547

Ion	Ratio	Lower	Upper
105	100		
122	64.7	59.9	89.9
77	90.5	60.1	90.1#

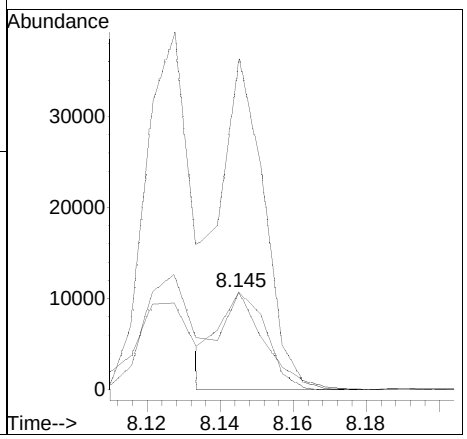


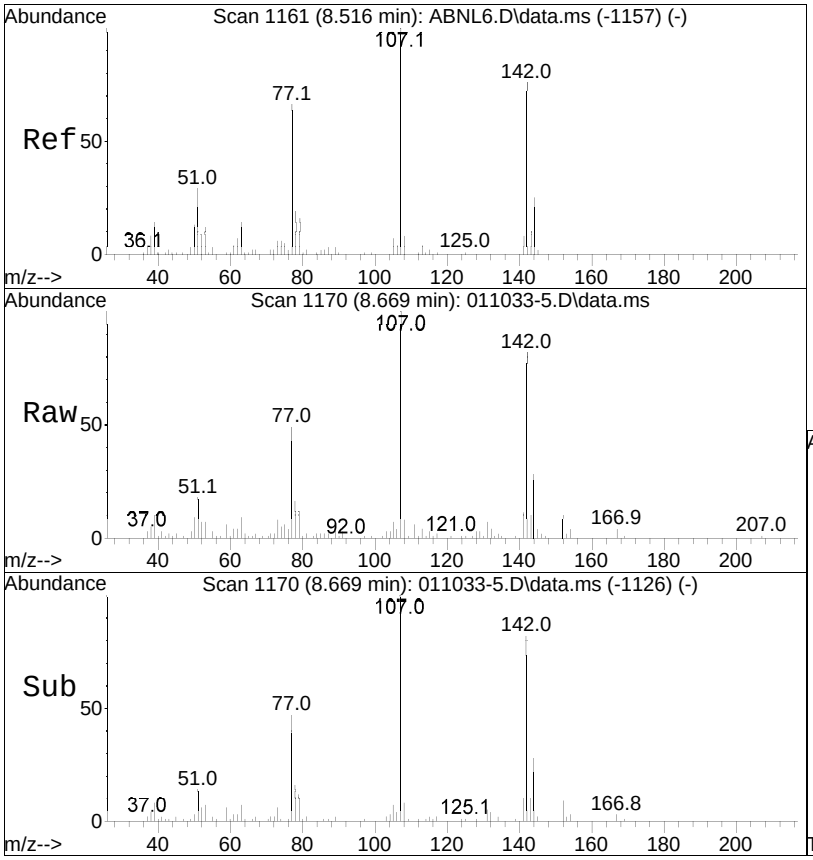


#38
4-Chloroaniline
Concen: 1.46 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 65 Resp: 9330

Ion	Ratio	Lower	Upper
65	100		
127	253.7	237.6	356.4
129	80.0	76.3	114.5

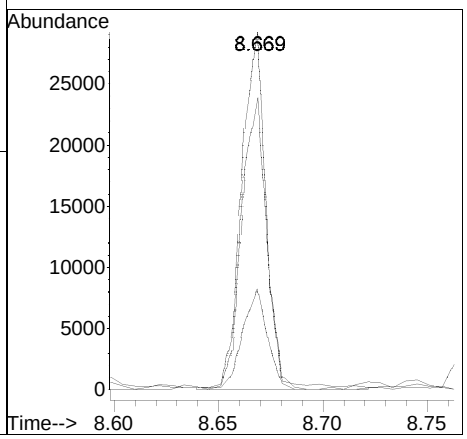


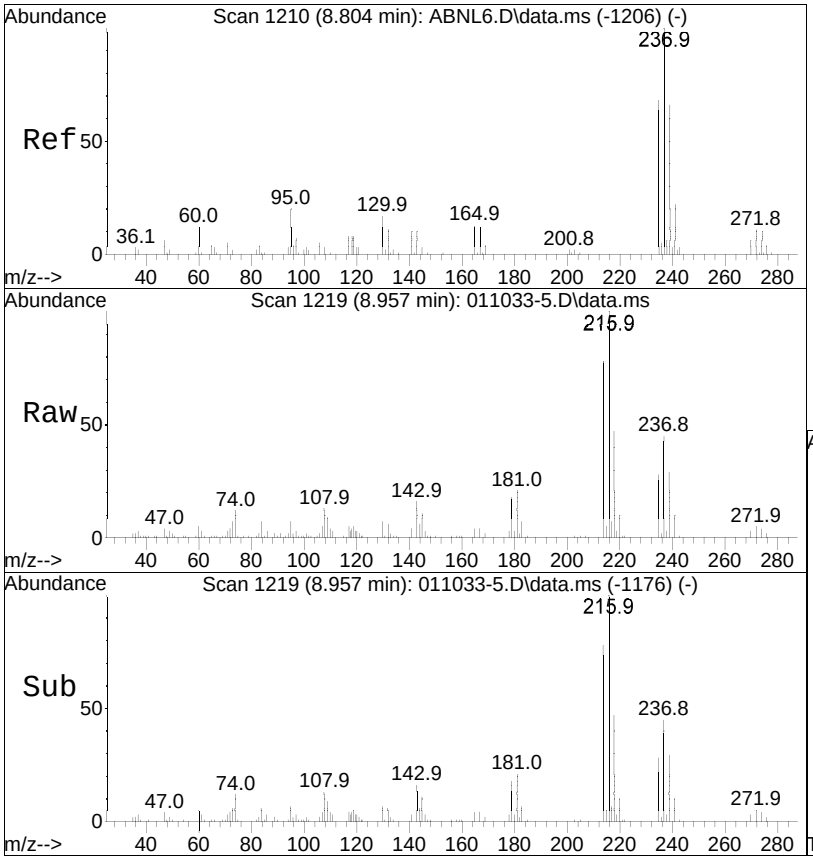


#40
p-Chloro-m-cresol
Concen: 1.59 ug/ml
RT: 8.669 min Scan# 1170
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:107 Resp: 23790

Ion	Ratio	Lower	Upper
107	100		
144	28.4	20.9	31.3
142	82.5	66.1	99.1

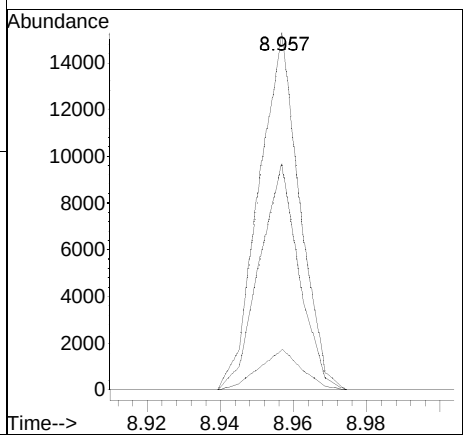


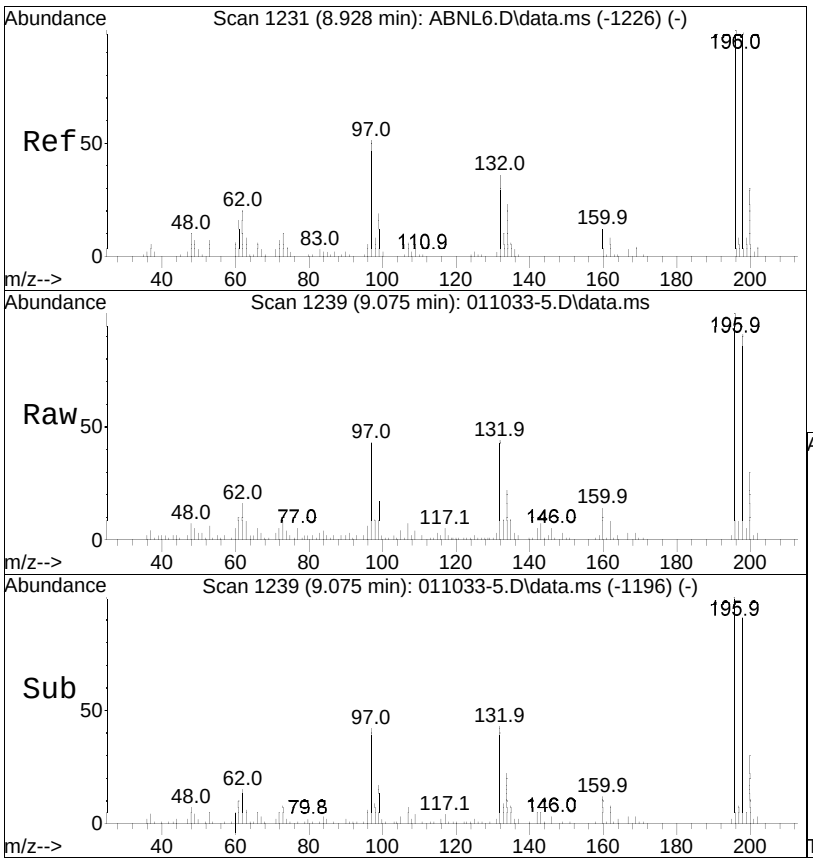


#43
Hexachlorocyclopentadiene
Concen: 0.89 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:237 Resp: 11804

Ion	Ratio	Lower	Upper
237	100		
235	61.6	49.7	74.5
272	12.1	9.8	14.6

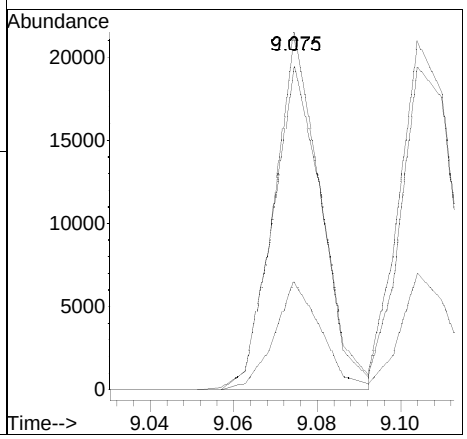


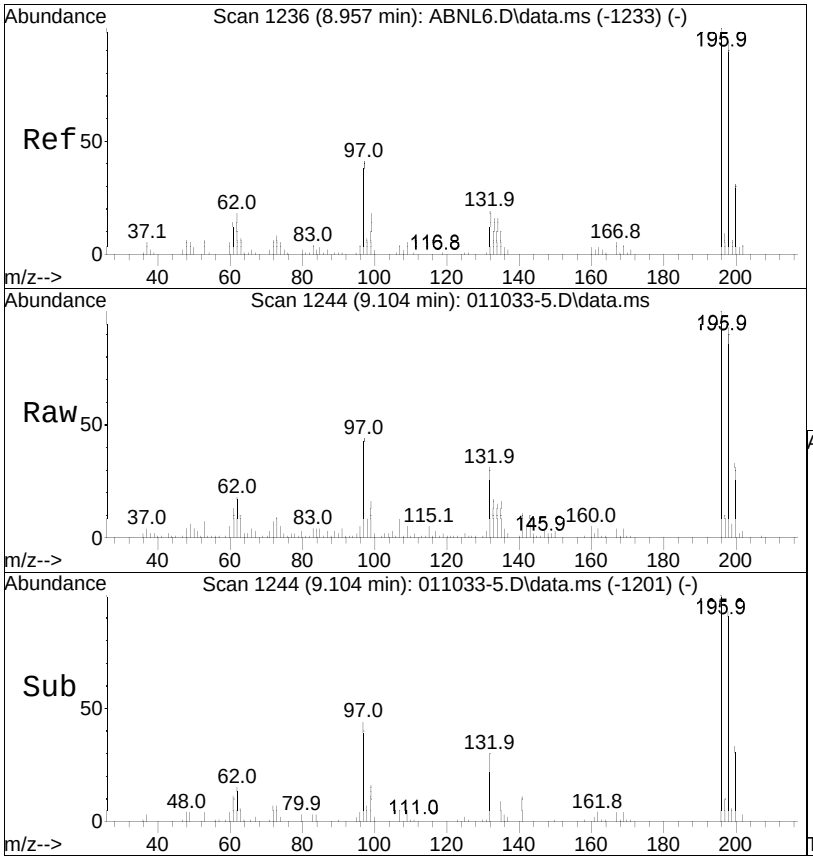


#44
2,4,6-Trichlorophenol
Concen: 1.21 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:196 Resp: 16778

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.5	116.3
200	30.5	23.8	35.6

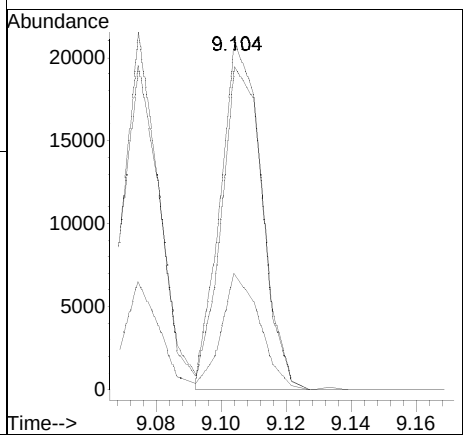


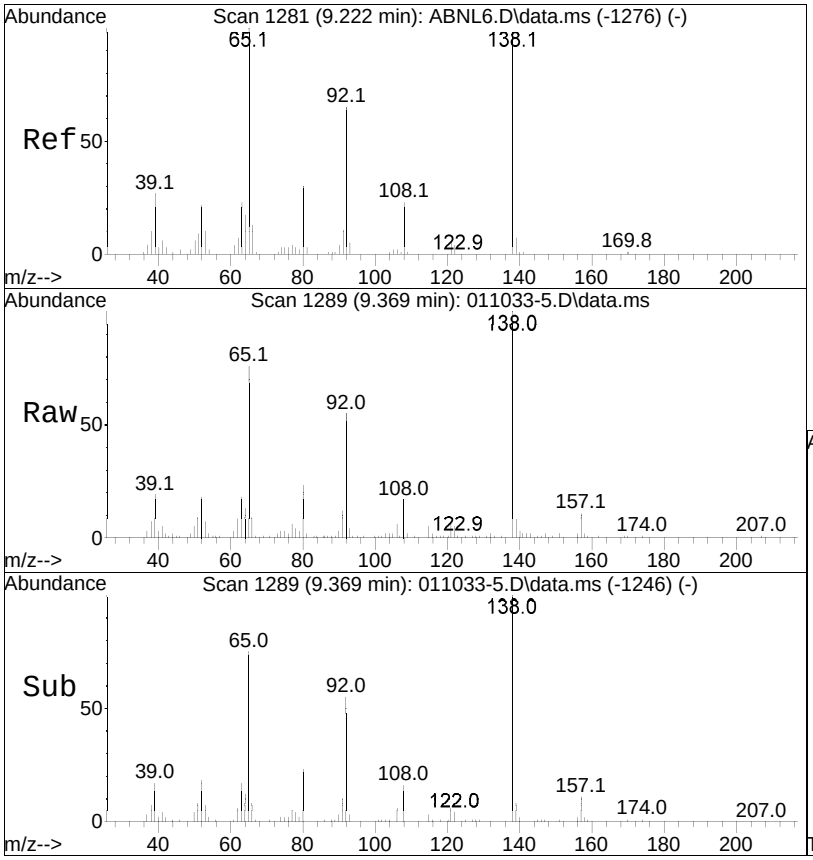


#45
2,4,5-Trichlorophenol
Concen: 1.28 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:196 Resp: 18450

Ion	Ratio	Lower	Upper
196	100		
200	31.0	25.4	38.0
198	91.9	78.0	117.0

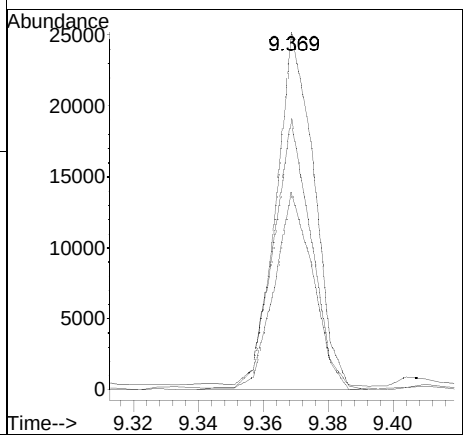


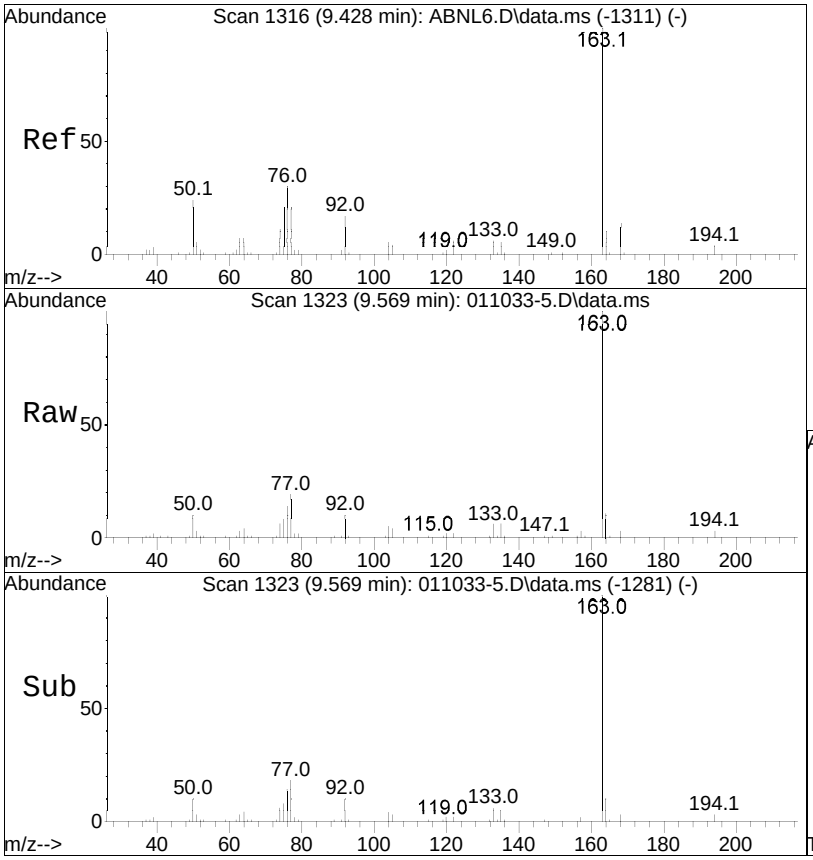


#48
2-Nitroaniline
Concen: 1.82 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:138 Resp: 20503

Ion	Ratio	Lower	Upper
138	100		
92	55.9	53.5	80.3
65	74.0	86.3	129.5#

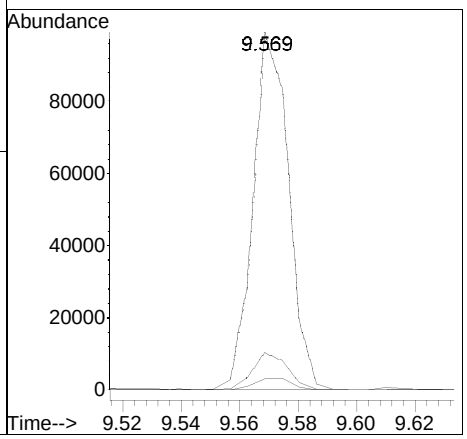


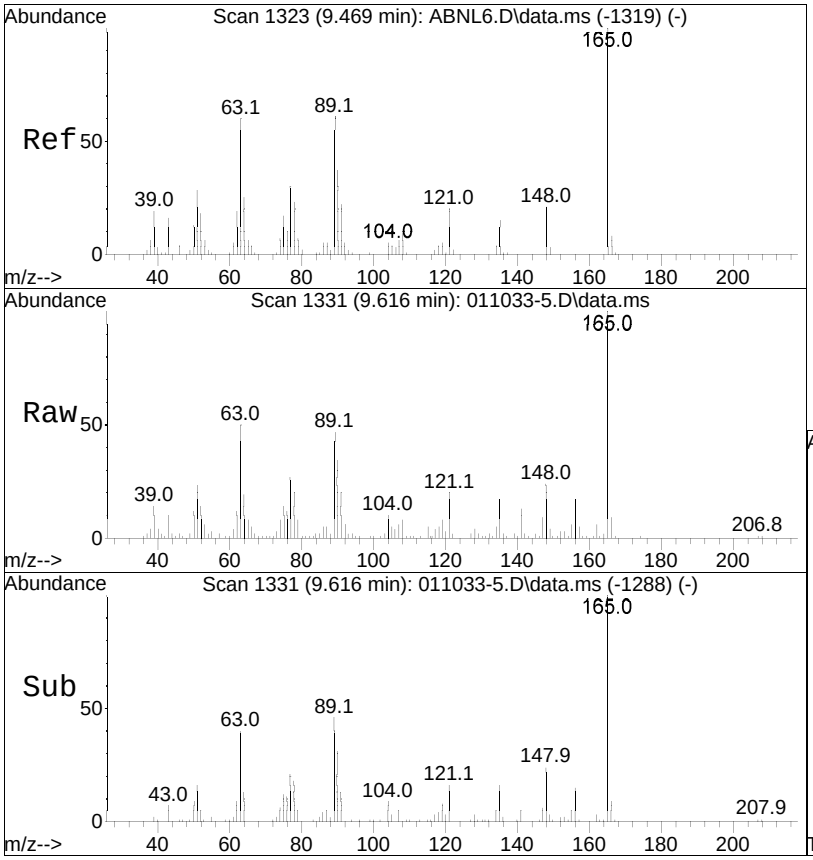


#51
Dimethyl phthalate
Concen: 1.79 ug/ml
RT: 9.569 min Scan# 1323
Delta R.T. -0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:163 Resp: 82855

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.5	7.9	11.9

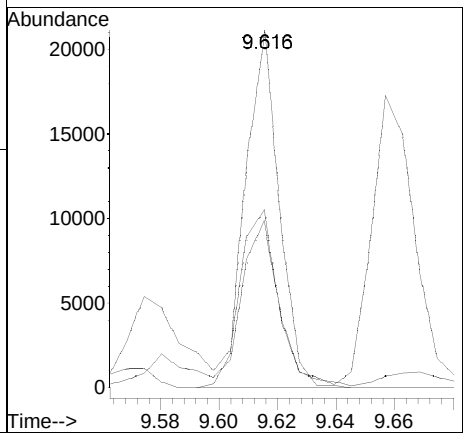


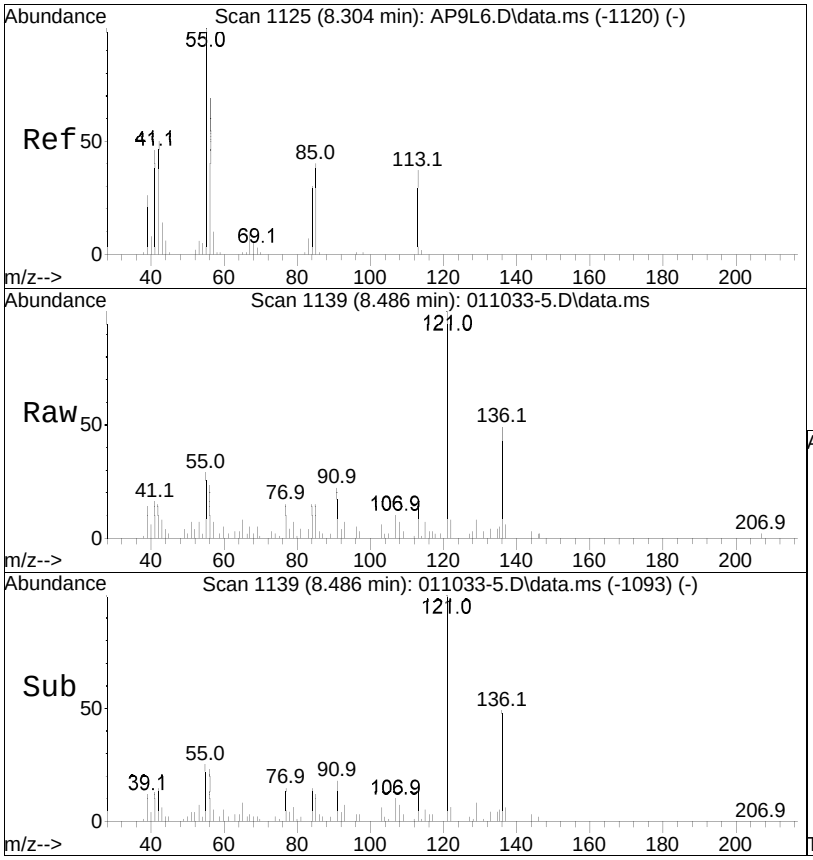


#53
2,6-Dinitrotoluene
Concen: 1.81 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:165 Resp: 16948

Ion	Ratio	Lower	Upper
165	100		
89	52.2	54.2	81.2#
63	54.5	64.2	96.2#

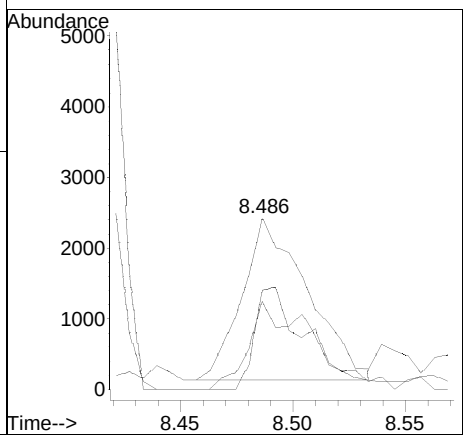


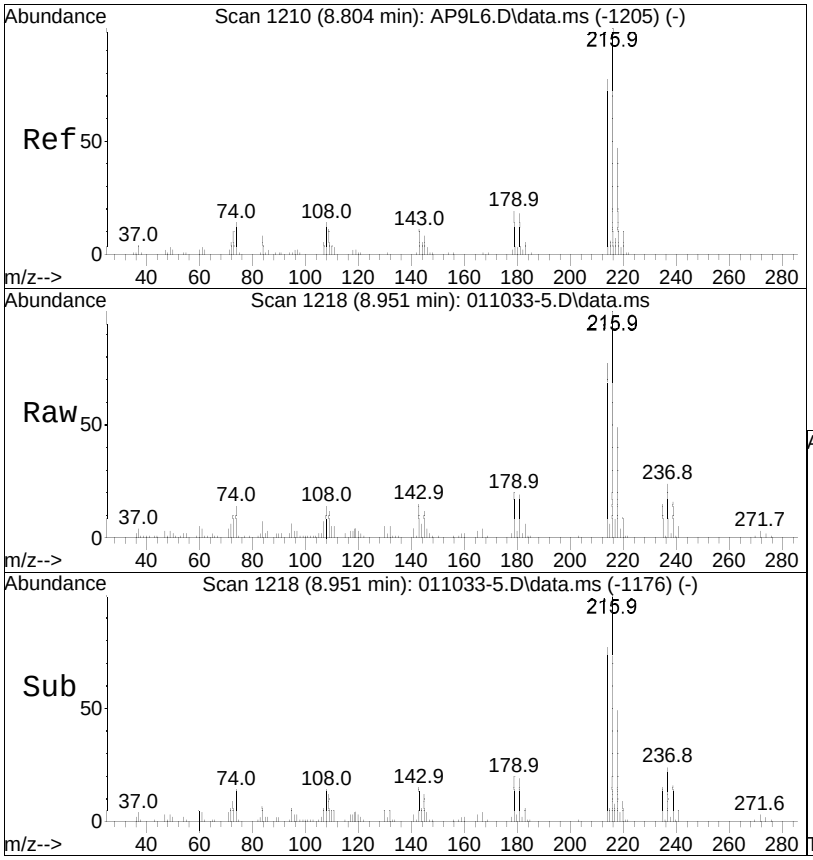


#60
Caprolactam
Concen: 0.63 ug/ml
RT: 8.486 min Scan# 1139
Delta R.T. 0.023 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 55 Resp: 4687

Ion	Ratio	Lower	Upper
55	100		
85	51.9	19.8	29.6#
113	52.0	29.6	44.4#

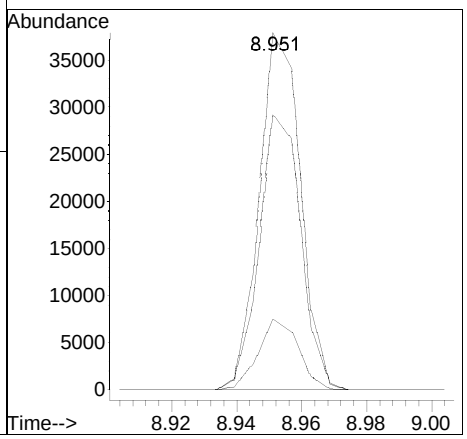


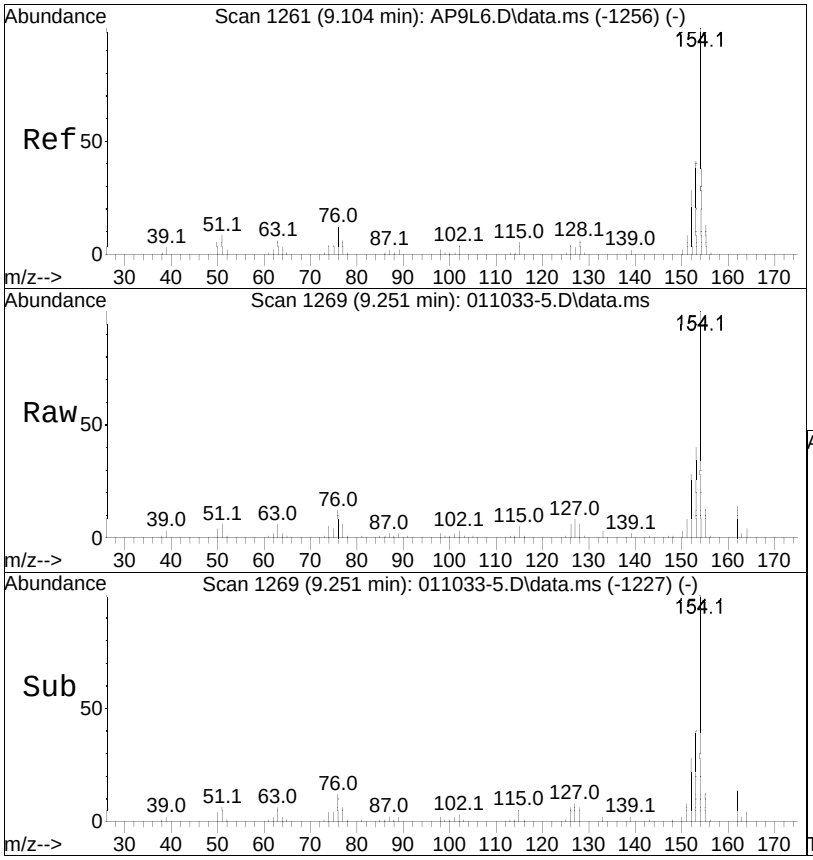


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.65 ug/ml
RT: 8.951 min Scan# 1218
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:216 Resp: 33394

Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.7	95.5
179	19.5	19.0	28.6

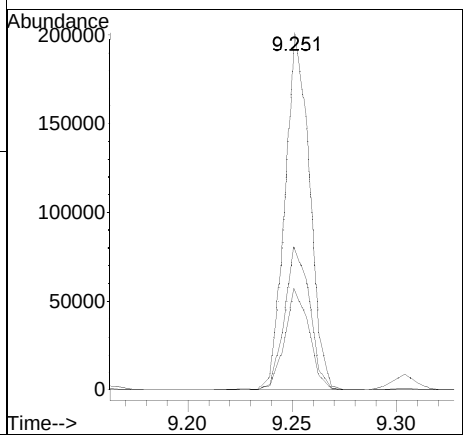


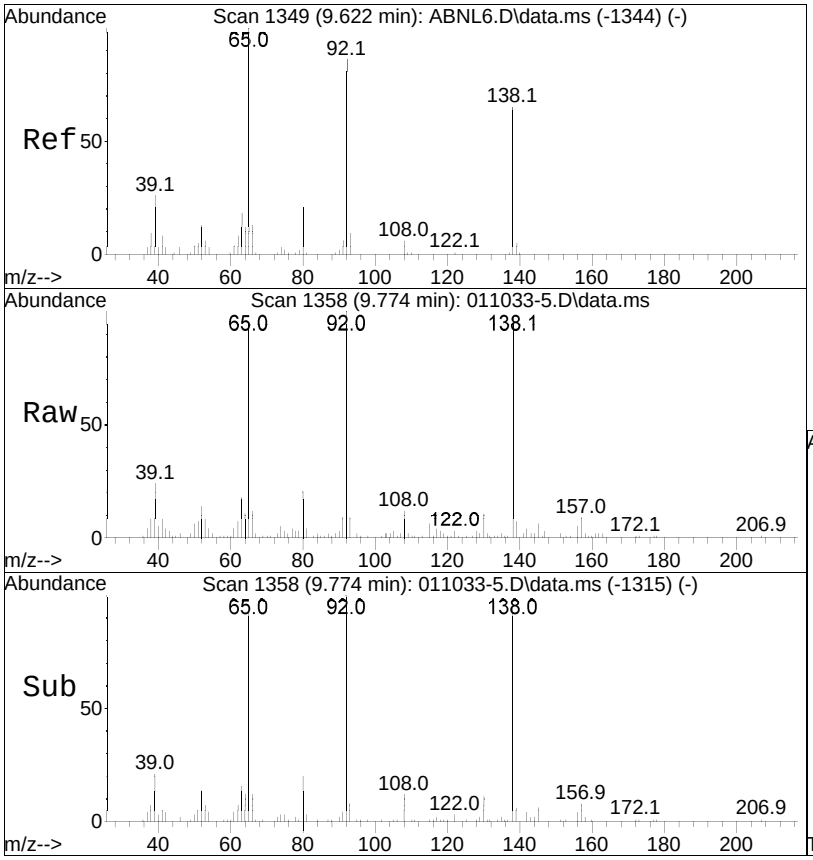


#62
Biphenyl
Concen: 3.58 ug/ml
RT: 9.251 min Scan# 1269
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:154 Resp: 164093

Ion	Ratio	Lower	Upper
154	100		
153	40.9	32.3	48.5
152	28.1	22.5	33.7

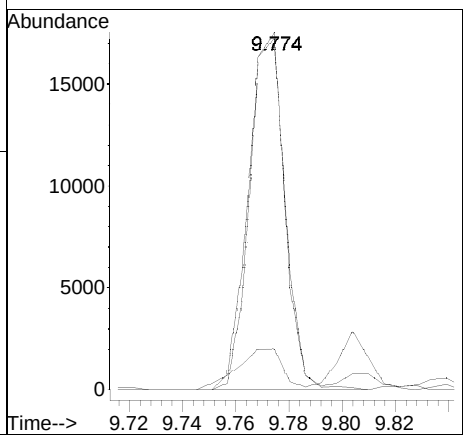


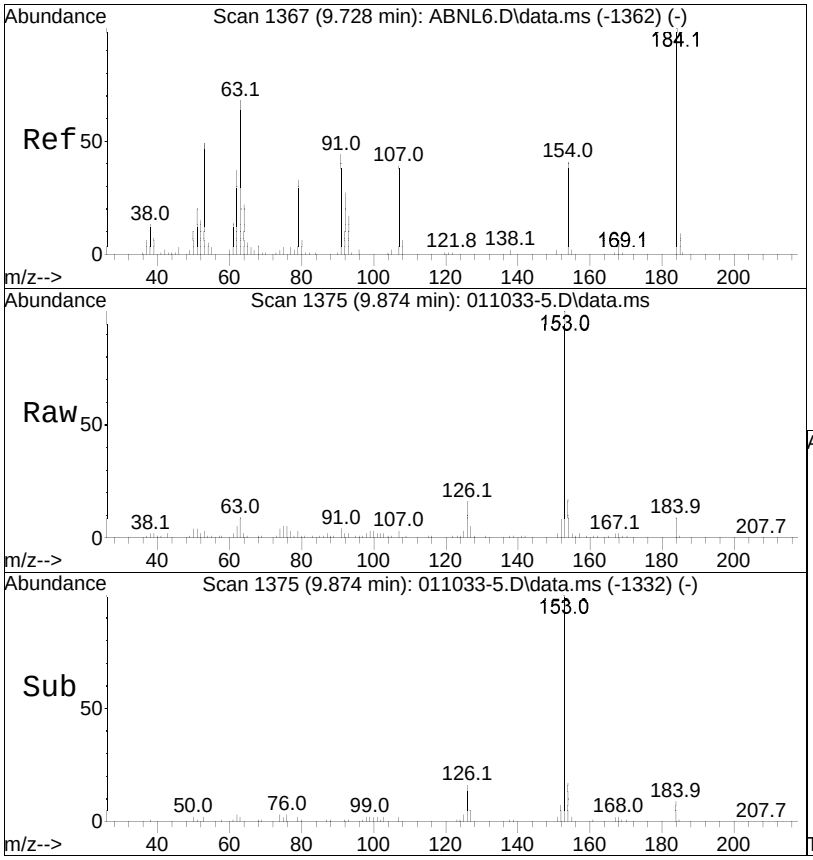


#64
3-Nitroaniline
Concen: 1.66 ug/ml
RT: 9.774 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:138 Resp: 15885

Ion	Ratio	Lower	Upper
138	100		
92	103.0	93.4	140.2
108	15.4	9.5	14.3#

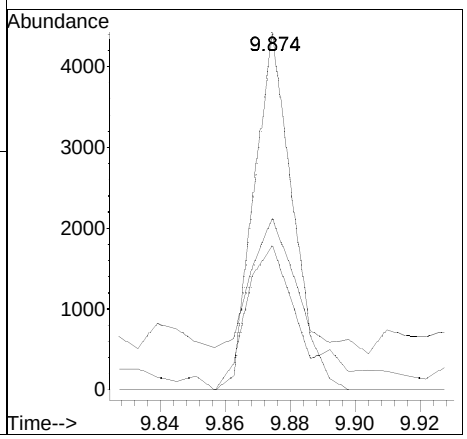


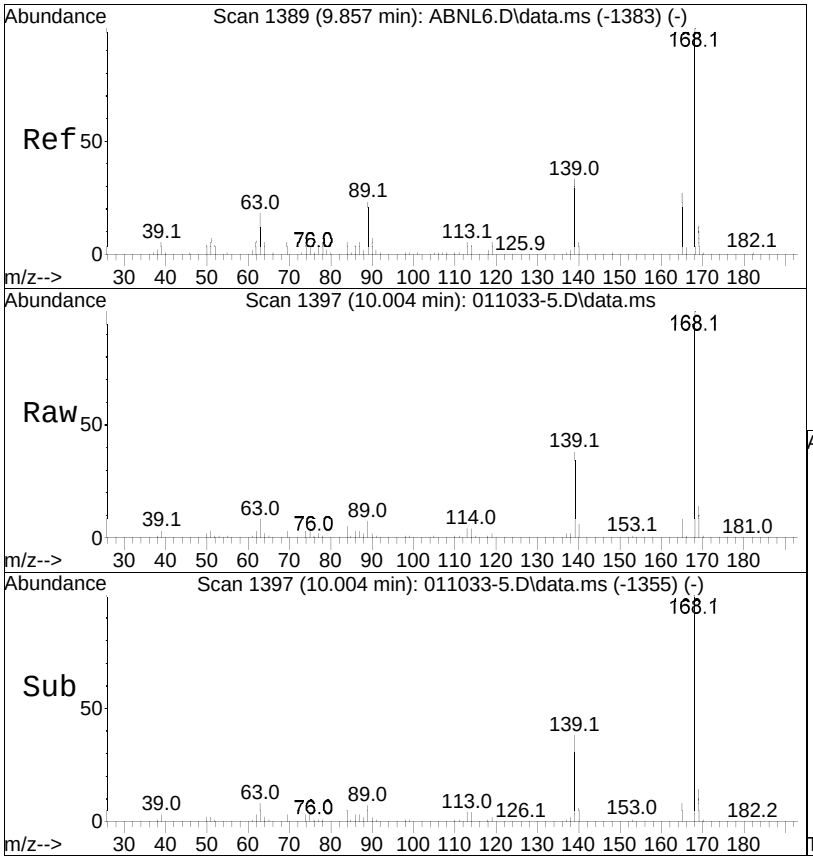


#66
2,4-Dinitrophenol
Concen: 1.67 ug/ml
RT: 9.874 min Scan# 1375
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:184 Resp: 3611

Ion	Ratio	Lower	Upper
184	100		
107	63.8	37.7	56.5#
91	45.8	46.3	69.5#

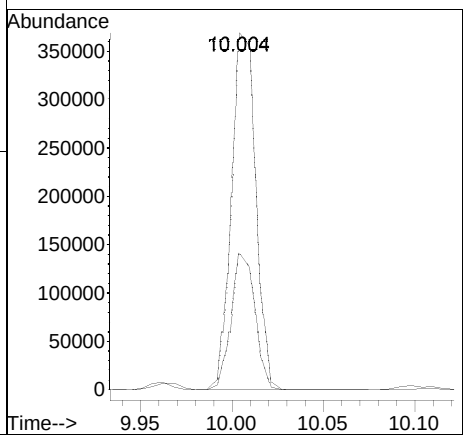


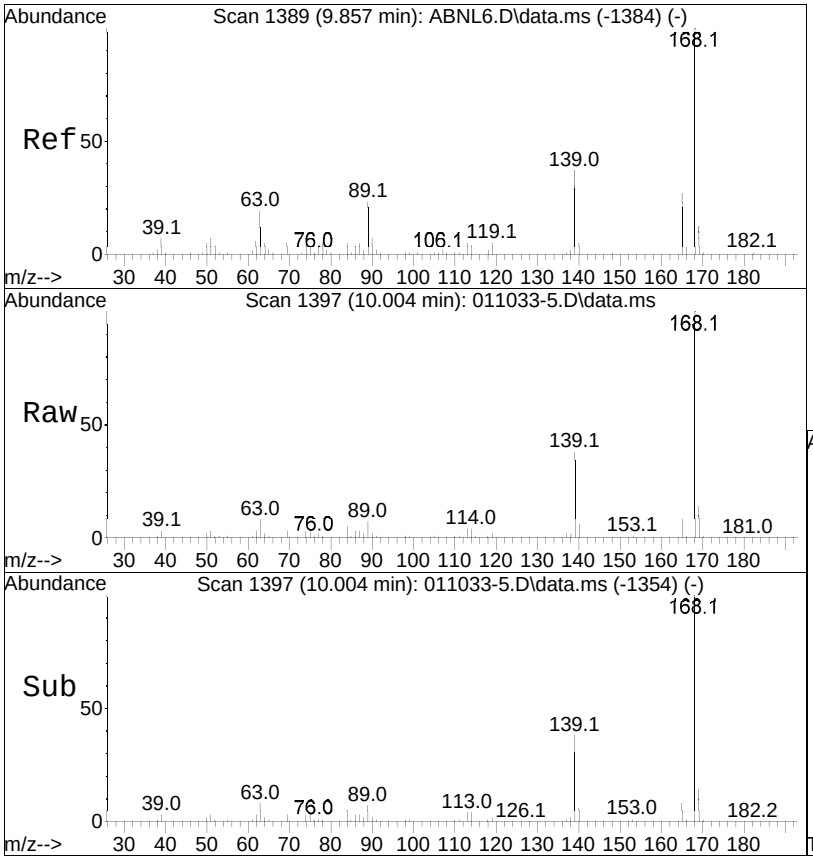


#67
Dibenzofuran
Concen: 6.11 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. -0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:168 Resp: 338358

Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.4	47.2

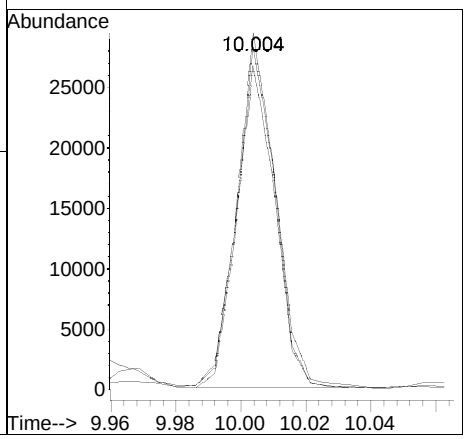


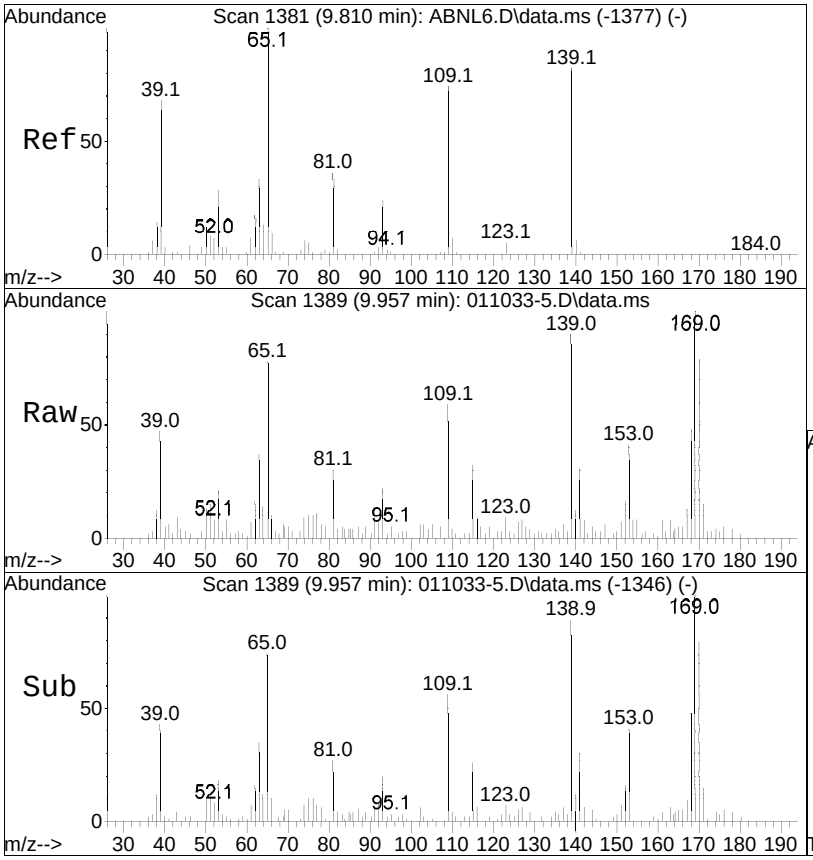


#68
2,4-Dinitrotoluene
Concen: 1.81 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:165 Resp: 22441

Ion	Ratio	Lower	Upper
165	100		
89	98.2	72.0	108.0
63	106.8	52.7	79.1#

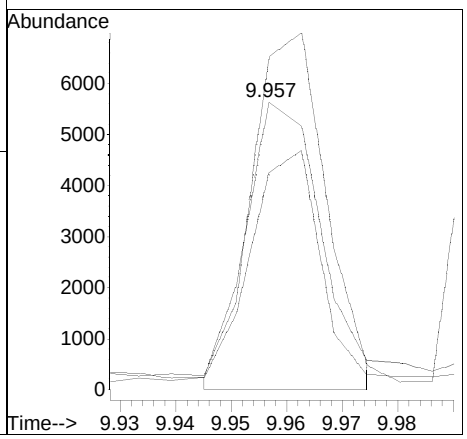


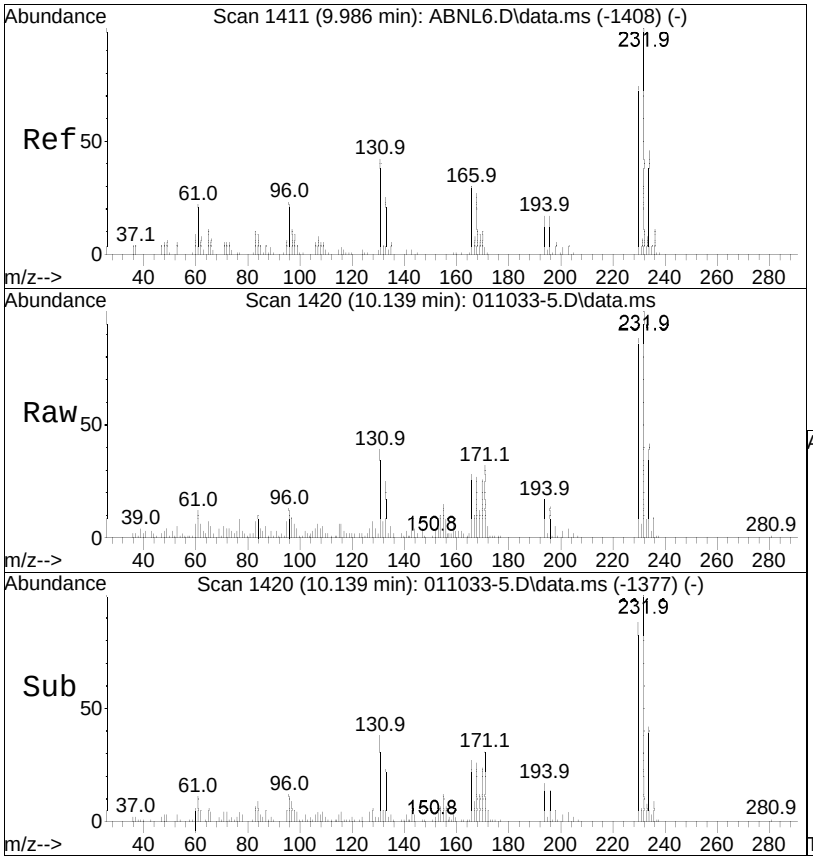


#69
4-Nitrophenol
Concen: 0.76 ug/ml M3
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 65 Resp: 5363

Ion	Ratio	Lower	Upper
65	100		
109	16.3	47.4	71.2#
139	26.9	76.6	115.0#

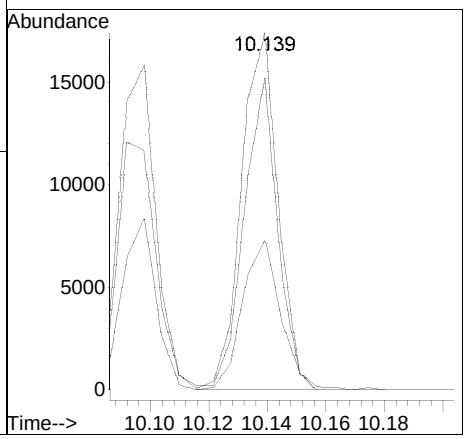


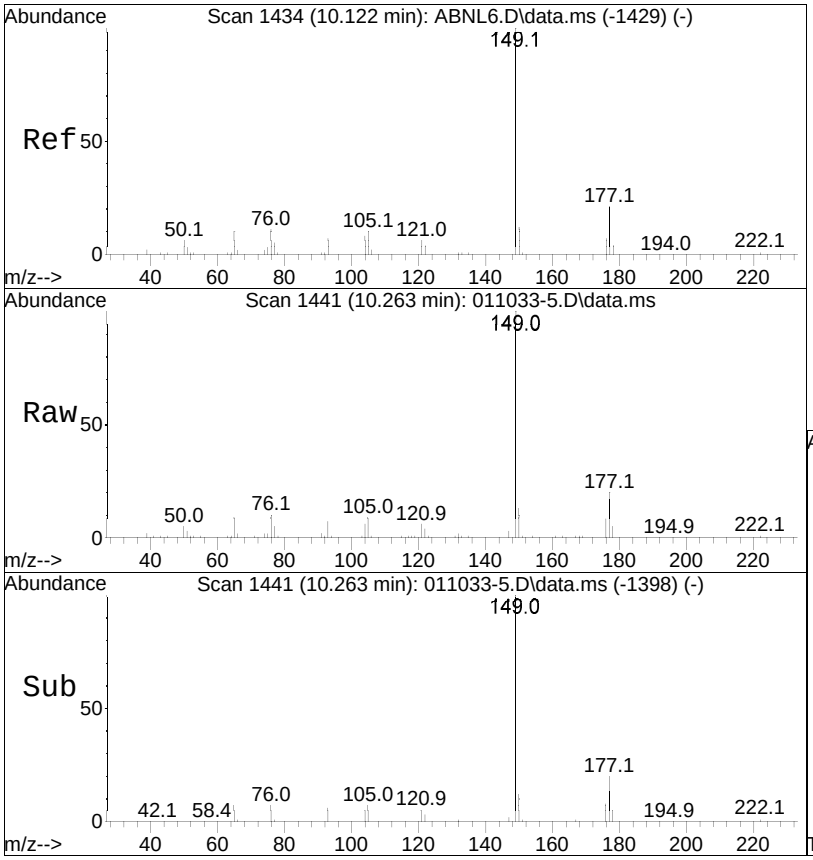


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.33 ug/ml
RT: 10.139 min Scan# 1420
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:232 Resp: 15196

Ion	Ratio	Lower	Upper
232	100		
230	79.9	61.8	92.8
234	43.1	36.2	54.2

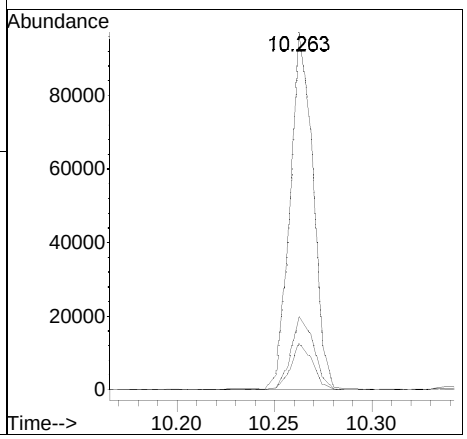


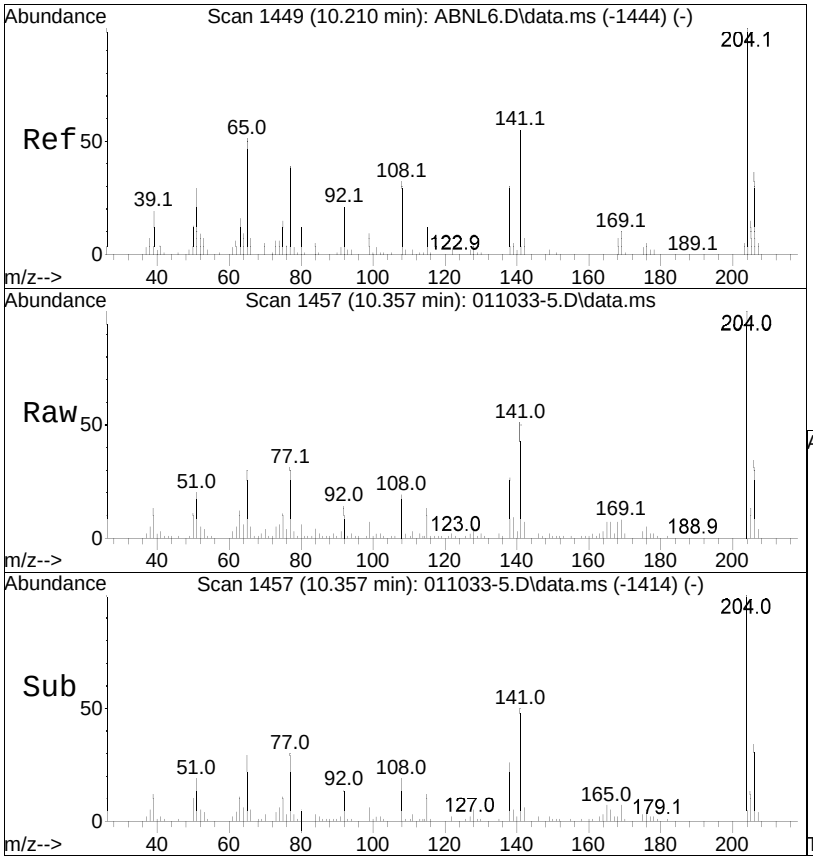


#72
Diethyl phthalate
Concen: 1.76 ug/ml
RT: 10.263 min Scan# 1441
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:149 Resp: 78992

Ion	Ratio	Lower	Upper
149	100		
177	20.4	16.1	24.1
150	12.7	9.4	14.2

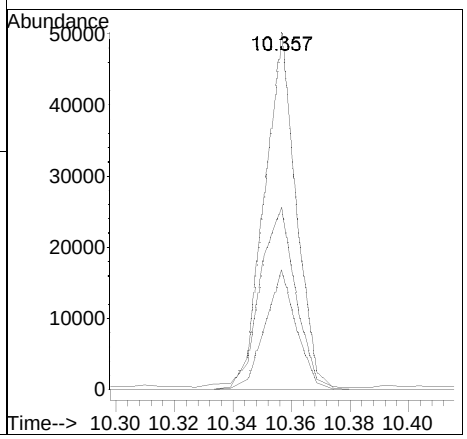


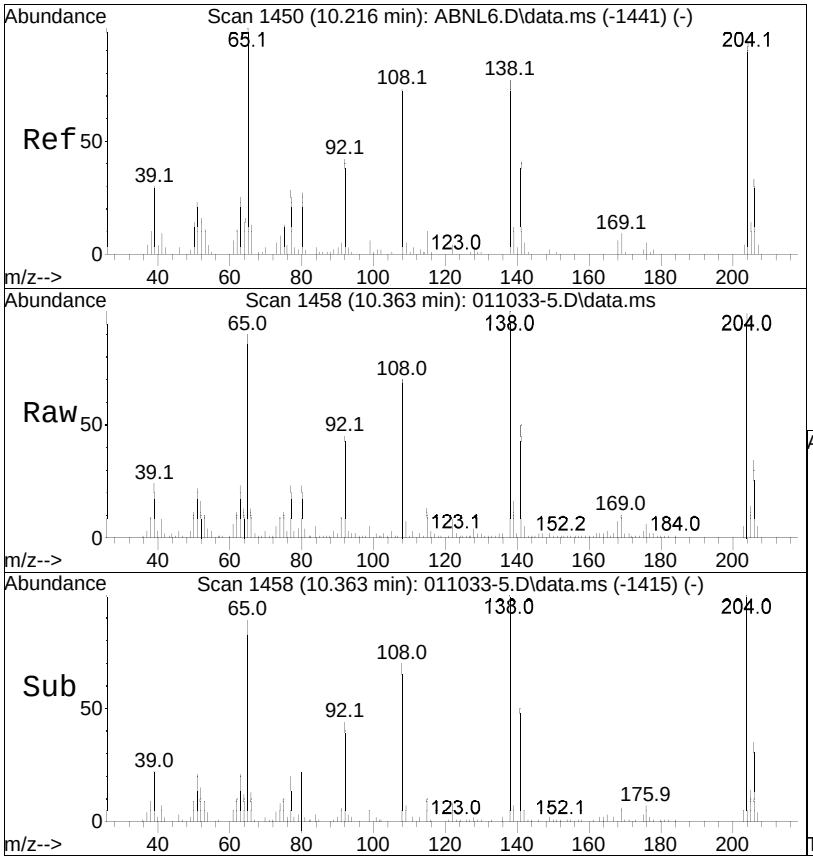


#74
4-Chlorophenyl phenyl ether
Concen: 1.69 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:204 Resp: 37442

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.6
141	57.2	53.6	80.4

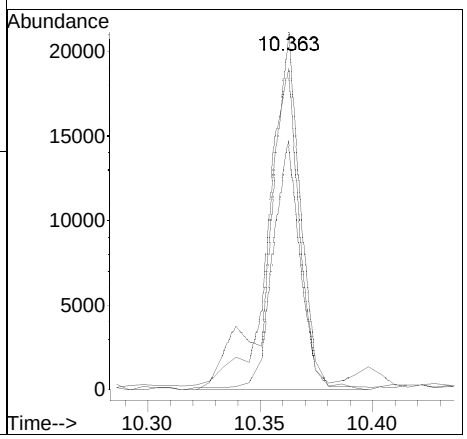


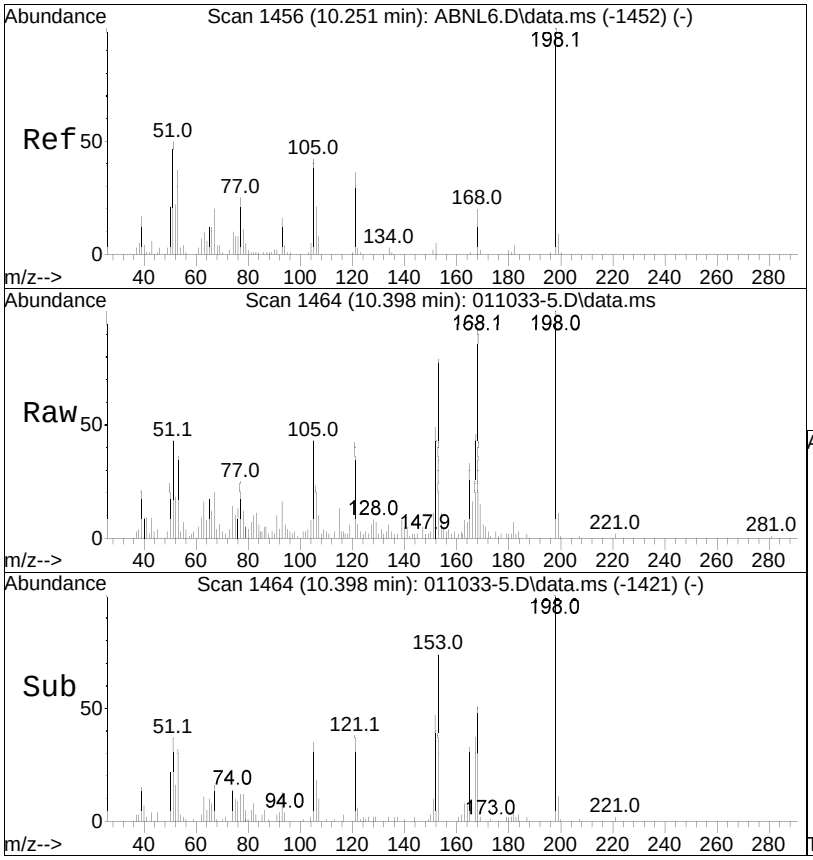


#75
4-Nitroaniline
Concen: 2.11 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:138 Resp: 20477

Ion	Ratio	Lower	Upper
138	100		
108	61.4	52.1	78.1
65	87.6	115.0	172.6#

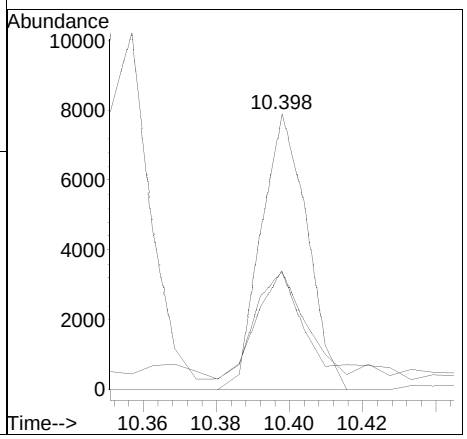


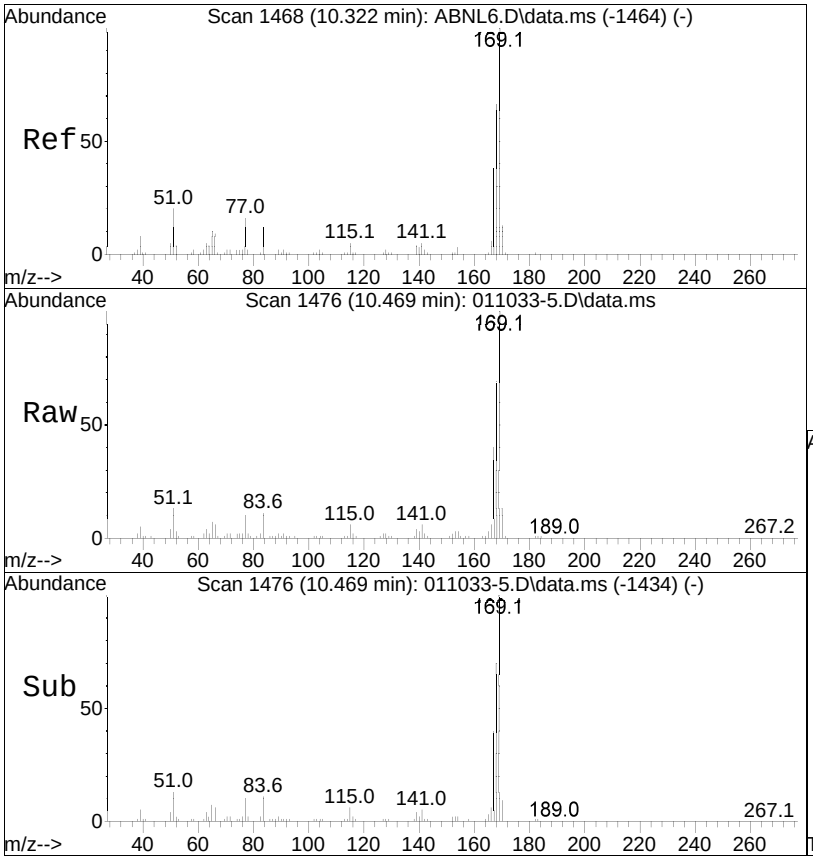


#76
4,6-Dinitro-o-cresol
Concen: 1.11 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:198 Resp: 6899

Ion	Ratio	Lower	Upper
198	100		
51	45.8	76.0	114.0#
105	47.7	45.6	68.4

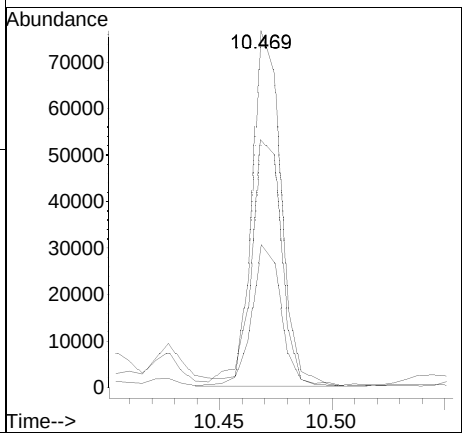


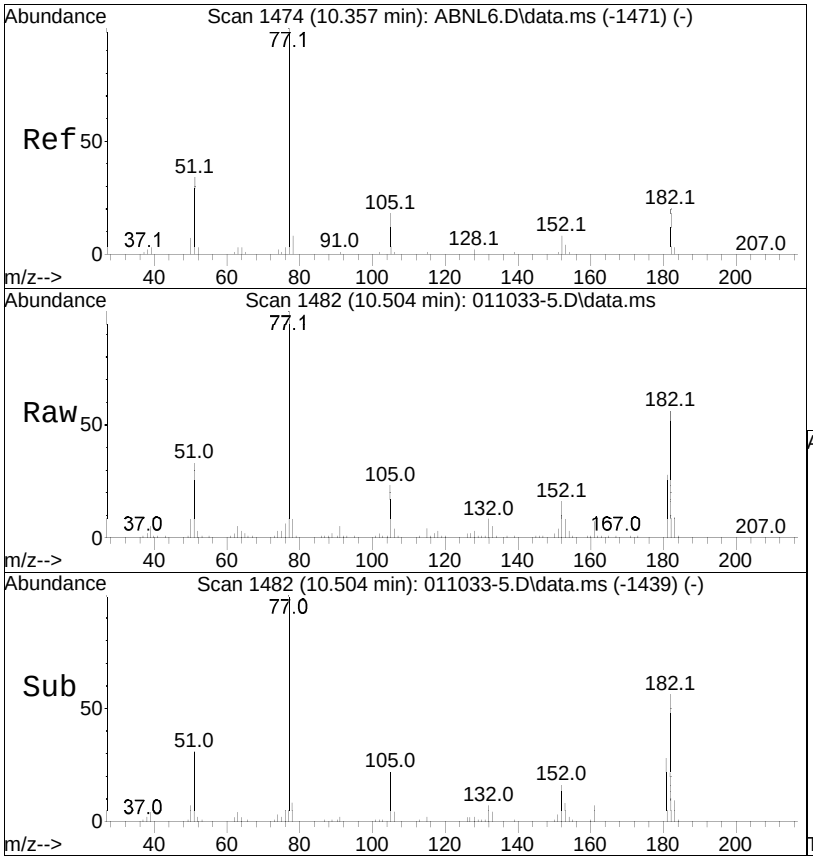


#77
NDPA/DPA
Concen: 1.83 ug/ml
RT: 10.469 min Scan# 1476
Delta R.T. -0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:169 Resp: 68296

Ion	Ratio	Lower	Upper
169	100		
168	73.3	54.0	81.0
167	41.6	28.6	42.8

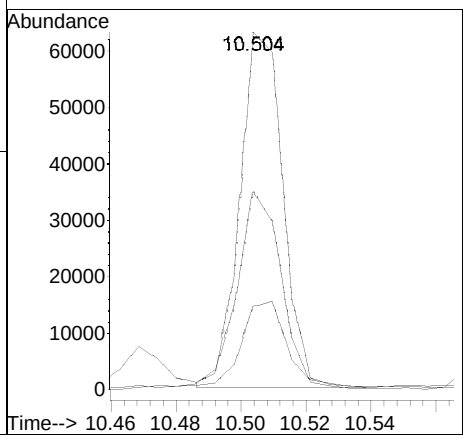


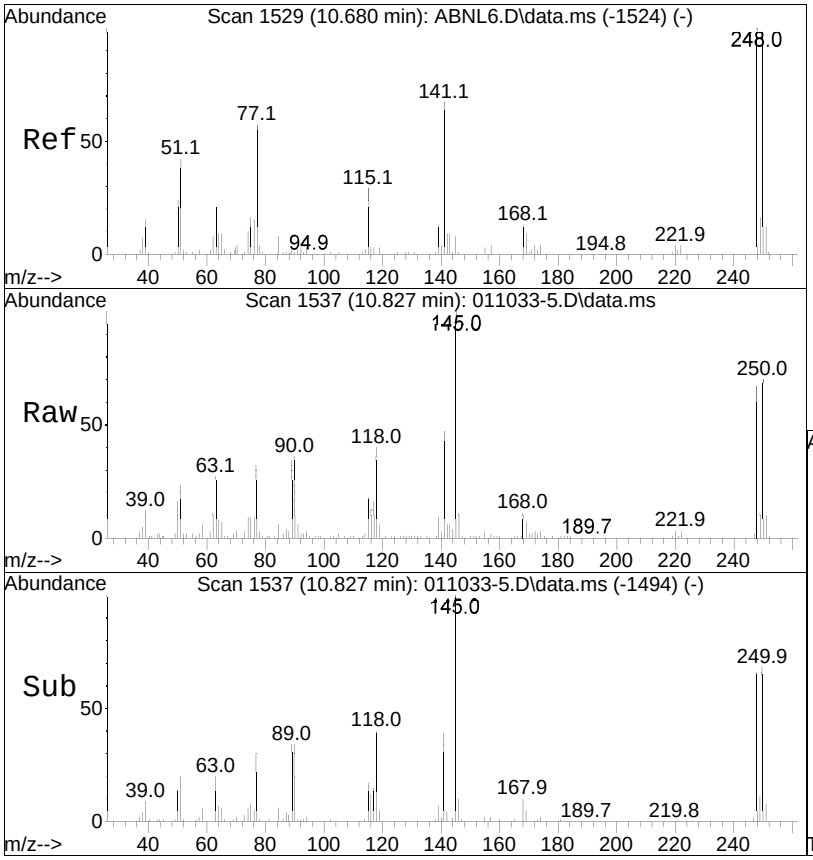


#78
Azobenzene
Concen: 1.58 ug/ml
RT: 10.504 min Scan# 1482
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion: 77 Resp: 57432

Ion	Ratio	Lower	Upper
77	100		
182	60.1	17.4	26.2#
105	26.3	15.4	23.2#

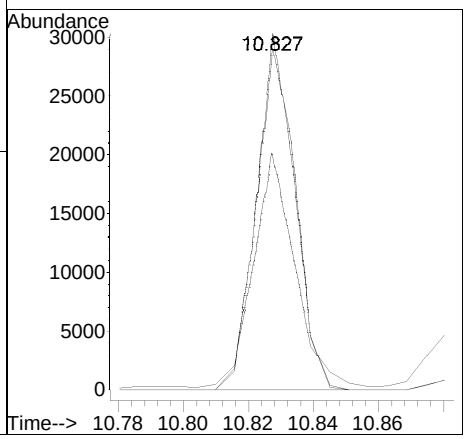


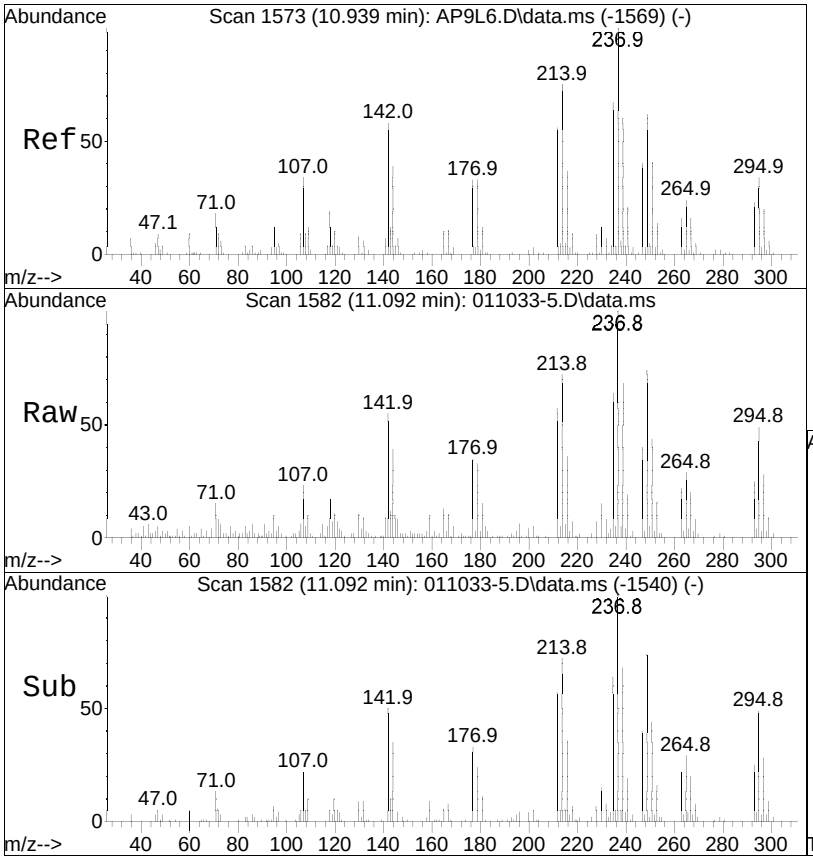


#80
4-Bromophenyl phenyl ether
Concen: 1.77 ug/ml
RT: 10.827 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:248 Resp: 24329

Ion	Ratio	Lower	Upper
248	100		
141	73.0	76.6	114.8#
250	100.8	77.3	115.9

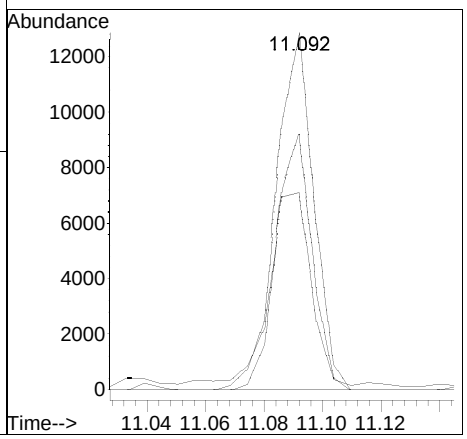


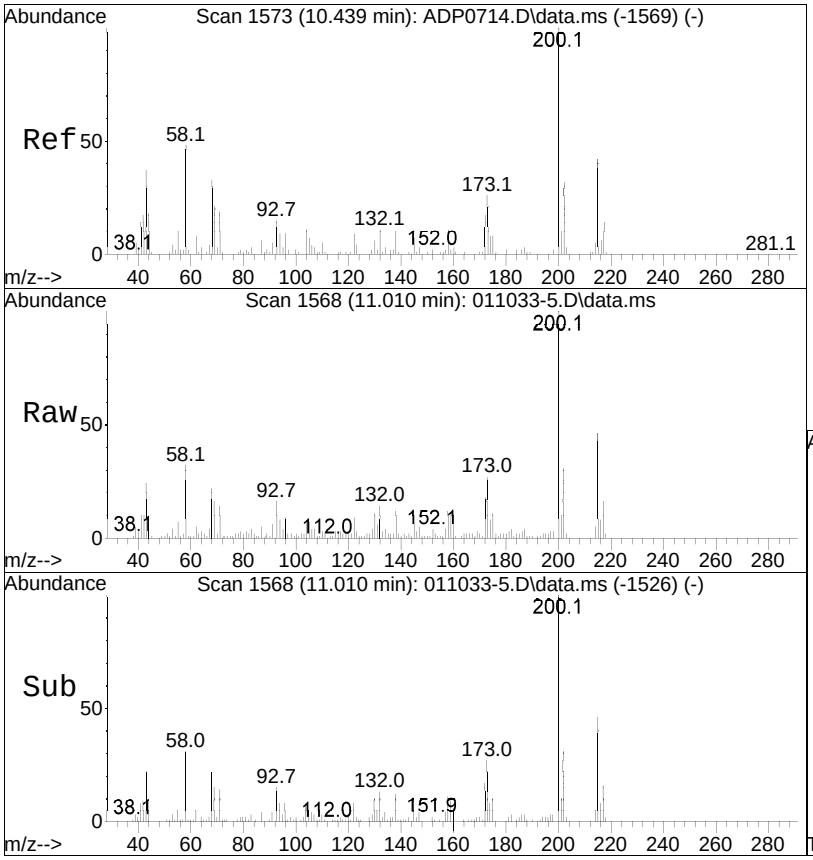


#85
Pentachloronitrobenzene
Concen: 2.02 ug/ml
RT: 11.092 min Scan# 1582
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:237 Resp: 11539

Ion	Ratio	Lower	Upper
237	100		
142	62.9	77.0	115.4#
214	68.1	58.2	87.4

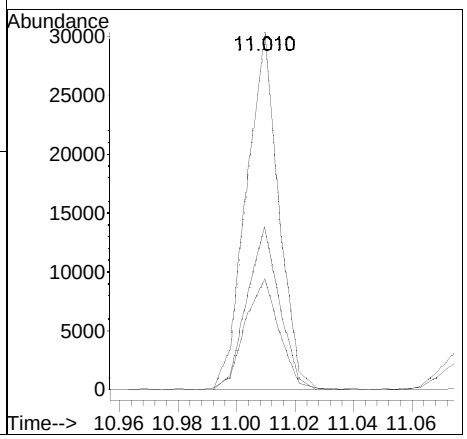


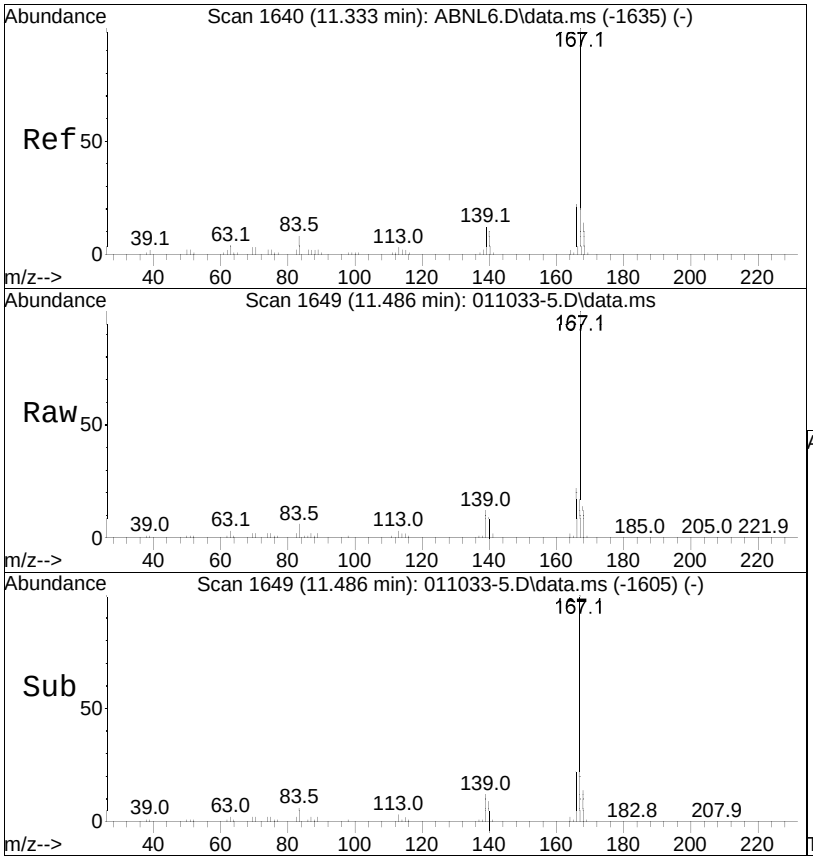


#87
Atrazine
Concen: 1.89 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:200 Resp: 23179

Ion	Ratio	Lower	Upper
200	100		
202	33.5	25.8	38.6
215	45.9	40.2	60.4

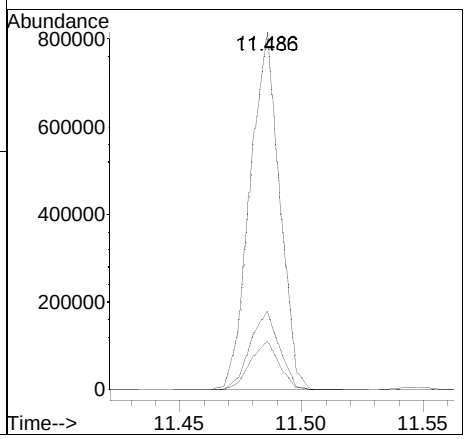


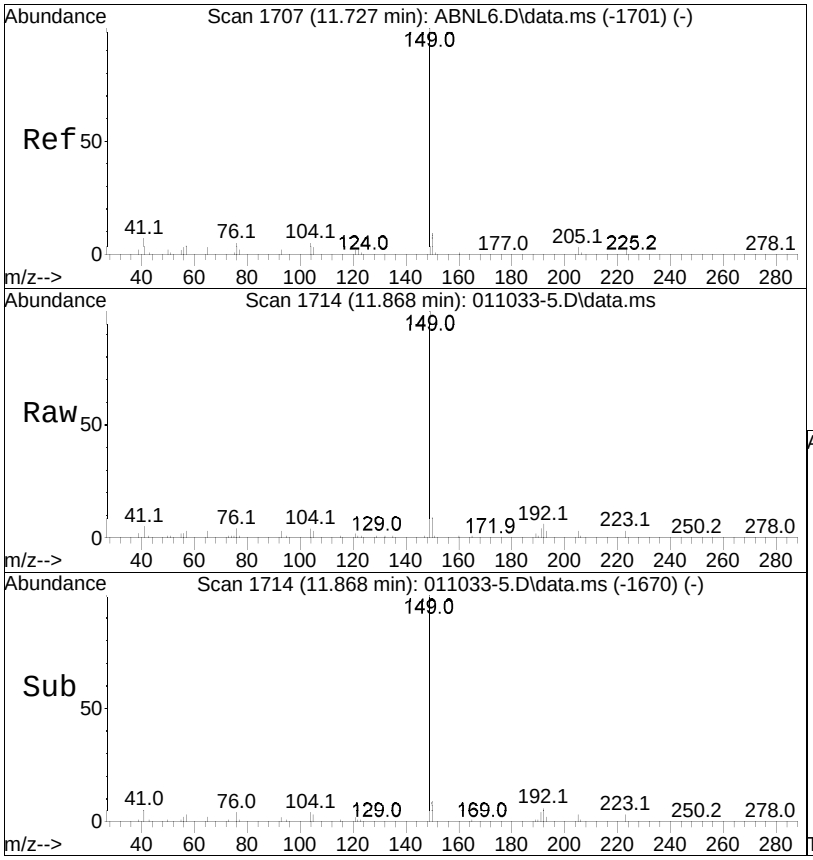


#91
Carbazole
Concen: 11.95 ug/ml
RT: 11.486 min Scan# 1649
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:167 Resp: 684178

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	15.8
166	21.9	17.4	26.0

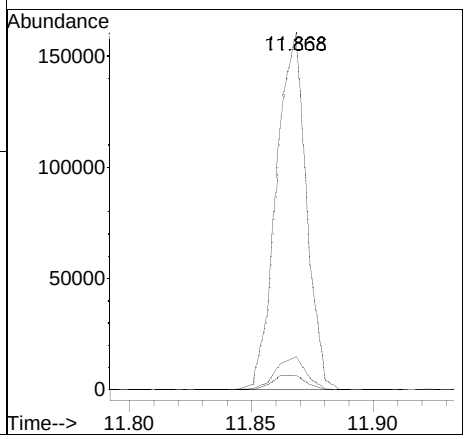


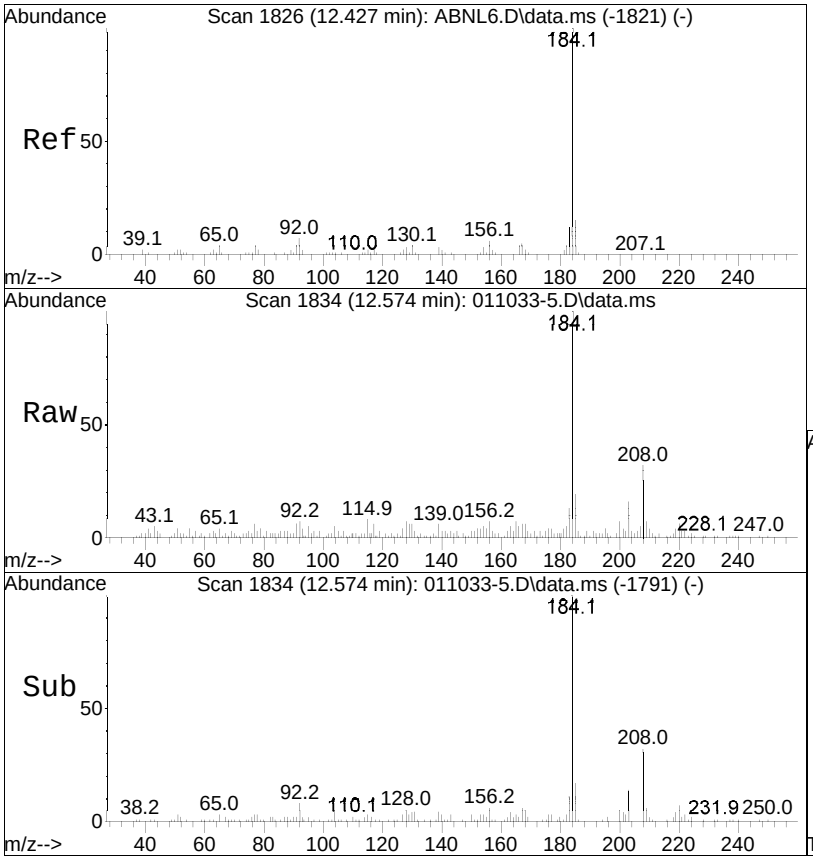


#92
Di-n-butylphthalate
Concen: 1.89 ug/ml
RT: 11.868 min Scan# 1714
Delta R.T. 0.006 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:149 Resp: 135352

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.0	10.6
104	4.7	4.5	6.7

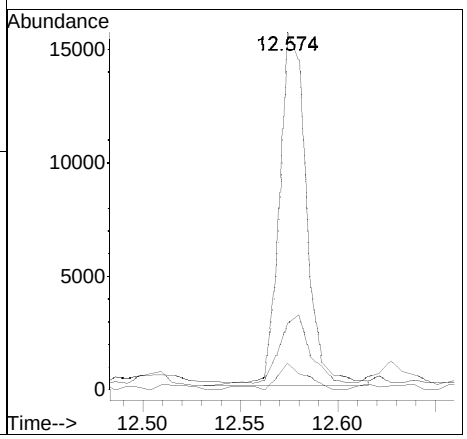


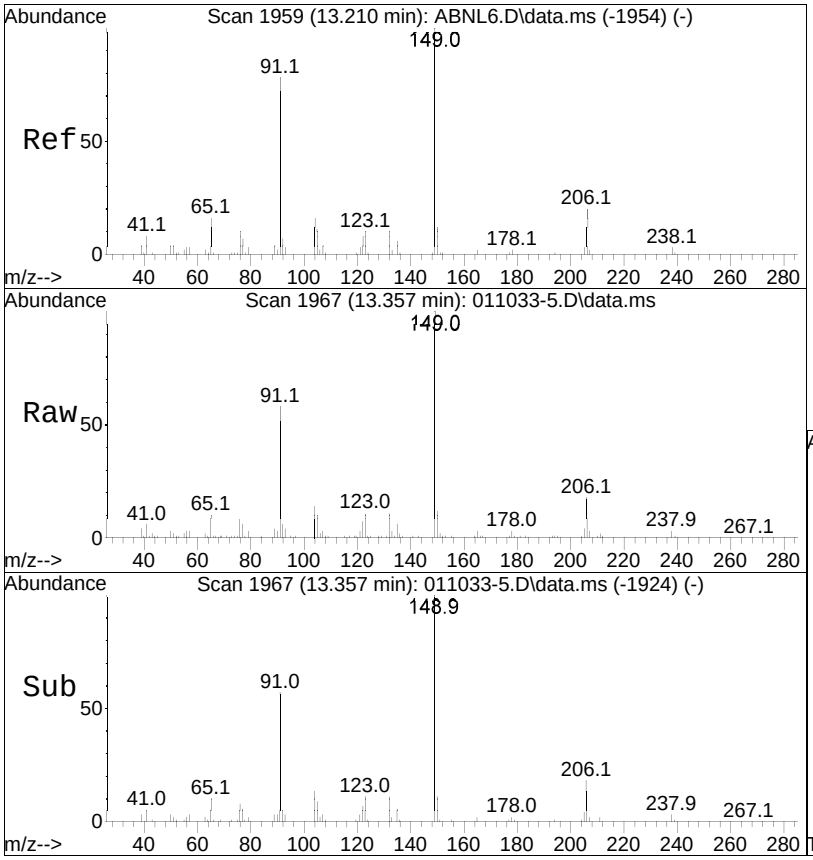


#94
Benzidine
Concen: 0.35 ug/ml
RT: 12.574 min Scan# 1834
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:184 Resp: 14893

Ion	Ratio	Lower	Upper
184	100		
92	8.6	9.1	13.7#
185	23.5	11.1	16.7#

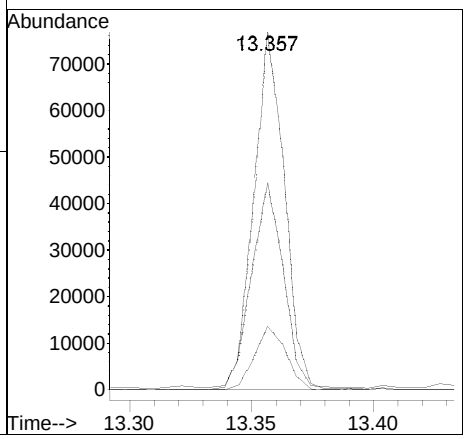


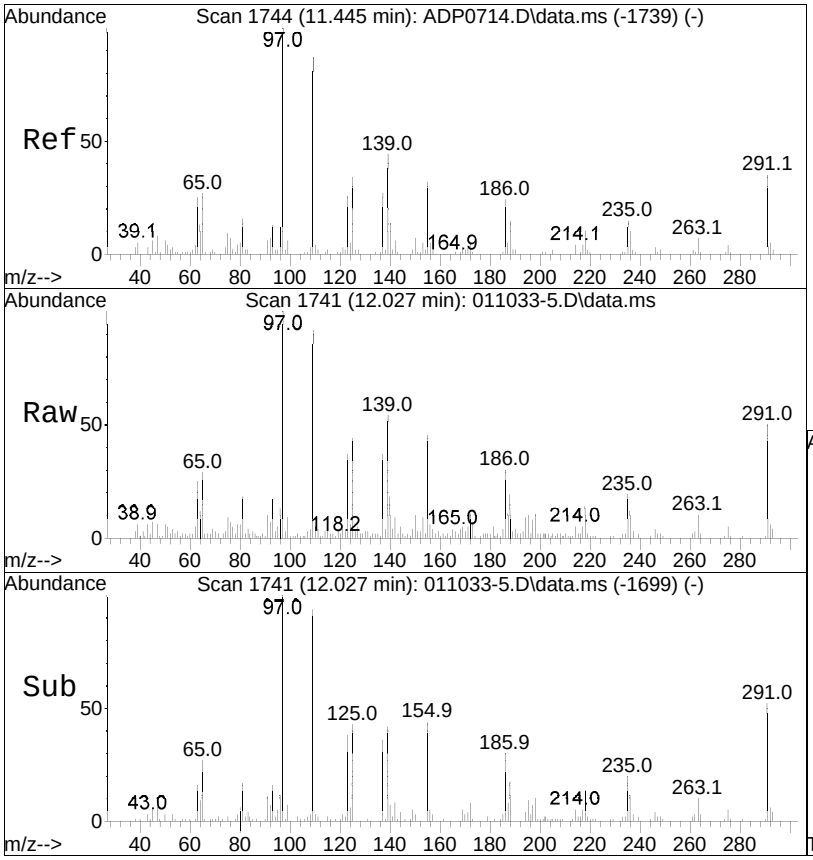


#97
Butyl benzyl phthalate
Concen: 2.19 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:149 Resp: 66037

Ion	Ratio	Lower	Upper
149	100		
91	59.1	63.3	94.9#
206	19.0	13.9	20.9

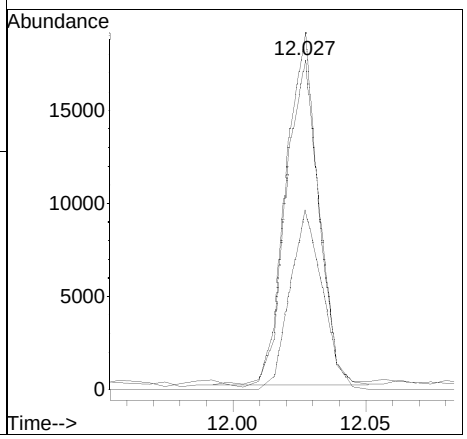


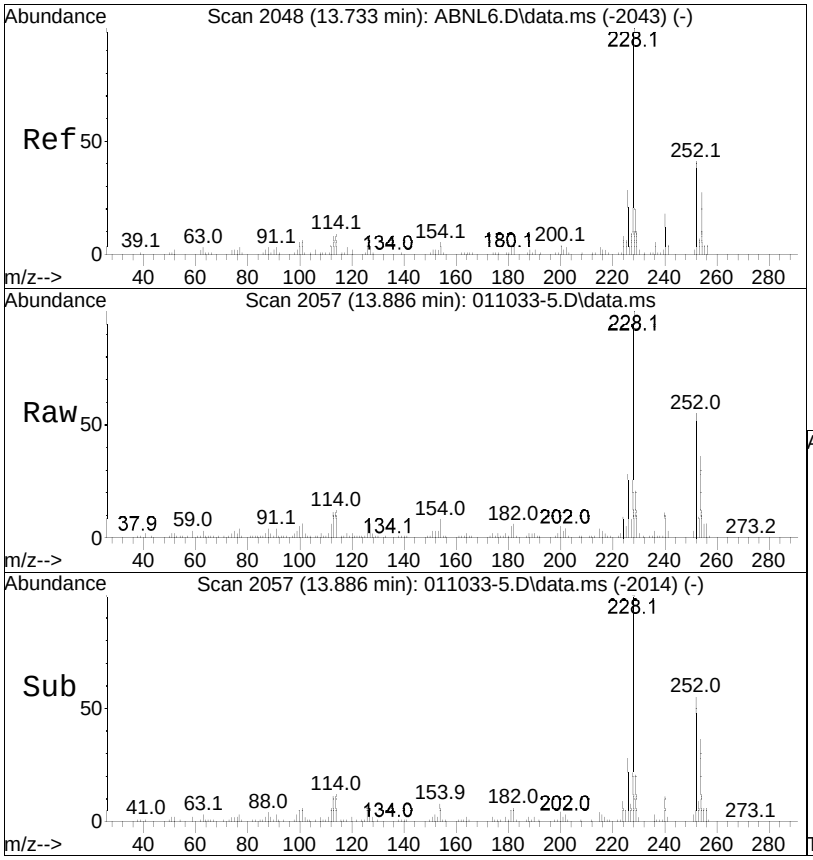


#102
Parathion
Concen: 2.45 ug/ml
RT: 12.027 min Scan# 1741
Delta R.T. -0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:109 Resp: 15197

Ion	Ratio	Lower	Upper
109	100		
97	107.3	87.4	131.2
291	53.8	34.2	51.2#

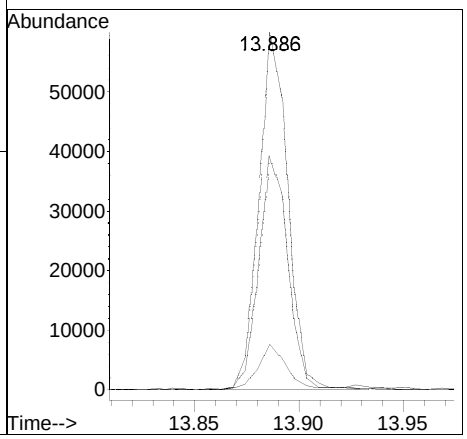


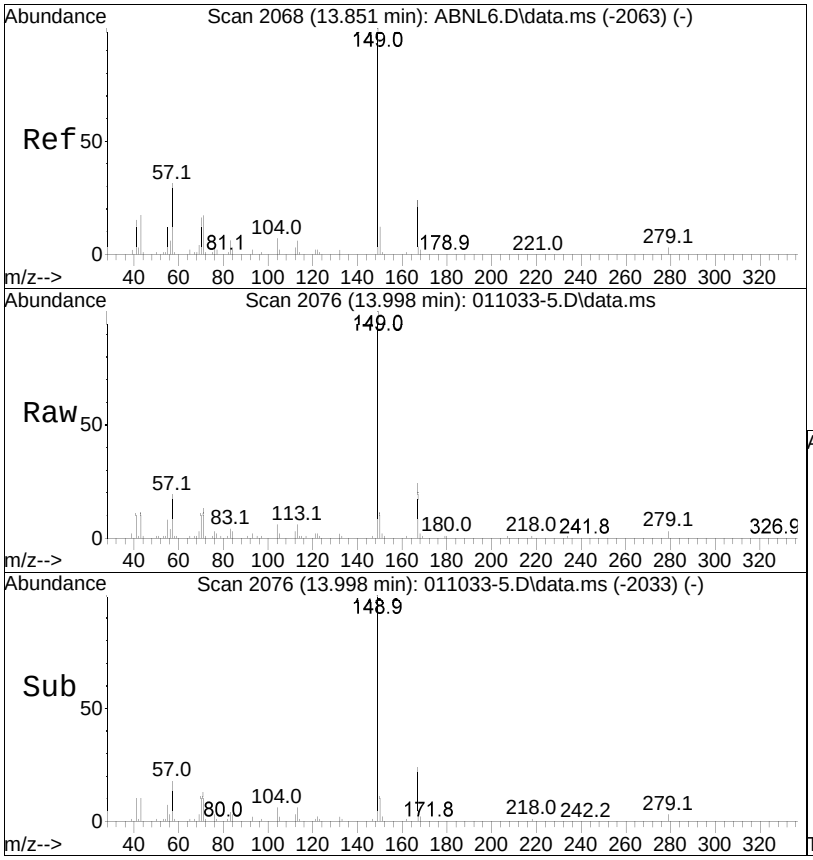


#106
3,3'-Dichlorobenzidine
Concen: 2.01 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:252 Resp: 57581

Ion	Ratio	Lower	Upper
252	100		
126	13.4	14.5	21.7#
254	66.9	51.2	76.8

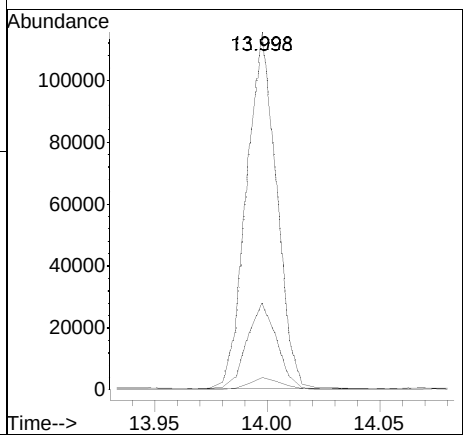


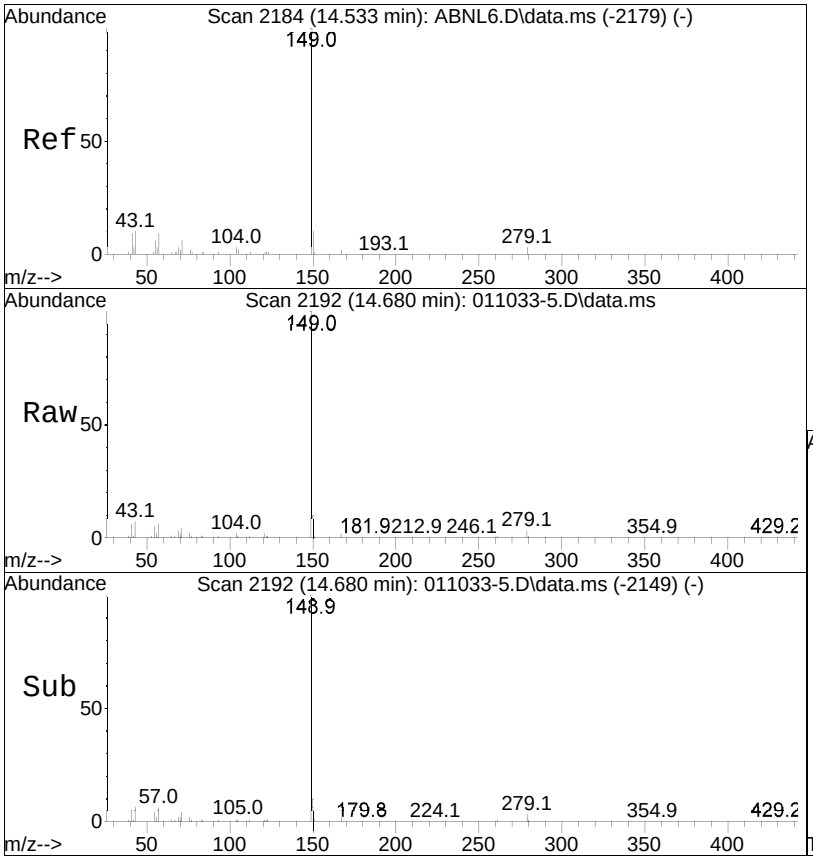


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.03 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:149 Resp: 106248

Ion	Ratio	Lower	Upper
149	100		
167	23.9	22.1	33.1
279	3.3	3.0	4.4

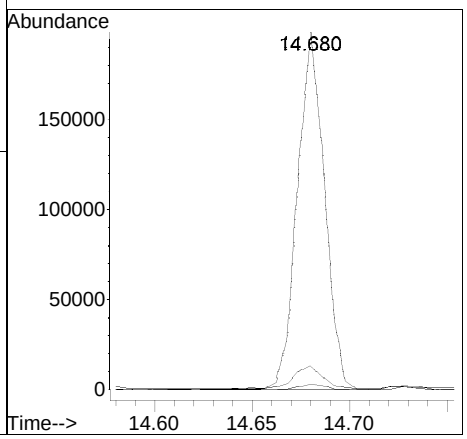




#109
Di-n-octylphthalate
Concen: 2.18 ug/ml
RT: 14.680 min Scan# 2192
Delta R.T. 0.000 min
Lab File: 011033-5.D
Acq: 19 Dec 2024 3:26 pm

Tgt Ion:149 Resp: 188442

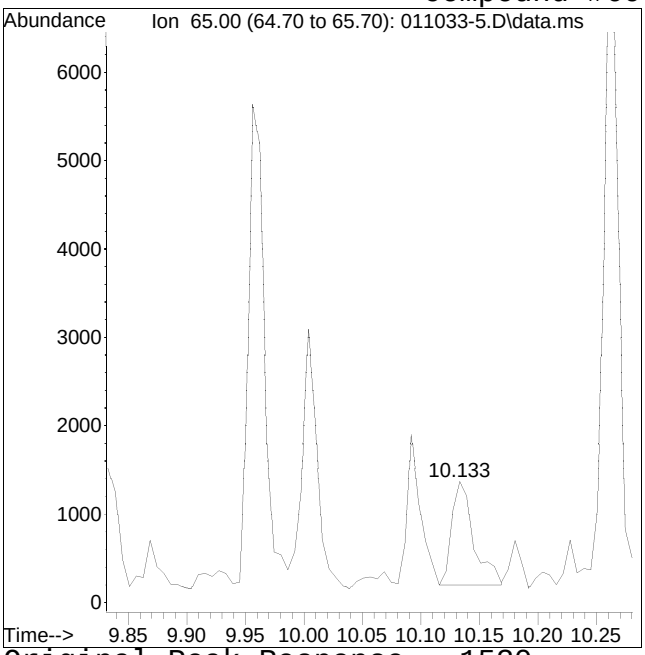
Ion	Ratio	Lower	Upper
149	100		
43	6.6	18.8	28.2#
167	1.6	1.3	1.9

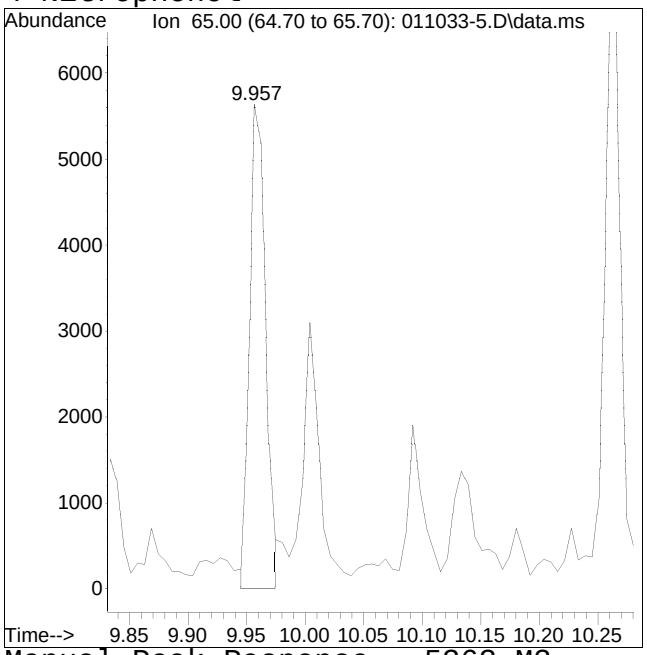


Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: 011033-5.D	Operator	: SV106:smz
Date Inj'd	: 12/19/2024 3:26 pm	Instrument	: SV 106
Sample	: WG2011033-5,32,,gmr	Quant Date	: 12/19/2024 3:45 pm

Compound #69: 4-Nitrophenol





Original Peak Response = 1530 Manual Peak Response = 5363 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-7.D
Acq On : 19 Dec 2024 4:38 pm
Operator : SV106:smz
Sample : WG2011033-7,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 16:55:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.639	152	58349	4.000	ug/ml	0.00
Standard Area 1 = 59785			Recovery = 97.60%			
27) IS2_1,4-Dichlorobenzen...	6.639	152	58349	4.000	ug/ml	0.00
Standard Area 3 = 57436			Recovery = 101.59%			
35) IS1_Naphthalene-d8	8.045	136	222767	4.000	ug/ml	0.00
Standard Area 1 = 236263			Recovery = 94.29%			
55) IS2_Naphthalene-d8	8.045	136	222767	4.000	ug/ml	0.00
Standard Area 3 = 223802			Recovery = 99.54%			
63) IS1_Acenaphthene-d10	9.804	164	126619	4.000	ug/ml	0.00
Standard Area 1 = 135584			Recovery = 93.39%			
83) IS2_Acenaphthene-d10	9.804	164	126619	4.000	ug/ml	0.00
Standard Area 3 = 135210			Recovery = 93.65%			
86) IS3_Acenaphthene-d10	9.804	164	126619	4.000	ug/ml	0.00
Standard Area 2 = 151712			Recovery = 83.46%			
88) IS1_Phenanthrene-d10	11.245	188	228786	4.000	ug/ml	0.00
Standard Area 1 = 265683			Recovery = 86.11%			
100) IS3_Phenanthrene-d10	11.245	188	228786	4.000	ug/ml	0.00
Standard Area 2 = 298371			Recovery = 76.68%			
104) IS1_Chrysene-d12	13.904	240	269692	4.000	ug/ml	0.00
Standard Area 1 = 288586			Recovery = 93.45%			
113) IS1_Perylene-d12	15.380	264	328369	4.000	ug/ml	0.00
Standard Area 1 = 335704			Recovery = 97.82%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.840	112	14634	0.806	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 40.30%			
7) Phenol-d6	6.269	99	14235	0.651	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.55%			
19) Nitrobenzene-d5	7.281	82	13132	0.662	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.20%			
46) 2-Fluorobiphenyl	9.163	172	34479	0.669	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.90%			
79) 2,4,6-Tribromophenol	10.574	330	8660	1.209	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.45%			
96) 4-Terphenyl-d14	12.833	244	50419	0.821	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.10%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-7.D
Acq On : 19 Dec 2024 4:38 pm
Operator : SV106:smz
Sample : WG2011033-7,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 16:55:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.369	74	11808	1.065	ug/ml#	55
3) Pyridine	2.457	79	5082	0.286	ug/ml#	50
5) Aniline	6.239	93	20397	0.790	ug/ml	93
6) 2-Chlorophenol	6.381	128	24014	1.206	ug/ml#	89
8) Phenol	6.281	94	17609	0.777	ug/ml	95
9) Bis(2-chloroethyl)ether	6.363	93	26534	1.421	ug/ml	97
10) 1,3-Dichlorobenzene	6.563	146	30885	1.269	ug/ml	96
11) 1,4-Dichlorobenzene	6.657	146	31856	1.285	ug/ml	99
12) 1,2-Dichlorobenzene	6.834	146	31510	1.325	ug/ml	98
13) Benzyl alcohol	6.839	79	18207	1.177	ug/ml	99
14) Bis(2-chloroisopropyl)...	7.010	45	30345	1.033	ug/ml#	29
15) 2-Methylphenol	7.004	108	22651	1.382	ug/ml	98
17) n-Nitrosodi-n-propylamine	7.151	70	19575	1.427	ug/ml	98
18) 3-Methylphenol/4-Methy...	7.181	108	22546	1.262	ug/ml	96
20) Nitrobenzene	7.304	77	29192	1.441	ug/ml	97
21) Isophorone	7.575	82	51539	1.462	ug/ml	97
22) 2-Nitrophenol	7.657	139	13979	1.345	ug/ml#	82
23) 2,4-Dimethylphenol	7.751	107	18925	1.160	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.839	93	35508	1.508	ug/ml	98
25) 2,4-Dichlorophenol	7.916	162	24639	1.351	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.998	180	28506	1.349	ug/ml	97
28) Benzaldehyde	6.081	105	24903	1.801	ug/ml	87
29) Acetophenone	7.122	105	43564	1.633	ug/ml#	80
37) Benzoic Acid	7.810	105	7219	1.735	ug/ml	98
38) 4-Chloroaniline	8.145	65	8776	1.244	ug/ml	92
40) p-Chloro-m-cresol	8.669	107	24995	1.515	ug/ml	98
43) Hexachlorocyclopentadiene	8.957	237	11440	0.784	ug/ml	97
44) 2,4,6-Trichlorophenol	9.075	196	18911	1.234	ug/ml	96
45) 2,4,5-Trichlorophenol	9.104	196	20777	1.309	ug/ml	96
48) 2-Nitroaniline	9.369	138	20808	1.673	ug/ml#	80
51) Dimethyl phthalate	9.569	163	82857	1.627	ug/ml#	98
53) 2,6-Dinitrotoluene	9.616	165	16540	1.597	ug/ml#	74
60) Caprolactam	8.469	55	4970	0.608	ug/ml#	58
61) 1,2,4,5-Tetrachloroben...	8.951	216	33597	1.501	ug/ml	97
62) Biphenyl	9.251	154	79664	1.577	ug/ml	98
64) 3-Nitroaniline	9.775	138	17471	1.709	ug/ml	84
66) 2,4-Dinitrophenol	9.875	184	4589	1.762	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-7.D
Acq On : 19 Dec 2024 4:38 pm
Operator : SV106:smz
Sample : WG2011033-7,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 16:55:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241219RVT\ABN1219.D
: 2 - I:\8270\SV106\241219RVT\ADP1219.D
: 3 - I:\8270\SV106\241219RVT\AP91219.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Dibenzofuran	10.010	168	92497	1.561	ug/ml	96
68) 2,4-Dinitrotoluene	10.004	165	23066	1.738	ug/ml#	82
69) 4-Nitrophenol	9.957	65	6914	0.914	ug/ml#	76
71) 2,3,4,6-Tetrachlorophenol	10.139	232	15399	1.262	ug/ml	96
72) Diethyl phthalate	10.263	149	81521	1.697	ug/ml	98
74) 4-Chlorophenyl phenyl ...	10.357	204	38215	1.609	ug/ml	88
75) 4-Nitroaniline	10.363	138	17886	1.719	ug/ml#	75
76) 4,6-Dinitro-o-cresol	10.398	198	7884	1.160	ug/ml#	57
77) NDPA/DPA	10.474	169	65401	1.638	ug/ml	98
78) Azobenzene	10.510	77	62376	1.599	ug/ml#	89
80) 4-Bromophenyl phenyl e...	10.827	248	24404	1.659	ug/ml#	84
85) Pentachloronitrobenzene	11.086	237	11407	1.865	ug/ml#	76
87) Atrazine	11.004	200	21812	1.660	ug/ml	94
91) Carbazole	11.480	167	106591	1.769	ug/ml	100
92) Di-n-butylphthalate	11.863	149	139121	1.844	ug/ml#	98
94) Benzidine	12.574	184	15446	0.348	ug/ml#	95
97) Butyl benzyl phthalate	13.357	149	65100	2.053	ug/ml#	84
102) Parathion	12.027	109	13697	2.120	ug/ml#	93
106) 3,3'-Dichlorobenzidine	13.886	252	69112	2.262	ug/ml#	96
108) Bis(2-ethylhexyl)phtha...	13.998	149	106407	1.906	ug/ml	93
109) Di-n-octylphthalate	14.680	149	203866	2.202	ug/ml#	69

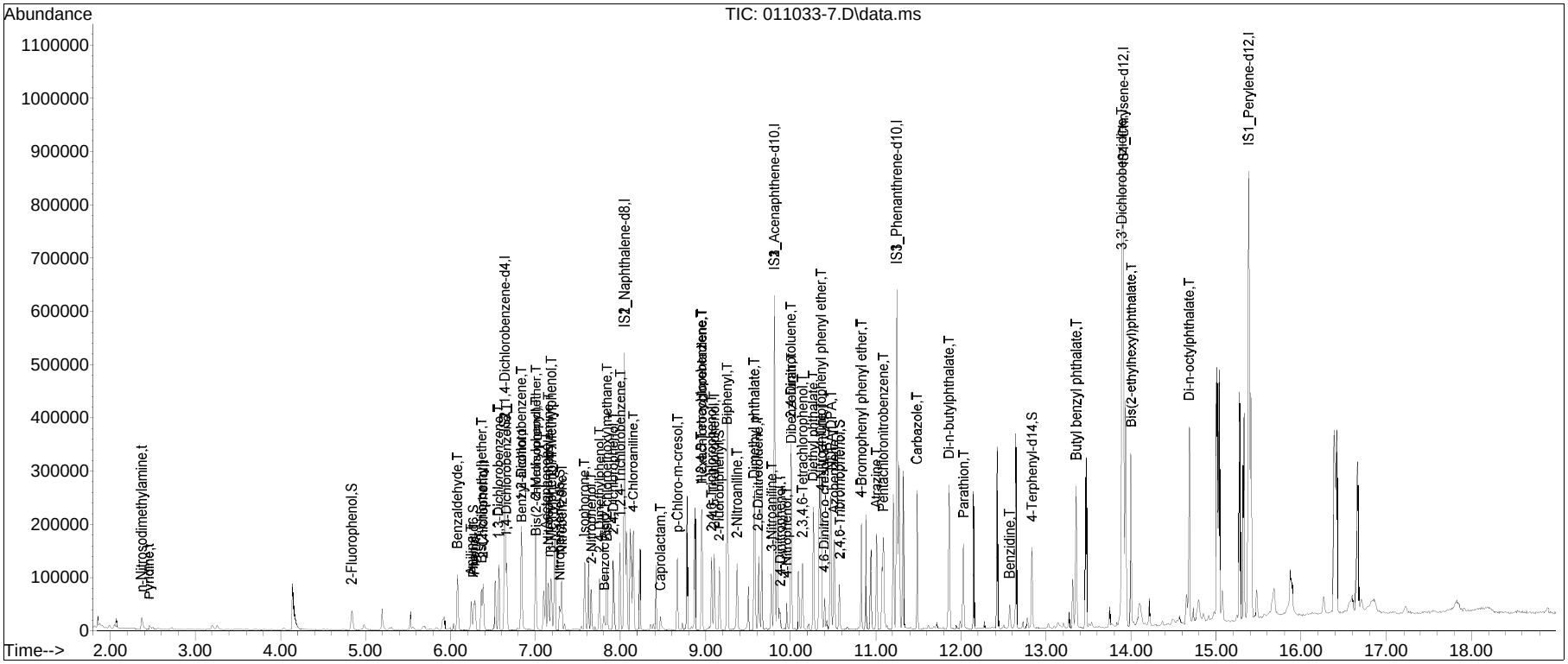
(#) = qualifier out of range (m) = manual integration (+) = signals summed

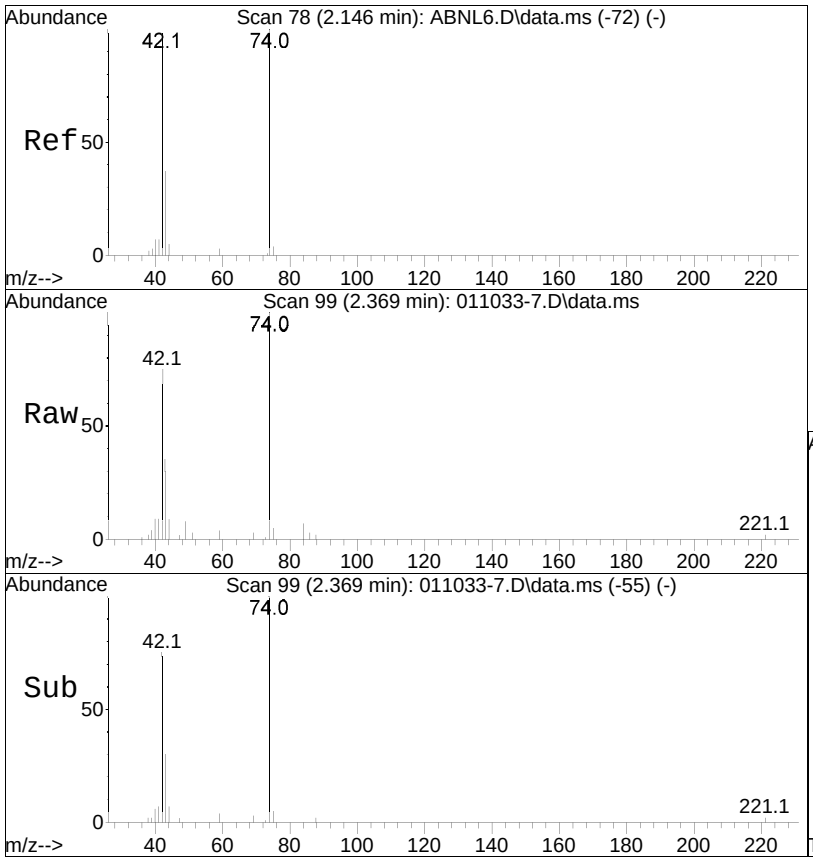
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241219RVT\
Data File : 011033-7.D
Acq On : 19 Dec 2024 4:38 pm
Operator : SV106:smz
Sample : WG2011033-7,32,,gmr
Misc : WG2011391,WG2011033,ical21604
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 16:55:48 2024
Quant Method : I:\8270\SV106\241219RVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 12:47:40 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91219.D•

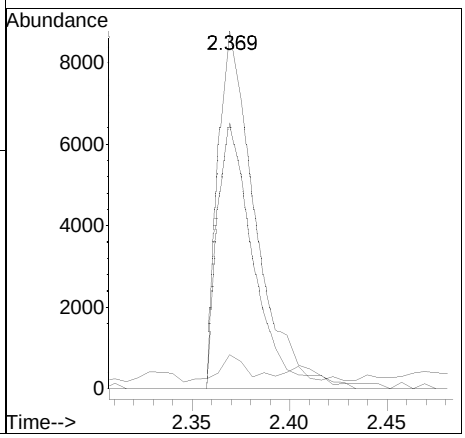


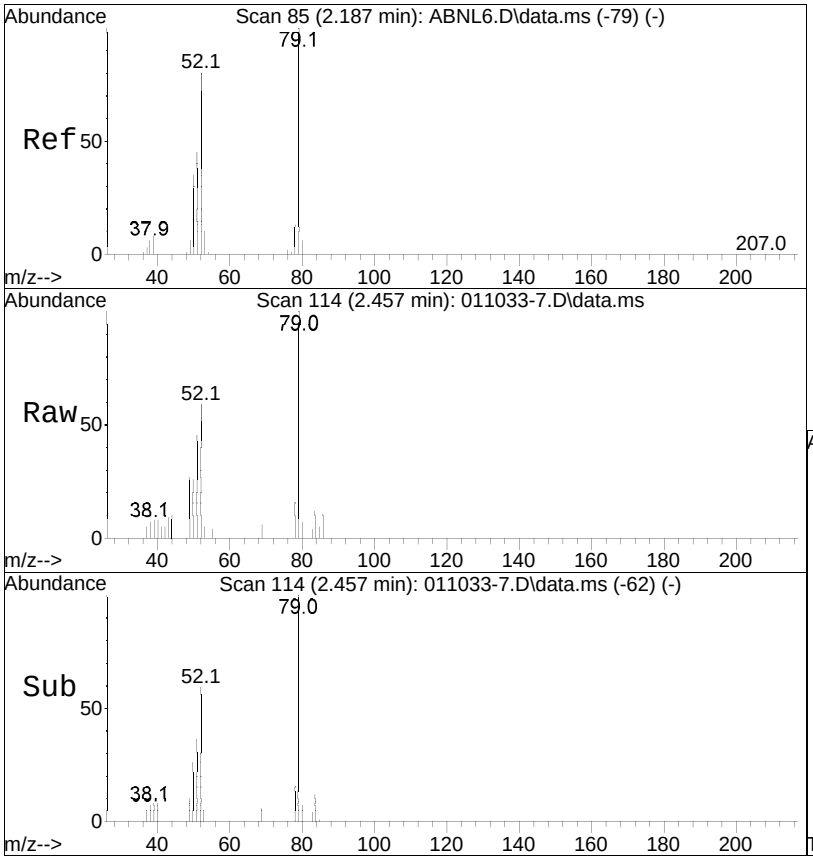


#2
n-Nitrosodimethylamine
Concen: 1.06 ug/ml
RT: 2.369 min Scan# 99
Delta R.T. 0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 74 Resp: 11808

Ion	Ratio	Lower	Upper
74	100		
42	71.7	100.0	150.0#
44	4.2	6.7	10.1#

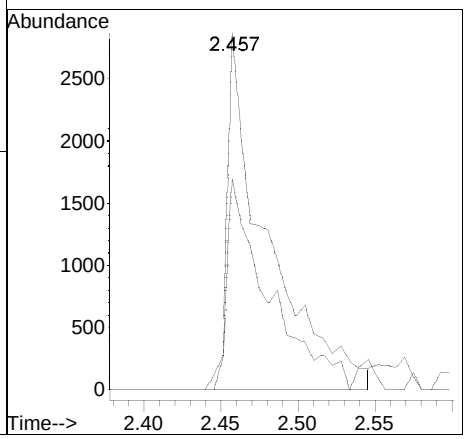


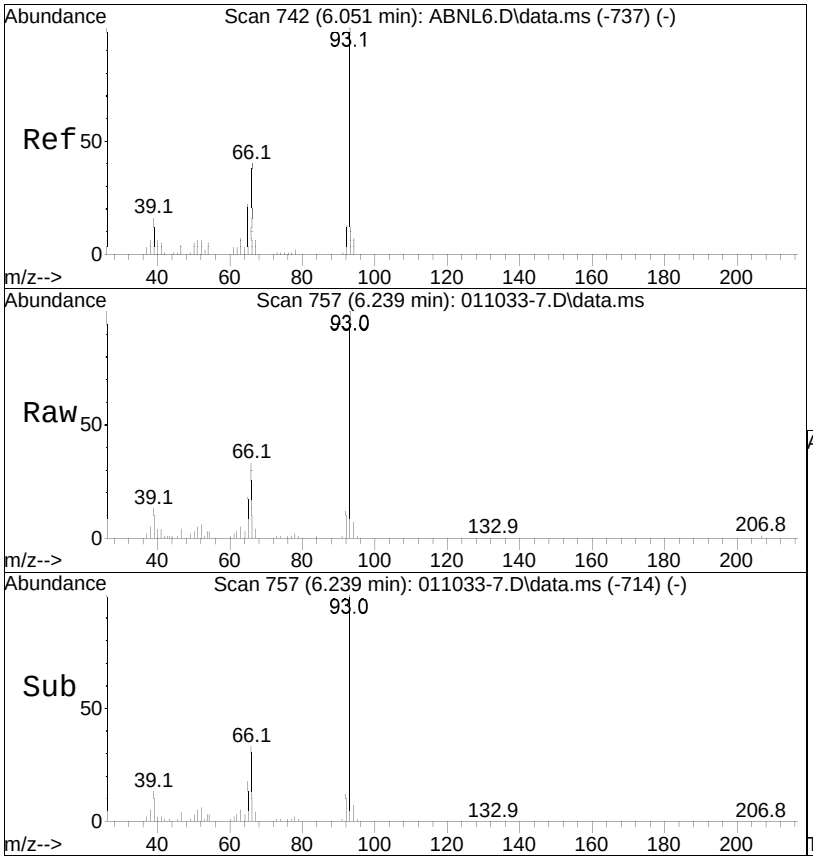


#3
Pyridine
Concen: 0.29 ug/ml
RT: 2.457 min Scan# 114
Delta R.T. 0.053 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 79 Resp: 5082

Ion	Ratio	Lower	Upper
79	100		
52	62.3	93.1	139.7#

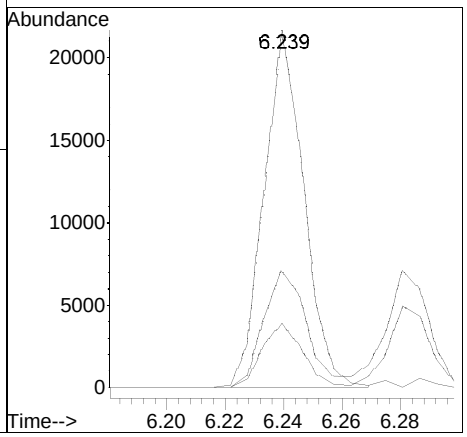


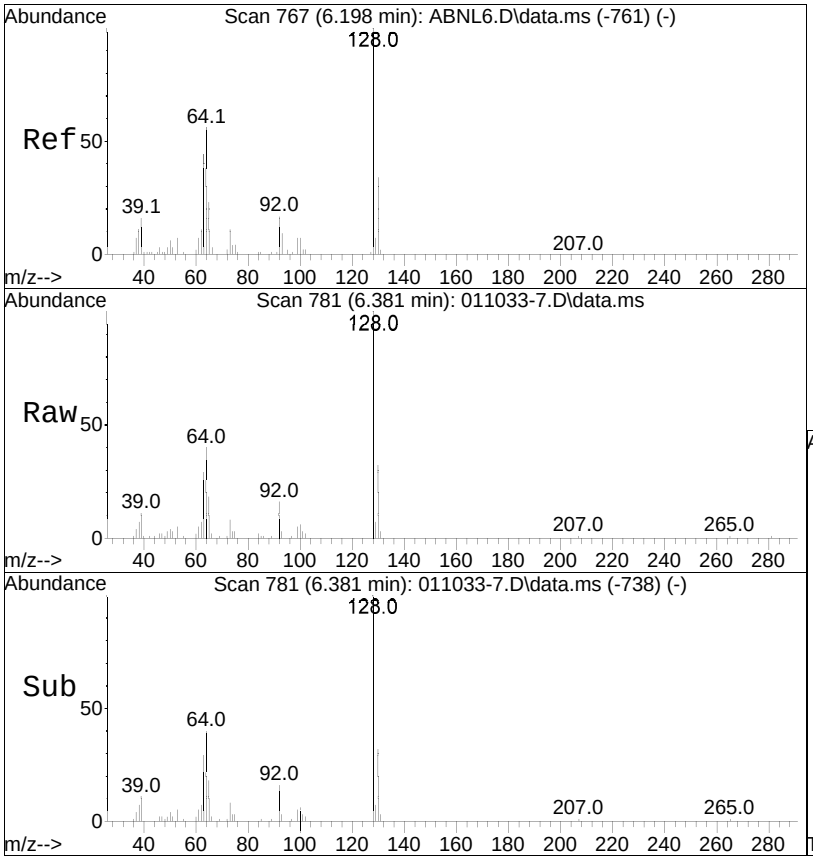


#5
Aniline
Concen: 0.79 ug/ml
RT: 6.239 min Scan# 757
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 93 Resp: 20397

Ion	Ratio	Lower	Upper
93	100		
66	36.3	32.6	49.0
65	18.6	17.6	26.4

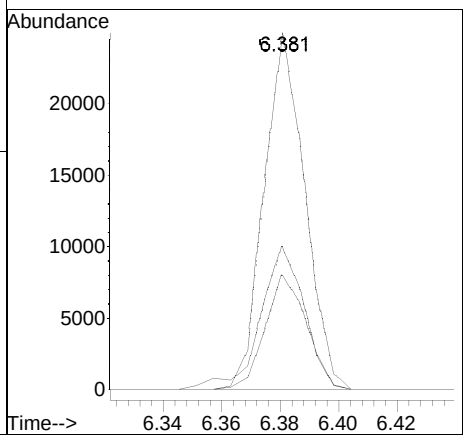


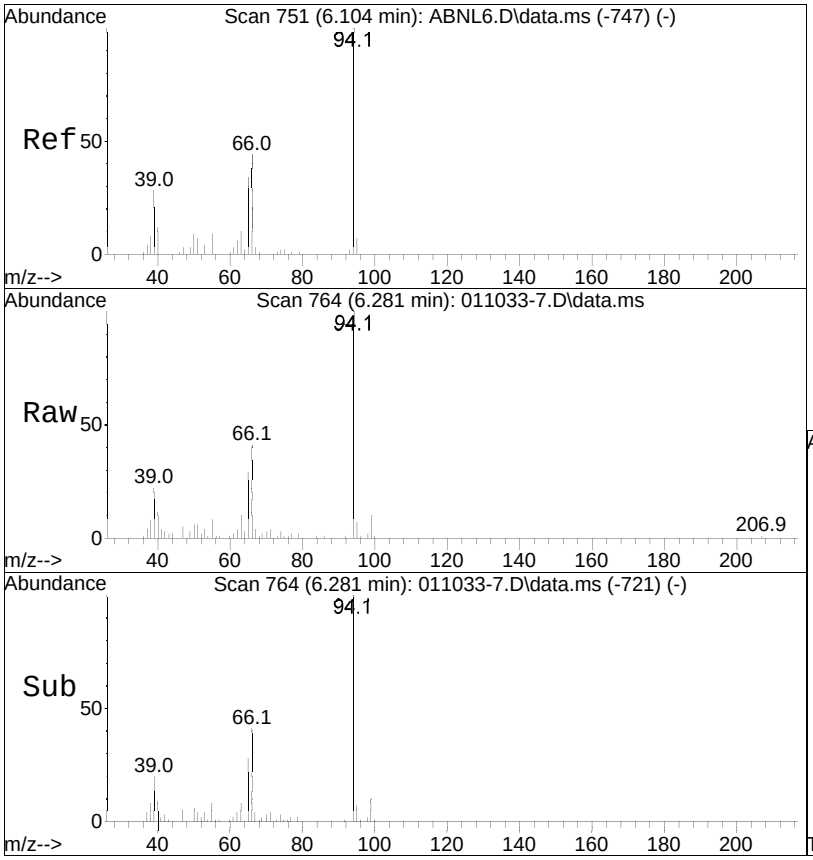


#6
2-Chlorophenol
Concen: 1.21 ug/ml
RT: 6.381 min Scan# 781
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:128 Resp: 24014

Ion	Ratio	Lower	Upper
128	100		
64	43.5	45.1	67.7#
130	32.8	26.2	39.4

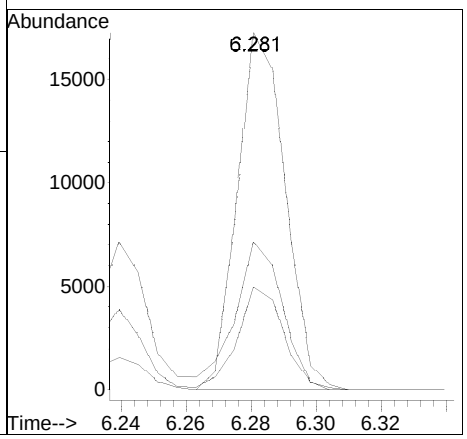


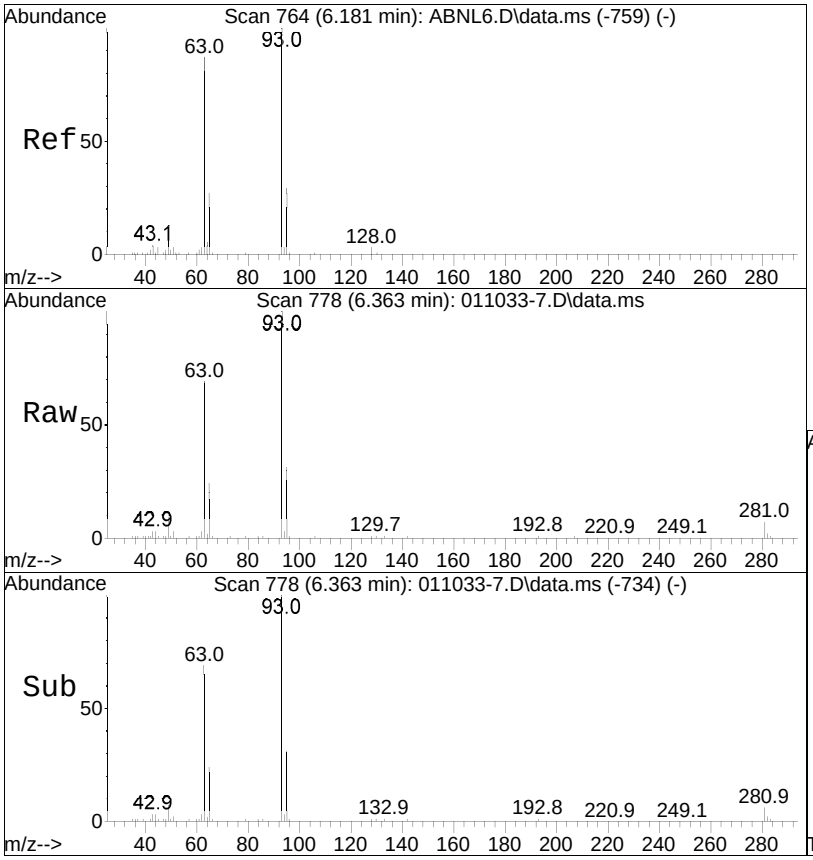


#8
Phenol
Concen: 0.78 ug/ml
RT: 6.281 min Scan# 764
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 94 Resp: 17609

Ion	Ratio	Lower	Upper
94	100		
65	27.9	26.0	39.0
66	41.2	33.8	50.8

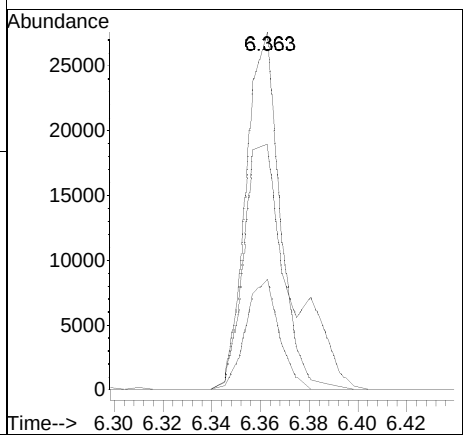


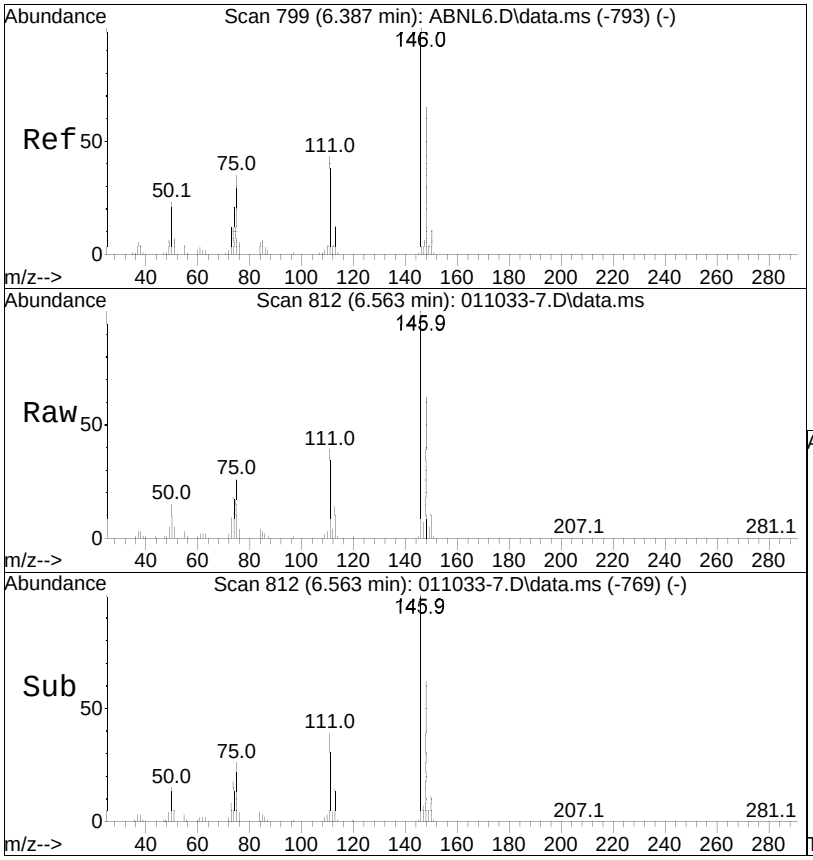


#9
Bis(2-chloroethyl)ether
Concen: 1.42 ug/ml
RT: 6.363 min Scan# 778
Delta R.T. 0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 93 Resp: 26534

Ion	Ratio	Lower	Upper
93	100		
63	95.3	74.6	111.8
95	30.5	25.9	38.9

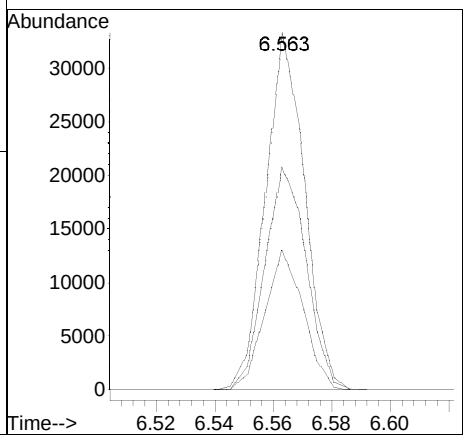


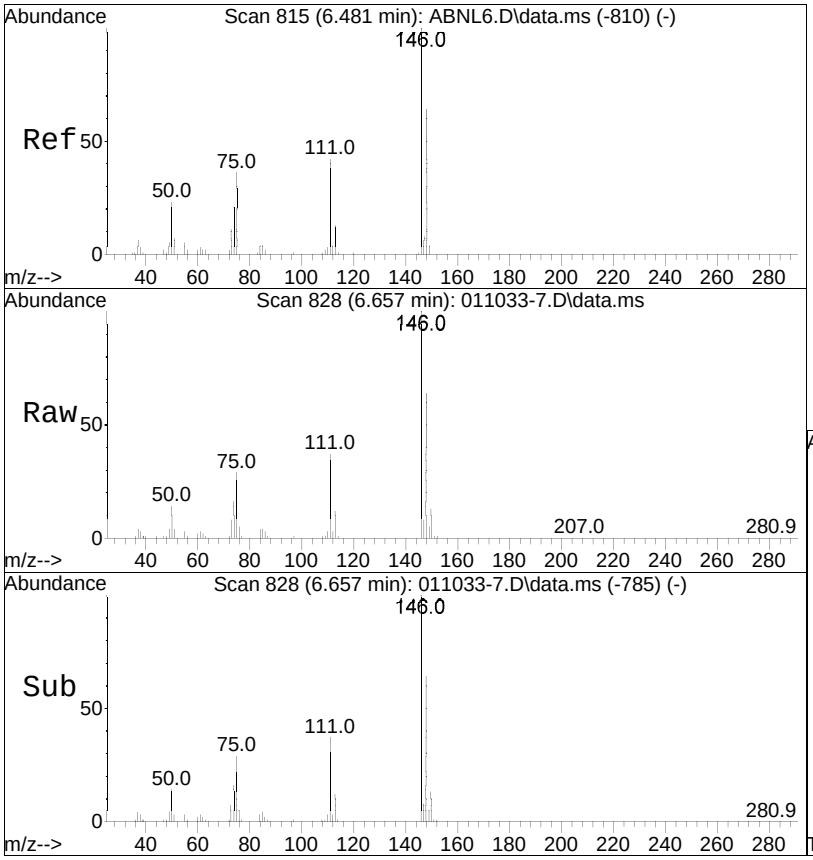


#10
1,3-Dichlorobenzene
Concen: 1.27 ug/ml
RT: 6.563 min Scan# 812
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:146 Resp: 30885

Ion	Ratio	Lower	Upper
146	100		
111	38.8	34.3	51.5
148	65.9	50.8	76.2

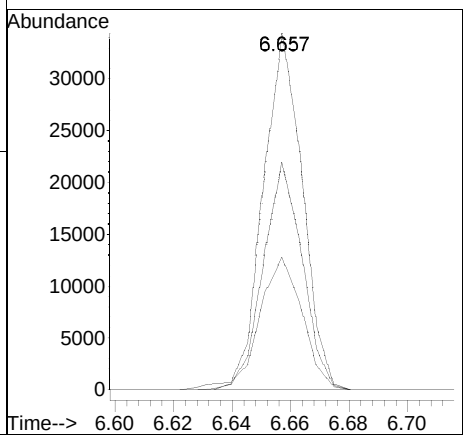


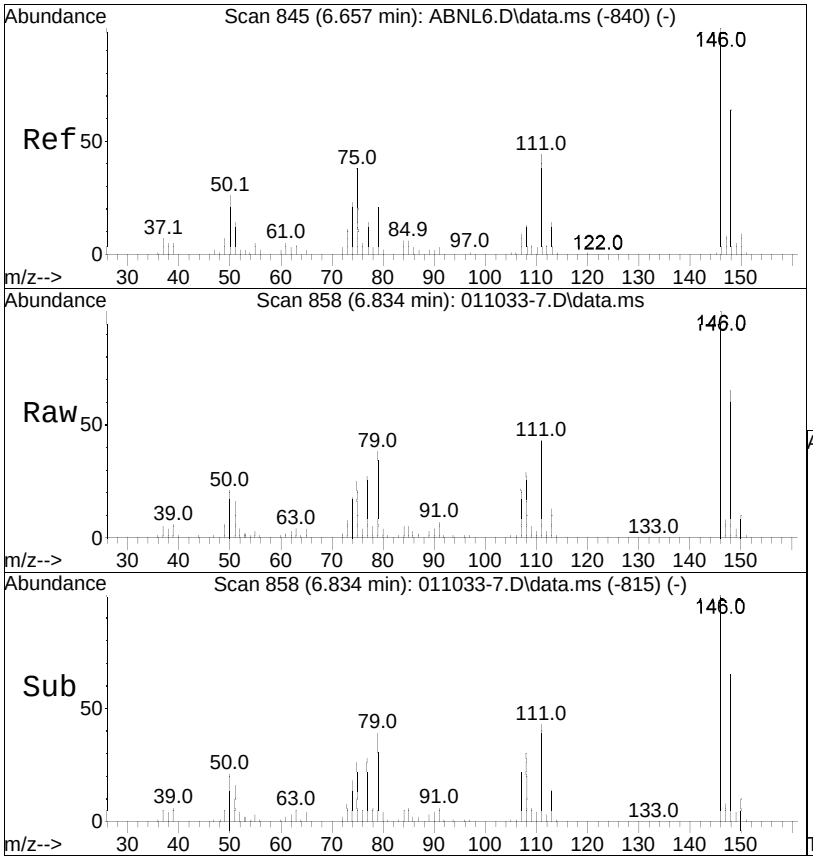


#11
1,4-Dichlorobenzene
Concen: 1.28 ug/ml
RT: 6.657 min Scan# 828
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:146 Resp: 31856

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.7	76.1
111	41.3	33.4	50.0

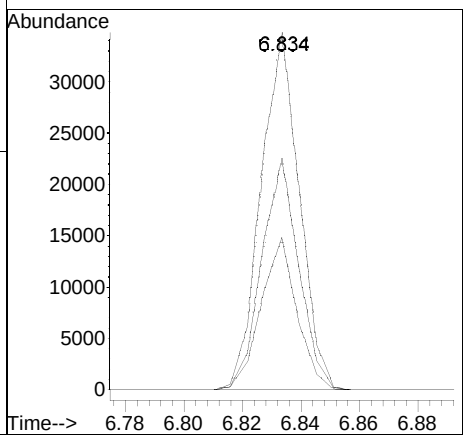


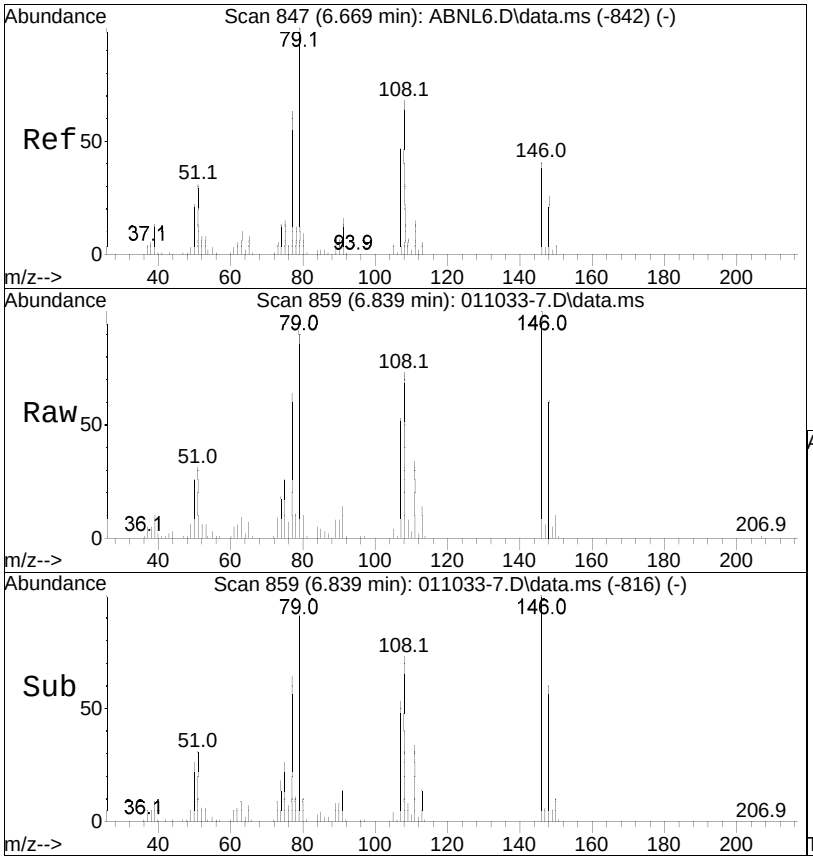


#12
1,2-Dichlorobenzene
Concen: 1.33 ug/ml
RT: 6.834 min Scan# 858
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:146 Resp: 31510

Ion	Ratio	Lower	Upper
146	100		
111	40.2	34.6	52.0
148	62.6	50.2	75.4

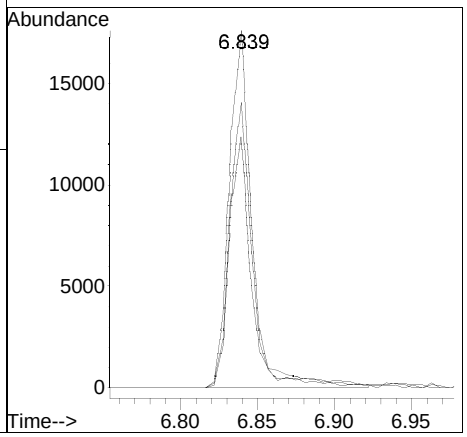


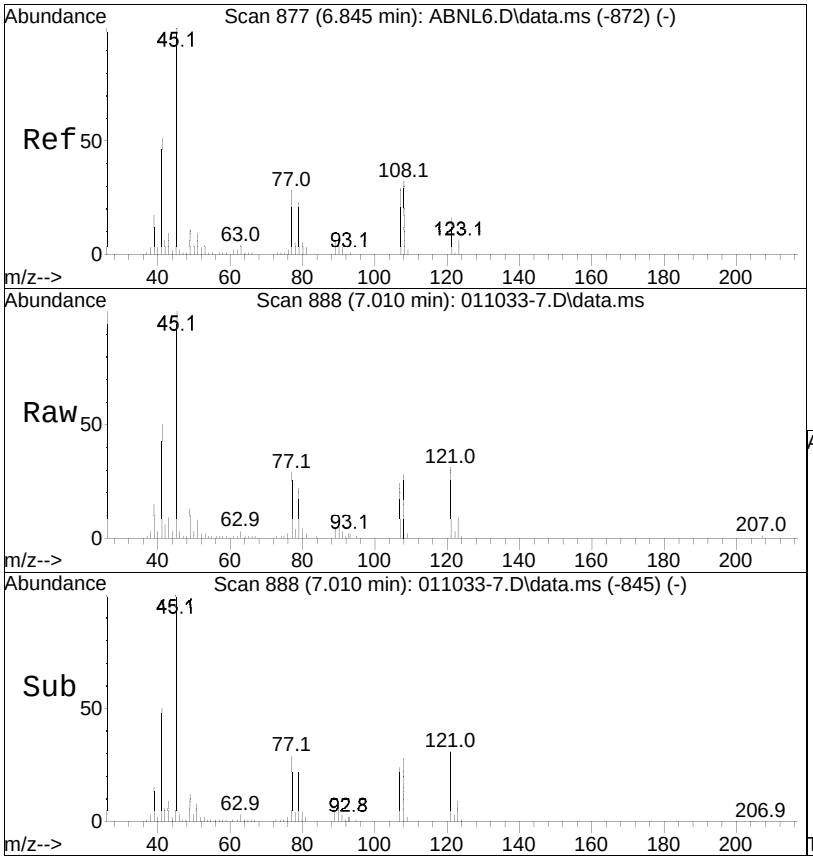


#13
Benzyl alcohol
Concen: 1.18 ug/ml
RT: 6.839 min Scan# 859
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 79 Resp: 18207

Ion	Ratio	Lower	Upper
79	100		
77	69.9	54.9	82.3
108	78.8	63.1	94.7

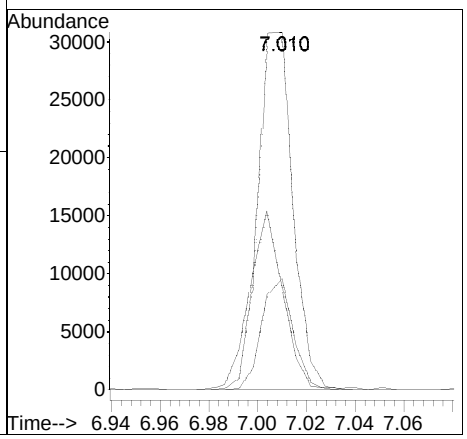


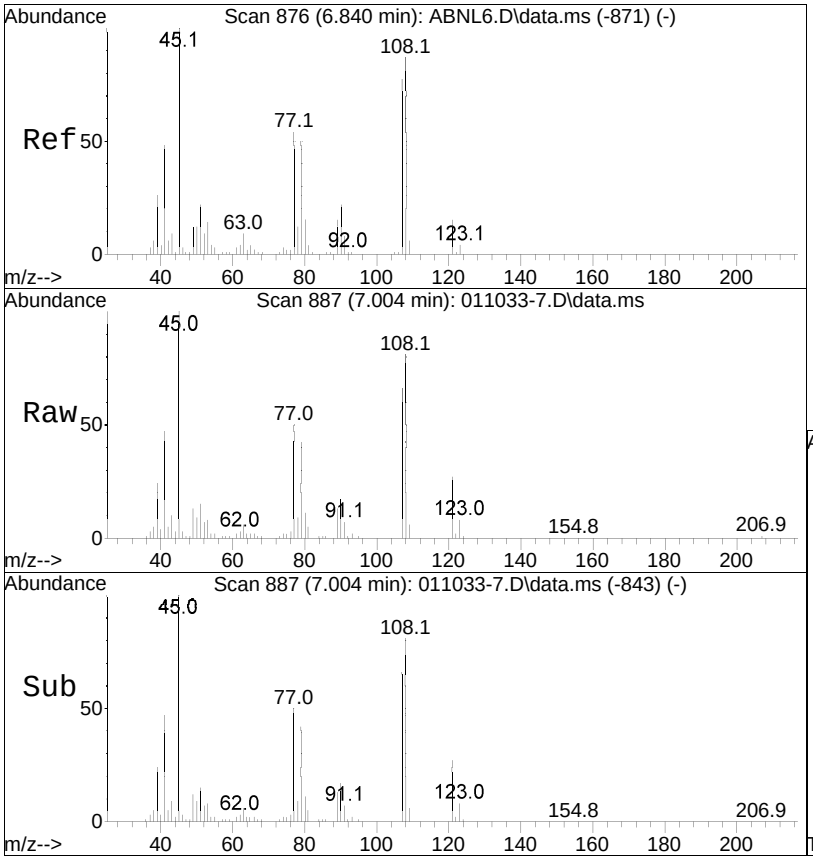


#14
Bis(2-chloroisopropyl)ether
Concen: 1.03 ug/ml
RT: 7.010 min Scan# 888
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 45 Resp: 30345

Ion	Ratio	Lower	Upper
45	100		
121	28.5	9.8	14.6#
77	49.1	6.1	9.1#

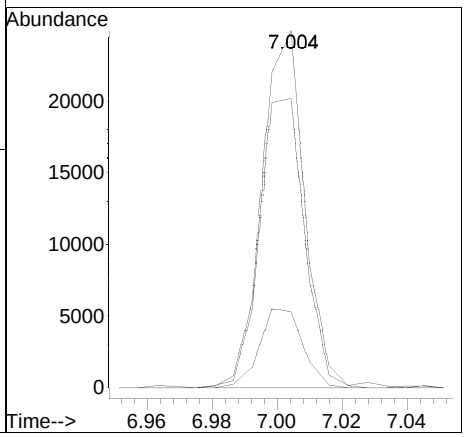


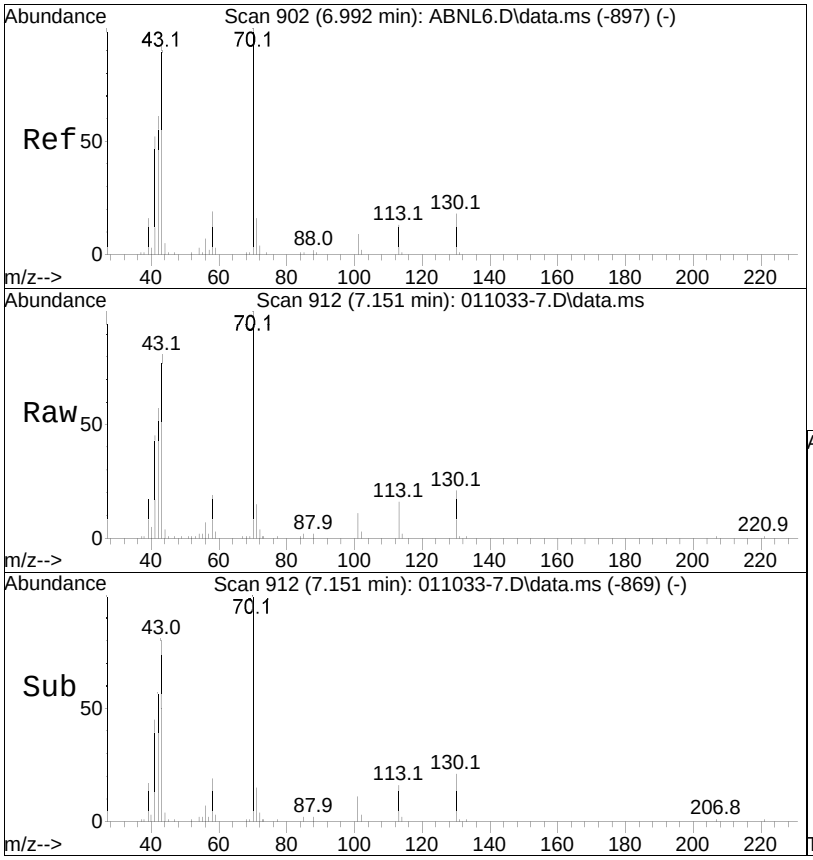


#15
2-Methylphenol
Concen: 1.38 ug/ml
RT: 7.004 min Scan# 887
Delta R.T. 0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:108 Resp: 22651

Ion	Ratio	Lower	Upper
108	100		
107	86.5	70.7	106.1
90	22.5	18.7	28.1

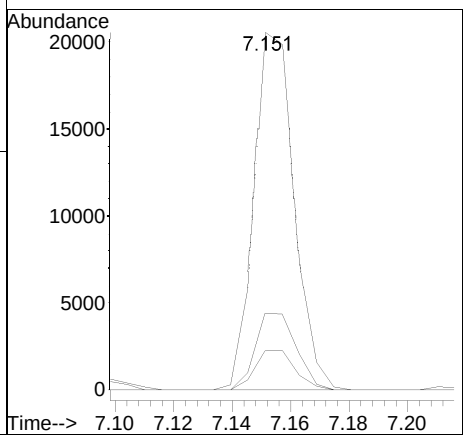


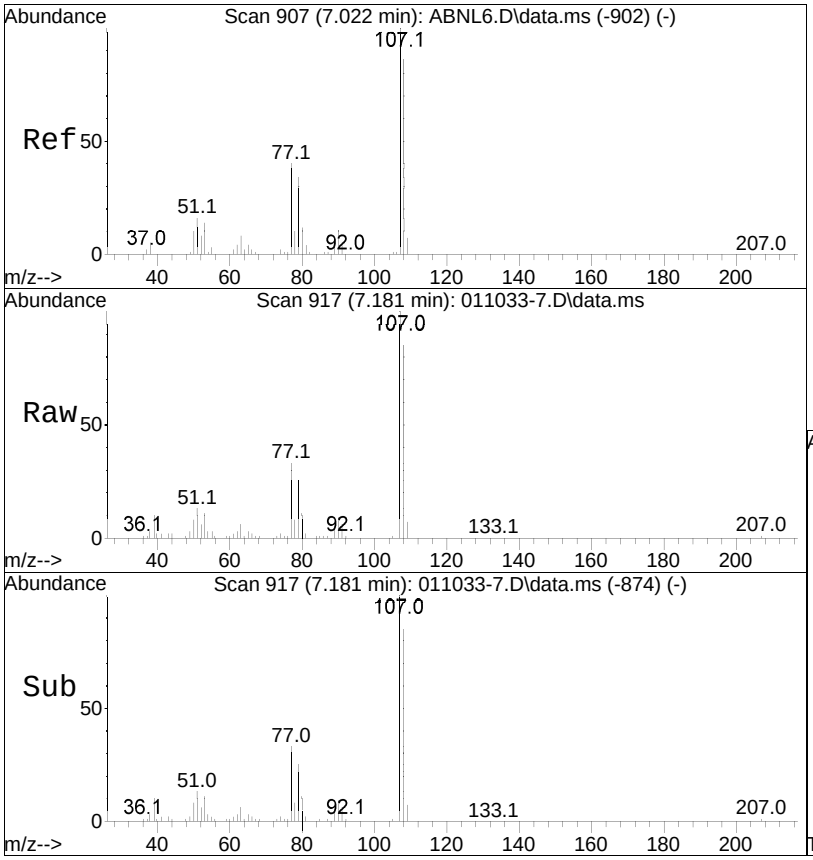


#17
n-Nitrosodi-n-propylamine
Concen: 1.43 ug/ml
RT: 7.151 min Scan# 912
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 70 Resp: 19575

Ion	Ratio	Lower	Upper
70	100		
130	21.8	18.2	27.4
101	11.0	7.8	11.8

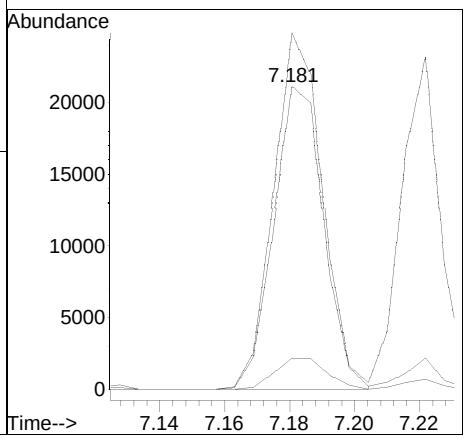


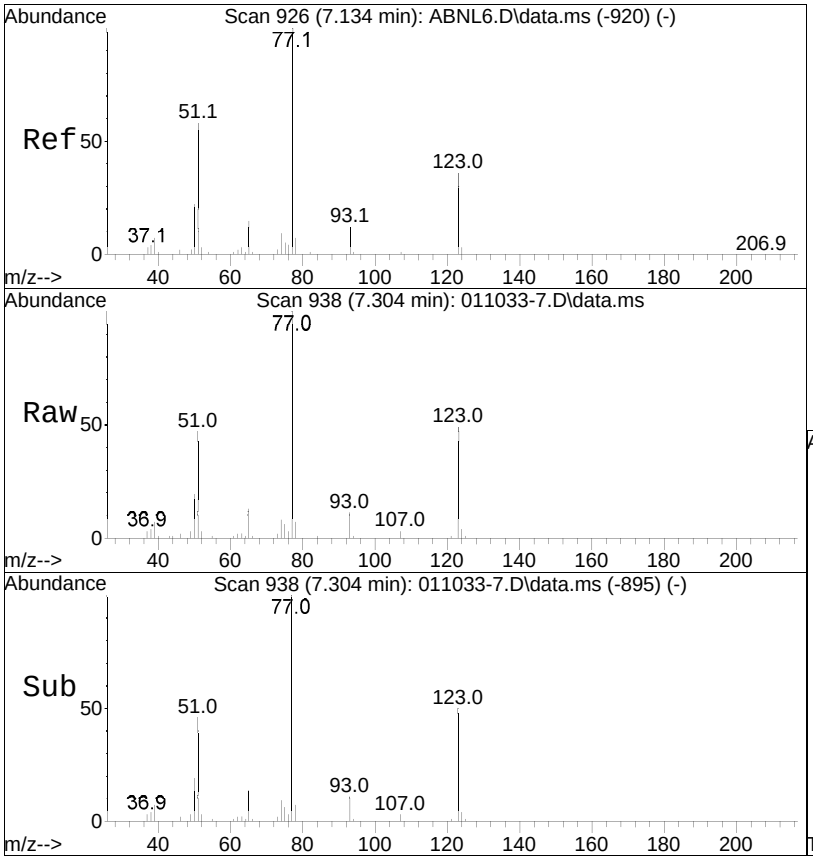


#18
3-Methylphenol/4-Methylphenol
Concen: 1.26 ug/ml
RT: 7.181 min Scan# 917
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:108 Resp: 22546

Ion	Ratio	Lower	Upper
108	100		
107	115.2	88.6	132.8
90	10.7	8.8	13.2

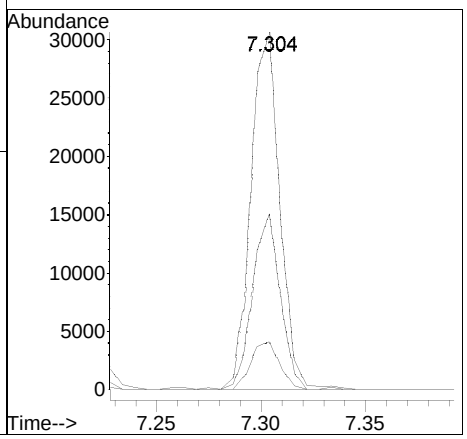


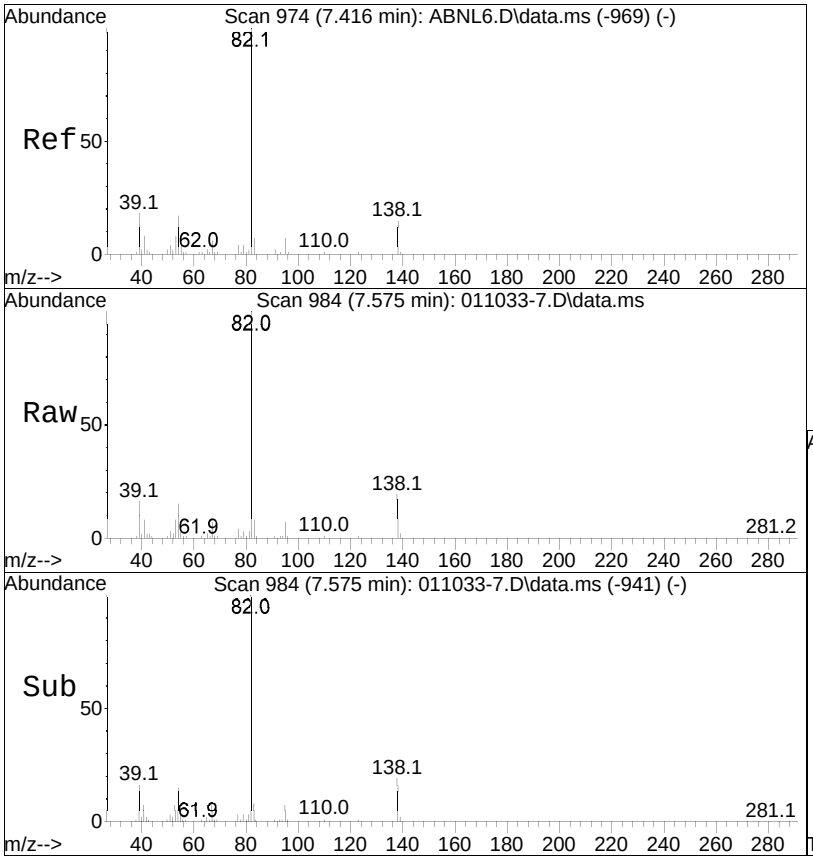


#20
Nitrobenzene
Concen: 1.44 ug/ml
RT: 7.304 min Scan# 938
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 77 Resp: 29192

Ion	Ratio	Lower	Upper
77	100		
123	47.2	36.3	54.5
65	13.4	11.6	17.4

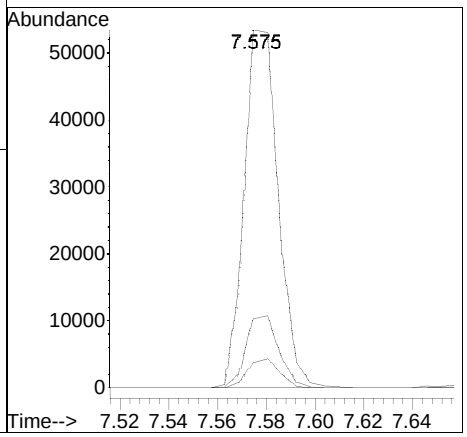


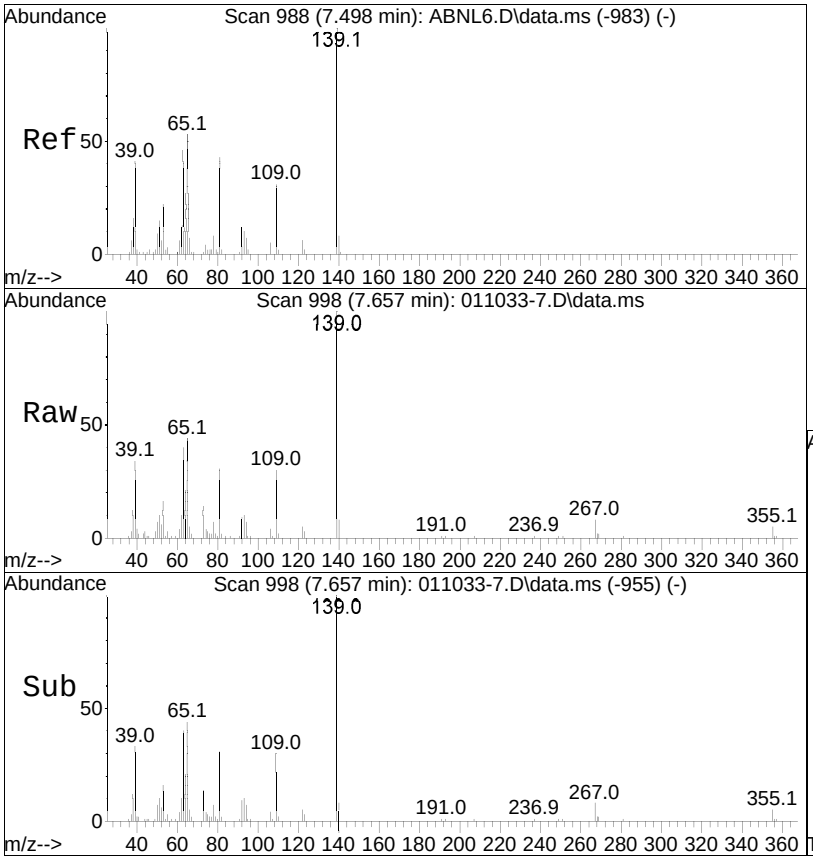


#21
Isophorone
Concen: 1.46 ug/ml
RT: 7.575 min Scan# 984
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 82 Resp: 51539

Ion	Ratio	Lower	Upper
82	100		
138	19.6	14.7	22.1
95	7.7	5.2	7.8

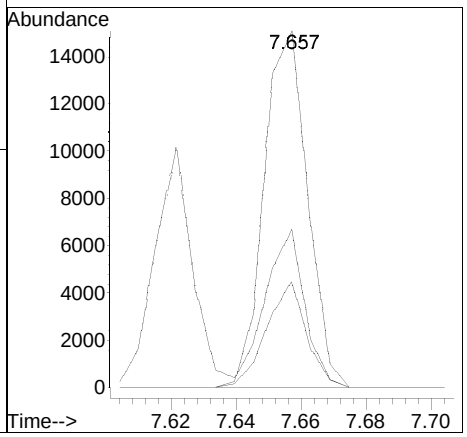


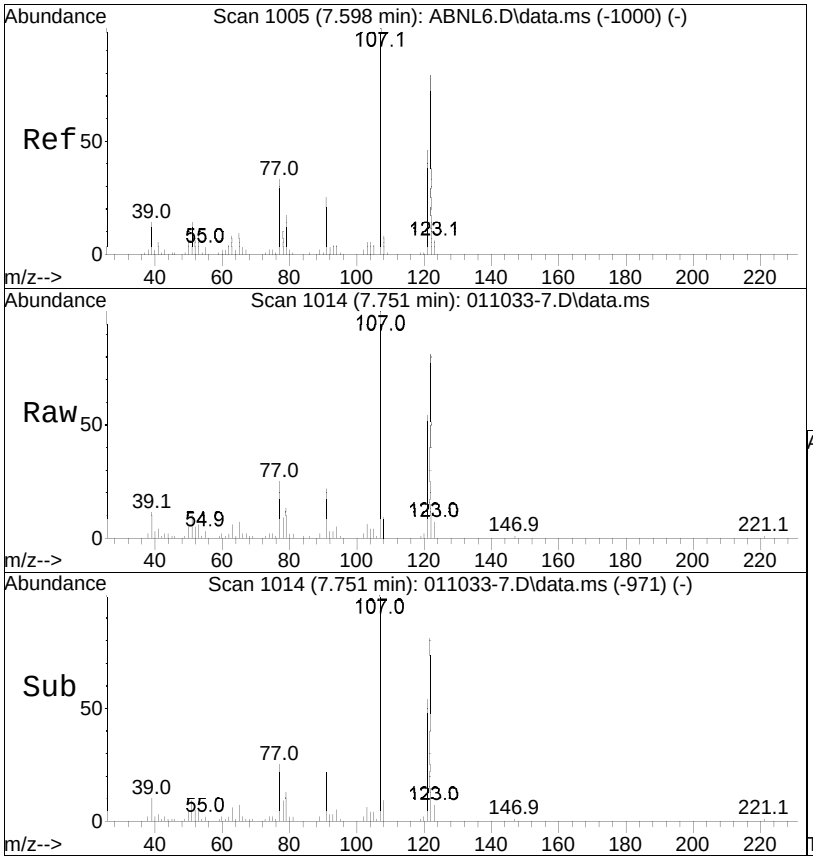


#22
2-Nitrophenol
Concen: 1.34 ug/ml
RT: 7.657 min Scan# 998
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:139 Resp: 13979

Ion	Ratio	Lower	Upper
139	100		
109	27.4	19.4	29.0
65	40.3	46.1	69.1#

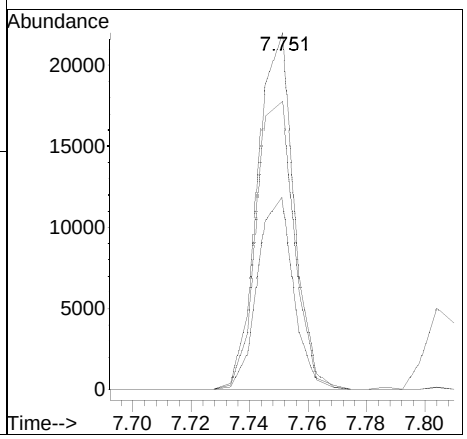


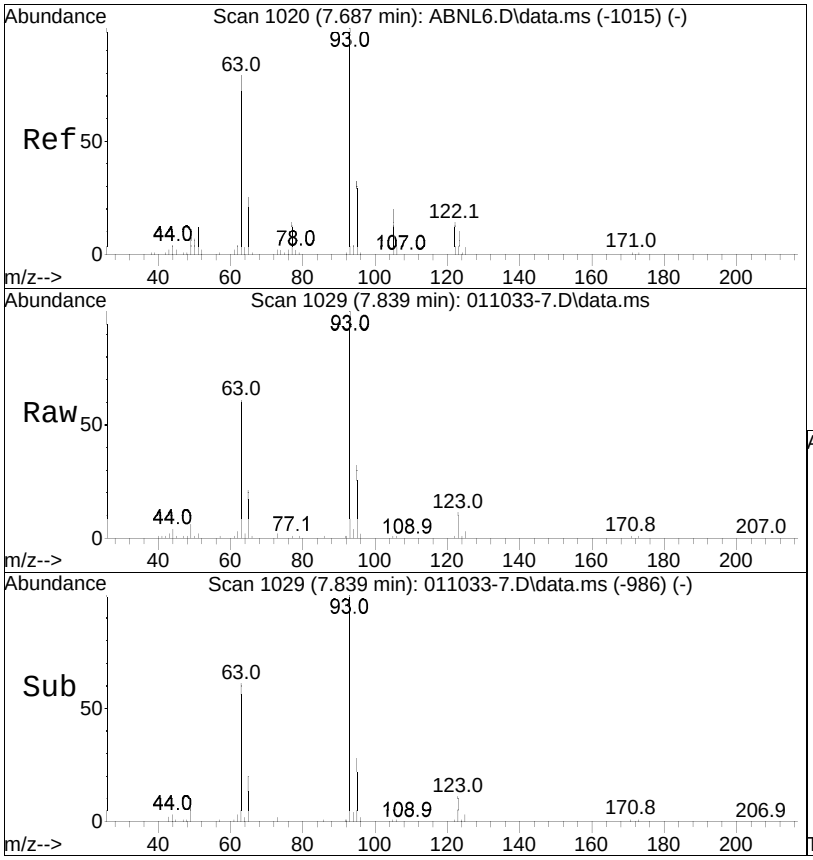


#23
2,4-Dimethylphenol
Concen: 1.16 ug/ml
RT: 7.751 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:107 Resp: 18925

Ion	Ratio	Lower	Upper
107	100		
121	53.5	40.0	60.0
122	84.6	70.2	105.4

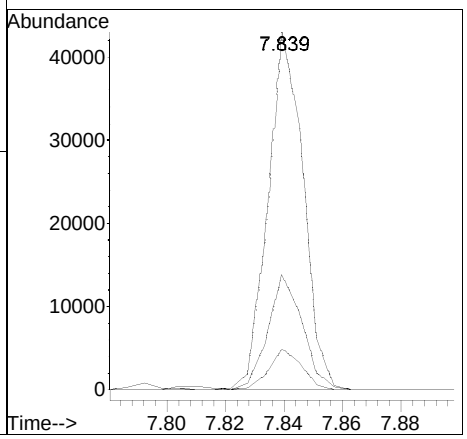


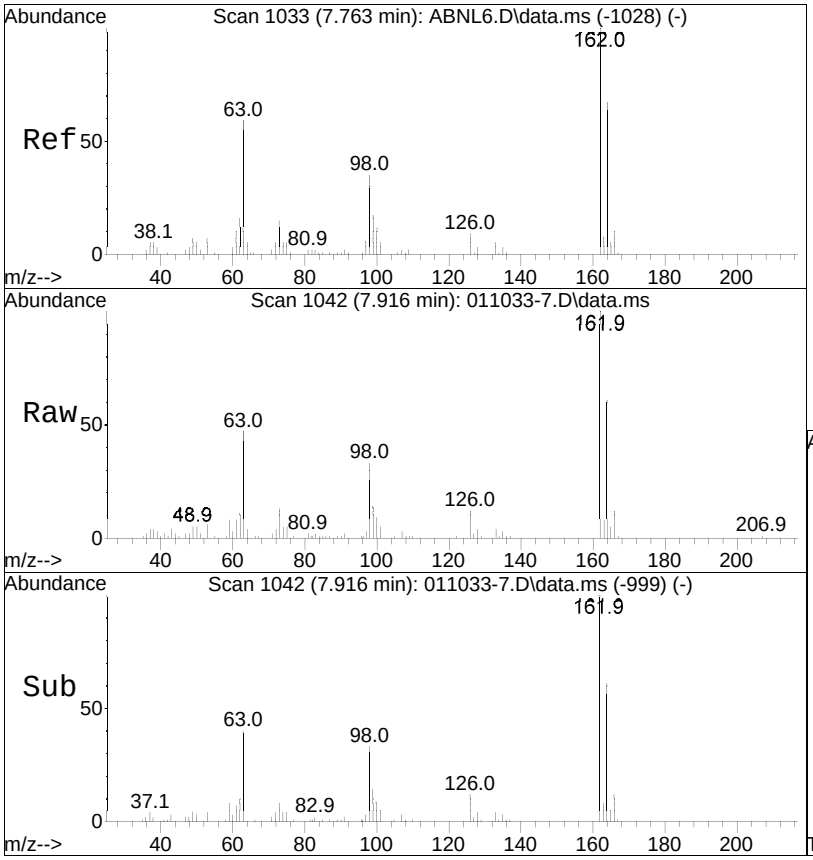


#24
Bis(2-chloroethoxy)methane
Concen: 1.51 ug/ml
RT: 7.839 min Scan# 1029
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 93 Resp: 35508

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.8
123	10.7	10.1	15.1

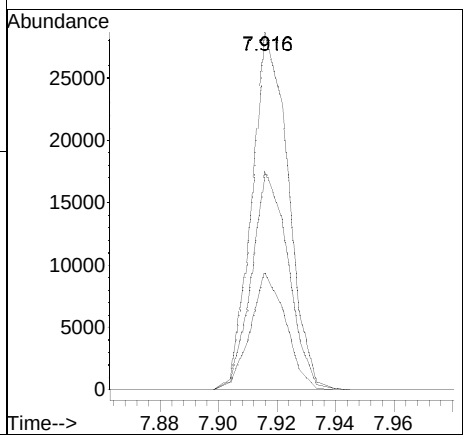


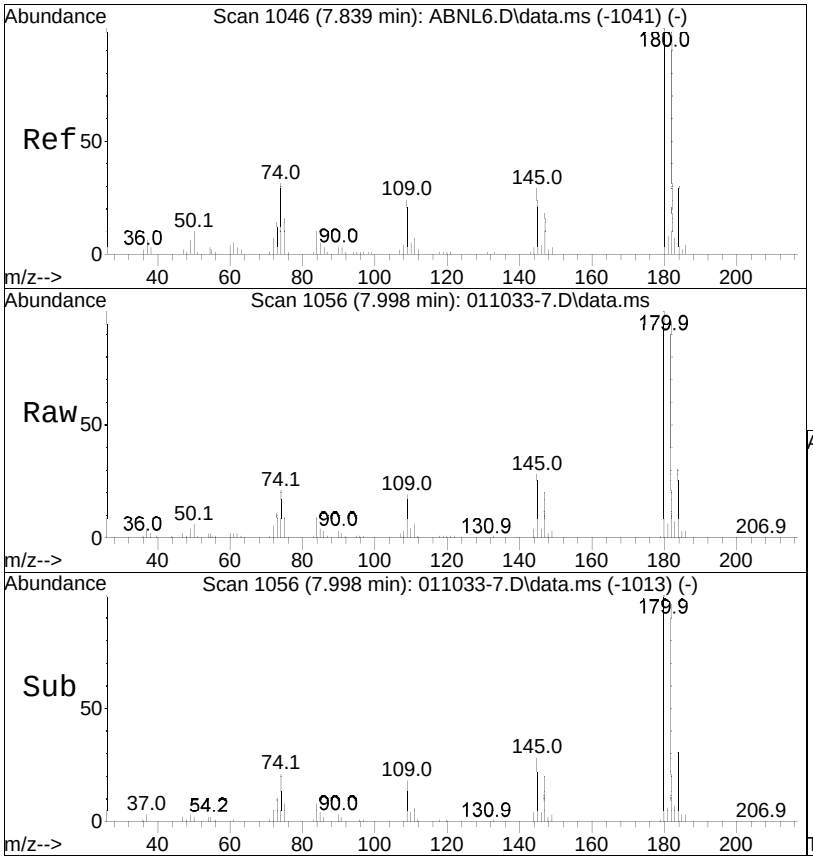


#25
2,4-Dichlorophenol
Concen: 1.35 ug/ml
RT: 7.916 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:162 Resp: 24639

Ion	Ratio	Lower	Upper
162	100		
164	61.5	51.0	76.4
98	31.9	32.2	48.2#

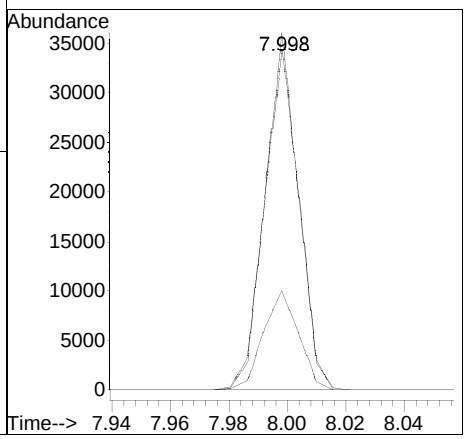


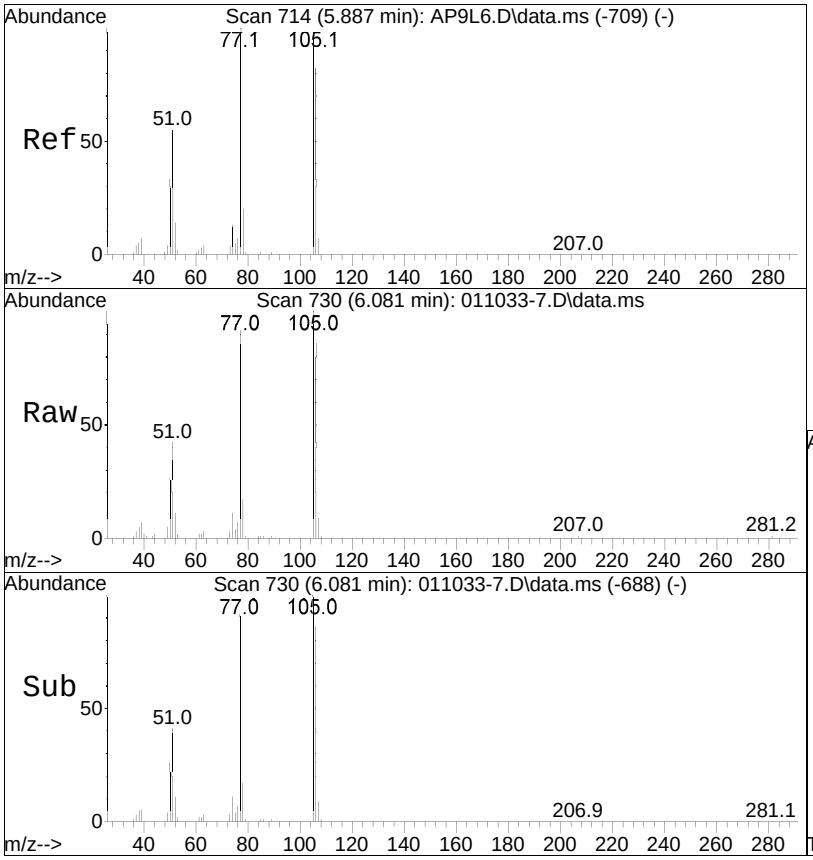


#26
1,2,4-Trichlorobenzene
Concen: 1.35 ug/ml
RT: 7.998 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:180 Resp: 28506

Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.0	114.0
145	29.3	25.7	38.5

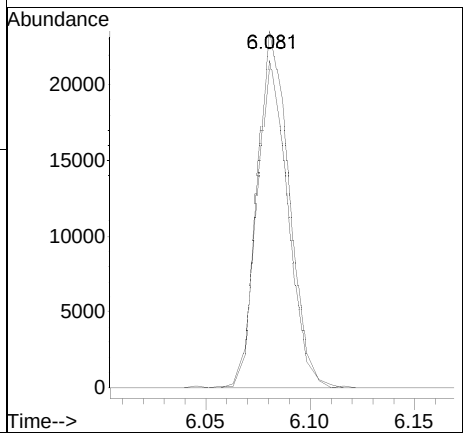


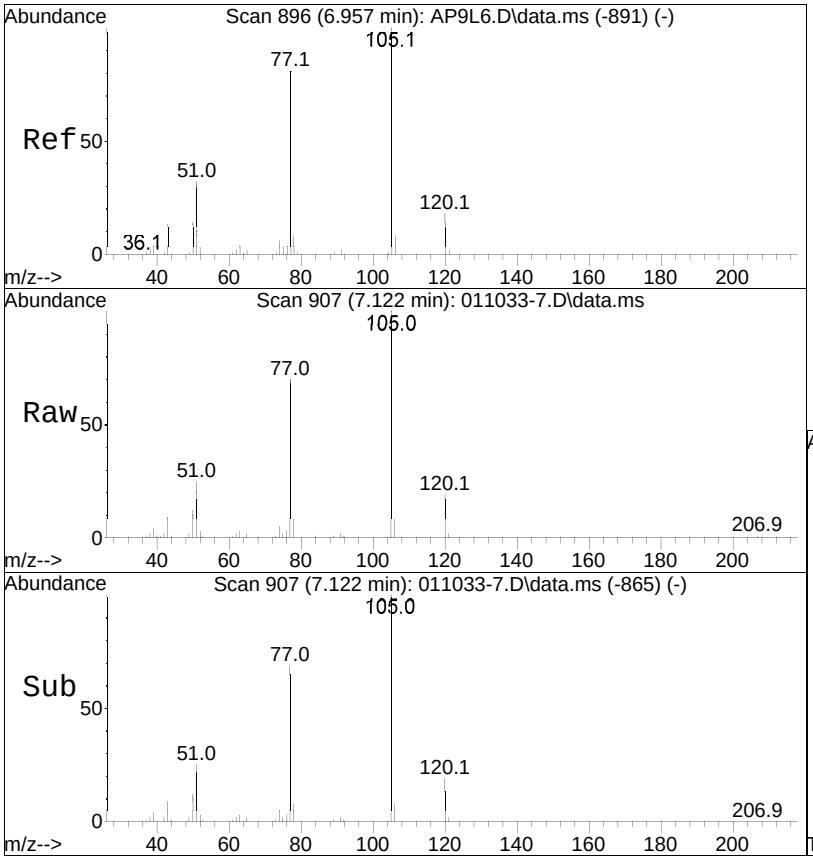


#28
Benzaldehyde
Concen: 1.80 ug/ml
RT: 6.081 min Scan# 730
Delta R.T. -0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:105 Resp: 24903

Ion	Ratio	Lower	Upper
105	100		
77	89.9	82.2	123.4

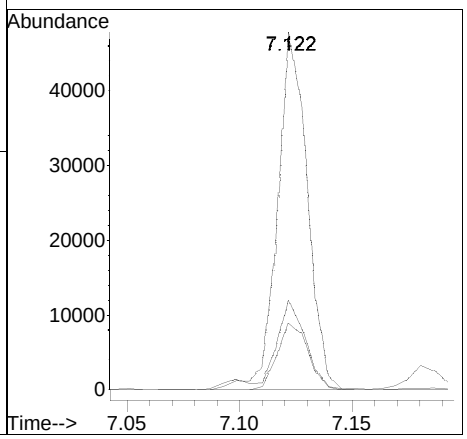


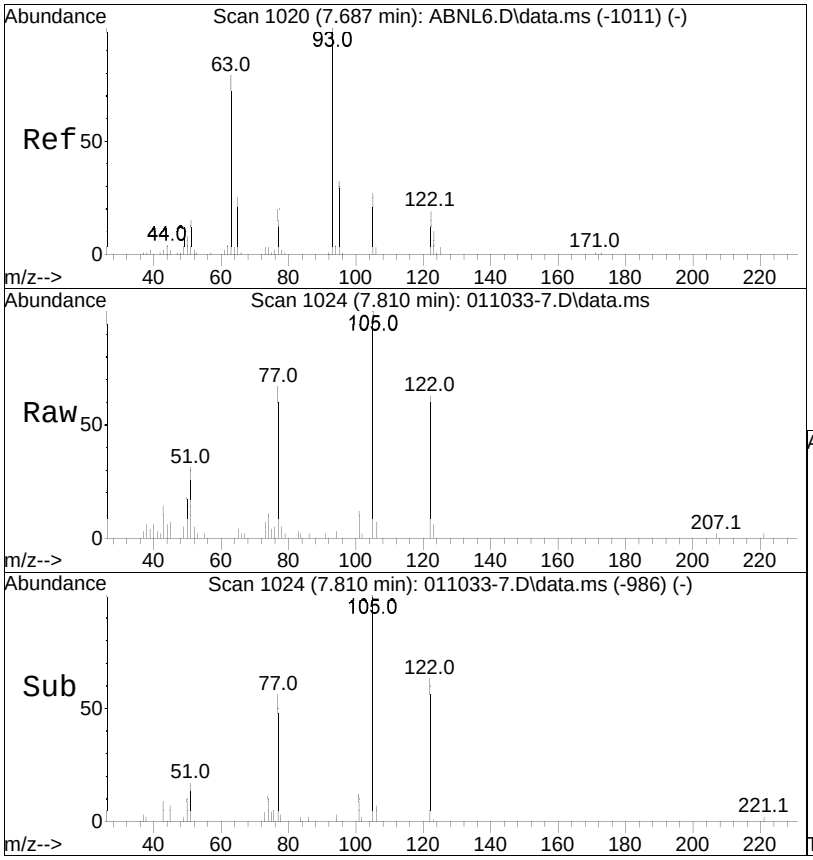


#29
Acetophenone
Concen: 1.63 ug/ml
RT: 7.122 min Scan# 907
Delta R.T. -0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:105 Resp: 43564

Ion	Ratio	Lower	Upper
105	100		
120	19.2	20.5	30.7#
51	27.5	34.9	52.3#

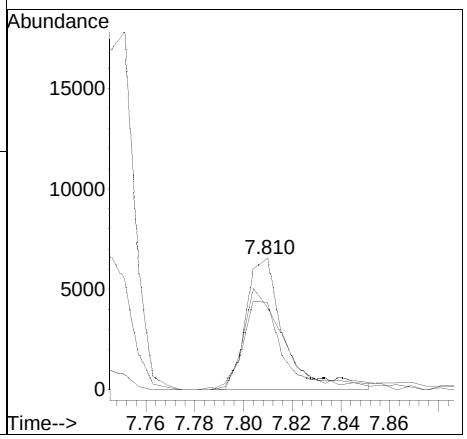


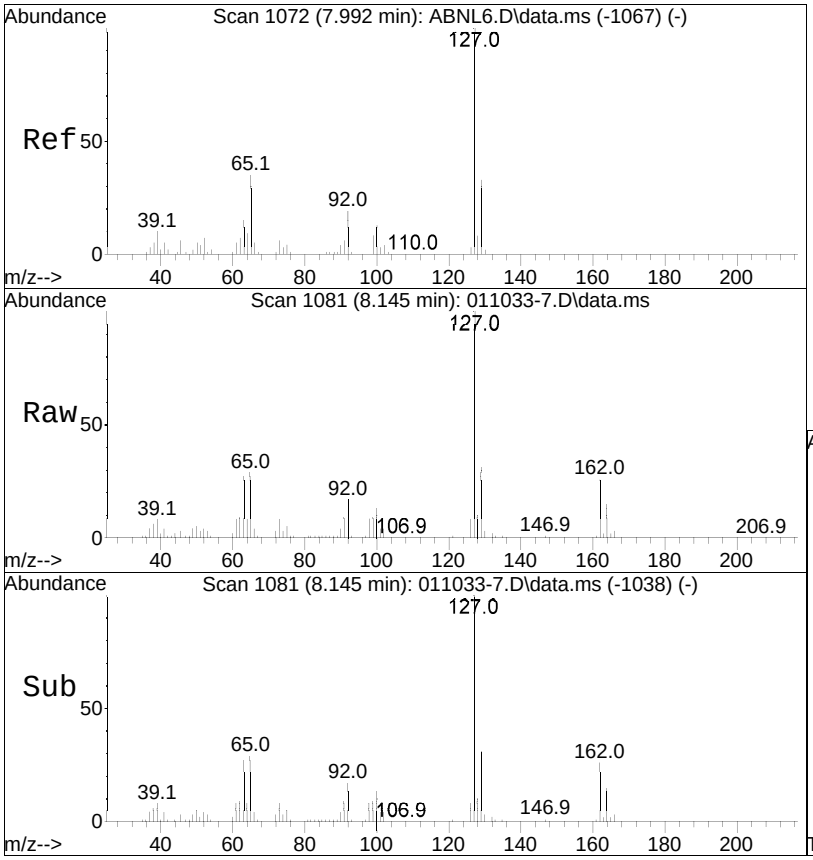


#37
Benzoic Acid
Concen: 1.74 ug/ml
RT: 7.810 min Scan# 1024
Delta R.T. -0.029 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:105 Resp: 7219

Ion	Ratio	Lower	Upper
105	100		
122	77.3	59.9	89.9
77	75.4	60.1	90.1

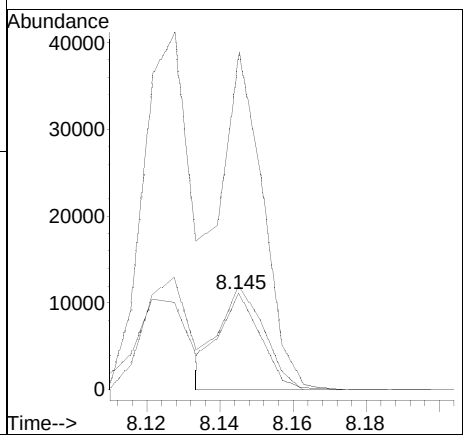


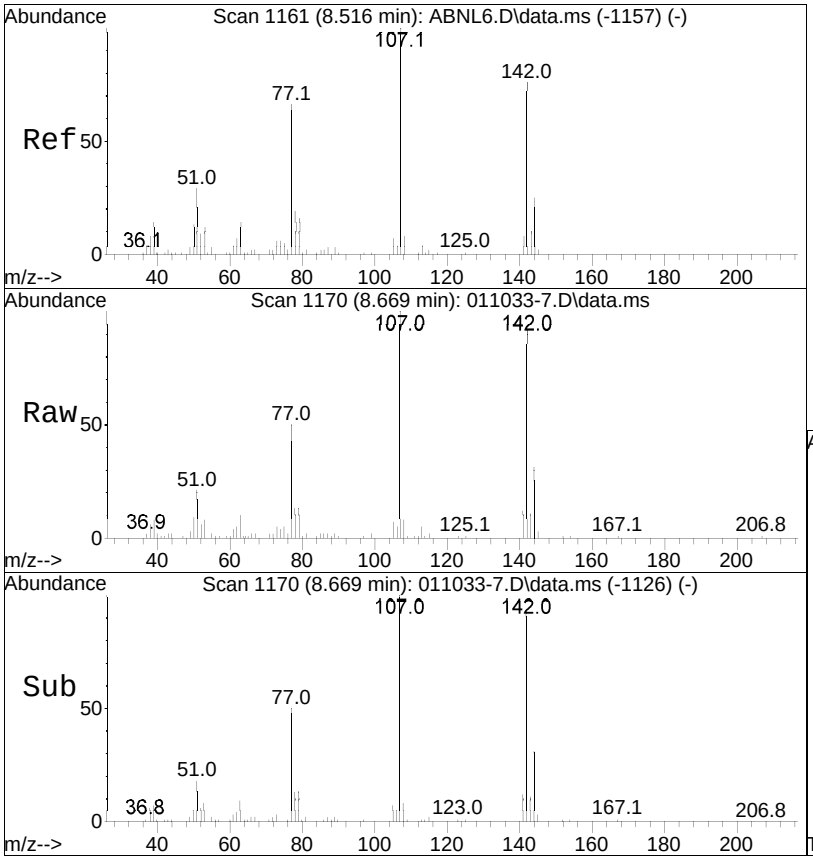


#38
4-Chloroaniline
Concen: 1.24 ug/ml
RT: 8.145 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 65 Resp: 8776

Ion	Ratio	Lower	Upper
65	100		
127	280.7	237.6	356.4
129	88.3	76.3	114.5

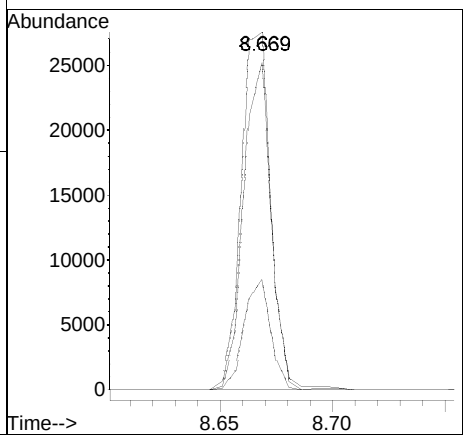


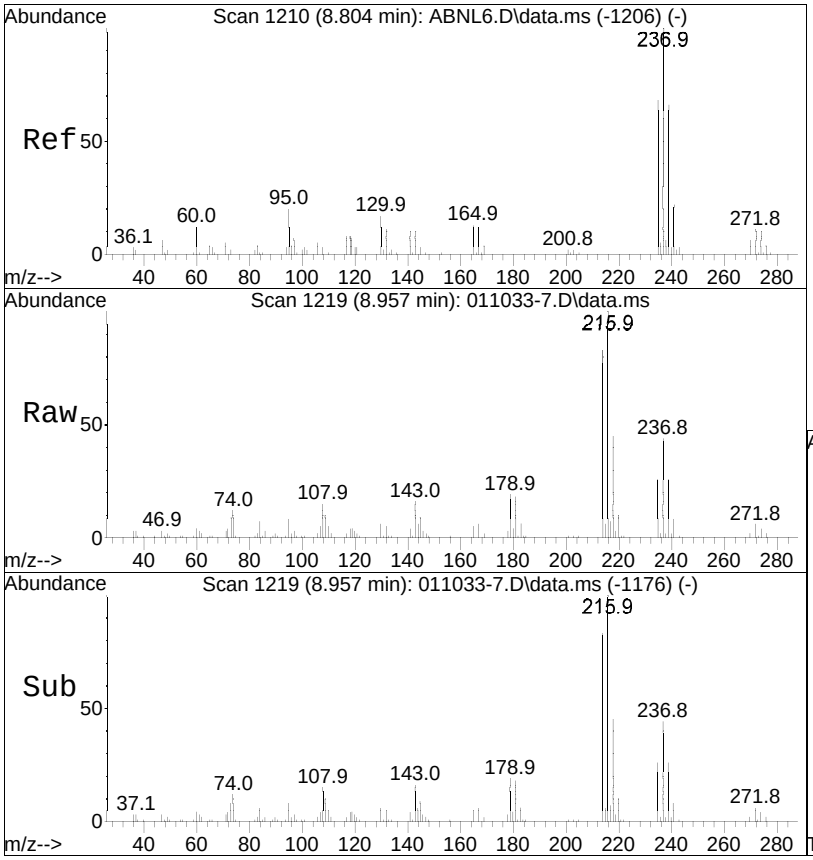


#40
p-Chloro-m-cresol
Concen: 1.52 ug/ml
RT: 8.669 min Scan# 1170
Delta R.T. 0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:107 Resp: 24995

Ion	Ratio	Lower	Upper
107	100		
144	27.9	20.9	31.3
142	84.5	66.1	99.1

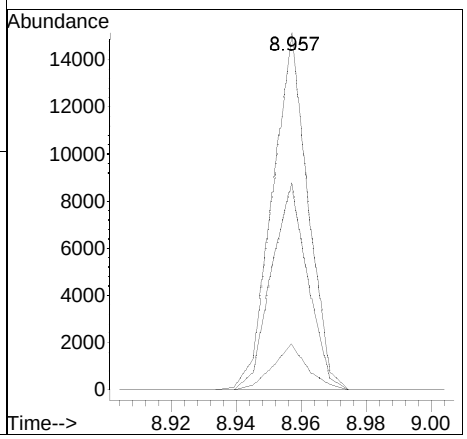


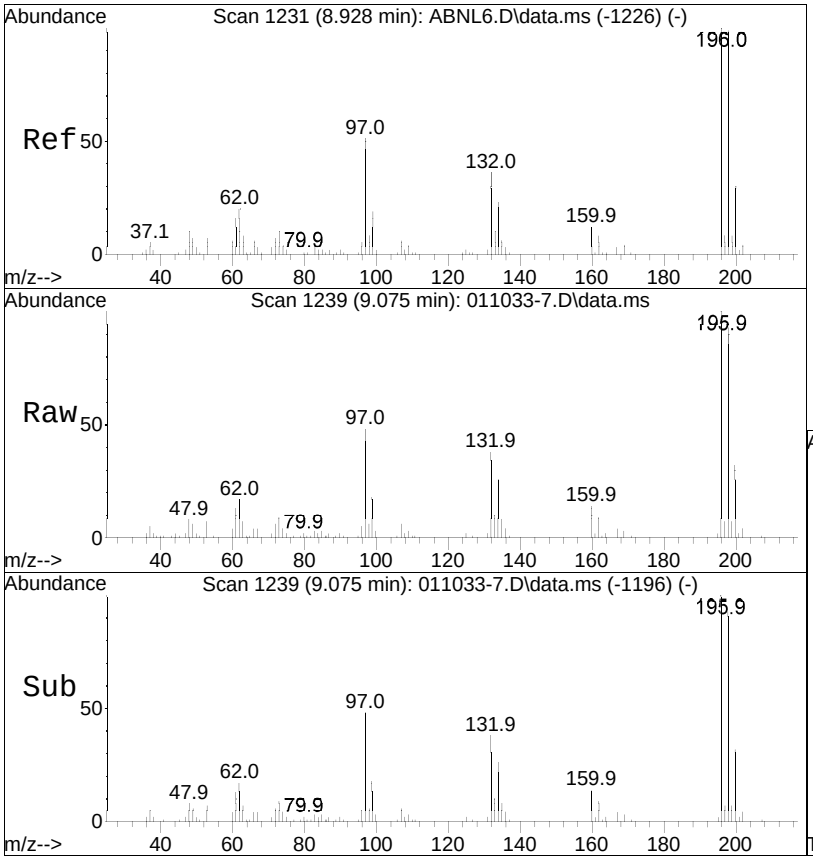


#43
Hexachlorocyclopentadiene
Concen: 0.78 ug/ml
RT: 8.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:237 Resp: 11440

Ion	Ratio	Lower	Upper
237	100		
235	59.3	49.7	74.5
272	12.6	9.8	14.6

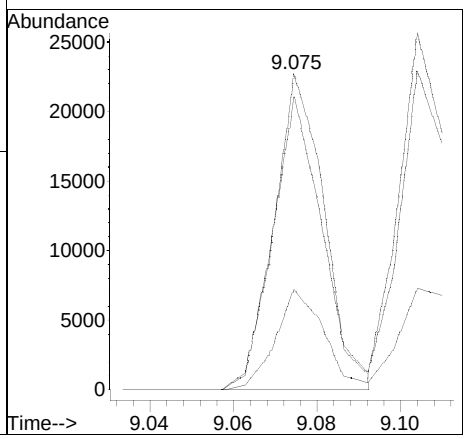


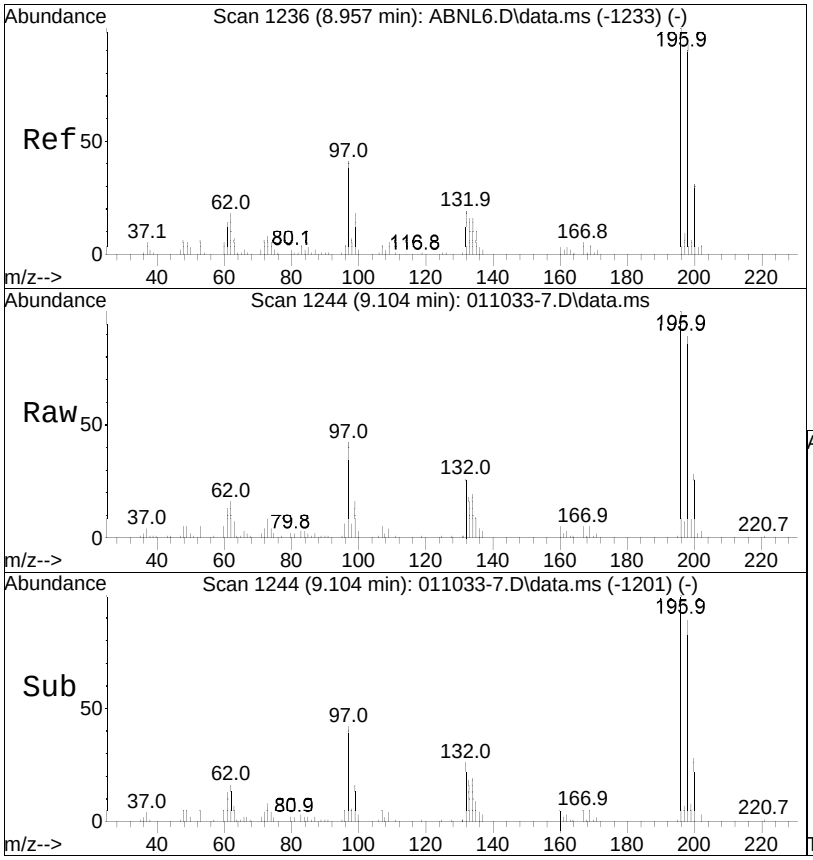


#44
2,4,6-Trichlorophenol
Concen: 1.23 ug/ml
RT: 9.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:196 Resp: 18911

Ion	Ratio	Lower	Upper
196	100		
198	92.2	77.5	116.3
200	31.2	23.8	35.6

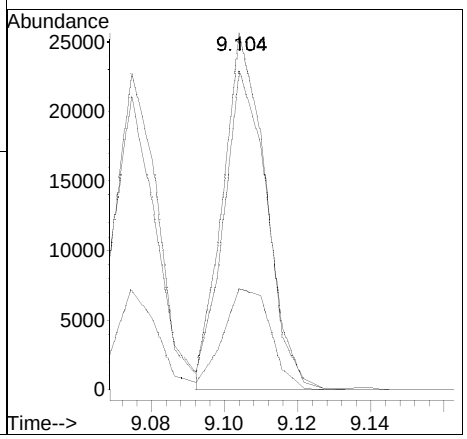


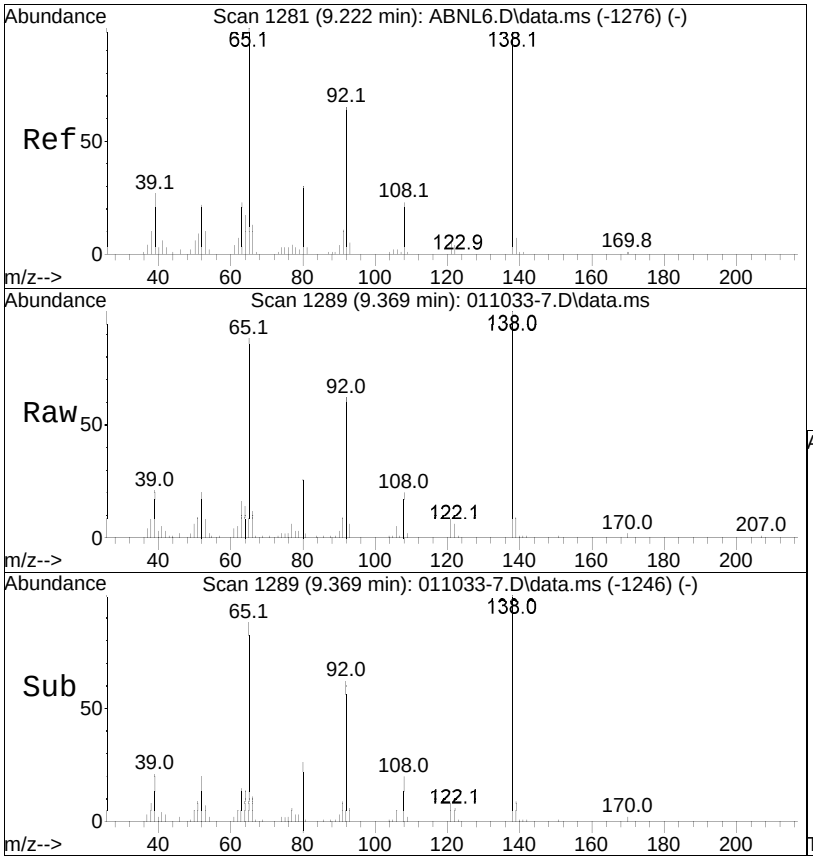


#45
2,4,5-Trichlorophenol
Concen: 1.31 ug/ml
RT: 9.104 min Scan# 1244
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:196 Resp: 20777

Ion	Ratio	Lower	Upper
196	100		
200	31.4	25.4	38.0
198	92.1	78.0	117.0

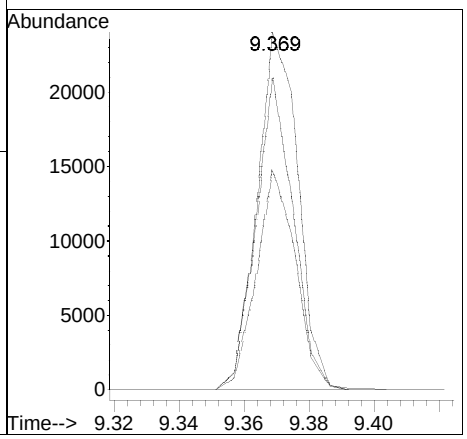


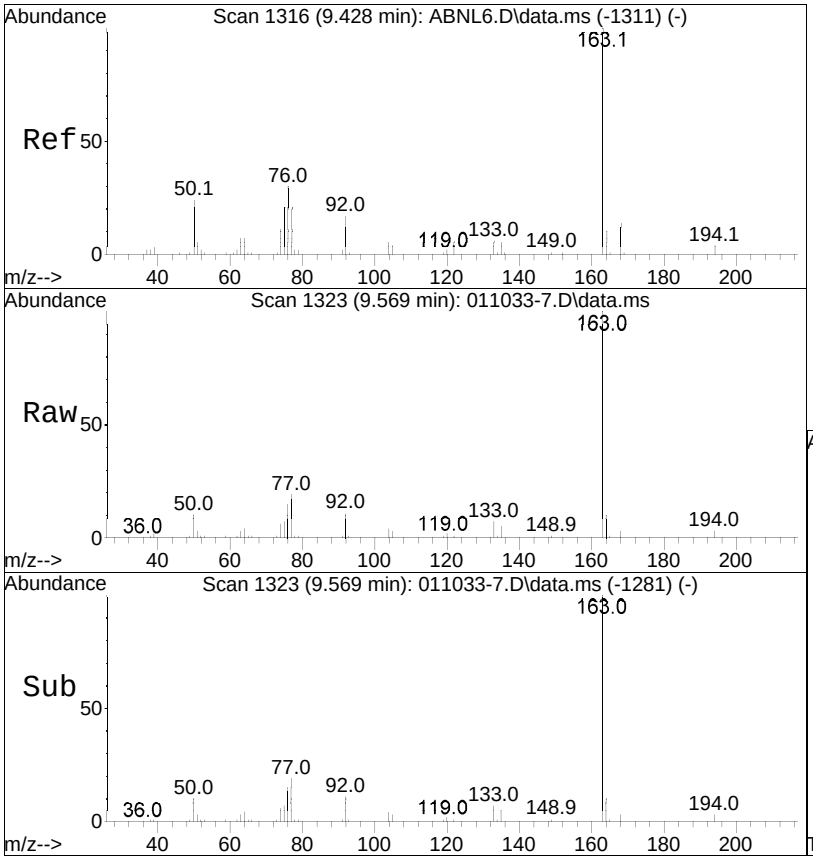


#48
2-Nitroaniline
Concen: 1.67 ug/ml
RT: 9.369 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:138 Resp: 20808

Ion	Ratio	Lower	Upper
138	100		
92	59.0	53.5	80.3
65	80.2	86.3	129.5#

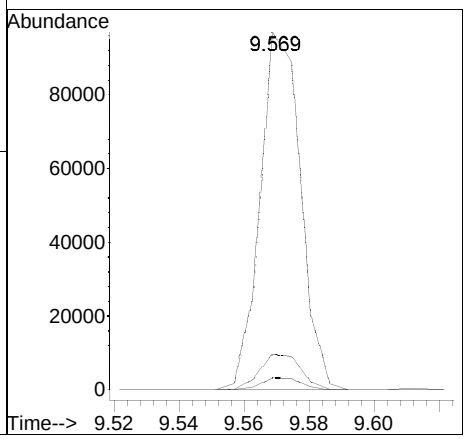


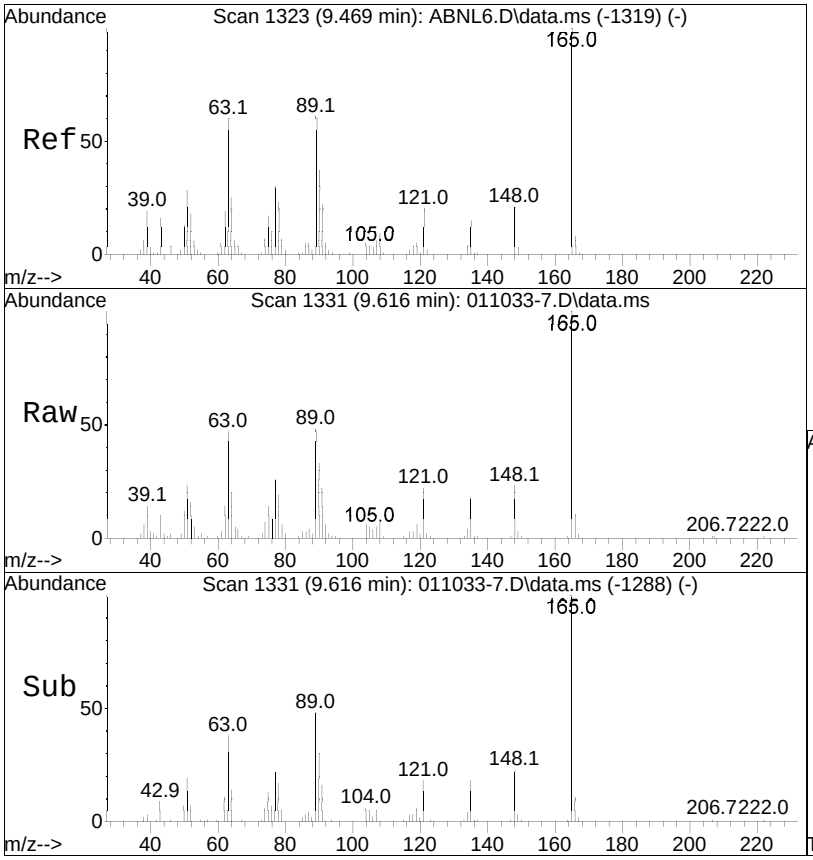


#51
Dimethyl phthalate
Concen: 1.63 ug/ml
RT: 9.569 min Scan# 1323
Delta R.T. -0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:163 Resp: 82857

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.3	7.9	11.9

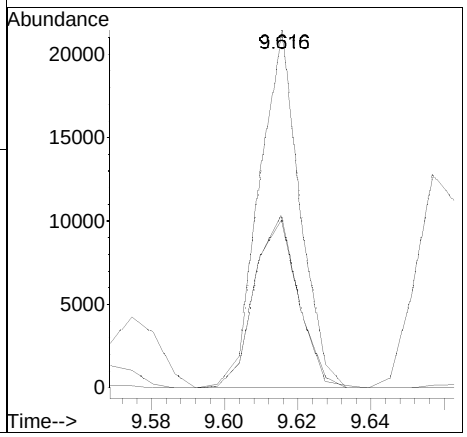


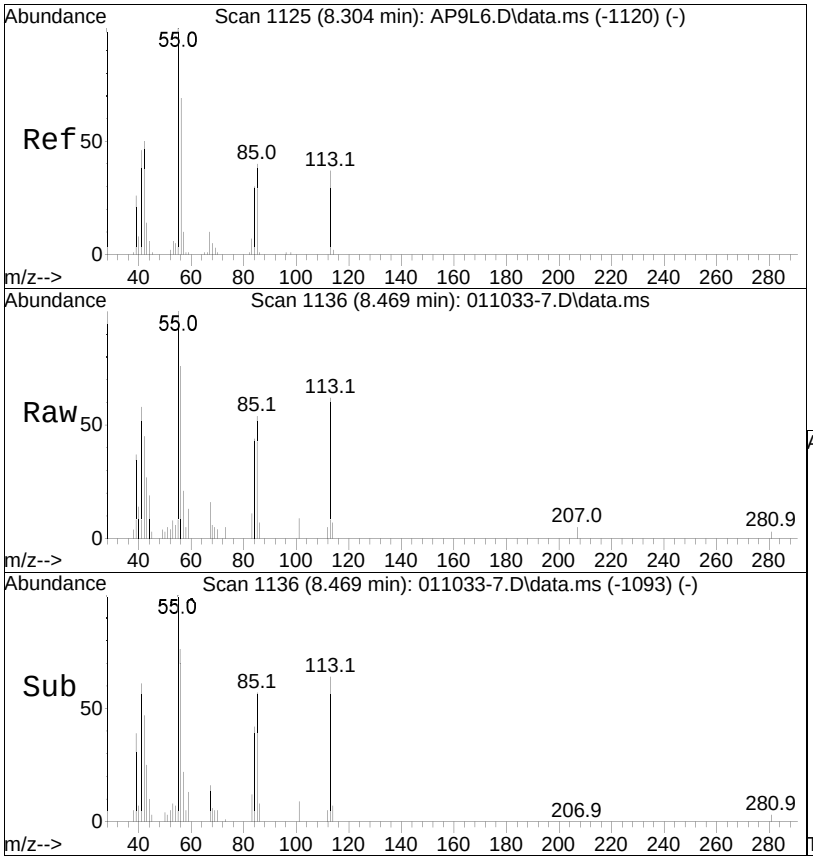


#53
2,6-Dinitrotoluene
Concen: 1.60 ug/ml
RT: 9.616 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:165 Resp: 16540

Ion	Ratio	Lower	Upper
165	100		
89	52.1	54.2	81.2#
63	51.9	64.2	96.2#

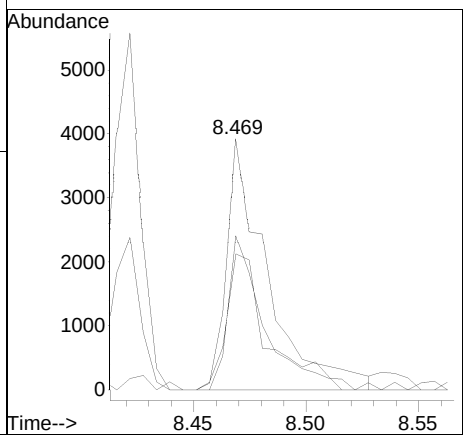


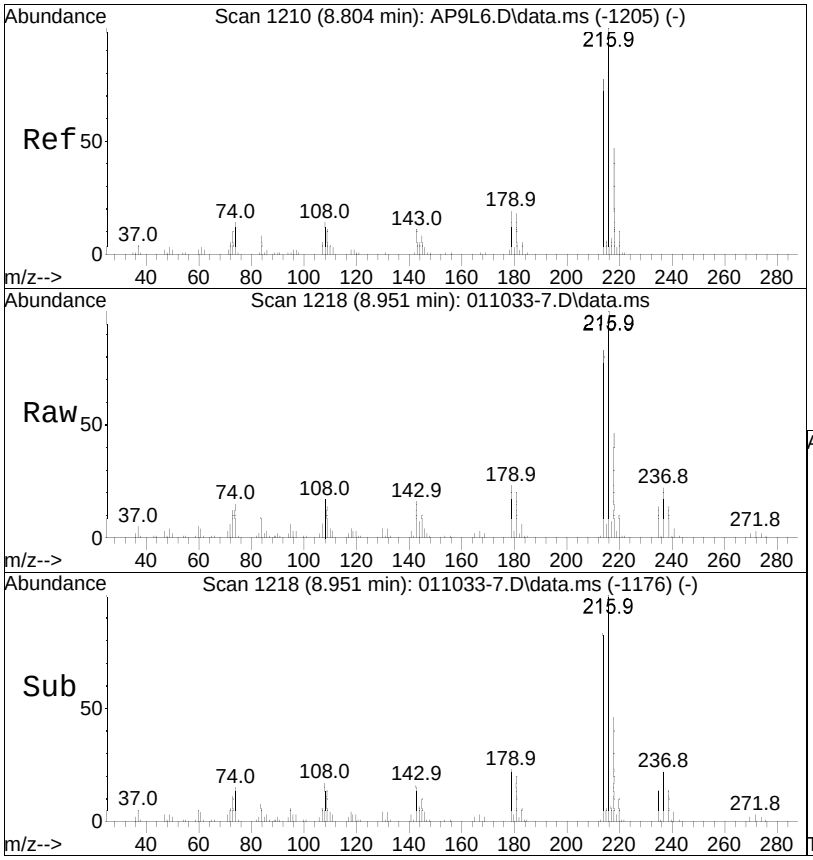


#60
Caprolactam
Concen: 0.61 ug/ml
RT: 8.469 min Scan# 1136
Delta R.T. 0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 55 Resp: 4970

Ion	Ratio	Lower	Upper
55	100		
85	54.8	19.8	29.6#
113	55.2	29.6	44.4#

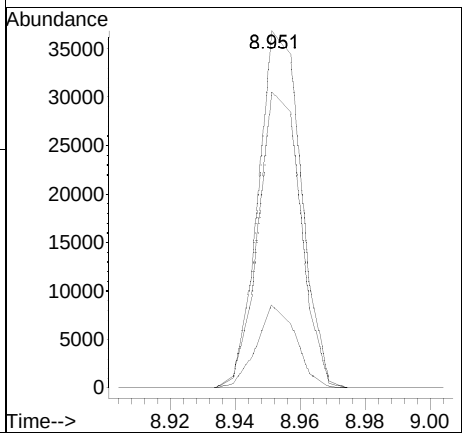


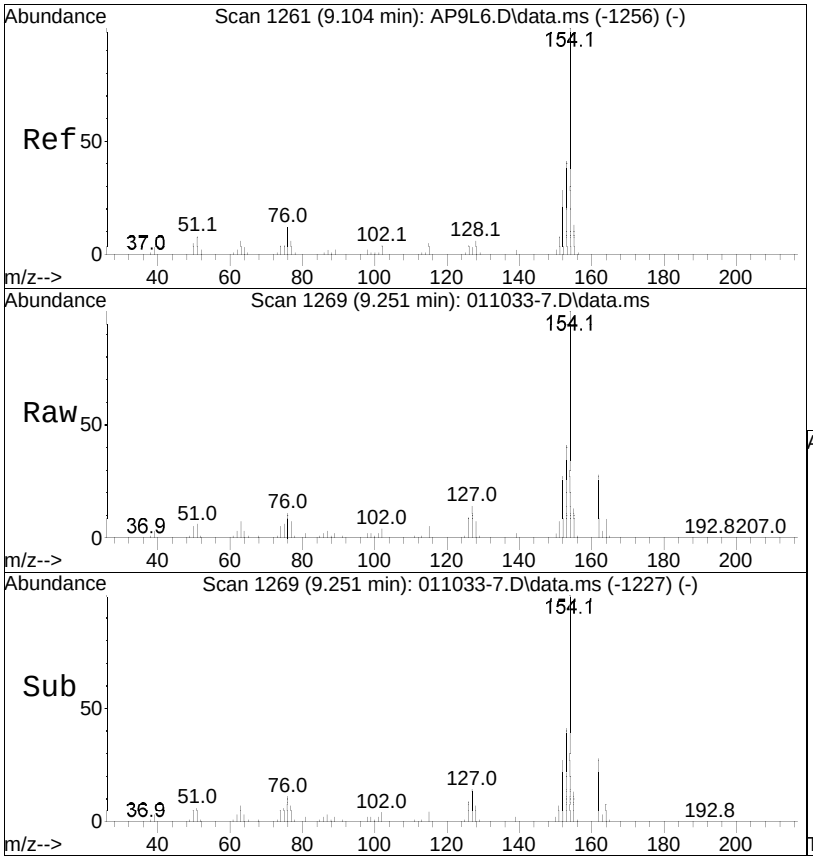


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.50 ug/ml
RT: 8.951 min Scan# 1218
Delta R.T. -0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:216 Resp: 33597

Ion	Ratio	Lower	Upper
216	100		
214	82.2	63.7	95.5
179	21.6	19.0	28.6

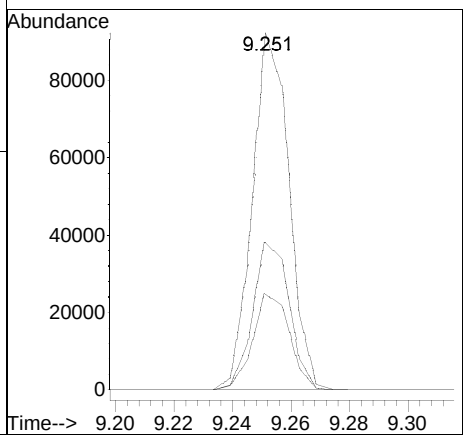


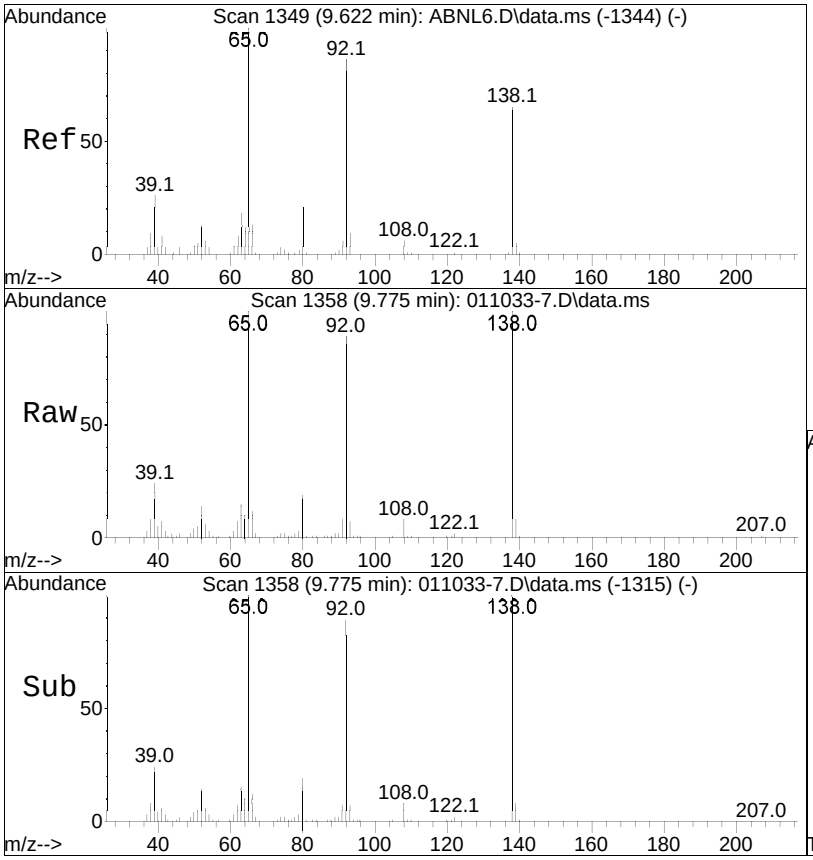


#62
Biphenyl
Concen: 1.58 ug/ml
RT: 9.251 min Scan# 1269
Delta R.T. -0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:154 Resp: 79664

Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.3	48.5
152	27.4	22.5	33.7

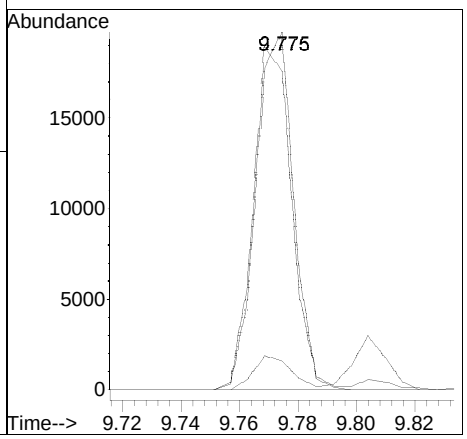


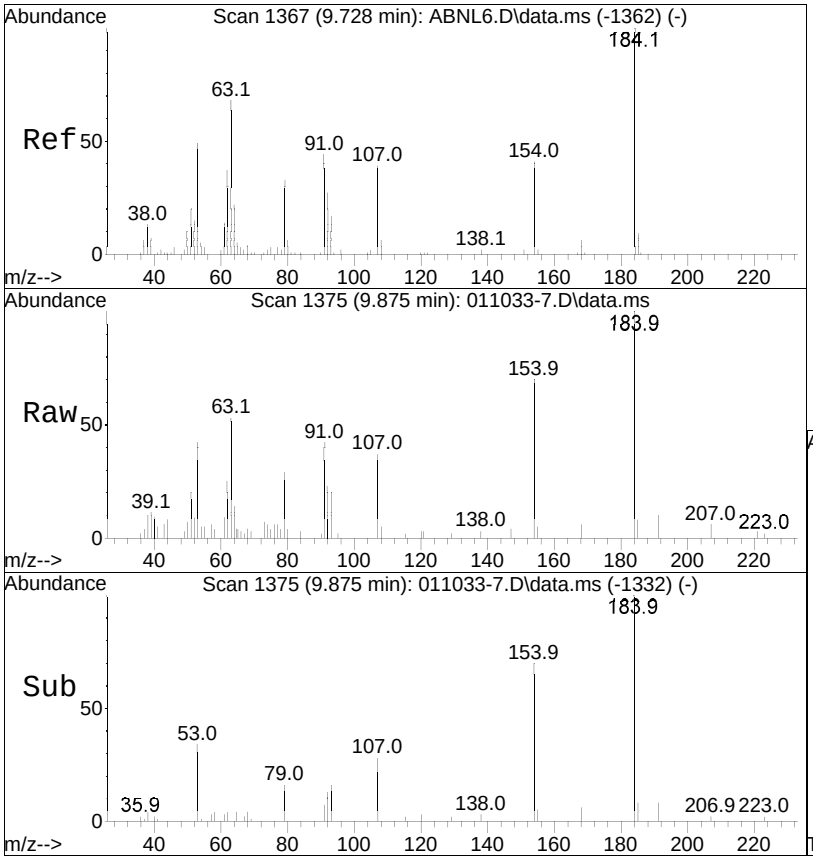


#64
3-Nitroaniline
Concen: 1.71 ug/ml
RT: 9.775 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:138 Resp: 17471

Ion	Ratio	Lower	Upper
138	100		
92	98.6	93.4	140.2
108	9.8	9.5	14.3

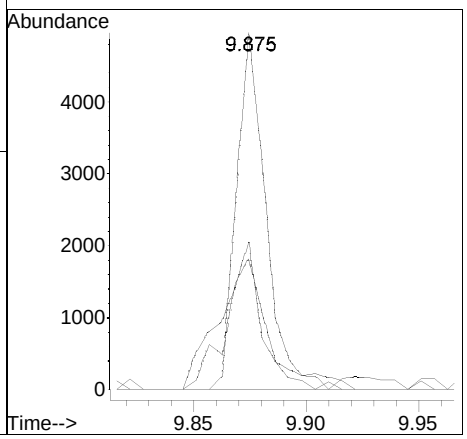


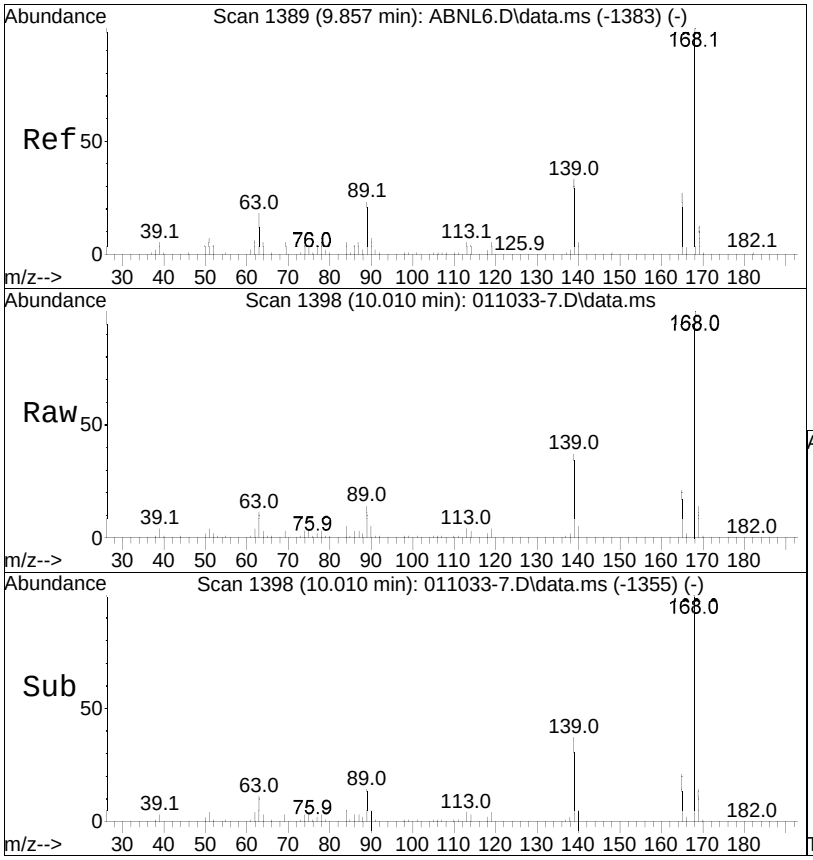


#66
2,4-Dinitrophenol
Concen: 1.76 ug/ml
RT: 9.875 min Scan# 1375
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:184 Resp: 4589

Ion	Ratio	Lower	Upper
184	100		
107	49.2	37.7	56.5
91	58.1	46.3	69.5

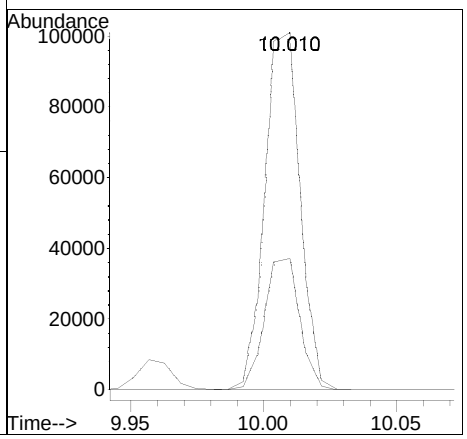


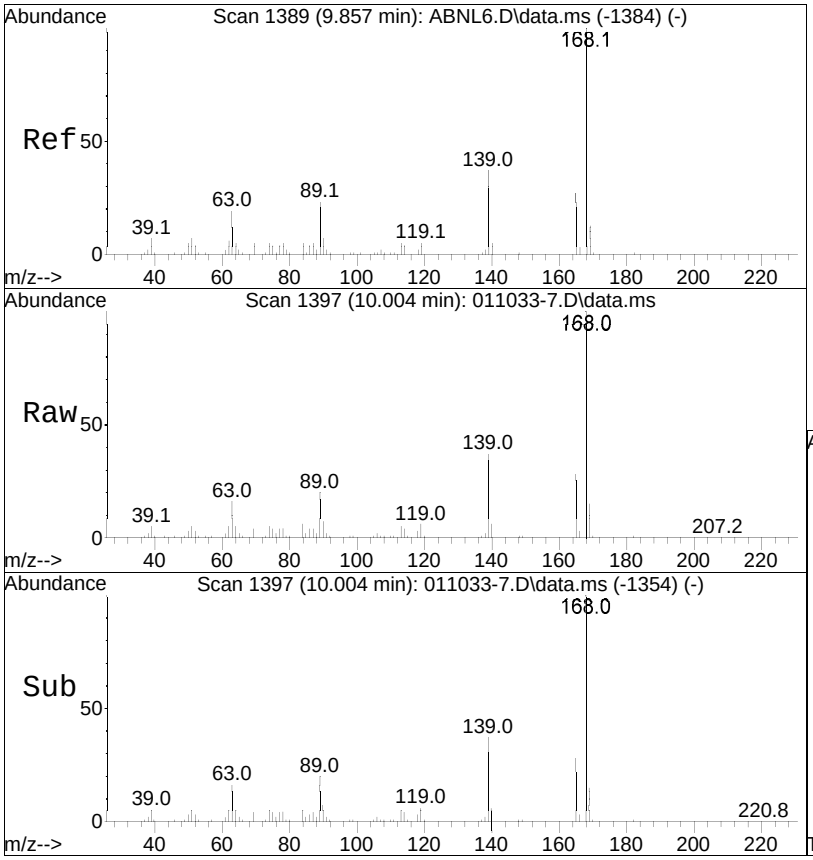


#67
Dibenzofuran
Concen: 1.56 ug/ml
RT: 10.010 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:168 Resp: 92497

Ion	Ratio	Lower	Upper
168	100		
139	37.0	31.4	47.2

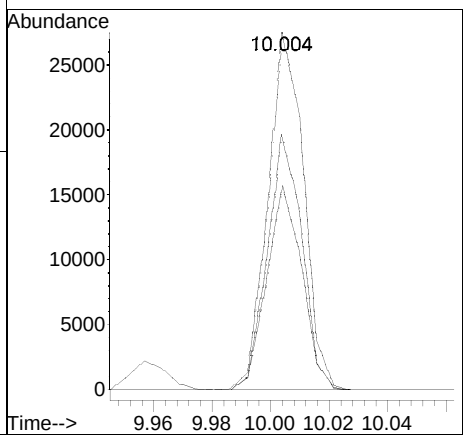


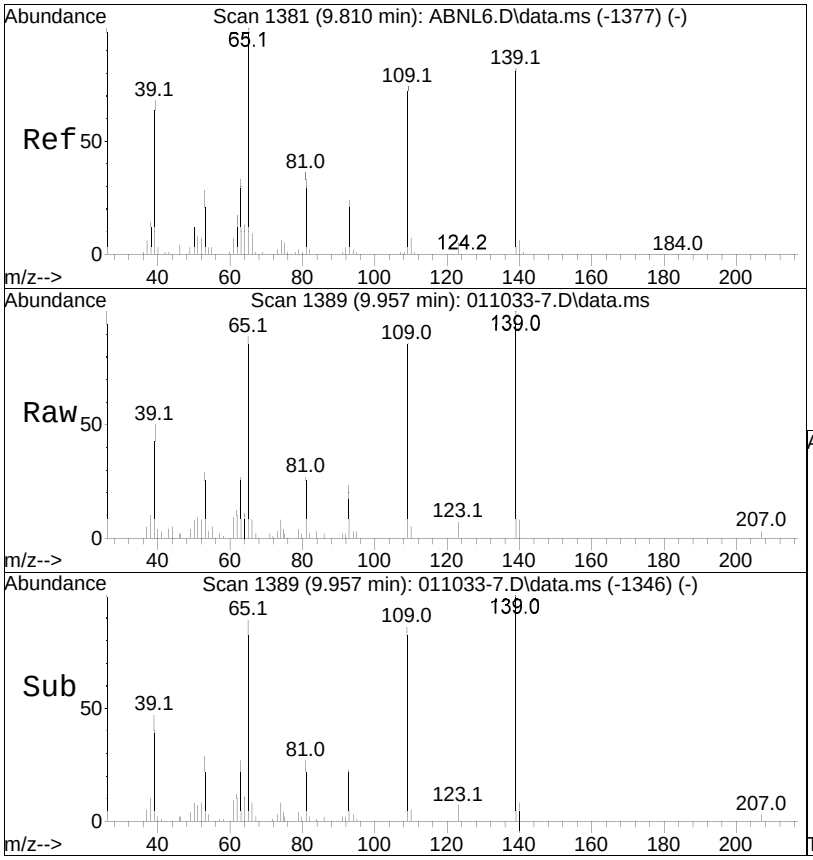


#68
2,4-Dinitrotoluene
Concen: 1.74 ug/ml
RT: 10.004 min Scan# 1397
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:165 Resp: 23066

Ion	Ratio	Lower	Upper
165	100		
89	69.2	72.0	108.0#
63	56.7	52.7	79.1

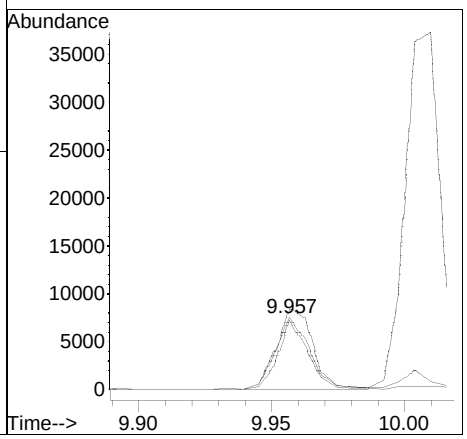


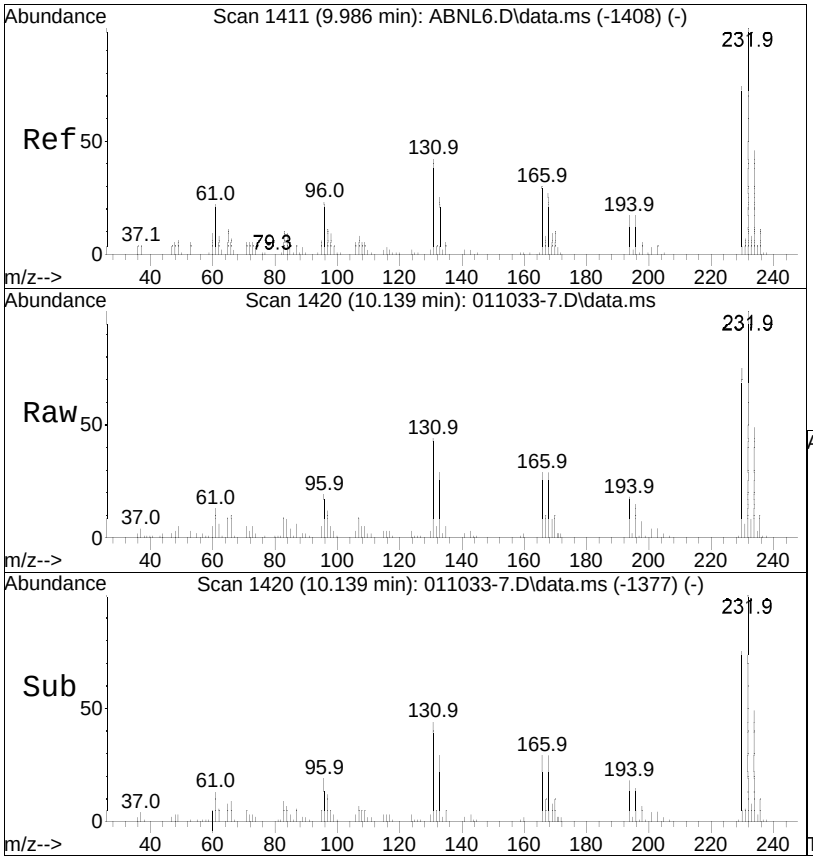


#69
4-Nitrophenol
Concen: 0.91 ug/ml
RT: 9.957 min Scan# 1389
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 65 Resp: 6914

Ion	Ratio	Lower	Upper
65	100		
109	82.1	47.4	71.2#
139	115.2	76.6	115.0#

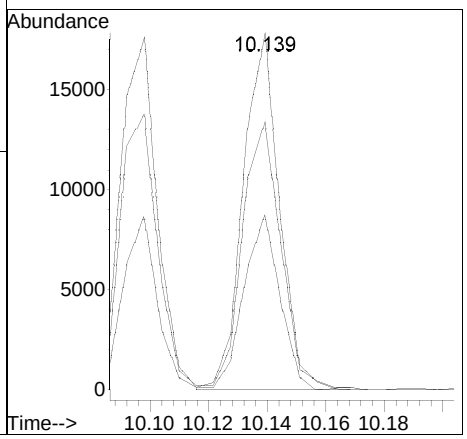


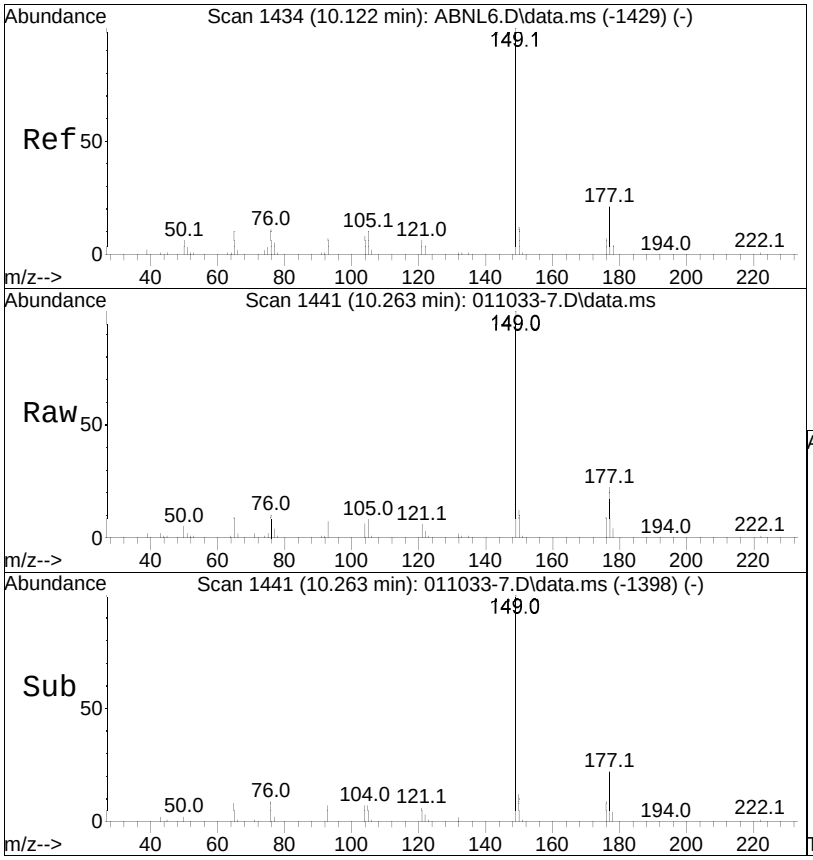


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.26 ug/ml
RT: 10.139 min Scan# 1420
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:232 Resp: 15399

Ion	Ratio	Lower	Upper
232	100		
230	79.9	61.8	92.8
234	48.5	36.2	54.2

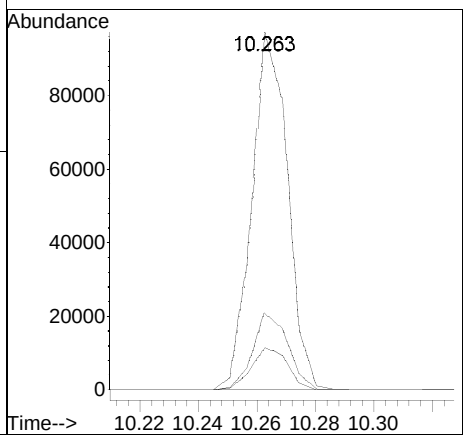


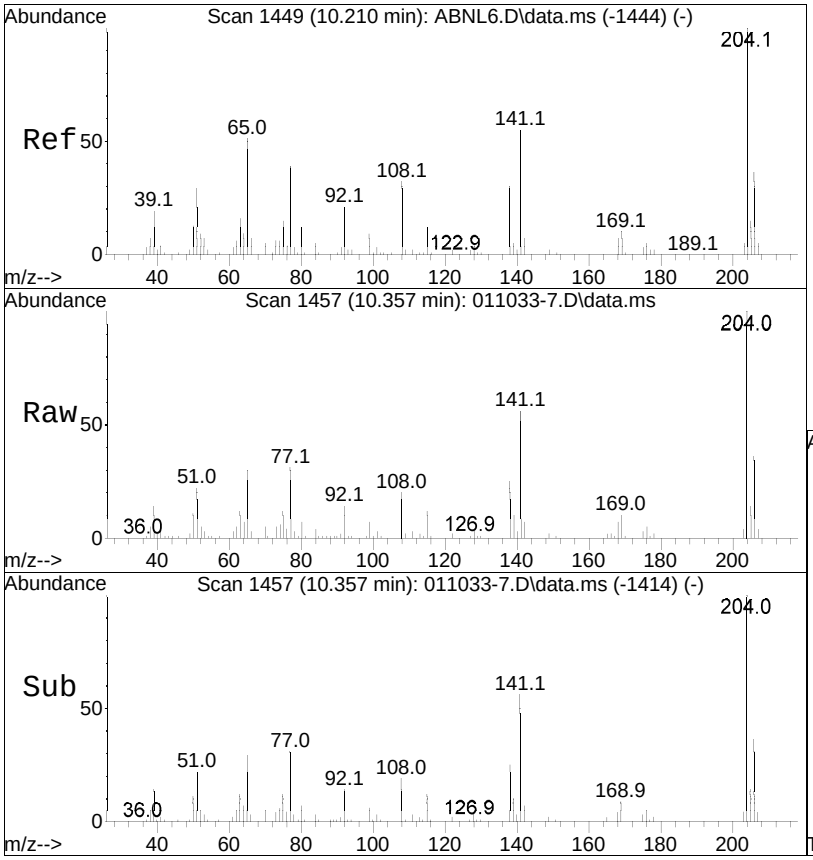


#72
Diethyl phthalate
Concen: 1.70 ug/ml
RT: 10.263 min Scan# 1441
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:149 Resp: 81521

Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.1	24.1
150	12.0	9.4	14.2

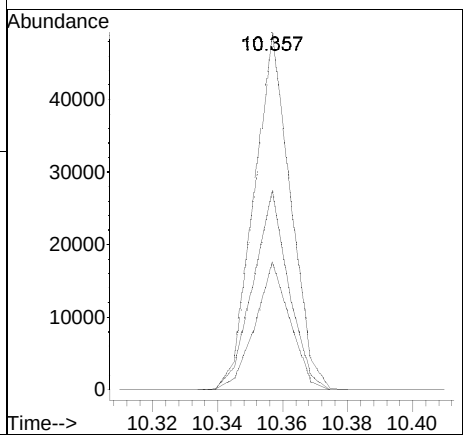


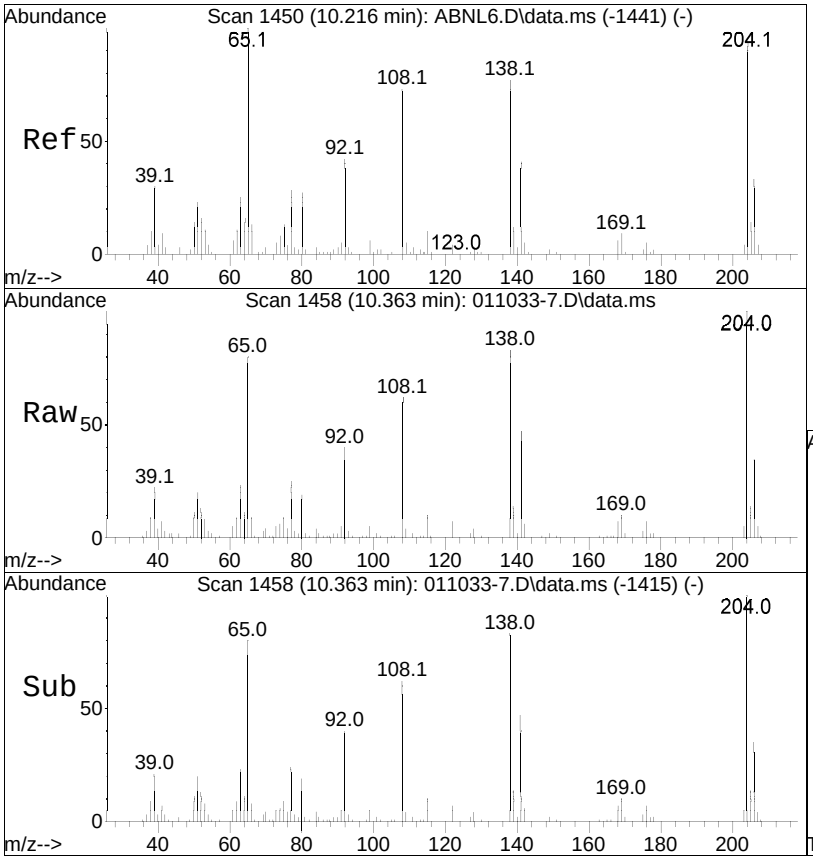


#74
4-Chlorophenyl phenyl ether
Concen: 1.61 ug/ml
RT: 10.357 min Scan# 1457
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:204 Resp: 38215

Ion	Ratio	Lower	Upper
204	100		
206	34.3	25.8	38.6
141	54.6	53.6	80.4

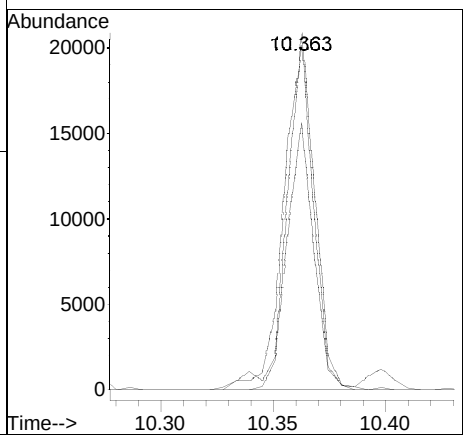


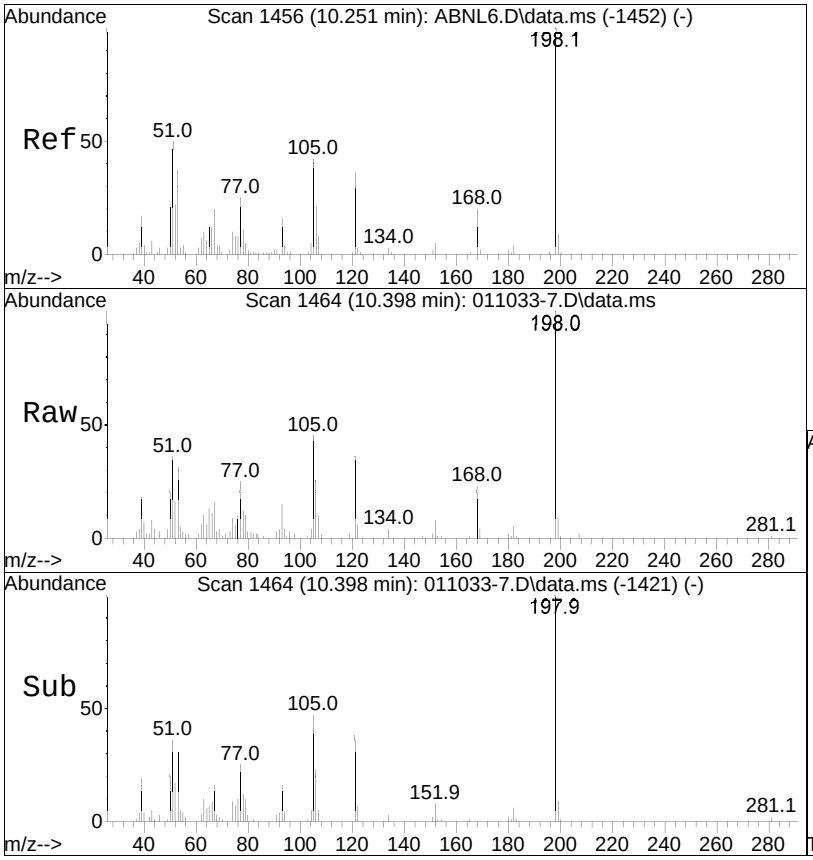


#75
4-Nitroaniline
Concen: 1.72 ug/ml
RT: 10.363 min Scan# 1458
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:138 Resp: 17886

Ion	Ratio	Lower	Upper
138	100		
108	71.8	52.1	78.1
65	103.7	115.0	172.6#

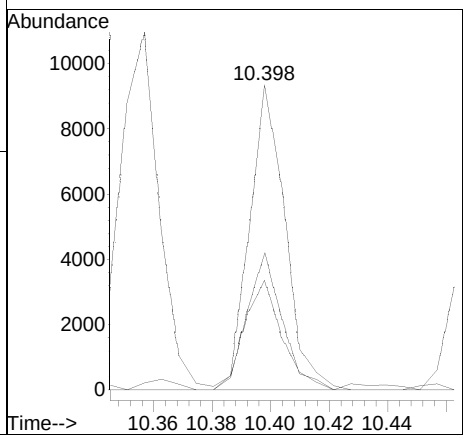


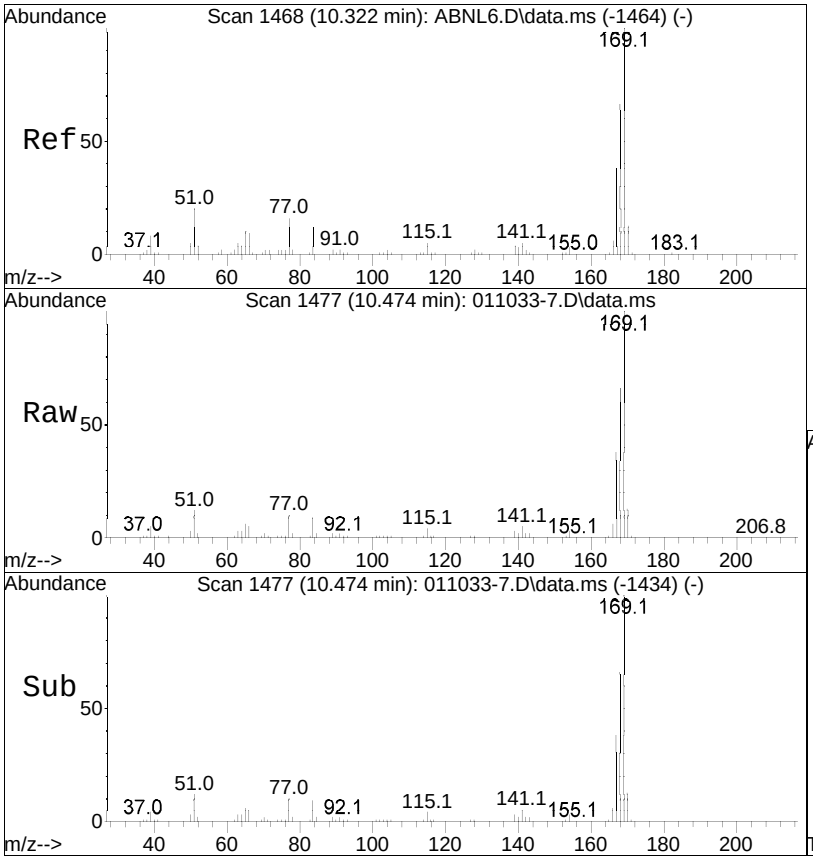


#76
4,6-Dinitro-o-cresol
Concen: 1.16 ug/ml
RT: 10.398 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:198 Resp: 7884

Ion	Ratio	Lower	Upper
198	100		
51	38.0	76.0	114.0#
105	44.8	45.6	68.4#

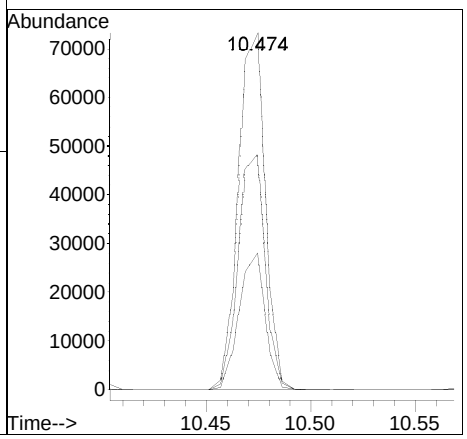


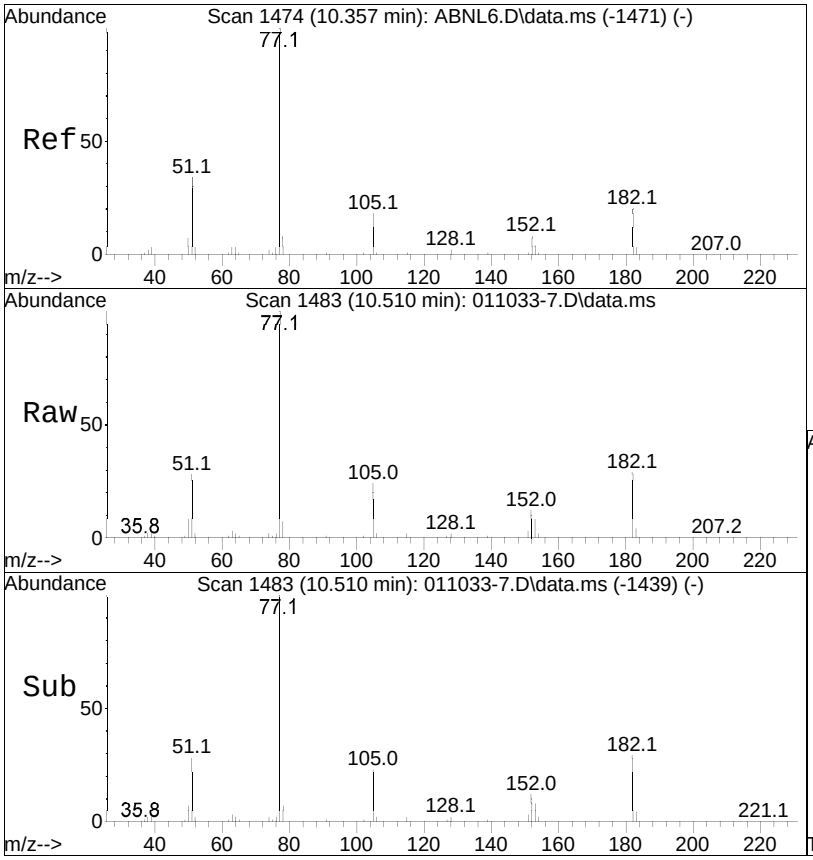


#77
NDPA/DPA
Concen: 1.64 ug/ml
RT: 10.474 min Scan# 1477
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:169 Resp: 65401

Ion	Ratio	Lower	Upper
169	100		
168	65.9	54.0	81.0
167	37.5	28.6	42.8

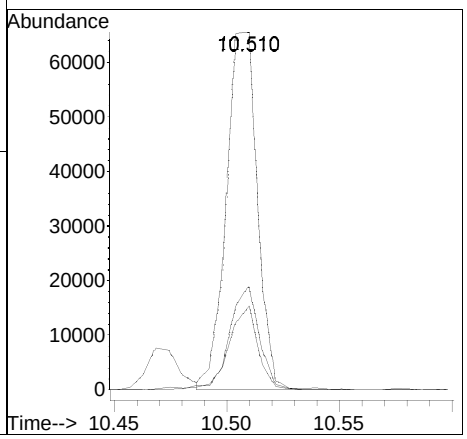


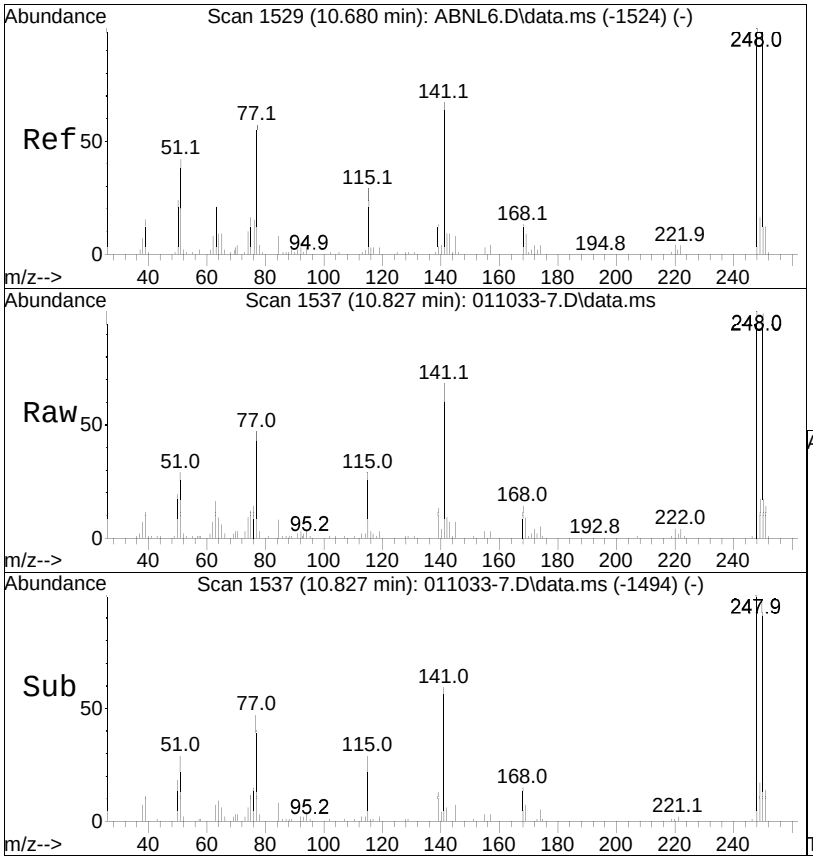


#78
Azobenzene
Concen: 1.60 ug/ml
RT: 10.510 min Scan# 1483
Delta R.T. 0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion: 77 Resp: 62376

Ion	Ratio	Lower	Upper
77	100		
182	28.0	17.4	26.2#
105	23.0	15.4	23.2

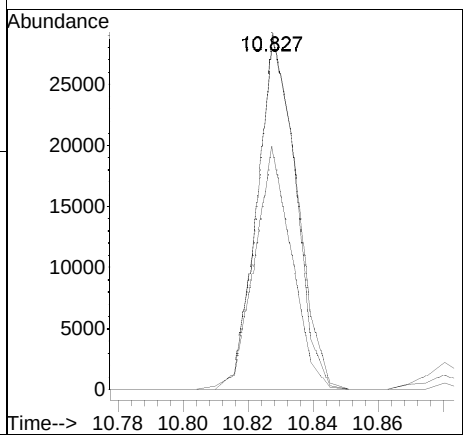


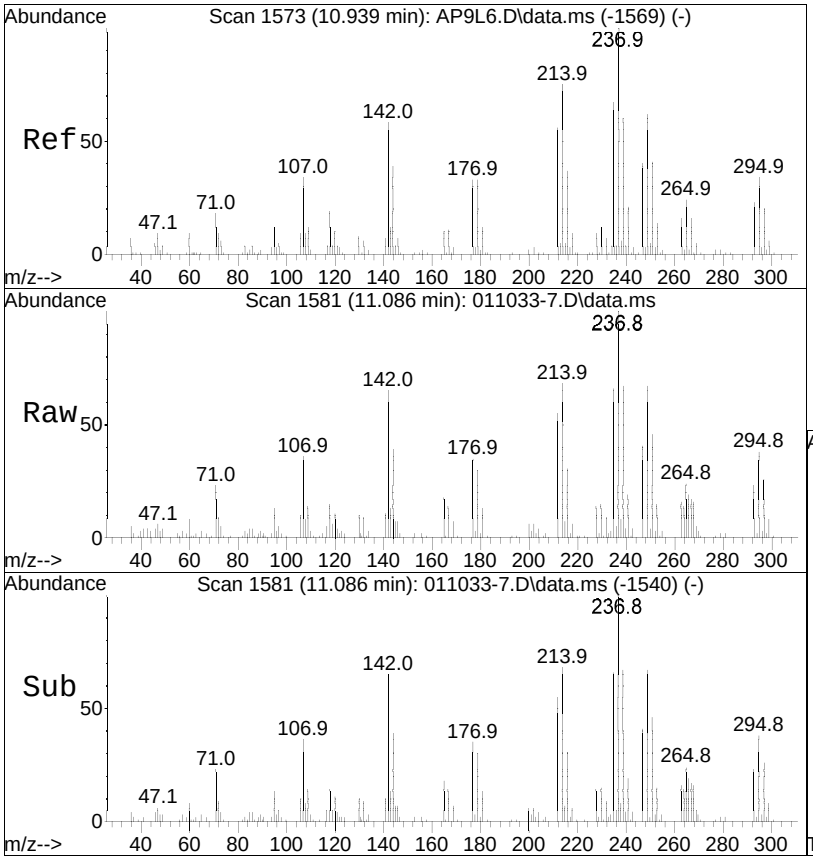


#80
4-Bromophenyl phenyl ether
Concen: 1.66 ug/ml
RT: 10.827 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:248 Resp: 24404

Ion	Ratio	Lower	Upper
248	100		
141	64.4	76.6	114.8#
250	96.5	77.3	115.9

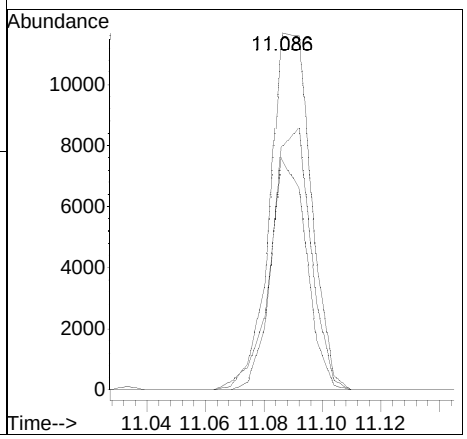


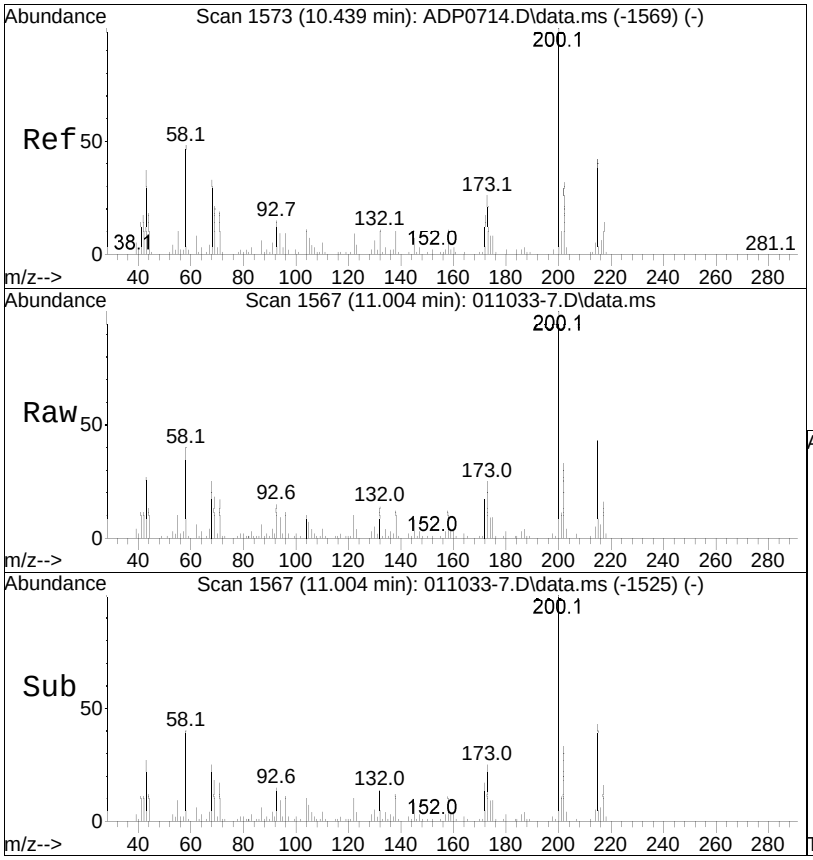


#85
Pentachloronitrobenzene
Concen: 1.86 ug/ml
RT: 11.086 min Scan# 1581
Delta R.T. -0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:237 Resp: 11407

Ion	Ratio	Lower	Upper
237	100		
142	59.8	77.0	115.4#
214	68.0	58.2	87.4

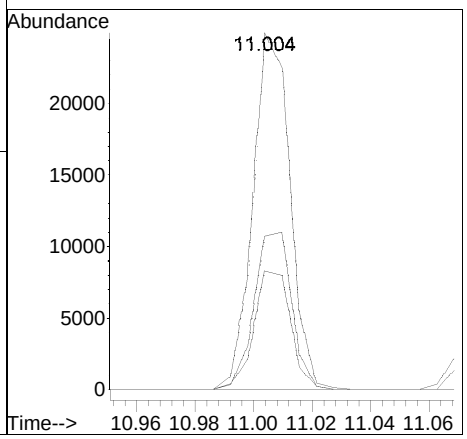


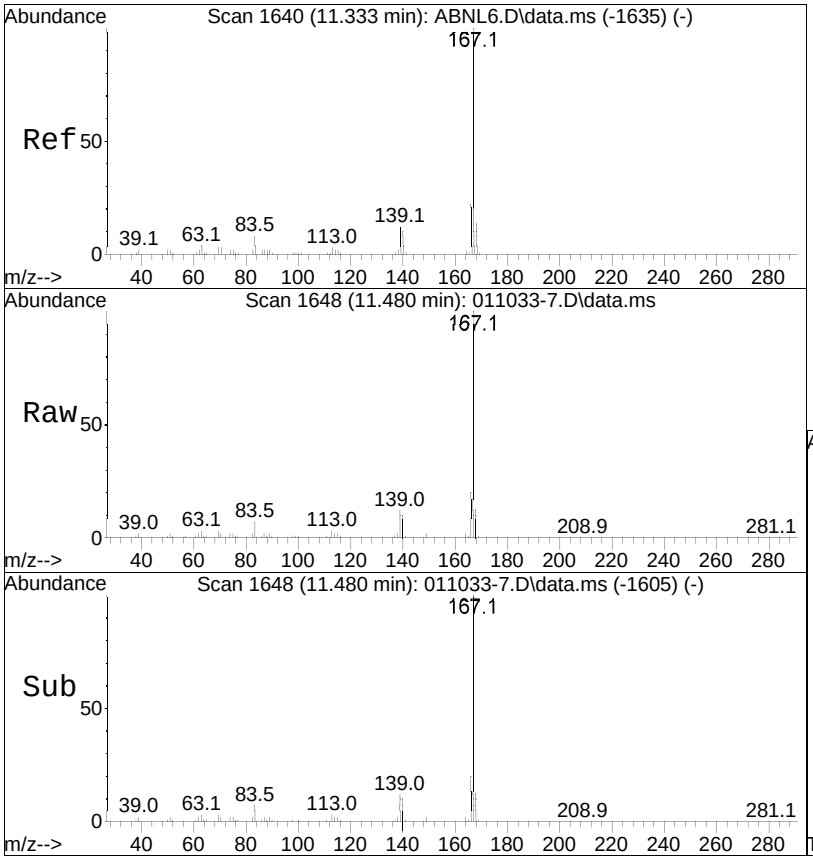


#87
Atrazine
Concen: 1.66 ug/ml
RT: 11.004 min Scan# 1567
Delta R.T. -0.006 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:200 Resp: 21812

Ion	Ratio	Lower	Upper
200	100		
202	33.4	25.8	38.6
215	44.9	40.2	60.4

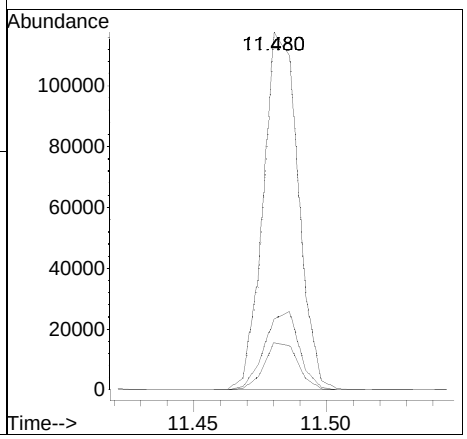


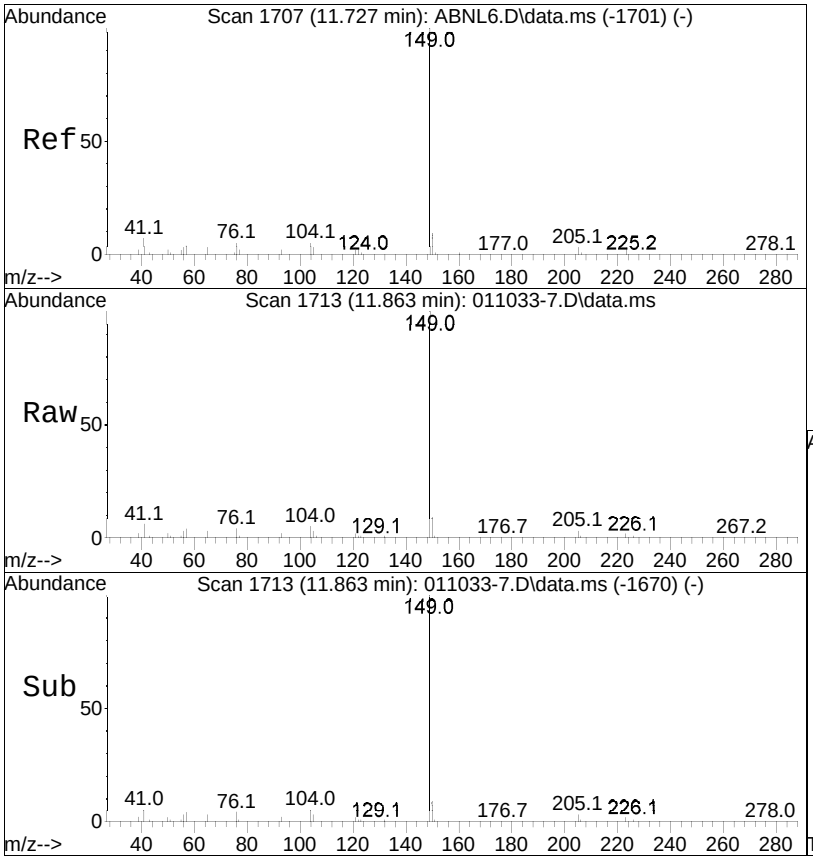


#91
Carbazole
Concen: 1.77 ug/ml
RT: 11.480 min Scan# 1648
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:167 Resp: 106591

Ion	Ratio	Lower	Upper
167	100		
168	12.9	10.6	15.8
166	21.9	17.4	26.0

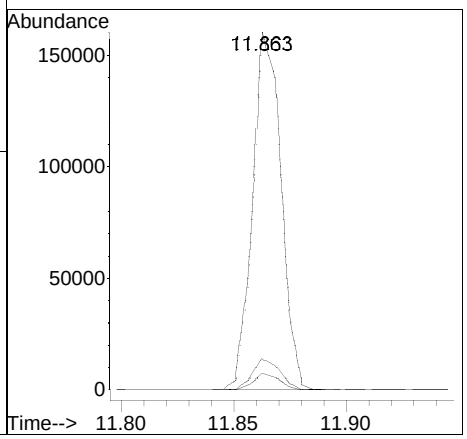


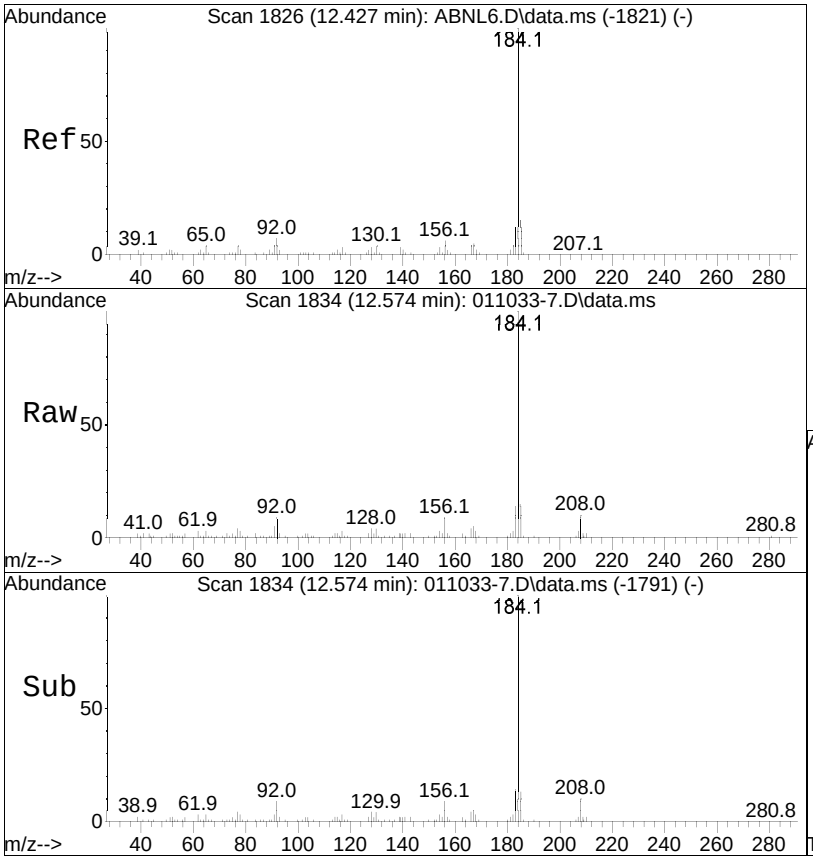


#92
Di-n-butylphthalate
Concen: 1.84 ug/ml
RT: 11.863 min Scan# 1713
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:149 Resp: 139121

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.0	10.6
104	4.4	4.5	6.7#

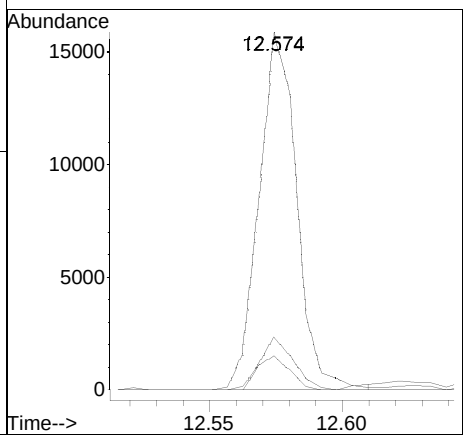


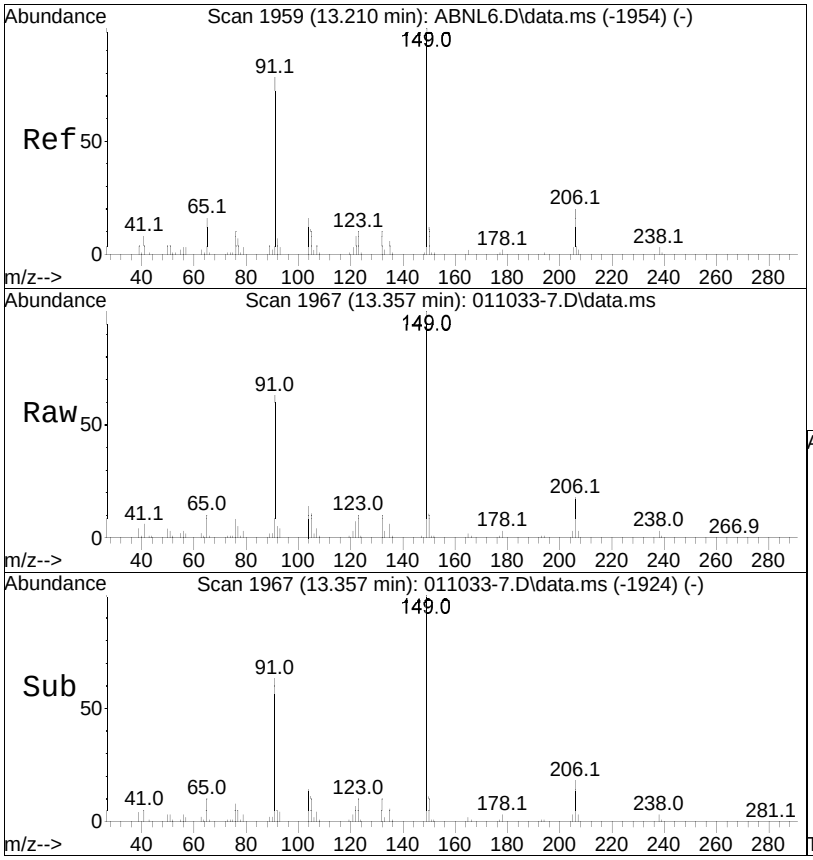


#94
Benzidine
Concen: 0.35 ug/ml
RT: 12.574 min Scan# 1834
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:184 Resp: 15446

Ion	Ratio	Lower	Upper
184	100		
92	8.2	9.1	13.7#
185	13.2	11.1	16.7

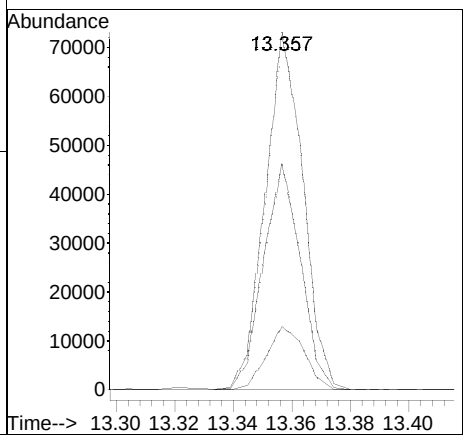


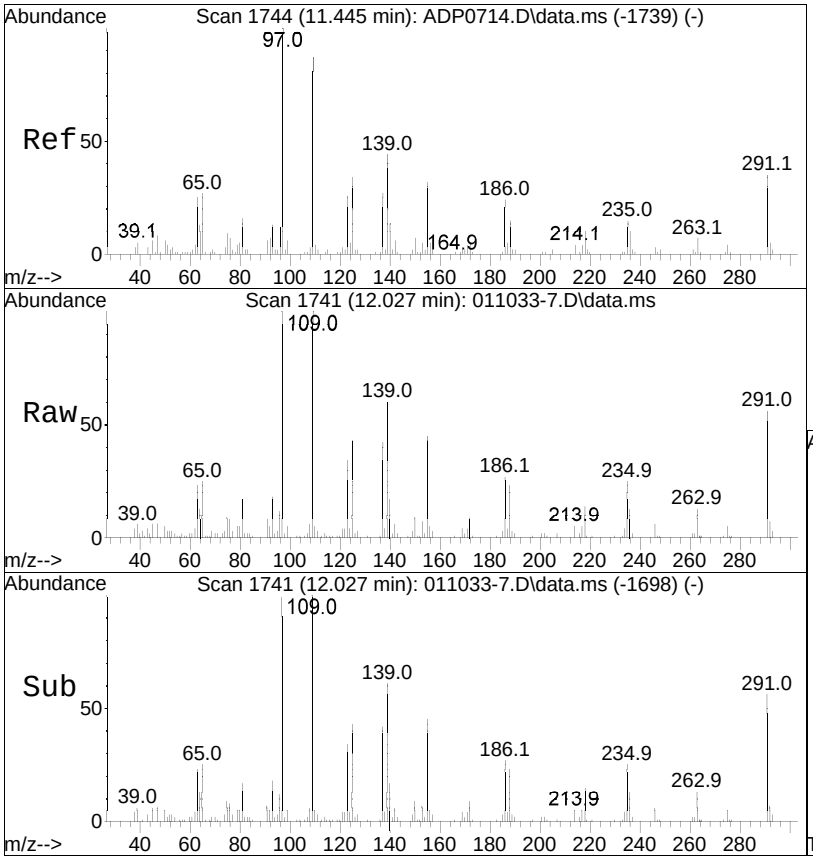


#97
Butyl benzyl phthalate
Concen: 2.05 ug/ml
RT: 13.357 min Scan# 1967
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:149 Resp: 65100

Ion	Ratio	Lower	Upper
149	100		
91	62.0	63.3	94.9#
206	18.0	13.9	20.9

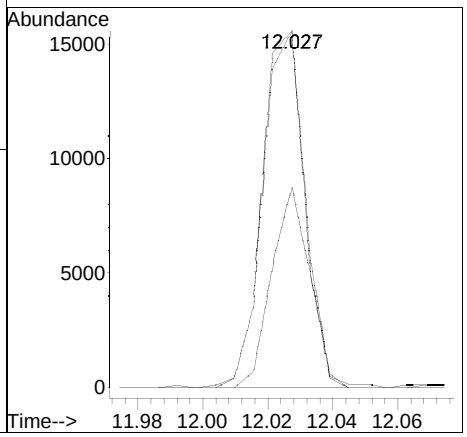


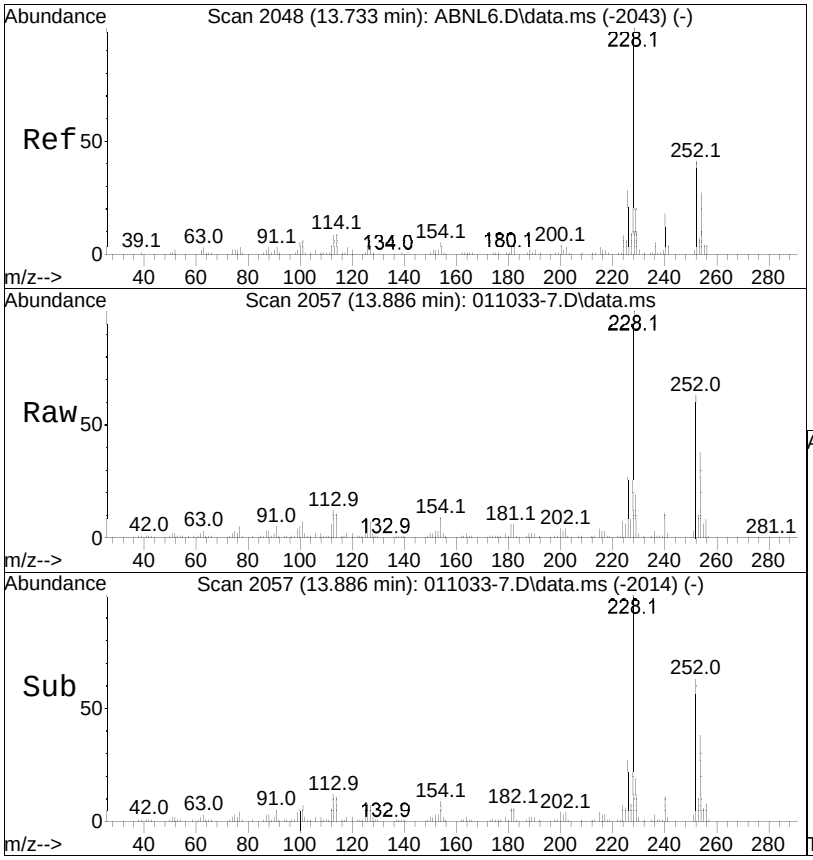


#102
Parathion
Concen: 2.12 ug/ml
RT: 12.027 min Scan# 1741
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:109 Resp: 13697

Ion	Ratio	Lower	Upper
109	100		
97	105.0	87.4	131.2
291	52.2	34.2	51.2#

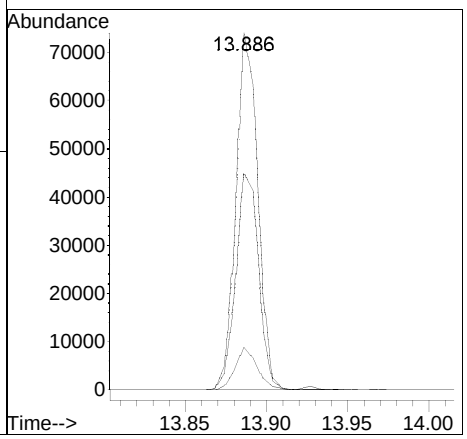


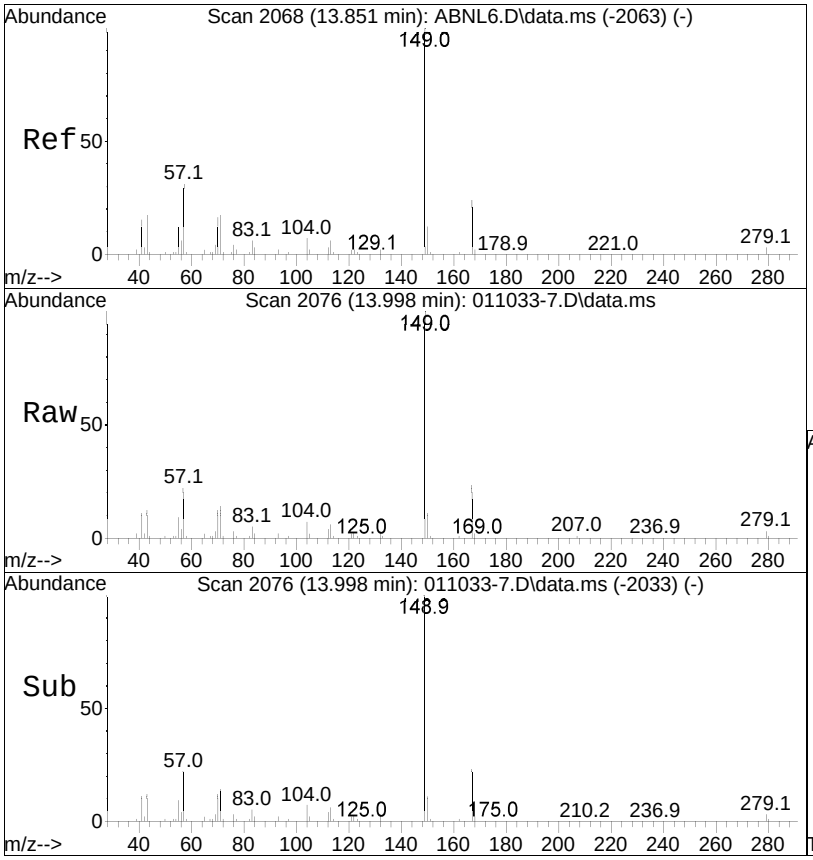


#106
3,3'-Dichlorobenzidine
Concen: 2.26 ug/ml
RT: 13.886 min Scan# 2057
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:252 Resp: 69112

Ion	Ratio	Lower	Upper
252	100		
126	12.2	14.5	21.7#
254	63.2	51.2	76.8

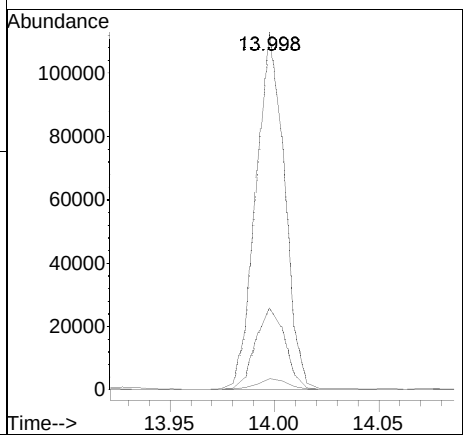


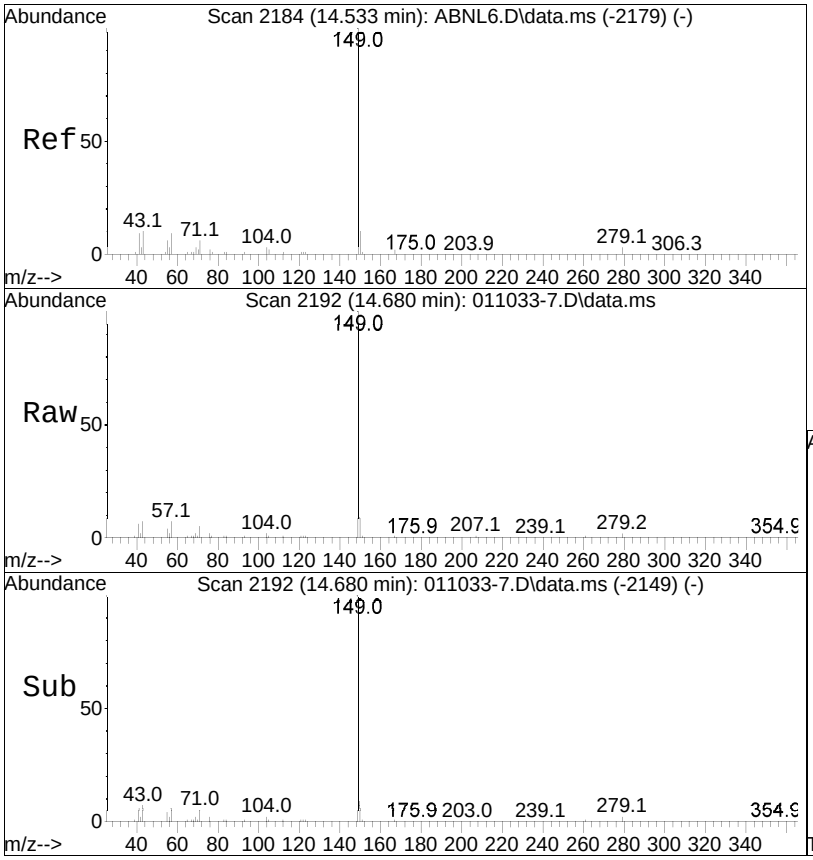


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.91 ug/ml
RT: 13.998 min Scan# 2076
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:149 Resp: 106407

Ion	Ratio	Lower	Upper
149	100		
167	23.7	22.1	33.1
279	3.0	3.0	4.4

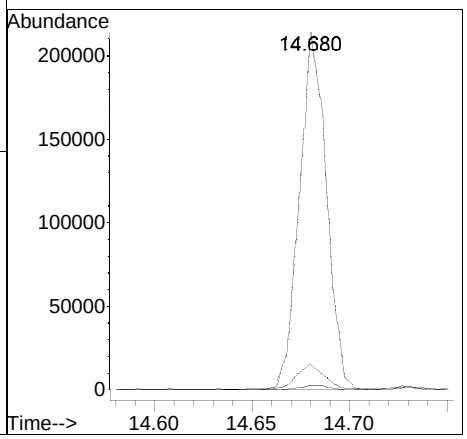




#109
Di-n-octylphthalate
Concen: 2.20 ug/ml
RT: 14.680 min Scan# 2192
Delta R.T. 0.000 min
Lab File: 011033-7.D
Acq: 19 Dec 2024 4:38 pm

Tgt Ion:149 Resp: 203866

Ion	Ratio	Lower	Upper
149	100		
43	7.2	18.8	28.2#
167	1.5	1.3	1.9



Manual Integration Report

Data Path	: I:\8270\SV106\241219RVT\	QMethod	: FS241009SV106.m
Data File	: 011033-7.D	Operator	: SV106:smz
Date Inj'd	: 12/19/2024 4:38 pm	Instrument	: SV 106
Sample	: WG2011033-7,32,,gmr	Quant Date	: 12/19/2024 4:57 pm

There are no manual integrations or false positives in this file.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 01:57 pm

Work Group: WG2010029 for Department: 2 Organic Preparation

Created: 17-DEC-24 Due: Operator: MAD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473175-01	MW-104 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473175-02	MW-102 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-01	MW-E_20241212	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-02	MW-D_20241212	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-03	MW-C_20241212	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-04	MW-B_20241212	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-05	MW-X_20241212	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473229-03	EFFLUENT	S	NYTCL-8270-RVT	WATER	DONE	U	1218	1219	S0	Amber-A.1
WG2010029-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2010029-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2010029-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2010029-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2010029-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2010029-3	WG2010029-2
WG2010029-4	L2473190-01
WG2010029-5	L2473190-01

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 01:57 pm

Work Group: WG2010761 for Department: 2 Organic Preparation

Created: 18-DEC-24 Due: Operator: NBD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473190-06	FIELD BLANK_20241212	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473420-01	MW-1	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1220	S0	Amber-A.1
L2473420-02	MW-2	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1220	S0	Amber-A.1
L2473420-03	MW-3	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1220	S0	Amber-A.1
L2473420-04	MW-4	C	NYTCL-8270-RVT	WATER	DONE	U	1219	1220	S0	Amber-A.1
L2473538-01	PZ-5	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473538-02	MW-5D	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473538-03	SCDOH-DR	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473538-04	MW-10S	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473538-05	MW-10D	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473561-03	TW-03	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473561-06	TW-04	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473639-01	SW-N-12-13-24-S	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473639-02	SW-N-12-13-24-M	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473639-03	SW-N-12-13-24-D	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473639-04	SW-S-12-13-24-S	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473639-05	SW-S-12-13-24-S	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473639-06	SW-S-12-13-24-S	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
WG2010761-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2010761-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2010761-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2010761-3 WG2010761-2

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 01:57 pm

Work Group: WG2011033 for Department: 2 Organic Preparation

Created: 18-DEC-24 Due: Operator: HEO

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473190-08	MW-A_20241213	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473190-09	MW-F_20241213	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-01	MW-106 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-02	MW-103 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-03	MW-107 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-04	MW-105 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-05	MW-101 ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-06	DUP ROUND 1	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473587-01	MW-D_20241213	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473587-02	MW-X_20241213	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473587-03	FIELD BLANK_20241213	C	NYTCL-8270-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473885-01	TW-06	C	NYTCL-8270-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
L2473885-11	FB-GW-01	C	NYTCL-8270-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
L2473885-12	FB-01	C	NYTCL-8270-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
L2473885-13	FB-02	C	NYTCL-8270-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
WG2011033-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2011033-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2011033-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2011033-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2011033-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2011033-6	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2011033-7	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2011033-3	WG2011033-2
WG2011033-4	L2473587-01
WG2011033-5	L2473587-01
WG2011033-6	L2473569-01
WG2011033-7	L2473569-01

Dep.: GCMS
Inst: SV106
Date: **10/09/24**
Run: **ICAL**

Method
GC: 8270RV

Seq: **WG1984388**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune1 Lot# 11080				
1	ABNL9	IL2,32,,ABNL50 Lot# 11004				
2	ABNL8	IL3,32,,ABNL25 Lot# 11005				
3	ABNL7	IL4,32,,ABNL10 Lot# 11006				
4	ABNL6	IL5,32,,ABNL5 Lot# 11007				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11008				
6	ABNL4	IL7,32,,ABNL1 Lot# 11009				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11010				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11011				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11012				
10	AP9L9	IL2,32,,AP9L50 Lot# 11013				
11	AP9L8	IL3,32,,AP9L25 Lot# 11014				
12	AP9L7	IL4,32,,AP9L10 Lot# 11015				
13	AP9L6	IL5,32,,AP9L5 Lot# 11016				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11017				
15	AP9L4	IL7,32,,AP9L1 Lot# 11018				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11019				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11020				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11021				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11031				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11032				
141	Tune2	Tune2 Lot# 11080				
21	ADPL9	IL2,32,,ADPL50 Lot# 11022	RR, poor solvent delay			
22	ADPL8	IL3,32,,ADPL25 Lot# 11023	RR, poor solvent delay			
23	ADPL7	IL4,32,,ADPL10 Lot# 11024	RR, poor solvent delay			
24	ADPL6	IL5,32,,ADPL5 Lot# 11025	RR, poor solvent delay			
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11026	RR, poor solvent delay			
26	ADPL4	IL7,32,,ADPL1 Lot# 11027	RR, poor solvent delay			
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11028	RR, poor solvent delay			
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11029	RR, poor solvent delay			
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11030	RR, poor solvent delay			
30	ADPICV	CQICV3,32,,ADPICV Lot# 11033	RR, poor solvent delay			
31	Blank	RVT Instrument Blank			mrg	
141	Tune3	Tune3 Lot# 11080				
1	ADPL9	IL2,32,,ADPL50 Lot# 11022				
2	ADPL8	IL3,32,,ADPL25 Lot# 11023				
3	ADPL7	IL4,32,,ADPL10 Lot# 11024				
4	ADPL6	IL5,32,,ADPL5 Lot# 11025				
5	ADPL5	IL6,32,,ADPL2.5 Lot# 11026				
6	ADPL4	IL7,32,,ADPL1 Lot# 11027				
7	ADPL3	IL8,32,,ADPL0.5 Lot# 11028				
8	ADPL2	IL9,32,,ADPL0.2 Lot# 11029				
9	ADPL1	IL10,32,,ADPL0.1 Lot# 11030				
10	ADPICV	CQICV3,32,,ADPICV Lot# 11033				
11	Blank	RVT Instrument Blank			hny	

Dep.: GCMS
Inst: DAKOTA
Date: **11/05/24**
Run: ICAL

Method
GC: ABNRVT

Seq: WG1994500

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	Tune1	Tune1 Lot # 11144				
1	ABNL9	IL2,32,,ABNL50 Lot# 11111	**Passes Full List**			
2	ABNL8	IL3,32,,ABNL25 Lot# 11112				
3	ABNL7	IL4,32,,ABNL10 Lot# 11113				
4	ABNL6	IL5,32,,ABNL5 Lot# 11114				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11115				
6	ABNL4	IL7,32,,ABNL1 Lot# 11116				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11117				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11149				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11150				
10	AP9L9	IL2,32,,AP9L50 Lot# 11120				
11	AP9L8	IL3,32,,AP9L25 Lot# 11121				
12	AP9L7	IL4,32,,AP9L10 Lot# 11122				
13	AP9L6	IL5,32,,AP9L5 Lot# 11123				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11124				
15	AP9L4	IL7,32,,AP9L1 Lot# 11125				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11126				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11127				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11128				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11138				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11139				
100	Tune2	Tune2 Lot # 11144				
21	ADPL9	IL2,32,,ADPL50 Lot# 11129				
22	ADPL8	IL3,32,,ADPL25 Lot# 11130				
23	ADPL7	IL4,32,,ADPL10 Lot# 11131				
24	ADPL6	IL5,32,,ADPL5 Lot# 11132				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11133				
26	ADPL4	IL7,32,,ADPL1 Lot# 11134				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11135				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11136				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11137				
30	ADPICV	CQICV,32,,ADPICV Lot# 11140				
31	Blank	Instrument Blank				

Dep.: GCMS
Inst: SV112
Date: **12/15/24**
Run: **ICAL**

Method
GC: 8270RVT

Seq: **WG2010188**
ICAL: 21786

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune Lot#11171				
1	ABNL9	IL2,32,,ABNL50 Lot# 11175				
2	ABNL8	IL3,32,,ABNL25 Lot# 11176				
3	ABNL7	IL4,32,,ABNL10 Lot# 11177				
4	ABNL6	IL5,32,,ABNL5 Lot# 11178				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11179				
6	ABNL4	IL7,32,,ABNL1 Lot# 11180				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11181				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11182				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11183				
10	AP9L9	IL2,32,,AP9L50 Lot# 11184				
11	AP9L8	IL3,32,,AP9L25 Lot# 11185				
12	AP9L7	IL4,32,,AP9L10 Lot# 11186				
13	AP9L6	IL5,32,,AP9L5 Lot# 11187				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11188				
15	AP9L4	IL7,32,,AP9L1 Lot# 11189				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11190				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11191				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11192				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11202				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11203				
141	Tune2	Tune Lot#11171				
21	ADPL9	IL2,32,,ADPL50 Lot# 11193				
22	ADPL8	IL3,32,,ADPL25 Lot# 11194				
23	ADPL7	IL4,32,,ADPL10 Lot# 11195				
24	ADPL6	IL5,32,,ADPL5 Lot# 11196				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11197				
26	ADPL4	IL7,32,,ADPL1 Lot# 11198				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11199				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11200				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11201				
30	ADPICV	CQICV,32,,ADPICV Lot# 11204				
31	Blank	Instrument Blank			mrg	

Dep.: GCMS
Inst: DAKOTA
Date: **12/17/24**
Run: Night Run

Method
GC: ABNRVT

Seq: **WG2009957**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1217	wg-1,32,,Degdftpp Lot # 11210				ljg 12/18
96	ABN1217	wg-3,32,,ABN RVT CCV Lot #	**Full List Including TCLP**			ljg 12/18
97	AP91217	wg-4,32,,AP9 RVT CCV Lot # 11152				ljg 12/18
98	ADP1217	wg-5,32,,ADP RVT CCV Lot # 11153				ljg 12/18
1	010254-1	WG2010254-1,32,,ASK				ljg 12/18
2	010254-2	WG2010254-2,32,,ASK				ljg 12/18
3	010254-3	WG2010254-3,32,,ASK				ljg 12/18
4	010029-1	WG2010029-1,32,,ASK				smz 12/18
5	010029-2	WG2010029-2,32,,ASK				smz 12/18
6	010029-3	WG2010029-3,32,,ASK				smz 12/18
7	010045-1	WG2010045-1,32,,ASK				smz 12/18
8	010045-2	WG2010045-2,32,,ASK				smz 12/18
9	010045-3	WG2010045-3,32,,ASK				smz 12/18
10	72190-02	L2472190-02,32,,RE,ASK				ljg 12/18
11	72586-02	L2472586-02,32,,ASK				ljg 12/18
12	73076-03	L2473076-03,32,,ASK				smz 12/18
13	73175-01	L2473175-01,32,,ASK				smz 12/18
14	73175-02	L2473175-02,32,,ASK				smz 12/18
15	010029-4	WG2010029-4,32,,ASK				smz 12/18
16	010029-5	WG2010029-5,32,,ASK				smz 12/18
17	73190-01	L2473190-01,32,,ASK				smz 12/18
18	73190-02	L2473190-02,32,,ASK				smz 12/18
19	73190-03	L2473190-03,32,,ASK				smz 12/18
20	73190-04	L2473190-04,32,,ASK				smz 12/18
21	73190-05	L2473190-05,32,,ASK				smz 12/18
22	73190-06	L2473190-06,32,,ASK	RX,conf			smz 12/18
23	73229-03	L2473229-03,32,,ASK				smz 12/18
24	73296-01	L2473296-01,32,,ASK				smz 12/18
25	73296-02	L2473296-02,32,,ASK			**sv-ljg**	smz 12/18
26	73296-03	L2473296-03,32,,ASK				smz 12/18
27	73296-04	L2473296-04,32,,ASK				smz 12/18
28	73296-05	L2473296-05,32,,ASK				smz 12/18
29	72878-07	L2472878-07,32,,ASK			**ASK**	smz 12/18
					sv-gmr	

Dep.: GCMS
Inst: DAKOTA
Date: **12/18/24**
Run: Night Run

Method
GC: ABNRVT

Seq: **WG2011025**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1218n	wg-1,32,,Degdftpp Lot # 11210				im 12/19
96	ABN1218n	wg-3,32,,ABN RVT CCV Lot #	**Full List Including TCLP**			im 12/19
97	AP91218n	wg-4,32,,AP9 RVT CCV Lot #	11152			im 12/19
98	ADP1218n	wg-5,32,,ADP RVT CCV Lot #	11153			im 12/19
1	010695-1	WG2010695-1,32,,ASK				im 12/19
2	010695-2	WG2010695-2,32,,ASK				im 12/19
3	010695-3	WG2010695-3,32,,ASK				im 12/19
4	73190-06	L2473190-06,32,,RE,ASK				im 12/19
5	73137-01	L2473137-01,32,,ASK				im 12/19
6	73137-02	L2473137-02,32,,ASK				im 12/19
7	73137-03	L2473137-03,32,,ASK				im 12/19
8	73137-04	L2473137-04,32,,ASK				im 12/19
9	73137-05	L2473137-05,32,,ASK				im 12/19
10	73350-11	L2473350-11,32,,ASK				ljg 12/20
11	73350-12	L2473350-12,32,,ASK				ljg 12/20
12	73350-13	L2473350-13,32,,ASK				ljg 12/20
13	73350-14	L2473350-14,32,,ASK				ljg 12/20
14	73350-15	L2473350-15,32,,ASK				ljg 12/20
15	73350-16	L2473350-16,32,,ASK				ljg 12/20
16	73350-17	L2473350-17,32,,ASK				ljg 12/20
17	73350-18	L2473350-18,32,,ASK				ljg 12/20
18	73350-19	L2473350-19,32,,ASK				ljg 12/20
19	73350-20	L2473350-20,32,,ASK				ljg 12/20
20	73350-21	L2473350-21,32,,ASK				ljg 12/20
21	73350-22	L2473350-22,32,,ASK				ljg 12/20
22	73350-23	L2473350-23,32,,ASK				ljg 12/20
23	73350-25	L2473350-25,32,,ASK				ljg 12/20
24	73438-01	L2473438-01,32,,ASK				ljg 12/20
25	73438-03	L2473438-03,32,,ASK				ljg 12/20
26	73643-01	L2473643-01,32,,ASK				ljg 12/20
27	72497-26	L2472497-26,32,,ASK			**ASK**	ljg 12/20
					sv-im	

Dep.: GCMS
Inst: SV106
Date: **12/18/24**
Run: **Night Run**

Method
GC: ABNRVT

Seq: **WG2011026**
ICAL: **21604**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG1218	wg-1,32,,Degdftpp Lot # 11171				im 12/19
142	ABN1218	wg-3,32,,ABN RVT CCV Lot # 11	**Passes Full List, TCLP**			im 12/19
143	AP91218	wg-4,32,,AP9 RVT CCV Lot # 11152				im 12/19
144	ADP1218	wg-5,32,,ADP RVT CCV Lot # 11153				
1	010560-1	WG2010560-1,32,,ASK				12/19 als
2	010560-2	WG2010560-2,32,,ASK				12/19 als
3	010560-3	WG2010560-3,32,,ASK				12/19 als
4	010761-1	WG2010761-1,32,,ASK				im 12/19
5	010761-2	WG2010761-2,32,,ASK				im 12/19
6	010761-3	WG2010761-3,32,,ASK				im 12/19
7	72865-19	L2472865-19,32,,RE,ASK				12/19 als
8	73420-01	L2473420-01,32,,ASK				
9	73420-02	L2473420-02,32,,ASK				
10	73420-03	L2473420-03,32,,ASK				
11	73420-04	L2473420-04,32,,ASK				
12	73538-01	L2473538-01,32,,ASK				12/19jg
13	73538-02	L2473538-02,32,,ASK				12/19jg
14	73538-03	L2473538-03,32,,ASK				12/19jg
15	73538-04	L2473538-04,32,,ASK				12/19jg
16	73538-05	L2473538-05,32,,ASK				12/19jg
17	73561-03	L2473561-03,32,,ASK				ljg 12/20
18	73561-06	L2473561-06,32,,ASK				ljg 12/20
19	73639-01	L2473639-01,32,,ASK				12/19 als
20	73639-02	L2473639-02,32,,ASK				12/19 als
21	73639-03	L2473639-03,32,,ASK				12/19 als
22	73639-04	L2473639-04,32,,ASK				12/19 als
23	73639-05	L2473639-05,32,,ASK				12/19 als
24	73639-06	L2473639-06,32,,ASK				12/19 als
25	73350-08	L2473350-08,32,,ASK				ljg 12/20
26	73350-09	L2473350-09,32,,ASK				ljg 12/20
27	73350-10	L2473350-10,32,,ASK			ASK	ljg 12/20
					sv-im	

Dep.: GCMS
Inst: SV112
Date: **12/19/24**
Run:

Method
GC: 8270RVT

Seq: **WG2011377**
ICAL: 21786

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG1219	wg-1,32,,SV112 Degdftpp Lot # 11210				12/19 mrg
142	ABN1219	wg-3,32,,ABN 11043 HNY1205A				12/19 mrg
143	AP91219	wg-4,32,,AP9 11152 HNY1205A				12/19 mrg
144	ADP1219	wg-5,32,,ADP 11153 HNY1205B				12/19 mrg
1	011129-1	WG2011129-1,32,,gmr				12/19 mrg
2	011129-2	WG2011129-2,32,,gmr				12/19 mrg
3	011129-3	WG2011129-3,32,,gmr				12/19 mrg
4	74148-09	L2474148-09,32,,R3B,gmr			gmr	12/19 mrg
5	10117-2	wg2010117-2,32,,rv,jg				12/19jg
6	10117-3	wg2010117-3,32,,rv,jg				12/19jg
7	74148-10	L2474148-10,32,,R3B,gmr				12/19 mrg
8	011033-2	WG2011033/0956-2,32,,gmr				smz 12/20
9	011033-3	WG2011033/0956-3,32,,gmr				smz 12/20
10	010956-1	WG2010956/1033-1,32,,gmr				smz 12/20
11	73616-01	L2473616-01,32,,gmr				smz 12/20
12	73580-03	L2473580-03,32,,gmr	RX, Surr failure			
13	73580-04	L2473580-04,32,,gmr	RX, Surr failure			
14	73580-06	L2473580-06,32,,gmr				12/20 mrg
15	73580-07	L2473580-07,32,,gmr	Rx, Surr failure			
16	73580-08	L2473580-08,32,,gmr				12/20 mrg
17	73580-09	L2473580-09,32,,gmr				12/20 mrg
18	73660-07	L2473660-07,32,,gmr				12/20 mrg
19	011015-2	WG2011015-2,32,,gmr				12/20 mrg
20	011015-3	WG2011015-3,32,,gmr				12/20 mrg
21	011015-1	WG2011015-1,32,,gmr				12/20 mrg
22	73771-01	L2473771-01,32,,gmr				12/20 mrg
23	73774-05	L2473774-05,32,,gmr				12/20 mrg
24	011015-4	WG2011015-4,32,,gmr				
25	011015-5	WG2011015-5,32,,gmr				
26	53108-77	L2453108-77,32,,gmr				
27	010560-4	WG2010560-4,32,,gmr				
28	010560-5	WG2010560-5,32,,gmr				
29	53108-87	L2453108-87,32,,gmr			jg	
					Sv-mrg	

Dep.: GCMS
Inst: SV106
Date: **12/19/24**
Run:

Method
GC: ABNRVT

Seq: **WG2011391**
ICAL: **21604**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG1219	wg-1,32,,Degdftpp Lot # 11210				12/19 mrg
142	ABN1219	wg-3,32,,ABN 11043 HNY1205A	**Passes Full List, TCLP**			12/19 mrg
143	AP91219	wg-4,32,,AP9 11152 HNY1205A				12/19 mrg
144	ADP1219	wg-5,32,,ADP 11153 HNY1205A				12/19 mrg
1	010552-1	WG2010552-1,32,,RV,gmr	confirms			ljg 12/20
2	73296-06	L2473296-06,32,,gmr				12/19 mrg
3	72865-10	L2472865-10,32,,gmr				12/19 mrg
4	72865-03	L2472865-03,32,,rr,gmr				12/19 mrg
5	73587-01	L2473587-01,32,,gmr				smz 12/20
6	011033-4	WG2011033-4,32,,gmr			sv-mrg	smz 12/20
7	011033-5	WG2011033-5,32,,gmr				smz 12/20
8	73569-01	L2473569-01,32,,gmr				smz 12/20
9	011033-6	WG2011033-6,32,,gmr				smz 12/20
10	011033-7	WG2011033-7,32,,gmr				smz 12/20
11	73190-08	L2473190-08,32,,gmr				smz 12/20
12	73190-09	L2473190-09,32,,gmr				smz 12/20
13	73569-02	L2473569-02,32,,gmr				smz 12/20
14	73569-03	L2473569-03,32,,gmr				smz 12/20
15	73569-04	L2473569-04,32,,gmr				smz 12/20
16	73569-05	L2473569-05,32,,gmr				smz 12/20
17	73569-06	L2473569-06,32,,gmr				smz 12/20
18	73587-02	L2473587-02,32,,gmr				smz 12/20
19	73587-03	L2473587-03,32,,gmr				smz 12/20
20	73350-01	L2473350-01,32,,gmr	rx potential contamination			ljg 12/20
21	73350-02	L2473350-02,32,,gmr	rx potential contamination			ljg 12/20
22	73350-03	L2473350-03,32,,gmr				ljg 12/20
23	73350-04	L2473350-04,32,,gmr	rx potential contamination			ljg 12/20
24	73350-05	L2473350-05,32,,gmr				ljg 12/20
25	73350-06	L2473350-06,32,,gmr	rx potential contamination			ljg 12/20
26	73350-07	L2473350-07,32,,gmr	rx potential contamination		gmr	ljg 12/20
					sv-ljg	

ORGANIC ELN REPORT

Workgroup: WG2010761

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: NBD/JCL
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11164av,05/20/2025,4c,7,1
Lot #: 11106ae-042325, 11092af,03/3

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2473190-06 SAMP	12/18/24 15:49	Richard Nyarko	100	<2, >12	.1		12/18/24 23:50	John Awuah	1	K
L2473420-01 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473420-02 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473420-03 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473420-04 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
	HEAVY EMULSION									
L2473538-01 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473538-02 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K

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ORGANIC ELN REPORT

Workgroup: WG2010761

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2473538-03 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473538-04 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473538-05 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473561-03 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473561-06 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473639-01 SAMP	12/18/24 13:29	Nicholas Dunn	75	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
lim vol rcvd from client, BROUGHT UP TO 100mL WITH 25 mL DI										
L2473639-02 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473639-03 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473639-04 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
L2473639-05 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K

ORGANIC ELN REPORT

Workgroup: WG2010761

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2473639-06 SAMP	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
WG2010761-1 BLANK	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1		12/18/24 18:14	Victor Kono	1	K
	WG2010761,WG2010762									
WG2010761-2 LCS	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1	.1	12/18/24 18:14	Victor Kono	1	K
WG2010761-3 LCSD	12/18/24 13:29	Nicholas Dunn	100	<2, >12	.1	.1	12/18/24 18:14	Victor Kono	1	K

ORGANIC ELN REPORT

Workgroup: WG2010029

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: NBD/JCL
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11164at,05/20/2025,4c,7,1
Lot #: 11106ae-042325, 11092af,03/3

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2473175-01 WATER	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473175-02 WATER	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-01 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-02 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-03 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-04 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-05 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K

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ORGANIC ELN REPORT

Workgroup: WG2010029

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2473190-06 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 14:48	Grace Tran	1	K
L2473229-03 WATER	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 14:48	Grace Tran	1	K
WG2010029-1 BLANK	12/17/24 07:30 **WG2010030**	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
WG2010029-2 LCS	12/17/24 07:30 **WG2010030**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K
WG2010029-3 LCSD	12/17/24 07:30 **WG2010030**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K
WG2010029-4 MS	12/17/24 07:30 **WG2010030**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K
WG2010029-5 MSD	12/17/24 07:30 **WG2010030**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K

ORGANIC ELN REPORT

Workgroup: WG2011033

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: HEO
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11164av,05/20/2025,4c,7,1
Lot #: 11106ae,04/23/2025,11092af,0

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2473190-08 SAMP	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473190-09 SAMP	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473569-01 WATER	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473569-02 WATER	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 04:03	Annabella Sarfo	1	K
L2473569-03 WATER	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 04:03	Annabella Sarfo	1	K
L2473569-04 WATER	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 04:03	Annabella Sarfo	1	K
L2473569-05 WATER	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K

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ORGANIC ELN REPORT

Workgroup: WG2011033

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2473569-06 WATER	12/19/24 00:04	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473587-01 SAMP	12/19/24 00:26	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473587-02 SAMP	12/19/24 00:26	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473587-03 SAMP	12/19/24 00:26	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473885-01 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
L2473885-11 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
L2473885-12 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
L2473885-13 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
WG2011033-1 BLANK	12/18/24 17:53	Richard Nyarko	100	<2, >12	.1		12/19/24 01:37	Annabella Sarfo	1	K
	WG2011034WG2010956 WG2010959									
WG2011033-2 LCS	12/18/24 17:53	Richard Nyarko	100	<2, >12	.1	.1	12/19/24 01:37	Annabella Sarfo	1	K

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ORGANIC ELN REPORT

Workgroup: WG2011033

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG2011033-3 LCSD	12/18/24 17:53	Richard Nyarko	100	<2, >12	.1	.1	12/19/24 01:37	Annabella Sarfo	1	K
WG2011033-4 MS	12/19/24 00:04	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K
WG2011033-5 MSD	12/19/24 00:04	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K
WG2011033-6 MS	12/19/24 00:04	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K
WG2011033-7 MSD	12/19/24 00:04	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: AKRF, Inc.
Project Name: AVALON SITE-PCW

Lab Number: L2473190
Project Number: 180017
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-E_20241212 (L2473190-01)	60	41	124*	80	133*	109	2
MW-D_20241212 (L2473190-02)	52	38	123*	74	111	83	1
MW-C_20241212 (L2473190-03)	46	32	103	67	85	77	0
MW-B_20241212 (L2473190-04)	56	40	94	76	90	90	0
MW-X_20241212 (L2473190-05)	57	40	96	74	98	87	0
FIELD BLANK_20241212 (L2473190-06)	40	30	66	61	65	62	0
MW-A_20241213 (L2473190-08)	31	37	93	79	38	87	0
MW-F_20241213 (L2473190-09)	39	36	87	76	61	83	0
WG2010030-1BLANK	47	34	78	62	78	88	0
WG2010030-2LCS	66	48	91	79	117	114	0
WG2010030-3LCSD	65	47	92	81	114	112	0
MW-E_20241212MS	65	46	134*	100	128*	97	2
MW-E_20241212MSD	63	45	132*	80	149*	98	2
WG2011034-1BLANK	45	34	80	77	74	100	0
WG2011034-2LCS	68	56	87	82	108	103	0
WG2011034-3LCSD	49	36	72	66	88	87	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2010030-2	**Analysis Date** : 12/19/24 07:52	**File ID** : 010030-2
LCSD Sample ID	: WG2010030-3	**Analysis Date** : 12/19/24 08:09	**File ID** : 010030-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	19	94	20	19	95	1	40-140	40
2-Chloronaphthalene	20	15	74	20	16	80	8	40-140	40
Fluoranthene	20	24	120	20	23	117	3	40-140	40
Hexachlorobutadiene	20	10	51	20	12	60	16	40-140	40
Naphthalene	20	15	74	20	16	80	8	40-140	40
Benzo(a)anthracene	20	24	120	20	23	117	3	40-140	40
Benzo(a)pyrene	20	25	124	20	24	120	3	40-140	40
Benzo(b)fluoranthene	20	23	117	20	24	119	2	40-140	40
Benzo(k)fluoranthene	20	25	124	20	23	115	8	40-140	40
Chrysene	20	26	128	20	26	128	0	40-140	40
Acenaphthylene	20	17	86	20	18	88	2	40-140	40
Anthracene	20	23	113	20	22	111	2	40-140	40
Benzo(ghi)perylene	20	25	124	20	24	121	2	40-140	40
Fluorene	20	21	104	20	21	104	0	40-140	40
Phenanthrene	20	23	116	20	23	114	2	40-140	40
Dibenzo(a,h)anthracene	20	25	126	20	24	123	2	40-140	40
Indeno(1,2,3-cd)pyrene	20	26	130	20	26	128	2	40-140	40
Pyrene	20	24	121	20	24	118	3	40-140	40
2-Methylnaphthalene	20	14	71	20	16	78	9	40-140	40
Pentachlorophenol	20	24	118	20	23	116	2	40-140	40
Hexachlorobenzene	20	22	109	20	22	108	1	40-140	40
Hexachloroethane	20	11	54	20	13	64	17	40-140	40

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2011034-2	**Analysis Date** : 12/19/24 11:23	**File ID** : 010959-2
LCSD Sample ID	: WG2011034-3	**Analysis Date** : 12/19/24 11:40	**File ID** : 011034-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	18	90	20	15	74	20	40-140	40
2-Chloronaphthalene	20	15	77	20	13	63	20	40-140	40
Fluoranthene	20	24	119	20	20	100	17	40-140	40
Hexachlorobutadiene	20	11	54	20	10	51	6	40-140	40
Naphthalene	20	15	77	20	13	66	15	40-140	40
Benzo(a)anthracene	20	23	116	20	20	99	16	40-140	40
Benzo(a)pyrene	20	24	120	20	20	101	17	40-140	40
Benzo(b)fluoranthene	20	23	117	20	20	100	16	40-140	40
Benzo(k)fluoranthene	20	24	118	20	20	101	16	40-140	40
Chrysene	20	25	126	20	21	107	16	40-140	40
Acenaphthylene	20	18	88	20	14	72	20	40-140	40
Anthracene	20	22	112	20	18	91	21	40-140	40
Benzo(ghi)perylene	20	23	116	20	20	100	15	40-140	40
Fluorene	20	20	101	20	16	83	20	40-140	40
Phenanthrene	20	23	114	20	19	94	19	40-140	40
Dibenzo(a,h)anthracene	20	24	118	20	20	103	14	40-140	40
Indeno(1,2,3-cd)pyrene	20	25	124	20	21	106	16	40-140	40
Pyrene	20	24	120	20	20	100	18	40-140	40
2-Methylnaphthalene	20	15	74	20	13	64	14	40-140	40
Pentachlorophenol	20	24	122	20	20	99	21	40-140	40
Hexachlorobenzene	20	22	108	20	17	86	23	40-140	40
Hexachloroethane	20	11	56	20	11	54	4	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Client Sample ID	: MW-E_20241212	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2473190-01	Analysis Date	: 12/17/24 16:16
Matrix Spike	: WG2010030-4	MS Analysis Date	: 12/17/24 16:33
Matrix Spike Dup	: WG2010030-5	MSD Analysis Date	: 12/17/24 16:50

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	0.28	20	17	84	20	17	84	0	40-140	40
2-Chloronaphthalene	ND	20	19	95	20	15	75	24	40-140	40
Fluoranthene	0.17	20	19	94	20	19	94	0	40-140	40
Hexachlorobutadiene	ND	20	11	55	20	11	55	0	40-140	40
Naphthalene	ND	20	14	70	20	14	70	0	40-140	40
Benzo(a)anthracene	0.05J	20	19	95	20	19	95	0	40-140	40
Benzo(a)pyrene	ND	20	23	120	20	23	120	0	40-140	40
Benzo(b)fluoranthene	ND	20	22	110	20	23	120	4	40-140	40
Benzo(k)fluoranthene	ND	20	20	100	20	22	110	10	40-140	40
Chrysene	ND	20	20	100	20	20	100	0	40-140	40
Acenaphthylene	ND	20	21	110	20	18	90	15	40-140	40
Anthracene	ND	20	19	95	20	20	100	5	40-140	40
Benzo(ghi)perylene	ND	20	26	130	20	27	140	4	40-140	40
Fluorene	0.03J	20	19	95	20	22	110	15	40-140	40
Phenanthrene	ND	20	18	90	20	19	95	5	40-140	40
Dibenzo(a,h)anthracene	ND	20	23	120	20	28	140	20	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	24	120	20	30	150 Q	22	40-140	40
Pyrene	0.18	20	18	89	20	19	94	5	40-140	40
2-Methylnaphthalene	ND	20	18	90	20	15	75	18	40-140	40
Pentachlorophenol	ND	20	26	130	20	25	130	4	40-140	40
Hexachlorobenzene	ND	20	19	95	20	19	95	0	40-140	40
Hexachloroethane	ND	20	13	65	20	13	65	0	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2010030-1	**Lab File ID**	: 010030-1
Instrument ID	: SV125	**Extraction Date**	: 12/17/24
Matrix	: WATER	**Analysis Date**	: 12/18/24 08:18
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
MW-E_20241212	L2473190-01	12/17/24 16:16
MW-E_20241212MS	WG2010030-4	12/17/24 16:33
MW-E_20241212MSD	WG2010030-5	12/17/24 16:50
MW-D_20241212	L2473190-02	12/17/24 17:07
MW-C_20241212	L2473190-03	12/17/24 17:24
MW-X_20241212	L2473190-05	12/18/24 09:06
FIELD BLANK_20241212	L2473190-06	12/18/24 10:19
MW-B_20241212	L2473190-04	12/18/24 16:15
WG2010030-2LCS	WG2010030-2	12/19/24 07:52
WG2010030-3LCSD	WG2010030-3	12/19/24 08:09

Method Blank Summary
Form 4
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Lab Sample ID	: WG2011034-1	**Lab File ID**	: 010959-1
Instrument ID	: SV120	**Extraction Date**	: 12/18/24
Matrix	: WATER	**Analysis Date**	: 12/19/24 11:56
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2011034-2LCS	WG2011034-2	12/19/24 11:23
WG2011034-3LCSD	WG2011034-3	12/19/24 11:40
MW-A_20241213	L2473190-08	12/20/24 00:00
MW-F_20241213	L2473190-09	12/20/24 00:16

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV118	**Analysis Date**	: 10/25/24 15:53
Tune Standard	: R1893981-11	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	46.8
68	Less than 2.0% of mass 69	0.5 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.4
275	10.0 - 60.0% of Base Peak	27.3
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	97.8
443	15.0 - 24.0% of mass 442	18 (18.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1893981-2	L10	10/25/24 16:43
L9	R1893981-10	L9	10/25/24 17:01
L8	R1893981-9	L8	10/25/24 17:19
L7	R1893981-8	L7	10/25/24 17:37
L6	R1893981-7	L6	10/25/24 17:55
L5	R1893981-6	L5	10/25/24 18:12
L4	R1893981-5	L4	10/25/24 18:29
L3	R1893981-4	L3	10/25/24 18:46
L2	R1893981-3	L2	10/25/24 19:03
L1	R1893981-1	L1	10/25/24 19:21
ICV Quant Report	R1893981-12	ICV	10/25/24 19:38

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV118	**Analysis Date**	: 12/17/24 06:15
Tune Standard	: WG2010053-1	**Tune File ID**	: deg1217_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	47.3
68	Less than 2.0% of mass 69	0.8 (2)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	51.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	26.3
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	17.2 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2010053-4TFACTOR-B	WG2010053-4	DEG1217	12/17/24 06:15
WG2010053-5TFACTOR-P	WG2010053-5	DEG1217	12/17/24 06:15
WG2010053-3CCAL	WG2010053-3	CCV1217A	12/17/24 07:02
MW-E_20241212	L2473190-01	73190-01	12/17/24 16:16
WG2010030-4MS	WG2010030-4	010030-4	12/17/24 16:33
WG2010030-5MSD	WG2010030-5	010030-5	12/17/24 16:50
MW-D_20241212	L2473190-02	73190-02	12/17/24 17:07
MW-C_20241212	L2473190-03	73190-03	12/17/24 17:24

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 11/05/24 06:14
Tune Standard	: R1896399-12	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.6
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	54.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.2
275	10.0 - 60.0% of Base Peak	24.2
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.6 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R1896399-3	IL10	11/05/24 07:30
IL9	R1896399-11	IL9	11/05/24 07:47
IL8	R1896399-10	IL8	11/05/24 08:03
IL7	R1896399-9	IL7	11/05/24 08:19
IL6	R1896399-8	IL6	11/05/24 08:36
IL5	R1896399-7	IL5	11/05/24 08:52
IL4	R1896399-5	IL4	11/05/24 09:08
IL3	R1896399-6	IL3	11/05/24 09:24
IL2	R1896399-4	IL2	11/05/24 09:41
IL1	R1896399-2	IL1	11/05/24 09:57
	R1896399-1	ICV	11/05/24 10:13

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 12/18/24 06:21
Tune Standard	: WG2010570-1	**Tune File ID**	: deg1218_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	50.9
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	53.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.4
275	10.0 - 60.0% of Base Peak	25.4
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	72.1
443	15.0 - 24.0% of mass 442	14.5 (20.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2010570-4TFACTOR-B	WG2010570-4	DEG1218	12/18/24 06:21
WG2010570-5TFACTOR-P	WG2010570-5	DEG1218	12/18/24 06:21
WG2010570-3CCAL	WG2010570-3	CCV1218	12/18/24 06:38
FIELD BLANK_20241212	L2473190-06	73190-06	12/18/24 10:19

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 12/19/24 06:47
Tune Standard	: WG2011166-1	**Tune File ID**	: deg1219_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.1
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	56.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	24.5
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	17.3
442	Base Peak, or >50% of mass 198	71.7
443	15.0 - 24.0% of mass 442	12.7 (17.7)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011166-4TFACTOR-B	WG2011166-4	DEG1219	12/19/24 06:47
WG2011166-5TFACTOR-P	WG2011166-5	DEG1219	12/19/24 06:47
WG2011166-3CCAL	WG2011166-3	CCV1219	12/19/24 07:05
WG2010030-2LCS	WG2010030-2	010030-2	12/19/24 07:52
WG2010030-3LCSD	WG2010030-3	010030-3	12/19/24 08:09
WG2011034-2LCS	WG2011034-2	010959-2	12/19/24 11:23
WG2011034-3LCSD	WG2011034-3	011034-3	12/19/24 11:40
WG2011034-1BLANK	WG2011034-1	010959-1	12/19/24 11:56

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 11/05/24 10:48
Tune Standard	: R1897184-12	**Tune File ID**	: Tuneb_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	50.3
68	Less than 2.0% of mass 69	0.6 (1.5)1
69		100
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	50.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	24.8
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	82.6
443	15.0 - 24.0% of mass 442	16 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R1897184-2	IL10	11/05/24 11:10
IL9	R1897184-10	IL9	11/05/24 11:26
IL8	R1897184-9	IL8	11/05/24 11:42
IL7	R1897184-8	IL7	11/05/24 11:58
IL6	R1897184-7	IL6	11/05/24 12:15
IL5	R1897184-6	IL5	11/05/24 12:31
IL4	R1897184-5	IL4	11/05/24 12:47
IL3	R1897184-4	IL3	11/05/24 13:03
IL2	R1897184-3	IL2	11/05/24 13:20
IL1	R1897184-1	IL1	11/05/24 13:36
ICV Quant Report	R1897184-11	ICV	11/05/24 13:52

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 12/18/24 06:27
Tune Standard	: WG2010584-1	**Tune File ID**	: deg1218_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.5
68	Less than 2.0% of mass 69	0.5 (1.2)1
69		100
70	Less than 2.0% of mass 69	0.3 (.7)1
127	10.0 - 80.0% of Base Peak	56.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.4
275	10.0 - 60.0% of Base Peak	25.2
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.7
442	Base Peak, or >50% of mass 198	92.4
443	15.0 - 24.0% of mass 442	17.8 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2010584-4TFACTOR-B	WG2010584-4	DEG1218	12/18/24 06:27
WG2010584-5TFACTOR-P	WG2010584-5	DEG1218	12/18/24 06:27
WG2010584-3CCAL	WG2010584-3	CCV1218	12/18/24 06:44
WG2010030-1BLANK	WG2010030-1	010030-1	12/18/24 08:18
MW-X_20241212	L2473190-05	73190-05	12/18/24 09:06
MW-B_20241212	L2473190-04	73190-04	12/18/24 16:15

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 12/19/24 19:15
Tune Standard	: WG2011538-1	**Tune File ID**	: deg1219n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52.4
68	Less than 2.0% of mass 69	0.4 (.9)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	56.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	26.3
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	18
442	Base Peak, or >50% of mass 198	93.4
443	15.0 - 24.0% of mass 442	17 (18.2)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2011538-4TFACTOR-B	WG2011538-4	DEG1219N	12/19/24 19:15
WG2011538-5TFACTOR-P	WG2011538-5	DEG1219N	12/19/24 19:15
WG2011538-3CCAL	WG2011538-3	CCV1219N	12/19/24 19:33
MW-A_20241213	L2473190-08	73190-08	12/20/24 00:00
MW-F_20241213	L2473190-09	73190-09	12/20/24 00:16

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV118	**Analysis Date**	: 12/17/24 07:02:00
Sample No	: WG2010053-3	**Lab File ID**	: CCV1217A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2010053-3	250918	2.22	972756	2.89	669454	3.87
Upper Limit	501836	2.72	1945512	3.39	1338908	4.37
Lower Limit	125459	1.72	486378	2.39	334727	3.37
Sample ID						
MW-E_20241212	197981	2.22	781068	2.89	529451	3.87
MW-E_20241212 MS	204899	2.22	847810	2.89	556817	3.88
MW-E_20241212 MSD	200921	2.22	848573	2.89	496412	3.88
MW-D_20241212	186590	2.22	777107	2.89	453933	3.87
MW-C_20241212	174925	2.22	680647	2.89	385787	3.87

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV118	**Analysis Date**	: 12/17/24 07:02:00
Sample No	: WG2010053-3	**Lab File ID**	: CCV1217A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2010053-3	1340658	4.72	1212919	6.28	1219101	7.49
Upper Limit	2681316	5.22	2425838	6.78	2438202	7.99
Lower Limit	670329	4.22	606460	5.78	609551	6.99
Sample ID						
MW-E_20241212	1110155	4.72	971270	6.26	938520	7.46
MW-E_20241212 MS	1097248	4.72	917096	6.26	793941	7.46
MW-E_20241212 MSD	1134191	4.72	895465	6.26	904674	7.47
MW-D_20241212	909652	4.72	709397	6.26	700061	7.46
MW-C_20241212	779536	4.72	685186	6.26	643555	7.47

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 12/18/24 06:38:00
Sample No	: WG2010570-3	**Lab File ID**	: CCV1218

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2010570-3	370292	2.33	1496096	2.99	879728	3.97
Upper Limit	740584	2.83	2992192	3.49	1759456	4.47
Lower Limit	185146	1.83	748048	2.49	439864	3.47
Sample ID						
FIELD BLANK_20241212	313006	2.34	1222614	2.99	659441	3.97

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 12/18/24 06:38:00
Sample No	: WG2010570-3	**Lab File ID**	: CCV1218

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2010570-3	1683767	4.80	1305684	6.38	1115455	7.66
Upper Limit	3367534	5.30	2611368	6.88	2230910	8.16
Lower Limit	841884	4.30	652842	5.88	557728	7.16
Sample ID						
FIELD BLANK_20241212	1129991	4.81	712664	6.37	579534	7.65

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 12/18/24 06:44:00
Sample No	: WG2010584-3	**Lab File ID**	: CCV1218

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2010584-3	935616	2.21	3556436	2.89	2260492	3.87
Upper Limit	1871232	2.71	7112872	3.39	4520984	4.37
Lower Limit	467808	1.71	1778218	2.39	1130246	3.37
Sample ID						
WG2010030-1 BLANK	724855	2.22	2769557	2.89	1624154	3.87
MW-X_20241212	776414	2.22	3055968	2.89	1761231	3.87
MW-B_20241212	614402	2.20	2390356	2.88	1441032	3.87

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 12/18/24 06:44:00
Sample No	: WG2010584-3	**Lab File ID**	: CCV1218

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2010584-3	4537937	4.72	4704311	6.29	5636689	7.48
Upper Limit	9075874	5.22	9408622	6.79	11273378	7.98
Lower Limit	2268969	4.22	2352156	5.79	2818345	6.98
Sample ID						
WG2010030-1 BLANK	3194882	4.72	3205074	6.28	3680484	7.48
MW-X_20241212	3348970	4.72	3284539	6.27	3677258	7.47
MW-B_20241212	2884920	4.73	3030794	6.39	3579427	7.60

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 12/19/24 07:05:00
Sample No	: WG2011166-3	**Lab File ID**	: CCV1219

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2011166-3	183438	2.32	731006	2.98	431670	3.96
Upper Limit	366876	2.82	1462012	3.48	863340	4.46
Lower Limit	91719	1.82	365503	2.48	215835	3.46
Sample ID						
WG2010030-2 LCS	122770	2.31	495674	2.97	259819	3.96
WG2010030-3 LCSD	128442	2.32	522010	2.98	273620	3.96
WG2011034-2 LCS	133879	2.32	542668	2.98	292986	3.96
WG2011034-3 LCSD	132533	2.32	536761	2.98	288294	3.96
WG2011034-1 BLANK	137861	2.32	532272	2.98	305935	3.96

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV120	**Analysis Date**	: 12/19/24 07:05:00
Sample No	: WG2011166-3	**Lab File ID**	: CCV1219

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2011166-3	877889	4.81	872898	6.42	860499	7.71
Upper Limit	1755778	5.31	1745796	6.92	1720998	8.21
Lower Limit	438945	4.31	436449	5.92	430250	7.21
Sample ID						
WG2010030-2 LCS	493390	4.81	440554	6.43	449905	7.71
WG2010030-3 LCSD	515529	4.80	457849	6.40	480431	7.69
WG2011034-2 LCS	559306	4.80	498421	6.38	499756	7.67
WG2011034-3 LCSD	552120	4.80	483033	6.38	481297	7.67
WG2011034-1 BLANK	609522	4.80	565318	6.38	533482	7.67

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 12/19/24 19:33:00
Sample No	: WG2011538-3	**Lab File ID**	: CCV1219N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2011538-3	863572	2.21	3299638	2.88	2091331	3.87
Upper Limit	1727144	2.71	6599276	3.38	4182662	4.37
Lower Limit	431786	1.71	1649819	2.38	1045666	3.37
Sample ID						
MW-A_20241213	650667	2.21	2509345	2.88	1483167	3.87
MW-F_20241213	665959	2.21	2583992	2.88	1554014	3.87

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: AKRF, Inc.	**Lab Number**	: L2473190
Project Name	: AVALON SITE-PCW	**Project Number**	: 180017
Instrument ID	: SV125	**Analysis Date**	: 12/19/24 19:33:00
Sample No	: WG2011538-3	**Lab File ID**	: CCV1219N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2011538-3	4333620	4.72	4669030	6.28	5544941	7.49
Upper Limit	8667240	5.22	9338060	6.78	11089882	7.99
Lower Limit	2166810	4.22	2334515	5.78	2772471	6.99
Sample ID						
MW-A_20241213	2921239	4.72	2811114	6.27	3063465	7.47
MW-F_20241213	3064942	4.72	2941870	6.27	3172635	7.47

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

EPA 8270E Low Level PAH (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.035	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.035	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.036	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.043	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.018	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.016	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.037	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.015	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.04	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.04	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.041	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.045	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.22	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.032	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.03	ug/l	40-140	40	40-140	40	40			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

EPA 8270E Low Level PAH (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	6.68	1.4028	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	6.68	0.8684	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	6.68	0.4676	ug/kg	40-140	50	40-140	50	50			
Hexachlorobutadiene	87-68-3	6.68	0.9352	ug/kg	34-107	50	40-140	50	50			
Naphthalene	91-20-3	6.68	1.2024	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	6.68	0.6012	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	6.68	0.501	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	6.68	0.835	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	6.68	0.5344	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	6.68	0.668	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	6.68	0.4676	ug/kg	35-142	50	35-142	50	50			
1-Methylnaphthalene	90-12-0	6.68	1.0354	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	6.68	1.9038	ug/kg	40-140	50	40-140	50	50			
Pentachlorophenol	87-86-5	26.72	2.9392	ug/kg	17-109	50	17-109	50	50			
Hexachlorobenzene	118-74-1	6.68	0.7014	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	6.68	1.2358	ug/kg	29-106	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of he laboratory.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/17/24 16:16
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.28	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.17	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	0.05	0.10	0.03	J
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.03	0.10	0.03	J
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	0.18	0.10	0.04	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/17/24 17:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	16	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	3.6	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	3.1	0.10	0.02	
56-55-3	Benzo(a)anthracene	0.23	0.10	0.03	
50-32-8	Benzo(a)pyrene	0.06	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.11	0.10	0.03	
207-08-9	Benzo(k)fluoranthene	0.09	0.10	0.03	J
218-01-9	Chrysene	0.18	0.10	0.03	
208-96-8	Acenaphthylene	0.62	0.10	0.02	
120-12-7	Anthracene	2.1	0.10	0.02	
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	6.2	0.10	0.03	
85-01-8	Phenanthrene	9.7	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	0.08	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.09	0.10	0.02	J
129-00-0	Pyrene	2.4	0.10	0.04	
91-57-6	2-Methylnaphthalene	3.3	0.10	0.03	
87-86-5	Pentachlorophenol	0.22	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/17/24 17:24
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.32	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.10	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	0.08	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.04	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.07	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.05	0.10	0.03	J
218-01-9	Chrysene	0.05	0.10	0.03	J
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.06	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.04	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J
129-00-0	Pyrene	0.08	0.10	0.04	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 16:15
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 09:06
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	16	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	3.5	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	4.1	0.10	0.02	
56-55-3	Benzo(a)anthracene	0.22	0.10	0.03	
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.05	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	0.11	0.10	0.03	
208-96-8	Acenaphthylene	0.58	0.10	0.02	
120-12-7	Anthracene	2.8	0.10	0.02	
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	5.6	0.10	0.03	
85-01-8	Phenanthrene	9.2	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	2.3	0.10	0.04	
91-57-6	2-Methylnaphthalene	3.4	0.10	0.03	
87-86-5	Pentachlorophenol	0.28	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 10:19
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.09	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/20/24 00:00
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/20/24 00:16
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.11	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	0.09	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.10	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.12	0.10	0.03	
207-08-9	Benzo(k)fluoranthene	0.07	0.10	0.03	J
218-01-9	Chrysene	0.07	0.10	0.03	J
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	0.05	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	0.10	0.10	0.02	
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	0.05	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	0.05	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	0.10	0.02	
129-00-0	Pyrene	0.12	0.10	0.04	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2010030-1	Date Collected	: NA
Client ID	: WG2010030-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/24 08:18
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 010030-1	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: WG2011034-1	Date Collected	: NA
Client ID	: WG2011034-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/24 11:56
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 010959-1	Analyst	: RP
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-01.D
Acq On : 17 Dec 2024 04:16 pm
Operator : SV118:jjw
Sample : L2473190-01,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 18 15:04:31 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.221	152	197981	4000.000	ng/ml	0.00
Standard Area 1 = 250918			Recovery = 78.90%			
8) Naphthalene-d8	2.889	136	781068	4000.000	ng/ml	0.00
Standard Area 1 = 972756			Recovery = 80.29%			
17) Acenaphthene-d10	3.874	164	529451	4000.000	ng/ml	0.00
Standard Area 1 = 669454			Recovery = 79.09%			
22) Phenanthrene-d10	4.716	188	1110155	4000.000	ng/ml	0.00
Standard Area 1 = 1340658			Recovery = 82.81%			
31) Chrysene-d12	6.258	240	971270	4000.000	ng/ml	-0.02
Standard Area 1 = 1212919			Recovery = 80.08%			
36) Perylene-d12	7.460	264	938520	4000.000	ng/ml	-0.03
Standard Area 1 = 1219101			Recovery = 76.98%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.632	112	66836	1194.026	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 59.70%			
3) Phenol-d6	2.037	99	56159	816.473	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.82%			
7) Nitrobenzene-d5	2.506	82	55103	1240.865	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 124.09%			
13) 2-Fluorobiphenyl	3.494	172	119946	798.670	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.87%			
21) 2,4,6-Tribromophenol	4.321	330	64862	2658.646	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 132.93%#			
30) 4-Terphenyl-d14	5.626	244	247222	1088.386	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 108.84%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	3.892	153	4854M1	28.045	ng/ml	
20) Fluorene	4.182	166	571M6	3.097	ng/ml	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-01.D
Acq On : 17 Dec 2024 04:16 pm
Operator : SV118:jjw
Sample : L2473190-01,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 18 15:04:31 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	5.405	202	5787M3	17.154	ng/ml	
29) Pyrene	5.536	202	6372	17.781	ng/ml	99
32) Benzo[a]anthracene	6.254	226	444	4.668	ng/ml#	1
34) Chrysene	6.272	228	304M4	1.038	ng/ml	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

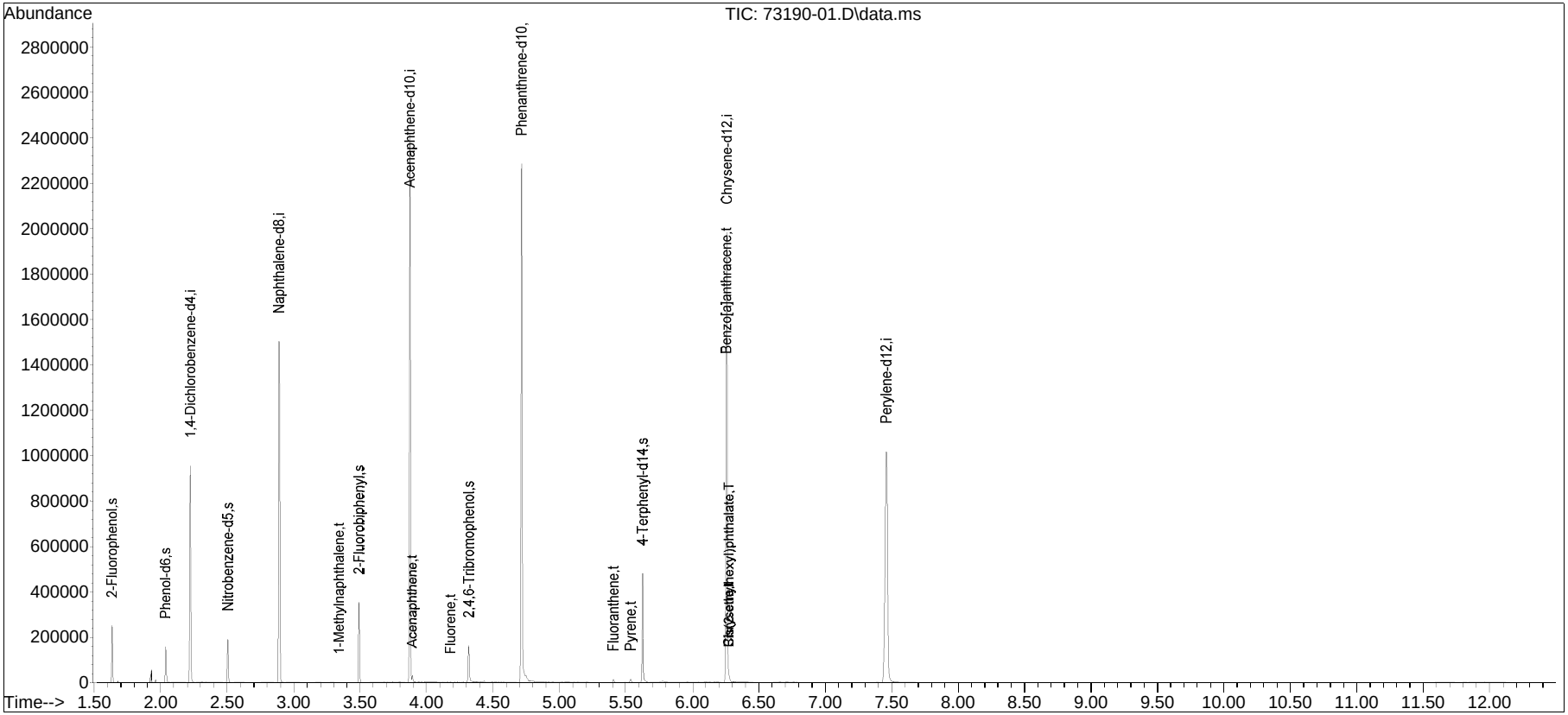
(#) = qualifier out of range (m) = manual integration (+) = signals summed

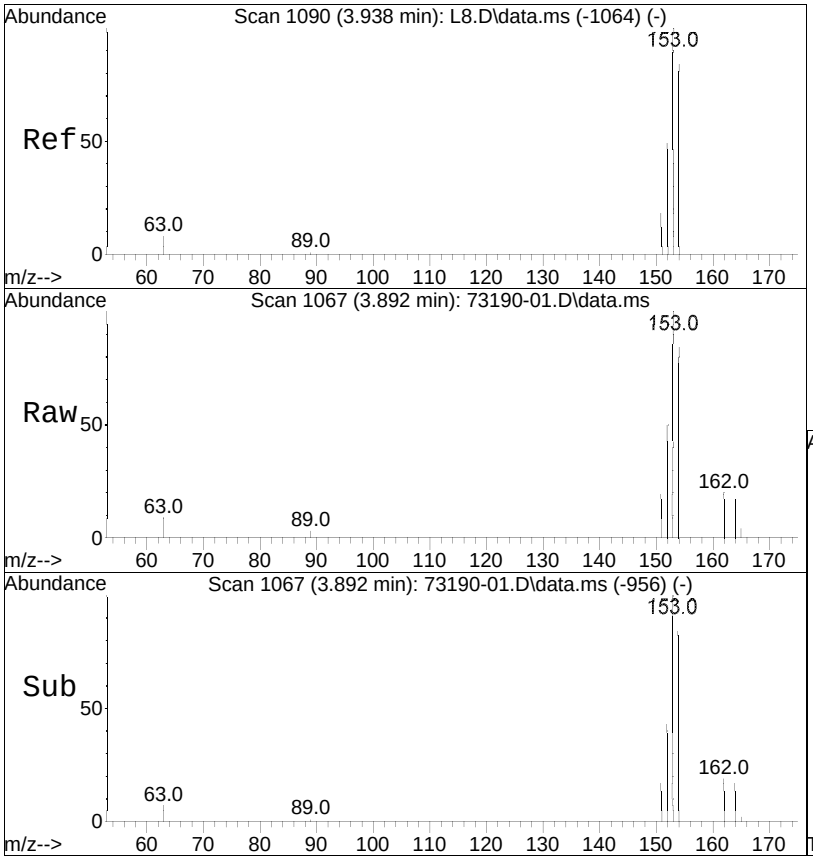
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-01.D
Acq On : 17 Dec 2024 04:16 pm
Operator : SV118:jjw
Sample : L2473190-01,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 18 15:04:31 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1217a.D•

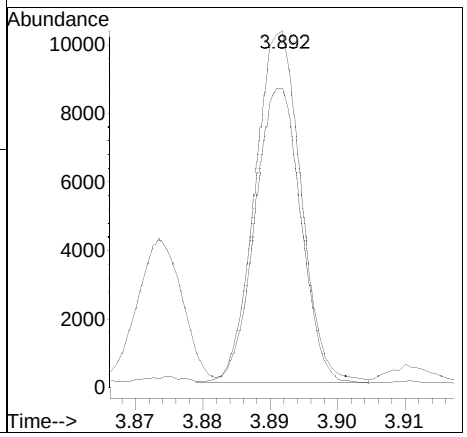


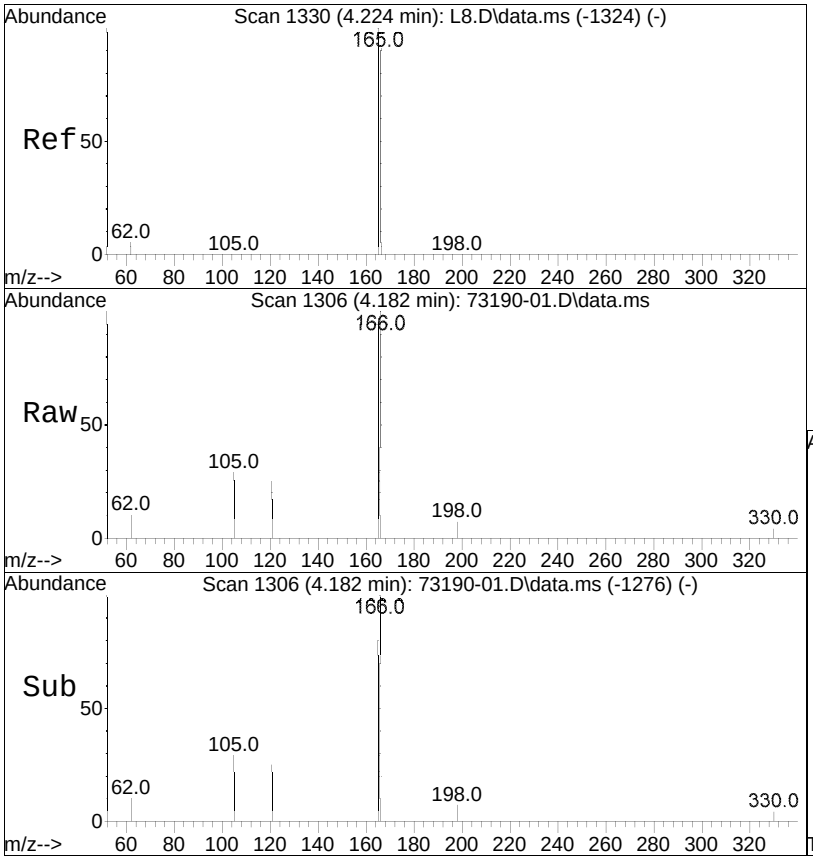


#18
Acenaphthene
Concen: 28.04 ng/ml M1
RT: 3.892 min Scan# 1067
Delta R.T. 0.001 min
Lab File: 73190-01.D
Acq: 17 Dec 2024 04:16 pm

Tgt Ion:153 Resp: 4854

Ion	Ratio	Lower	Upper
153	100		
154	84.0	68.2	102.4

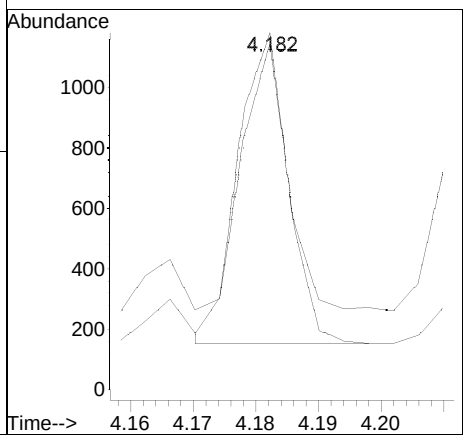


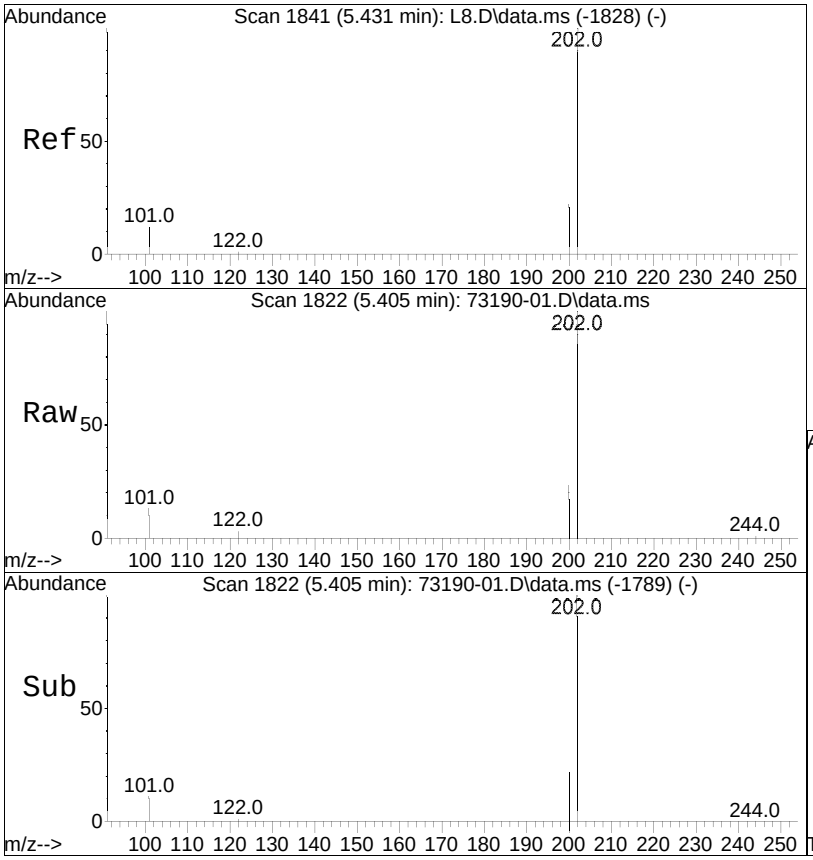


#20
Fluorene
Concen: 3.10 ng/ml M6
RT: 4.182 min Scan# 1306
Delta R.T. 0.001 min
Lab File: 73190-01.D
Acq: 17 Dec 2024 04:16 pm

Tgt Ion:166 Resp: 571

Ion	Ratio	Lower	Upper
166	100		
165	91.4	80.5	120.7

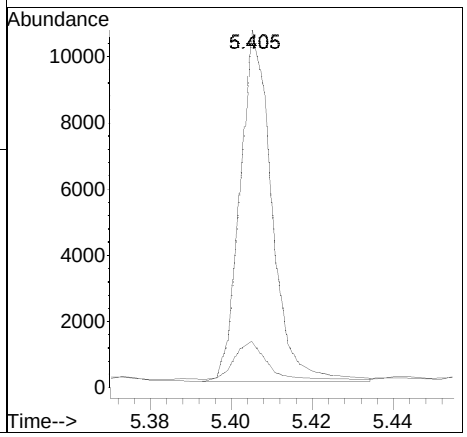


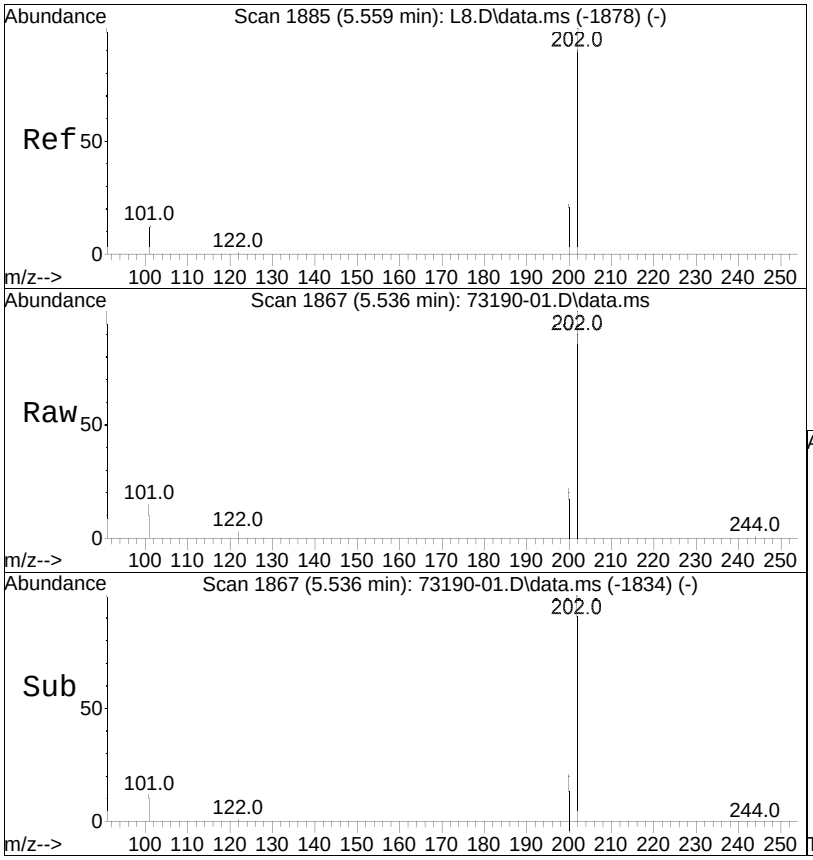


#28
Fluoranthene
Concen: 17.15 ng/ml M3
RT: 5.405 min Scan# 1822
Delta R.T. -0.004 min
Lab File: 73190-01.D
Acq: 17 Dec 2024 04:16 pm

Tgt Ion:202 Resp: 5787

Ion	Ratio	Lower	Upper
202	100		
101	11.3	6.9	10.3#

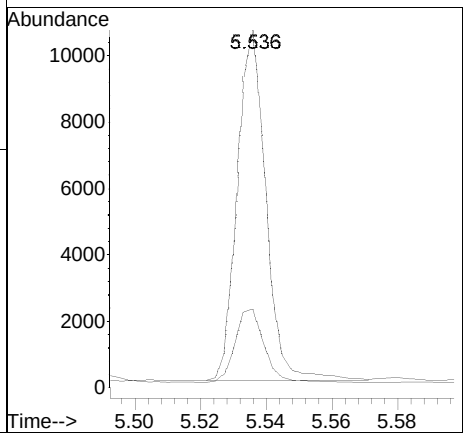


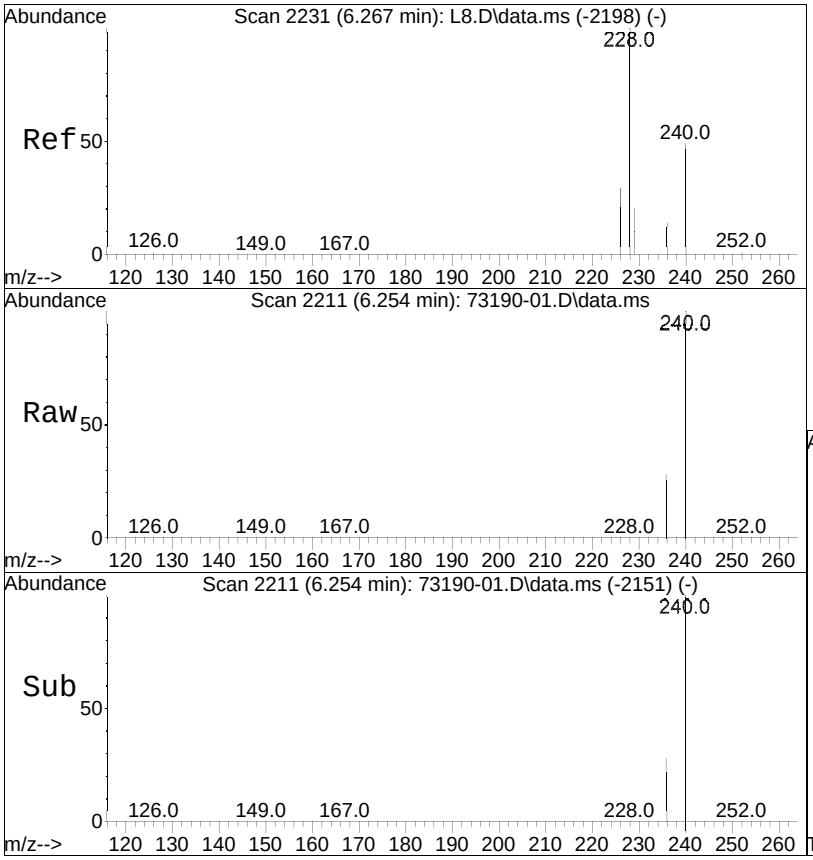


#29
Pyrene
Concen: 17.78 ng/ml
RT: 5.536 min Scan# 1867
Delta R.T. -0.004 min
Lab File: 73190-01.D
Acq: 17 Dec 2024 04:16 pm

Tgt Ion:202 Resp: 6372

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.0

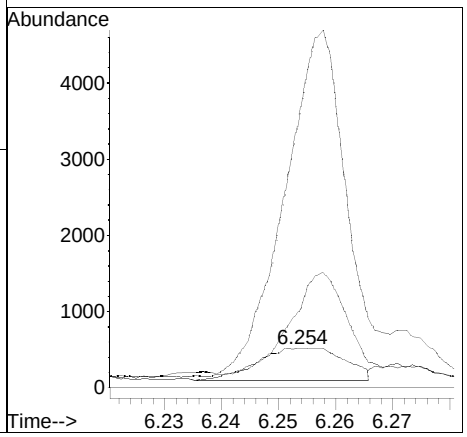


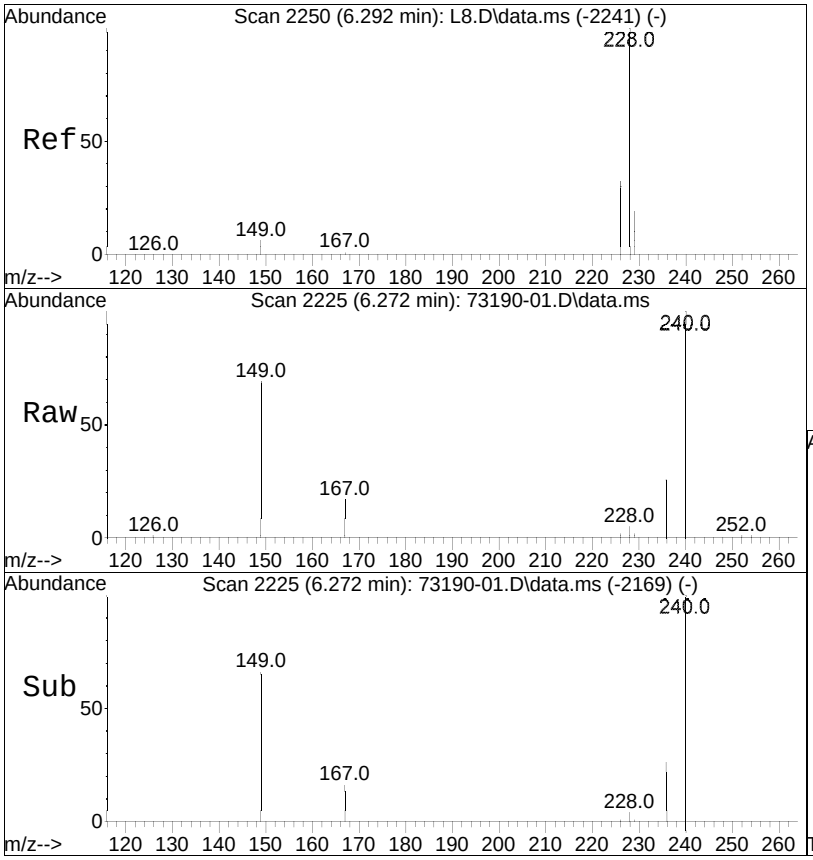


#32
Benzo[a]anthracene
Concen: 4.67 ng/ml
RT: 6.254 min Scan# 2211
Delta R.T. -0.019 min
Lab File: 73190-01.D
Acq: 17 Dec 2024 04:16 pm

Tgt Ion:226 Resp: 444

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	776.8	284.1	426.1#
229	210.4	56.6	85.0#

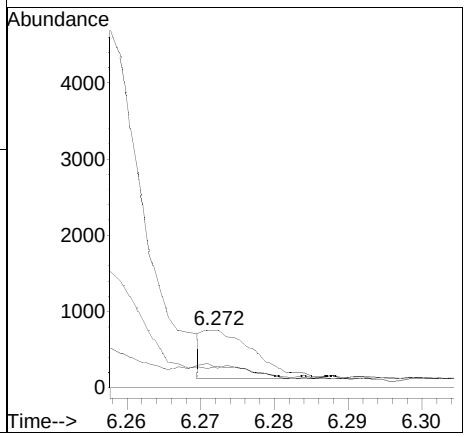




#34
Chrysene
Concen: 1.04 ng/ml M4
RT: 6.272 min Scan# 2225
Delta R.T. -0.026 min
Lab File: 73190-01.D
Acq: 17 Dec 2024 04:16 pm

Tgt Ion:228 Resp: 304

Ion	Ratio	Lower	Upper
228	100		
226	37.5	24.6	36.8#
227	0.0	0.0	0.0
229	39.1	15.4	23.2#

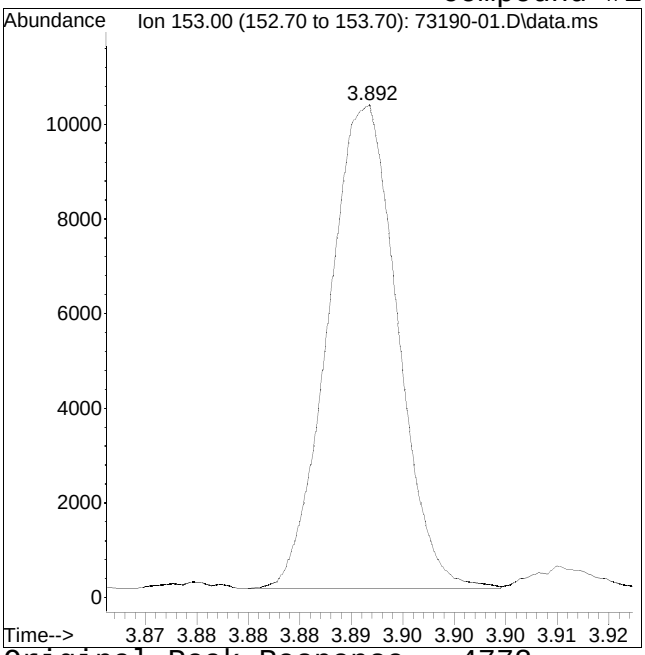


Manual Integration Report

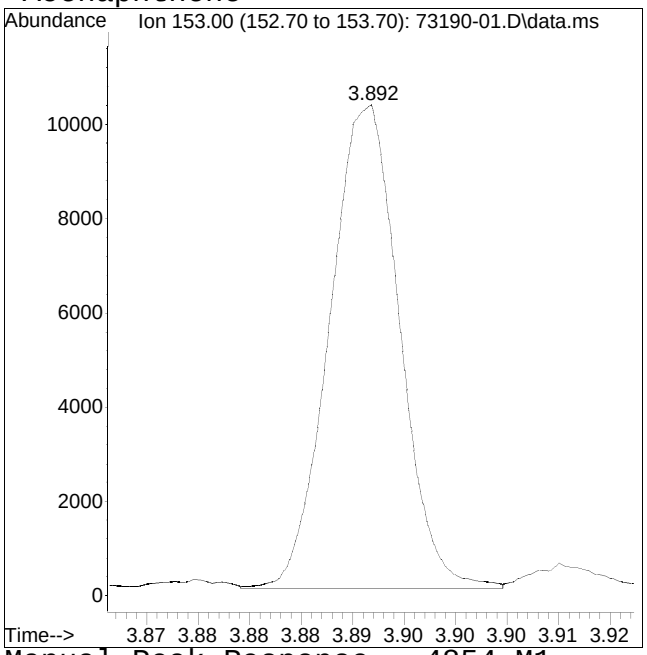
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-01.D
Date Inj'd : 12/17/2024 4:16 pm
Sample : L2473190-01,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 4:29 pm

Compound #18: Acenaphthene



Original Peak Response = 4772



Manual Peak Response = 4854 M1

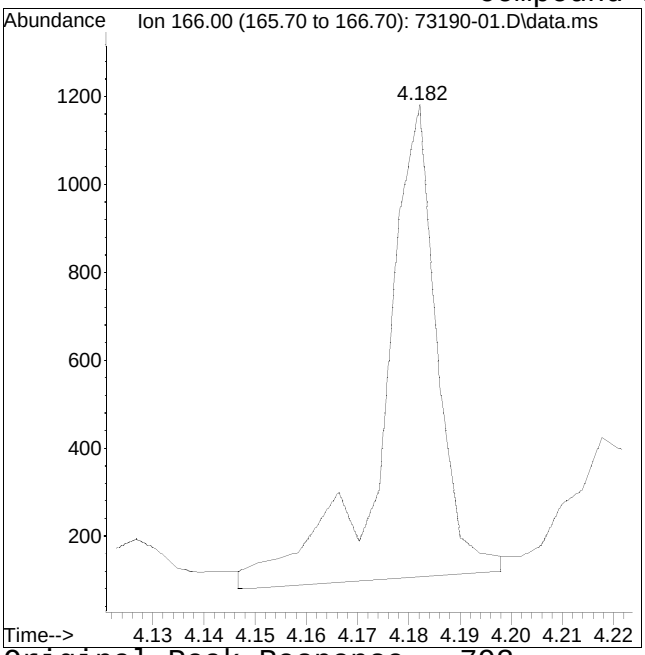
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

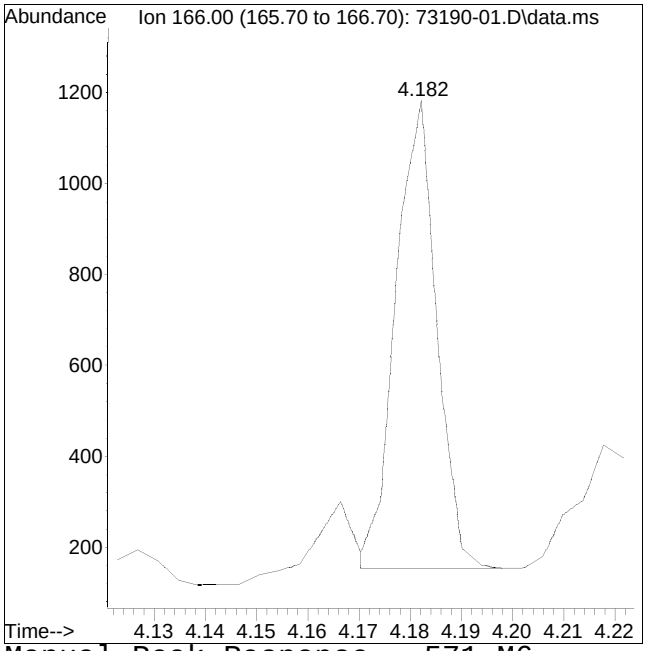
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-01.D
Date Inj'd : 12/17/2024 4:16 pm
Sample : L2473190-01,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 4:29 pm

Compound #20: Fluorene



Original Peak Response = 793



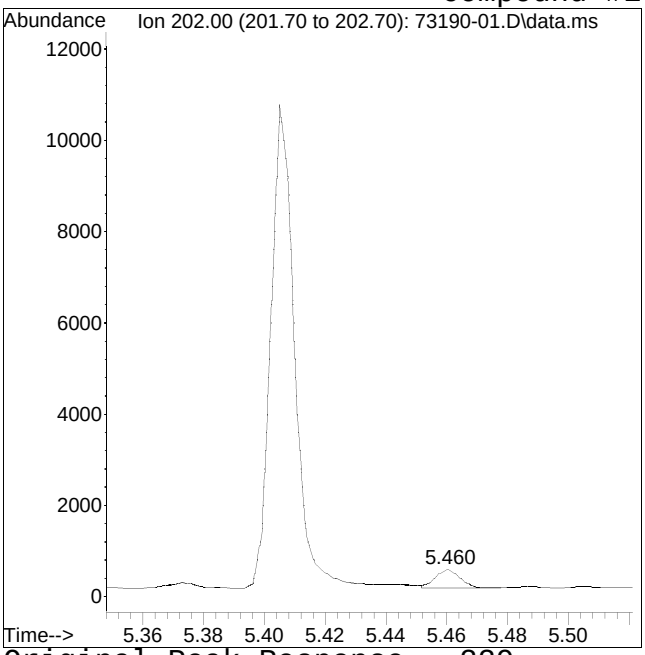
Manual Peak Response = 571 M6

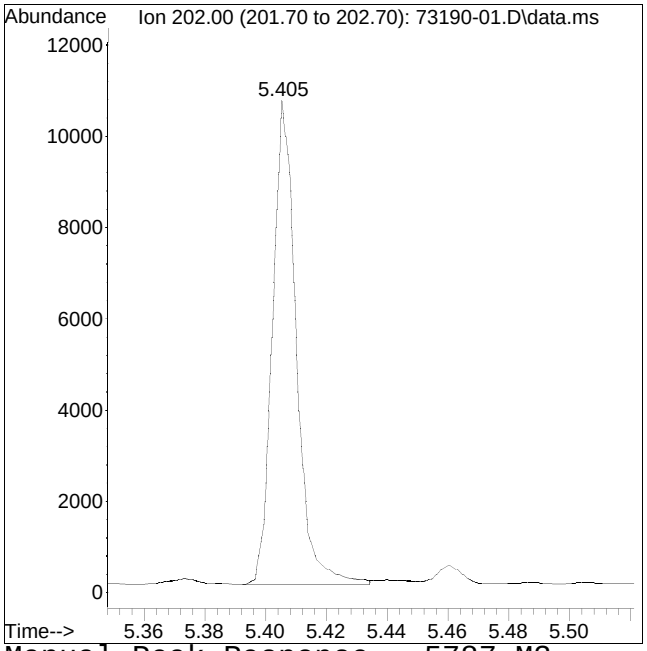
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 73190-01.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 4:16 pm Instrument : SV118
Sample : L2473190-01,32,,kmh Quant Date : 12/17/2024 4:29 pm

Compound #28: Fluoranthene





Original Peak Response = 229 Manual Peak Response = 5787 M3

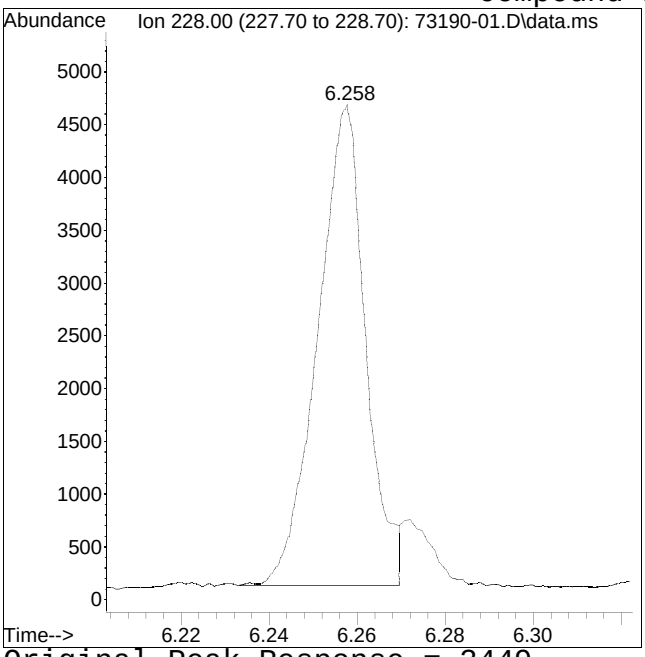
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

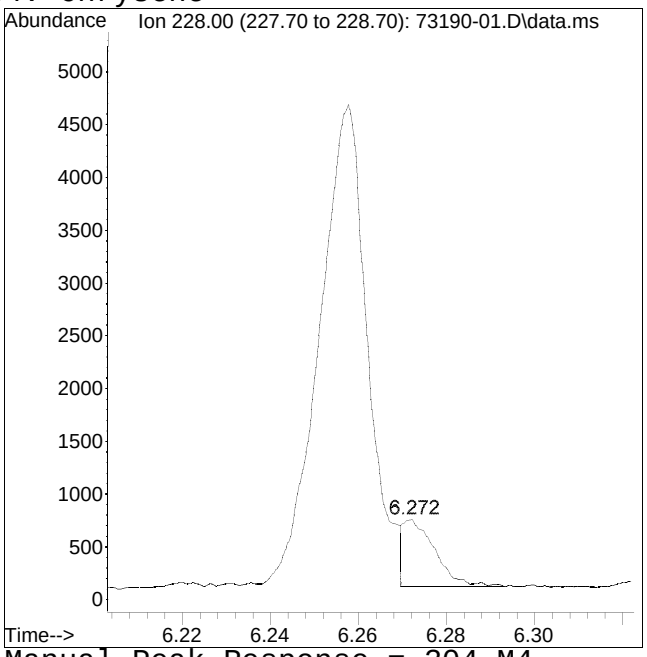
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-01.D
Date Inj'd : 12/17/2024 4:16 pm
Sample : L2473190-01,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 4:29 pm

Compound #34: Chrysene



Original Peak Response = 3449



Manual Peak Response = 304 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-02.D
Acq On : 17 Dec 2024 05:07 pm
Operator : SV118:jjw
Sample : L2473190-02,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 18 15:07:28 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.221	152	186590	4000.000 ng/ml	0.00
Standard Area 1 = 250918			Recovery = 74.36%		
8) Naphthalene-d8	2.893	136	777107	4000.000 ng/ml	0.00
Standard Area 1 = 972756			Recovery = 79.89%		
17) Acenaphthene-d10	3.874	164	453933	4000.000 ng/ml	0.00
Standard Area 1 = 669454			Recovery = 67.81%		
22) Phenanthrene-d10	4.717	188	909652	4000.000 ng/ml	# 0.00
Standard Area 1 = 1340658			Recovery = 67.85%		
31) Chrysene-d12	6.257	240	709397	4000.000 ng/ml	-0.02
Standard Area 1 = 1212919			Recovery = 58.49%		
36) Perylene-d12	7.462	264	700061	4000.000 ng/ml	-0.03
Standard Area 1 = 1219101			Recovery = 57.42%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.633	112	54760	1038.011 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.90%		
3) Phenol-d6	2.040	99	49046	756.591 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.83%		
7) Nitrobenzene-d5	2.506	82	51548	1231.675 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 123.17%		
13) 2-Fluorobiphenyl	3.494	172	110954	742.562 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.26%		
21) 2,4,6-Tribromophenol	4.324	330	46477	2221.991 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 111.10%#		
30) 4-Terphenyl-d14	5.628	244	155125	833.462 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.35%		
Target Compounds					Qvalue
6) Hexachloroethane	0.000		0	N.D. d	
9) Naphthalene	2.901	128	64009M6	312.903 ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D. d	
11) 2-Methylnaphthalene	3.286	142	43137	329.221 ng/ml	96
14) 2-Chloronaphthalene	0.000		0	N.D. d	
16) Acenaphthylene	3.793	152	12019M3	61.738 ng/ml	
18) Acenaphthene	3.892	153	237835M4	1602.723 ng/ml	
20) Fluorene	4.181	166	97329M6	615.631 ng/ml	
24) Hexachlorobenzene	0.000		0	N.D. d	
25) Pentachlorophenol	4.616	266	485M4	21.772 ng/ml	

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-02.D
Acq On : 17 Dec 2024 05:07 pm
Operator : SV118:jjw
Sample : L2473190-02,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 18 15:07:28 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.729	178	240167M6	972.566	ng/ml	
27) Anthracene	4.756	178	50161M3	206.984	ng/ml	
28) Fluoranthene	5.406	202	99996	361.748	ng/ml#	90
29) Pyrene	5.534	202	69338	236.134	ng/ml	98
32) Benzo[a]anthracene	6.251	226	1619M4	23.304	ng/ml	
34) Chrysene	6.272	228	3842M1	17.954	ng/ml	
37) Benzo[b]fluoranthene	7.086	252	2064M3	11.436	ng/ml	
38) Benzo[k]fluoranthene	7.110	252	1717	8.972	ng/ml	95
39) Benzo[a]pyrene	7.395	252	1017	6.378	ng/ml	95
40) Indeno[1,2,3-cd]pyrene	8.680	276	1331	8.954	ng/ml#	83
41) Dibenzo[a,h]anthracene	8.718	278	1280M1	8.459	ng/ml	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

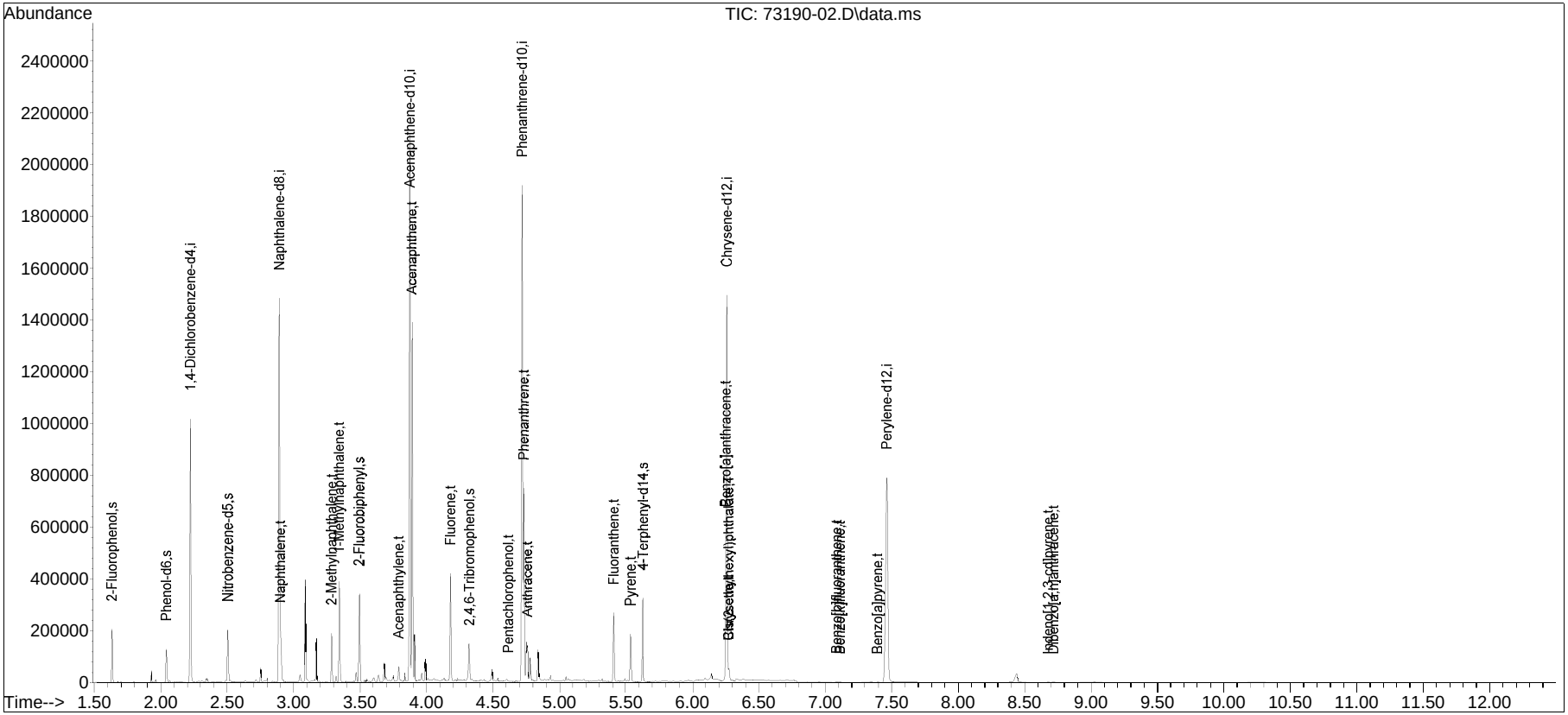
(#) = qualifier out of range (m) = manual integration (+) = signals summed

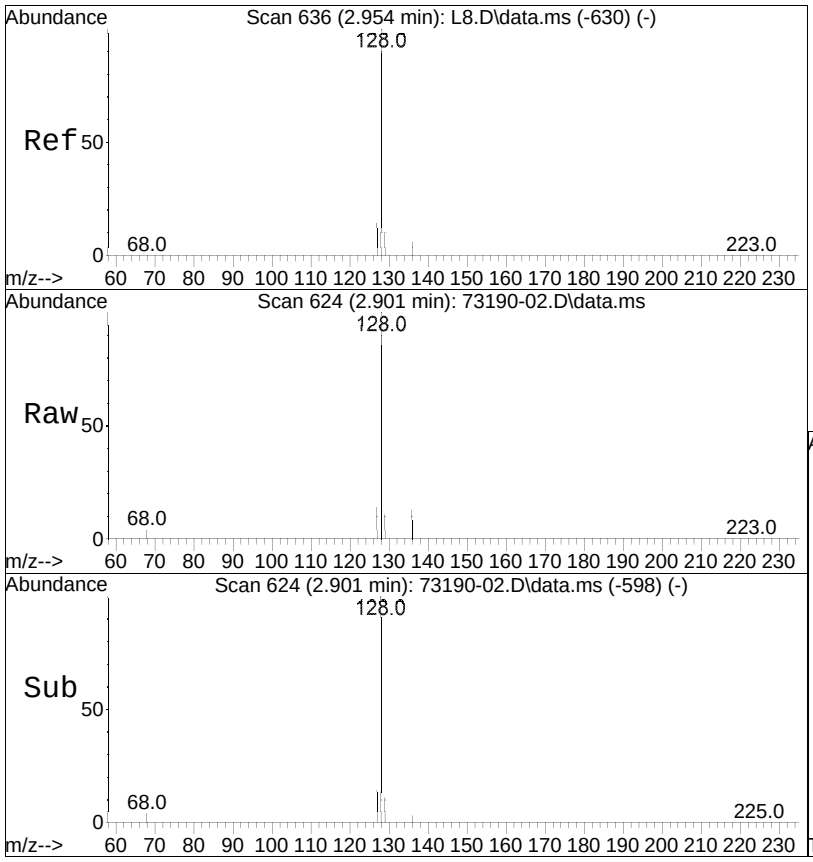
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-02.D
Acq On : 17 Dec 2024 05:07 pm
Operator : SV118:jjw
Sample : L2473190-02,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 18 15:07:28 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1217a.D•

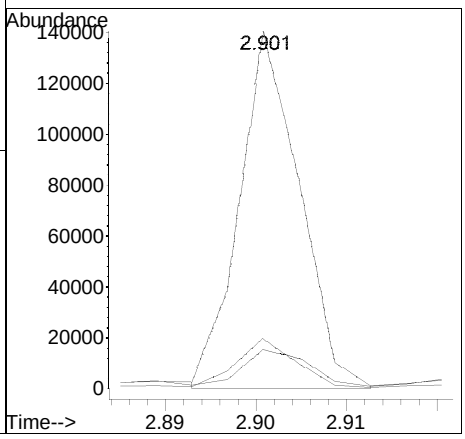


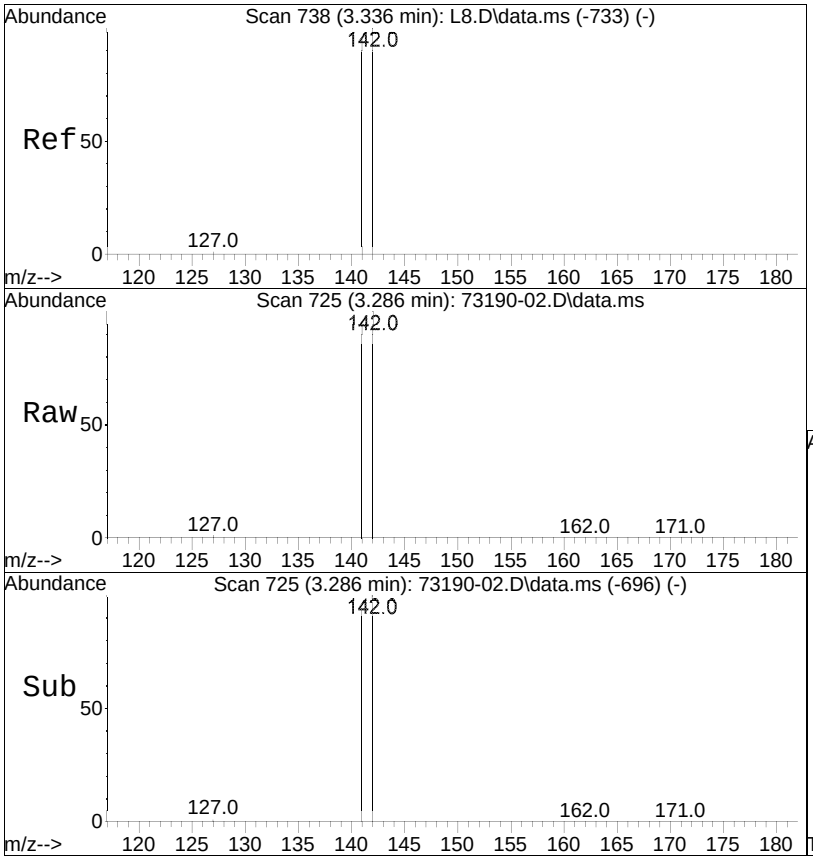


#9
Naphthalene
Concen: 312.90 ng/ml M6
RT: 2.901 min Scan# 624
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:128 Resp: 64009

Ion	Ratio	Lower	Upper
128	100		
129	15.7	8.8	13.2#
127	15.2	10.7	16.1

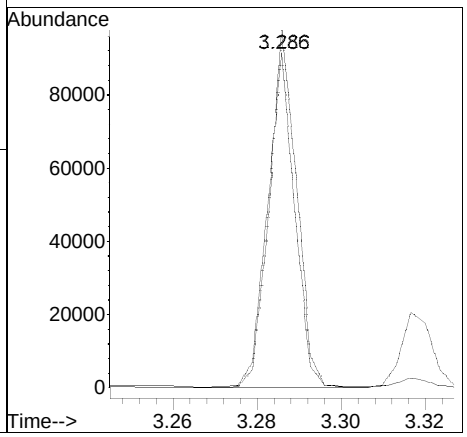


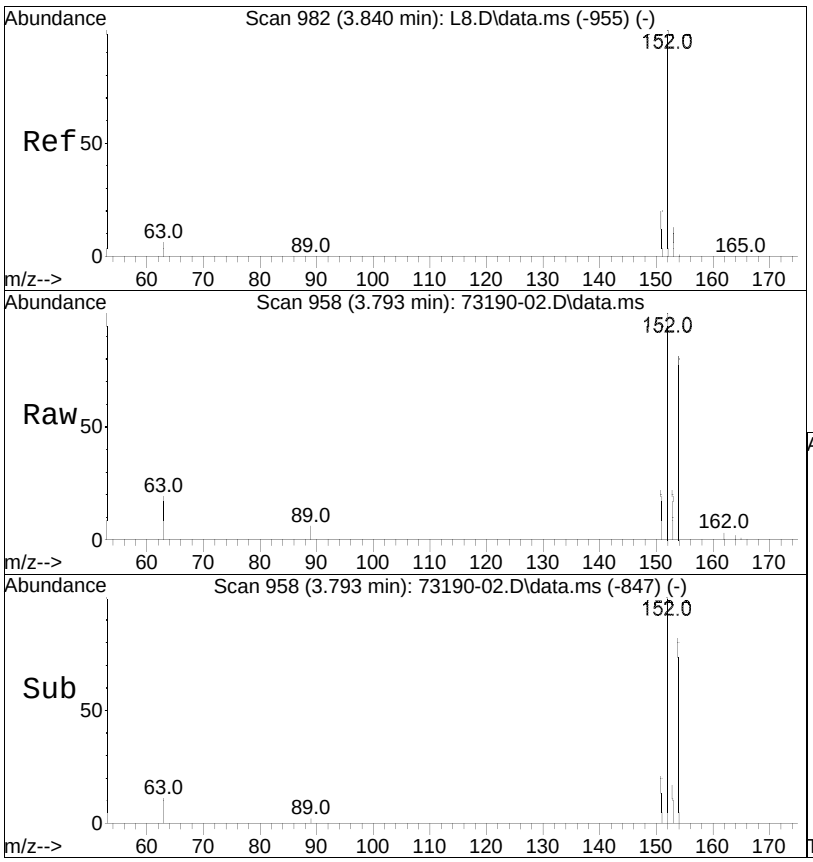


#11
2-Methylnaphthalene
Concen: 329.22 ng/ml
RT: 3.286 min Scan# 725
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:142 Resp: 43137

Ion	Ratio	Lower	Upper
142	100		
141	93.2	71.8	107.8

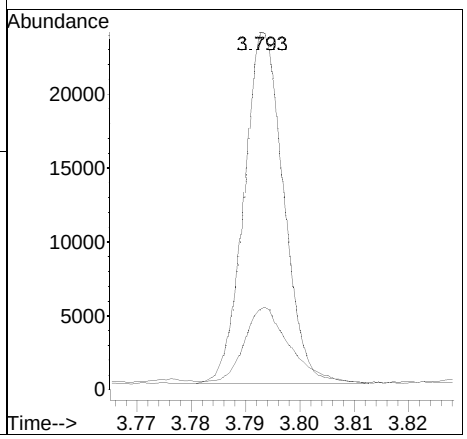


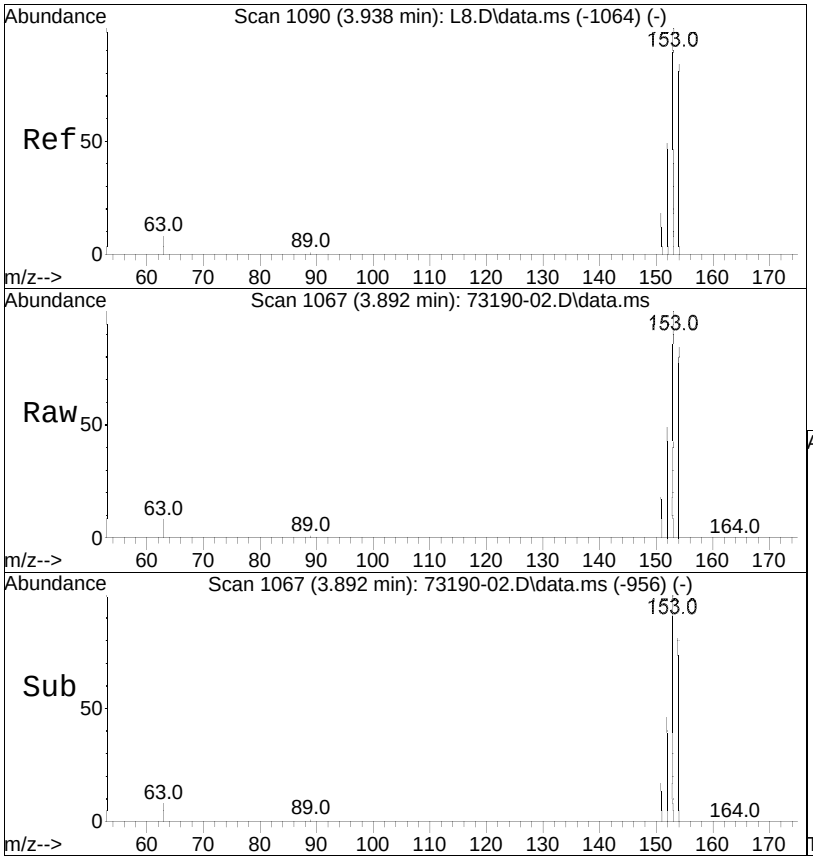


#16
Acenaphthylene
Concen: 61.74 ng/ml M3
RT: 3.793 min Scan# 958
Delta R.T. 0.001 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:152 Resp: 12019

Ion	Ratio	Lower	Upper
152	100		
151	25.1	16.2	24.2#

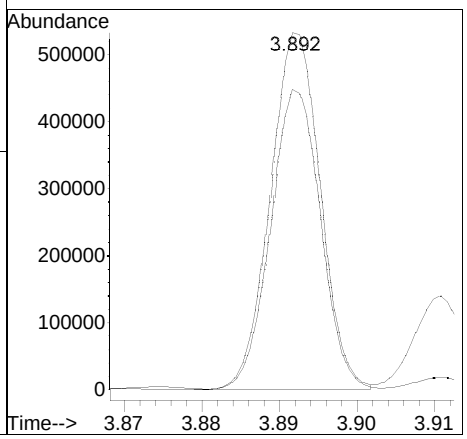


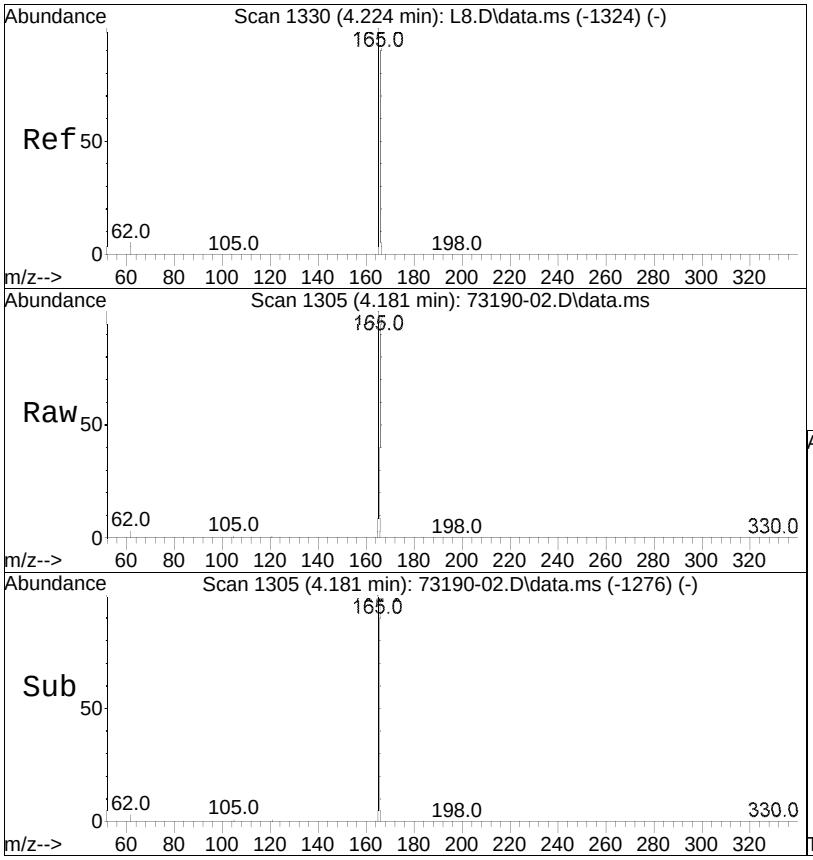


#18
Acenaphthene
Concen: 1602.72 ng/ml M4
RT: 3.892 min Scan# 1067
Delta R.T. 0.001 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:153 Resp: 237835

Ion	Ratio	Lower	Upper
153	100		
154	84.2	68.2	102.4

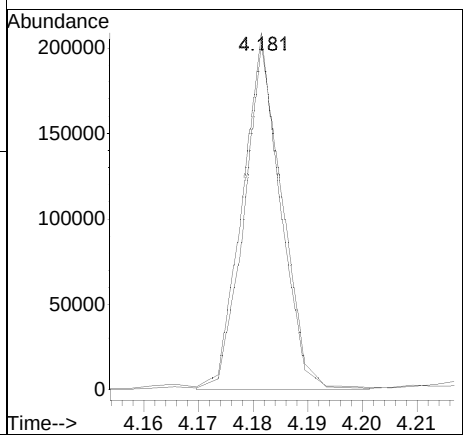


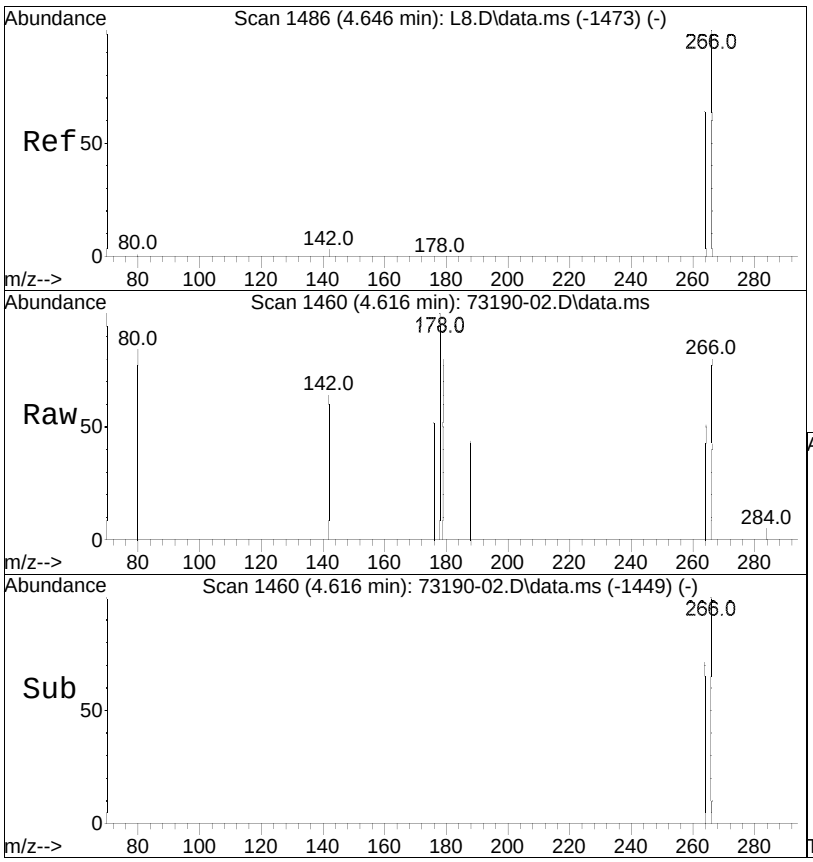


#20
Fluorene
Concen: 615.63 ng/ml M6
RT: 4.181 min Scan# 1305
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:166 Resp: 97329

Ion	Ratio	Lower	Upper
166	100		
165	104.5	80.5	120.7

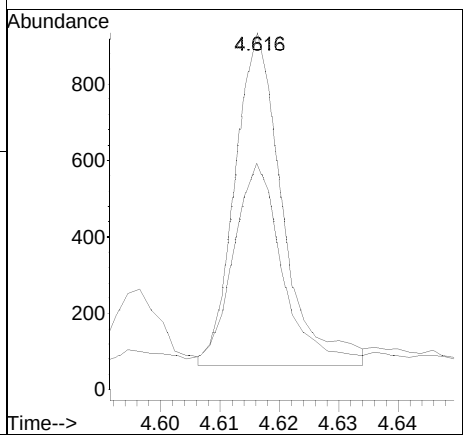


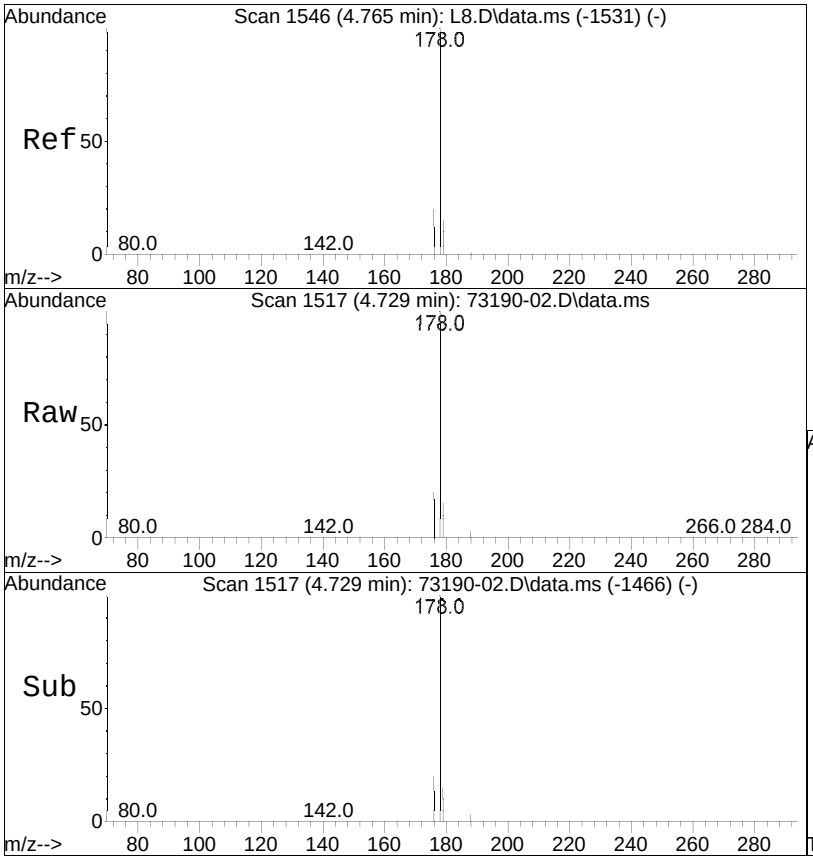


#25
Pentachlorophenol
Concen: 21.77 ng/ml M4
RT: 4.616 min Scan# 1460
Delta R.T. 0.002 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:266 Resp: 485

Ion	Ratio	Lower	Upper
266	100		
264	57.9	50.6	76.0

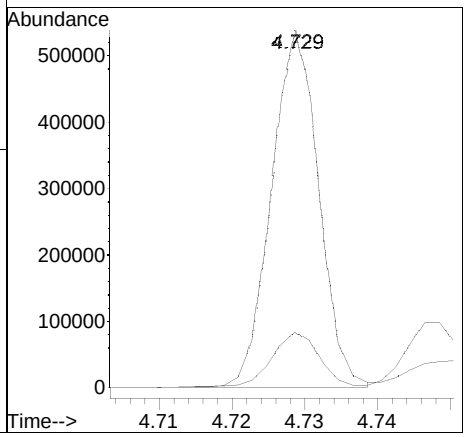


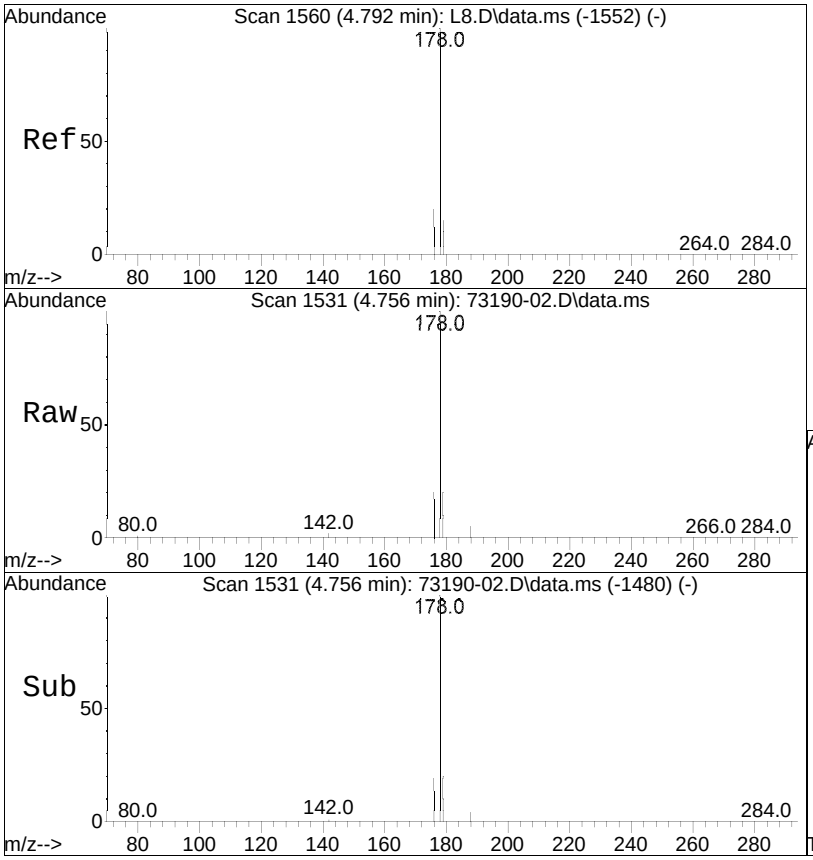


#26
Phenanthrene
Concen: 972.57 ng/ml M6
RT: 4.729 min Scan# 1517
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:178 Resp: 240167

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.5	18.7

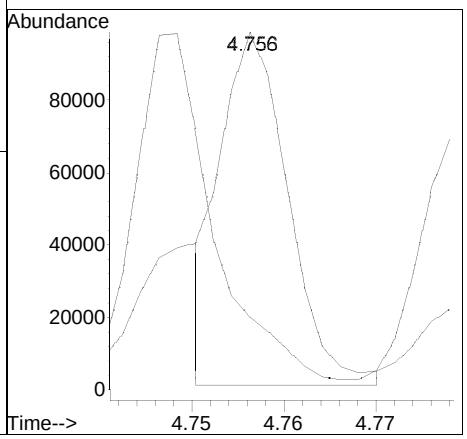


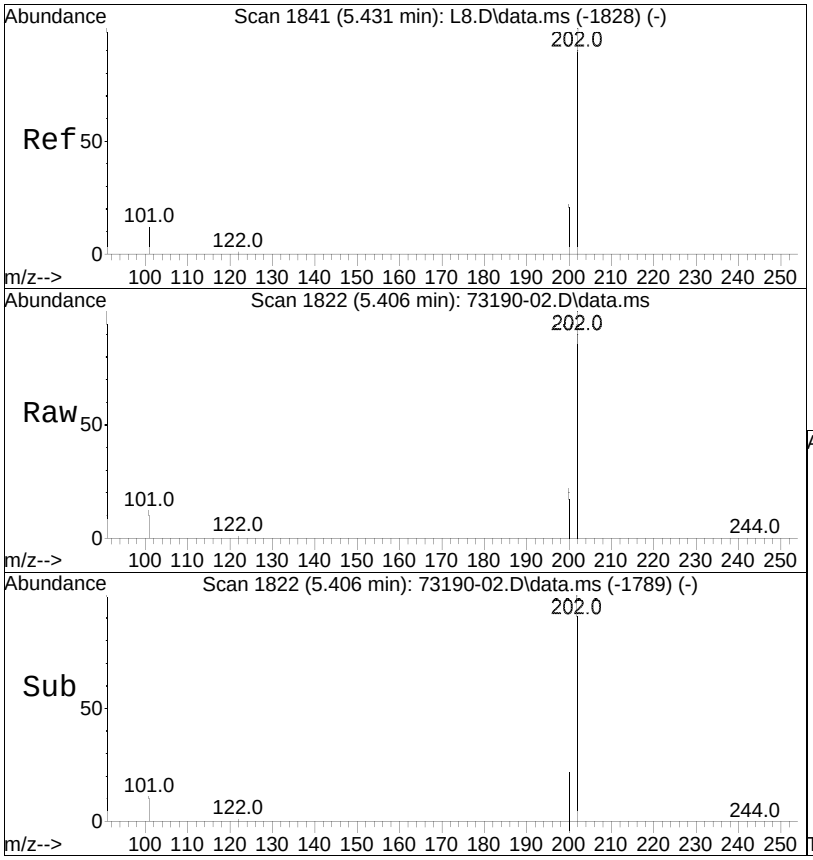


#27
Anthracene
Concen: 206.98 ng/ml M3
RT: 4.756 min Scan# 1531
Delta R.T. -0.000 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:178 Resp: 50161

Ion	Ratio	Lower	Upper
178	100		
179	20.4	12.5	18.7#

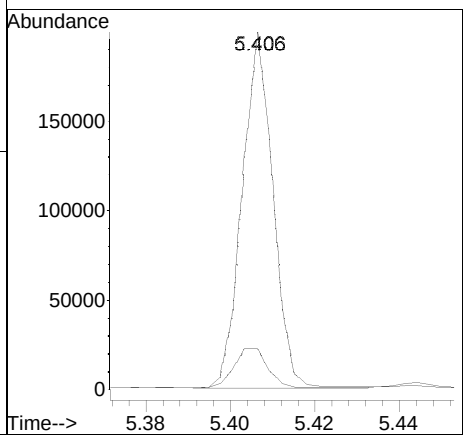


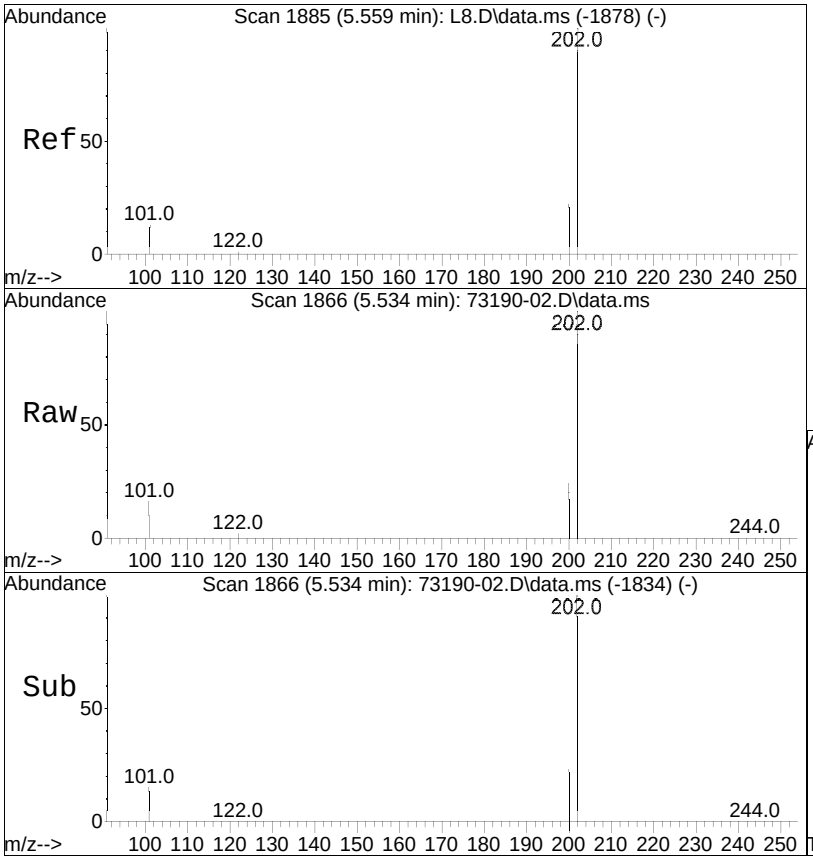


#28
Fluoranthene
Concen: 361.75 ng/ml
RT: 5.406 min Scan# 1822
Delta R.T. -0.003 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:202 Resp: 99996

Ion	Ratio	Lower	Upper
202	100		
101	12.3	6.9	10.3#

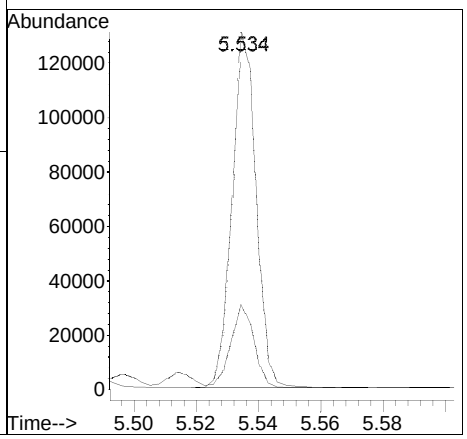


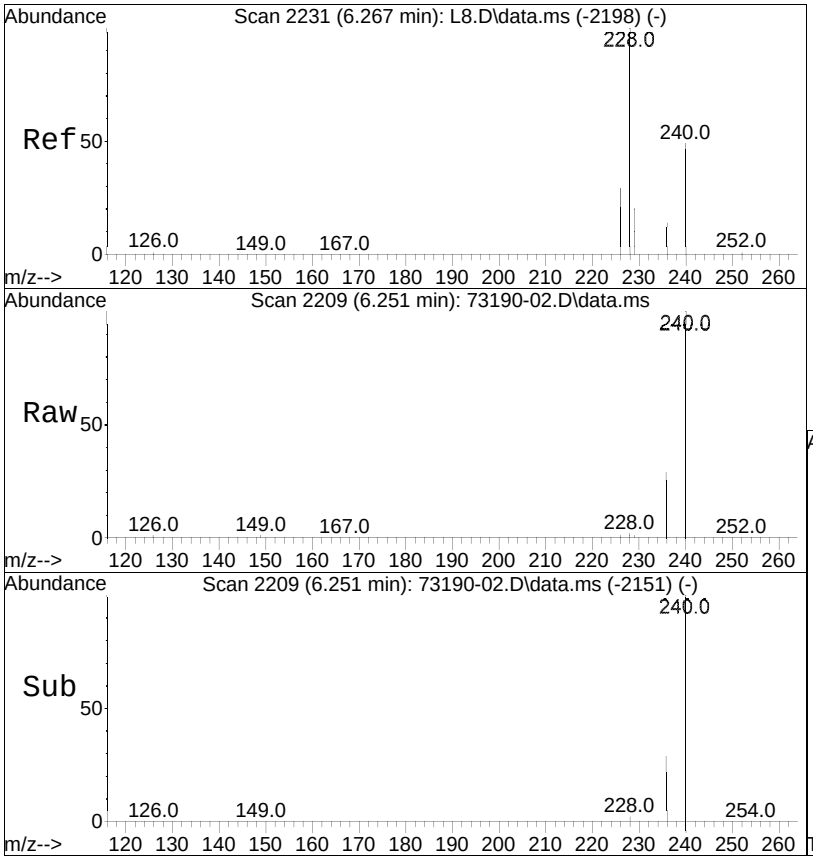


#29
Pyrene
Concen: 236.13 ng/ml
RT: 5.534 min Scan# 1866
Delta R.T. -0.006 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:202 Resp: 69338

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.0

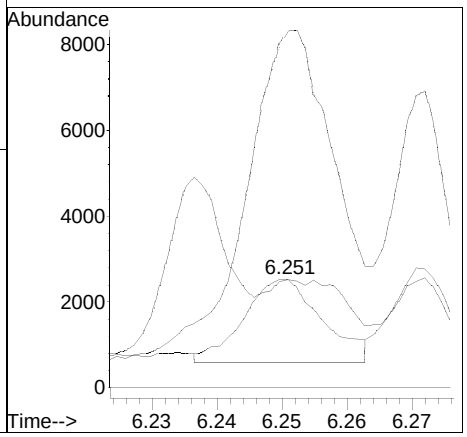


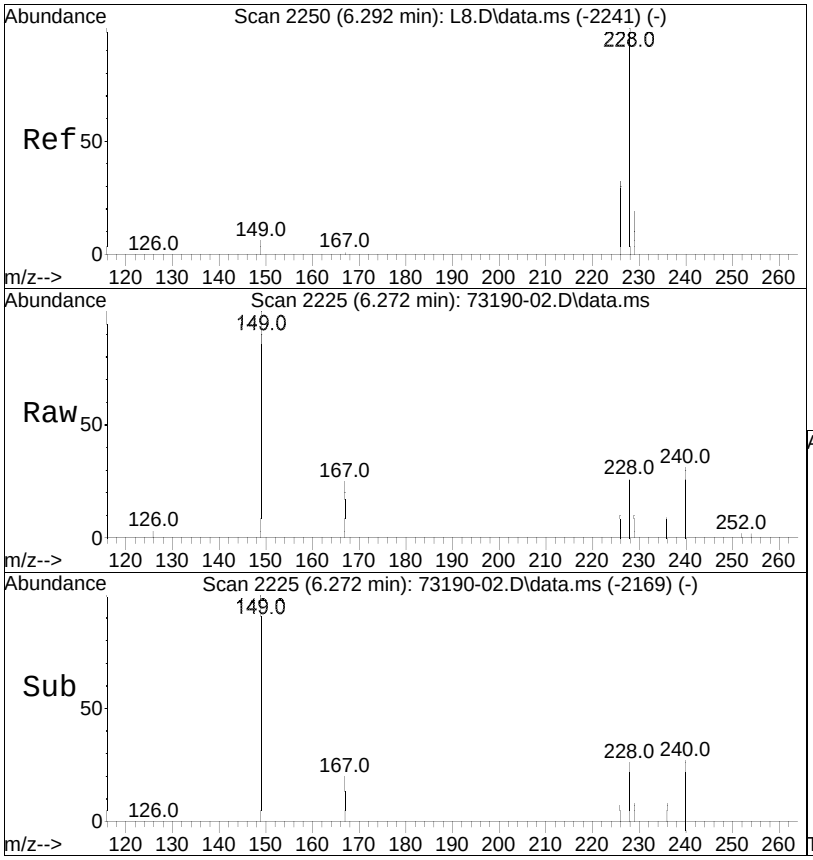


#32
Benzo[a]anthracene
Concen: 23.30 ng/ml M4
RT: 6.251 min Scan# 2209
Delta R.T. -0.022 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:226 Resp: 1619

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	462.9	284.1	426.1#
229	122.3	56.6	85.0#

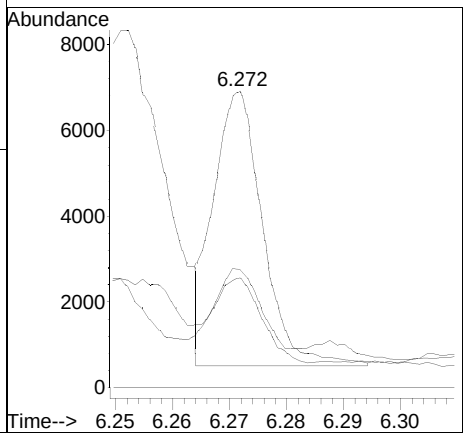


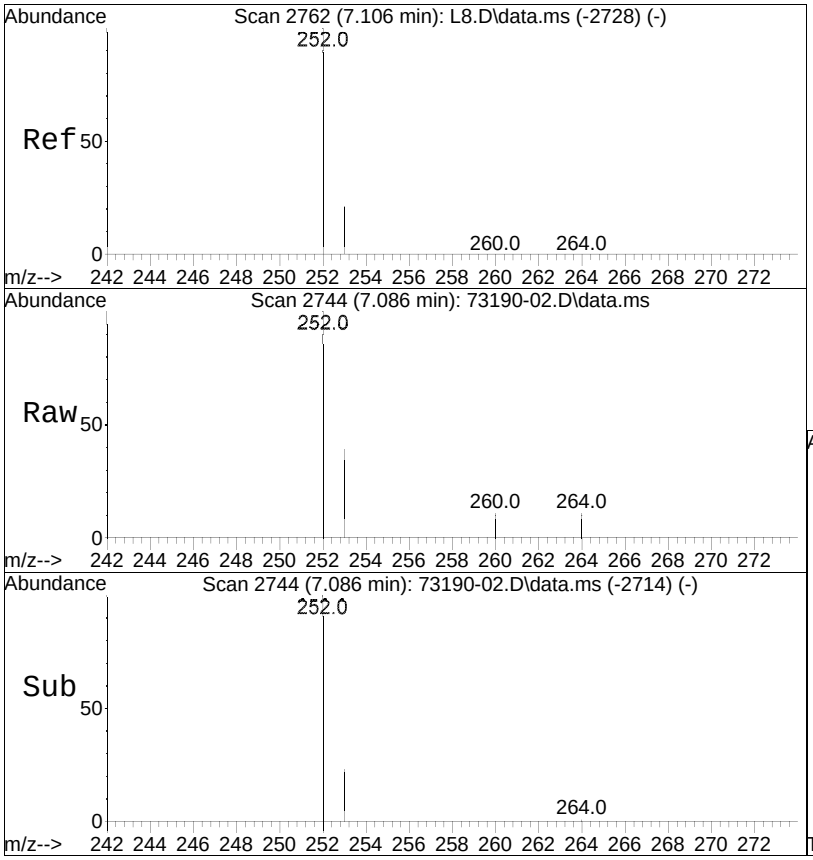


#34
Chrysene
Concen: 17.95 ng/ml M1
RT: 6.272 min Scan# 2225
Delta R.T. -0.026 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:228 Resp: 3842

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.6	36.8
227	0.0	0.0	0.0
229	25.7	15.4	23.2#

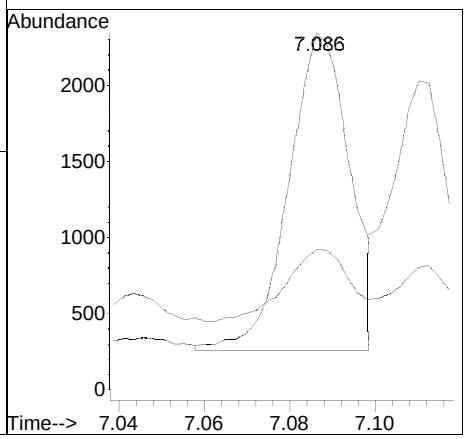


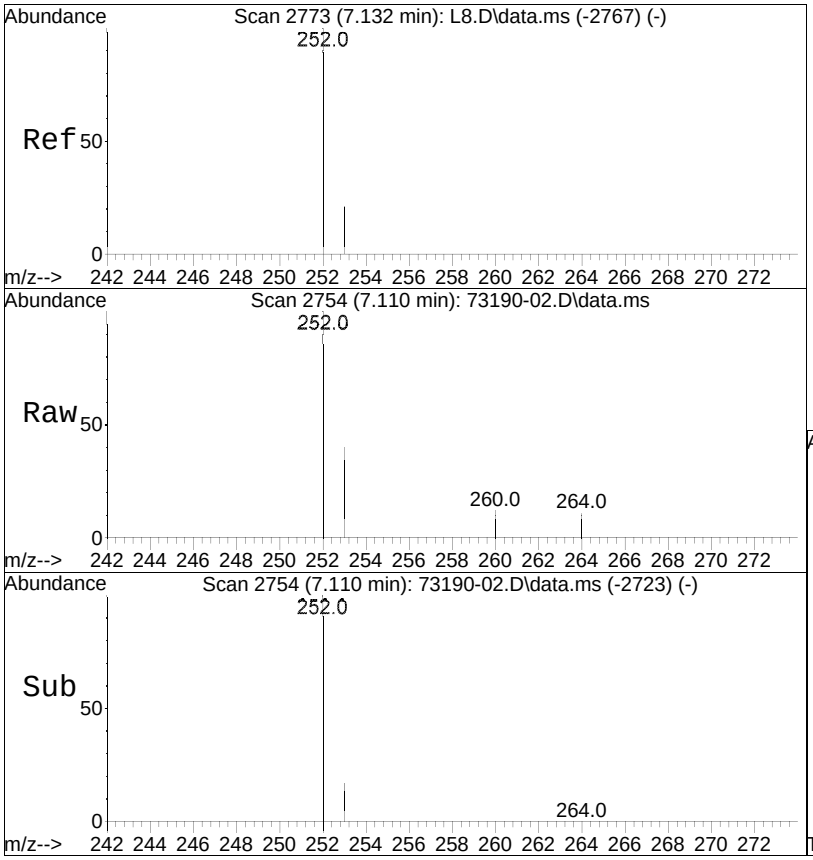


#37
Benzo[b]fluoranthene
Concen: 11.44 ng/ml M3
RT: 7.086 min Scan# 2744
Delta R.T. -0.029 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:252 Resp: 2064

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4

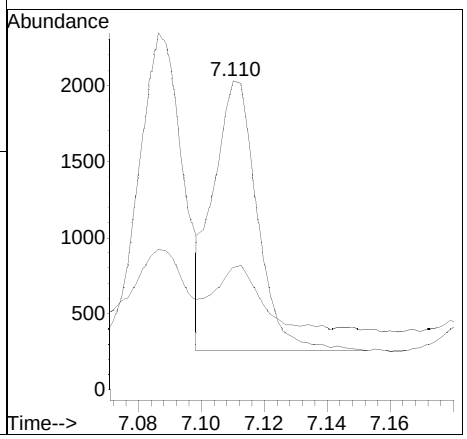


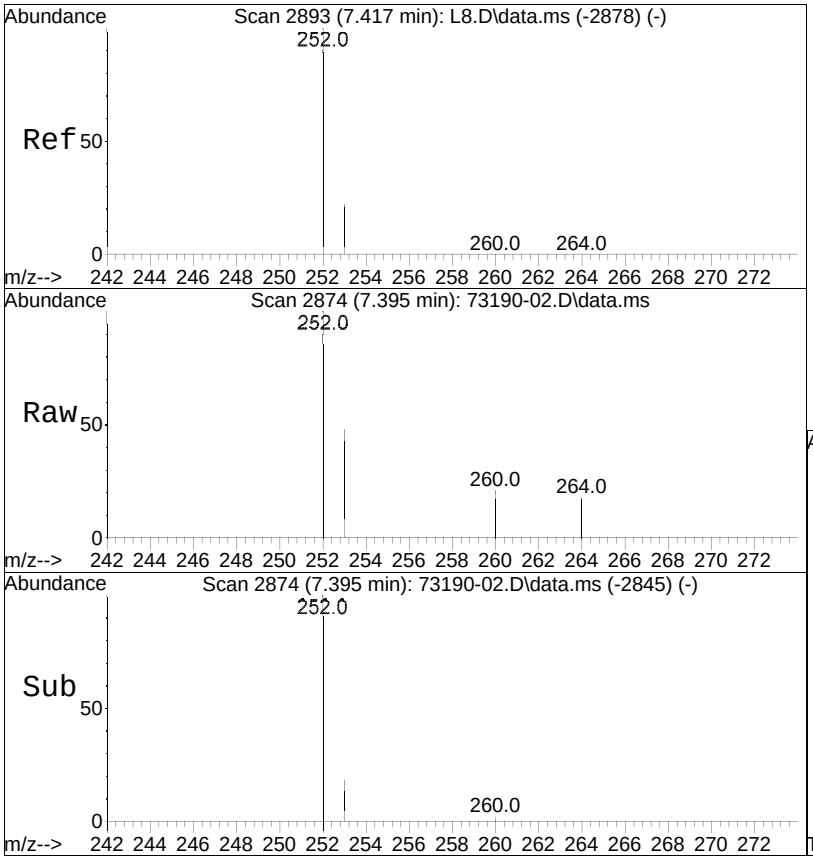


#38
Benzo[k]fluoranthene
Concen: 8.97 ng/ml
RT: 7.110 min Scan# 2754
Delta R.T. -0.026 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:252 Resp: 1717

Ion	Ratio	Lower	Upper
252	100		
253	19.7	17.6	26.4

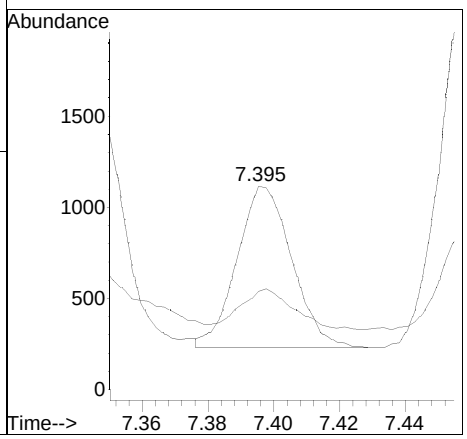


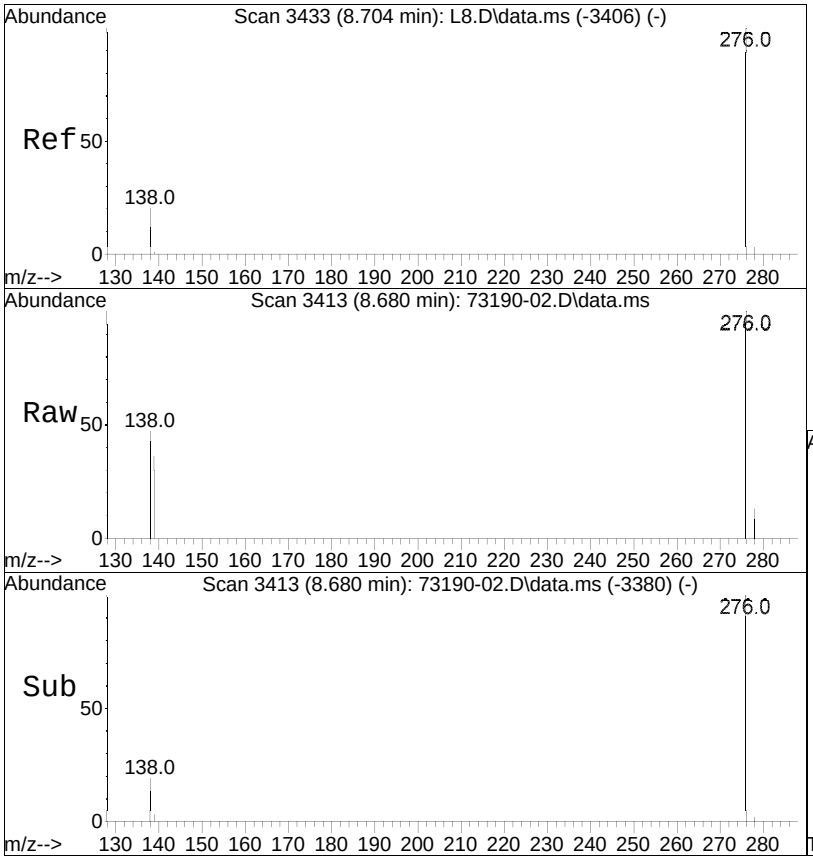


#39
Benzo[a]pyrene
Concen: 6.38 ng/ml
RT: 7.395 min Scan# 2874
Delta R.T. -0.031 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:252 Resp: 1017

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3

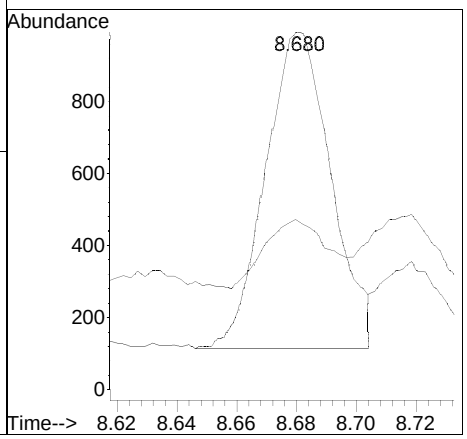


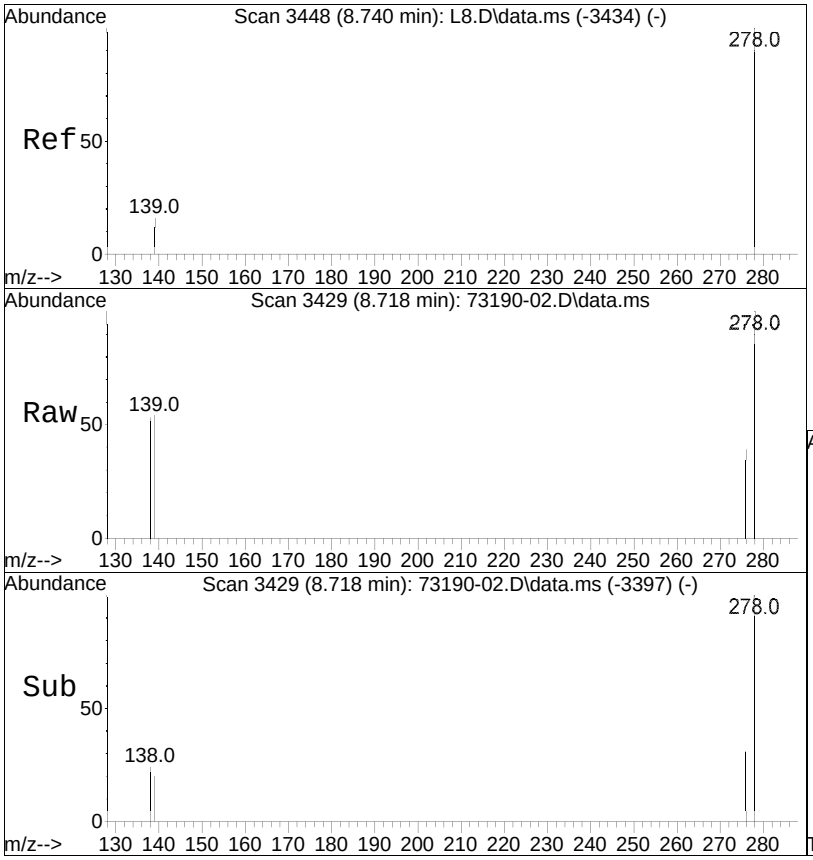


#40
Indeno[1,2,3-cd]pyrene
Concen: 8.95 ng/ml
RT: 8.680 min Scan# 3413
Delta R.T. -0.022 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:276 Resp: 1331

Ion	Ratio	Lower	Upper
276	100		
138	21.9	11.8	17.6#

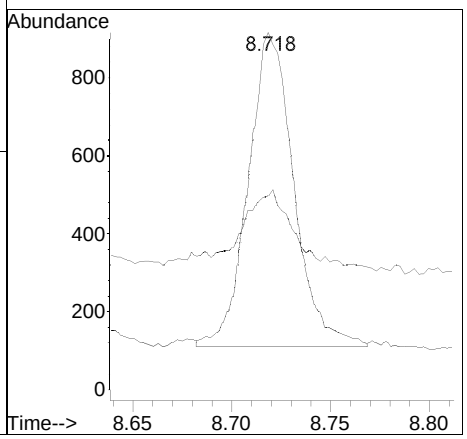




#41
Dibenzo[a,h]anthracene
Concen: 8.46 ng/ml M1
RT: 8.718 min Scan# 3429
Delta R.T. -0.024 min
Lab File: 73190-02.D
Acq: 17 Dec 2024 05:07 pm

Tgt Ion:278 Resp: 1280

Ion	Ratio	Lower	Upper
278	100		
139	21.6	9.8	14.8#

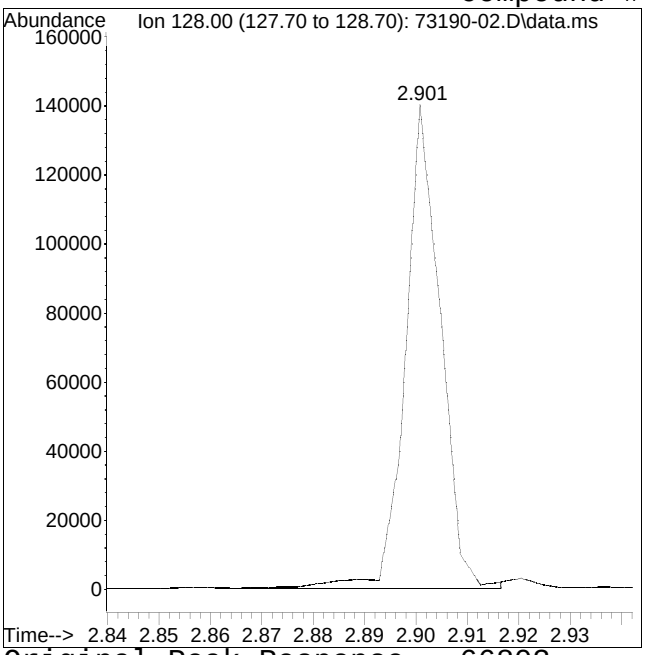


Manual Integration Report

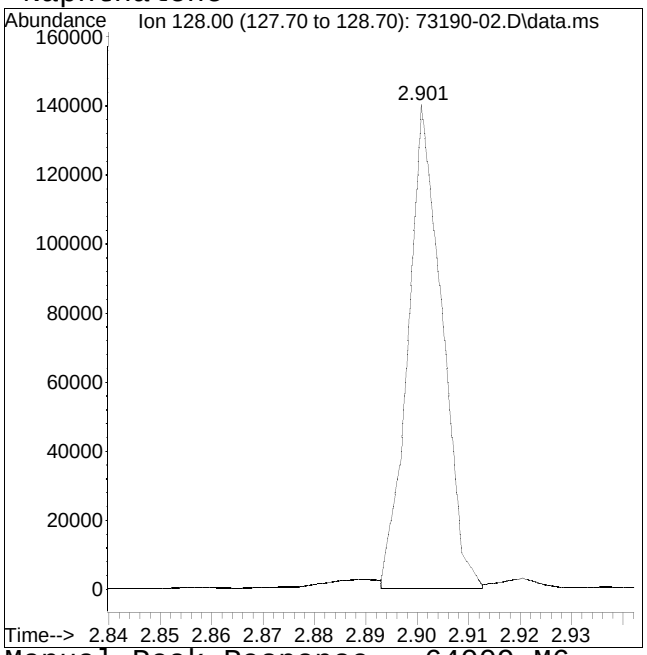
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #9: Naphthalene



Original Peak Response = 66803



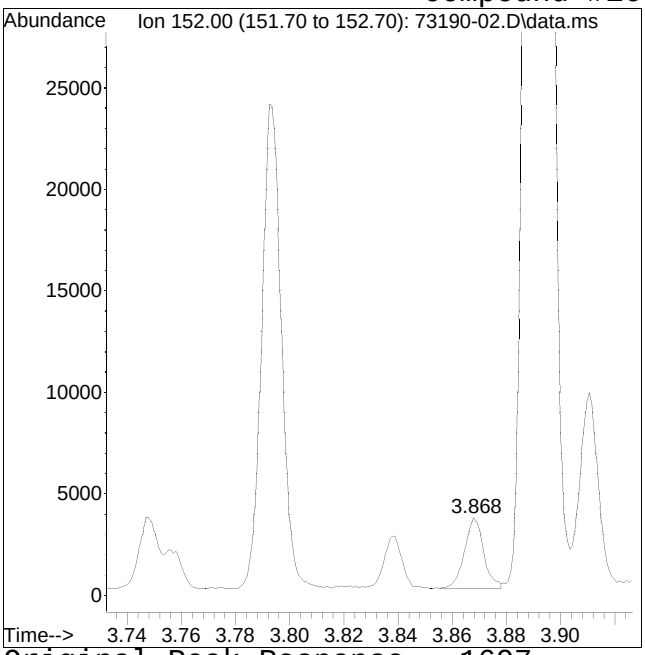
Manual Peak Response = 64009 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

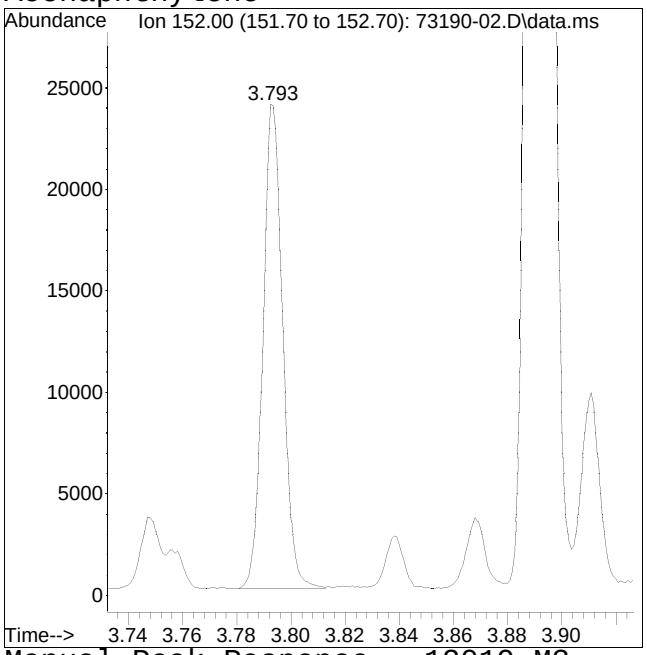
Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 73190-02.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 5:07 pm Instrument : SV118
Sample : L2473190-02,32,,kmh Quant Date : 12/17/2024 5:20 pm

Compound #16: Acenaphthylene



Original Peak Response = 1697



Manual Peak Response = 12019 M3

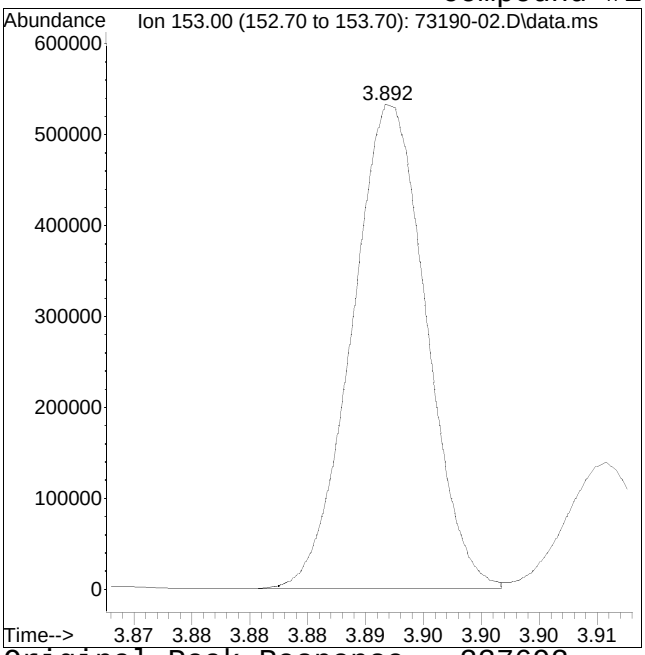
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

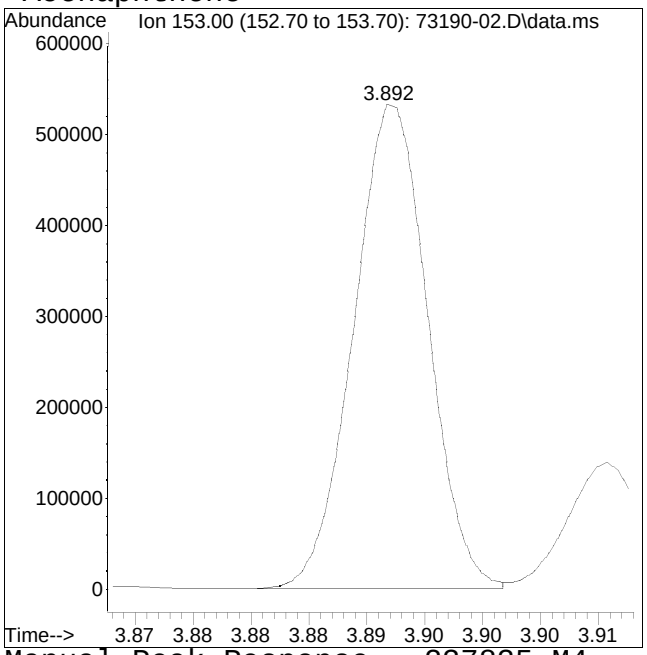
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #18: Acenaphthene



Original Peak Response = 237692



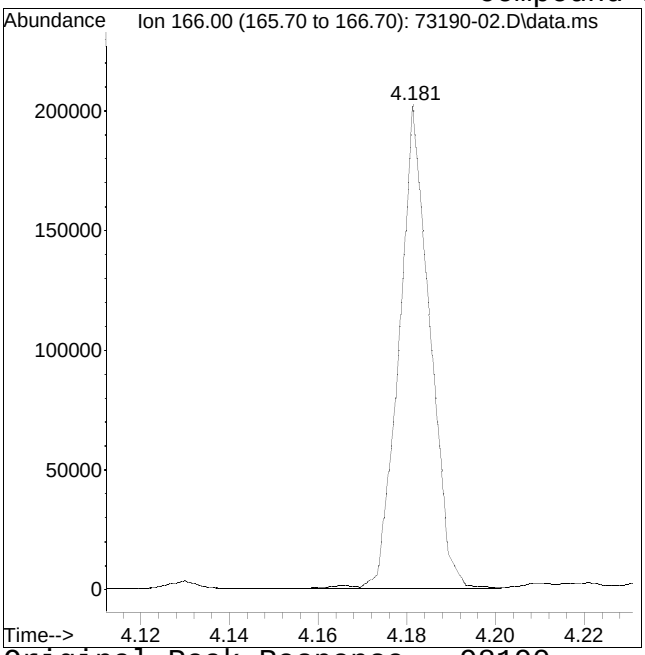
Manual Peak Response = 237835 M4

M4 = Poor automated baseline construction.

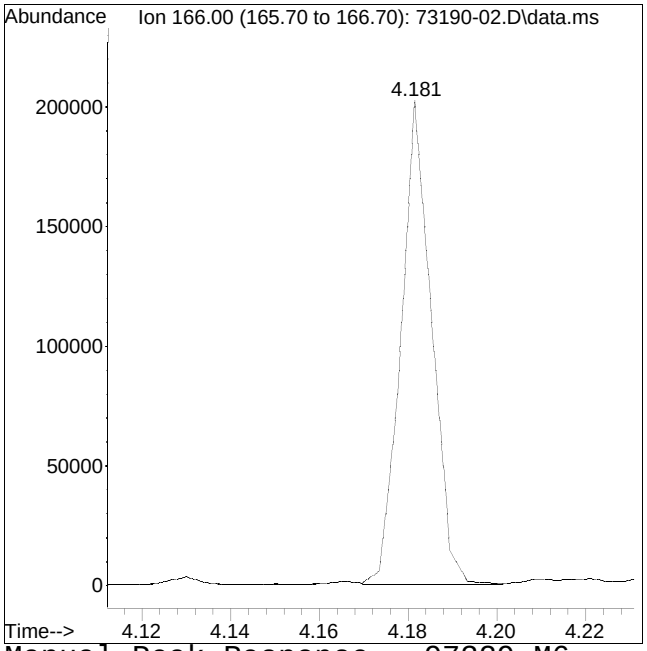
Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 73190-02.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 5:07 pm Instrument : SV118
Sample : L2473190-02,32,,kmh Quant Date : 12/17/2024 5:20 pm

Compound #20: Fluorene



Original Peak Response = 98190



Manual Peak Response = 97329 M6

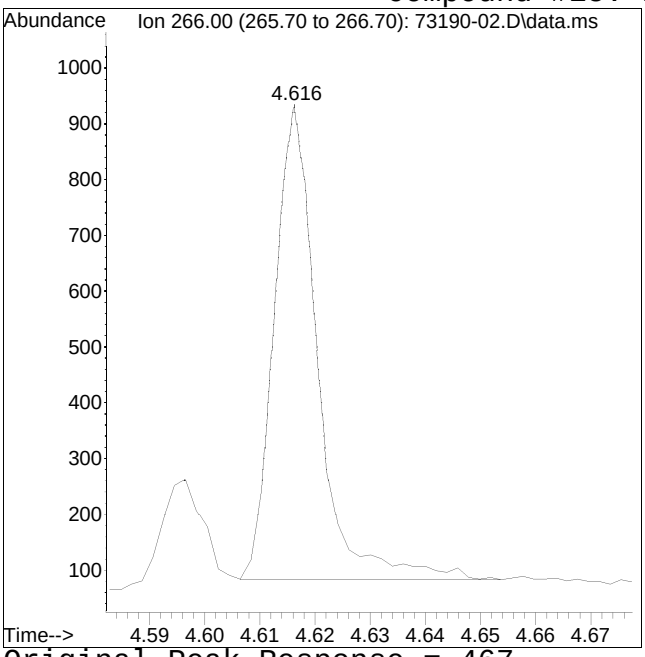
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

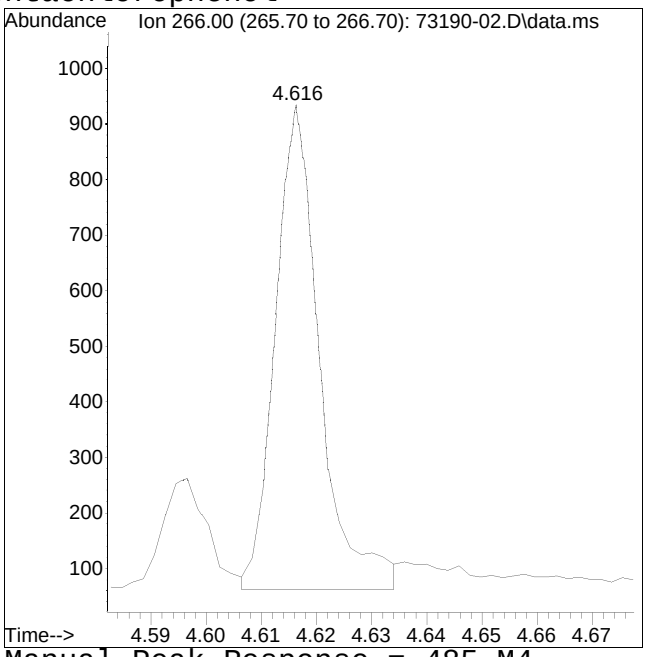
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #25: Pentachlorophenol



Original Peak Response = 467



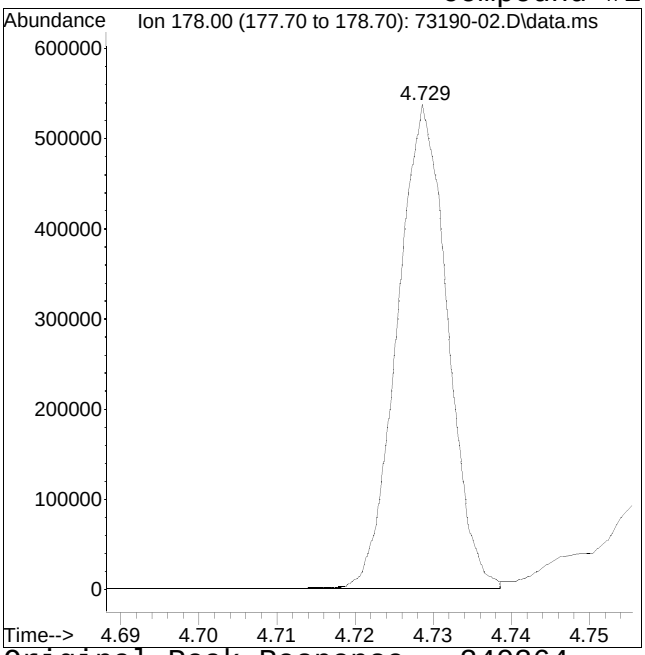
Manual Peak Response = 485 M4

M4 = Poor automated baseline construction.

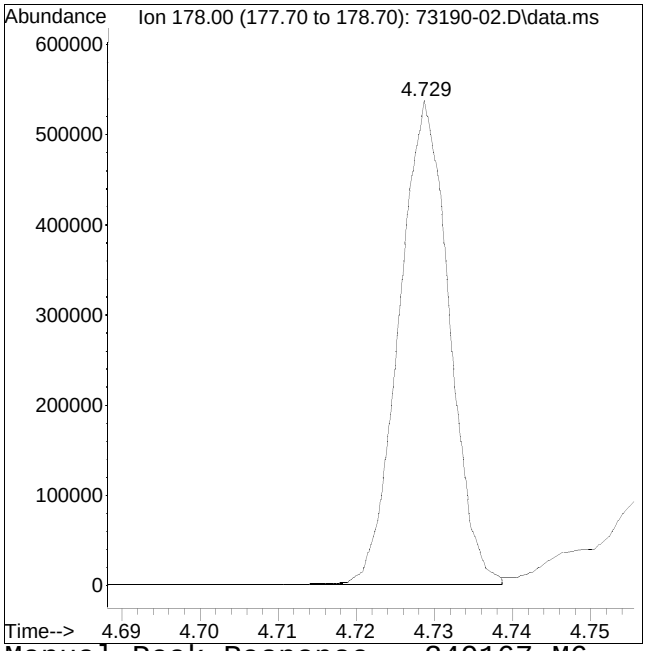
Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 73190-02.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 5:07 pm Instrument : SV118
Sample : L2473190-02,32,,kmh Quant Date : 12/17/2024 5:20 pm

Compound #26: Phenanthrene



Original Peak Response = 240364



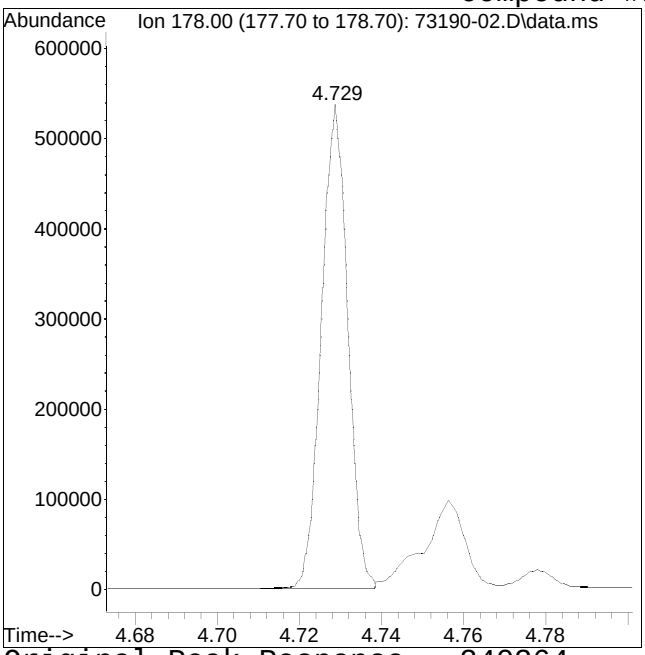
Manual Peak Response = 240167 M6

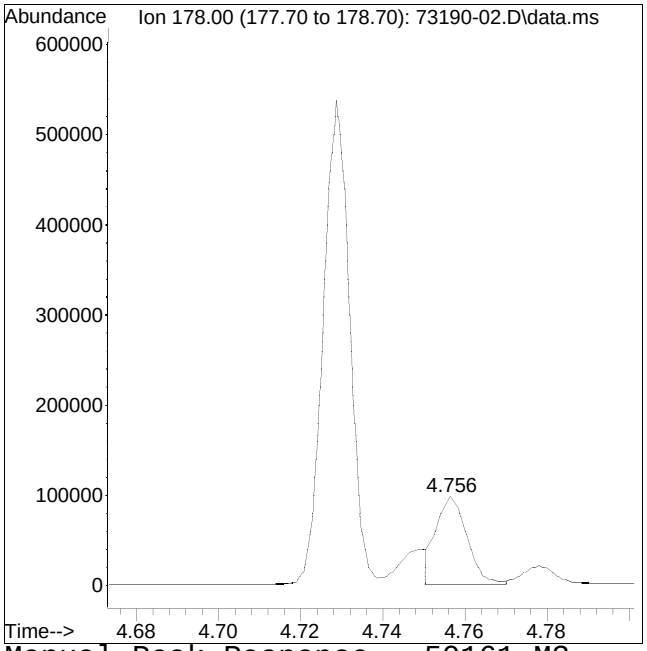
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 73190-02.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 5:07 pm Instrument : SV118
Sample : L2473190-02,32,,kmh Quant Date : 12/17/2024 5:20 pm

Compound #27: Anthracene





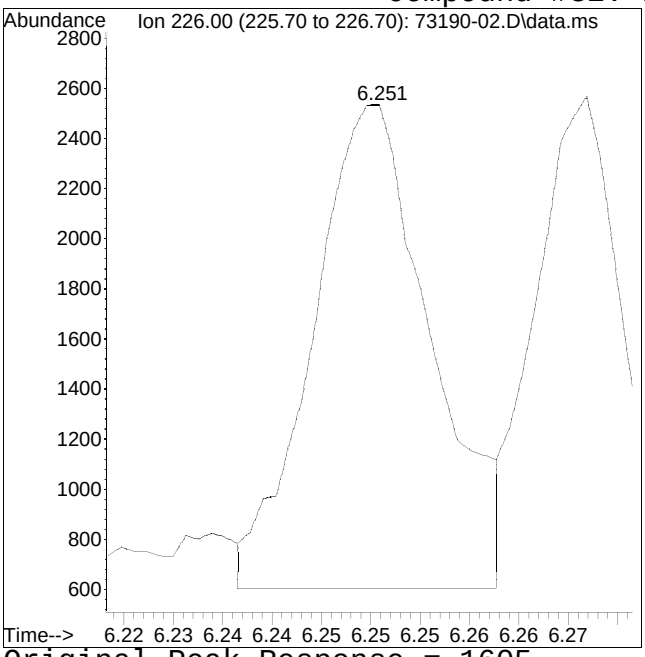
Original Peak Response = 240364 Manual Peak Response = 50161 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

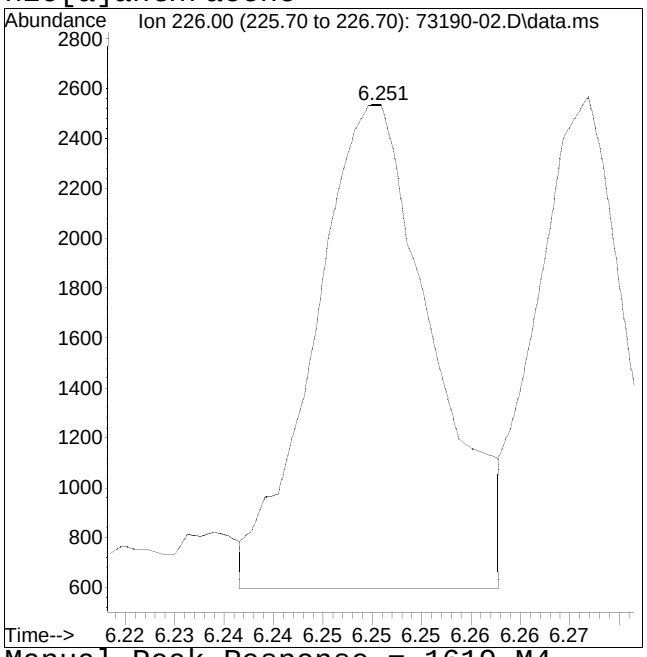
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 1605



Manual Peak Response = 1619 M4

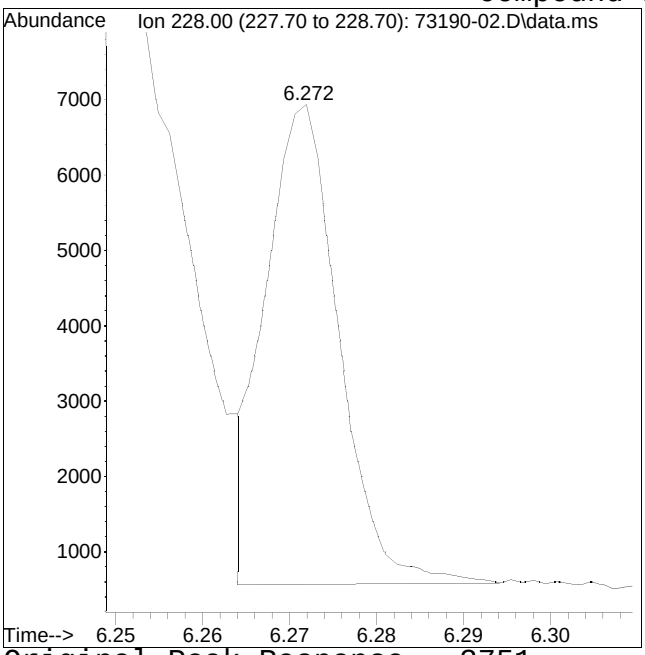
M4 = Poor automated baseline construction.

Manual Integration Report

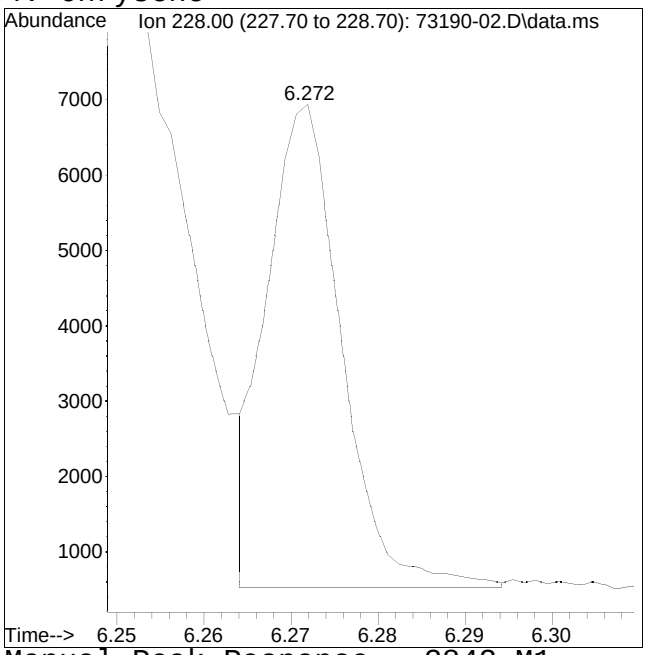
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #34: Chrysene



Original Peak Response = 3751



Manual Peak Response = 3842 M1

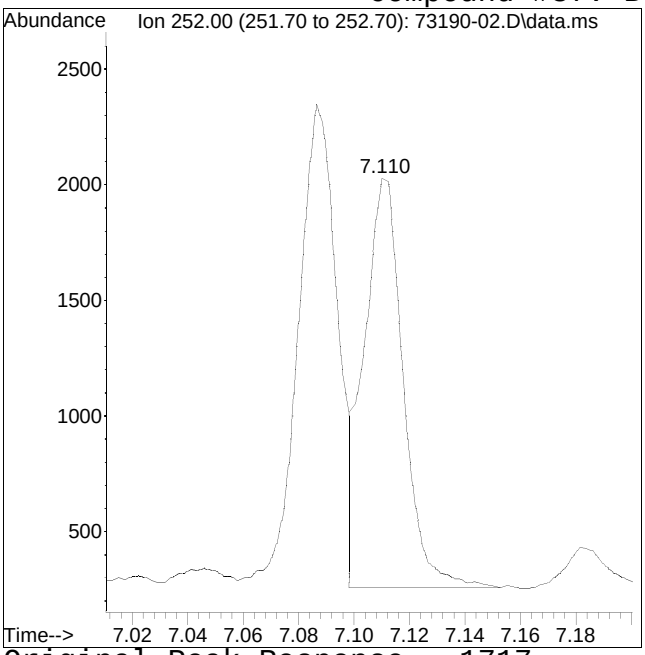
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

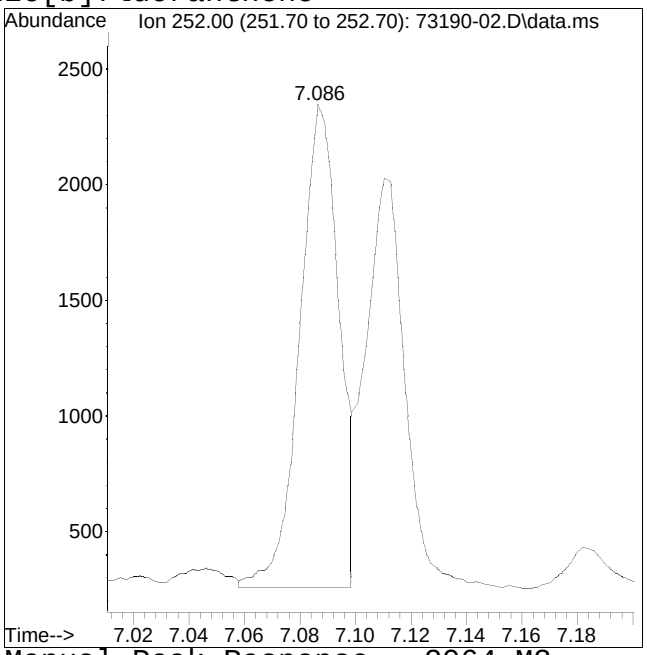
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #37: Benzo[b]fluoranthene



Original Peak Response = 1717



Manual Peak Response = 2064 M3

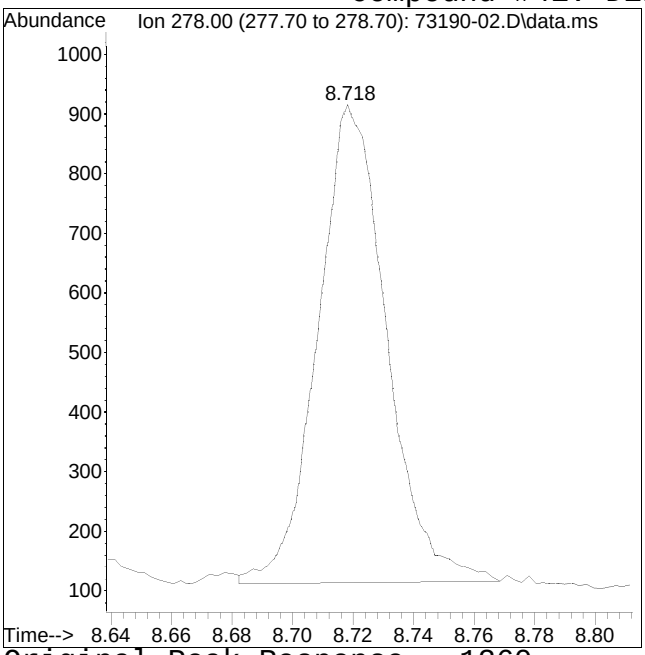
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

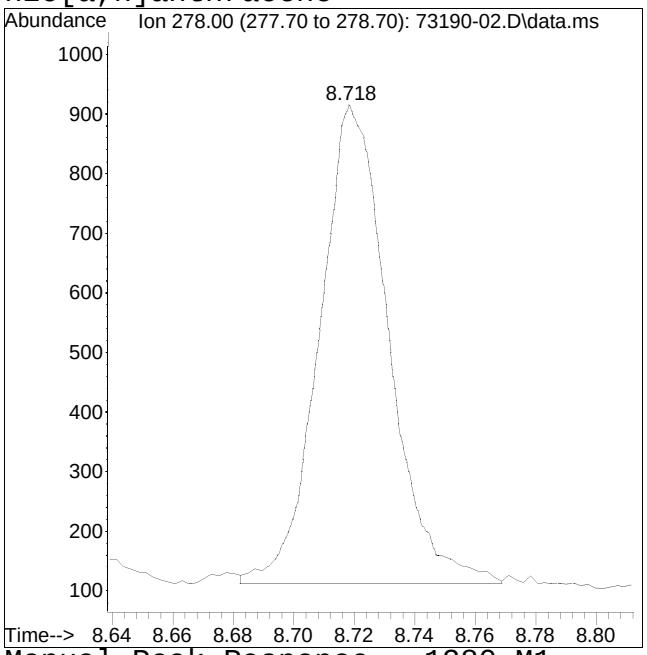
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-02.D
Date Inj'd : 12/17/2024 5:07 pm
Sample : L2473190-02,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:20 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1260



Manual Peak Response = 1280 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-03.D
Acq On : 17 Dec 2024 05:24 pm
Operator : SV118:jjw
Sample : L2473190-03,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 18 15:09:25 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	2.221	152	174925	4000.000	ng/ml		0.00
Standard Area 1 = 250918			Recovery = 69.71%				
8) Naphthalene-d8	2.893	136	680647	4000.000	ng/ml		0.00
Standard Area 1 = 972756			Recovery = 69.97%				
17) Acenaphthene-d10	3.874	164	385787	4000.000	ng/ml		0.00
Standard Area 1 = 669454			Recovery = 57.63%				
22) Phenanthrene-d10	4.715	188	779536	4000.000	ng/ml	#	0.00
Standard Area 1 = 1340658			Recovery = 58.15%				
31) Chrysene-d12	6.258	240	685186	4000.000	ng/ml		-0.02
Standard Area 1 = 1212919			Recovery = 56.49%				
36) Perylene-d12	7.465	264	643555	4000.000	ng/ml		-0.02
Standard Area 1 = 1219101			Recovery = 52.79%				
System Monitoring Compounds							
2) 2-Fluorophenol	1.637	112	45311	916.176	ng/ml		0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.81%				
3) Phenol-d6	2.040	99	39367	647.779	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 32.39%				
7) Nitrobenzene-d5	2.506	82	40346	1028.304	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.83%				
13) 2-Fluorobiphenyl	3.494	172	87652	669.747	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.97%				
21) 2,4,6-Tribromophenol	4.320	330	30274	1703.014	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 85.15%				
30) 4-Terphenyl-d14	5.628	244	122603	768.678	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.87%				
Target Compounds							Qvalue
6) Hexachloroethane	0.000		0	N.D.	d		
9) Naphthalene	0.000		0	N.D.	d		
10) Hexachlorobutadiene	0.000		0	N.D.	d		
11) 2-Methylnaphthalene	0.000		0	N.D.	d		
14) 2-Chloronaphthalene	0.000		0	N.D.	d		
16) Acenaphthylene	0.000		0	N.D.	d		
18) Acenaphthene	3.892	153	4019M6	31.867	ng/ml		
20) Fluorene	0.000		0	N.D.	d		
24) Hexachlorobenzene	0.000		0	N.D.	d		
25) Pentachlorophenol	0.000		0	N.D.	d		

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-03.D
Acq On : 17 Dec 2024 05:24 pm
Operator : SV118:jjw
Sample : L2473190-03,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 18 15:09:25 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	5.407	202	2256M6	9.524	ng/ml	
29) Pyrene	5.535	202	2071	8.230	ng/ml	97
32) Benzo[a]anthracene	6.250	226	502M4	7.481	ng/ml	
34) Chrysene	6.272	228	1074M6	5.196	ng/ml	
37) Benzo[b]fluoranthene	7.087	252	1210	7.293	ng/ml	93
38) Benzo[k]fluoranthene	7.111	252	794M4	4.513	ng/ml	
39) Benzo[a]pyrene	7.396	252	635	4.332	ng/ml	94
40) Indeno[1,2,3-cd]pyrene	8.685	276	767	5.613	ng/ml#	73
41) Dibenzo[a,h]anthracene	8.719	278	580M6	4.169	ng/ml	
42) Benzo[g,h,i]perylene	9.025	276	803	5.605	ng/ml#	43

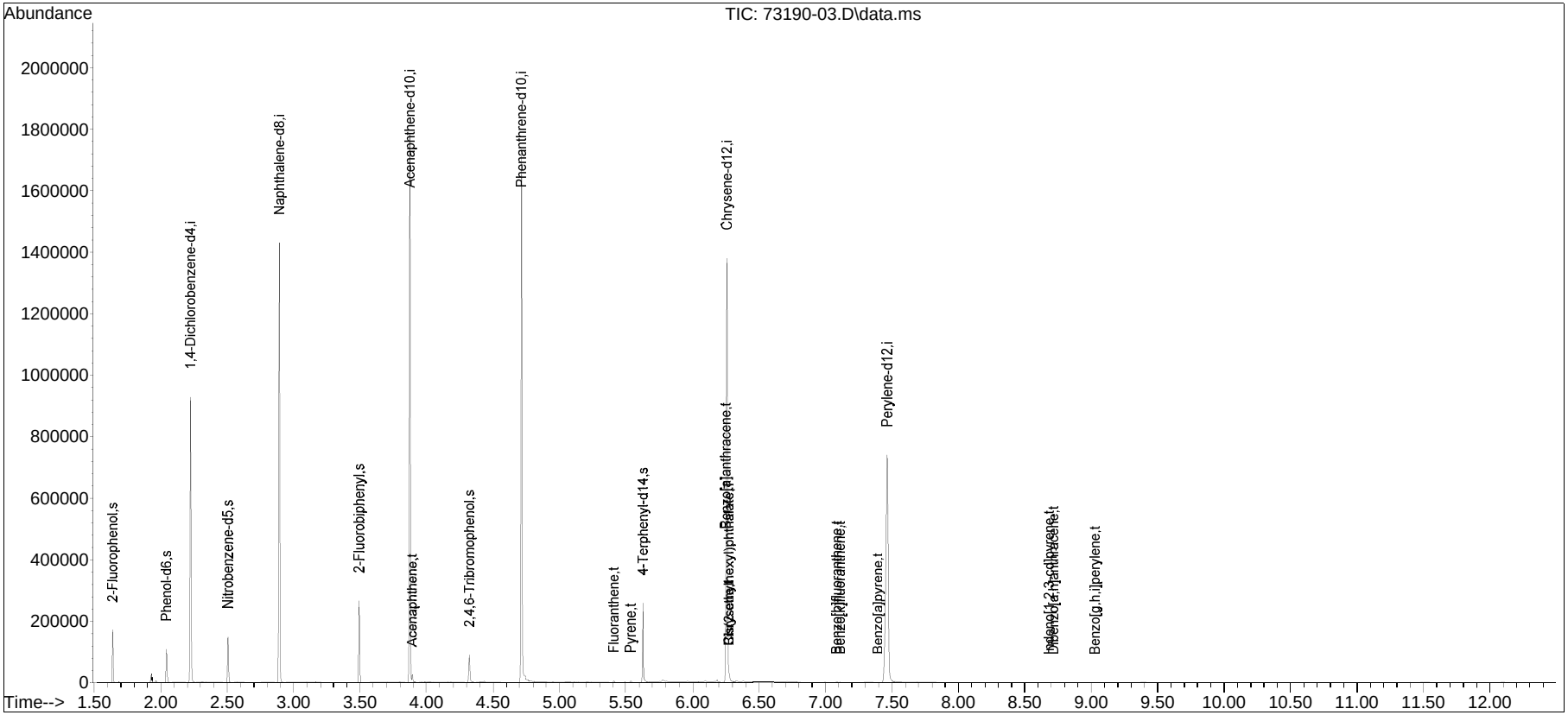
(#) = qualifier out of range (m) = manual integration (+) = signals summed

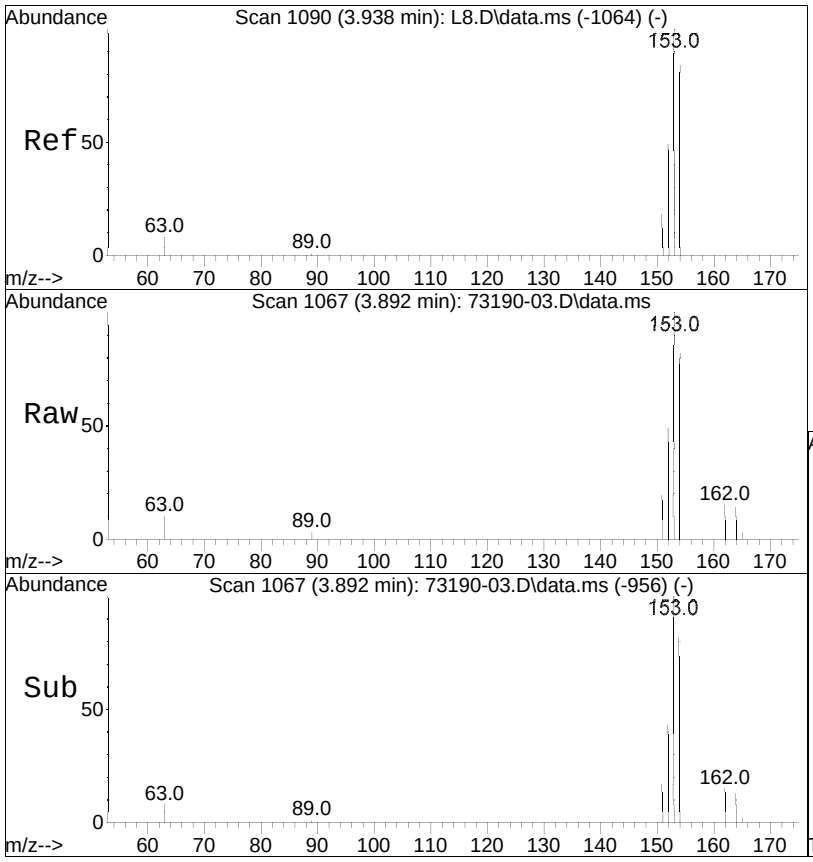
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 73190-03.D
Acq On : 17 Dec 2024 05:24 pm
Operator : SV118:jjw
Sample : L2473190-03,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Dec 18 15:09:25 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1217a.D•

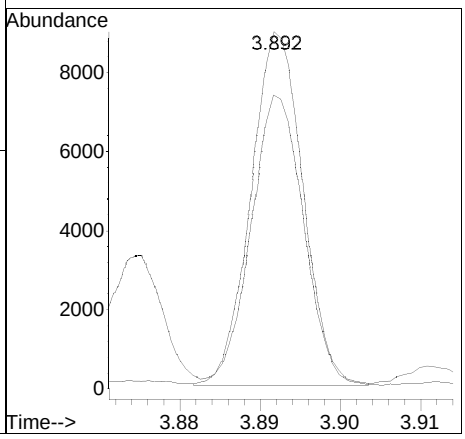


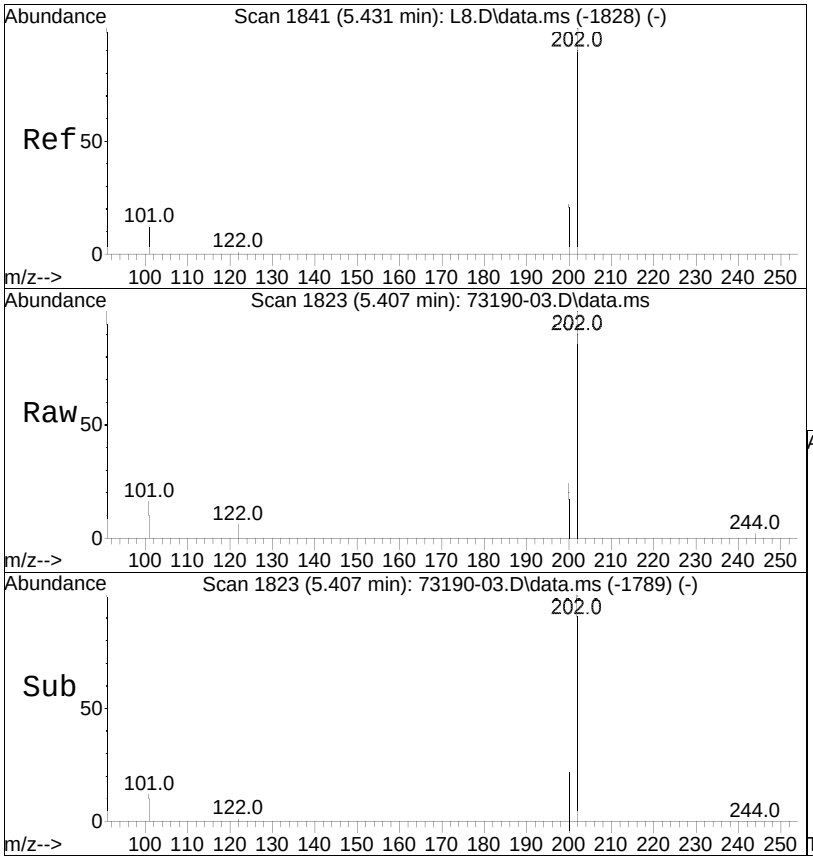


#18
Acenaphthene
Concen: 31.87 ng/ml M6
RT: 3.892 min Scan# 1067
Delta R.T. 0.001 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:153 Resp: 4019

Ion	Ratio	Lower	Upper
153	100		
154	83.4	68.2	102.4

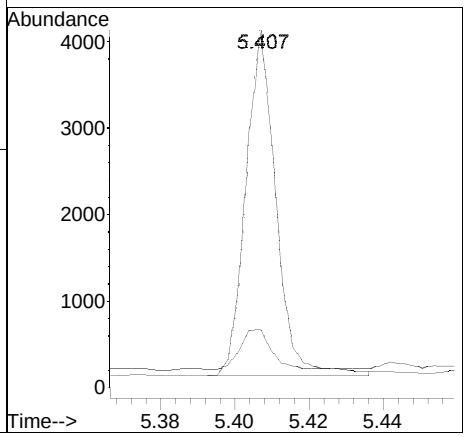


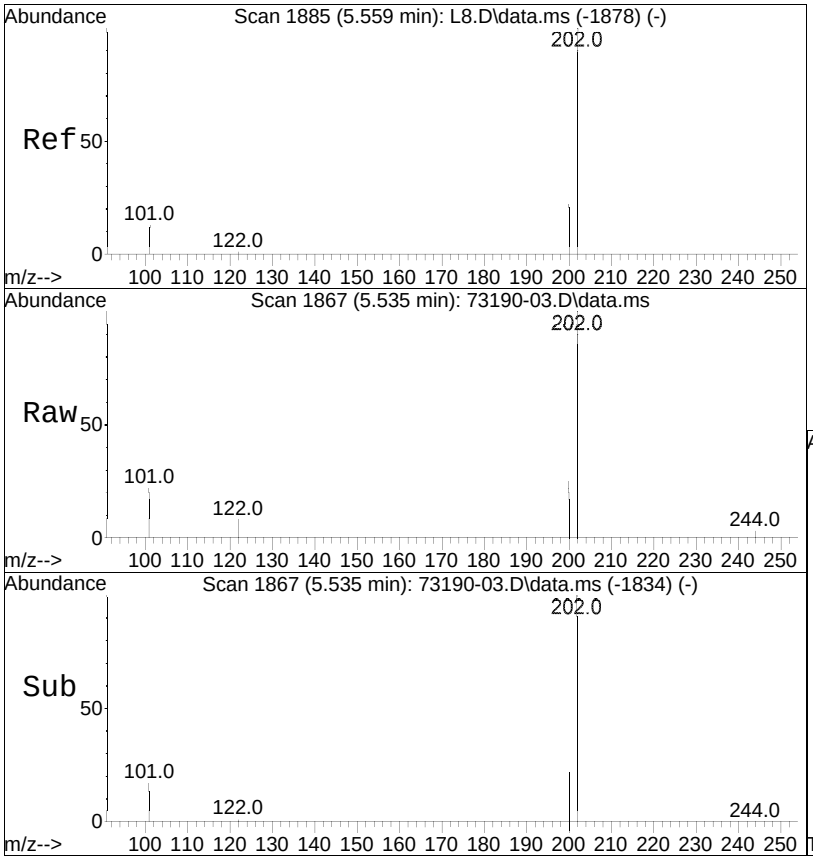


#28
Fluoranthene
Concen: 9.52 ng/ml M6
RT: 5.407 min Scan# 1823
Delta R.T. -0.003 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:202 Resp: 2256

Ion	Ratio	Lower	Upper
202	100		
101	12.0	6.9	10.3#

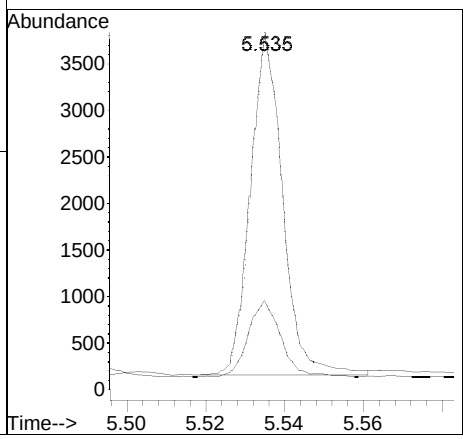


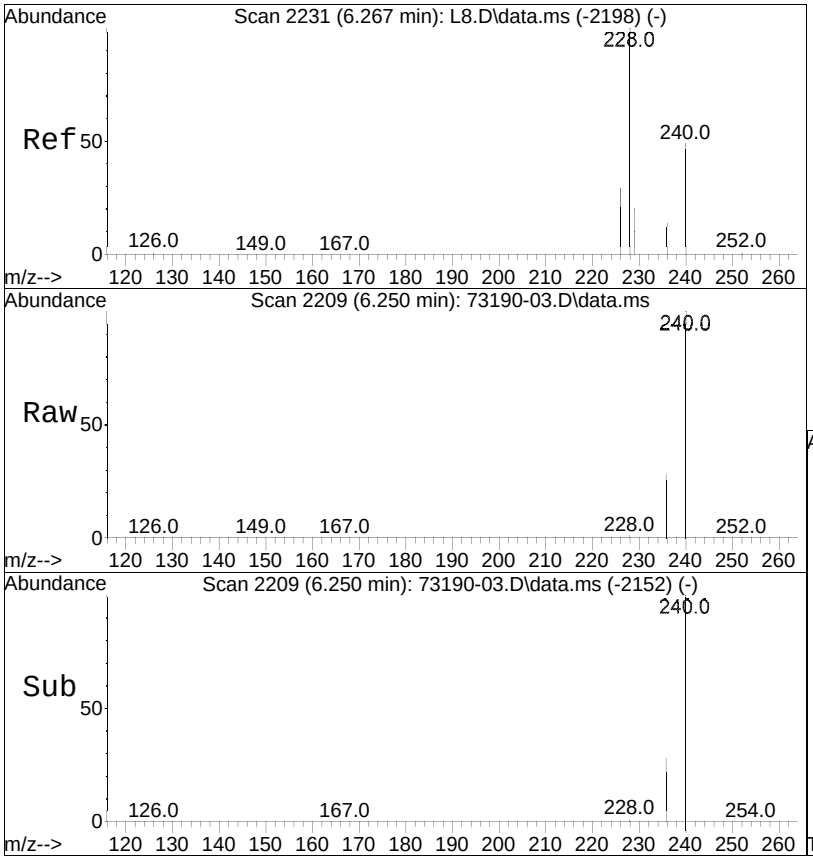


#29
Pyrene
Concen: 8.23 ng/ml
RT: 5.535 min Scan# 1867
Delta R.T. -0.005 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:202 Resp: 2071

Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.4	26.0

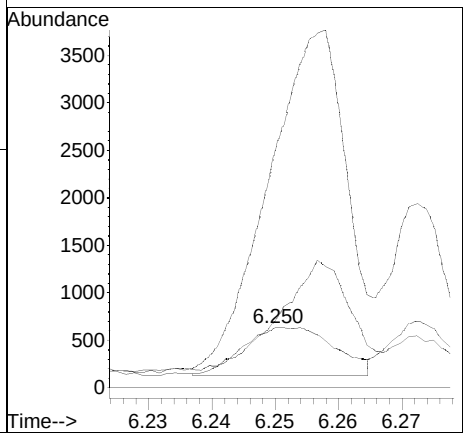


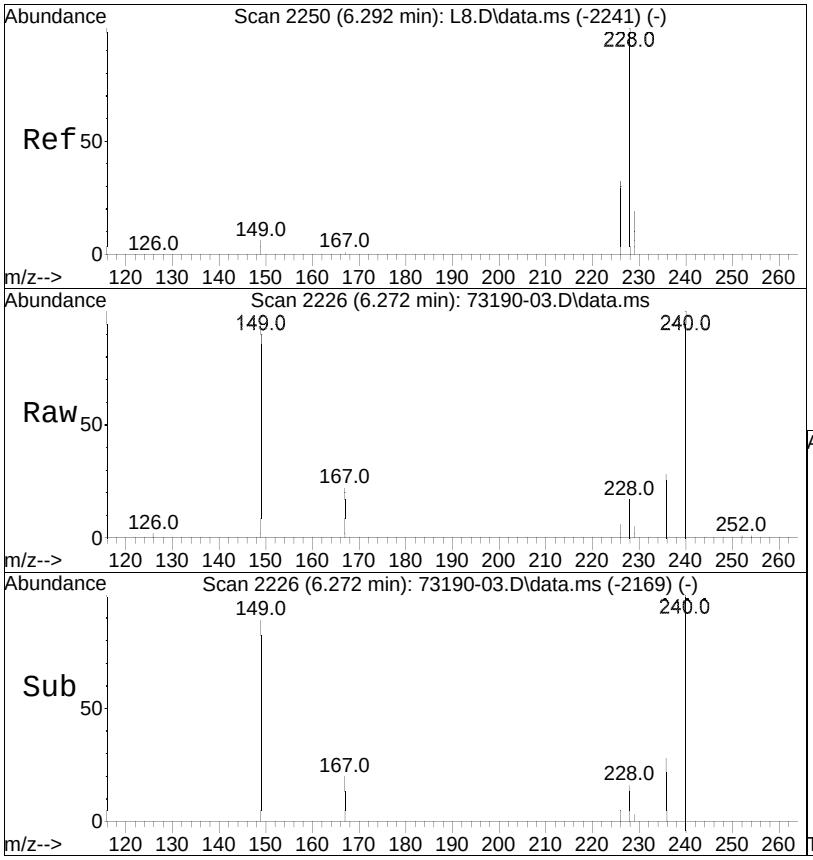


#32
Benzo[a]anthracene
Concen: 7.48 ng/ml M4
RT: 6.250 min Scan# 2209
Delta R.T. -0.023 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:226 Resp: 502

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	628.9	284.1	426.1#
229	177.9	56.6	85.0#

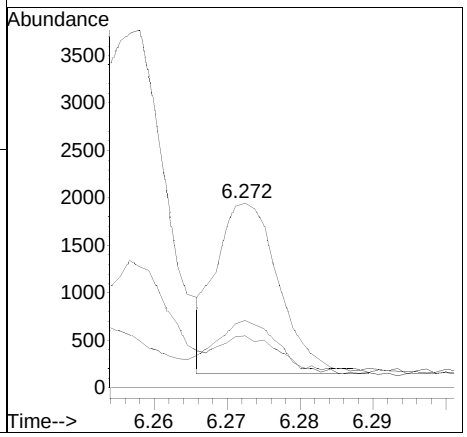


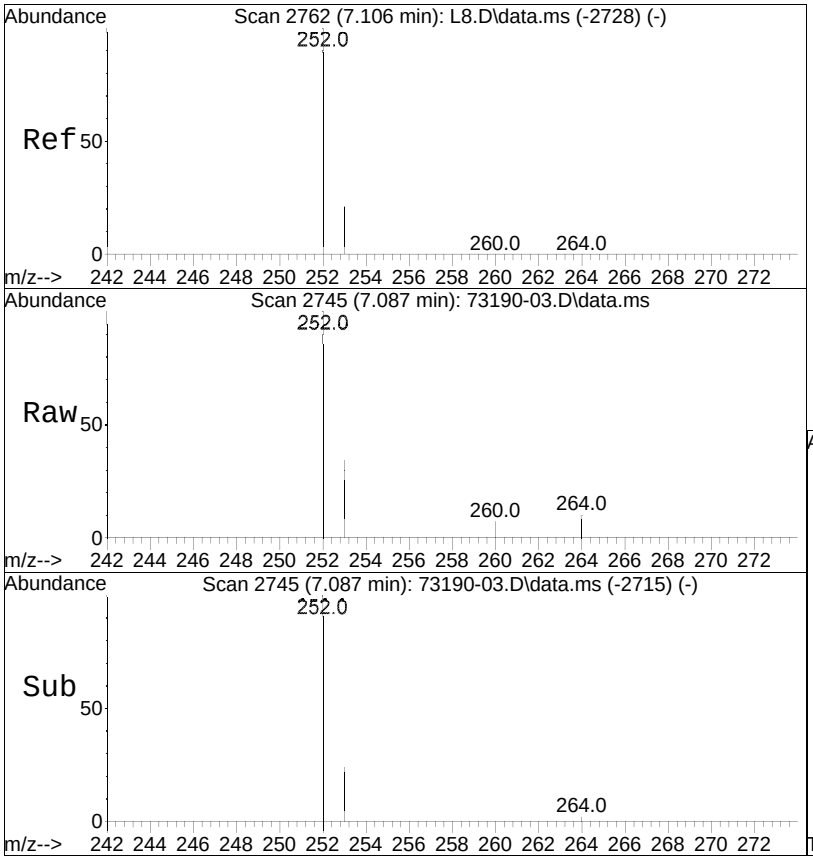


#34
Chrysene
Concen: 5.20 ng/ml M6
RT: 6.272 min Scan# 2226
Delta R.T. -0.026 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:228 Resp: 1074

Ion	Ratio	Lower	Upper
228	100		
226	34.2	24.6	36.8
227	0.0	0.0	0.0
229	19.3	15.4	23.2

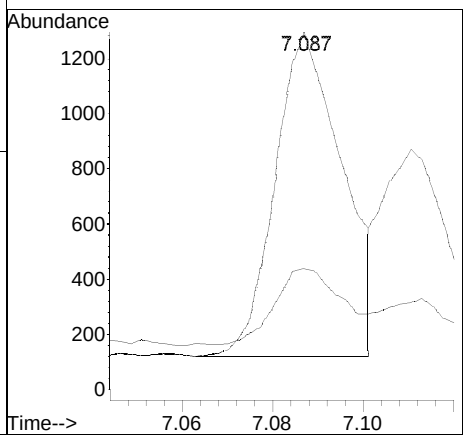


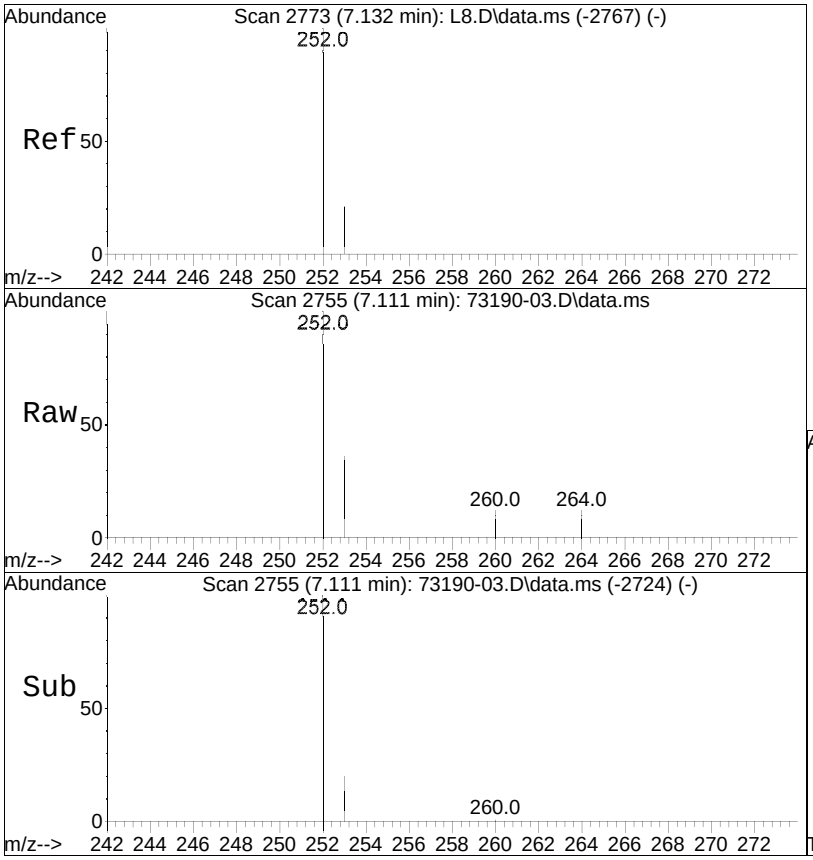


#37
Benzo[b]fluoranthene
Concen: 7.29 ng/ml
RT: 7.087 min Scan# 2745
Delta R.T. -0.028 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:252 Resp: 1210

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4

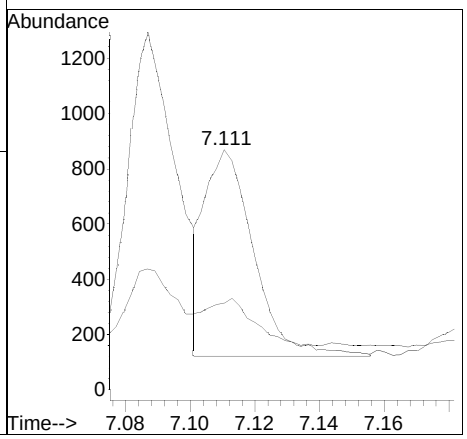


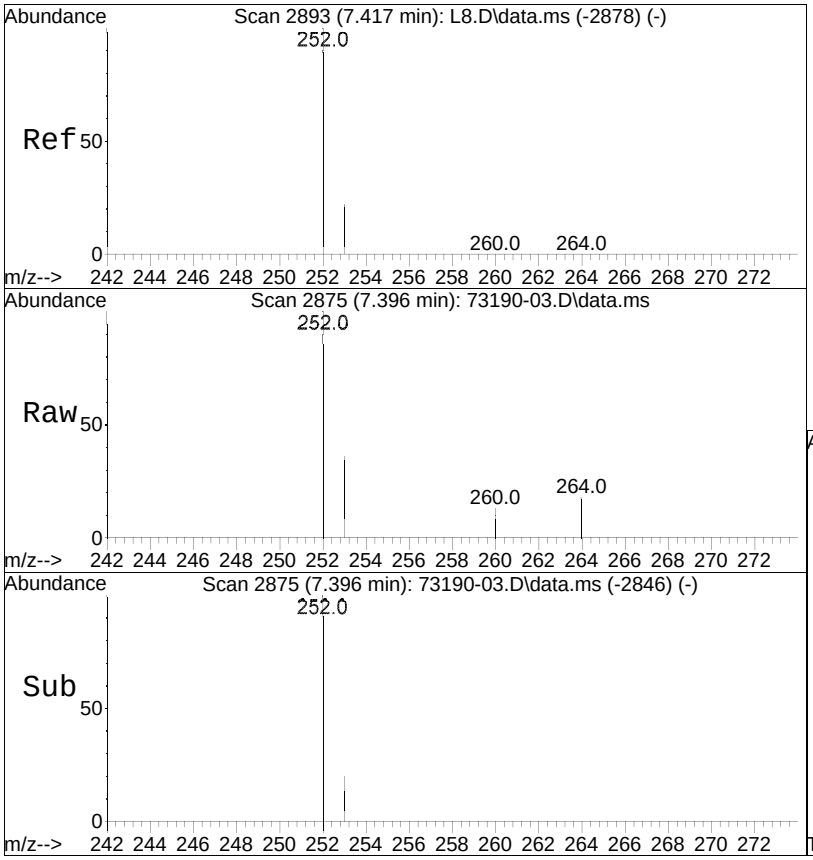


#38
Benzo[k]fluoranthene
Concen: 4.51 ng/ml M4
RT: 7.111 min Scan# 2755
Delta R.T. -0.026 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:252 Resp: 794

Ion	Ratio	Lower	Upper
252	100		
253	19.9	17.6	26.4

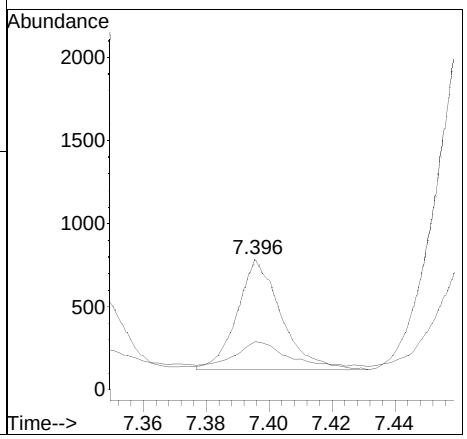


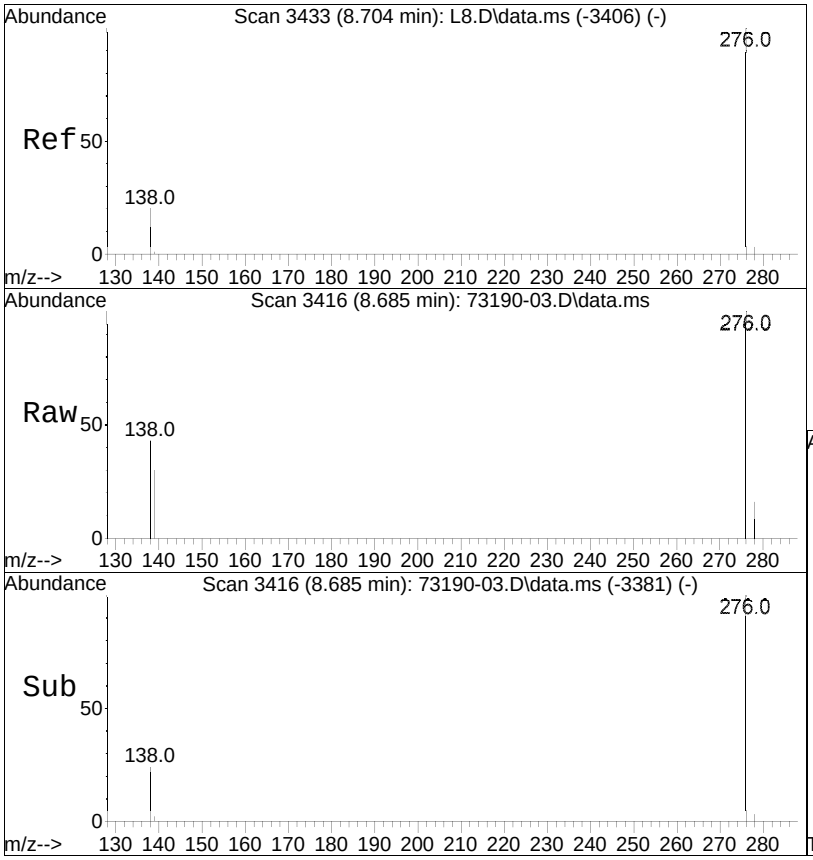


#39
Benzo[a]pyrene
Concen: 4.33 ng/ml
RT: 7.396 min Scan# 2875
Delta R.T. -0.031 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:252 Resp: 635

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3

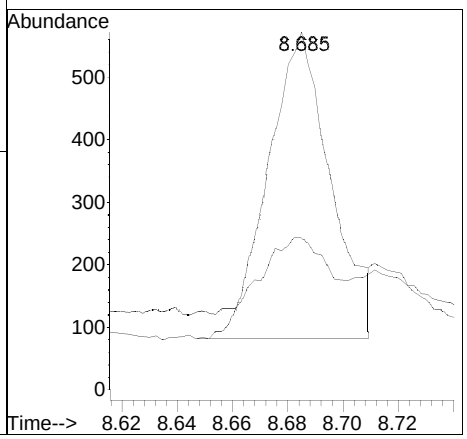


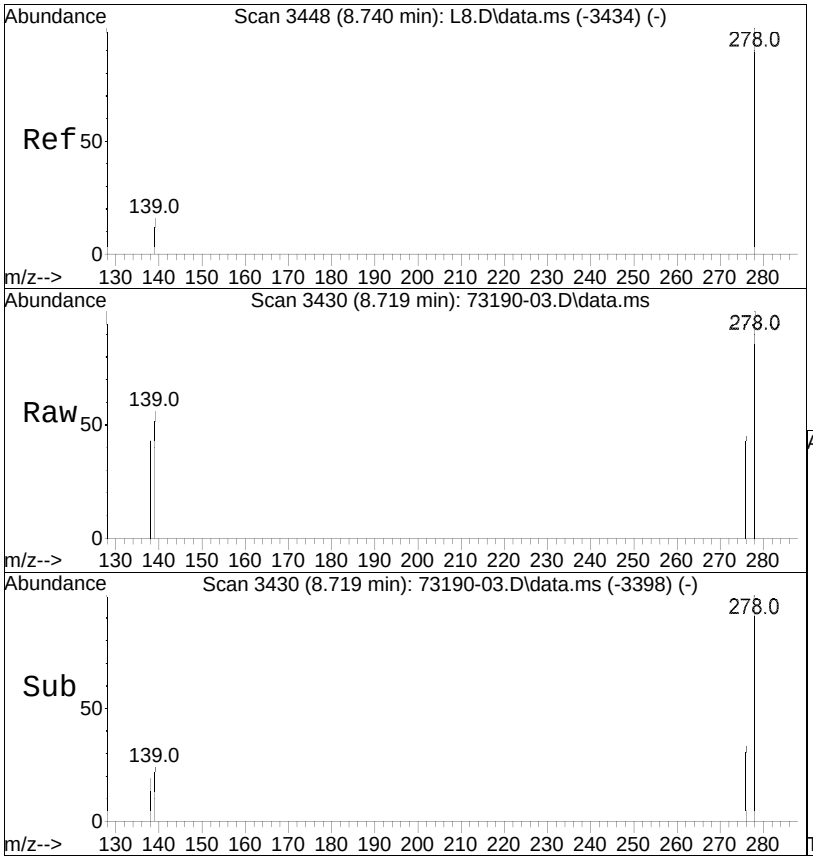


#40
Indeno[1,2,3-cd]pyrene
Concen: 5.61 ng/ml
RT: 8.685 min Scan# 3416
Delta R.T. -0.016 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:276 Resp: 767

Ion	Ratio	Lower	Upper
276	100		
138	25.9	11.8	17.6#

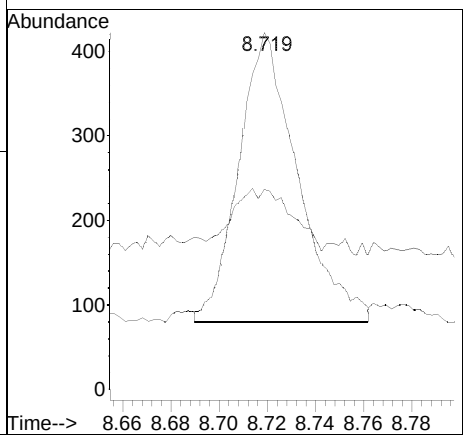


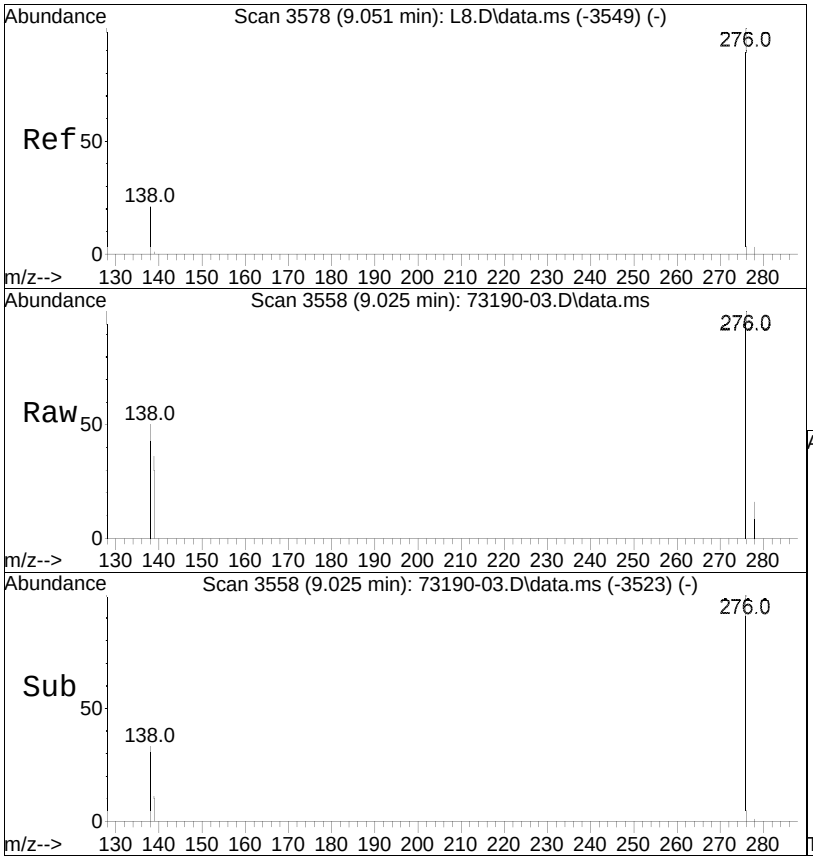


#41
Dibenzo[a,h]anthracene
Concen: 4.17 ng/ml M6
RT: 8.719 min Scan# 3430
Delta R.T. -0.024 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:278 Resp: 580

Ion	Ratio	Lower	Upper
278	100		
139	22.8	9.8	14.8#

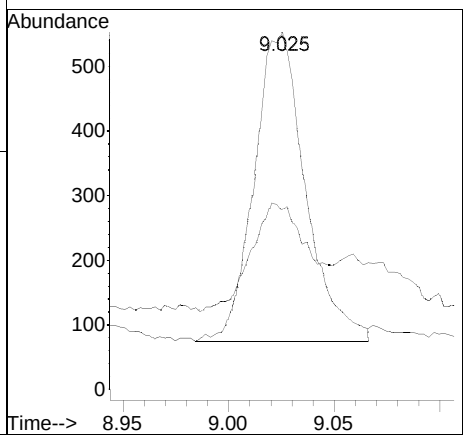




#42
Benzo[g,h,i]perylene
Concen: 5.61 ng/ml
RT: 9.025 min Scan# 3558
Delta R.T. -0.016 min
Lab File: 73190-03.D
Acq: 17 Dec 2024 05:24 pm

Tgt Ion:276 Resp: 803

Ion	Ratio	Lower	Upper
276	100		
138	40.1	12.8	19.2#

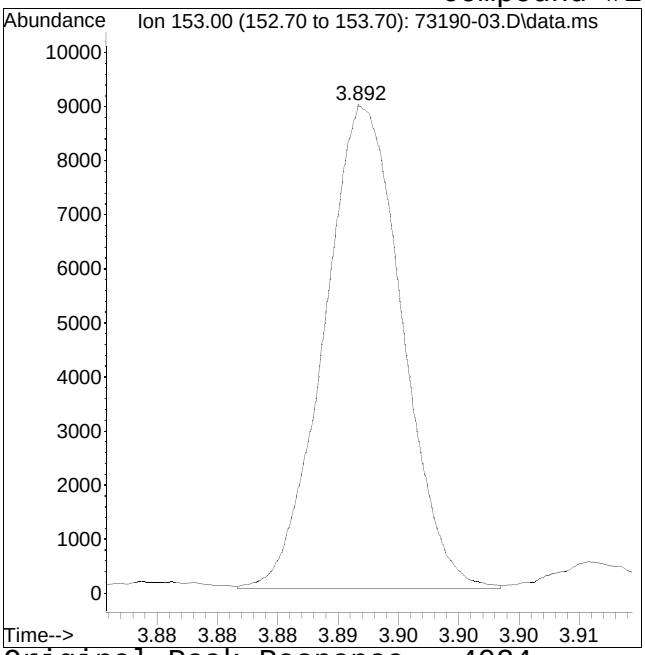


Manual Integration Report

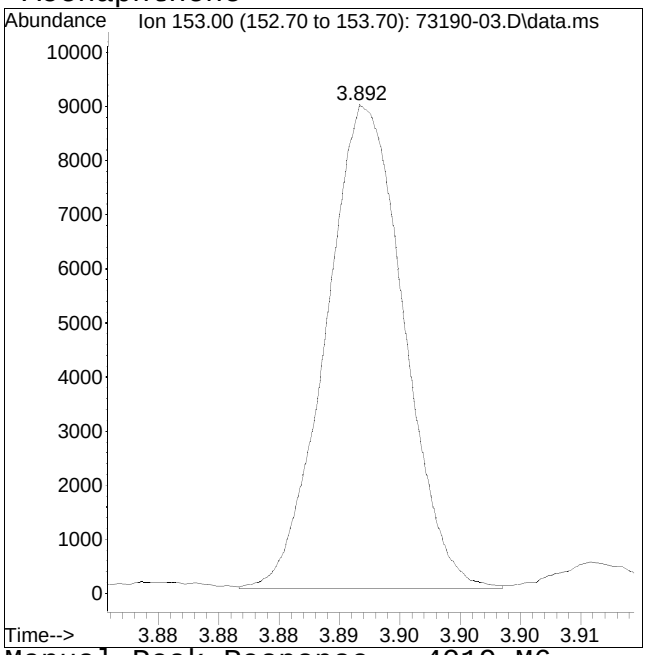
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-03.D
Date Inj'd : 12/17/2024 5:24 pm
Sample : L2473190-03,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:37 pm

Compound #18: Acenaphthene



Original Peak Response = 4024



Manual Peak Response = 4019 M6

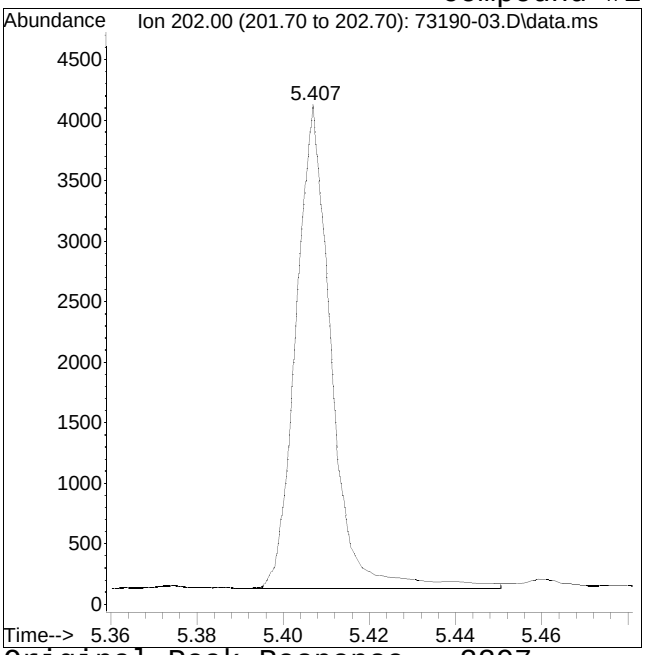
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

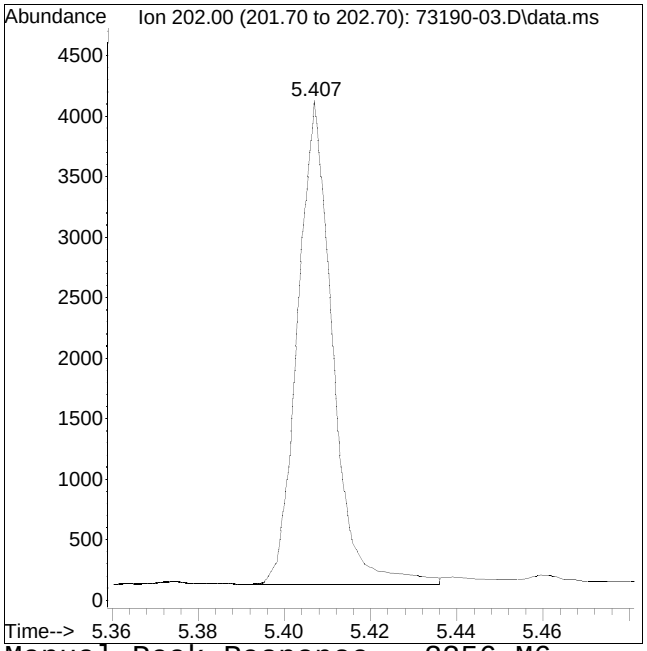
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-03.D
Date Inj'd : 12/17/2024 5:24 pm
Sample : L2473190-03,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:37 pm

Compound #28: Fluoranthene



Original Peak Response = 2297



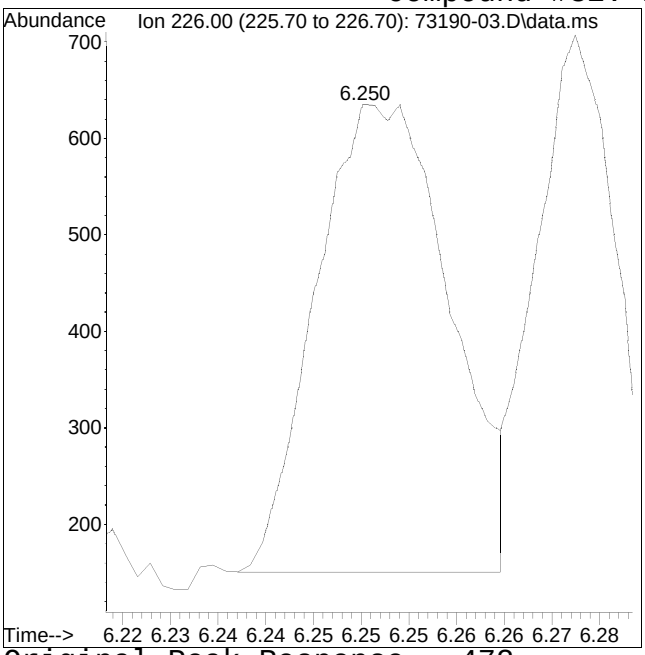
Manual Peak Response = 2256 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

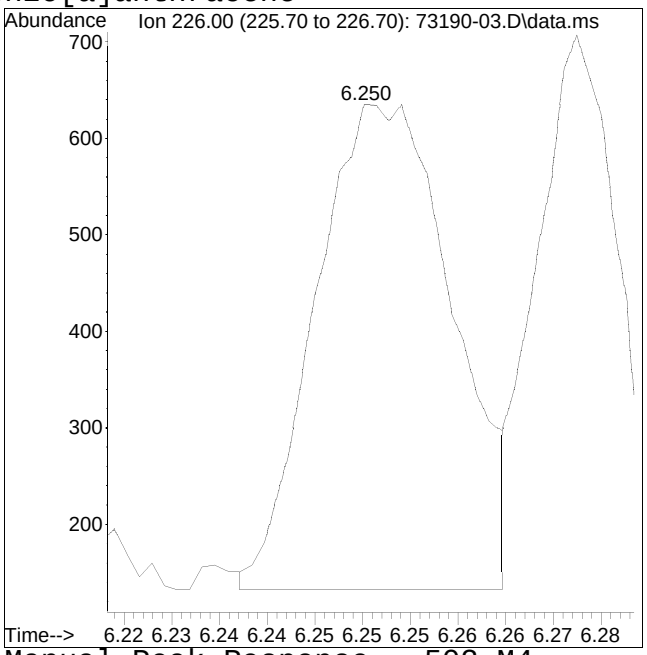
Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 73190-03.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 5:24 pm Instrument : SV118
Sample : L2473190-03,32,,kmh Quant Date : 12/17/2024 5:37 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 472



Manual Peak Response = 502 M4

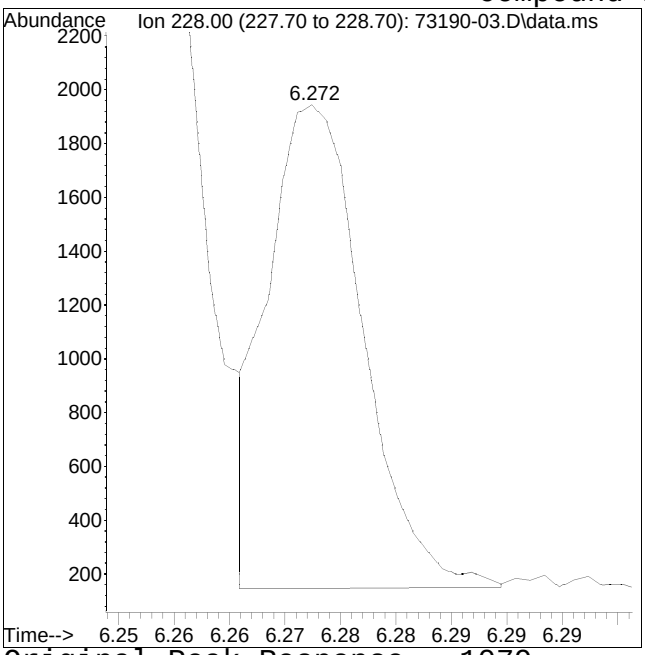
M4 = Poor automated baseline construction.

Manual Integration Report

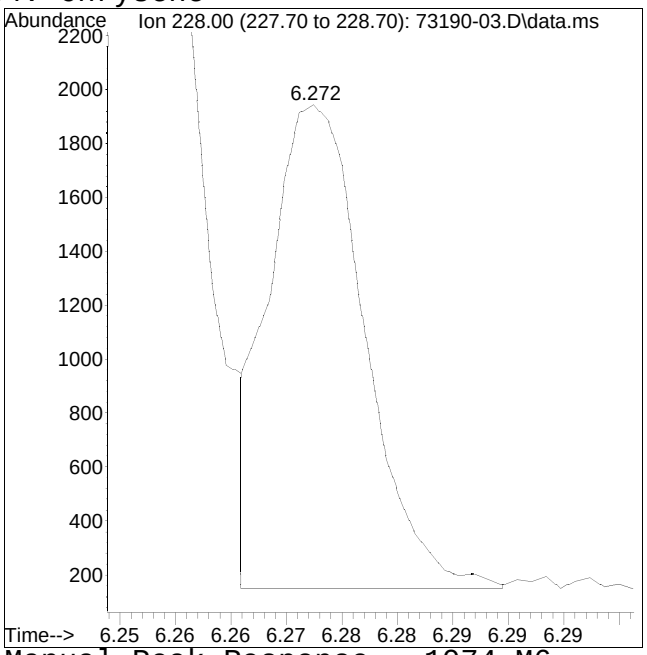
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-03.D
Date Inj'd : 12/17/2024 5:24 pm
Sample : L2473190-03,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:37 pm

Compound #34: Chrysene



Original Peak Response = 1079



Manual Peak Response = 1074 M6

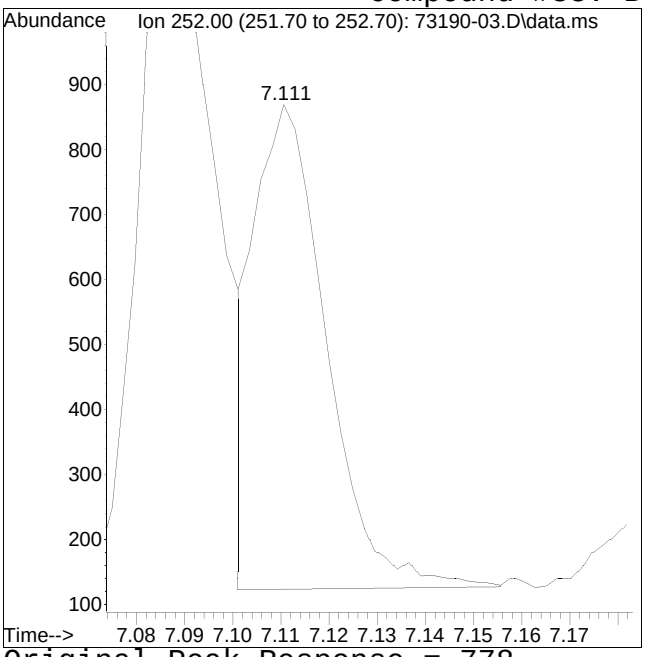
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

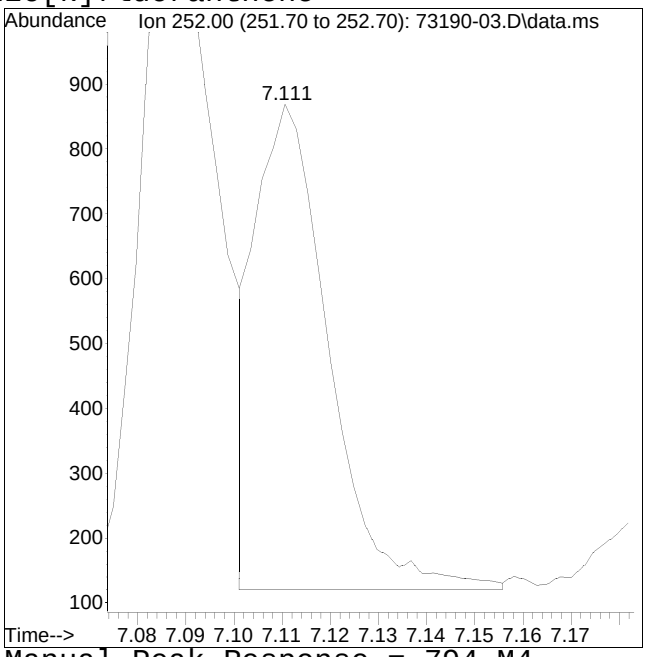
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-03.D
Date Inj'd : 12/17/2024 5:24 pm
Sample : L2473190-03,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:37 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 778



Manual Peak Response = 794 M4

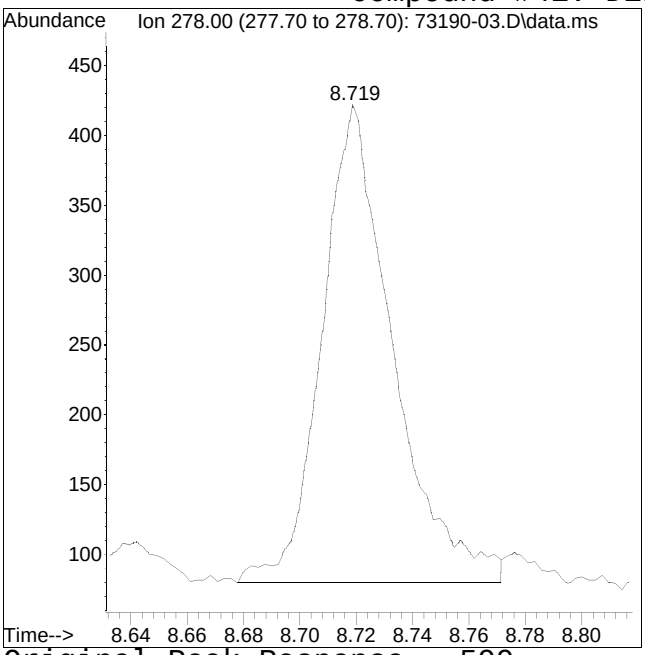
M4 = Poor automated baseline construction.

Manual Integration Report

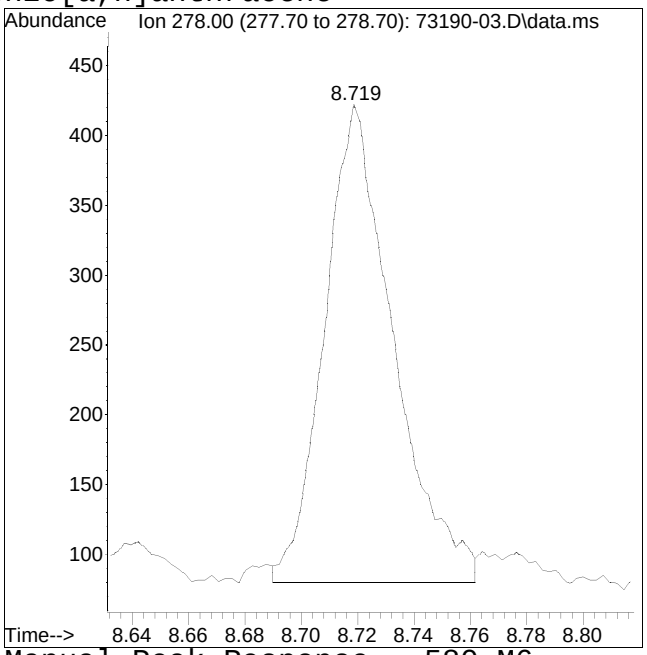
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 73190-03.D
Date Inj'd : 12/17/2024 5:24 pm
Sample : L2473190-03,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:37 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 599



Manual Peak Response = 580 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 09:06 am
Operator : SV125:kmh
Sample : L2473190-05,32,,RR(ott),kmh
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 11:32:56 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.217	152	776414	4000.000	ng/ml	0.00
Standard Area 1 = 935616			Recovery = 82.98%			
8) Naphthalene-d8	2.886	136	3055968	4000.000	ng/ml	0.00
Standard Area 1 = 3556436			Recovery = 85.93%			
17) Acenaphthene-d10	3.873	164	1761231	4000.000	ng/ml	0.00
Standard Area 1 = 2260492			Recovery = 77.91%			
22) Phenanthrene-d10	4.719	188	3348970	4000.000	ng/ml	0.00
Standard Area 1 = 4537937			Recovery = 73.80%			
31) Chrysene-d12	6.274	240	3284539	4000.000	ng/ml	-0.01
Standard Area 1 = 4704311			Recovery = 69.82%			
36) Perylene-d12	7.474	264	3677258	4000.000	ng/ml	-0.01
Standard Area 1 = 5636689			Recovery = 65.24%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.633	112	237092	1136.478	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.82%			
3) Phenol-d6	2.040	99	213126	807.163	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.36%			
7) Nitrobenzene-d5	2.503	82	214707	955.098	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.51%			
13) 2-Fluorobiphenyl	3.490	172	504780	742.523	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.25%			
21) 2,4,6-Tribromophenol	4.321	330	187832	1966.326	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 98.32%			
30) 4-Terphenyl-d14	5.640	244	675218	874.447	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.44%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.899	128	338956	413.045	ng/ml#	93
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.283	142	187664	339.182	ng/ml	100
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	3.790	152	48188	58.593	ng/ml#	87
18) Acenaphthene	3.888	153	882061	1553.741	ng/ml	92
20) Fluorene	4.184	166	348891	556.659	ng/ml	99
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.621	266	1596	28.480	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 09:06 am
Operator : SV125:kmh
Sample : L2473190-05,32,,RR(ott),kmh
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 11:32:56 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.731	178	855029	923.809	ng/ml	98
27) Anthracene	4.761	178	250482	281.058	ng/ml#	1
28) Fluoranthene	5.416	202	371073	349.076	ng/ml	97
29) Pyrene	5.547	202	258726	230.312	ng/ml	100
32) Benzo[a]anthracene	6.271	228	32093	22.028	ng/ml#	3
34) Chrysene	6.291	228	10585M3	11.385	ng/ml	
37) Benzo[b]fluoranthene	7.104	252	4682M1	4.576	ng/ml	
38) Benzo[k]fluoranthene	7.124	252	1473M3	1.575	ng/ml	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

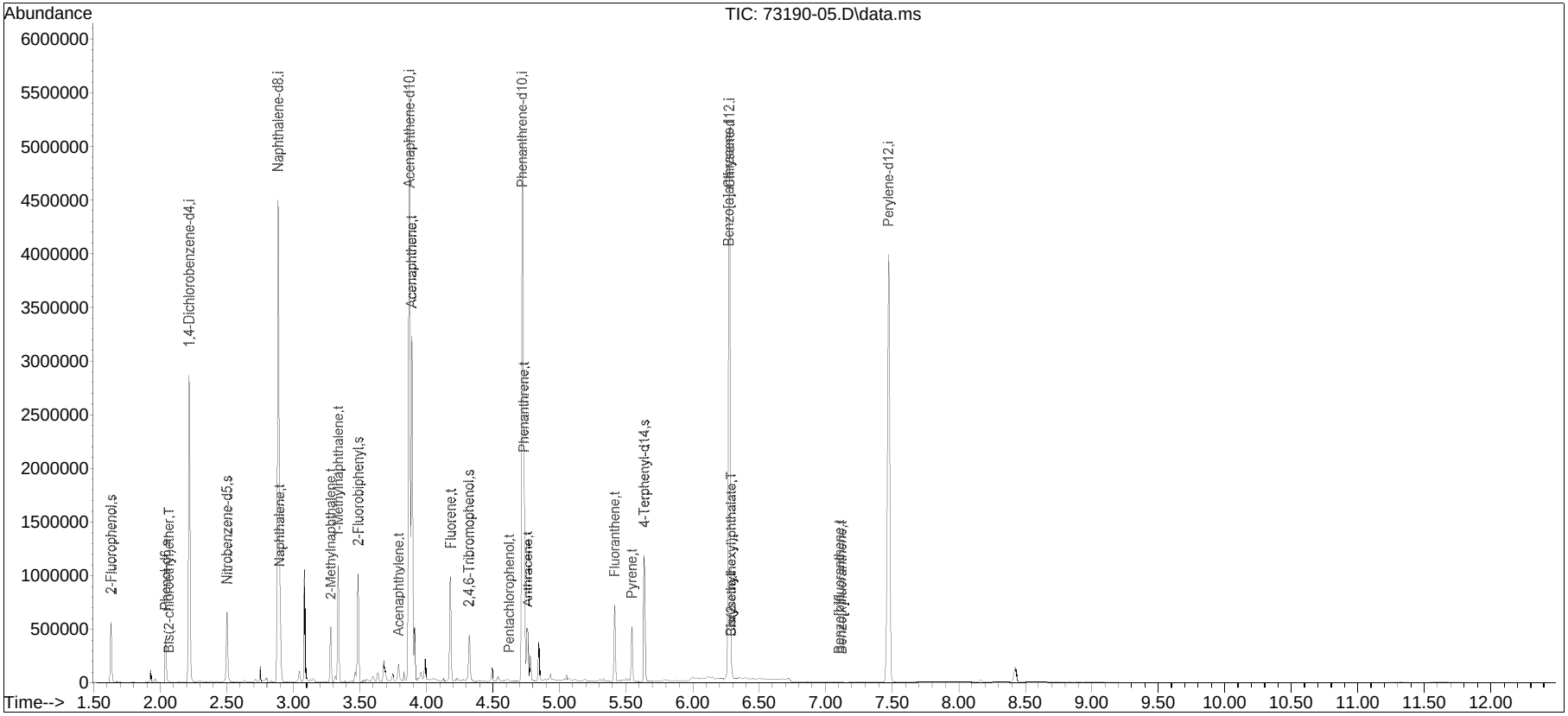
(#) = qualifier out of range (m) = manual integration (+) = signals summed

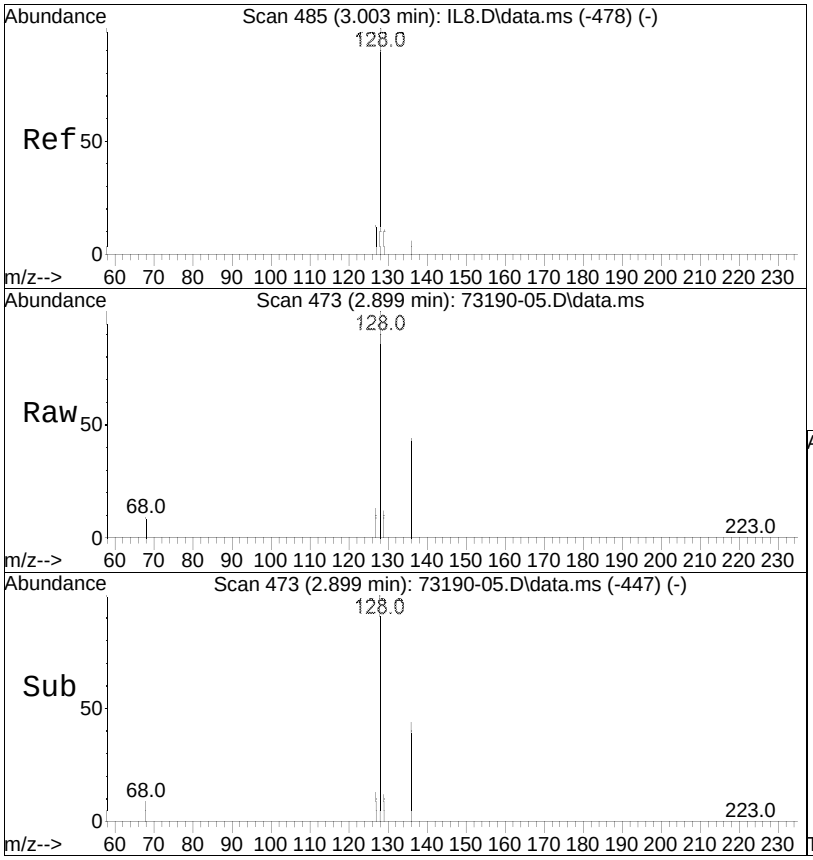
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 73190-05.D
Acq On : 18 Dec 2024 09:06 am
Operator : SV125:kmh
Sample : L2473190-05,32,,RR(ott),kmh
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 11:32:56 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1218.D•

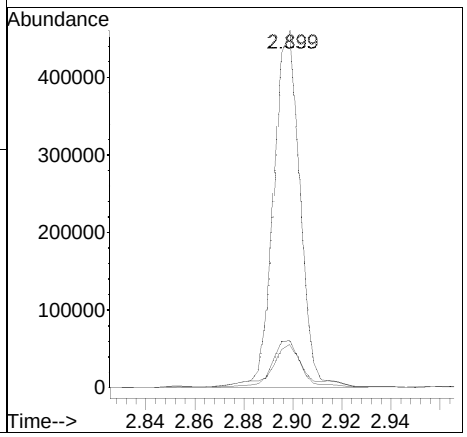


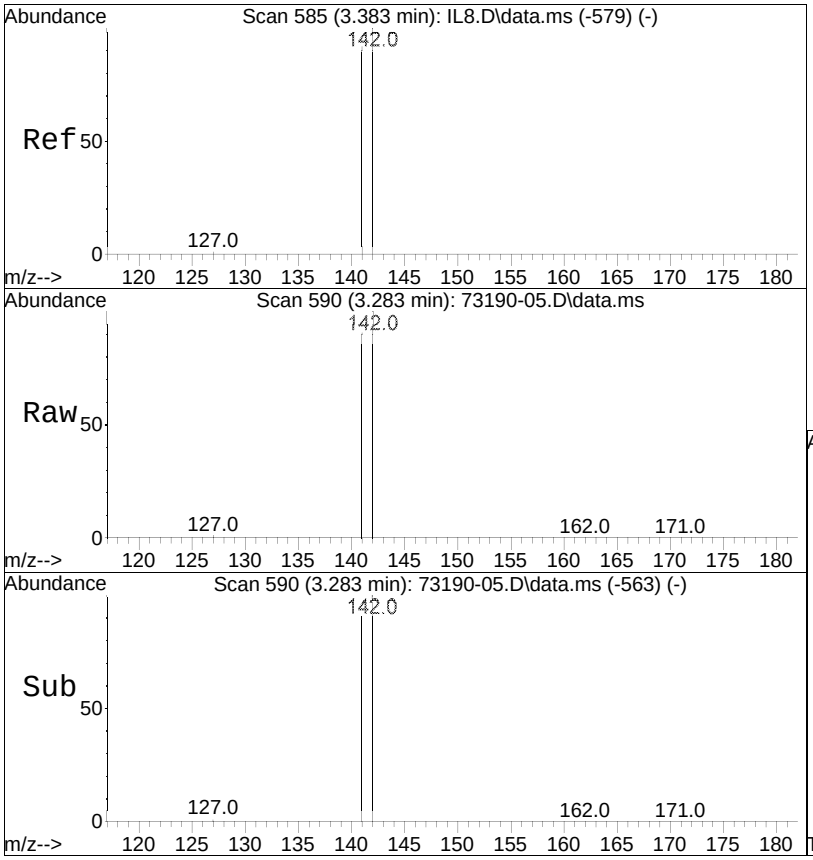


#9
Naphthalene
Concen: 413.04 ng/ml
RT: 2.899 min Scan# 473
Delta R.T. 0.002 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:128 Resp: 338956

Ion	Ratio	Lower	Upper
128	100		
129	15.9	8.9	13.3#
127	14.5	10.9	16.3

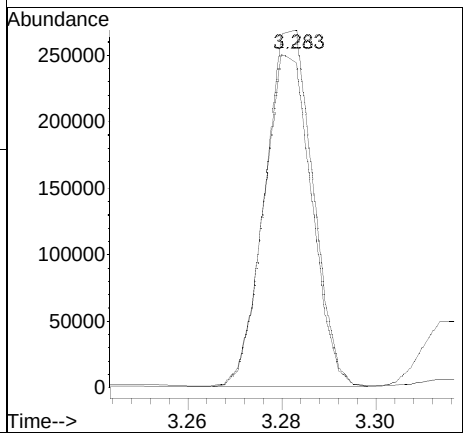


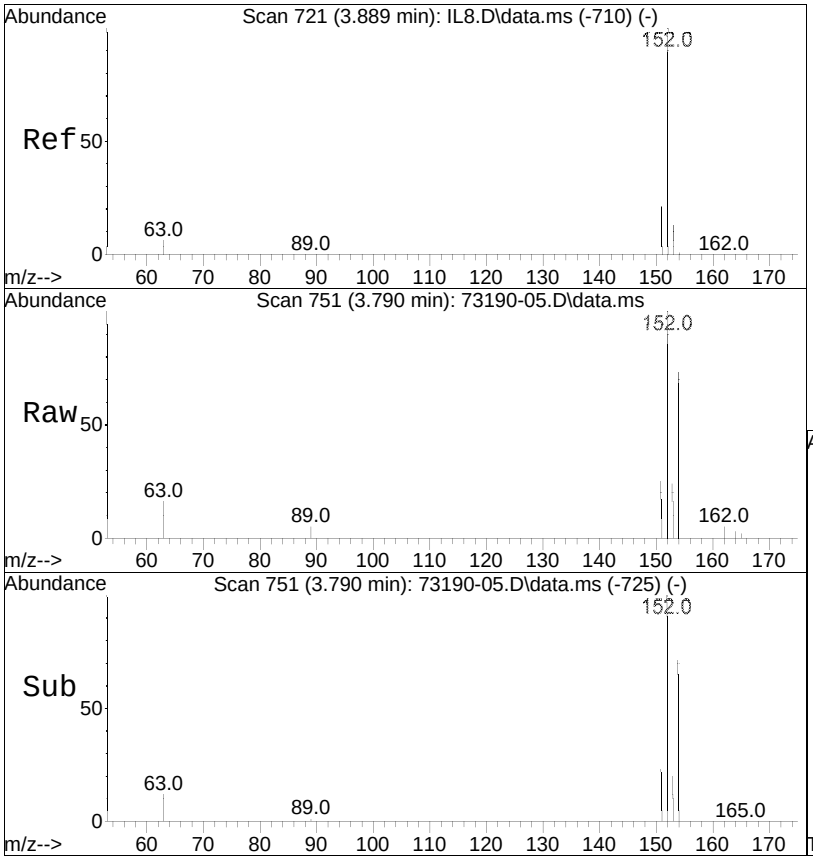


#11
2-Methylnaphthalene
Concen: 339.18 ng/ml
RT: 3.283 min Scan# 590
Delta R.T. 0.002 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:142 Resp: 187664

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.0	111.0

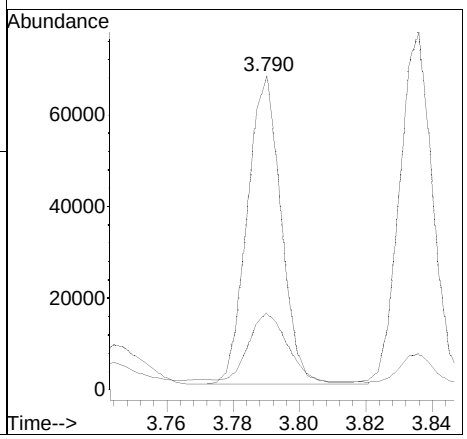


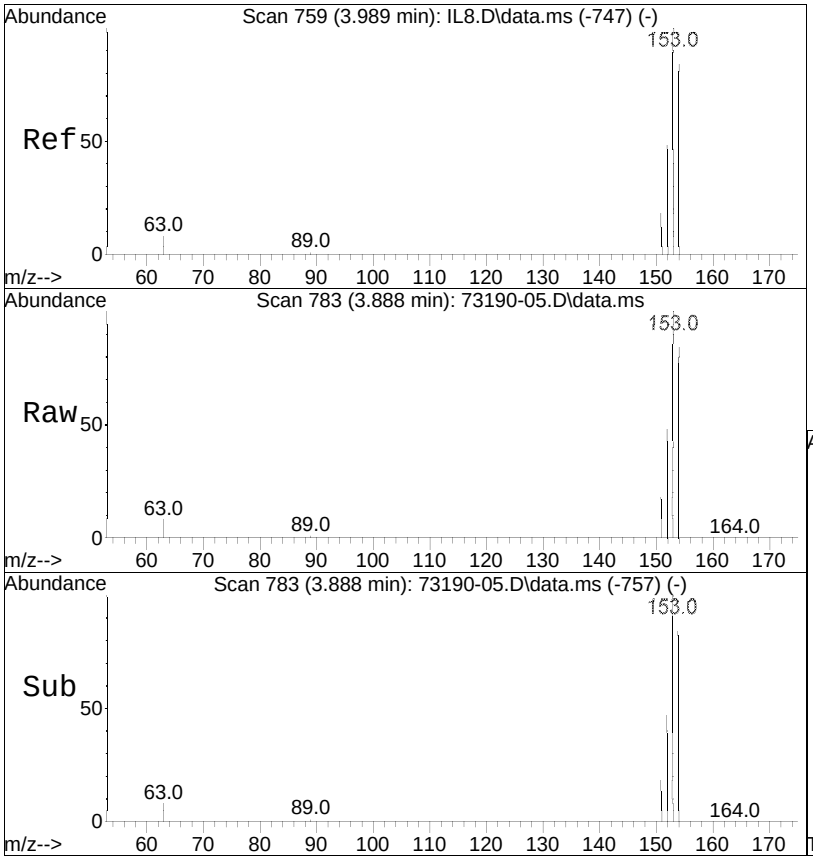


#16
Acenaphthylene
Concen: 58.59 ng/ml
RT: 3.790 min Scan# 751
Delta R.T. -0.001 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:152 Resp: 48188

Ion	Ratio	Lower	Upper
152	100		
151	26.9	16.5	24.7#

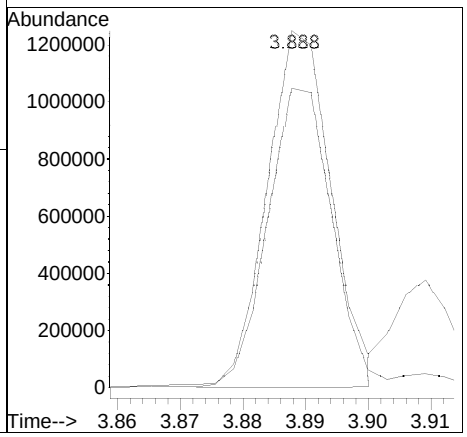


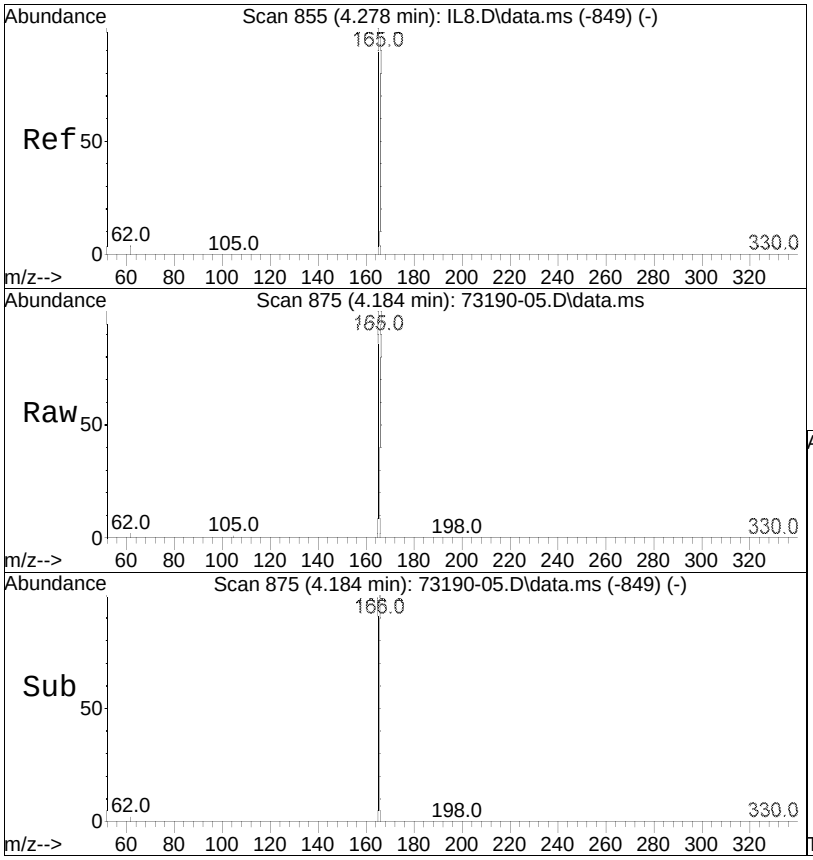


#18
Acenaphthene
Concen: 1553.74 ng/ml
RT: 3.888 min Scan# 783
Delta R.T. -0.001 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:153 Resp: 882061

Ion	Ratio	Lower	Upper
153	100		
154	85.5	74.9	112.3

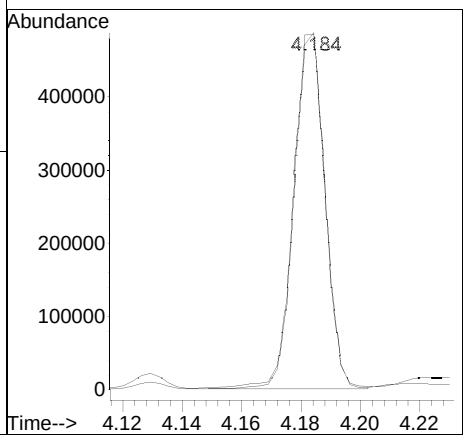


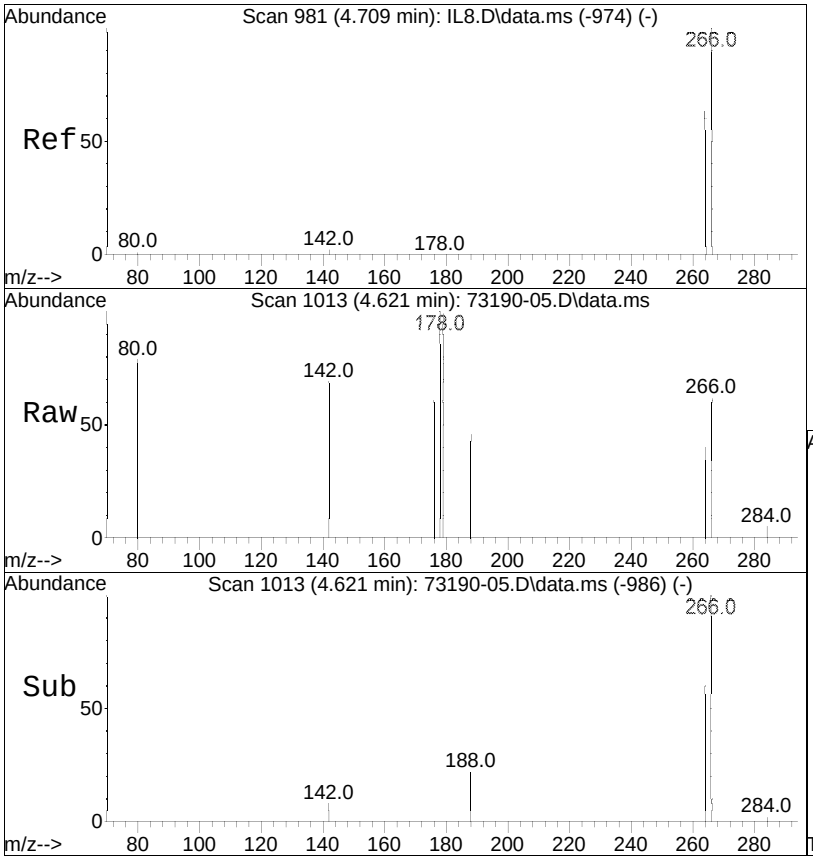


#20
Fluorene
Concen: 556.66 ng/ml
RT: 4.184 min Scan# 875
Delta R.T. 0.002 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:166 Resp: 348891

Ion	Ratio	Lower	Upper
166	100		
165	101.5	82.2	123.4

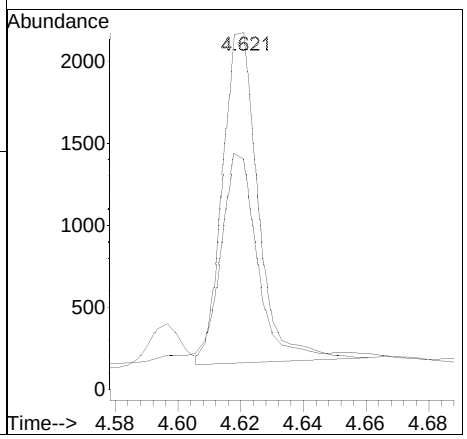


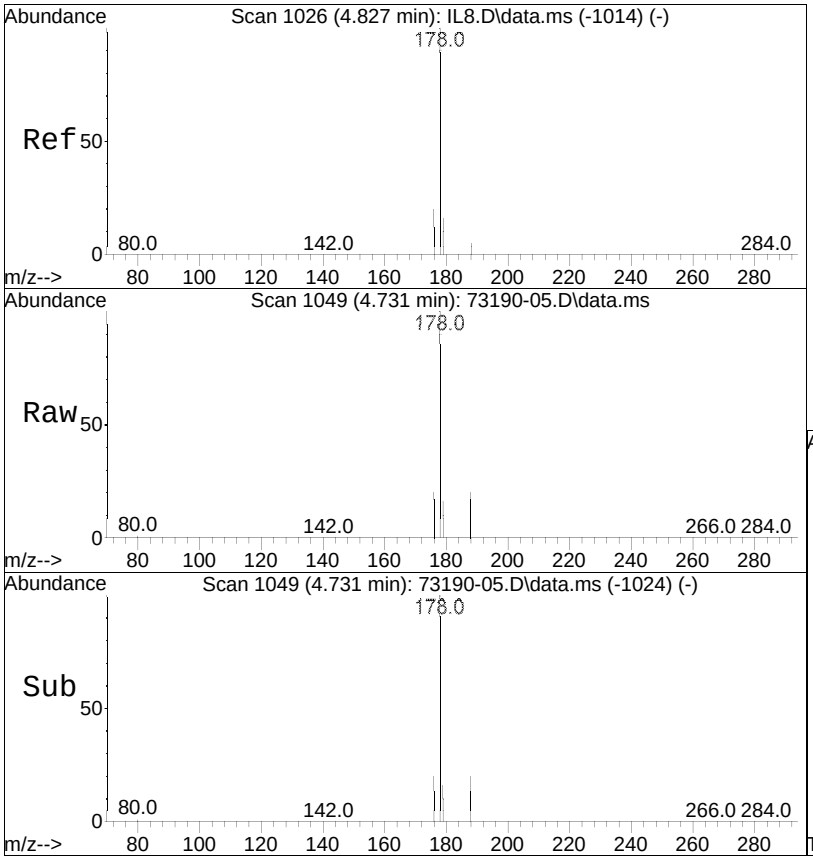


#25
Pentachlorophenol
Concen: 28.48 ng/ml
RT: 4.621 min Scan# 1013
Delta R.T. 0.002 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:266 Resp: 1596

Ion	Ratio	Lower	Upper
266	100		
264	69.7	50.6	76.0

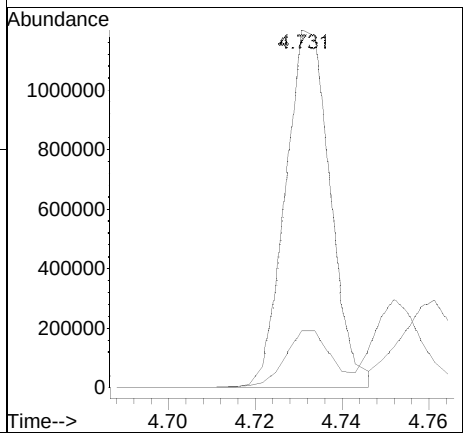


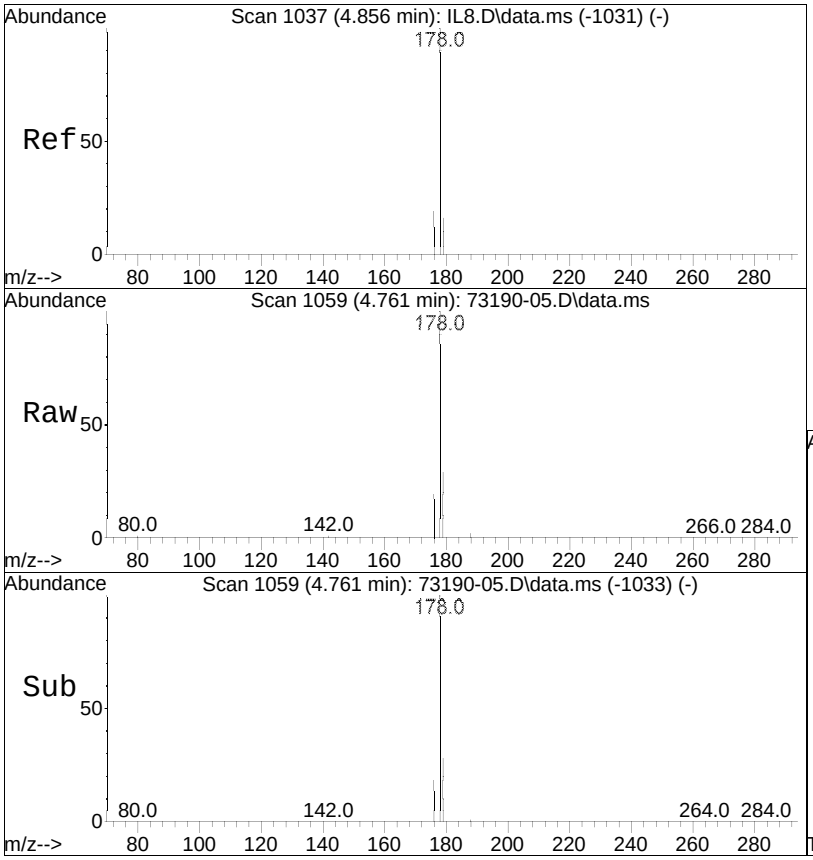


#26
Phenanthrene
Concen: 923.81 ng/ml
RT: 4.731 min Scan# 1049
Delta R.T. -0.004 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:178 Resp: 855029

Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.8	19.2

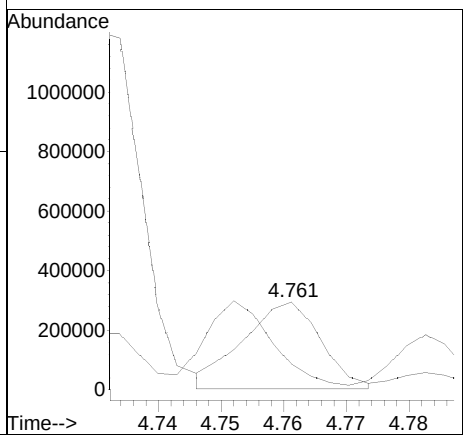


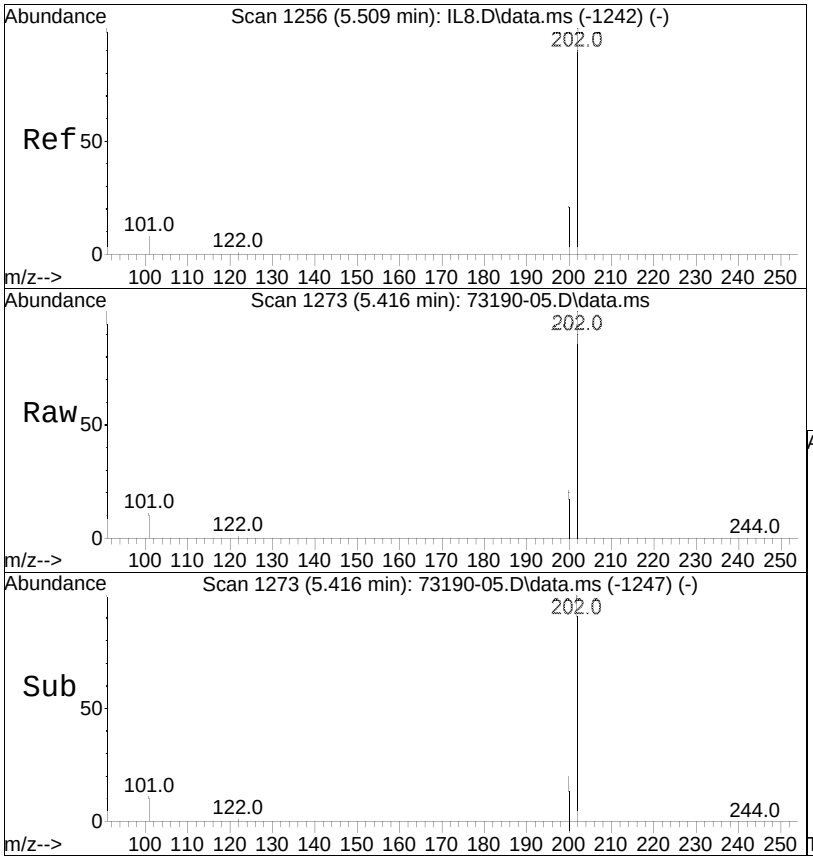


#27
Anthracene
Concen: 281.06 ng/ml
RT: 4.761 min Scan# 1059
Delta R.T. -0.001 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:178 Resp: 250482

Ion	Ratio	Lower	Upper
178	100		
179	87.9	12.6	18.8#

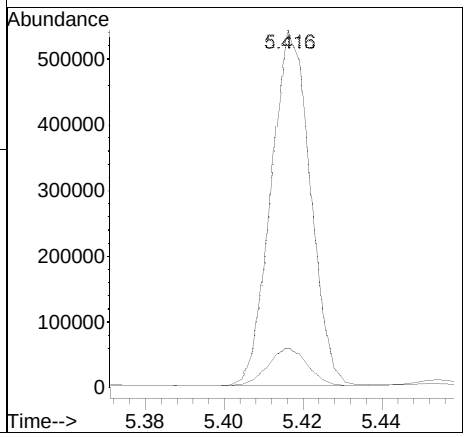


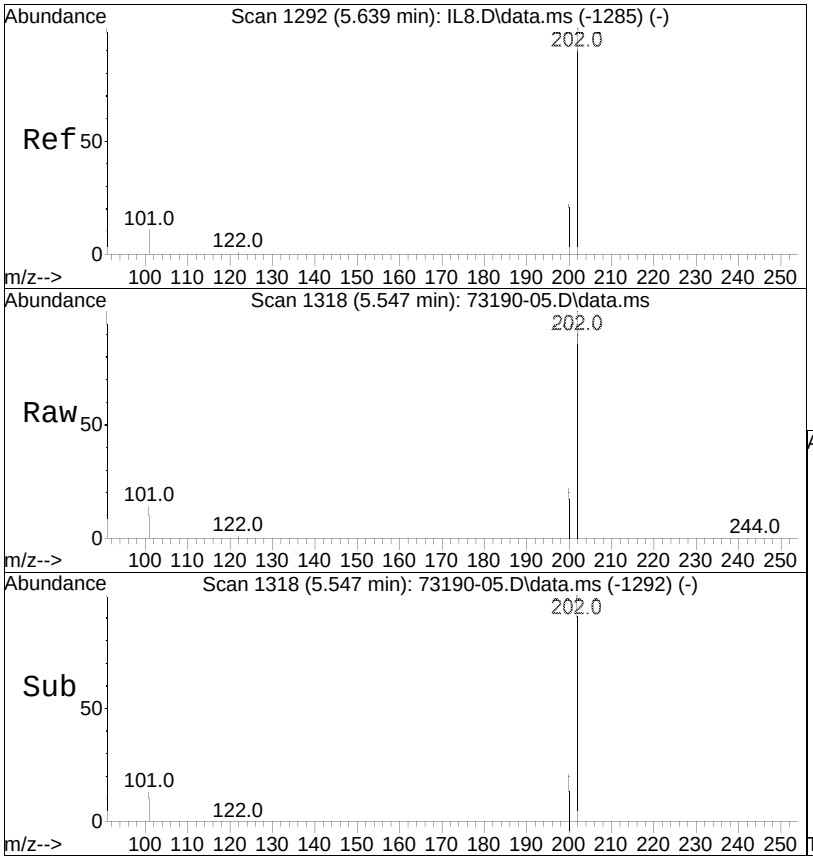


#28
Fluoranthene
Concen: 349.08 ng/ml
RT: 5.416 min Scan# 1273
Delta R.T. -0.003 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:202 Resp: 371073

Ion	Ratio	Lower	Upper
202	100		
101	10.8	7.7	11.5

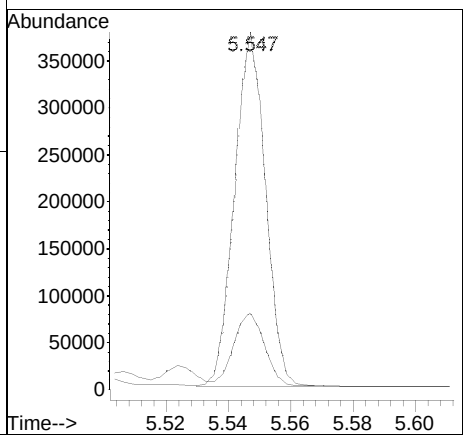


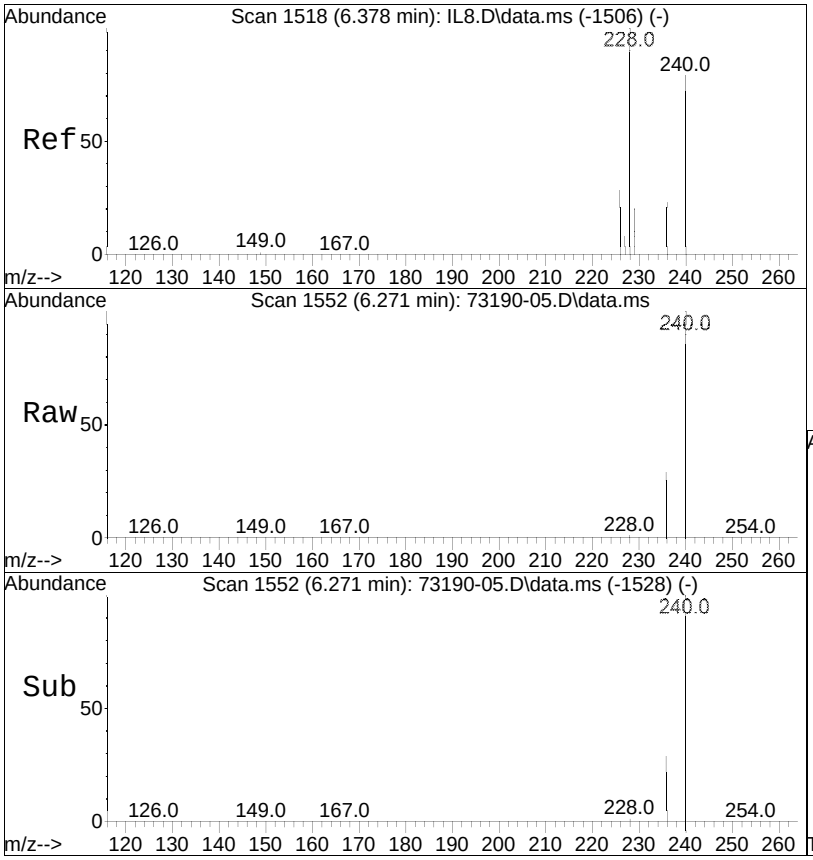


#29
Pyrene
Concen: 230.31 ng/ml
RT: 5.547 min Scan# 1318
Delta R.T. -0.003 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:202 Resp: 258726

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9

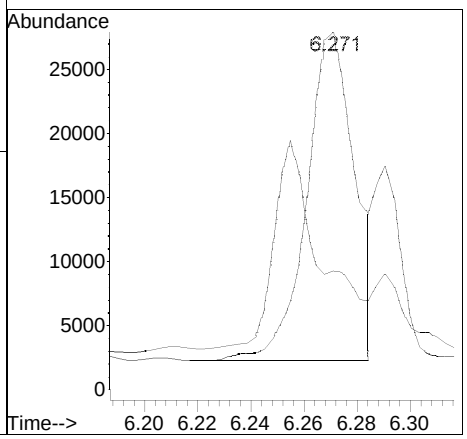


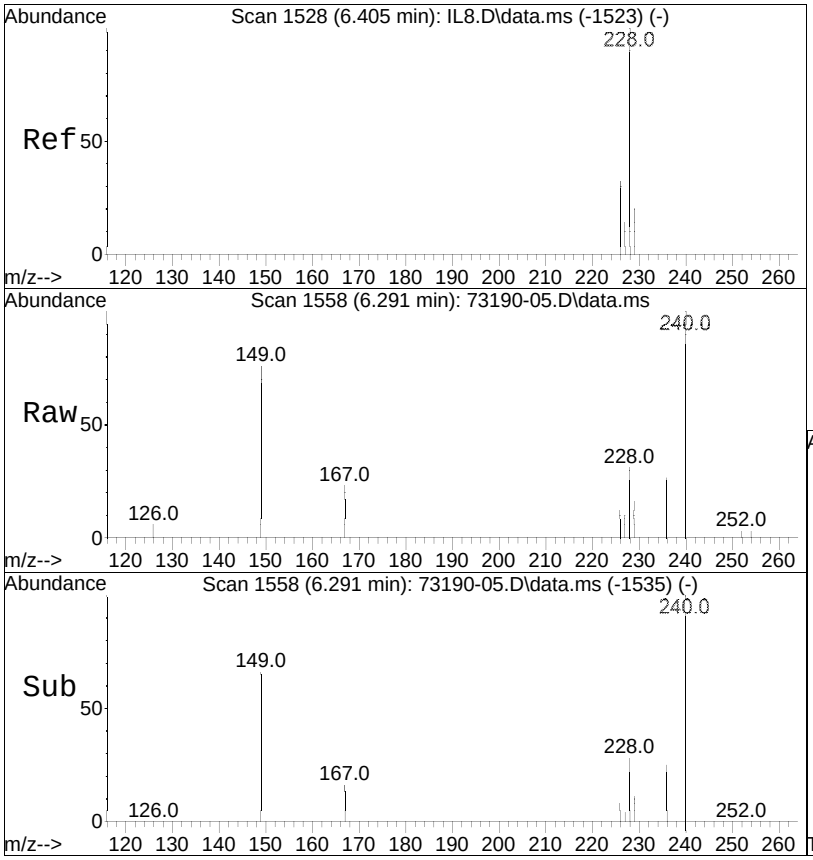


#32
Benzo[a]anthracene
Concen: 22.03 ng/ml
RT: 6.271 min Scan# 1552
Delta R.T. -0.004 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:228 Resp: 32093

Ion	Ratio	Lower	Upper
228	100		
229	64.2	15.9	23.9#

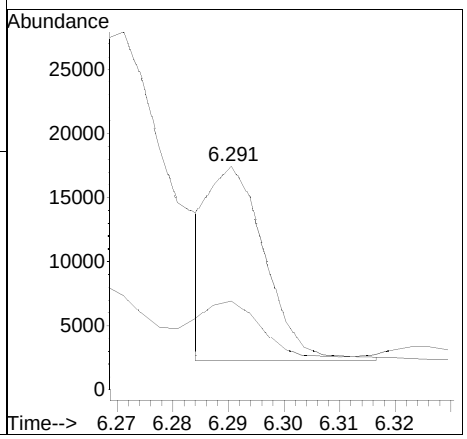


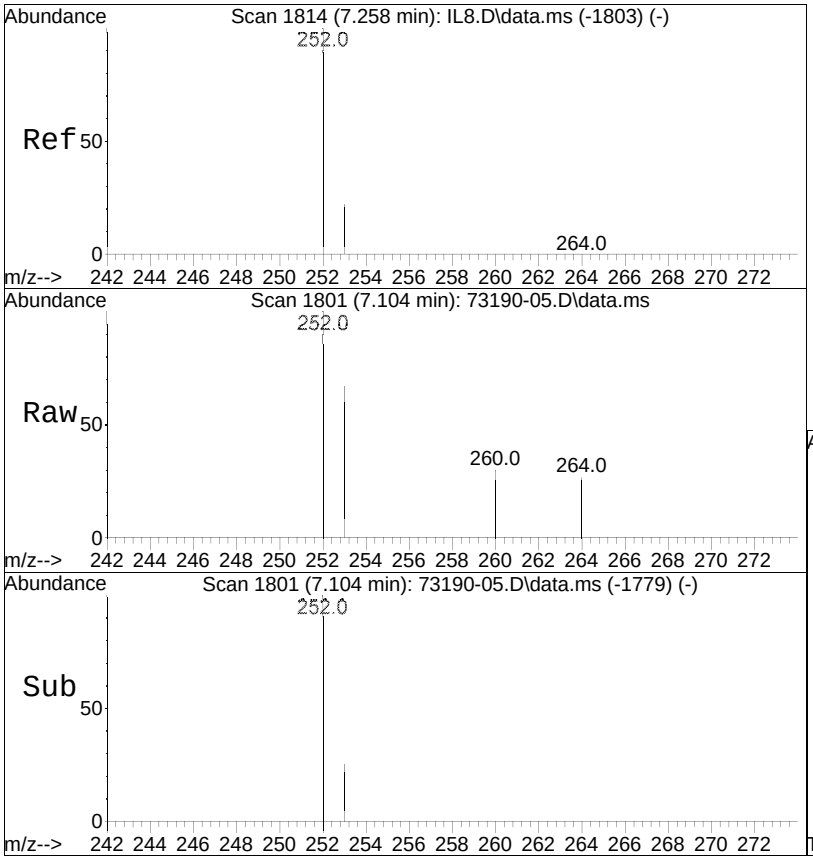


#34
Chrysene
Concen: 11.39 ng/ml M3
RT: 6.291 min Scan# 1558
Delta R.T. -0.007 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:228 Resp: 10585

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6

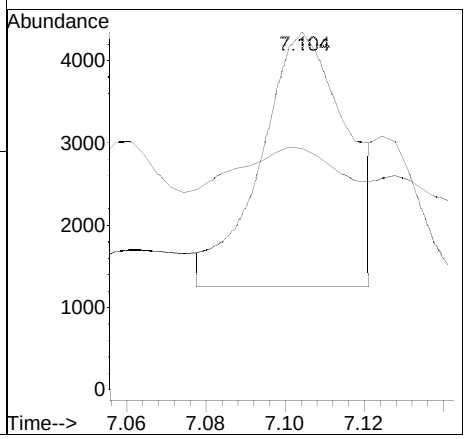


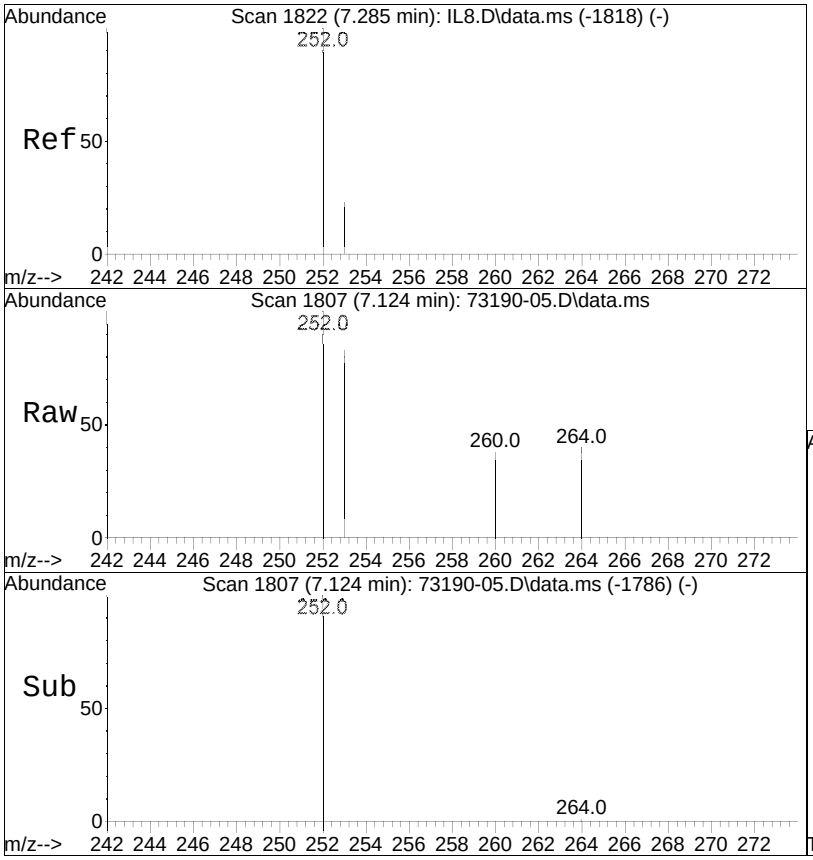


#37
Benzo[b]fluoranthene
Concen: 4.58 ng/ml M1
RT: 7.104 min Scan# 1801
Delta R.T. -0.007 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:252 Resp: 4682

Ion	Ratio	Lower	Upper
252	100		
253	19.4	17.6	26.4

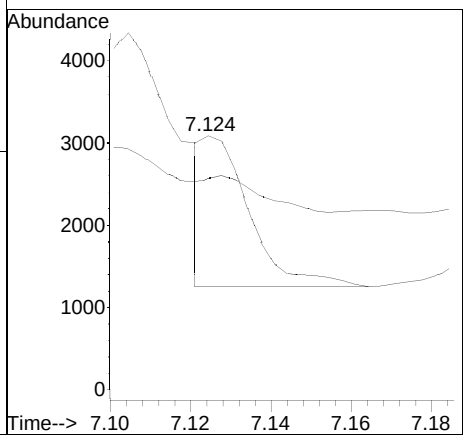




#38
Benzo[k]fluoranthene
Concen: 1.58 ng/ml M3
RT: 7.124 min Scan# 1807
Delta R.T. -0.010 min
Lab File: 73190-05.D
Acq: 18 Dec 2024 09:06 am

Tgt Ion:252 Resp: 1473

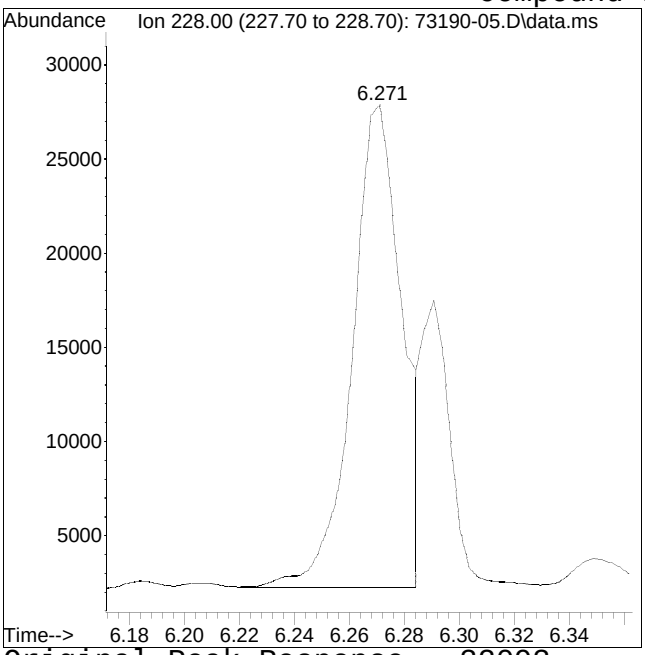
Ion	Ratio	Lower	Upper
252	100		
253	35.7	17.8	26.8#

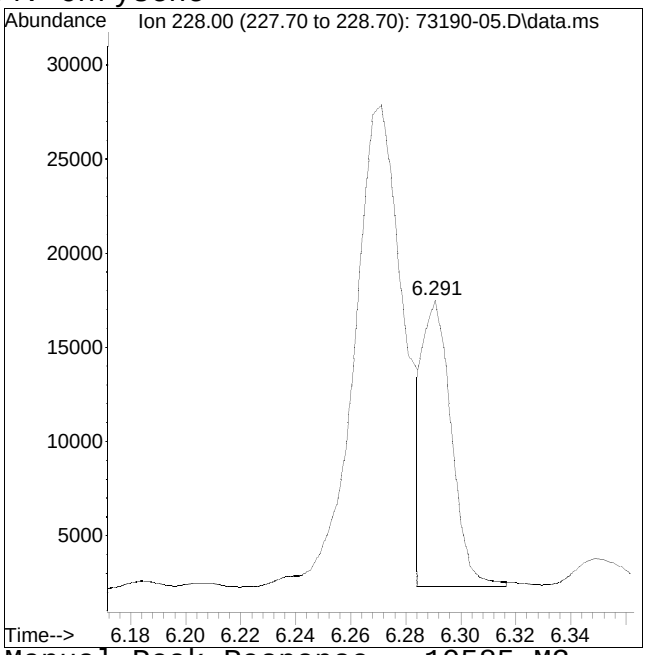


Manual Integration Report

Data Path : I:\8270SIM\SV125\241218RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-05.D Operator : SV125:kmh
Date Inj'd : 12/18/2024 9:06 am Instrument : SV125
Sample : L2473190-05,32,,RR(ott),kmQuant Date : 12/18/2024 9:22 am

Compound #34: Chrysene





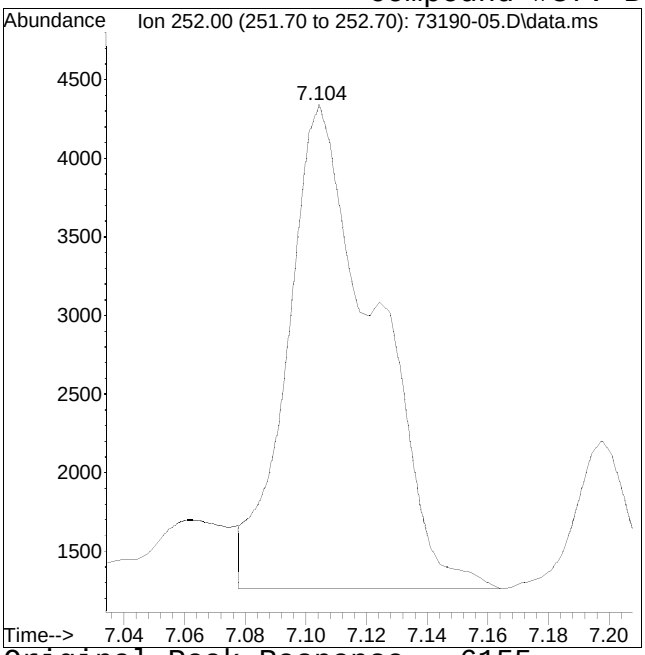
Original Peak Response = 32093 Manual Peak Response = 10585 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

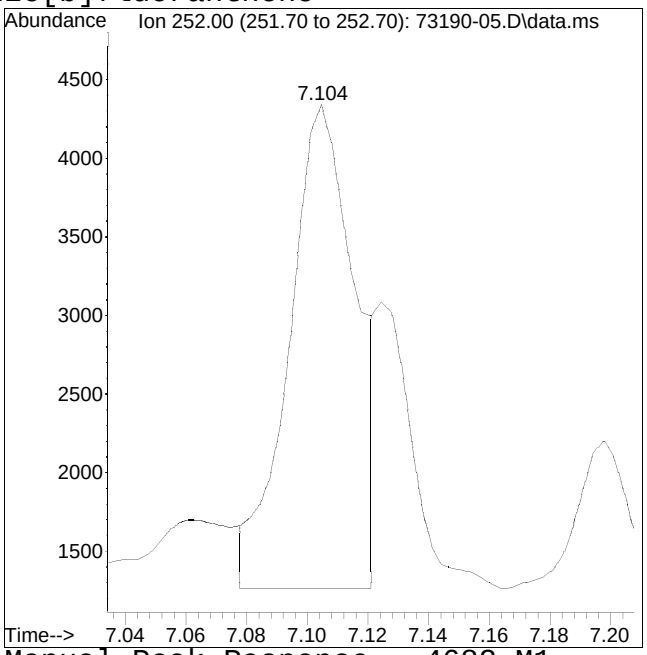
Data Path : I:\8270SIM\SV125\241218RVTQ
Data File : 73190-05.D
Date Inj'd : 12/18/2024 9:06 am
Sample : L2473190-05,32,,RR(ott),km

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:kmh
Instrument : SV125
Quant Date : 12/18/2024 9:22 am

Compound #37: Benzo[b]fluoranthene



Original Peak Response = 6155



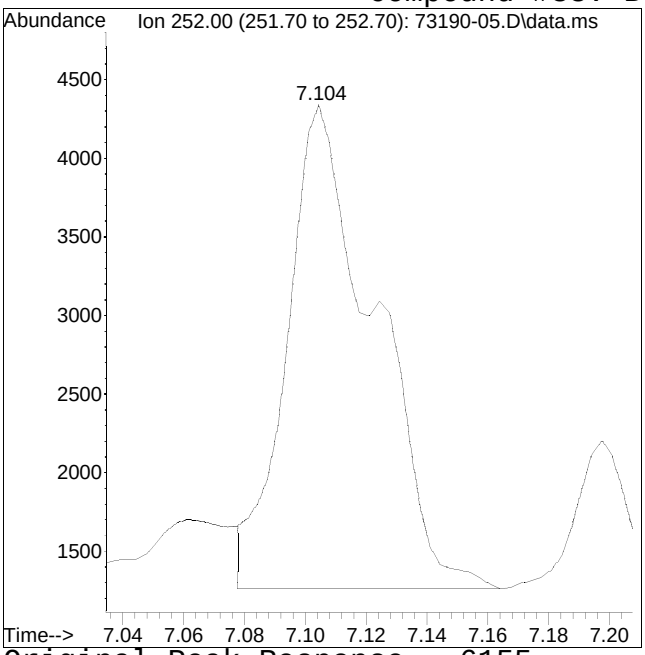
Manual Peak Response = 4682 M1

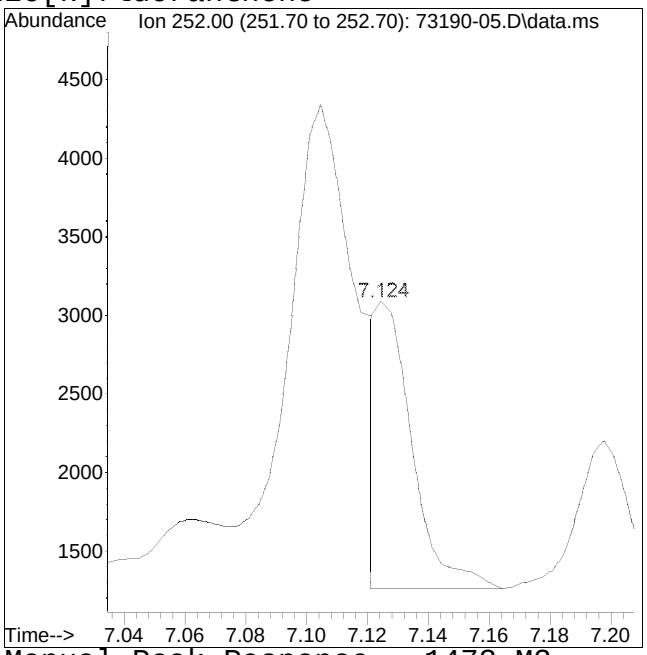
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241218RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-05.D Operator : SV125:kmh
Date Inj'd : 12/18/2024 9:06 am Instrument : SV125
Sample : L2473190-05,32,,RR(ott),kmQuant Date : 12/18/2024 9:22 am

Compound #38: Benzo[k]fluoranthene





Original Peak Response = 6155 Manual Peak Response = 1473 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : 73190-06.D
Acq On : 18 Dec 2024 10:19 am
Operator : SV120:slr
Sample : L2473190-06,32,,kmh
Misc : WG2010570,WG2010030,ical21668
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:53:08 2024
Quant Method : I:\8270sim\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.336	152	313006	4000.000	ng/ml	0.00
Standard Area 1 = 370292			Recovery = 84.53%			
8) Naphthalene-d8	2.991	136	1222614	4000.000	ng/ml	0.00
Standard Area 1 = 1496096			Recovery = 81.72%			
17) Acenaphthene-d10	3.967	164	659441	4000.000	ng/ml	0.00
Standard Area 1 = 879728			Recovery = 74.96%			
22) Phenanthrene-d10	4.806	188	1129991	4000.000	ng/ml	0.00
Standard Area 1 = 1683767			Recovery = 67.11%			
31) Chrysene-d12	6.369	240	712664	4000.000	ng/ml	-0.01
Standard Area 1 = 1305684			Recovery = 54.58%			
36) Perylene-d12	7.647	264	579534	4000.000	ng/ml	-0.01
Standard Area 1 = 1115455			Recovery = 51.95%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.782	112	73071	793.107	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.66%			
3) Phenol-d6	2.147	99	68996	609.472	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.47%			
7) Nitrobenzene-d5	2.607	82	66001	660.411	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.04%			
13) 2-Fluorobiphenyl	3.583	172	150879	612.272	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 61.23%			
21) 2,4,6-Tribromophenol	4.410	330	34060	1297.468	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 64.87%			
30) 4-Terphenyl-d14	5.714	244	127838	622.175	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 31.11%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.700	266	51M3	8.565	ng/ml	

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : 73190-06.D
Acq On : 18 Dec 2024 10:19 am
Operator : SV120:slr
Sample : L2473190-06,32,,kmh
Misc : WG2010570,WG2010030,ical21668
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:53:08 2024
Quant Method : I:\8270sim\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

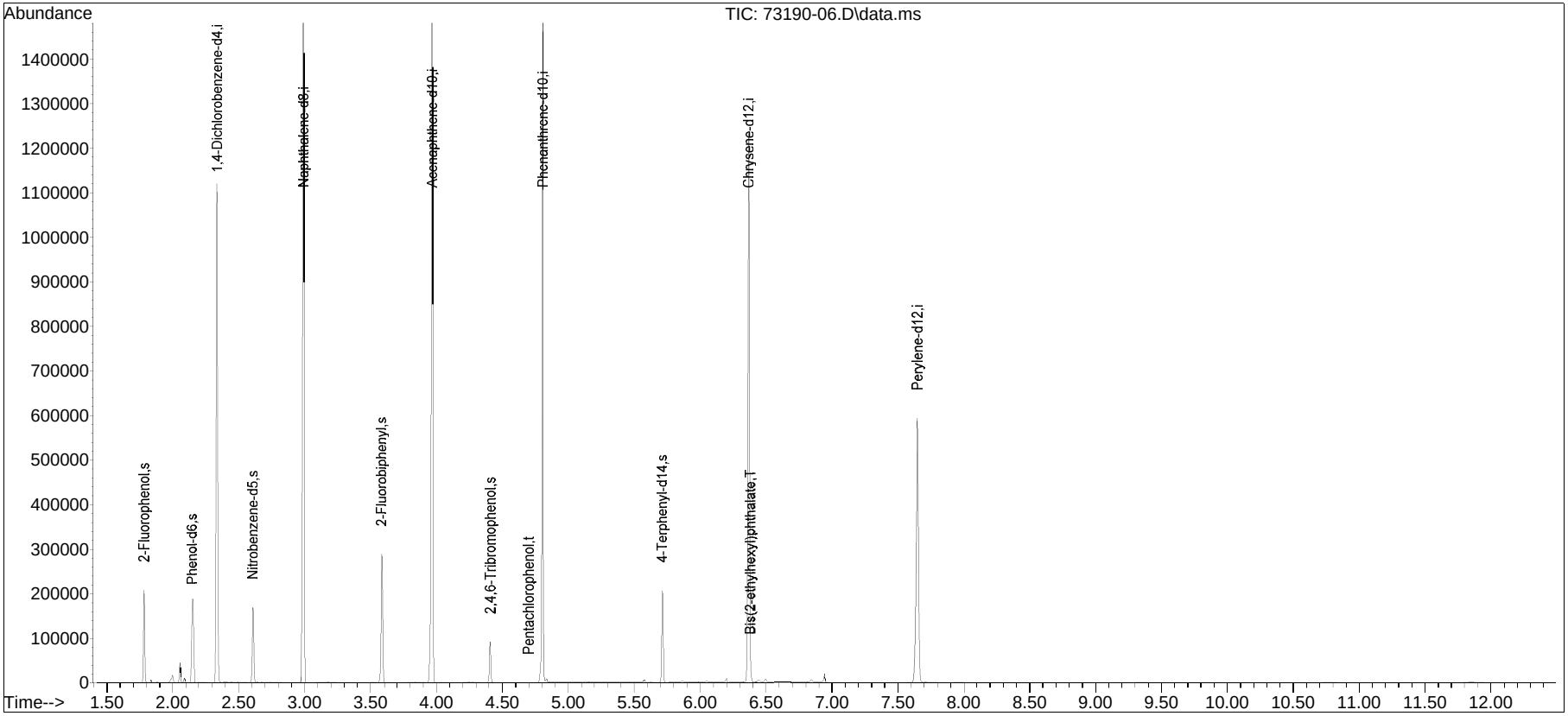
(#) = qualifier out of range (m) = manual integration (+) = signals summed

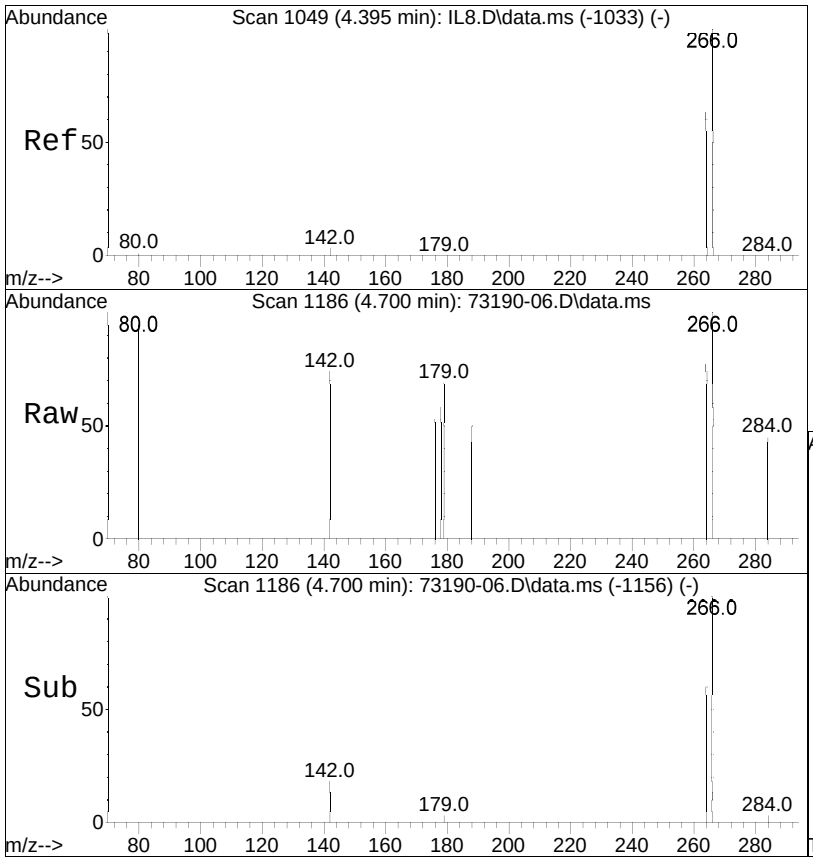
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : 73190-06.D
Acq On : 18 Dec 2024 10:19 am
Operator : SV120:slr
Sample : L2473190-06,32,,kmh
Misc : WG2010570,WG2010030,ical21668
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 10:53:08 2024
Quant Method : I:\8270sim\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:38 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1218.D•

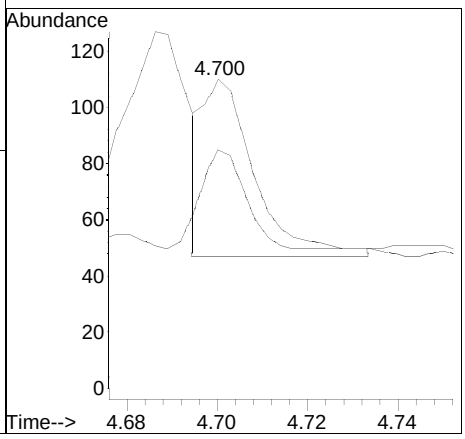




#25
Pentachlorophenol
Concen: 8.57 ng/ml M3
RT: 4.700 min Scan# 1186
Delta R.T. 0.003 min
Lab File: 73190-06.D
Acq: 18 Dec 2024 10:19 am

Tgt Ion:266 Resp: 51

Ion	Ratio	Lower	Upper
266	100		
264	58.8	50.3	75.5

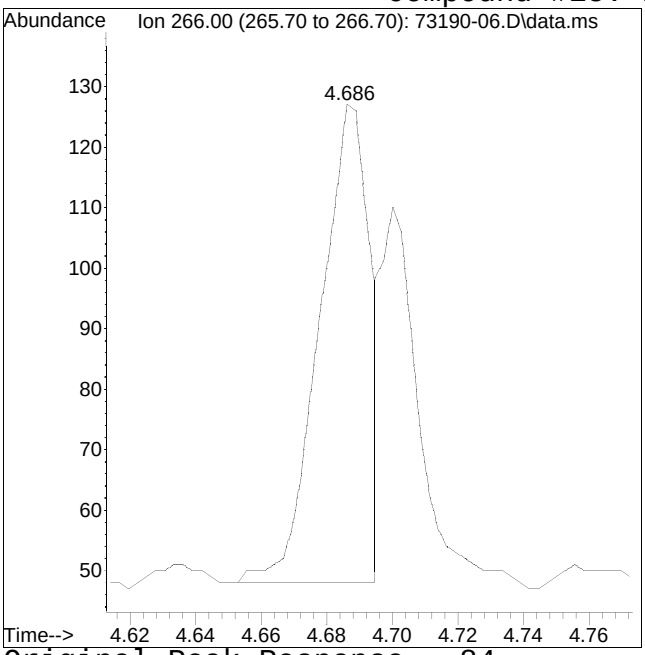


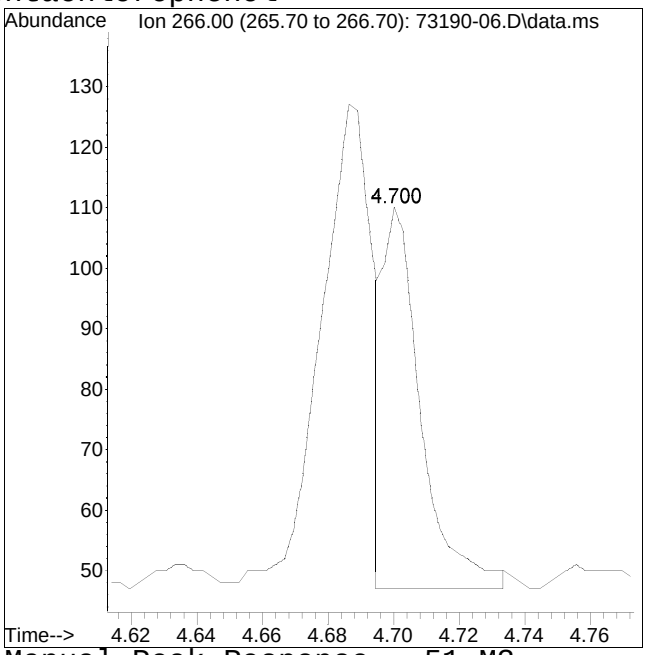
Manual Integration Report

Data Path : I:\8270SIM\sv120\241218RVTQ
Data File : 73190-06.D
Date Inj'd : 12/18/2024 10:19 am
Sample : L2473190-06,32,,kmh

Method : SIM-RVT_241105_sv120.M
Operator : SV120:slr
Instrument : SV120
Quant Date : 12/18/2024 10:32 am

Compound #25: Pentachlorophenol





Original Peak Response = 84 Manual Peak Response = 51 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 04:15 pm
Operator : SV125:kmh
Sample : L2473190-04,32,,RR(IS),jjw
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 19 11:29:57 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.202	152	614402	4000.000	ng/ml	-0.01
Standard Area 1 = 935616			Recovery = 65.67%			
8) Naphthalene-d8	2.876	136	2390356	4000.000	ng/ml	-0.01
Standard Area 1 = 3556436			Recovery = 67.21%			
17) Acenaphthene-d10	3.869	164	1441032	4000.000	ng/ml	0.00
Standard Area 1 = 2260492			Recovery = 63.75%			
22) Phenanthrene-d10	4.728	188	2884920	4000.000	ng/ml	0.00
Standard Area 1 = 4537937			Recovery = 63.57%			
31) Chrysene-d12	6.391	240	3030794M2	4000.000	ng/ml	0.11
Standard Area 1 = 4704311			Recovery = 64.43%			
36) Perylene-d12	7.604	264	3579427M2	4000.000	ng/ml	0.12
Standard Area 1 = 5636689			Recovery = 63.50%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.608	112	186248	1128.175	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.41%			
3) Phenol-d6	2.022	99	165687	792.965	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.65%			
7) Nitrobenzene-d5	2.490	82	167297	940.439	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.04%			
13) 2-Fluorobiphenyl	3.484	172	405679	762.916	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.29%			
21) 2,4,6-Tribromophenol	4.325	330	141179	1806.337	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 90.32%			
30) 4-Terphenyl-d14	5.701	244	599656	901.507	ng/ml	0.06
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.15%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 04:15 pm
Operator : SV125:kmh
Sample : L2473190-04,32,,RR(IS),jjw
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 19 11:29:57 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

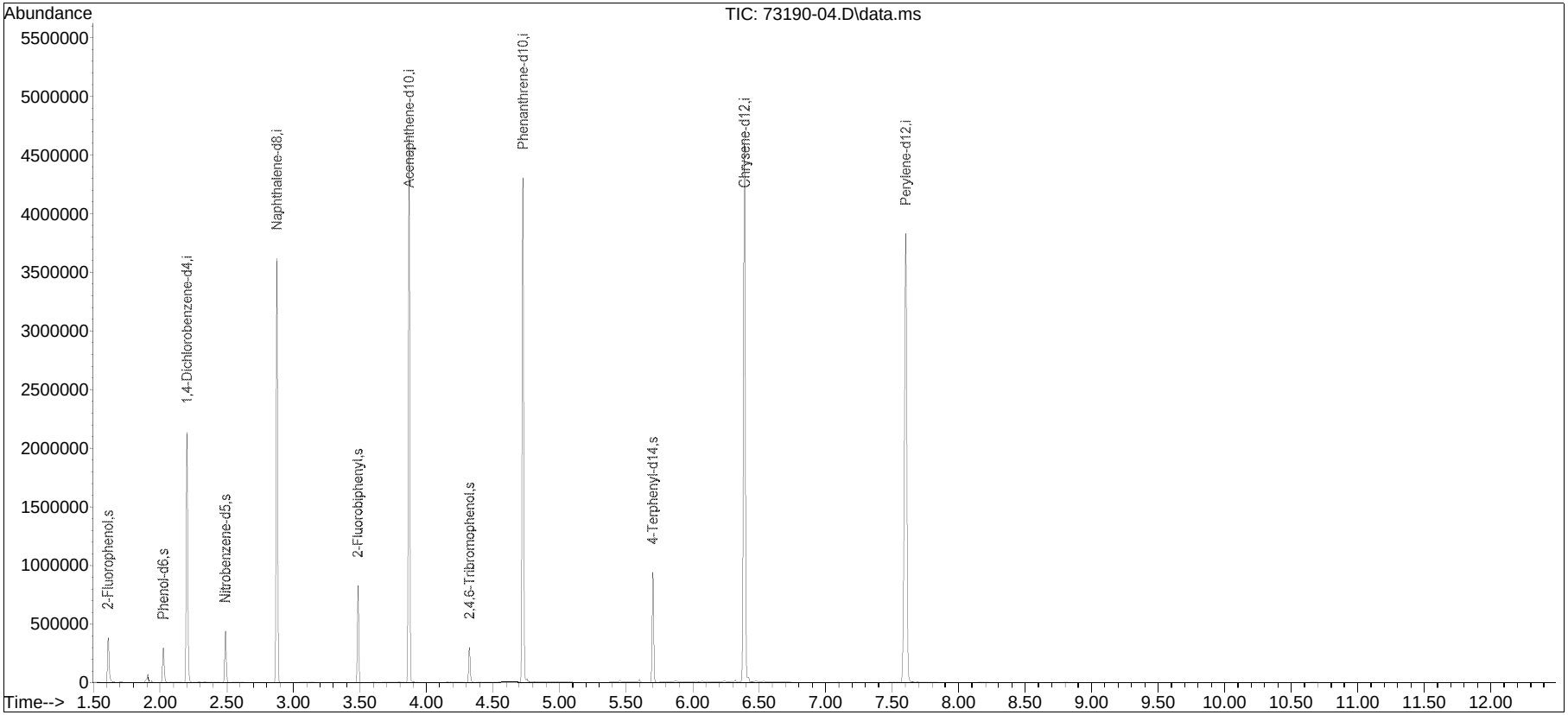
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 73190-04.D
Acq On : 18 Dec 2024 04:15 pm
Operator : SV125:kmh
Sample : L2473190-04,32,,RR(IS),jjw
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 19 11:29:57 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

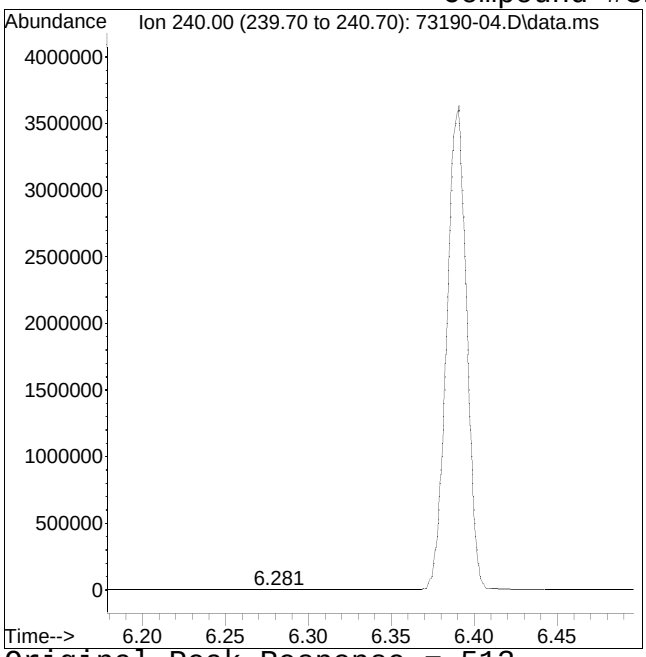
Sub List : DEFAULT - All compounds listed\ccv1218.D•

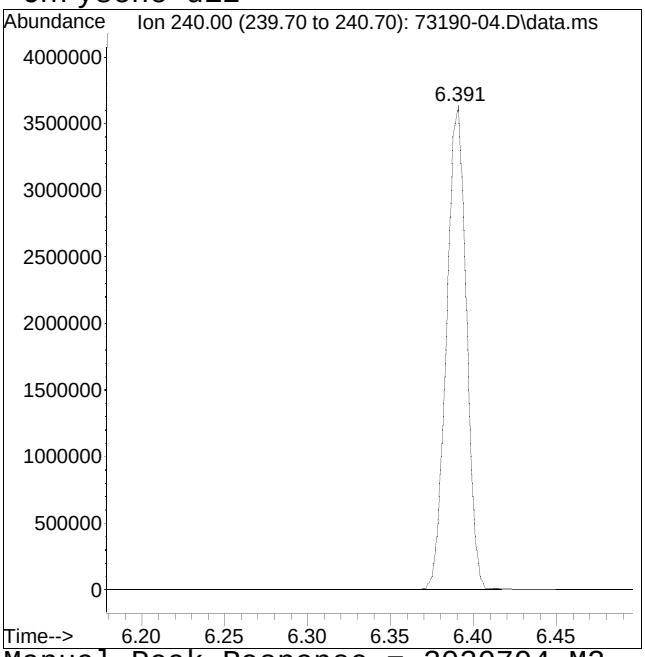


Manual Integration Report

Data Path : I:\8270SIM\SV125\241218RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-04.D Operator : SV125:kmh
Date Inj'd : 12/18/2024 4:15 pm Instrument : SV125
Sample : L2473190-04,32,,RR(IS),jjwQuant Date : 12/18/2024 4:30 pm

Compound #31: Chrysene-d12



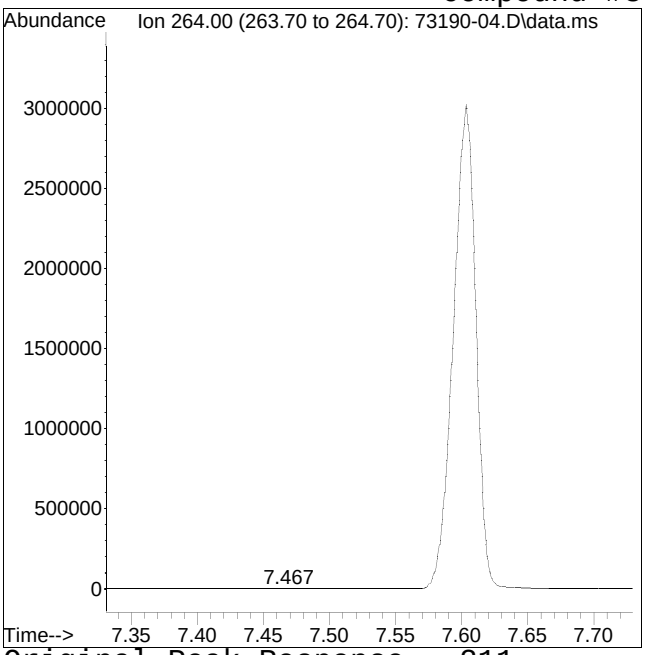


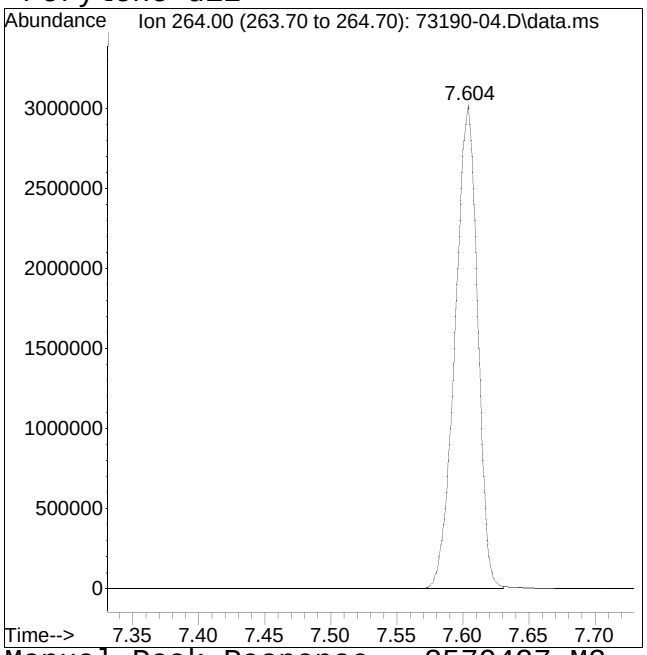
Original Peak Response = 513 Manual Peak Response = 3030794 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241218RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-04.D Operator : SV125:kmh
Date Inj'd : 12/18/2024 4:15 pm Instrument : SV125
Sample : L2473190-04,32,,RR(IS),jjwQuant Date : 12/18/2024 4:30 pm

Compound #36: Perylene-d12





Original Peak Response = 211 Manual Peak Response = 3579427 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : 73190-08.D
Acq On : 20 Dec 2024 12:00 am
Operator : SV125:slr
Sample : L2473190-08,32,,mrg
Misc : wg2011538,WG2011034,ical21676
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 20 07:53:43 2024
Quant Method : I:\8270sim\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241219nRVT\ccv1219n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.213	152	650667	4000.000	ng/ml	0.00
Standard Area 1 = 863572			Recovery = 75.35%			
8) Naphthalene-d8	2.884	136	2509345	4000.000	ng/ml	0.00
Standard Area 1 = 3299638			Recovery = 76.05%			
17) Acenaphthene-d10	3.870	164	1483167	4000.000	ng/ml	0.00
Standard Area 1 = 2091331			Recovery = 70.92%			
22) Phenanthrene-d10	4.716	188	2921239	4000.000	ng/ml	0.00
Standard Area 1 = 4333620			Recovery = 67.41%			
31) Chrysene-d12	6.272	240	2811114	4000.000	ng/ml	-0.01
Standard Area 1 = 4669030			Recovery = 60.21%			
36) Perylene-d12	7.468	264	3063465	4000.000	ng/ml	-0.02
Standard Area 1 = 5544941			Recovery = 55.25%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.627	112	107187	613.085	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.65%			
3) Phenol-d6	2.036	99	163021	736.721	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.84%			
7) Nitrobenzene-d5	2.498	82	175316	930.589	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.06%			
13) 2-Fluorobiphenyl	3.485	172	439531	787.383	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.74%			
21) 2,4,6-Tribromophenol	4.319	330	60881	756.822	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.84%			
30) 4-Terphenyl-d14	5.638	244	587422	872.136	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.21%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D. d
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : 73190-08.D
Acq On : 20 Dec 2024 12:00 am
Operator : SV125:slr
Sample : L2473190-08,32,,mrg
Misc : wg2011538,WG2011034,ical21676
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 20 07:53:43 2024
Quant Method : I:\8270sim\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241219nRVT\ccv1219n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

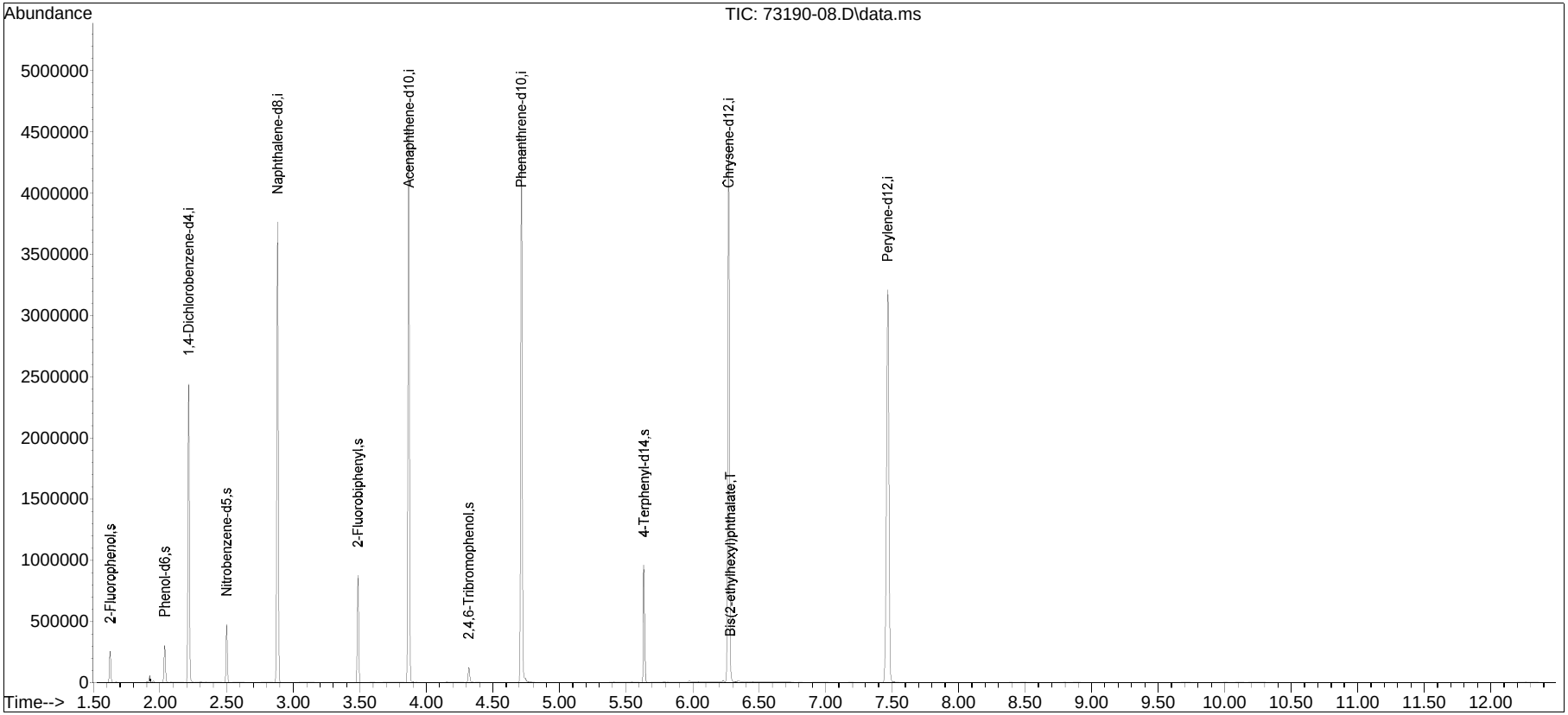
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : 73190-08.D
Acq On : 20 Dec 2024 12:00 am
Operator : SV125:slr
Sample : L2473190-08,32,,mrg
Misc : wg2011538,WG2011034,ical21676
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 20 07:53:43 2024
Quant Method : I:\8270sim\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1219n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241219nRVQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 73190-08.D	Operator	: SV125:slr
Date Inj'd	: 12/20/2024 12:00 am	Instrument	: SV125
Sample	: L2473190-08,32,,mrg	Quant Date	: 12/20/2024 0:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : 73190-09.D
Acq On : 20 Dec 2024 12:16 am
Operator : SV125:slr
Sample : L2473190-09,32,,mrg
Misc : wg2011538,WG2011034,ical21676
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 20 07:45:40 2024
Quant Method : I:\8270sim\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241219nRVT\ccv1219n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.214	152	665959	4000.000	ng/ml	0.00
Standard Area 1 = 863572			Recovery = 77.12%			
8) Naphthalene-d8	2.883	136	2583992	4000.000	ng/ml	0.00
Standard Area 1 = 3299638			Recovery = 78.31%			
17) Acenaphthene-d10	3.870	164	1554014	4000.000	ng/ml	0.00
Standard Area 1 = 2091331			Recovery = 74.31%			
22) Phenanthrene-d10	4.719	188	3064942	4000.000	ng/ml	0.00
Standard Area 1 = 4333620			Recovery = 70.72%			
31) Chrysene-d12	6.271	240	2941870	4000.000	ng/ml	-0.01
Standard Area 1 = 4669030			Recovery = 63.01%			
36) Perylene-d12	7.471	264	3172635	4000.000	ng/ml	-0.02
Standard Area 1 = 5544941			Recovery = 57.22%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.627	112	139824	781.397	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.07%			
3) Phenol-d6	2.037	99	161281	712.122	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.61%			
7) Nitrobenzene-d5	2.498	82	167152	866.880	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.69%			
13) 2-Fluorobiphenyl	3.488	172	434725	756.276	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.63%			
21) 2,4,6-Tribromophenol	4.322	330	103574	1228.848	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 61.44%			
30) 4-Terphenyl-d14	5.637	244	588921	833.366	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.34%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.896	128	2162M6	3.116	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : 73190-09.D
Acq On : 20 Dec 2024 12:16 am
Operator : SV125:slr
Sample : L2473190-09,32,,mrg
Misc : wg2011538,WG2011034,ical21676
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 20 07:45:40 2024
Quant Method : I:\8270sim\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241219nRVT\ccv1219n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.728	178	3952M6	4.666	ng/ml	
27) Anthracene	4.758	178	4446	5.451	ng/ml	95
28) Fluoranthene	5.413	202	10806	11.107	ng/ml#	94
29) Pyrene	5.544	202	11832	11.509	ng/ml	99
32) Benzo[a]anthracene	6.268	228	16931M1	8.651	ng/ml	
34) Chrysene	6.287	228	6042M3	7.256	ng/ml	
37) Benzo[b]fluoranthene	7.098	252	10754	12.181	ng/ml	94
38) Benzo[k]fluoranthene	7.121	252	5544	6.871	ng/ml	99
39) Benzo[a]pyrene	7.404	252	7021	9.589	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.673	276	7858M6	9.993	ng/ml	
41) Dibenzo[a,h]anthracene	8.709	278	3840	5.302	ng/ml#	82
42) Benzo[g,h,i]perylene	9.010	276	7959	10.417	ng/ml#	45

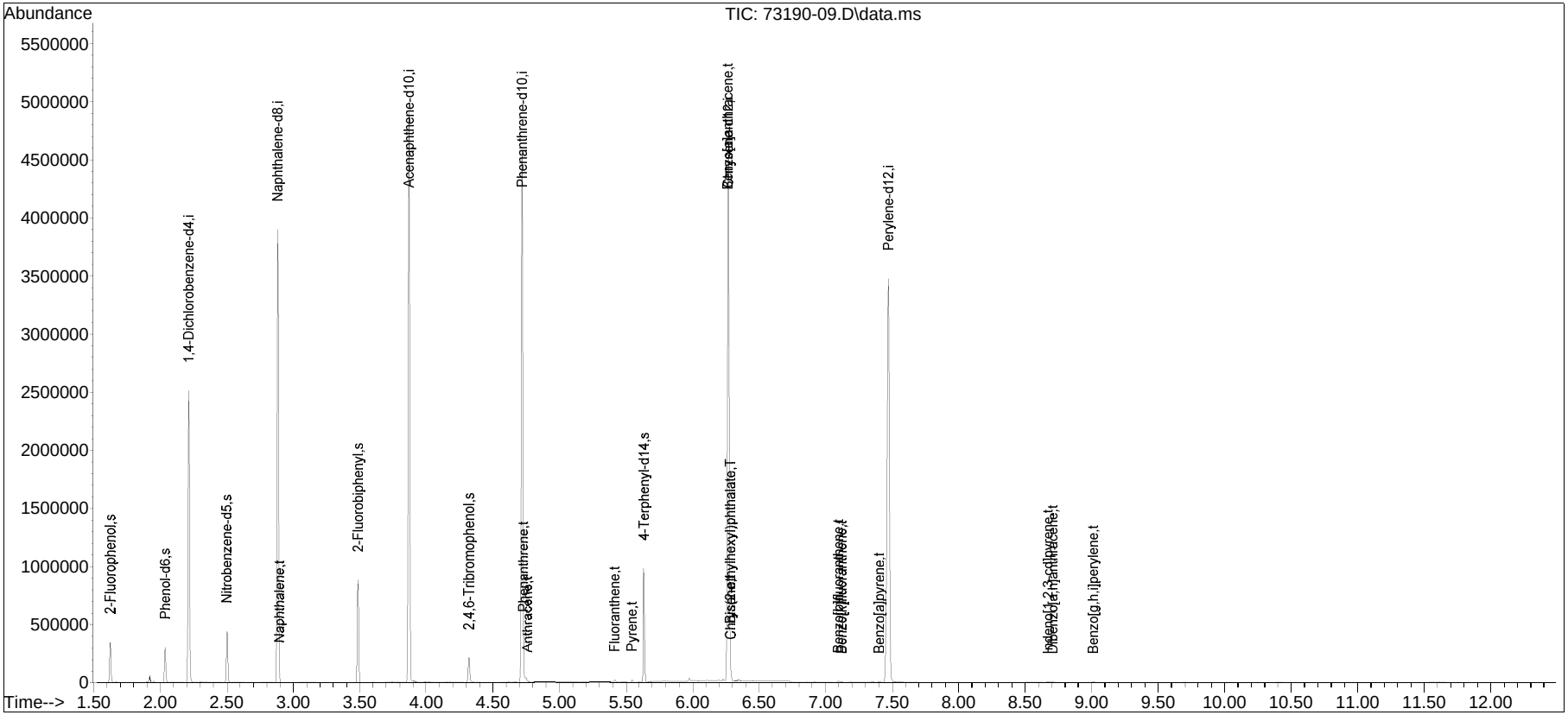
(#) = qualifier out of range (m) = manual integration (+) = signals summed

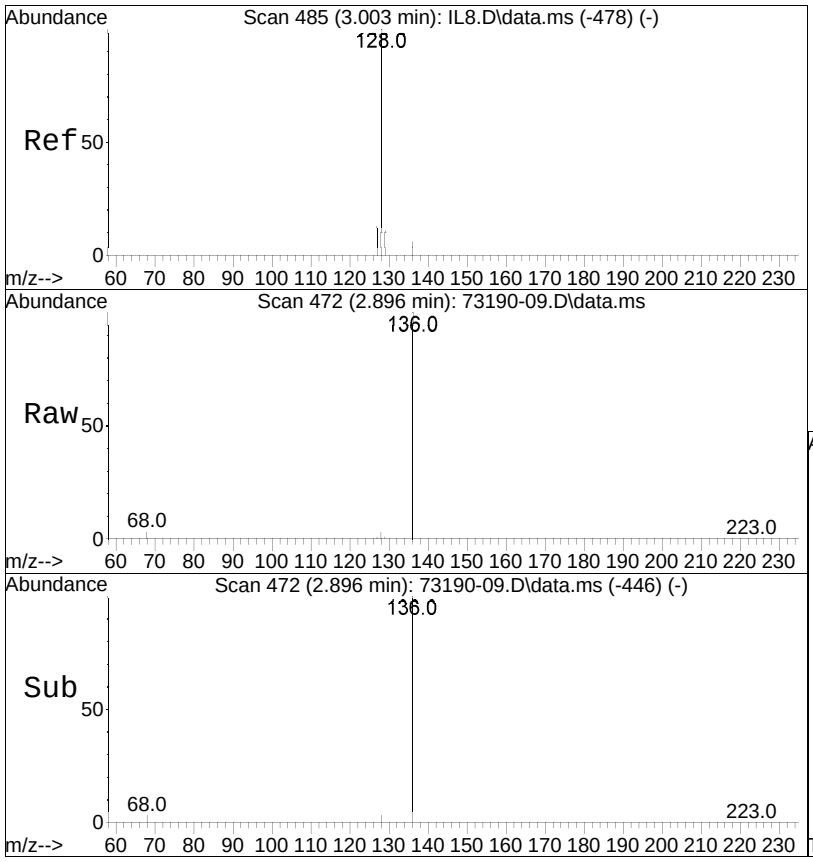
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : 73190-09.D
Acq On : 20 Dec 2024 12:16 am
Operator : SV125:slr
Sample : L2473190-09,32,,mrg
Misc : wg2011538,WG2011034,ical21676
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 20 07:45:40 2024
Quant Method : I:\8270sim\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1219n.D•

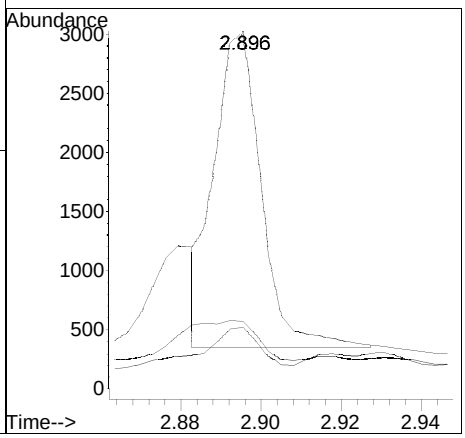


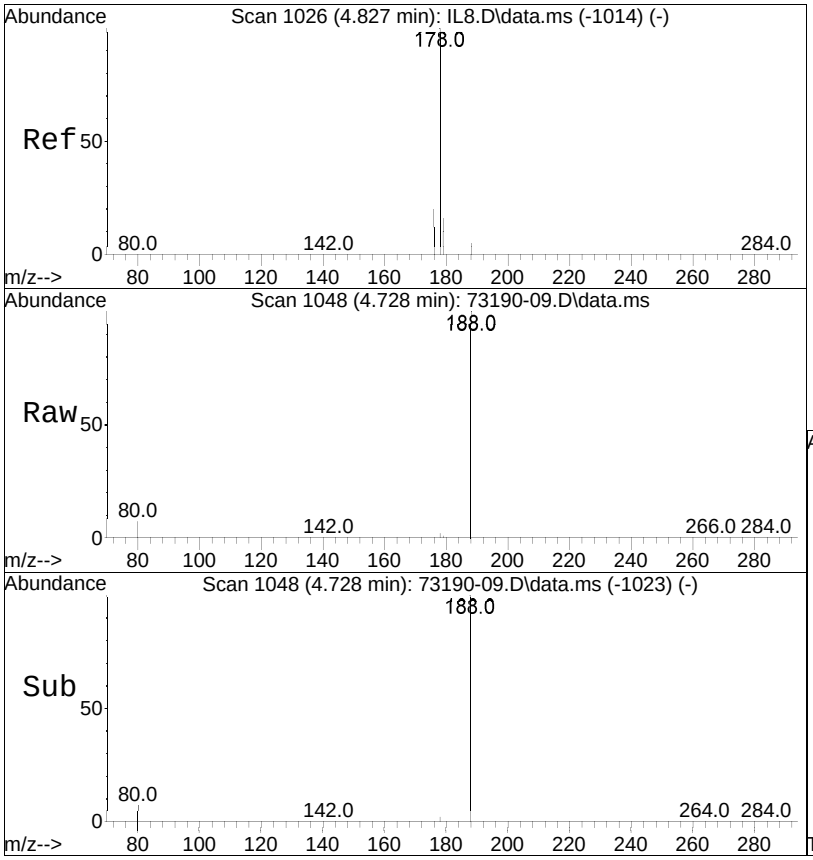


#9
Naphthalene
Concen: 3.12 ng/ml M6
RT: 2.896 min Scan# 472
Delta R.T. 0.003 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:128 Resp: 2162

Ion	Ratio	Lower	Upper
128	100		
129	8.5	8.9	13.3#
127	11.1	10.9	16.3

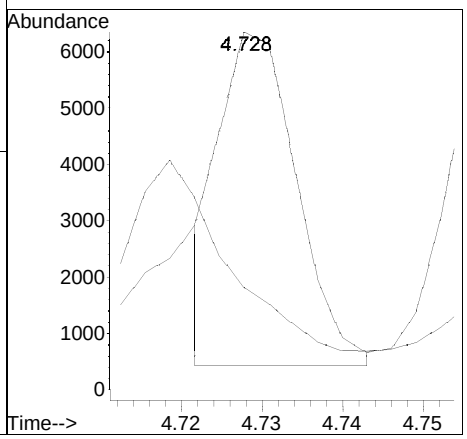


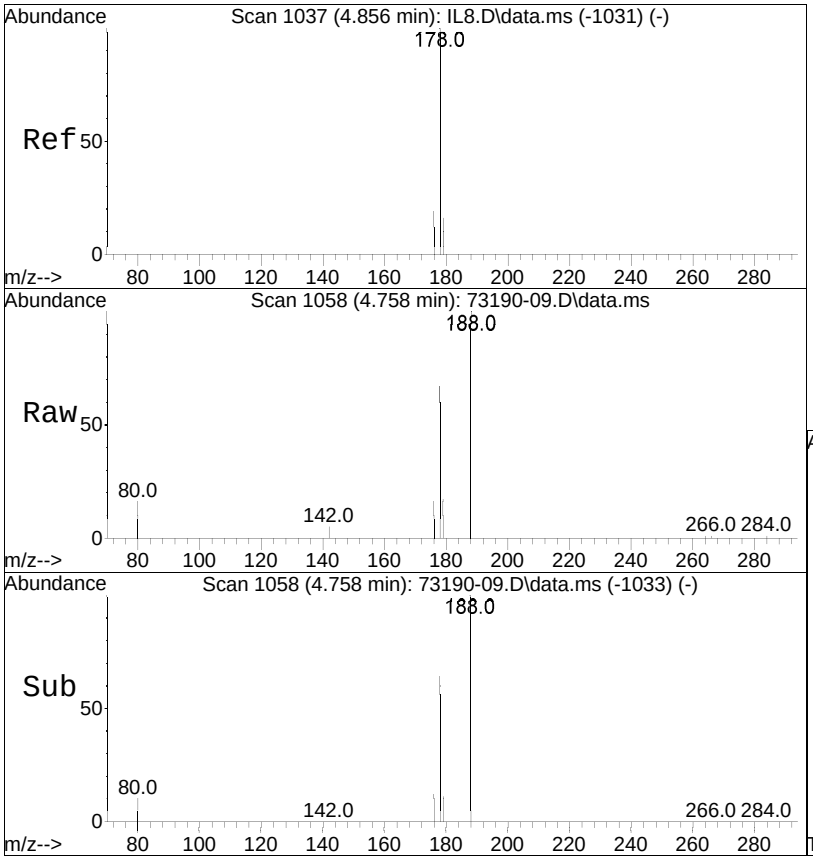


#26
Phenanthrene
Concen: 4.67 ng/ml M6
RT: 4.728 min Scan# 1048
Delta R.T. -0.003 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:178 Resp: 3952

Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.8	19.2

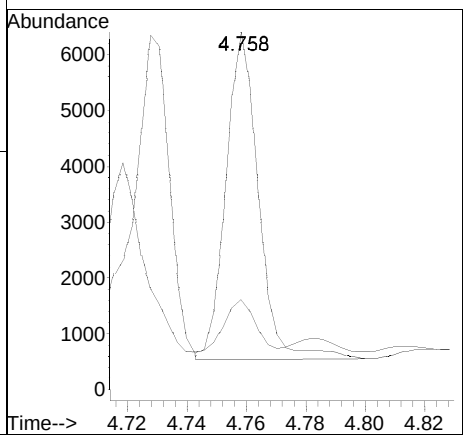


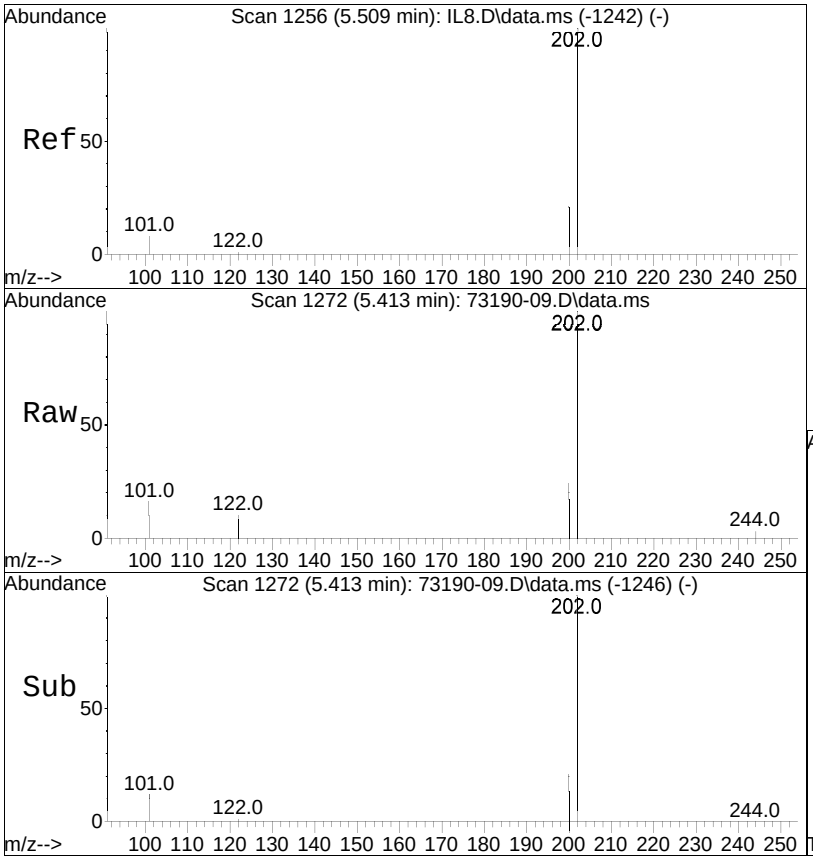


#27
Anthracene
Concen: 5.45 ng/ml
RT: 4.758 min Scan# 1058
Delta R.T. -0.003 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:178 Resp: 4446

Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.6	18.8

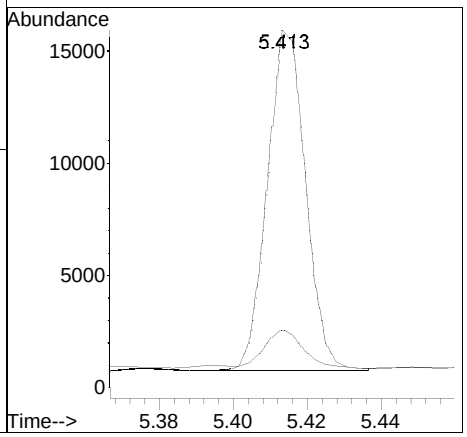


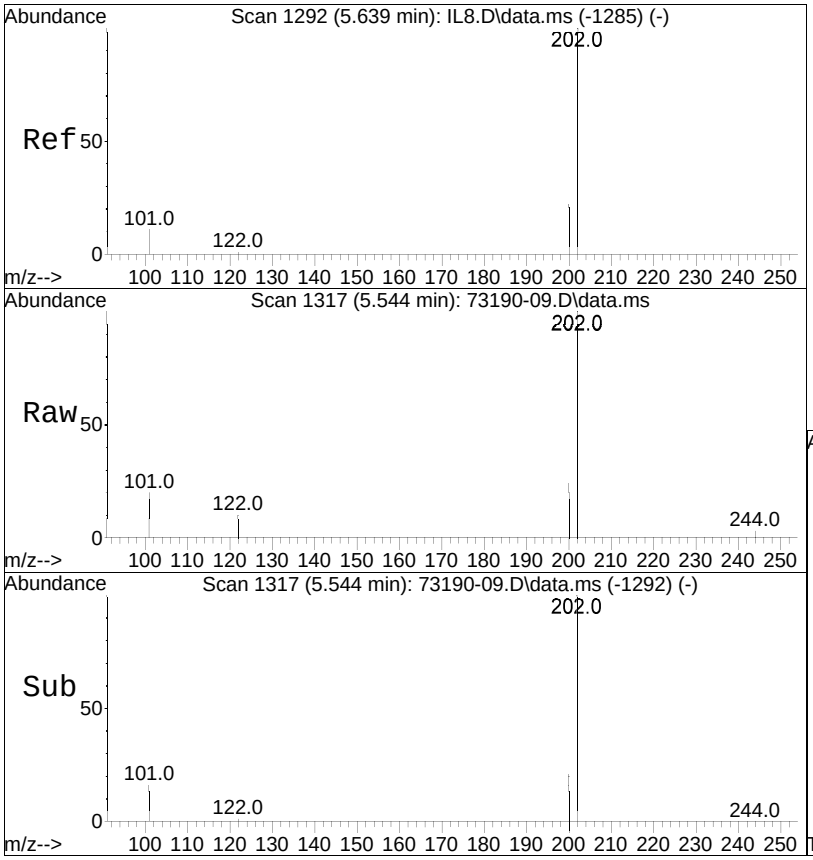


#28
Fluoranthene
Concen: 11.11 ng/ml
RT: 5.413 min Scan# 1272
Delta R.T. -0.003 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:202 Resp: 10806

Ion	Ratio	Lower	Upper
202	100		
101	11.9	7.7	11.5#

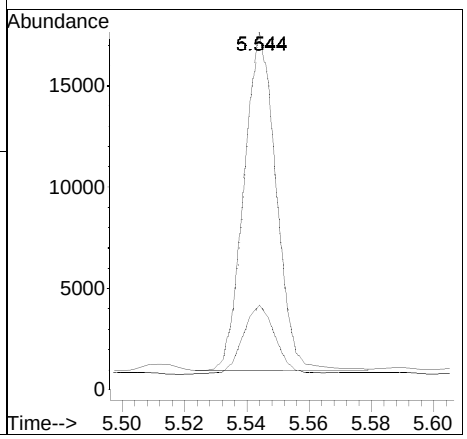


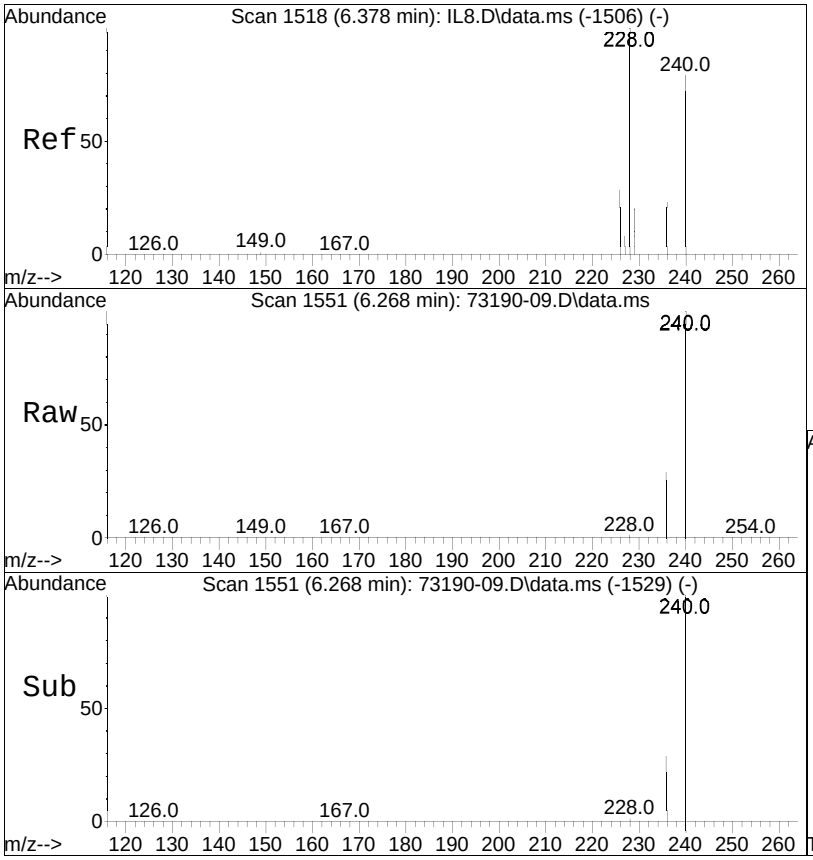


#29
Pyrene
Concen: 11.51 ng/ml
RT: 5.544 min Scan# 1317
Delta R.T. -0.006 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:202 Resp: 11832

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9

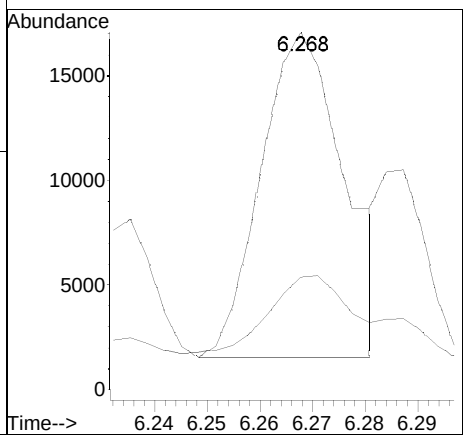


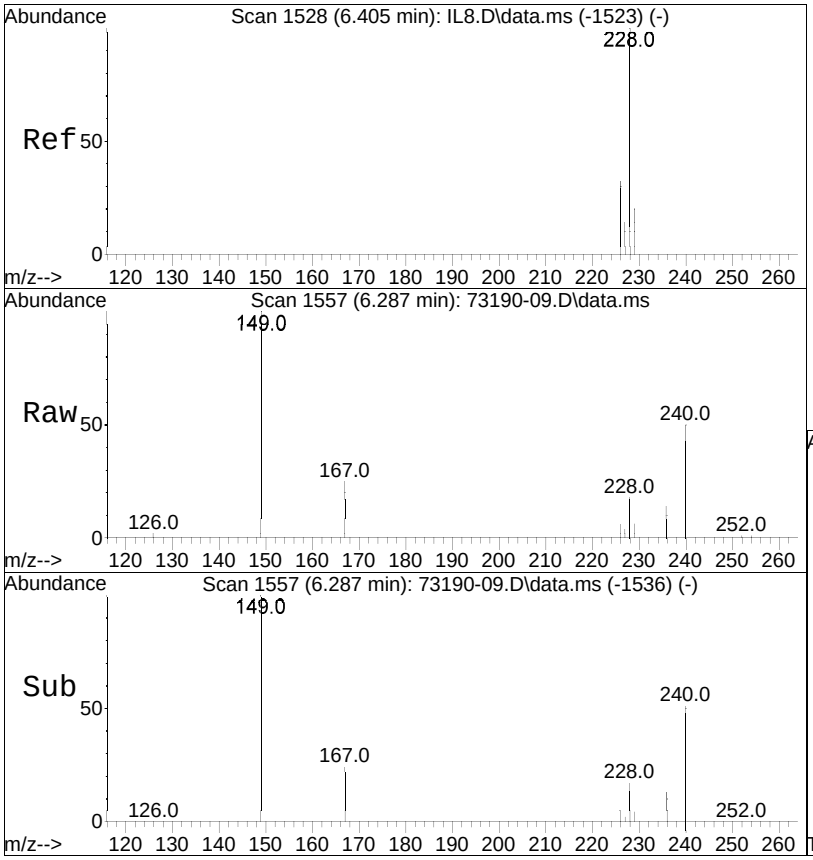


#32
Benzo[a]anthracene
Concen: 8.65 ng/ml M1
RT: 6.268 min Scan# 1551
Delta R.T. -0.010 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:228 Resp: 16931

Ion	Ratio	Lower	Upper
228	100		
229	28.7	15.9	23.9#

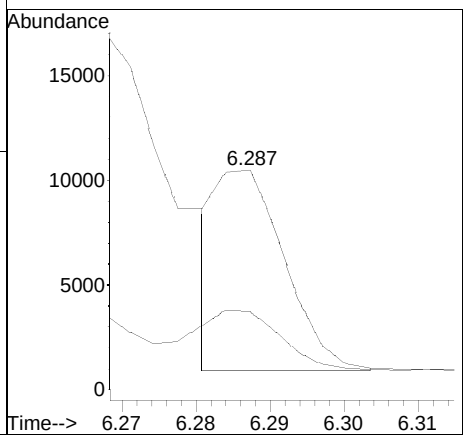


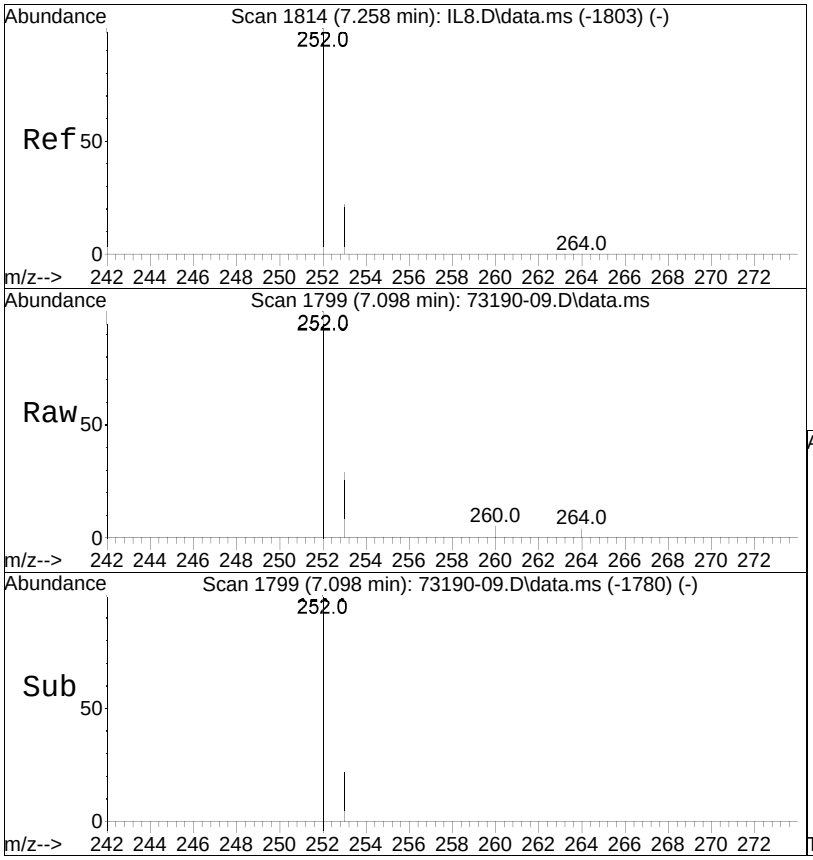


#34
Chrysene
Concen: 7.26 ng/ml M3
RT: 6.287 min Scan# 1557
Delta R.T. -0.013 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:228 Resp: 6042

Ion	Ratio	Lower	Upper
228	100		
226	41.8	25.0	37.6#

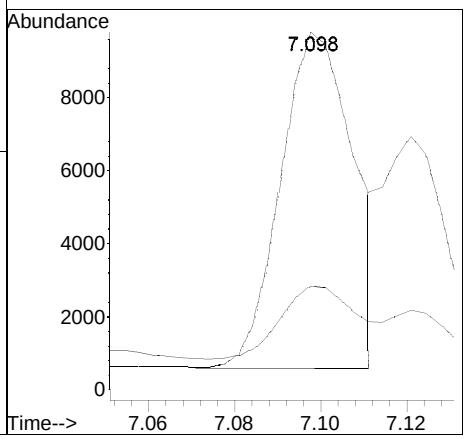


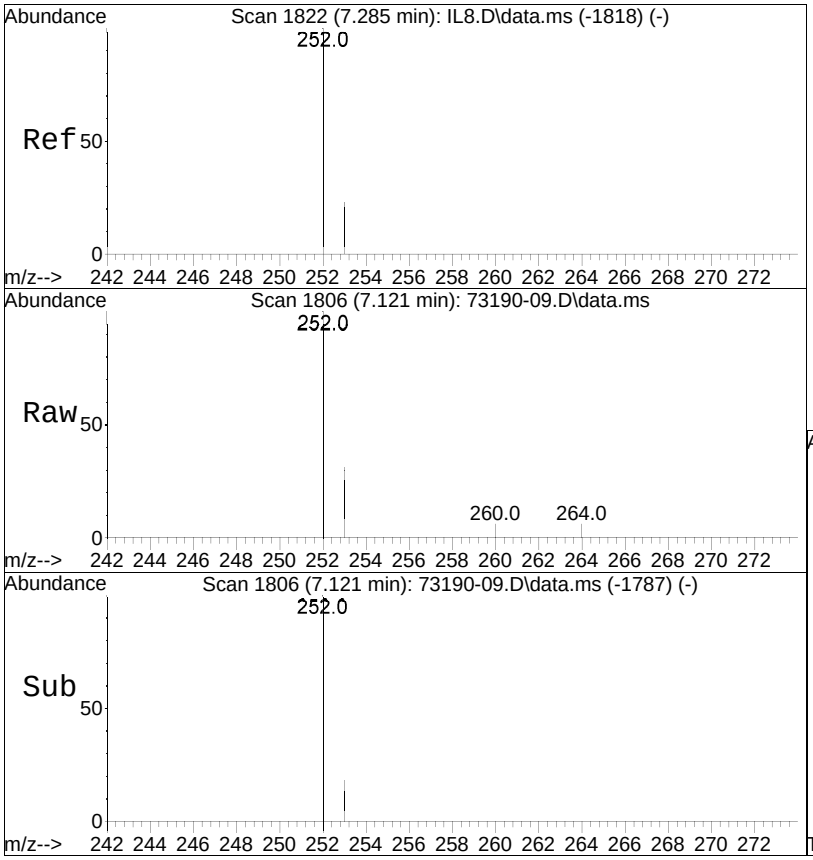


#37
Benzo[b]fluoranthene
Concen: 12.18 ng/ml
RT: 7.098 min Scan# 1799
Delta R.T. -0.017 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:252 Resp: 10754

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4

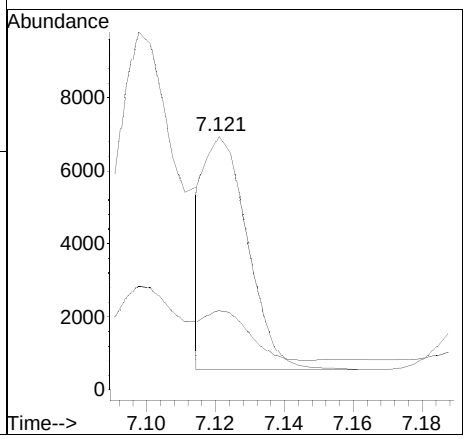


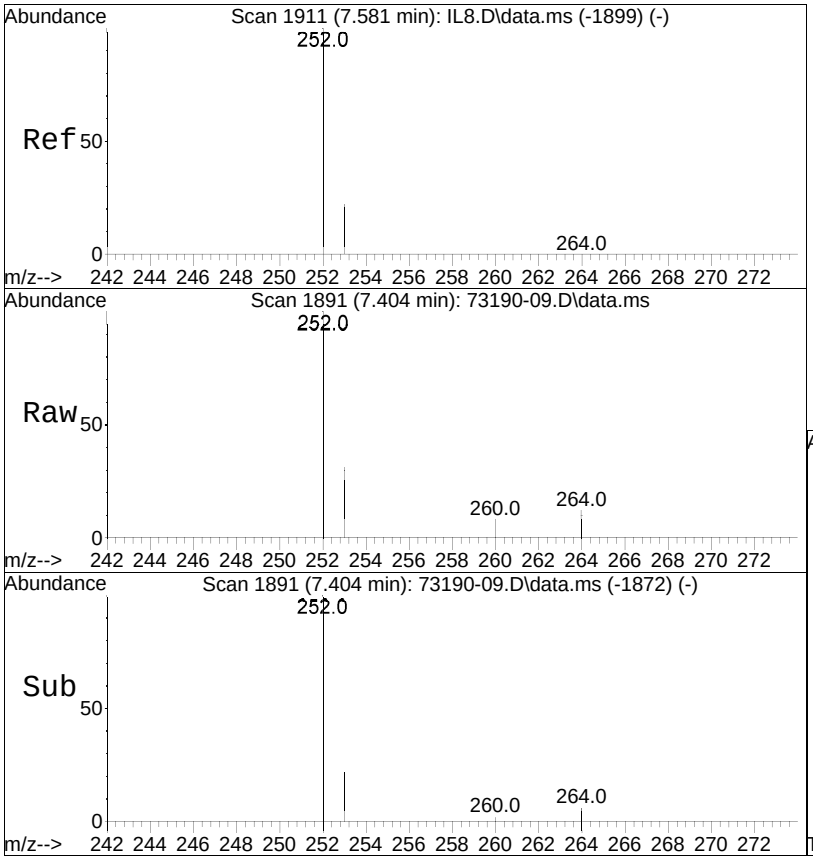


#38
Benzo[k]fluoranthene
Concen: 6.87 ng/ml
RT: 7.121 min Scan# 1806
Delta R.T. -0.017 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:252 Resp: 5544

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8

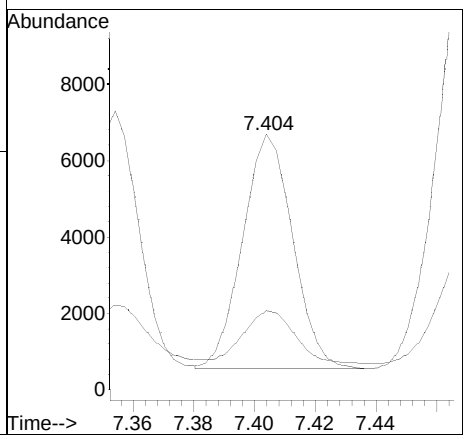


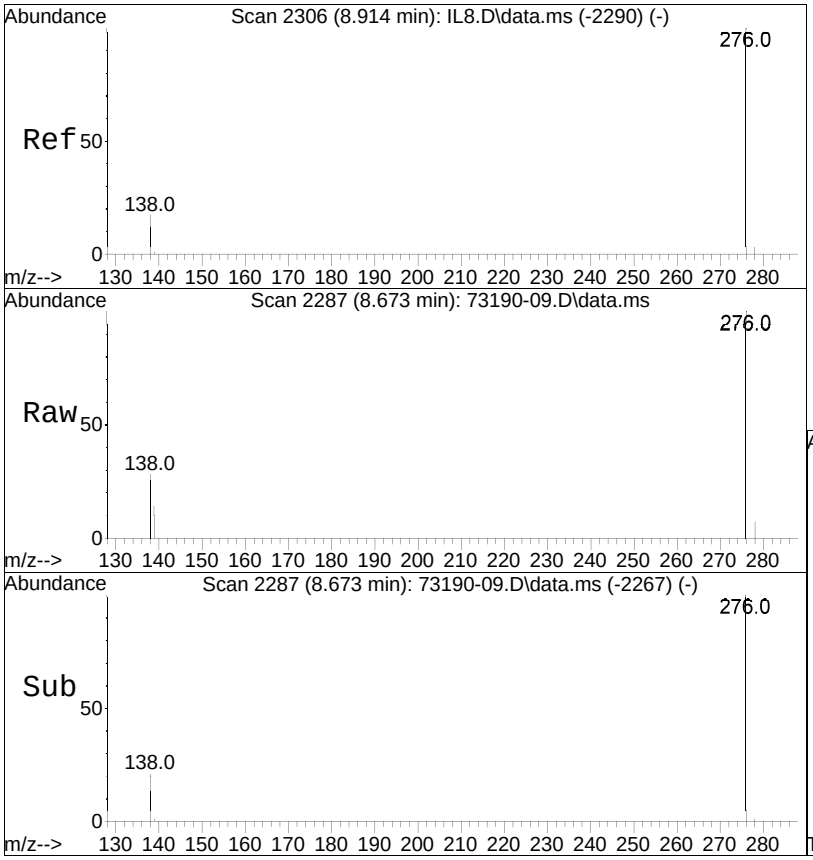


#39
Benzo[a]pyrene
Concen: 9.59 ng/ml
RT: 7.404 min Scan# 1891
Delta R.T. -0.017 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:252 Resp: 7021

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3

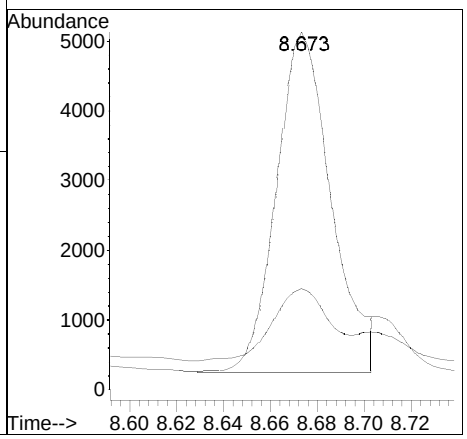


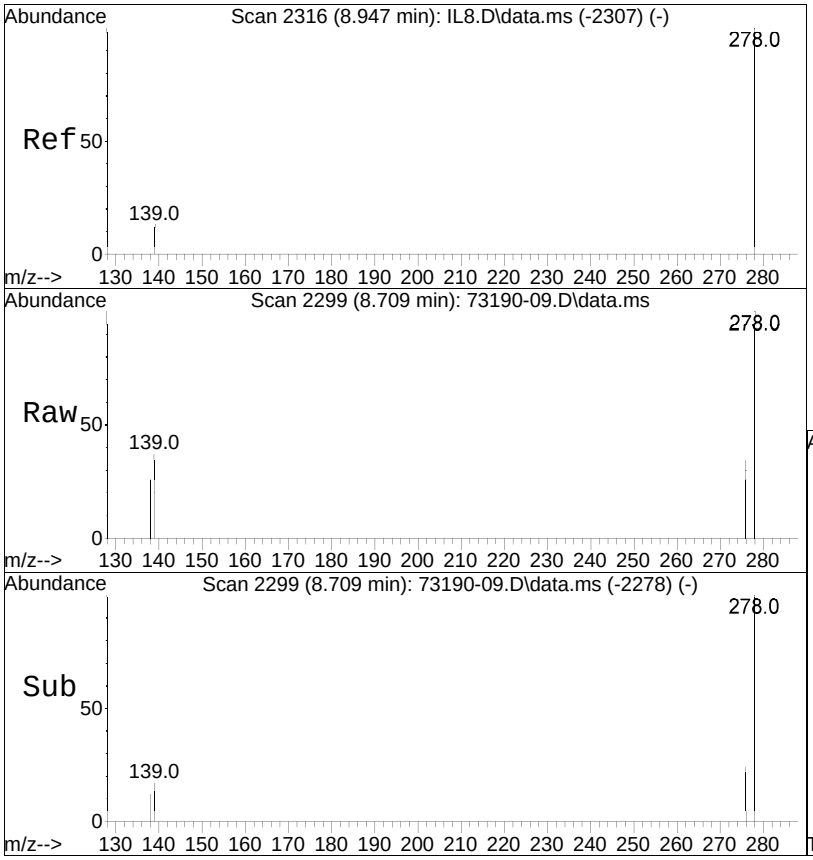


#40
Indeno[1,2,3-cd]pyrene
Concen: 9.99 ng/ml M6
RT: 8.673 min Scan# 2287
Delta R.T. -0.021 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:276 Resp: 7858

Ion	Ratio	Lower	Upper
276	100		
138	22.3	13.3	19.9#

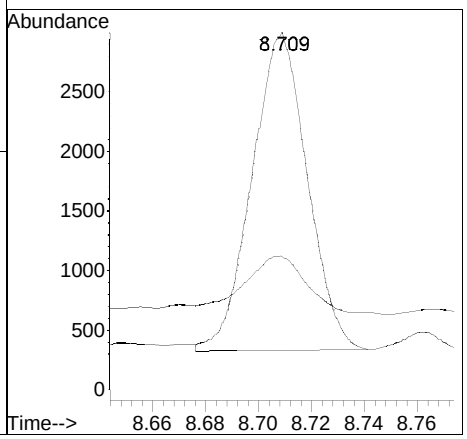


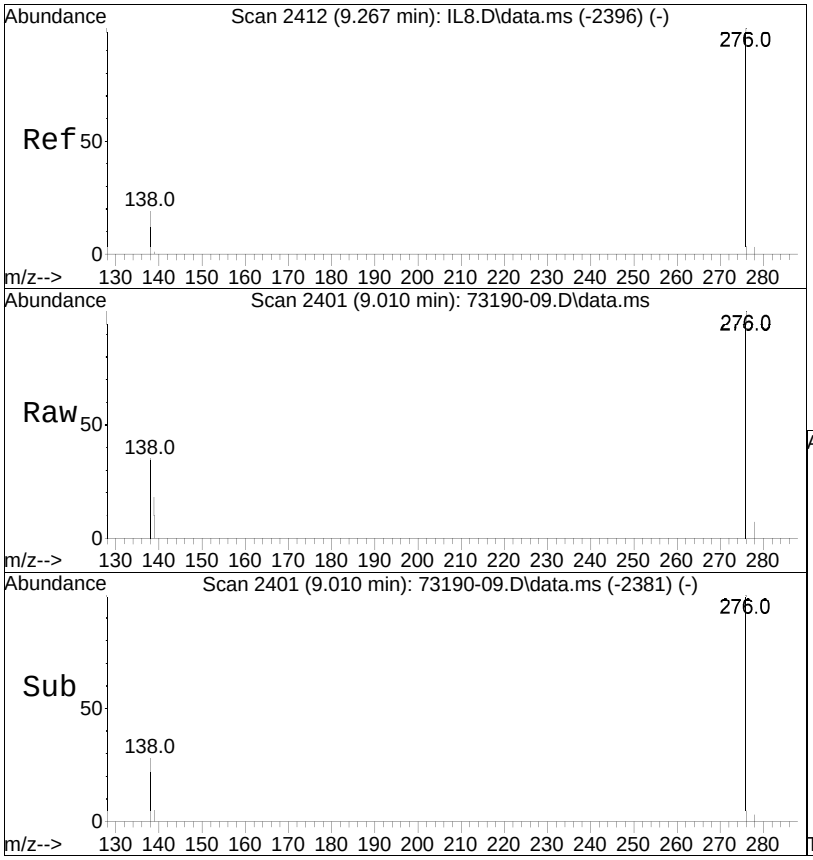


#41
Dibenzo[a,h]anthracene
Concen: 5.30 ng/ml
RT: 8.709 min Scan# 2299
Delta R.T. -0.018 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:278 Resp: 3840

Ion	Ratio	Lower	Upper
278	100		
139	21.1	11.1	16.7#

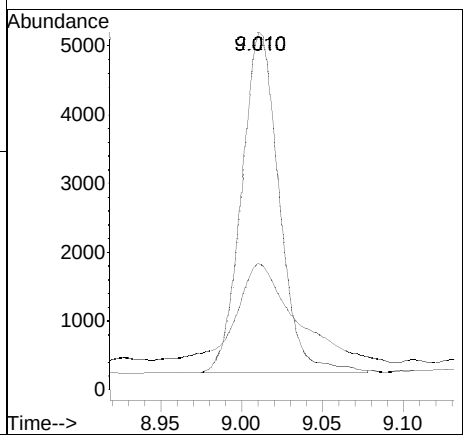




#42
Benzo[g,h,i]perylene
Concen: 10.42 ng/ml
RT: 9.010 min Scan# 2401
Delta R.T. -0.021 min
Lab File: 73190-09.D
Acq: 20 Dec 2024 12:16 am

Tgt Ion:276 Resp: 7959

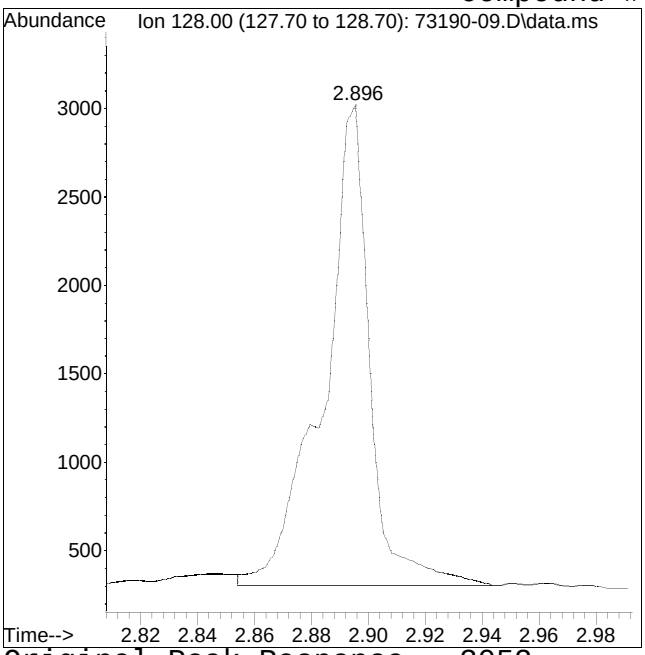
Ion	Ratio	Lower	Upper
276	100		
138	42.9	14.6	22.0#



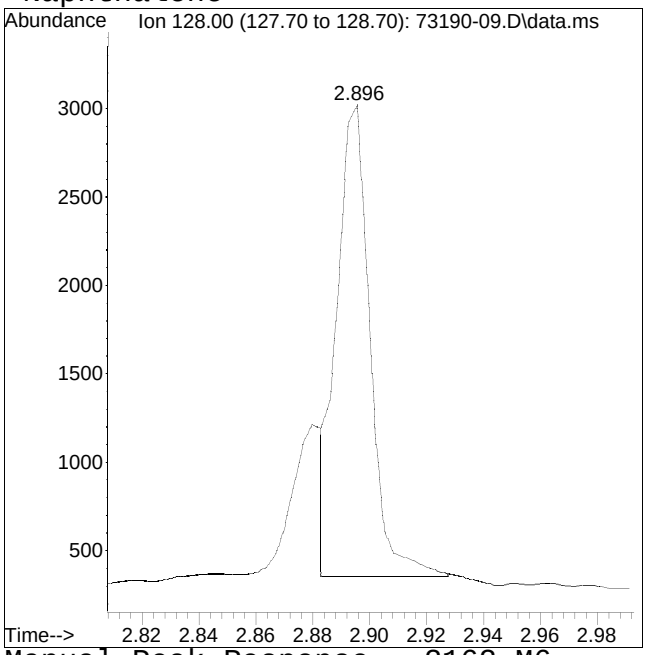
Manual Integration Report

Data Path : I:\8270SIM\SV125\241219nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-09.D Operator : SV125:slr
Date Inj'd : 12/20/2024 12:16 am Instrument : SV125
Sample : L2473190-09,32,,mrg Quant Date : 12/20/2024 0:31 am

Compound #9: Naphthalene



Original Peak Response = 3052



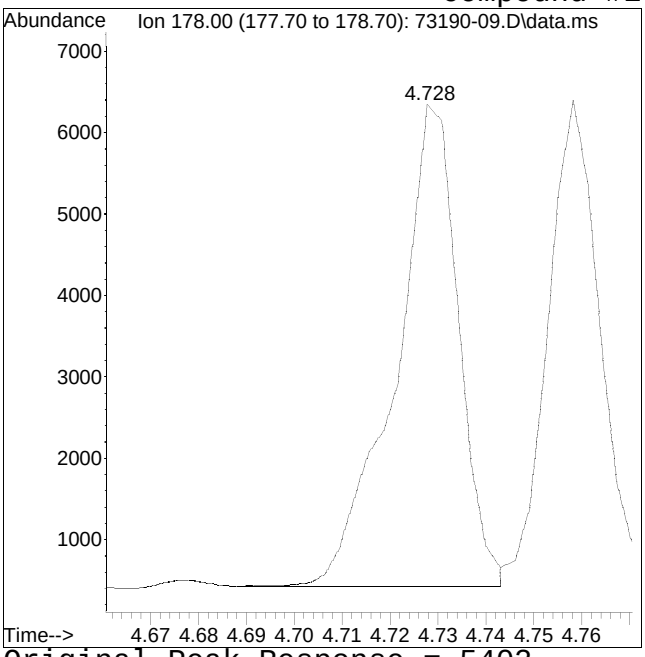
Manual Peak Response = 2162 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

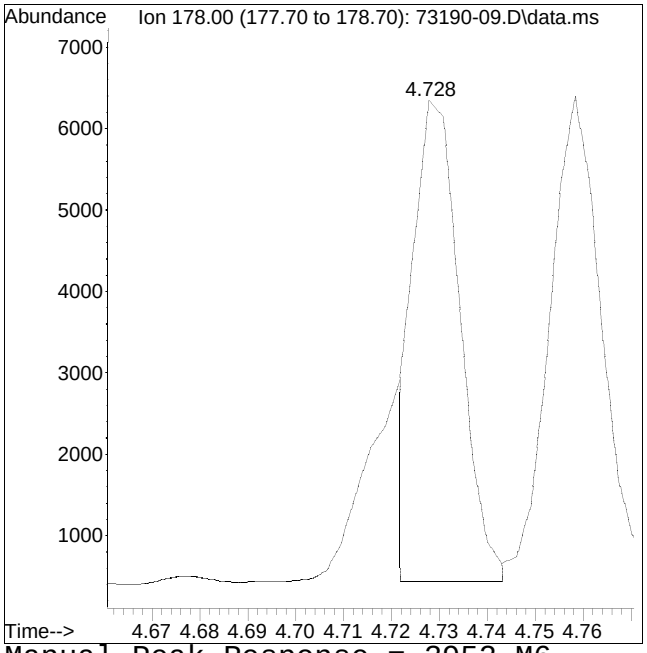
Manual Integration Report

Data Path : I:\8270SIM\SV125\241219nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-09.D Operator : SV125:slr
Date Inj'd : 12/20/2024 12:16 am Instrument : SV125
Sample : L2473190-09,32,,mrg Quant Date : 12/20/2024 0:31 am

Compound #26: Phenanthrene



Original Peak Response = 5402



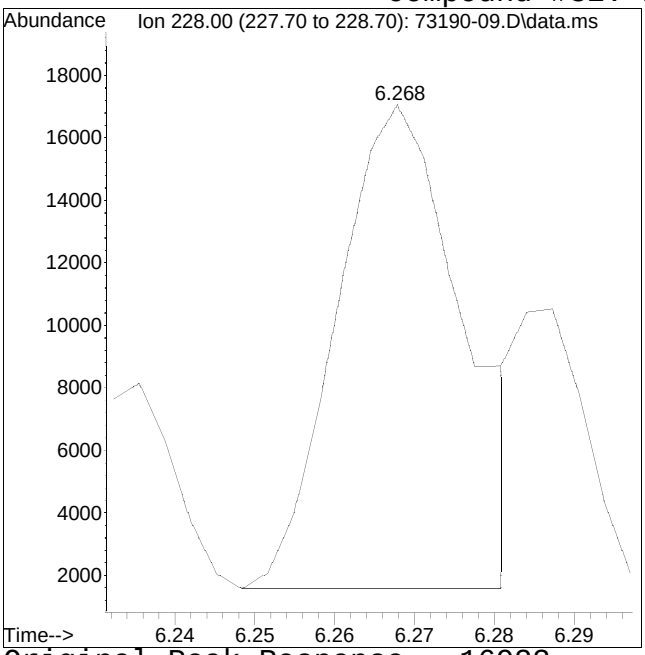
Manual Peak Response = 3952 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

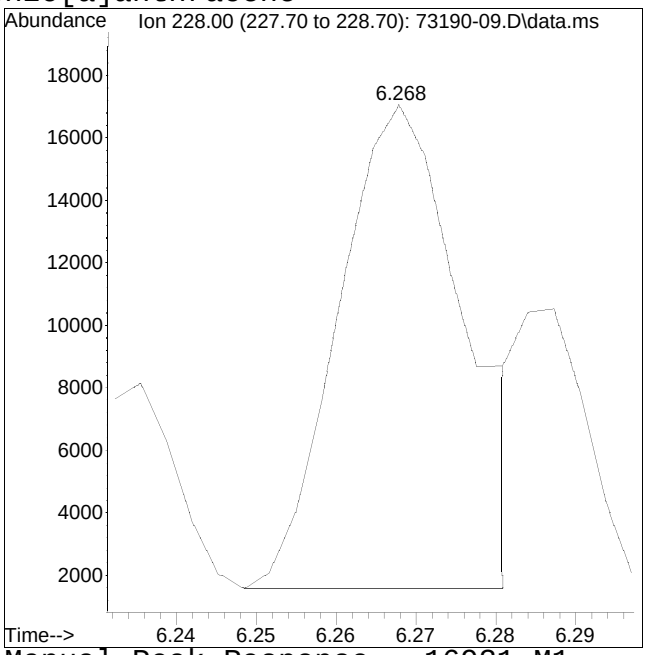
Manual Integration Report

Data Path : I:\8270SIM\SV125\241219nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-09.D Operator : SV125:slr
Date Inj'd : 12/20/2024 12:16 am Instrument : SV125
Sample : L2473190-09,32,,mrg Quant Date : 12/20/2024 0:31 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 16923



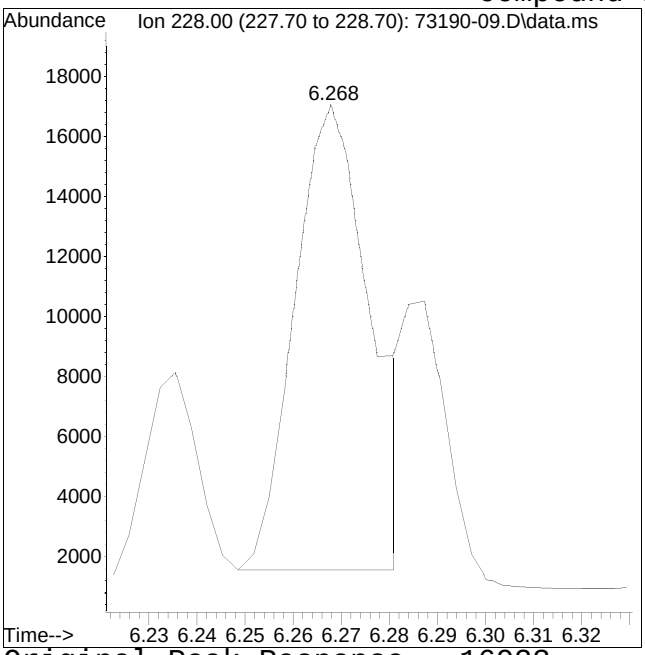
Manual Peak Response = 16931 M1

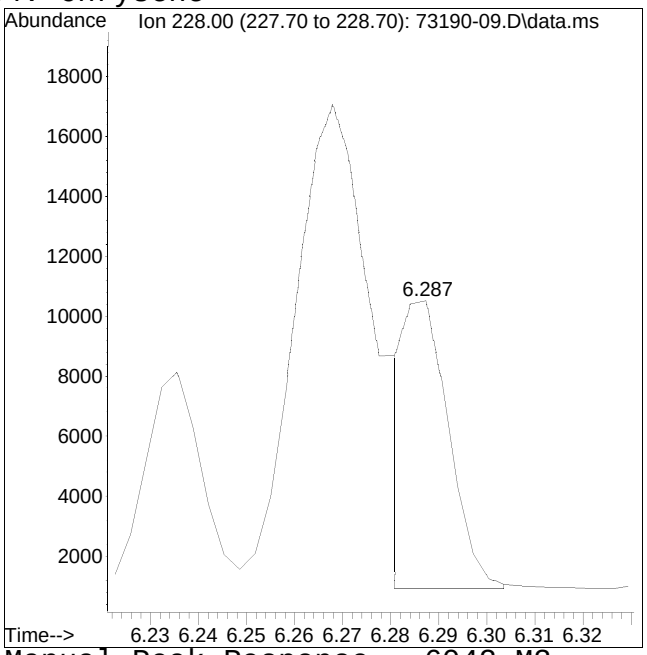
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241219nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-09.D Operator : SV125:slr
Date Inj'd : 12/20/2024 12:16 am Instrument : SV125
Sample : L2473190-09,32,,mrg Quant Date : 12/20/2024 0:31 am

Compound #34: Chrysene





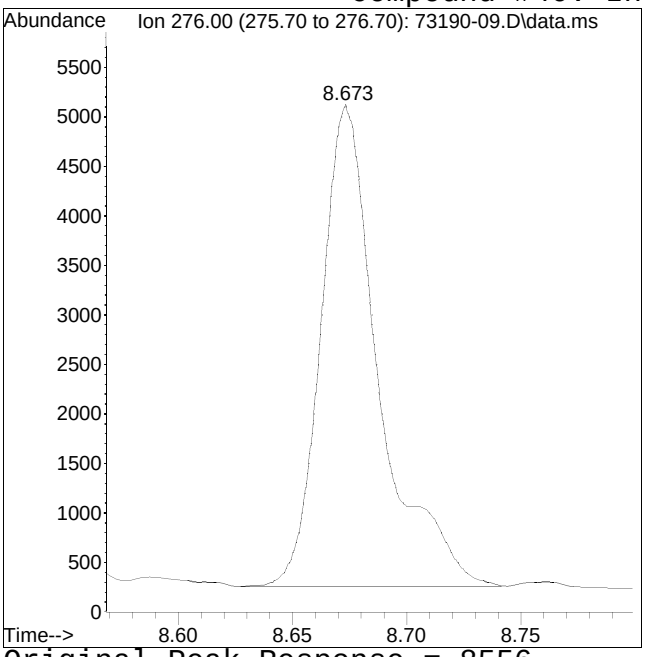
Original Peak Response = 16923 Manual Peak Response = 6042 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

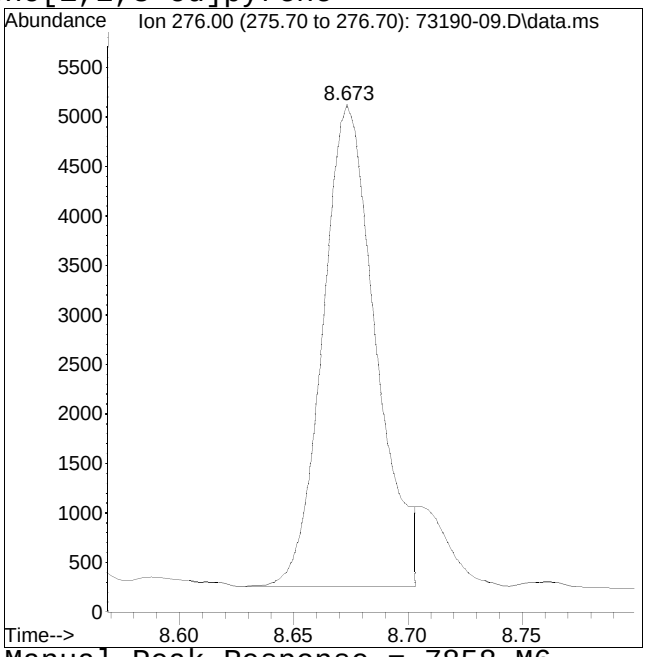
Manual Integration Report

Data Path : I:\8270SIM\SV125\241219nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 73190-09.D Operator : SV125:slr
Date Inj'd : 12/20/2024 12:16 am Instrument : SV125
Sample : L2473190-09,32,,mrg Quant Date : 12/20/2024 0:31 am

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 8556



Manual Peak Response = 7858 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21646**
Calibration dates	**: 10/25/24 16:43 10/25/24 19:21**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	s	2-Fluorophenol	1.270	1.175	1.089	1.059	1.064	1.312	1.096	1.108	1.085	1.052	1.131	8.10
3)	s	Phenol-d6		1.509	1.330	1.309	1.306	1.633	1.358	1.381	1.355	1.327	1.390	7.92
4)	T	bis(2-Chloroethyl)ether			1.283	1.212	1.202	1.983	1.201	1.208	1.190	1.160	*L	0.9949
5)	T	n-Nitrosodi-n-propylamine		0.972	0.846	0.805	0.780	1.008	0.848	0.875	0.885	0.891	0.879	8.34
6)	t	Hexachloroethane			0.513	0.478	0.470	0.588	0.493	0.501	0.493	0.479	0.502	7.46
7)	s	Nitrobenzene-d5	0.895	0.866	0.811	0.822	0.829	1.066	0.900	0.941	0.936	0.906	0.897	8.38
8)	i	Naphthalene-d8	----------ISTD----------											
9)	t	Naphthalene		1.112	1.089	1.043	1.006	1.243	1.015	1.023	0.994	0.952	1.053	8.18
10)	t	Hexachlorobutadiene				0.182	0.182	0.223	0.183	0.184	0.183	0.172	0.187	8.78
11)	t	2-Methylnaphthalene		0.712	0.668	0.642	0.636	0.795	0.663	0.669	0.655	0.631	0.674	7.59
12)	t	1-Methylnaphthalene		0.676	0.623	0.584	0.595	0.742	0.612	0.618	0.605	0.593	0.627	8.09
13)	s	2-Fluorobiphenyl	0.820	0.810	0.754	0.727	0.724	0.907	0.751	0.749	0.736	0.711	0.769	7.81
14)	t	2-Chloronaphthalene		0.710	0.674	0.633	0.636	0.799	0.667	0.673	0.657	0.643	0.677	7.62
15)	t	2,6-Dinitrotoluene			0.097	0.085	0.066	0.088	0.087	0.097	0.104	0.110	0.092	14.66
16)	t	Acenaphthylene		1.017	0.952	0.900	0.919	1.177	1.010	1.024	1.011	1.008	1.002	7.98
17)	i	Acenaphthene-d10	----------ISTD----------											
18)	t	Acenaphthene		1.383	1.336	1.259	1.239	1.560	1.270	1.270	1.254	1.197	1.308	8.35
19)	t	2,4-Dinitrotoluene					0.137	0.195	0.207	0.231	0.252	0.260	*L	0.9978
20)	t	Fluorene		1.480	1.339	1.304	1.309	1.672	1.395	1.388	1.355	1.297	1.393	8.56
21)	s	2,4,6-Tribromophenol			0.170	0.154	0.158	0.212	0.190	0.195	0.200	0.195	0.184	11.47
22)	i	Phenanthrene-d10	----------ISTD----------											
23)	T	4,6-Dinitro-o-cresol					0.028	0.041	0.042	0.047	0.051	0.053	*L	0.9972
24)	t	Hexachlorobenzene		0.291	0.258	0.254	0.248	0.316	0.259	0.259	0.253	0.234	0.263	9.34
25)	t	Pentachlorophenol				0.078	0.084	0.084	0.090	0.110	0.121	0.120	0.098	18.74
26)	t	Phenanthrene		1.200	1.109	1.049	1.039	1.303	1.054	1.045	1.020	0.953	1.086	9.71
27)	t	Anthracene		1.104	1.056	0.993	1.002	1.277	1.063	1.064	1.043	0.989	1.066	8.28
28)	t	Fluoranthene		1.303	1.185	1.128	1.144	1.474	1.235	1.200	1.147	1.123	1.216	9.30
29)	t	Pyrene		1.402	1.265	1.195	1.197	1.544	1.325	1.274	1.226	1.193	1.291	9.08
30)	s	4-Terphenyl-d14	0.927	0.861	0.807	0.746	0.766	0.981	0.824	0.790	0.755	0.727	0.818	10.09
31)	i	Chrysene-d12	----------ISTD----------											
32)	t	Benzo[a]anthracene			0.545	0.411	0.334	0.421	0.357	0.358	0.361	0.346	0.392	17.63
33)	t	3,3'-Dichlorobenzidine			0.322	0.318	0.340	0.476	0.447	0.472	0.485	0.480	0.418	18.25
34)	t	Chrysene		1.165	1.253	1.131	1.163	1.469	1.221	1.193	1.171	1.094	1.207	9.00
35)	T	bis(2-Ethylhexyl)phthalate				0.711	0.493	0.692	0.687	0.739	0.785	0.763	0.696	13.85
36)	i	Perylene-d12	----------ISTD----------											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21646**
Calibration dates	**: 10/25/24 16:43 10/25/24 19:21**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene		1.012	0.957	0.895	0.910	1.232	1.094	1.066	1.094	1.022	1.031	10.19
38) t	Benzo[k]fluoranthene		1.071	0.999	0.951	1.016	1.335	1.130	1.150	1.132	1.059	1.093	10.30
39) t	Benzo[a]pyrene		0.825	0.796	0.772	0.801	1.088	0.973	0.978	1.000	0.968	0.911	12.45
40) t	Indeno[1,2,3-cd]pyrene		0.686	0.687	0.678	0.696	0.986	0.934	0.961	0.981	1.036	0.849	18.43
41) t	Dibenzo[a,h]anthracene			0.657	0.656	0.728	1.048	0.937	0.944	0.962	0.983	0.865	18.23
42) t	Benzo[g,h,i]perylene		0.784	0.781	0.753	0.795	1.061	0.938	0.942	0.958	1.003	0.890	12.72

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21668**
Calibration dates	**: 11/05/24 07:30 11/05/24 09:57**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------												
2)	s	2-Fluorophenol	1.181	1.270	1.198	1.168	1.150	1.414	1.190	1.156	1.049	0.996	1.177	9.65	
3)	s	Phenol-d6	1.421	1.476	1.368	1.383	1.366	1.703	1.420	1.437	1.475	1.418	1.447	6.78	
4)	T	bis(2-Chloroethyl)ether				1.180	1.209	2.019	1.197	1.185	1.180	1.103	*Q	0.9949	
5)	T	n-Nitrosodi-n-propylamine			0.854	0.813	0.816	1.027	0.852	0.871	0.891	0.856	0.873	7.74	
6)	t	Hexachloroethane			0.519	0.505	0.501	0.629	0.518	0.518	0.510	0.489	0.524	8.39	
7)	s	Nitrobenzene-d5		1.243	1.235	1.219	1.224	1.533	1.264	1.279	1.280	1.217	1.277	7.74	
8)	i	Naphthalene-d8	----------ISTD----------												
9)	t	Naphthalene		1.154	1.028	0.974	0.957	1.173	0.960	0.947	0.931	0.876	1.000	10.10	
10)	t	Hexachlorobutadiene		0.205	0.193	0.186	0.183	0.223	0.185	0.182	0.179	0.169	0.189	8.32	
11)	t	2-Methylnaphthalene	0.742	0.741	0.698	0.667	0.660	0.818	0.683	0.665	0.652	0.615	0.694	8.43	
12)	t	1-Methylnaphthalene	0.669	0.683	0.649	0.619	0.615	0.762	0.623	0.606	0.597	0.563	0.639	8.75	
13)	s	2-Fluorobiphenyl	0.894	0.876	0.822	0.801	0.797	0.977	0.778	0.744	0.711	0.663	0.806	11.41	
14)	t	2-Chloronaphthalene	0.738	0.750	0.700	0.668	0.667	0.819	0.662	0.644	0.636	0.607	0.689	9.21	
15)	t	2,6-Dinitrotoluene					0.130	0.170	0.150	0.152	0.156	0.178	0.156	10.83	
16)	t	Acenaphthylene	1.010	1.049	0.959	0.925	0.938	1.190	1.000	0.977	0.969	0.920	0.994	8.04	
17)	i	Acenaphthene-d10	----------ISTD----------												
18)	t	Acenaphthene	1.347	1.308	1.174	1.193	1.153	1.415	1.141	1.136	1.136	1.070	1.207	9.18	
19)	t	2,4-Dinitrotoluene					0.256	0.367	0.337	0.352	0.361	0.342	0.336	12.13	
20)	t	Fluorene	1.402	1.403	1.274	1.250	1.256	1.565	1.273	1.266	1.229	1.146	1.306	9.07	
21)	s	2,4,6-Tribromophenol		0.150	0.143	0.137	0.146	0.193	0.166	0.167	0.170	0.163	0.159	10.79	
22)	i	Phenanthrene-d10	----------ISTD----------												
23)	T	4,6-Dinitro-o-cresol					0.068	0.099	0.102	0.111	0.123	0.121	*L	0.9983	
24)	t	Hexachlorobenzene		0.234	0.216	0.207	0.203	0.251	0.206	0.202	0.198	0.185	0.211	9.43	
25)	t	Pentachlorophenol				0.076	0.087	0.082	0.094	0.113	0.133	0.133	*Q	0.9965	
26)	t	Phenanthrene	0.797	0.930	0.897	0.967	0.944	1.205	0.973	0.954	0.959	0.906	0.953	10.75	
27)	t	Anthracene	1.028	1.011	0.975	0.933	0.932	1.179	0.975	0.972	0.964	0.894	0.986	7.91	
28)	t	Fluoranthene	1.259	1.192	1.089	1.028	1.038	1.304	1.063	1.044	1.018	0.943	1.098	10.54	
29)	t	Pyrene	1.281	1.229	1.126	1.073	1.071	1.358	1.099	1.079	1.035	0.970	1.132	10.60	
30)	s	4-Terphenyl-d14		0.798	0.747	0.717	0.726	0.897	0.706	0.694	0.652	0.610	0.727	11.42	
31)	i	Chrysene-d12	----------ISTD----------												
32)	t	Benzo[a]anthracene	1.294	0.717	0.357	0.229	0.142	0.152	0.126	0.121	0.126	0.120	*L	0.9993	
33)	t	3,3'-Dichlorobenzidine					0.345	0.479	0.427	0.443	0.462	0.437	0.432	10.74	
34)	t	Chrysene	0.685	0.988	0.996	1.070	1.064	1.415	1.128	1.138	1.086	1.020	1.059	16.93	
35)	T	bis(2-Ethylhexyl)phthalate					0.540	0.722	0.670	0.719	0.806	0.789	0.708	13.59	
36)	i	Perylene-d12	----------ISTD----------												

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21668**
Calibration dates	**: 11/05/24 07:30 11/05/24 09:57**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.252	1.299	1.184	1.114	1.162	1.380	1.210	1.168	1.203	1.165	1.214	6.42
38) t	Benzo[k]fluoranthene	1.121	1.055	1.039	1.002	0.950	1.351	1.152	1.129	1.123	0.990	1.091	10.44
39) t	Benzo[a]pyrene	0.971	0.979	0.914	0.884	0.897	1.184	1.039	1.022	1.055	0.995	0.994	8.96
40) t	Indeno[1,2,3-cd]pyrene	0.987	1.003	0.945	0.921	0.931	1.205	1.059	1.033	1.046	1.036	1.017	8.15
41) t	Dibenzo[a,h]anthracene	0.936	0.951	0.893	0.882	0.912	1.198	0.992	0.963	0.922	0.900	0.955	9.59
42) t	Benzo[g,h,i]perylene	0.998	0.996	0.941	0.929	0.931	1.196	1.007	0.990	0.959	0.924	0.987	8.11

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV125**	**Ical Ref**	**: ICAL21676**
Calibration dates	**: 11/05/24 11:10 11/05/24 13:36**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------												
2)	s	2-Fluorophenol		1.171	1.079	1.033	1.039	1.272	1.059	1.047	1.013	0.960	1.075	8.64	
3)	s	Phenol-d6		1.708	1.432	1.229	1.242	1.546	1.278	1.301	1.272	1.234	1.360	12.35	
4)	T	bis(2-Chloroethyl)ether				1.155	1.133	1.826	1.149	1.054	1.084	1.022		*Q	0.9951
5)	T	n-Nitrosodi-n-propylamine			0.761	0.701	0.714	0.902	0.757	0.802	0.793	0.767	0.775	8.00	
6)	t	Hexachloroethane			0.504	0.517	0.486	0.600	0.488	0.488	0.481	0.458	0.503	8.54	
7)	s	Nitrobenzene-d5		1.100	1.092	1.096	1.092	1.402	1.156	1.192	1.164	1.128	1.158	8.49	
8)	i	Naphthalene-d8	----------ISTD----------												
9)	t	Naphthalene		1.272	1.069	1.068	1.040	1.284	1.023	1.035	0.980	0.895	1.074	11.86	
10)	t	Hexachlorobutadiene			0.226	0.214	0.216	0.266	0.214	0.215	0.210	0.197	0.220	9.35	
11)	t	2-Methylnaphthalene	0.777	0.747	0.717	0.691	0.705	0.871	0.697	0.715	0.683	0.638	0.724	8.78	
12)	t	1-Methylnaphthalene	0.741	0.717	0.654	0.656	0.657	0.804	0.648	0.661	0.633	0.595	0.677	8.94	
13)	s	2-Fluorobiphenyl		0.939	0.900	0.890	0.883	1.091	0.857	0.869	0.819	0.760	0.890	10.24	
14)	t	2-Chloronaphthalene		0.800	0.758	0.726	0.737	0.923	0.734	0.753	0.717	0.677	0.758	9.23	
15)	t	2,6-Dinitrotoluene					0.138	0.183	0.167	0.184	0.184	0.183	0.173	10.65	
16)	t	Acenaphthylene	1.122	1.085	1.013	0.982	1.001	1.283	1.076	1.124	1.078	1.001	1.076	8.28	
17)	i	Acenaphthene-d10	----------ISTD----------												
18)	t	Acenaphthene	1.423	1.406	1.284	1.233	1.244	1.541	1.237	1.229	1.200	1.096	1.289	10.07	
19)	t	2,4-Dinitrotoluene					0.270	0.395	0.381	0.401	0.409	0.402	0.376	14.12	
20)	t	Fluorene	1.601	1.513	1.385	1.382	1.343	1.696	1.397	1.381	1.322	1.214	1.423	9.94	
21)	s	2,4,6-Tribromophenol		0.191	0.167	0.168	0.184	0.262	0.238	0.246	0.251	0.246	0.217	17.86	
22)	i	Phenanthrene-d10	----------ISTD----------												
23)	T	4,6-Dinitro-o-cresol					0.064	0.101	0.106	0.123	0.128	0.126		*L	0.9990
24)	t	Hexachlorobenzene		0.289	0.252	0.245	0.251	0.311	0.250	0.250	0.240	0.221	0.256	10.48	
25)	t	Pentachlorophenol				0.037	0.057	0.077	0.103	0.134	0.154			*Q	0.9973
26)	t	Phenanthrene	1.231	1.248	1.107	1.110	1.054	1.333	1.058	1.055	0.989	0.869	1.105	12.24	
27)	t	Anthracene	1.193	1.129	1.055	0.962	1.005	1.277	1.056	1.073	1.009	0.884	1.064	10.67	
28)	t	Fluoranthene	1.489	1.364	1.244	1.164	1.189	1.535	1.258	1.253	1.171	1.029	1.270	12.14	
29)	t	Pyrene	1.686	1.439	1.291	1.221	1.231	1.586	1.325	1.322	1.228	1.090	1.342	13.46	
30)	s	4-Terphenyl-d14	1.150	1.028	0.897	0.846	0.864	1.101	0.888	0.881	0.819	0.749	0.922	13.91	
31)	i	Chrysene-d12	----------ISTD----------												
32)	t	Benzo[a]anthracene	1.366	0.746	0.380	0.235	0.144	0.157	0.127	0.127	0.125	0.116		*L	0.9982
33)	t	3,3'-Dichlorobenzidine					0.348	0.479	0.439	0.485	0.480	0.460	0.448	11.61	
34)	t	Chrysene	0.886	0.993	1.006	1.148	1.182	1.489	1.241	1.215	1.144	1.018	1.132	14.96	
35)	T	bis(2-Ethylhexyl)phthalate					0.487	0.643	0.625	0.688	0.740	0.704	0.648	13.76	
36)	i	Perylene-d12	----------ISTD----------												

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: AKRF, Inc.**	**Lab Number**	**: L2473190**
Project Name	**: AVALON SITE-PCW**	**Project Number**	**: 180017**
Instrument ID	**: SV125**	**Ical Ref**	**: ICAL21676**
Calibration dates	**: 11/05/24 11:10 11/05/24 13:36**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.148	1.122	1.089	0.975	1.018	1.341	1.160	1.136	1.085	1.057	1.113	8.92
38) t	Benzo[k]fluoranthene	0.995	0.924	0.940	0.969	0.932	1.245	1.054	1.059	1.090	0.963	1.017	9.71
39) t	Benzo[a]pyrene	0.973	0.847	0.828	0.796	0.816	1.090	0.958	0.984	0.996	0.944	0.923	10.42
40) t	Indeno[1,2,3-cd]pyrene	1.020	0.918	0.899	0.852	0.860	1.162	1.011	1.039	1.057	1.097	0.991	10.56
41) t	Dibenzo[a,h]anthracene	0.831	0.841	0.815	0.785	0.807	1.108	0.964	0.970	1.015	0.996	0.913	12.11
42) t	Benzo[g,h,i]perylene	1.009	0.923	0.859	0.836	0.860	1.133	0.991	0.991	1.016	1.015	0.963	9.62

Response Factor Report SV118

Method Path : I:\8270SIM\SV118\2024\241025RVTical\
Method File : SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 13:34:41 2024
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

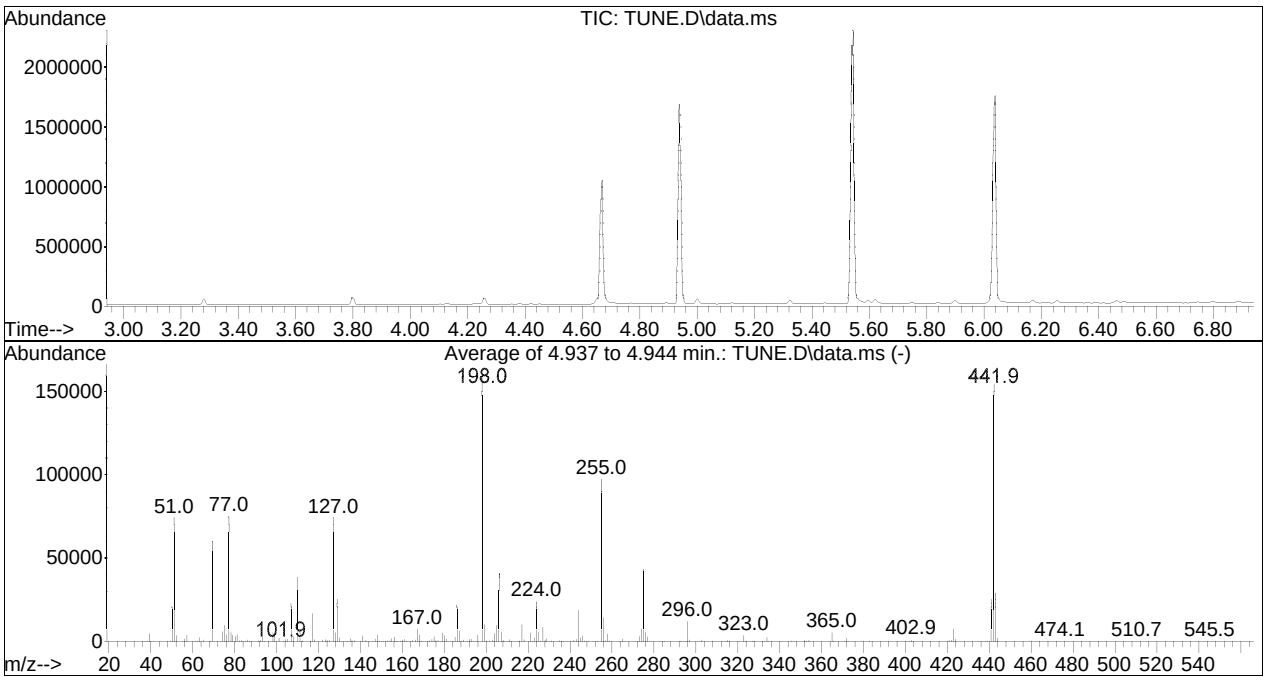
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.270	1.175	1.089	1.059	1.064	1.312	1.096	1.108	1.085	1.052	1.131	8.10
3)	s	Phenol-d6		1.509	1.330	1.309	1.306	1.633	1.358	1.381	1.355	1.327	1.390	7.92
4)	T	bis(2-Chloroethyl)ether			1.283	1.212	1.202	1.983	1.201	1.208	1.190	1.160	*L	0.9949
5)	T	n-Nitrosodi-n-propylamine		0.972	0.846	0.805	0.780	1.008	0.848	0.875	0.885	0.891	0.879	8.34
6)	t	Hexachloroethane			0.513	0.478	0.470	0.588	0.493	0.501	0.493	0.479	0.502	7.46
7)	s	Nitrobenzene-d5	0.895	0.866	0.811	0.822	0.829	1.066	0.900	0.941	0.936	0.906	0.897	8.38
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.112	1.089	1.043	1.006	1.243	1.015	1.023	0.994	0.952	1.053	8.18
10)	t	Hexachlorobutadiene				0.182	0.182	0.223	0.183	0.184	0.183	0.172	0.187	8.78
11)	t	2-Methylnaphthalene		0.712	0.668	0.642	0.636	0.795	0.663	0.669	0.655	0.631	0.674	7.59
12)	t	1-Methylnaphthalene		0.676	0.623	0.584	0.595	0.742	0.612	0.618	0.605	0.593	0.627	8.09
13)	s	2-Fluorobiphenyl	0.820	0.810	0.754	0.727	0.724	0.907	0.751	0.749	0.736	0.711	0.769	7.81
14)	t	2-Chloronaphthalene		0.710	0.674	0.633	0.636	0.799	0.667	0.673	0.657	0.643	0.677	7.62
15)	t	2,6-Dinitrotoluene			0.097	0.085	0.066	0.088	0.087	0.097	0.104	0.110	0.092	14.66
16)	t	Acenaphthylene		1.017	0.952	0.900	0.919	1.177	1.010	1.024	1.011	1.008	1.002	7.98
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene		1.383	1.336	1.259	1.239	1.560	1.270	1.270	1.254	1.197	1.308	8.35
19)	t	2,4-Dinitrotoluene					0.137	0.195	0.207	0.231	0.252	0.260	*L	0.9978
20)	t	Fluorene		1.480	1.339	1.304	1.309	1.672	1.395	1.388	1.355	1.297	1.393	8.56
21)	s	2,4,6-Tribromophenol			0.170	0.154	0.158	0.212	0.190	0.195	0.200	0.195	0.184	11.47
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.028	0.041	0.042	0.047	0.051	0.053	*L	0.9972
24)	t	Hexachlorobenzene		0.291	0.258	0.254	0.248	0.316	0.259	0.259	0.253	0.234	0.263	9.34
25)	t	Pentachlorophenol				0.078	0.084	0.084	0.090	0.110	0.121	0.120	0.098	18.74
26)	t	Phenanthrene		1.200	1.109	1.049	1.039	1.303	1.054	1.045	1.020	0.953	1.086	9.71
27)	t	Anthracene		1.104	1.056	0.993	1.002	1.277	1.063	1.064	1.043	0.989	1.066	8.28
28)	t	Fluoranthene		1.303	1.185	1.128	1.144	1.474	1.235	1.200	1.147	1.123	1.216	9.30
29)	t	Pyrene		1.402	1.265	1.195	1.197	1.544	1.325	1.274	1.226	1.193	1.291	9.08
30)	s	4-Terphenyl-d14	0.927	0.861	0.807	0.746	0.766	0.981	0.824	0.790	0.755	0.727	0.818	10.09
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene			0.545	0.411	0.334	0.421	0.357	0.358	0.361	0.346	0.392	17.63
33)	t	3,3'-Dichlorobenzidine			0.322	0.318	0.340	0.476	0.447	0.472	0.485	0.480	0.418	18.25
34)	t	Chrysene		1.165	1.253	1.131	1.163	1.469	1.221	1.193	1.171	1.094	1.207	9.00
35)	T	bis(2-Ethylhexyl)phthalate				0.711	0.493	0.692	0.687	0.739	0.785	0.763	0.696	13.85
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...		1.012	0.957	0.895	0.910	1.232	1.094	1.066	1.094	1.022	1.031	10.19
38)	t	Benzo[k]fluora...		1.071	0.999	0.951	1.016	1.335	1.130	1.150	1.132	1.059	1.093	10.30
39)	t	Benzo[a]pyrene		0.825	0.796	0.772	0.801	1.088	0.973	0.978	1.000	0.968	0.911	12.45
40)	t	Indeno[1,2,3-c...		0.686	0.687	0.678	0.696	0.986	0.934	0.961	0.981	1.036	0.849	18.43
41)	t	Dibenzo[a,h]anthracene			0.657	0.656	0.728	1.048	0.937	0.944	0.962	0.983	0.865	18.23
42)	t	Benzo[g,h,i]pe...		0.784	0.781	0.753	0.795	1.061	0.938	0.942	0.958	1.003	0.890	12.72

(#) = Out of Range

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\241025RVTical\SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Oct 28 11:02:57 2024



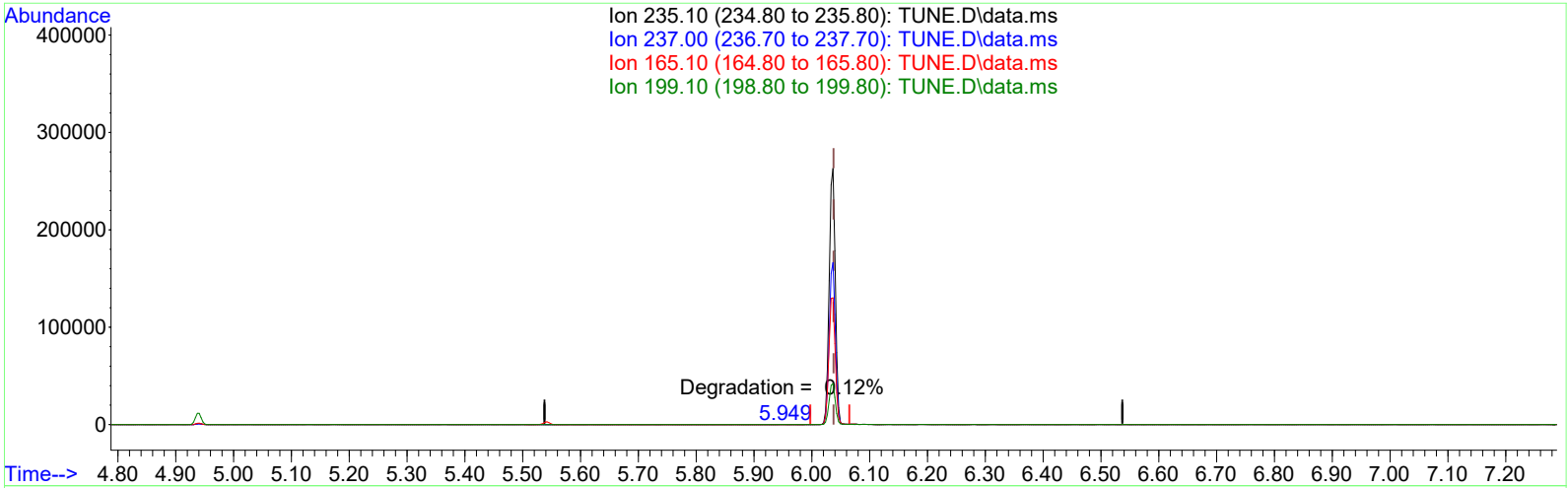
Spectrum Information: Average of 4.937 to 4.944 min.

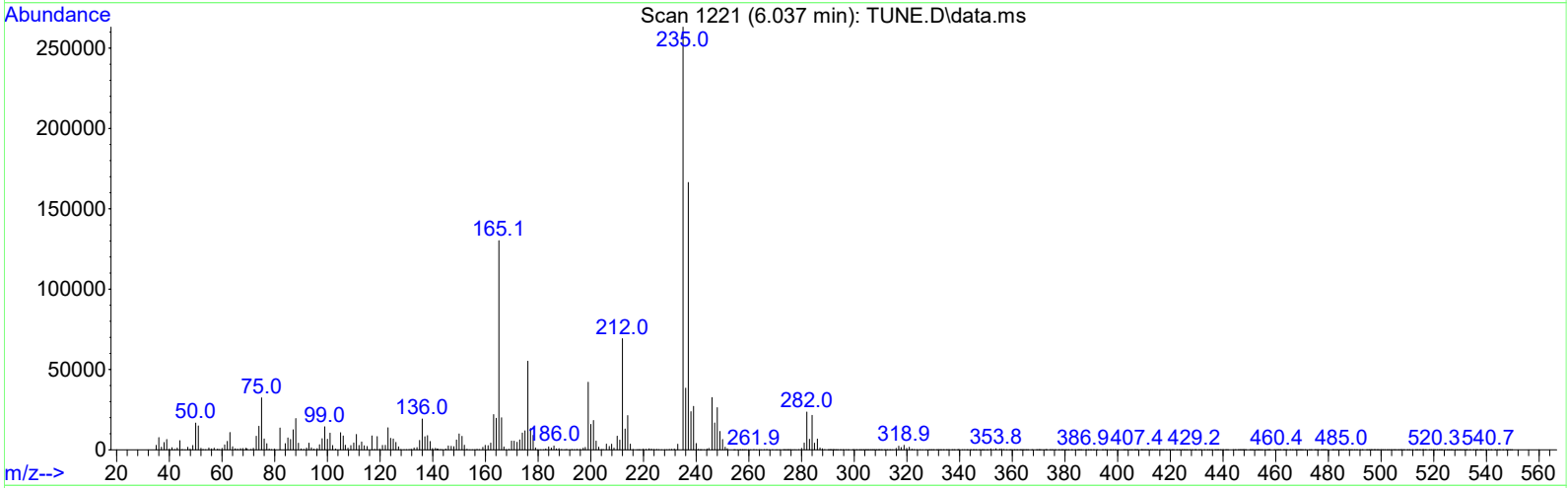
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.8	74020	PASS
68	69	0.00	2	1.4	853	PASS
69	69	100	100	100.0	59993	PASS
70	69	0.00	2	0.5	296	PASS
127	198	10	80	46.9	74182	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	158117	PASS
199	198	5	9	6.4	10110	PASS
275	198	10	60	27.3	43133	PASS
365	198	1	100	3.5	5542	PASS
441	442	0.01	24	16.3	25171	PASS
442	198	50	100	97.8	154617	PASS
443	442	15	24	18.4	28480	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 25 16:38:42 2024
Quant Method : I:\8270SIM\SV118\241025RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

6.037min (-0.001) 31.91

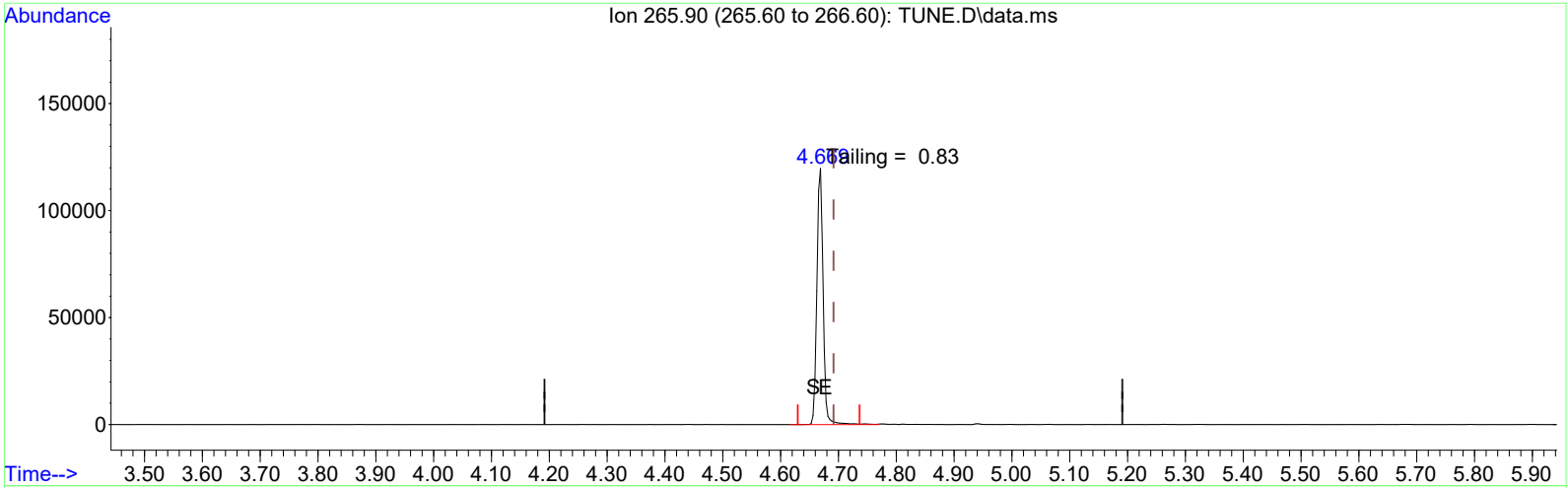
response 194534

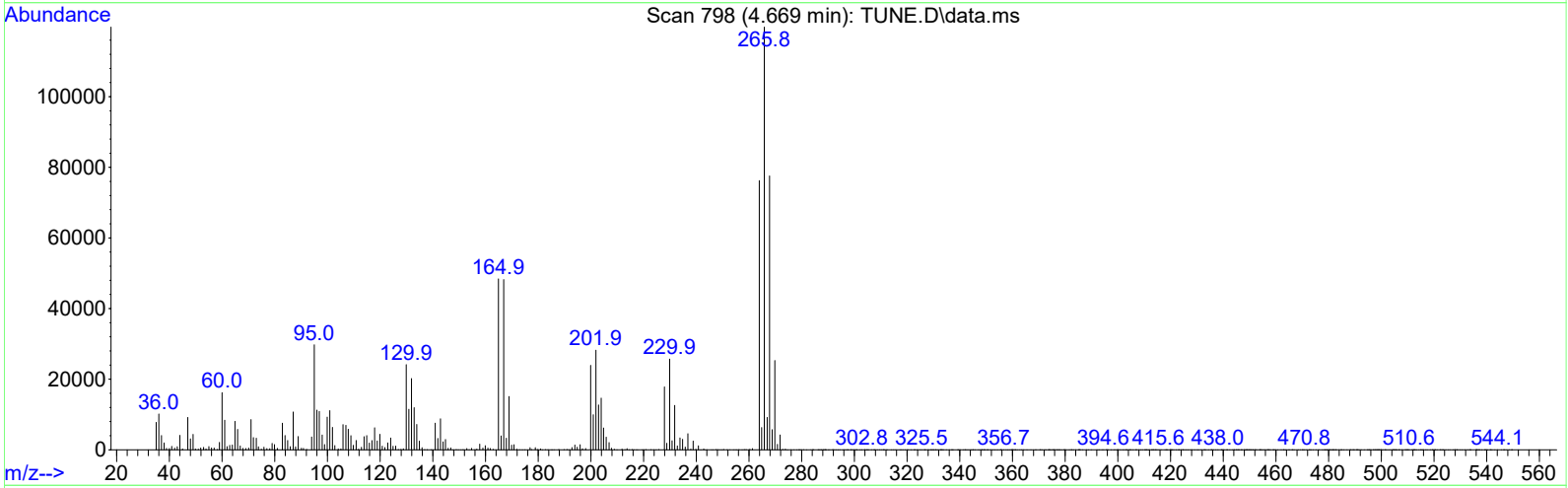
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.13
165.10	53.30	51.51
199.10	17.10	16.52

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 25 16:38:42 2024
Quant Method : I:\8270SIM\SV118\241025RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.669min (-0.023) 42.64

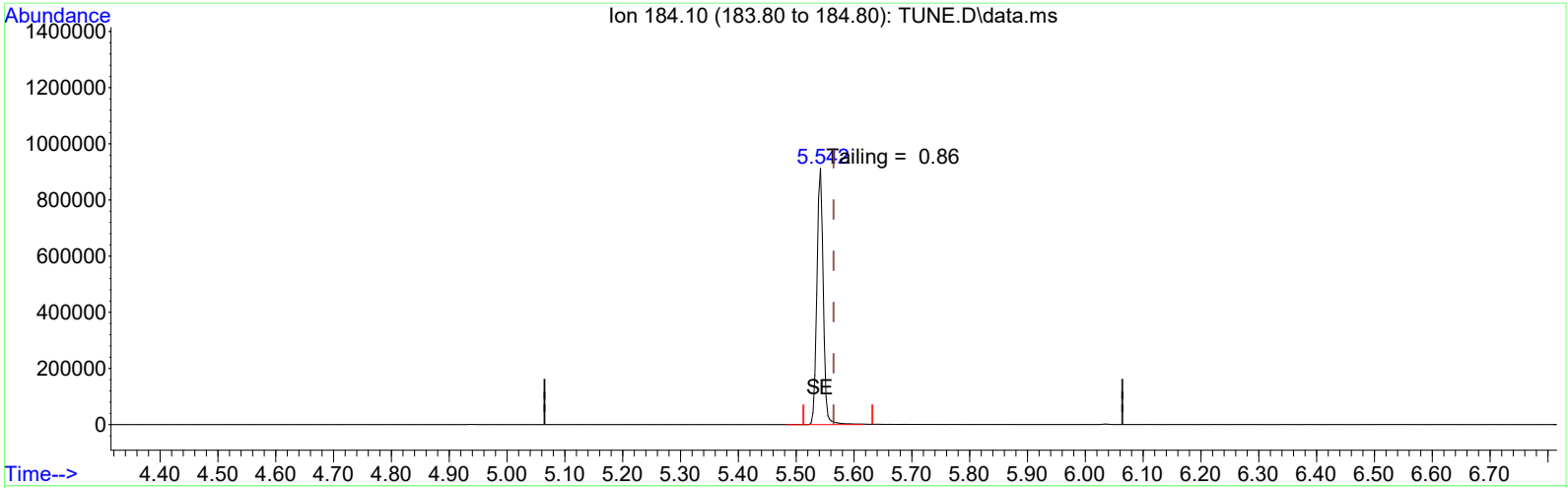
response 89553

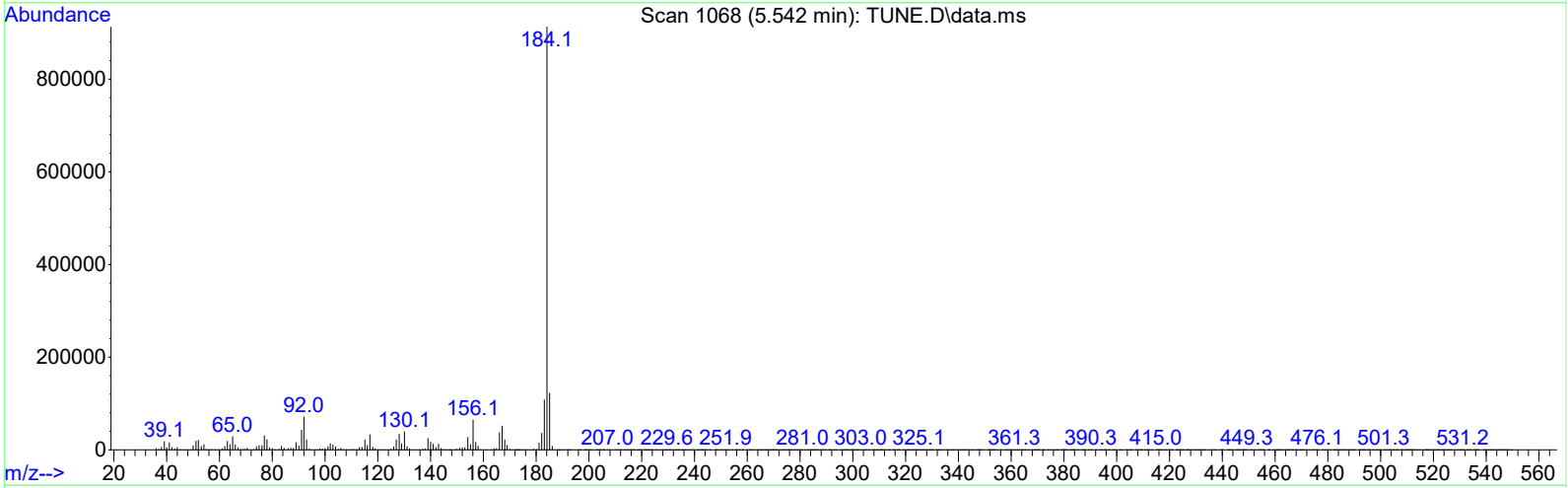
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 25 16:38:42 2024
Quant Method : I:\8270SIM\SV118\241025RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.542min (-0.023) 68.94

response 701846

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L10.D
Acq On : 25 Oct 2024 04:43 pm
Operator : SV118:dv
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 11:31:59 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.262	152	273610	4000.000	ng/ml	-0.02
Standard Area 1 = 429824			Recovery = 63.66%			
8) Naphthalene-d8	2.931	136	1052589	4000.000	ng/ml	-0.02
Standard Area 1 = 1574353			Recovery = 66.86%			
17) Acenaphthene-d10	3.909	164	607344	4000.000	ng/ml	-0.01
Standard Area 1 = 863987			Recovery = 70.30%			
22) Phenanthrene-d10	4.740	188	1279022	4000.000	ng/ml	#-0.01
Standard Area 1 = 1755380			Recovery = 72.86%			
31) Chrysene-d12	6.295	240	1289394	4000.000	ng/ml	0.02
Standard Area 1 = 1692718			Recovery = 76.17%			
36) Perylene-d12	7.502	264	1486855	4000.000	ng/ml	0.02
Standard Area 1 = 1795203			Recovery = 82.82%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.662	112	359695	4649.748	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 232.49%#			
3) Phenol-d6	2.068	99	453927	4775.295	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 238.76%#			
7) Nitrobenzene-d5	2.546	82	309967	5050.754	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 505.08%#			
13) 2-Fluorobiphenyl	3.530	172	936039	4624.936	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 462.49%#			
21) 2,4,6-Tribromophenol	4.351	330	148240	5296.959	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 264.85%#			
30) 4-Terphenyl-d14	5.653	244	1162453M3	4441.981	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 444.20%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.126	93	396660	4902.845	ng/ml	97
5) n-nitrosodi-n-propylamine	2.467	70	304708	5068.438	ng/ml	97
6) Hexachloroethane	2.526	117	163904	4774.624	ng/ml	86
9) Naphthalene	2.942	128	1252671	4520.926	ng/ml	100
10) Hexachlorobutadiene	3.017	225	226740	4610.515	ng/ml	99
11) 2-Methylnaphthalene	3.322	142	830608	4680.100	ng/ml	98
12) 1-Methylnaphthalene	3.380	142	779655	4721.990	ng/ml	99
14) 2-Chloronaphthalene	3.595	162	845821	4748.437	ng/ml#	87
15) 2,6-Dinitrotoluene	3.789	165	144391	5989.056	ng/ml#	85
16) Acenaphthylene	3.829	152	1326492	5030.460	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L10.D
Acq On : 25 Oct 2024 04:43 pm
Operator : SV118:dv
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 11:31:59 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.927	153	908785	4577.210	ng/ml	100
19) 2,4-Dinitrotoluene	4.015	165	197353	5129.873	ng/ml#	79
20) Fluorene	4.212	166	984580	4654.639	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.244	198	84971	5161.084	ng/ml#	64
24) Hexachlorobenzene	4.529	284	374496	4447.260	ng/ml	97
25) Pentachlorophenol	4.635	266	191786	6123.032	ng/ml	100
26) Phenanthrene	4.754	178	1524263	4389.983	ng/ml	100
27) Anthracene	4.781	178	1581006	4639.834	ng/ml	100
28) Fluoranthene	5.429	202	1795438M3	4619.460	ng/ml	
29) Pyrene	5.560	202	1907331	4619.662	ng/ml	99
32) Benzo[a]anthracene	6.286	226	558274	4421.159	ng/ml#	93
33) 3,3'-Dichlorobenzidine	6.270	252	773195	5744.314	ng/ml	99
34) Chrysene	6.313	228	1764051	4535.310	ng/ml#	98
35) Bis(2-ethylhexyl)phtha...	6.309	149	1229993	5483.741	ng/ml	95
37) Benzo[b]fluoranthene	7.131	252	1898726	4953.184	ng/ml	99
38) Benzo[k]fluoranthene	7.157	252	1967616	4841.143	ng/ml	99
39) Benzo[a]pyrene	7.442	252	1799597	5313.795	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.732	276	1925639	6099.008	ng/ml#	87
41) Dibenzo[a,h]anthracene	8.765	278	1827885M6	5687.269	ng/ml	
42) Benzo[g,h,i]perylene	9.077	276	1864958	5634.775	ng/ml#	85

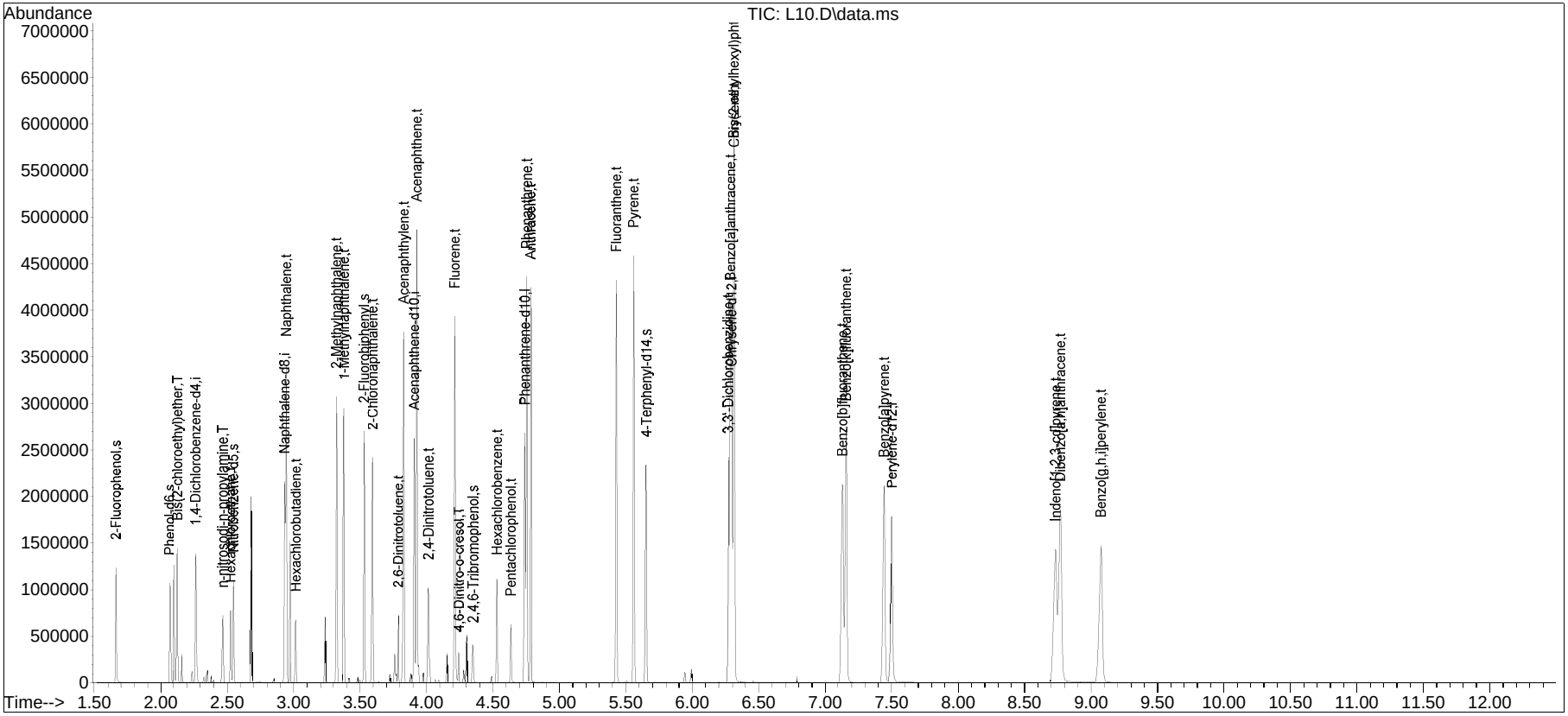
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L10.D
Acq On : 25 Oct 2024 04:43 pm
Operator : SV118:dv
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 11:31:59 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:31 2024
Response via : Initial Calibration

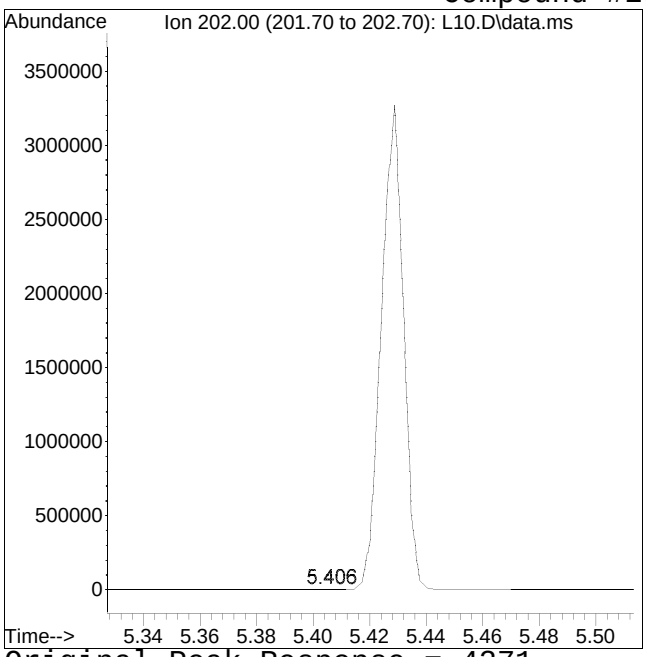
Sub List : Default - All compounds listedical\L8.D•

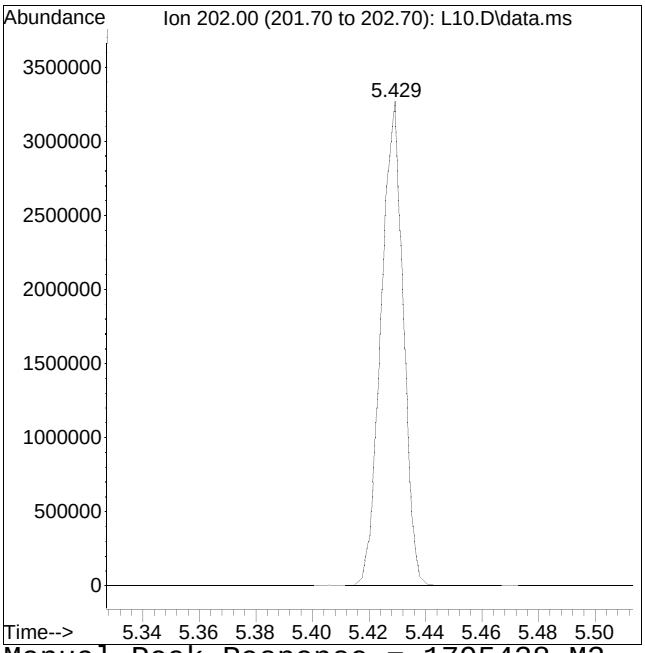


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L10.D Operator : SV118:dv
Date Inj'd : 10/25/2024 4:43 pm Instrument : SV118
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene



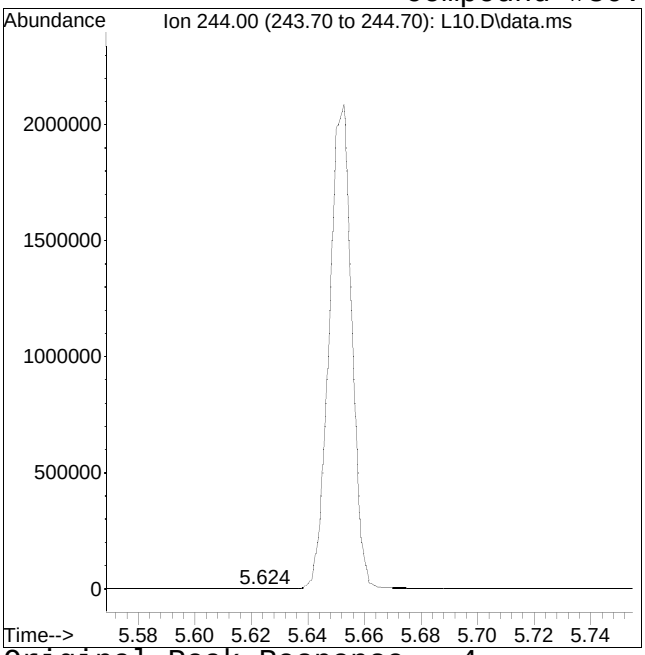


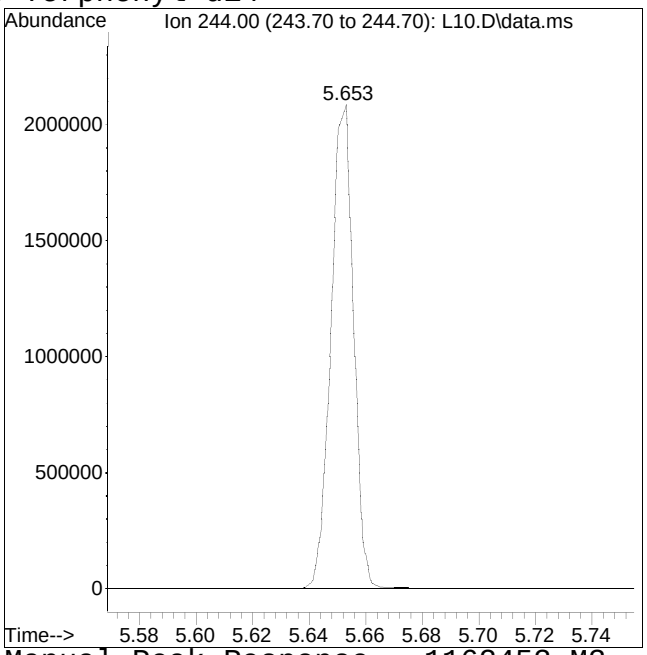
Original Peak Response = 4271 Manual Peak Response = 1795438 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L10.D Operator : SV118:dv
Date Inj'd : 10/25/2024 4:43 pm Instrument : SV118
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14



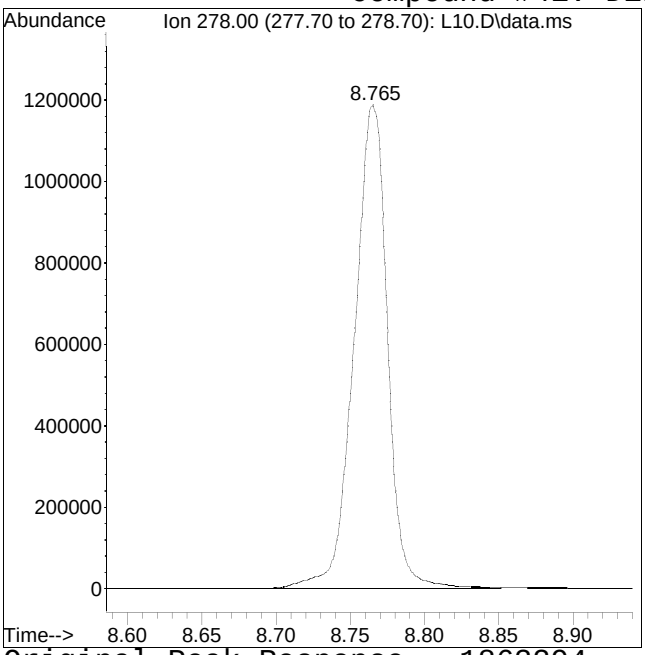


Original Peak Response = 4 Manual Peak Response = 1162453 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

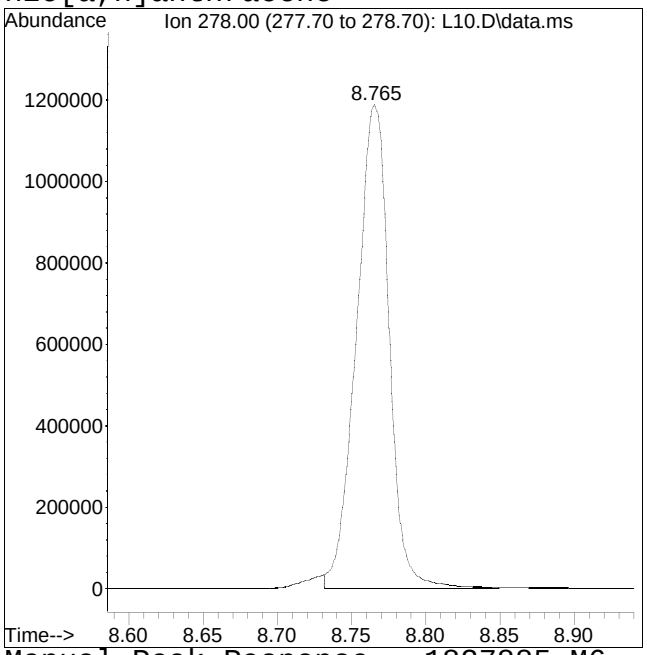
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L10.D Operator : SV118:dv
Date Inj'd : 10/25/2024 4:43 pm Instrument : SV118
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1863294



Manual Peak Response = 1827885 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L9.D
Acq On : 25 Oct 2024 05:01 pm
Operator : SV118:dv
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 11:35:35 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:37:09 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.276	152	336532	4000.000 ng/ml	0.00
Standard Area 1 = 429824			Recovery = 78.30%		
8) Naphthalene-d8	2.942	136	1251542	4000.000 ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 79.50%		
17) Acenaphthene-d10	3.918	164	686394	4000.000 ng/ml	0.00
Standard Area 1 = 863987			Recovery = 79.44%		
22) Phenanthrene-d10	4.749	188	1394426	4000.000 ng/ml #	0.00
Standard Area 1 = 1755380			Recovery = 79.44%		
31) Chrysene-d12	6.276	240	1286099	4000.000 ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 75.98%		
36) Perylene-d12	7.479	264	1359792	4000.000 ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 75.75%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.673	112	228303	2399.453 ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 119.97%#		
3) Phenol-d6	2.078	99	284978	2437.424 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 121.87%#		
7) Nitrobenzene-d5	2.555	82	196948	2609.143 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 260.91%#		
13) 2-Fluorobiphenyl	3.540	172	575368	2390.952 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 239.10%#		
21) 2,4,6-Tribromophenol	4.358	330	85764	2711.612 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 135.58%#		
30) 4-Terphenyl-d14	5.647	244	658149	2306.790 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 230.68%#		
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.136	93	250240	2513.542 ng/ml	97
5) n-nitrosodi-n-propylamine	2.476	70	186212	2518.277 ng/ml	97
6) Hexachloroethane	2.534	117	103636	2454.516 ng/ml	86
9) Naphthalene	2.950	128	777443	2359.784 ng/ml	100
10) Hexachlorobutadiene	3.025	225	142833	2442.661 ng/ml	99
11) 2-Methylnaphthalene	3.332	142	512459	2428.463 ng/ml	98
12) 1-Methylnaphthalene	3.387	142	472856	2408.601 ng/ml	99
14) 2-Chloronaphthalene	3.605	162	514081M3	2427.265 ng/ml	
15) 2,6-Dinitrotoluene	3.797	165	81428	2840.570 ng/ml#	85
16) Acenaphthylene	3.838	152	790915	2522.588 ng/ml	99
18) Acenaphthene	3.936	153	537959	2397.453 ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L9.D
Acq On : 25 Oct 2024 05:01 pm
Operator : SV118:dv
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 11:35:35 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:37:09 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.023	165	108035	2497.674	ng/ml#	86
20) Fluorene	4.224	166	581375	2431.938	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.251	198	44195	2474.930	ng/ml#	62
24) Hexachlorobenzene	4.536	284	220214	2398.683	ng/ml	98
25) Pentachlorophenol	4.645	266	105374M1	3085.785	ng/ml	
26) Phenanthrene	4.763	178	889206	2349.026	ng/ml	100
27) Anthracene	4.791	178	908698	2446.082	ng/ml	100
28) Fluoranthene	5.431	202	999929	2359.786	ng/ml#	90
29) Pyrene	5.559	202	1068591	2373.986	ng/ml	99
32) Benzo[a]anthracene	6.268	226	290300	2304.873	ng/ml#	95
33) 3,3'-Dichlorobenzidine	6.251	252	389909	2904.181	ng/ml	99
34) Chrysene	6.292	228	941051	2425.606	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.287	149	630760	2819.354	ng/ml	95
37) Benzo[b]fluoranthene	7.106	252	929826	2652.284	ng/ml	99
38) Benzo[k]fluoranthene	7.132	252	961896	2587.807	ng/ml	100
39) Benzo[a]pyrene	7.415	252	849519	2742.829	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.707	276	833331	2886.011	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.742	278	817960M6	2782.807	ng/ml	
42) Benzo[g,h,i]perylene	9.052	276	814764	2691.755	ng/ml#	86

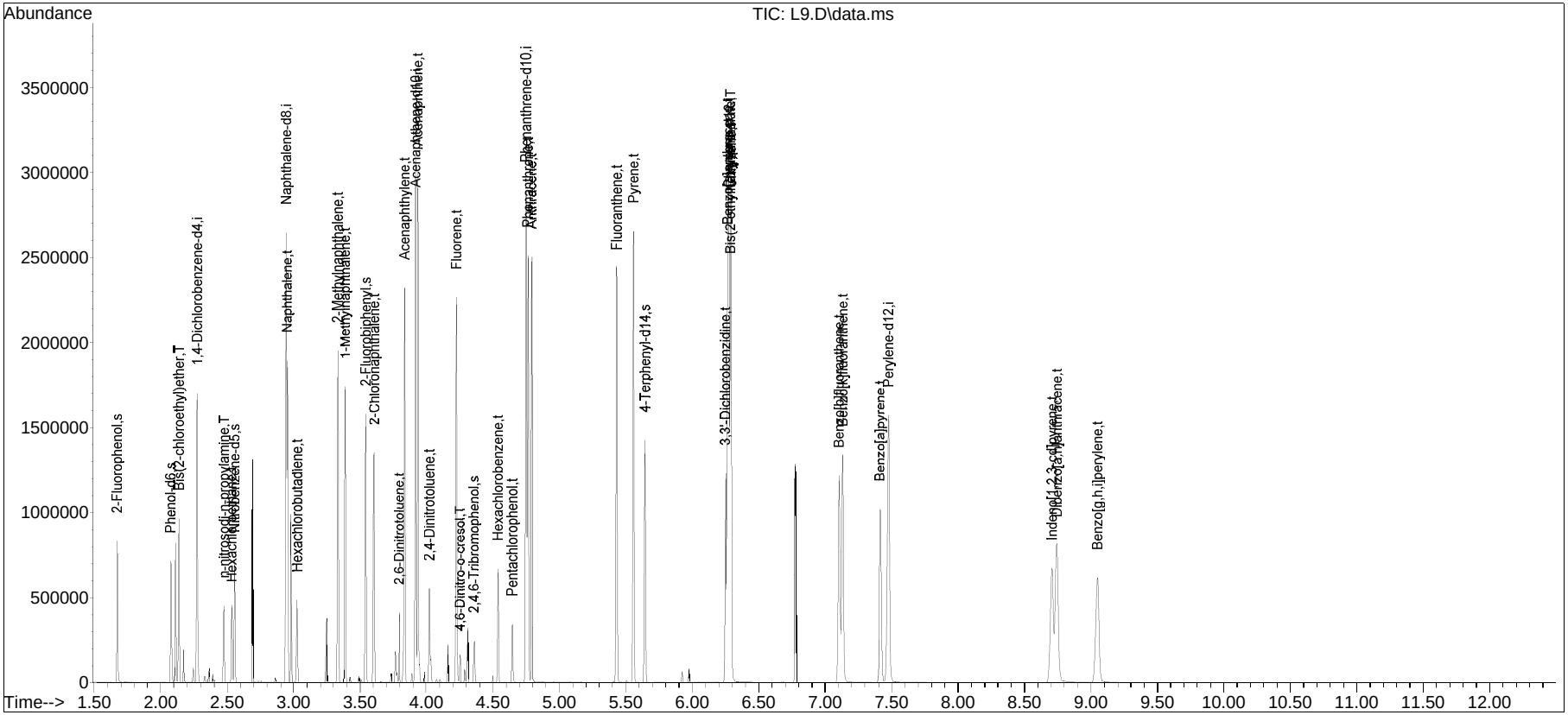
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L9.D
Acq On : 25 Oct 2024 05:01 pm
Operator : SV118:dv
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 11:35:35 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:37:09 2024
Response via : Initial Calibration

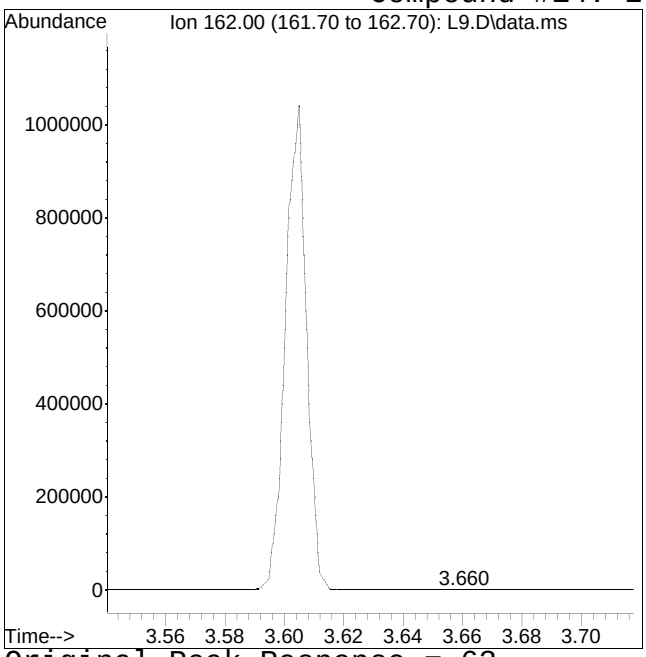
Sub List : Default - All compounds listedical\L8.D•

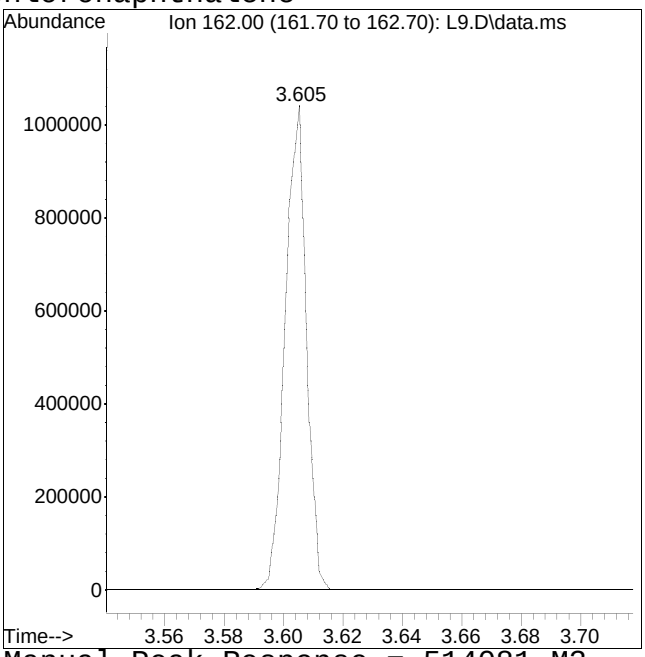


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L9.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:01 pm Instrument : SV118
Sample : IL9,32,, #10901 2500 ng/mlQuant Date : 12/4/2024 11:37 am

Compound #14: 2-Chloronaphthalene





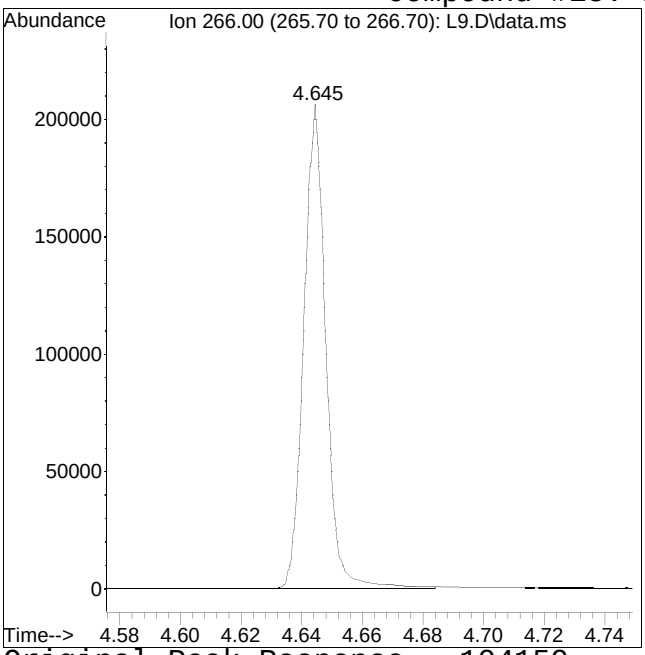
Original Peak Response = 63 Manual Peak Response = 514081 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

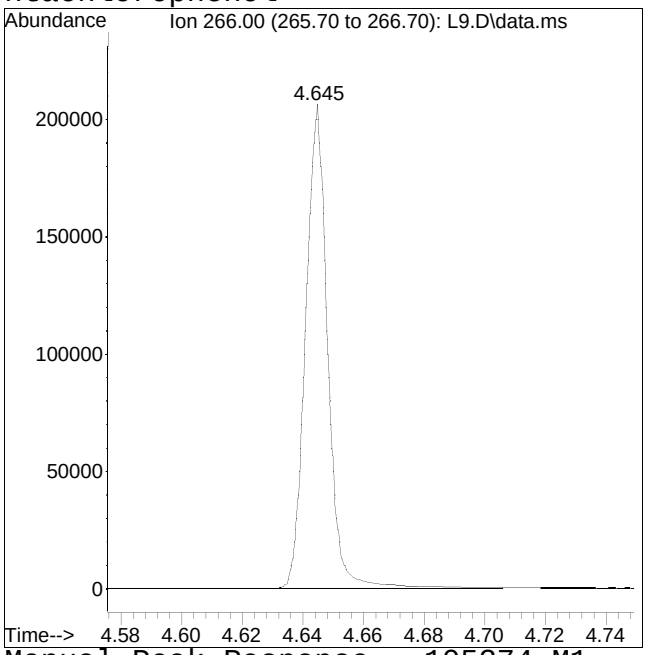
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L9.D
Date Inj'd : 10/25/2024 5:01 pm
Sample : IL9,32,, #10901 2500 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:37 am

Compound #25: Pentachlorophenol



Original Peak Response = 104159



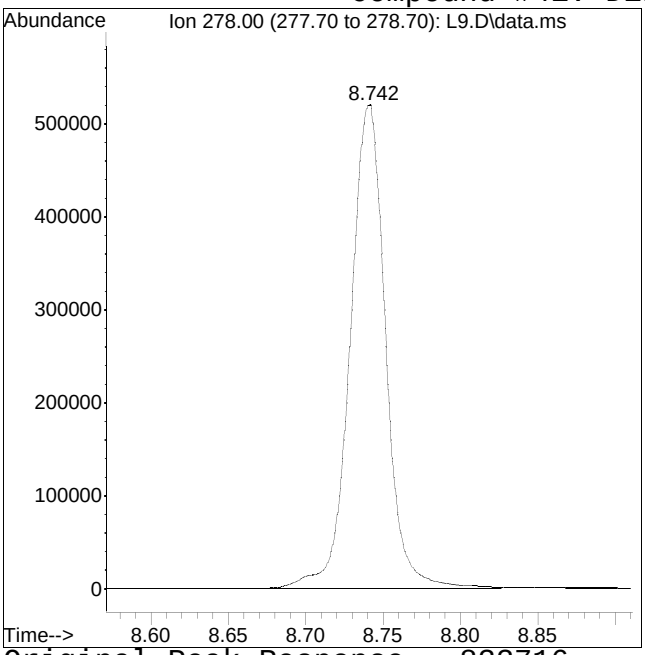
Manual Peak Response = 105374 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

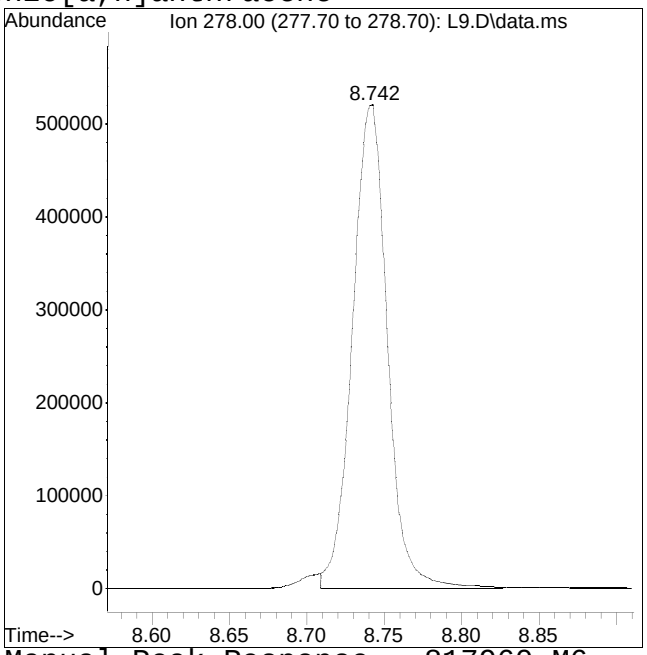
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L9.D
Date Inj'd : 10/25/2024 5:01 pm
Sample : IL9,32,, #10901 2500 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 833716



Manual Peak Response = 817960 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L8.D
Acq On : 25 Oct 2024 05:19 pm
Operator : SV118:dv
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 11:33:01 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.279	152	429824	4000.000	ng/ml	-0.05
Standard Area 1 = 429824			Recovery	= 100.00%		
8) Naphthalene-d8	2.946	136	1574353	4000.000	ng/ml	-0.05
Standard Area 1 = 1574353			Recovery	= 100.00%		
17) Acenaphthene-d10	3.922	164	863987	4000.000	ng/ml	-0.05
Standard Area 1 = 863987			Recovery	= 100.00%		
22) Phenanthrene-d10	4.753	188	1755380M3	4000.000	ng/ml	-0.06
Standard Area 1 = 1755380			Recovery	= 100.00%		
31) Chrysene-d12	6.276	240	1692718M2	4000.000	ng/ml	-0.15
Standard Area 1 = 1692718			Recovery	= 100.00%		
36) Perylene-d12	7.483	264	1795203M2	4000.000	ng/ml	-0.24
Standard Area 1 = 1795203			Recovery	= 100.00%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.683	112	119014	979.342	ng/ml	-0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 48.97%		
3) Phenol-d6	2.084	99	148408	993.832	ng/ml	-0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 49.69%		
7) Nitrobenzene-d5	2.560	82	101098	1048.636	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 104.86%		
13) 2-Fluorobiphenyl	3.544	172	294957	974.377	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 97.44%		
21) 2,4,6-Tribromophenol	4.362	330	42117	1057.904	ng/ml	-0.06
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 52.90%		
30) 4-Terphenyl-d14	5.649	244	346598	965.015	ng/ml	-0.10
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 96.50%		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.143	93	129762	1019.044	ng/ml	96
5) n-nitrosodi-n-propylamine	2.479	70	94011	995.429	ng/ml	97
6) Hexachloroethane	2.540	117	53876	999.048	ng/ml	85
9) Naphthalene	2.954	128	402557	971.347	ng/ml	100
10) Hexachlorobutadiene	3.029	225	72281M3	982.657	ng/ml	
11) 2-Methylnaphthalene	3.336	142	263115	991.200	ng/ml	98
12) 1-Methylnaphthalene	3.394	142	243234	984.926	ng/ml	99
14) 2-Chloronaphthalene	3.608	162	264846	994.082	ng/ml	88
15) 2,6-Dinitrotoluene	3.799	165	38000	1053.801	ng/ml#	84
16) Acenaphthylene	3.840	152	403084	1022.010	ng/ml	99
18) Acenaphthene	3.938	153	274294	971.144	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L8.D
Acq On : 25 Oct 2024 05:19 pm
Operator : SV118:dv
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 11:33:01 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.024	165	49929	932.864	ng/ml#	85
20) Fluorene	4.224	166	299762	996.183	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.251	198	20506	927.565	ng/ml#	78
24) Hexachlorobenzene	4.540	284	113536	982.394	ng/ml	98
25) Pentachlorophenol	4.646	266	48114M3	1119.252	ng/ml	
26) Phenanthrene	4.765	178	458722M3	962.630	ng/ml	
27) Anthracene	4.792	178	467014	998.632	ng/ml	99
28) Fluoranthene	5.431	202	526686	987.369	ng/ml#	91
29) Pyrene	5.559	202	558873	986.289	ng/ml	99
32) Benzo[a]anthracene	6.267	226	151578M4	914.378	ng/ml	
33) 3,3'-Dichlorobenzidine	6.251	252	199371	1128.268	ng/ml	99
34) Chrysene	6.292	228	504754M4	988.500	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.287	149	312893M2	1062.603	ng/ml	
37) Benzo[b]fluoranthene	7.106	252	478381M3	1033.597	ng/ml	
38) Benzo[k]fluoranthene	7.132	252	515928M1	1051.361	ng/ml	
39) Benzo[a]pyrene	7.417	252	438734M2	1072.966	ng/ml	
40) Indeno[1,2,3-cd]pyrene	8.704	276	431085M3	1130.843	ng/ml	
41) Dibenzo[a,h]anthracene	8.740	278	423760M2	1092.018	ng/ml	
42) Benzo[g,h,i]perylene	9.051	276	422562M2	1057.433	ng/ml	

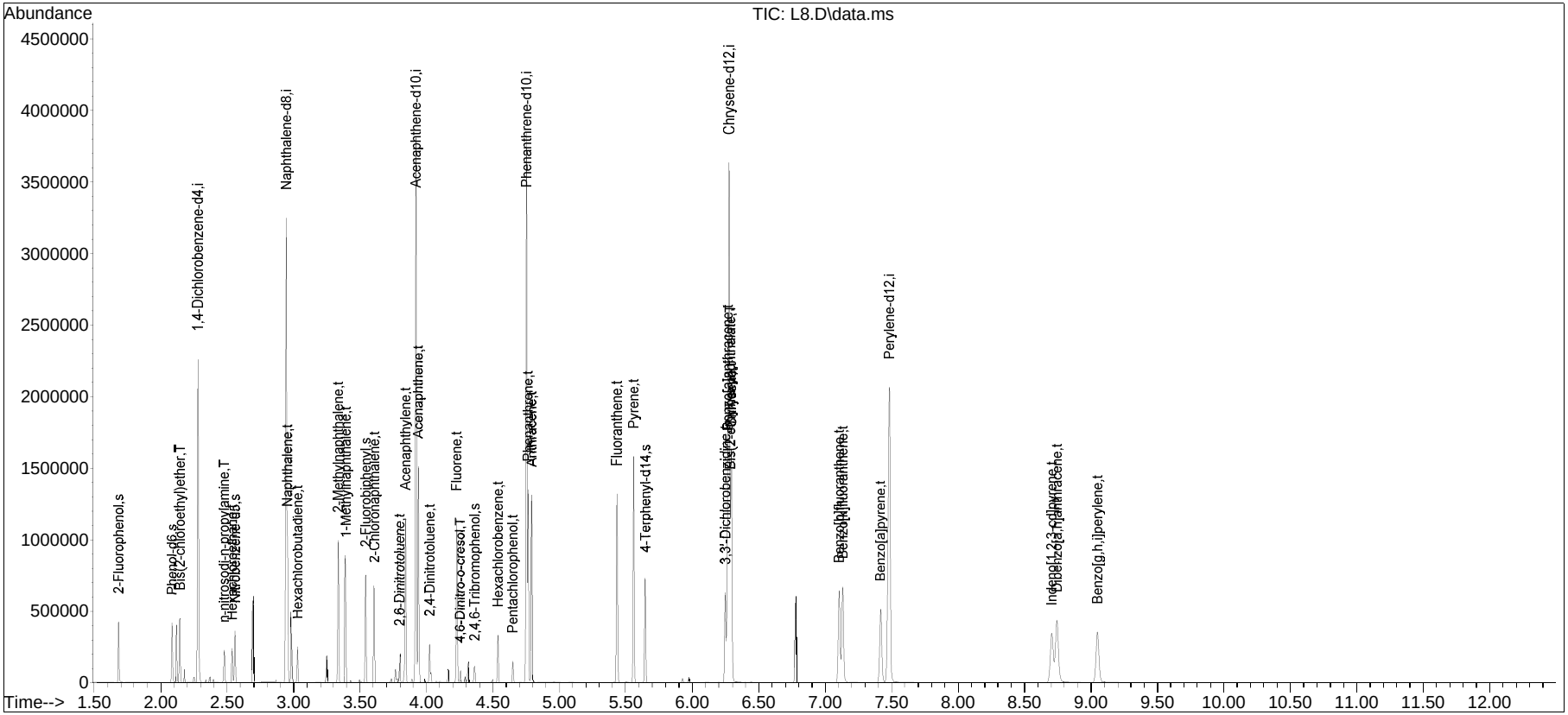
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L8.D
Acq On : 25 Oct 2024 05:19 pm
Operator : SV118:dv
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 11:33:01 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:26 2024
Response via : Initial Calibration

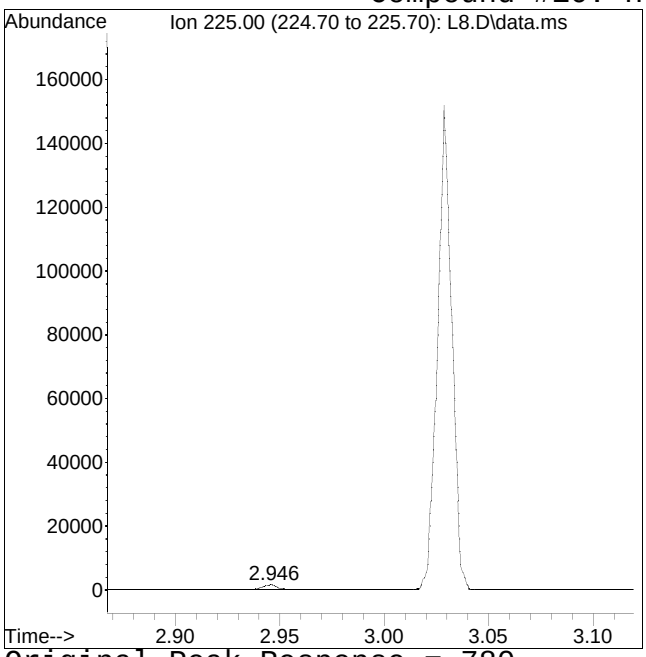
Sub List : Default - All compounds listedical\L8.D•

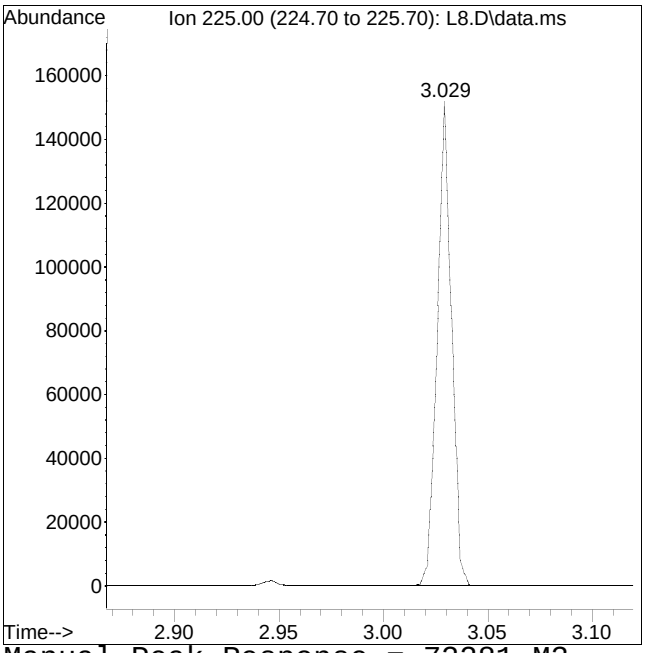


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #10: Hexachlorobutadiene





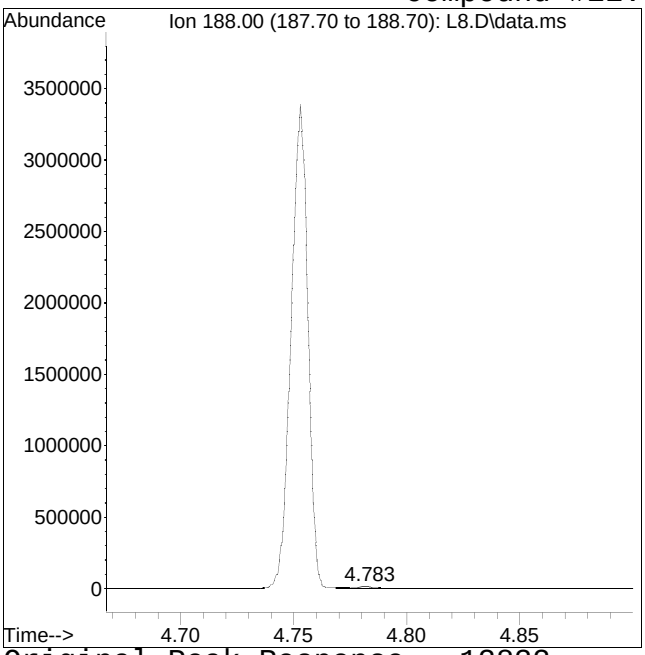
Original Peak Response = 780 Manual Peak Response = 72281 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

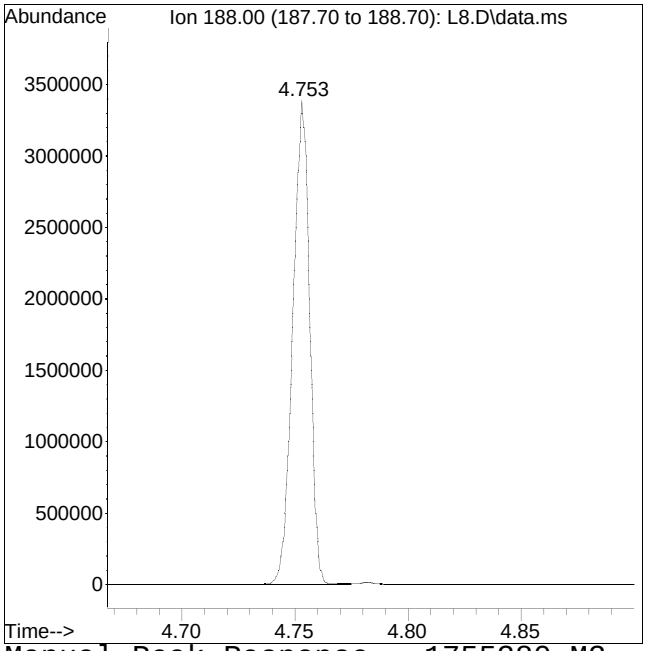
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #22: Phenanthrene-d10





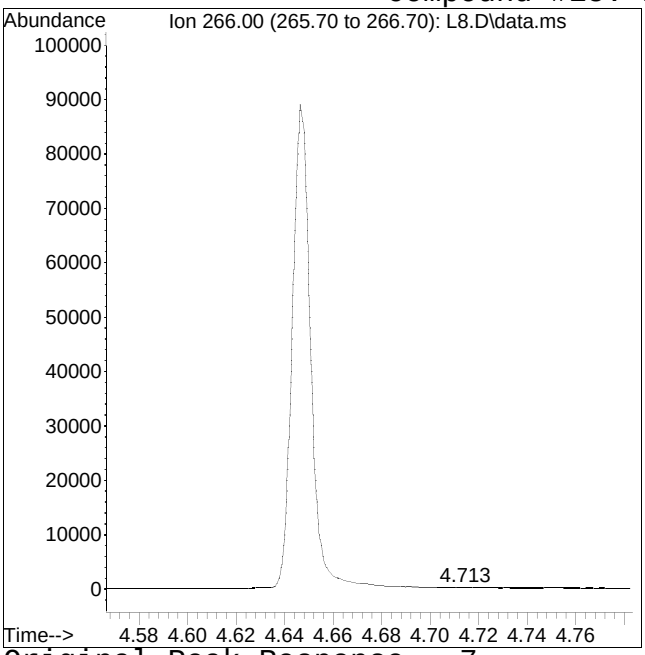
Original Peak Response = 12832 Manual Peak Response = 1755380 M3

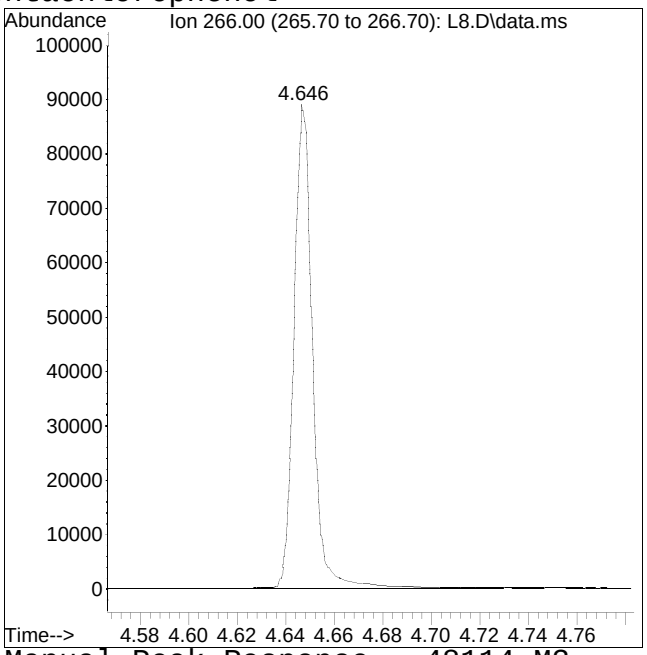
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol





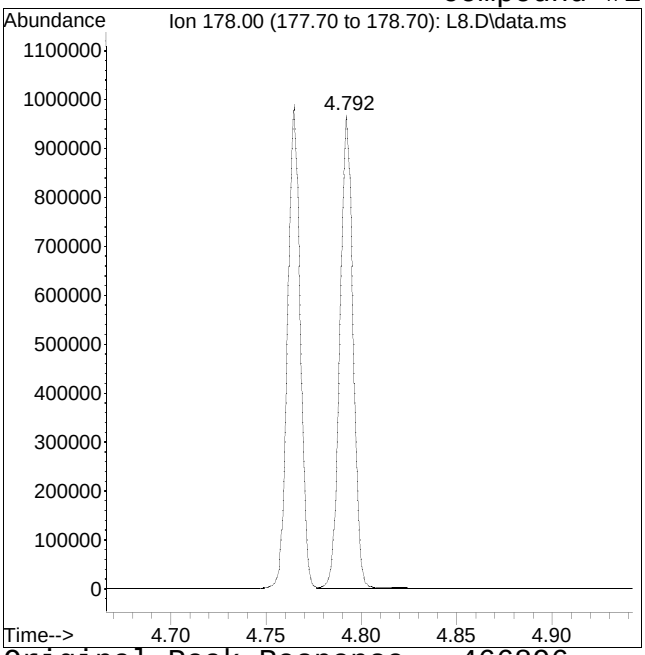
Original Peak Response = 7 Manual Peak Response = 48114 M3

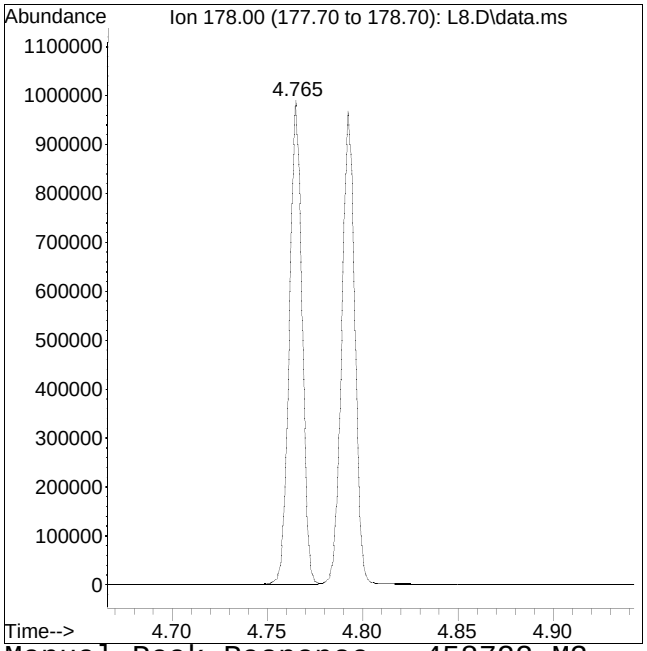
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #26: Phenanthrene





Original Peak Response = 466896 Manual Peak Response = 458722 M3

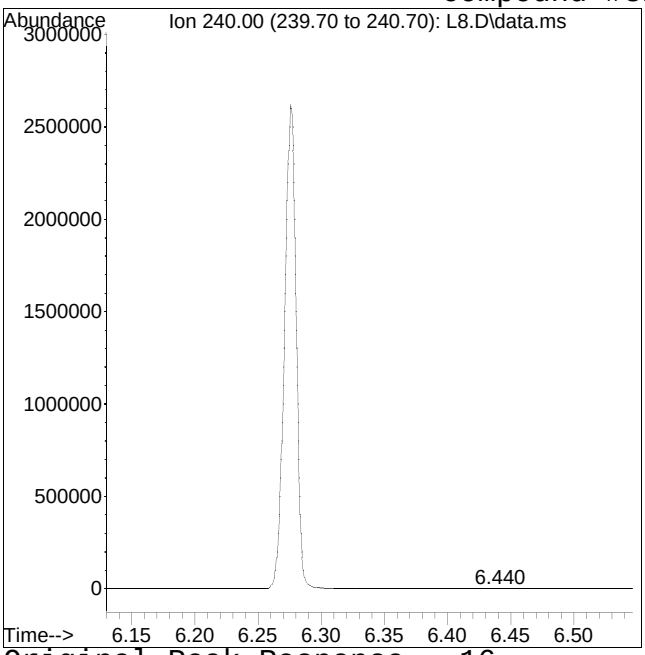
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

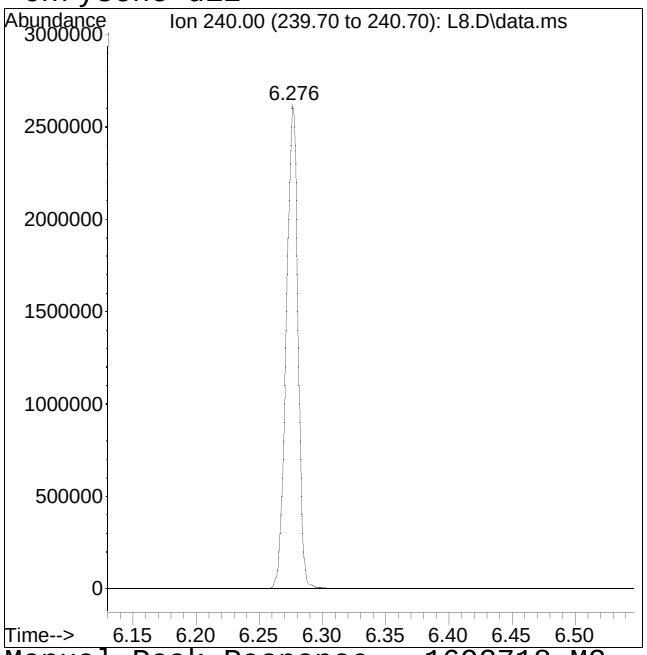
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #31: Chrysene-d12



Original Peak Response = 16



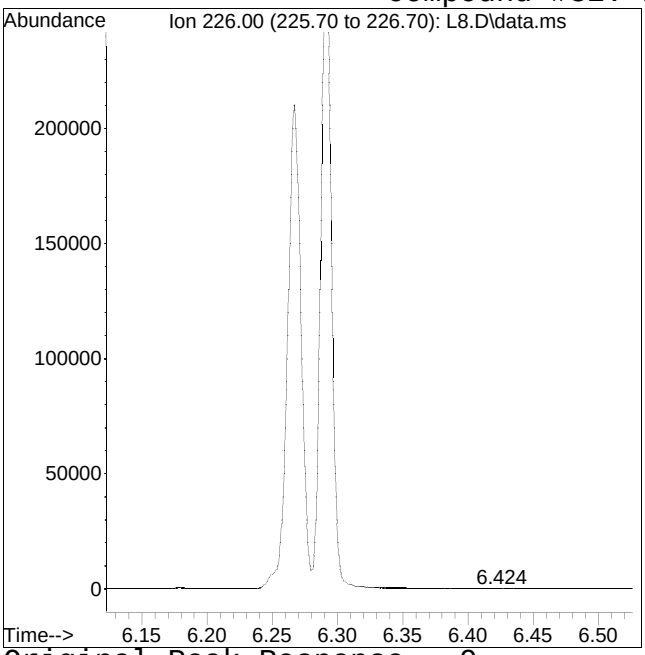
Manual Peak Response = 1692718 M2

M2 = Peak not found by automatic integration algorithm.

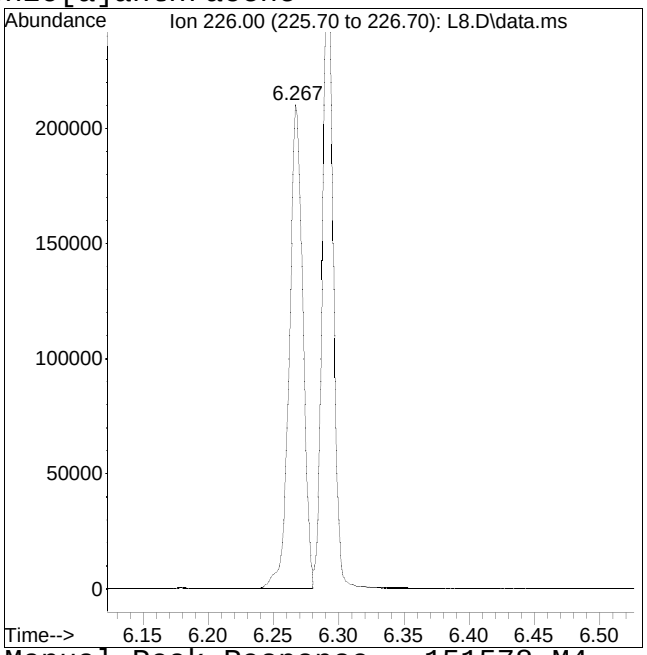
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 9



Manual Peak Response = 151578 M4

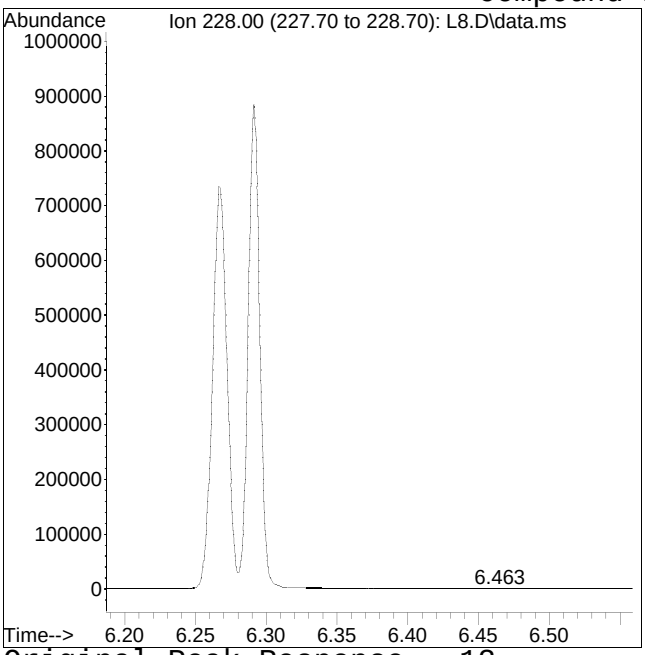
M4 = Poor automated baseline construction.

Manual Integration Report

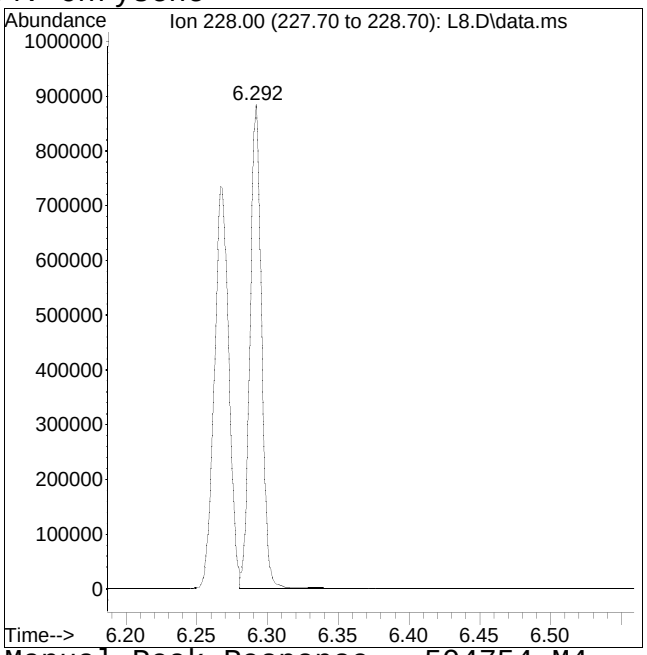
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #34: Chrysene



Original Peak Response = 12



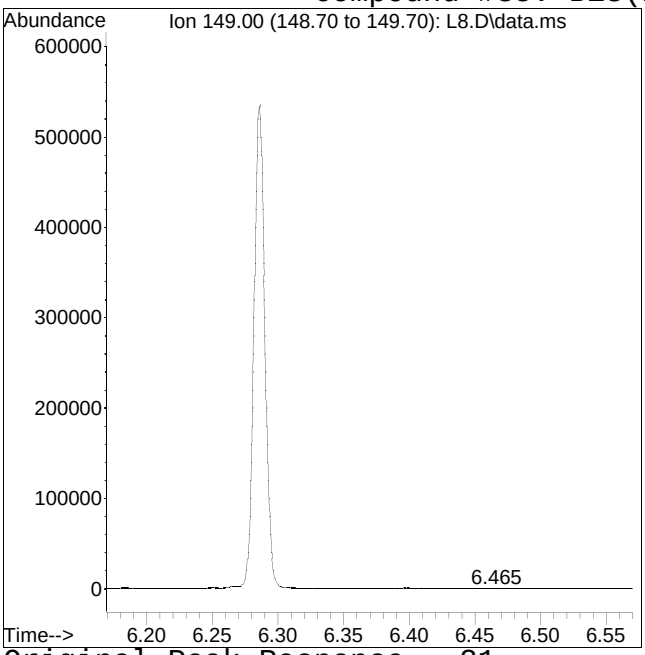
Manual Peak Response = 504754 M4

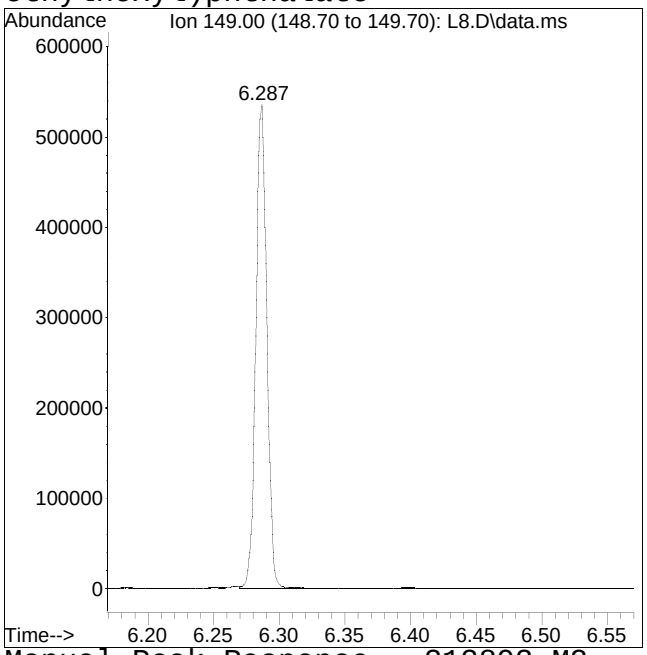
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #35: Bis(2-ethylhexyl)phthalate





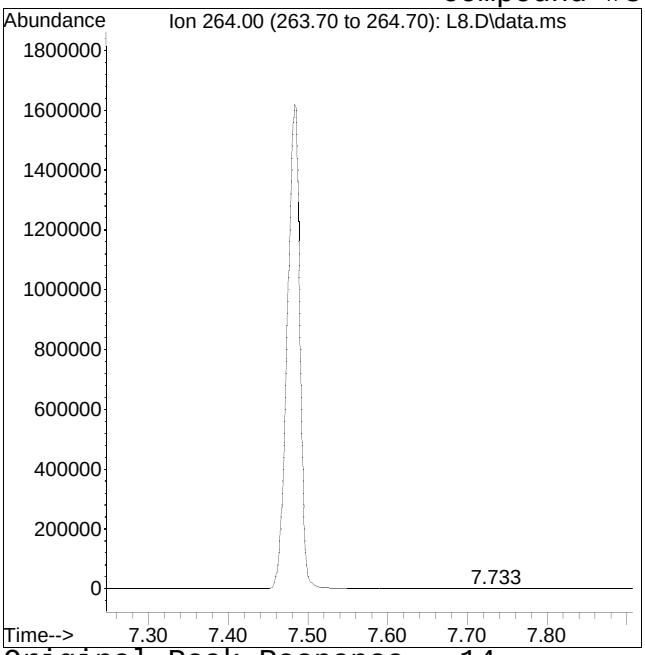
Original Peak Response = 21 Manual Peak Response = 312893 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

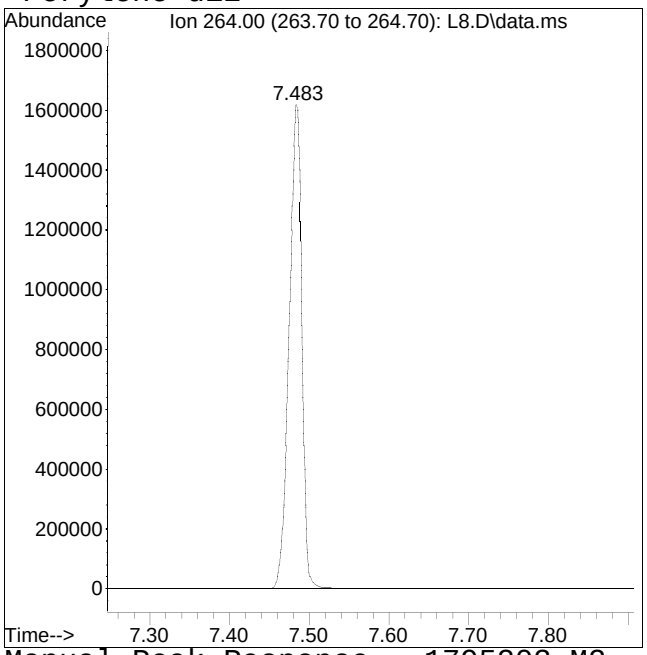
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #36: Perylene-d12



Original Peak Response = 14



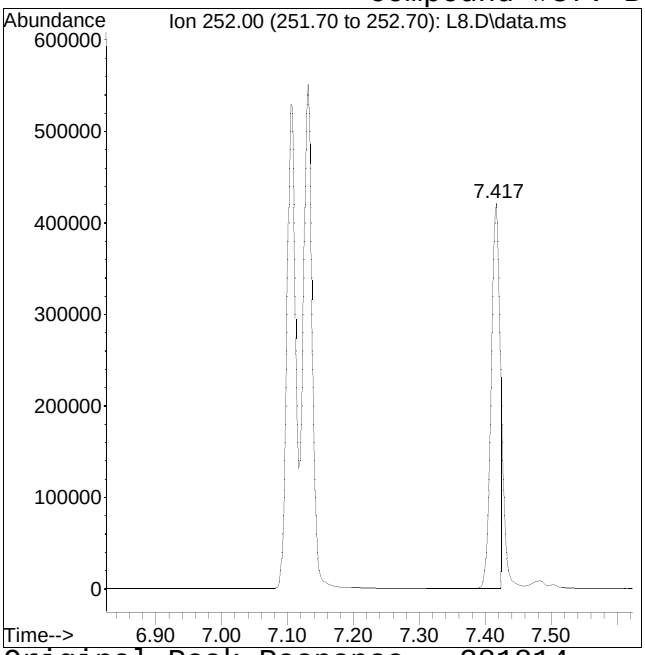
Manual Peak Response = 1795203 M2

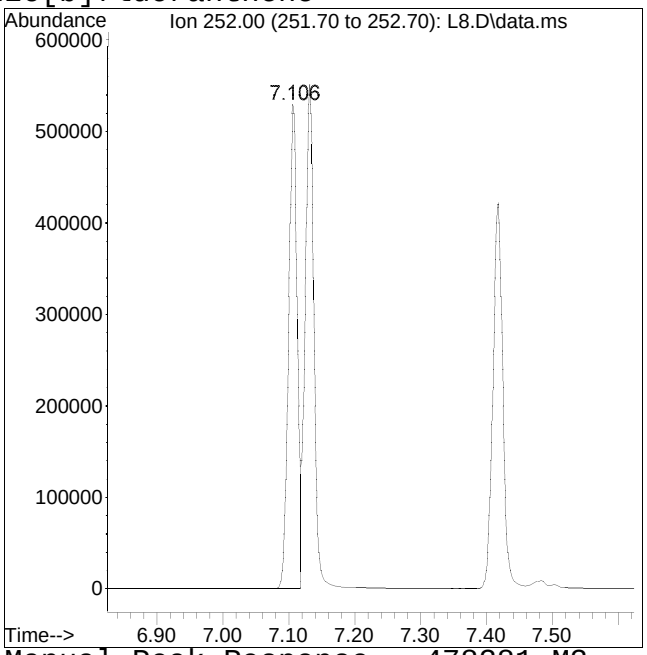
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #37: Benzo[b]fluoranthene





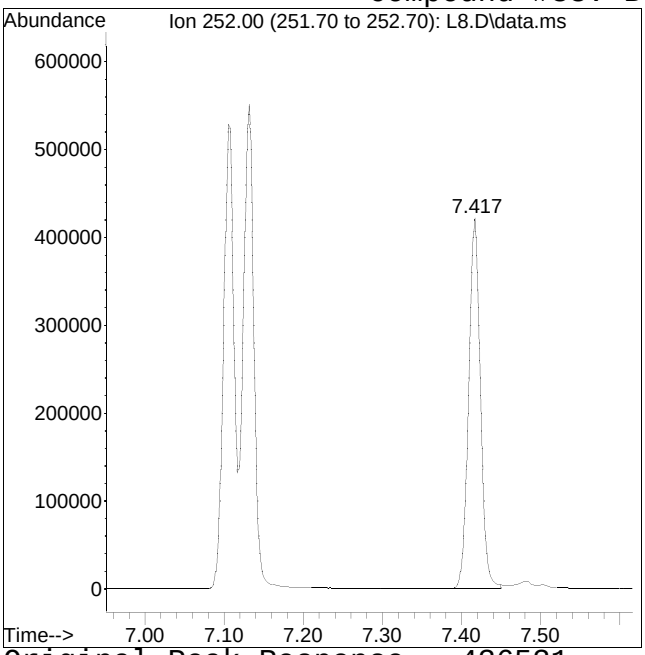
Original Peak Response = 381814 Manual Peak Response = 478381 M3

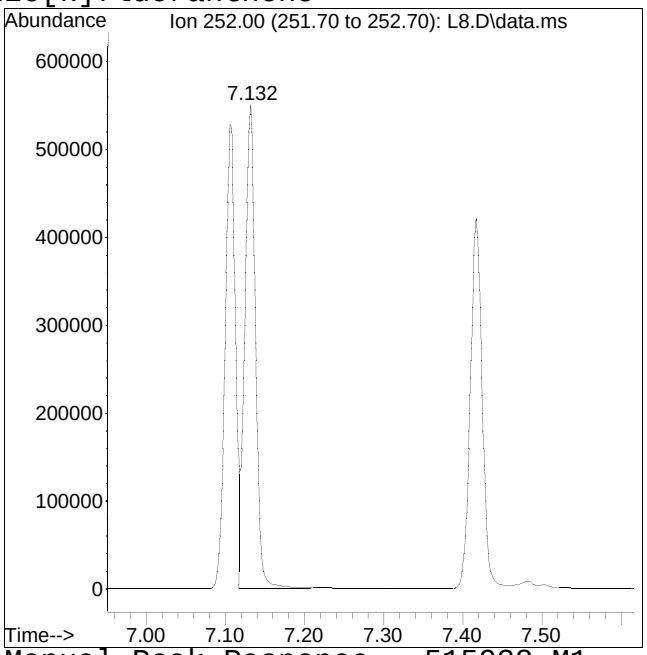
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #38: Benzo[k]fluoranthene



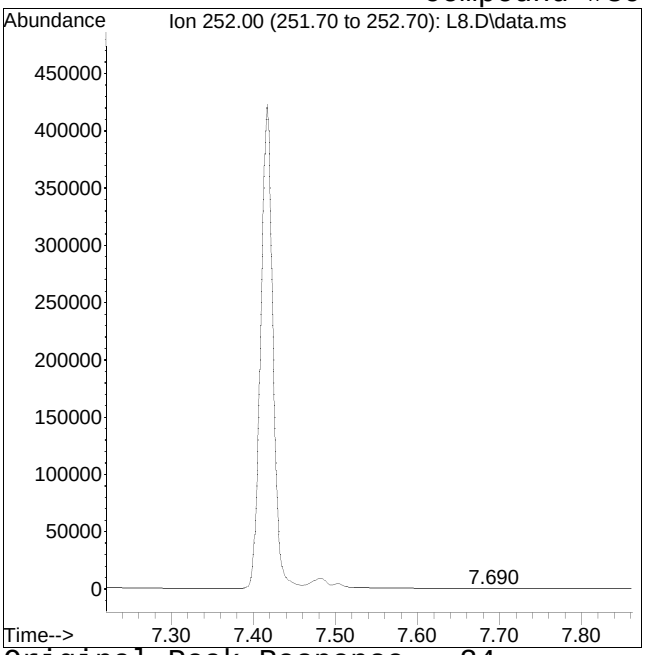


Original Peak Response = 436531 Manual Peak Response = 515928 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

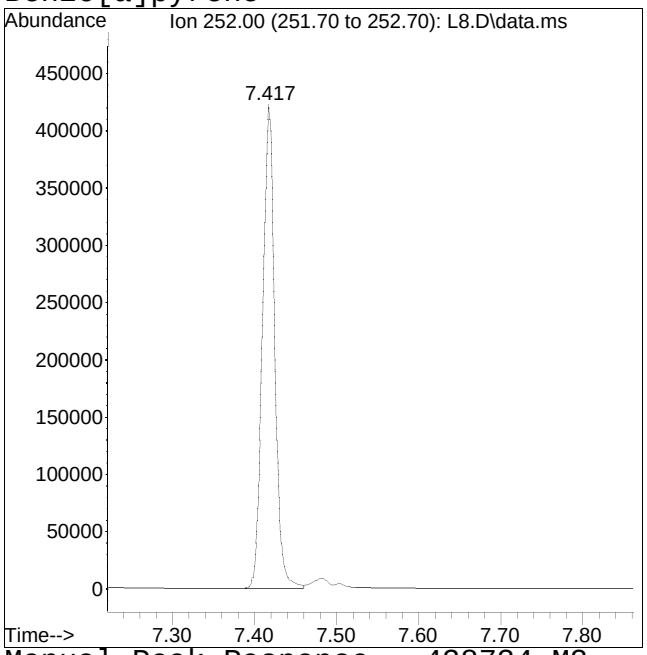
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #39: Benzo[a]pyrene



Original Peak Response = 24



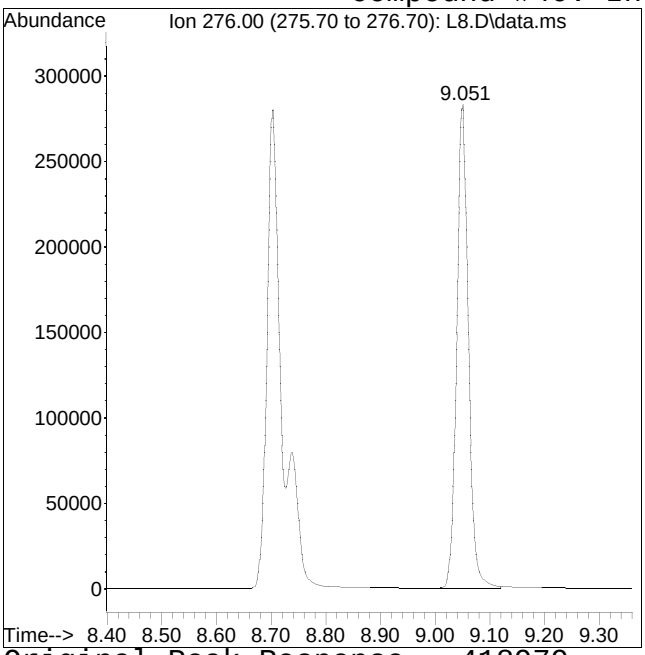
Manual Peak Response = 438734 M2

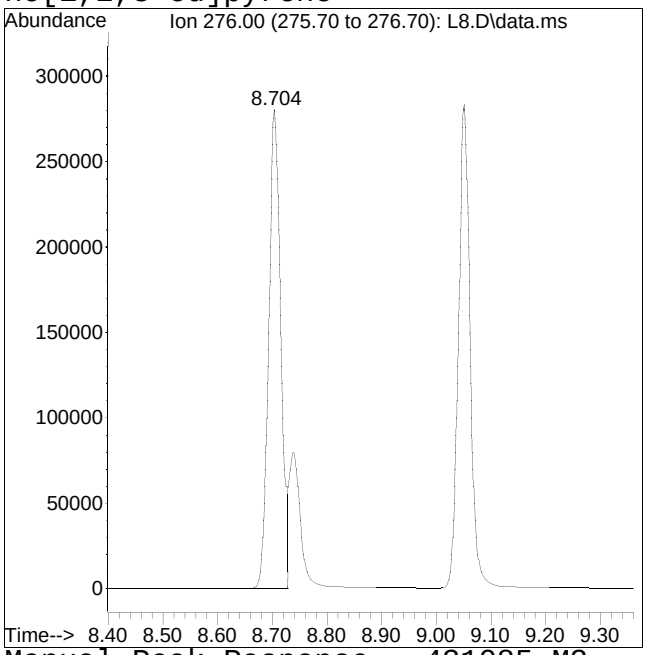
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #40: Indeno[1,2,3-cd]pyrene





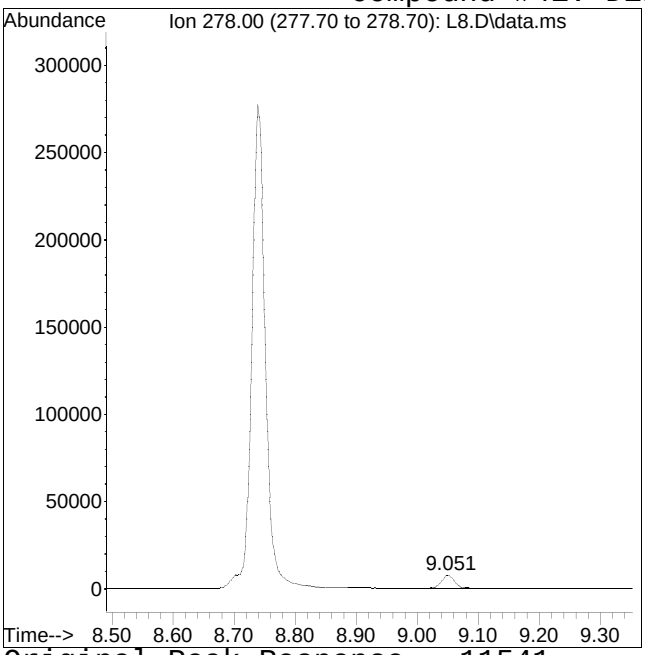
Original Peak Response = 418979 Manual Peak Response = 431085 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

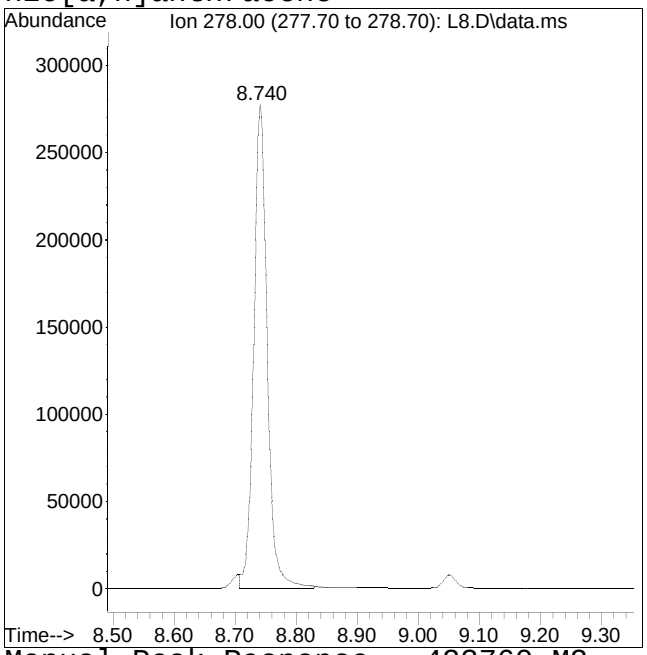
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 11541



Manual Peak Response = 423760 M2

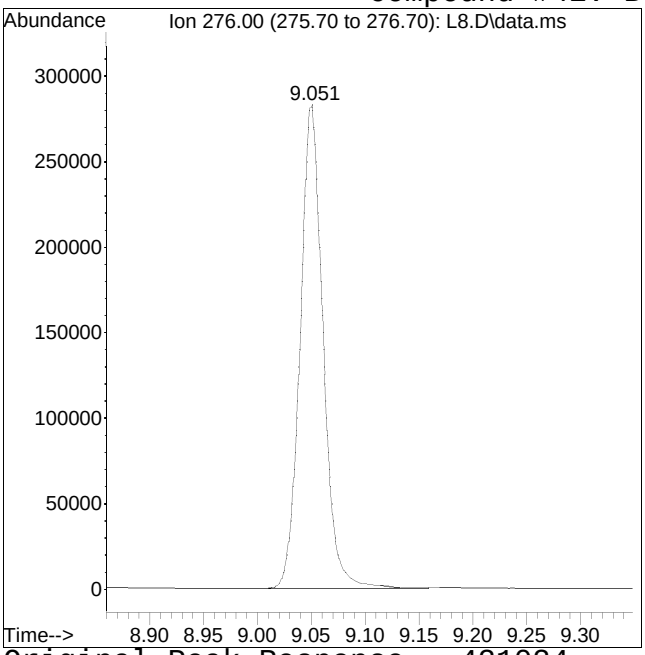
M2 = Peak not found by automatic integration algorithm.

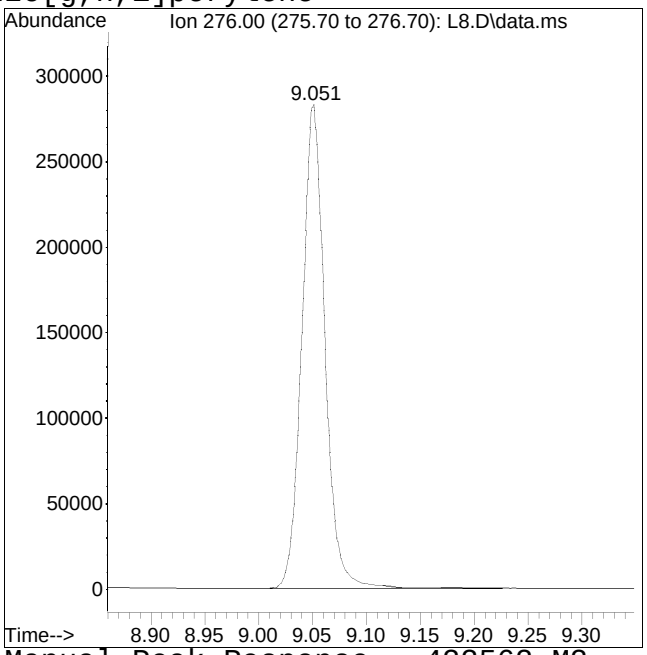
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 421024 Manual Peak Response = 422562 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L7.D
Acq On : 25 Oct 2024 05:37 pm
Operator : SV118:dv
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 04 11:32:46 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	2.283	152	381360	4000.000	ng/ml		0.00
Standard Area 1 = 429824			Recovery = 88.72%				
8) Naphthalene-d8	2.946	136	1393828	4000.000	ng/ml		0.00
Standard Area 1 = 1574353			Recovery = 88.53%				
17) Acenaphthene-d10	3.923	164	767564	4000.000	ng/ml		0.00
Standard Area 1 = 863987			Recovery = 88.84%				
22) Phenanthrene-d10	4.753	188	1620744	4000.000	ng/ml	#	0.00
Standard Area 1 = 1755380			Recovery = 92.33%				
31) Chrysene-d12	6.277	240	1646437	4000.000	ng/ml		0.00
Standard Area 1 = 1692718			Recovery = 97.27%				
36) Perylene-d12	7.488	264	1727376	4000.000	ng/ml		0.00
Standard Area 1 = 1795203			Recovery = 96.22%				
System Monitoring Compounds							
2) 2-Fluorophenol	1.682	112	52262	484.705	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.24%				
3) Phenol-d6	2.085	99	64713	488.430	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.42%				
7) Nitrobenzene-d5	2.561	82	42910	501.645	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.16%				
13) 2-Fluorobiphenyl	3.544	172	130931	488.544	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.85%				
21) 2,4,6-Tribromophenol	4.362	330	18260	516.276	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.81%				
30) 4-Terphenyl-d14	5.650	244	167002	503.601	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.36%				
Target Compounds							Qvalue
4) Bis(2-chloroethyl)ether	2.143	93	57253	505.526	ng/ml		97
5) n-nitrosodi-n-propylamine	2.482	70	40405	482.194	ng/ml		97
6) Hexachloroethane	2.543	117	23509	491.338	ng/ml		86
9) Naphthalene	2.958	128	176856	482.014	ng/ml		100
10) Hexachlorobutadiene	3.029	225	31966	490.862	ng/ml		100
11) 2-Methylnaphthalene	3.339	142	115432	491.173	ng/ml		98
12) 1-Methylnaphthalene	3.394	142	106674	487.900	ng/ml		98
14) 2-Chloronaphthalene	3.609	162	116199M3	492.634	ng/ml		
15) 2,6-Dinitrotoluene	3.800	165	15072	472.105	ng/ml	#	81
16) Acenaphthylene	3.841	152	175925	503.826	ng/ml		99
18) Acenaphthene	3.939	153	121832	485.536	ng/ml		97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L7.D
Acq On : 25 Oct 2024 05:37 pm
Operator : SV118:dv
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 04 11:32:46 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.025	165	19855	431.377	ng/ml	85
20) Fluorene	4.228	166	133880	500.807	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.251	198	8418	425.915	ng/ml#	77
24) Hexachlorobenzene	4.540	284	52390	490.973	ng/ml	98
25) Pentachlorophenol	4.649	266	18162M1	457.590	ng/ml	
26) Phenanthrene	4.765	178	213555	485.374	ng/ml	99
27) Anthracene	4.795	178	215333	498.704	ng/ml	99
28) Fluoranthene	5.434	202	250289	508.190	ng/ml#	92
29) Pyrene	5.562	202	268359	512.937	ng/ml	100
32) Benzo[a]anthracene	6.268	226	73539	456.086	ng/ml#	98
33) 3,3'-Dichlorobenzidine	6.251	252	91983	535.177	ng/ml	99
34) Chrysene	6.293	228	251190	505.753	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.288	149	141470	493.946	ng/ml	96
37) Benzo[b]fluoranthene	7.108	252	236214	530.407	ng/ml	99
38) Benzo[k]fluoranthene	7.132	252	243985	516.717	ng/ml	100
39) Benzo[a]pyrene	7.419	252	210014	533.777	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.709	276	201576	549.547	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.745	278	202238M6	541.626	ng/ml	
42) Benzo[g,h,i]perylene	9.054	276	202429	526.456	ng/ml#	86

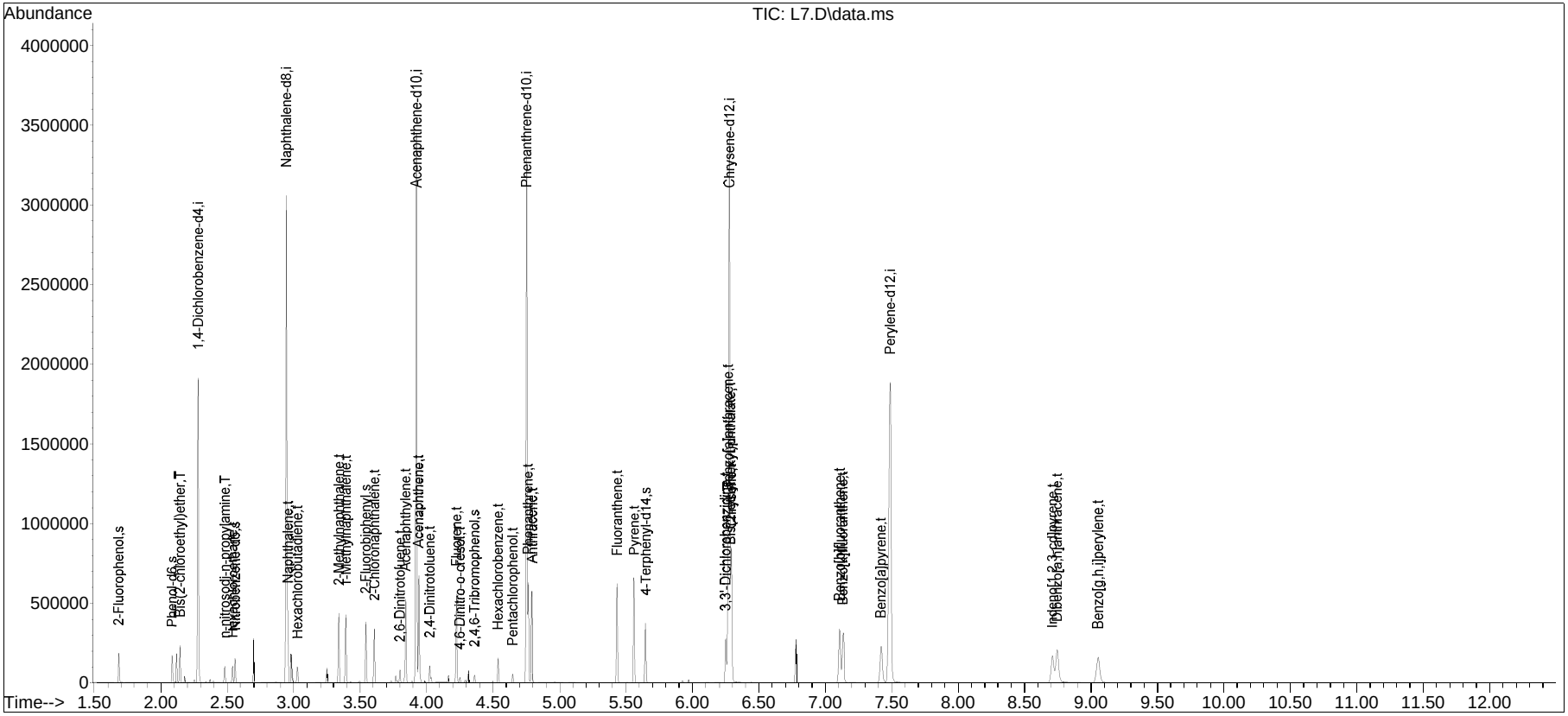
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L7.D
Acq On : 25 Oct 2024 05:37 pm
Operator : SV118:dv
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 04 11:32:46 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:16 2024
Response via : Initial Calibration

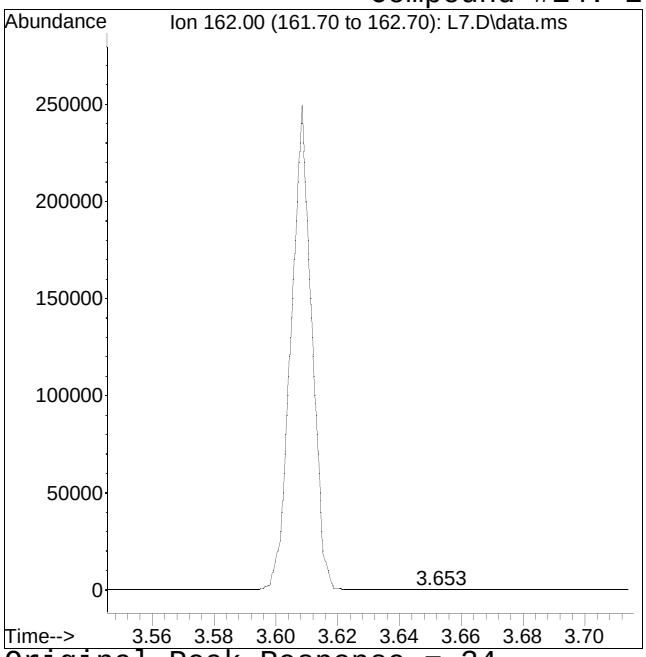
Sub List : Default - All compounds listedical\L8.D•

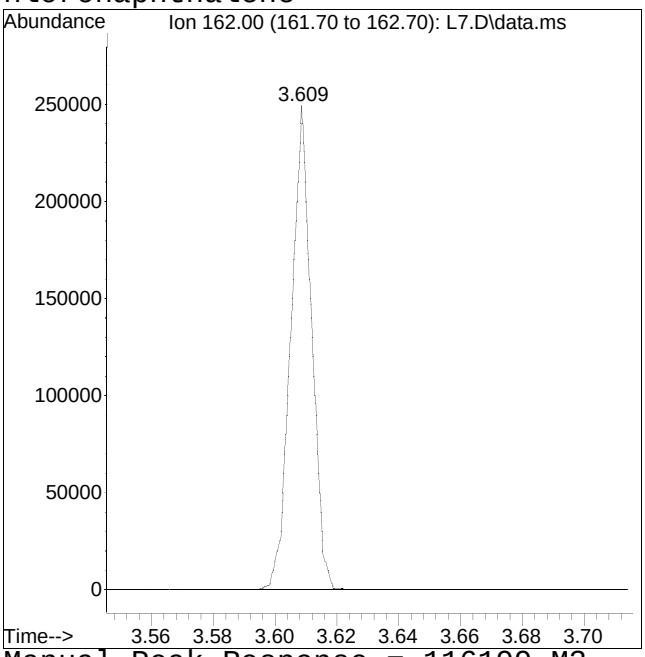


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L7.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:37 pm Instrument : SV118
Sample : IL7,32,, #10889 500 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #14: 2-Chloronaphthalene





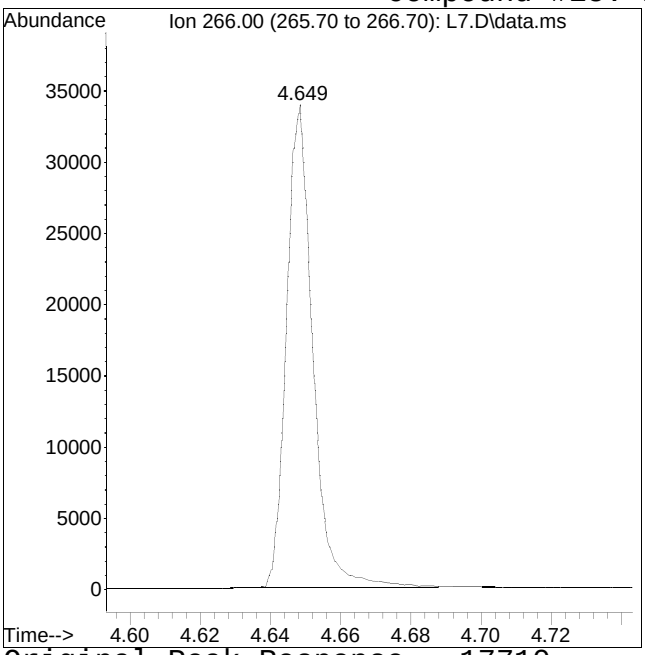
Original Peak Response = 34 Manual Peak Response = 116199 M3

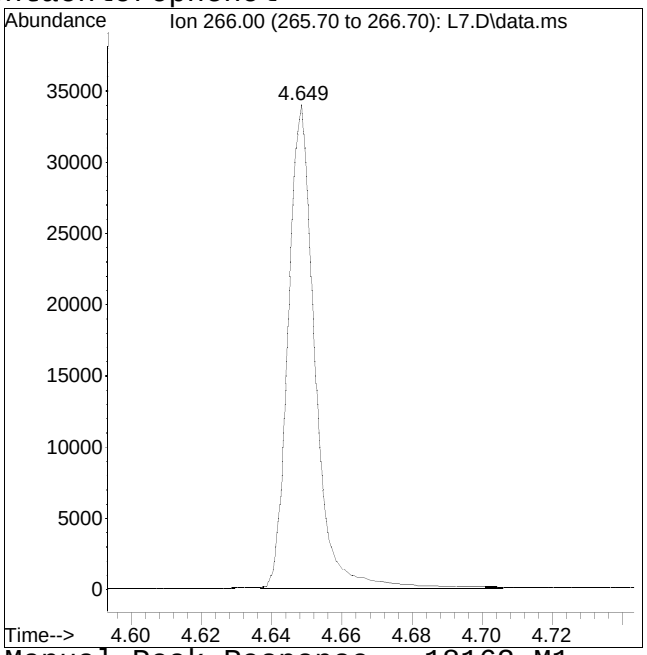
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L7.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:37 pm Instrument : SV118
Sample : IL7,32,, #10889 500 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol





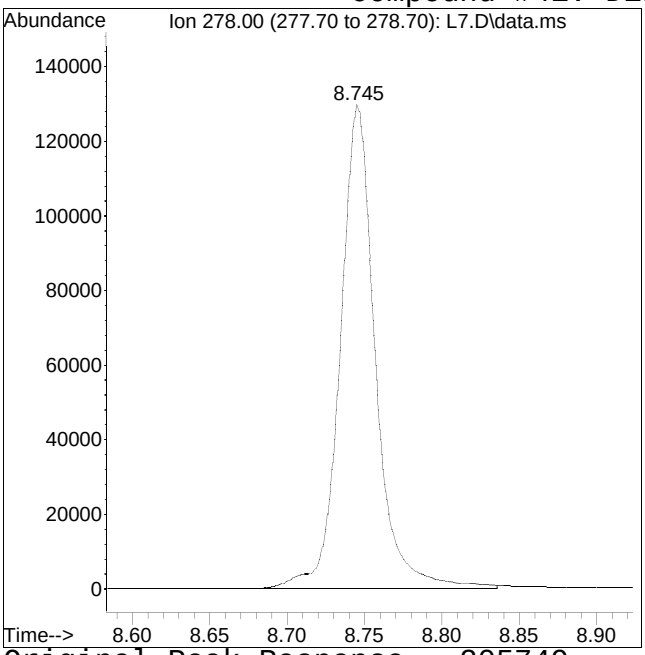
Original Peak Response = 17710 Manual Peak Response = 18162 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

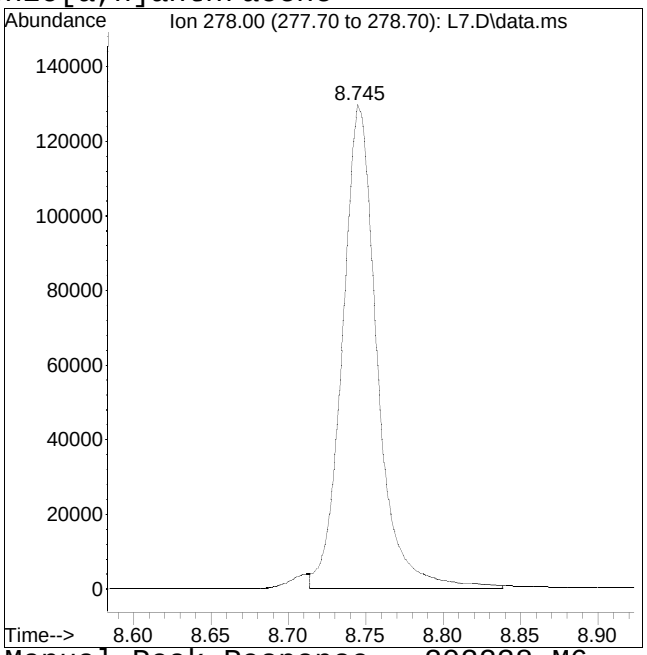
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L7.D
Date Inj'd : 10/25/2024 5:37 pm
Sample : IL7,32,, #10889 500 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 205749



Manual Peak Response = 202238 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L6.D
Acq On : 25 Oct 2024 05:55 pm
Operator : SV118:dv
Sample : IL6,32,, #10899 100 ng/ml
Misc : WG1990947,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 11:32:36 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.283	152	368408	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 85.71%			
8) Naphthalene-d8	2.946	136	1341604	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 85.22%			
17) Acenaphthene-d10	3.924	164	725196	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 83.94%			
22) Phenanthrene-d10	4.755	188	1514238M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 86.26%			
31) Chrysene-d12	6.277	240	1564976	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 92.45%			
36) Perylene-d12	7.487	264	1629061	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 90.75%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.685	112	12084	116.014	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.80%#			
3) Phenol-d6	2.088	99	15040	117.507	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.88%#			
7) Nitrobenzene-d5	2.563	82	9820	118.838	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.88%#			
13) 2-Fluorobiphenyl	3.547	172	30432	117.971	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.80%#			
21) 2,4,6-Tribromophenol	4.362	330	3851	115.243	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.76%#			
30) 4-Terphenyl-d14	5.649	244	37131M3	119.846	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.98%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	18260	165.258	ng/ml#	74
5) n-nitrosodi-n-propylamine	2.482	70	9287	114.728	ng/ml	97
6) Hexachloroethane	2.543	117	5415	117.152	ng/ml	86
9) Naphthalene	2.958	128	41707	118.096	ng/ml	100
10) Hexachlorobutadiene	3.033	225	7480	119.332	ng/ml	100
11) 2-Methylnaphthalene	3.339	142	26657	117.843	ng/ml	98
12) 1-Methylnaphthalene	3.394	142	24903	118.334	ng/ml	98
14) 2-Chloronaphthalene	3.608	162	26807	118.074	ng/ml#	88
15) 2,6-Dinitrotoluene	3.802	165	2971	96.684	ng/ml#	80
16) Acenaphthylene	3.843	152	39466	117.425	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L6.D
Acq On : 25 Oct 2024 05:55 pm
Operator : SV118:dv
Sample : IL6,32,, #10899 100 ng/ml
Misc : WG1990947,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 11:32:36 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.941	153	28287	119.318	ng/ml	99
19) 2,4-Dinitrotoluene	4.027	165	3542	101.729	ng/ml#	80
20) Fluorene	4.228	166	30307	119.993	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.255	198	1566	104.281	ng/ml#	79
24) Hexachlorobenzene	4.542	284	11948	119.846	ng/ml	98
25) Pentachlorophenol	4.650	266	3167M3	85.405	ng/ml	
26) Phenanthrene	4.767	178	49338M6	120.024	ng/ml	
27) Anthracene	4.794	178	48360	119.878	ng/ml	100
28) Fluoranthene	5.434	202	55815	121.299	ng/ml#	91
29) Pyrene	5.562	202	58434	119.546	ng/ml	100
32) Benzo[a]anthracene	6.268	226	16481	107.535	ng/ml#	95
33) 3,3'-Dichlorobenzidine	6.252	252	18616	113.950	ng/ml	99
34) Chrysene	6.292	228	57463	121.720	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.289	149	27080	99.472	ng/ml	100
37) Benzo[b]fluoranthene	7.107	252	50155	119.417	ng/ml	99
38) Benzo[k]fluoranthene	7.131	252	54374	122.104	ng/ml	100
39) Benzo[a]pyrene	7.418	252	44315	119.429	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.705	276	40165	116.108	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.741	278	42696M3	121.248	ng/ml	
42) Benzo[g,h,i]perylene	9.050	276	43194	119.114	ng/ml#	86

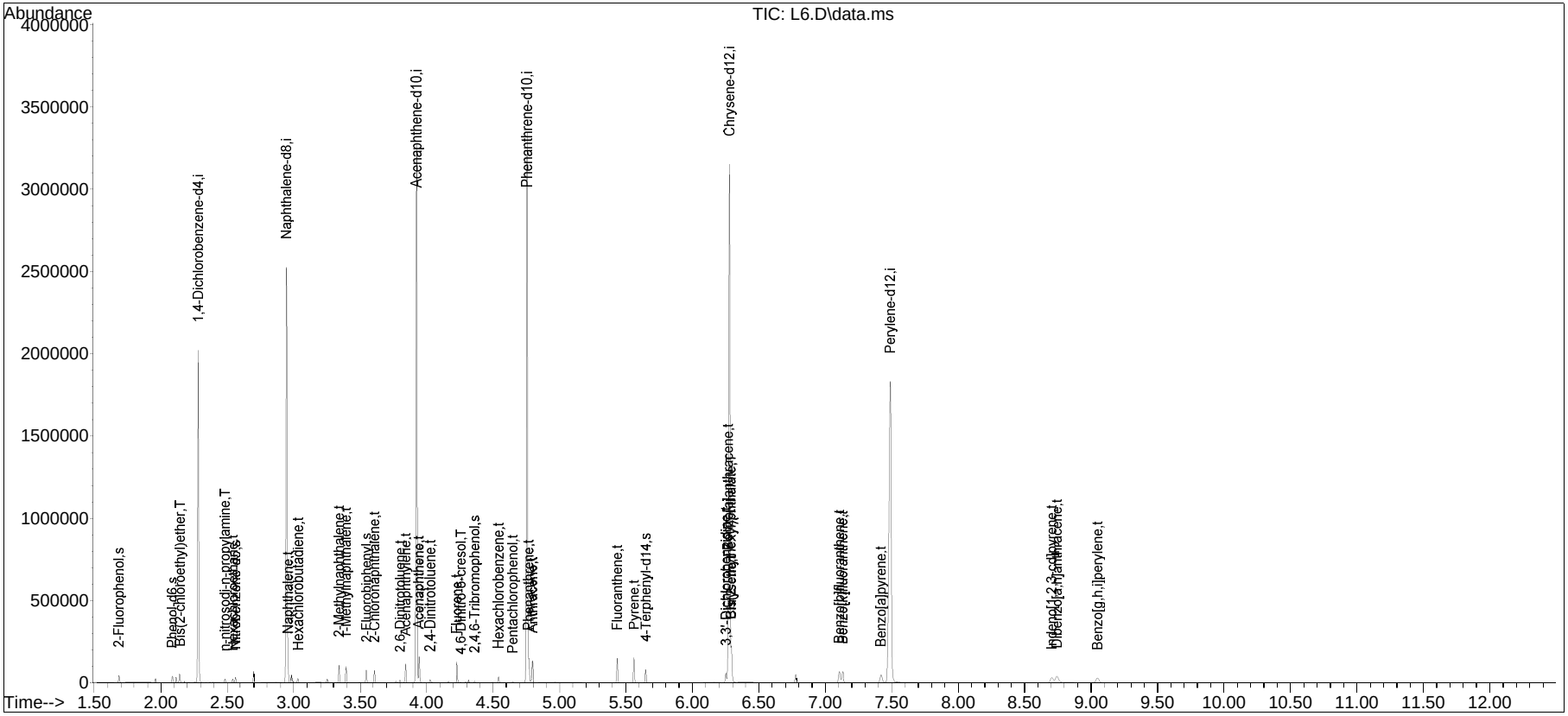
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L6.D
Acq On : 25 Oct 2024 05:55 pm
Operator : SV118:dv
Sample : IL6,32,, #10899 100 ng/ml
Misc : WG1990947,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 11:32:36 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:10 2024
Response via : Initial Calibration

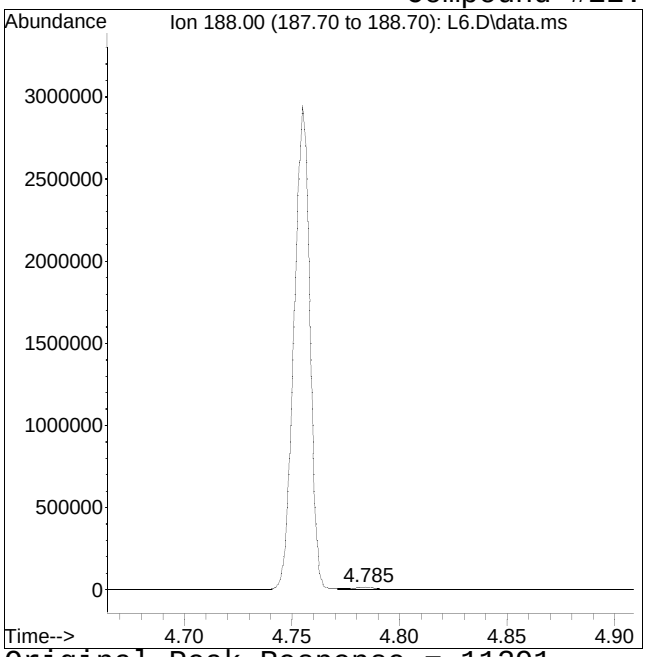
Sub List : Default - All compounds listedical\L8.D•

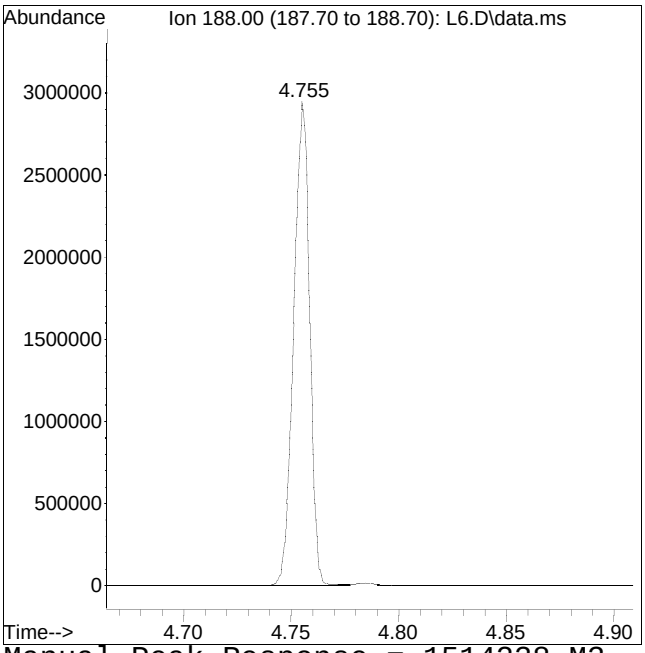


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #22: Phenanthrene-d10





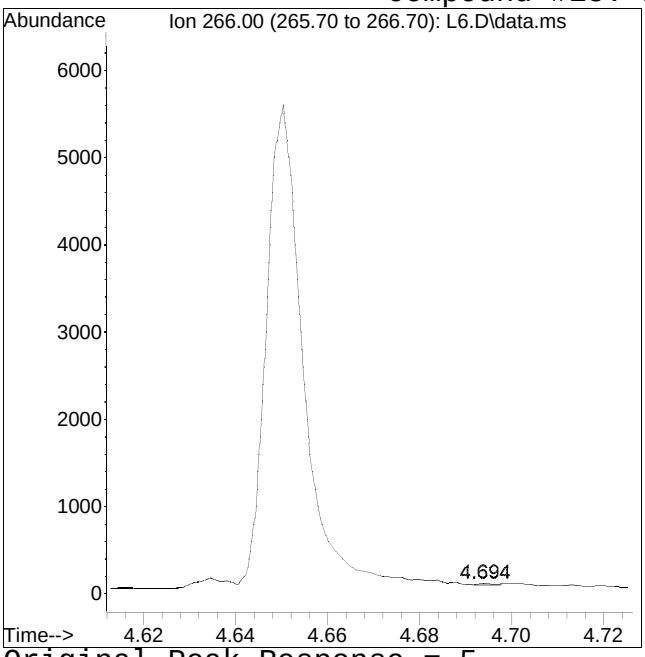
Original Peak Response = 11291 Manual Peak Response = 1514238 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

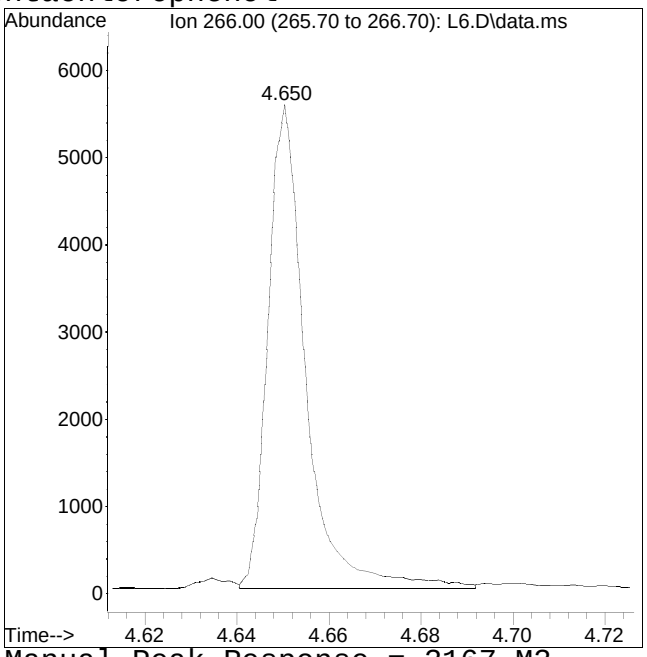
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L6.D
Date Inj'd : 10/25/2024 5:55 pm
Sample : IL6,32,, #10899 100 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol



Original Peak Response = 5



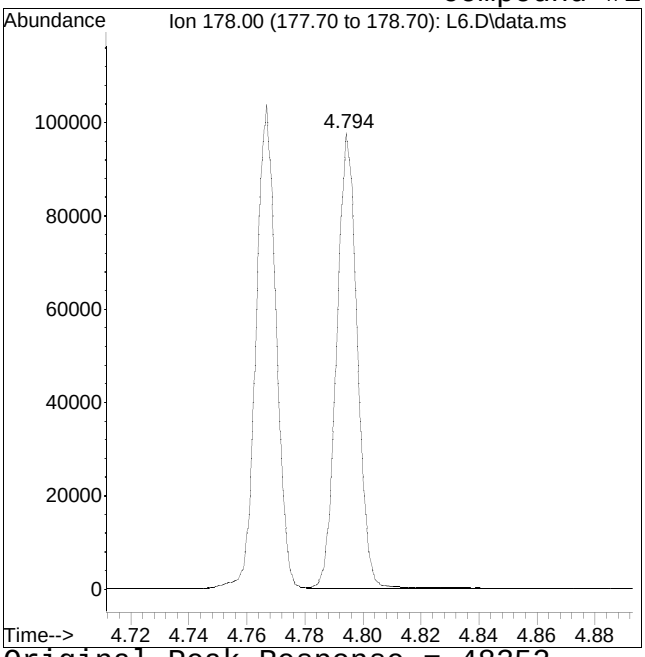
Manual Peak Response = 3167 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

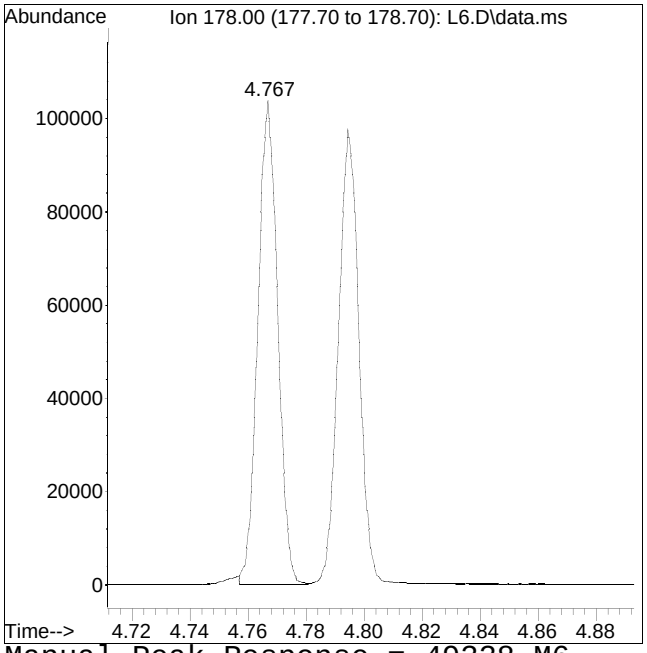
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #26: Phenanthrene



Original Peak Response = 48352



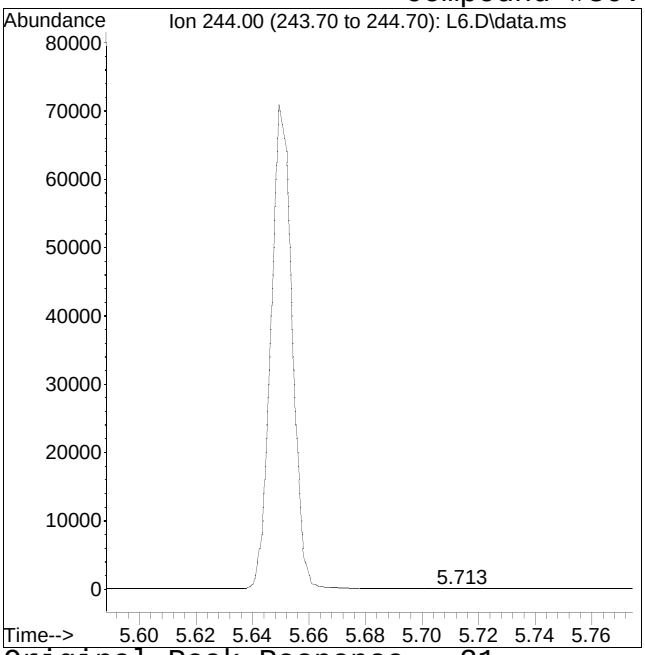
Manual Peak Response = 49338 M6

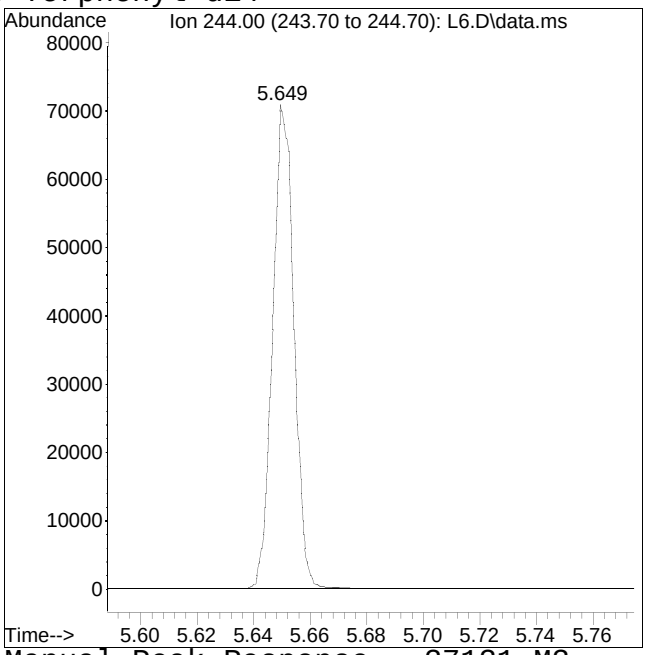
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L6.D
Date Inj'd : 10/25/2024 5:55 pm
Sample : IL6,32,, #10899 100 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #30: 4-Terphenyl-d14





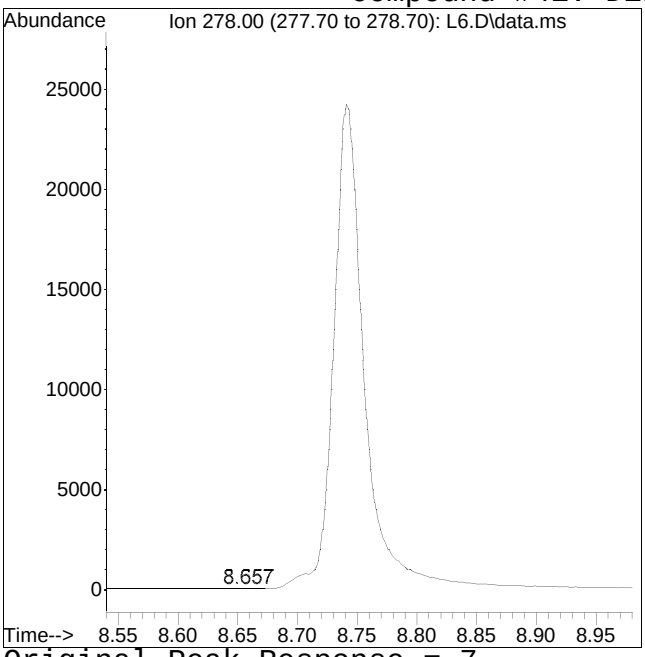
Original Peak Response = 21 Manual Peak Response = 37131 M3

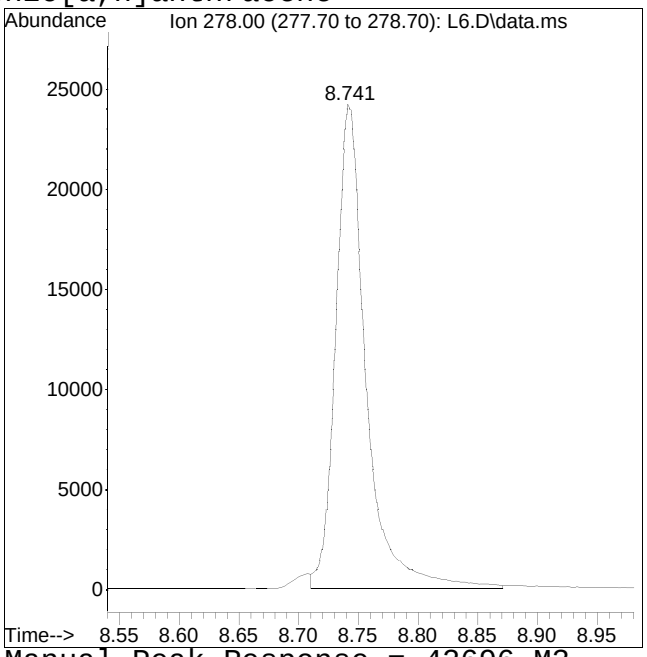
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene





Original Peak Response = 7 Manual Peak Response = 42696 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L5.D
Acq On : 25 Oct 2024 06:12 pm
Operator : SV118:dv
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG1990947,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 11:32:30 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:03 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	350794	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 81.61%			
8) Naphthalene-d8	2.950	136	1270298	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 80.69%			
17) Acenaphthene-d10	3.925	164	679336	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 78.63%			
22) Phenanthrene-d10	4.757	188	1404763M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 80.03%			
31) Chrysene-d12	6.279	240	1442435	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 85.21%			
36) Perylene-d12	7.488	264	1484437	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 82.69%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.686	112	3731	37.618	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.88%#			
3) Phenol-d6	2.088	99	4580	37.580	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.88%#			
7) Nitrobenzene-d5	2.563	82	2908	36.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.70%#			
13) 2-Fluorobiphenyl	3.547	172	9203	37.679	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.77%#			
21) 2,4,6-Tribromophenol	4.366	330	1070	34.182	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.71%#			
30) 4-Terphenyl-d14	5.652	244	10760	37.436	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.74%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	4217	38.226	ng/ml	94
5) n-nitrosodi-n-propylamine	2.485	70	2736	35.497	ng/ml	96
6) Hexachloroethane	2.546	117	1648	37.444	ng/ml	87
9) Naphthalene	2.958	128	12776	38.207	ng/ml	98
10) Hexachlorobutadiene	3.033	225	2307	38.871	ng/ml	100
11) 2-Methylnaphthalene	3.343	142	8074	37.696	ng/ml	97
12) 1-Methylnaphthalene	3.397	142	7553	37.905	ng/ml	99
14) 2-Chloronaphthalene	3.612	162	8084	37.606	ng/ml	88
15) 2,6-Dinitrotoluene	3.803	165	841	28.905	ng/ml#	80
16) Acenaphthylene	3.844	152	11676	36.690	ng/ml	100
18) Acenaphthene	3.942	153	8420	37.914	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L5.D
Acq On : 25 Oct 2024 06:12 pm
Operator : SV118:dv
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG1990947,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 11:32:30 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:03 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.029	165	929	46.482	ng/ml#	83
20) Fluorene	4.228	166	8892	37.582	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.255	198	398	46.224	ng/ml	89
24) Hexachlorobenzene	4.544	284	3484	37.670	ng/ml	97
25) Pentachlorophenol	4.652	266	1183M6	34.388	ng/ml	
26) Phenanthrene	4.769	178	14592M3	38.264	ng/ml	
27) Anthracene	4.796	178	14074	37.606	ng/ml	100
28) Fluoranthene	5.437	202	16065M6	37.634	ng/ml	
29) Pyrene	5.562	202	16815	37.081	ng/ml	100
32) Benzo[a]anthracene	6.270	226	4816	34.093	ng/ml#	70
33) 3,3'-Dichlorobenzidine	6.253	252	4908	32.594	ng/ml	99
34) Chrysene	6.292	228	16771	38.543	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.289	149	7113	28.348	ng/ml	92
37) Benzo[b]fluoranthene	7.108	252	13512	35.306	ng/ml	99
38) Benzo[k]fluoranthene	7.132	252	15077	37.156	ng/ml	97
39) Benzo[a]pyrene	7.422	252	11885	35.151	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.709	276	10333	32.781	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.745	278	10810M6	33.689	ng/ml	
42) Benzo[g,h,i]perylene	9.054	276	11799	35.708	ng/ml#	89

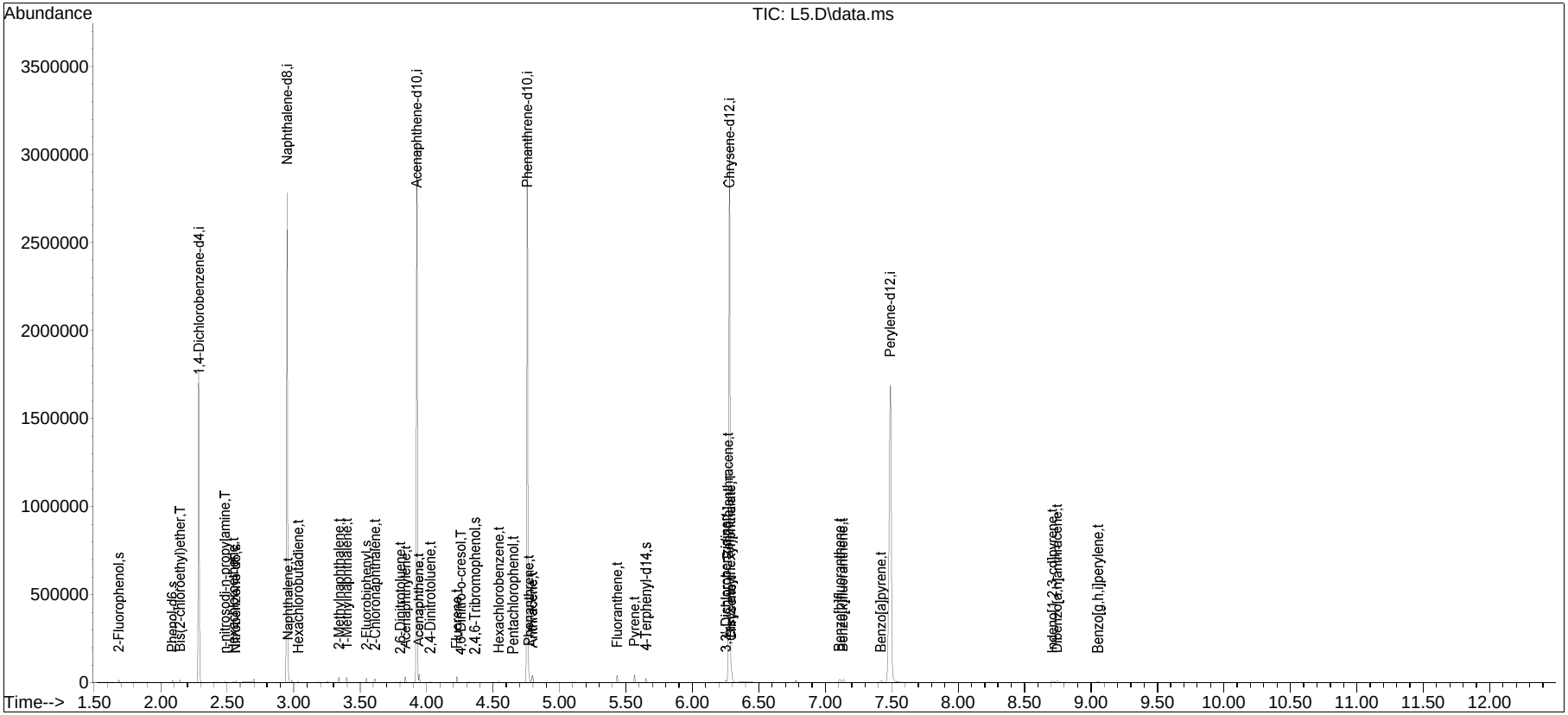
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L5.D
Acq On : 25 Oct 2024 06:12 pm
Operator : SV118:dv
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG1990947,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 11:32:30 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:03 2024
Response via : Initial Calibration

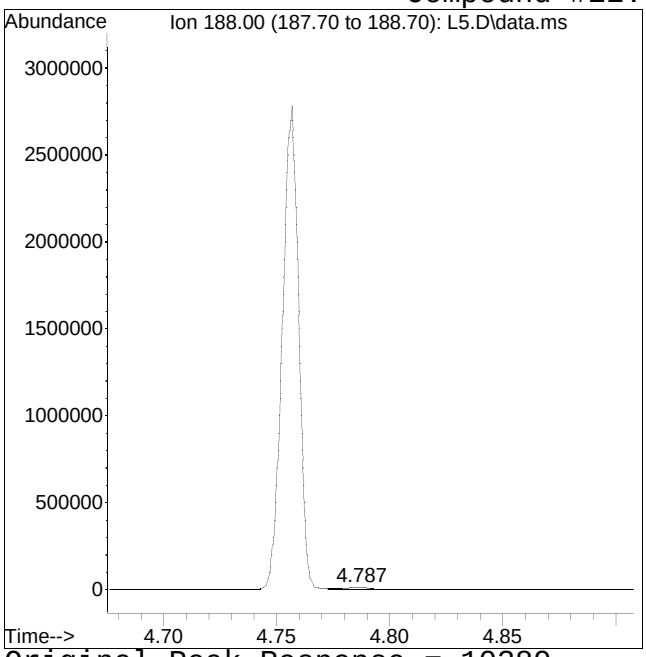
Sub List : Default - All compounds listedical\L8.D•

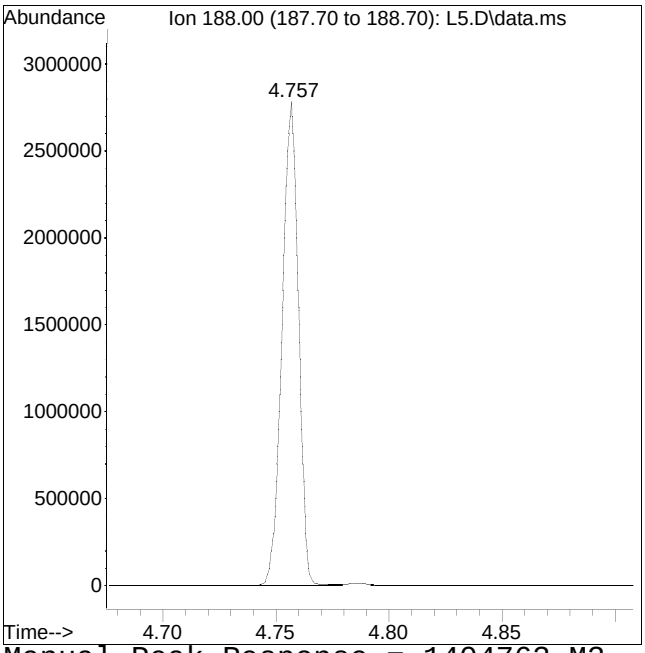


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #22: Phenanthrene-d10



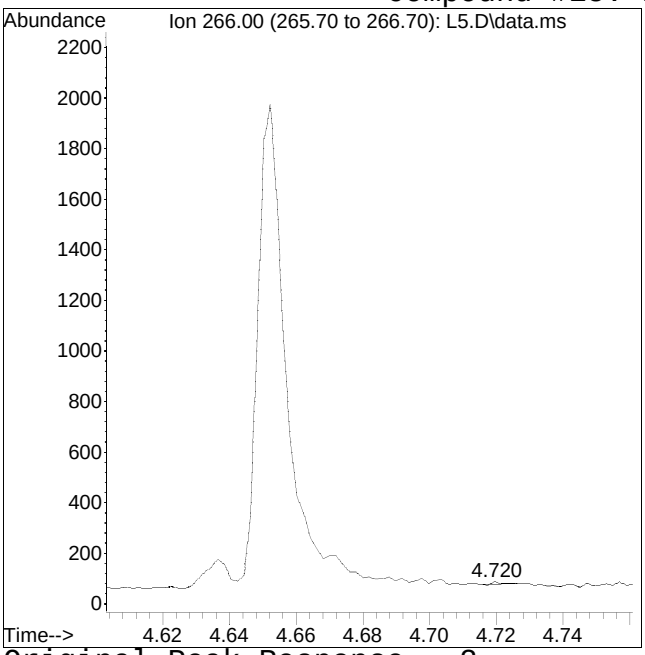


Original Peak Response = 10389 Manual Peak Response = 1404763 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

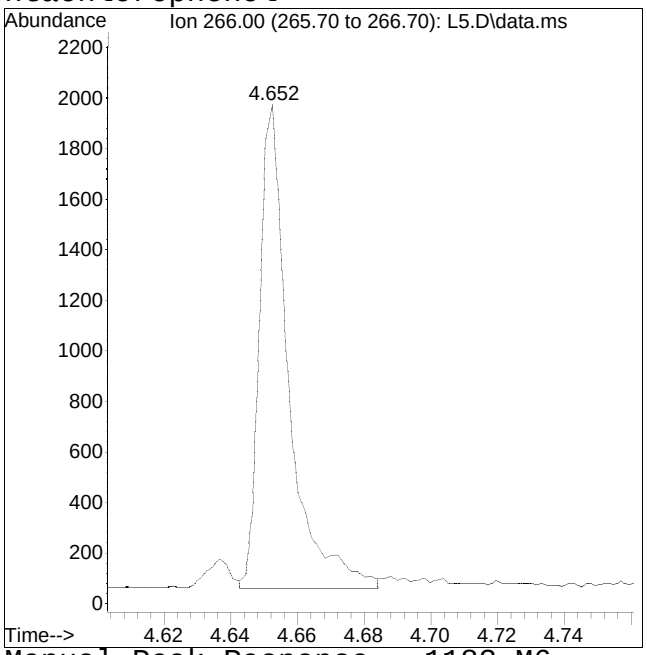
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol



Original Peak Response = 2



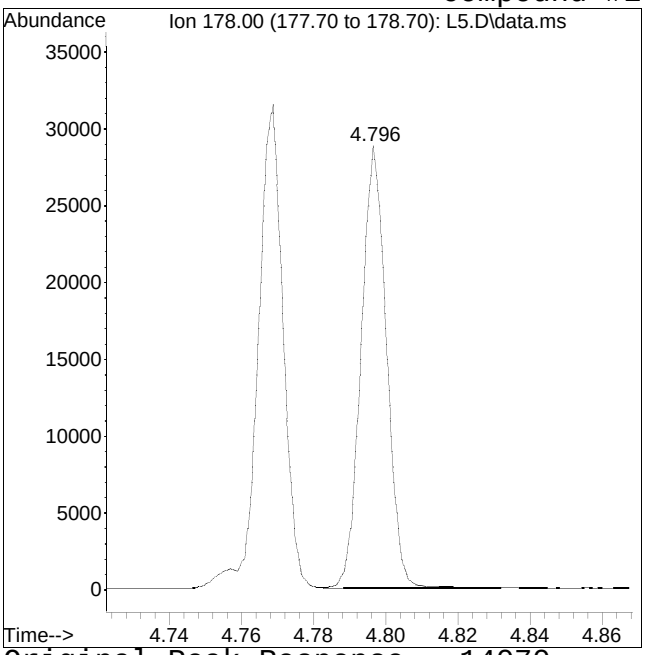
Manual Peak Response = 1183 M6

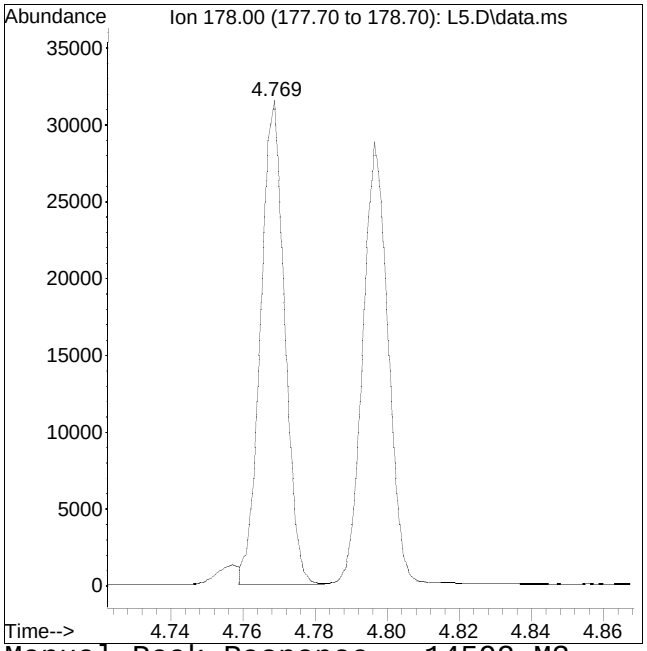
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #26: Phenanthrene



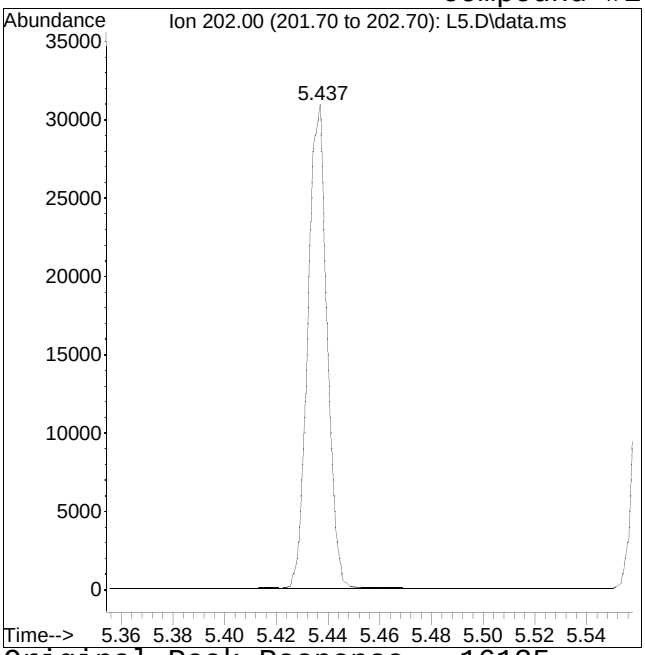


Original Peak Response = 14070 Manual Peak Response = 14592 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

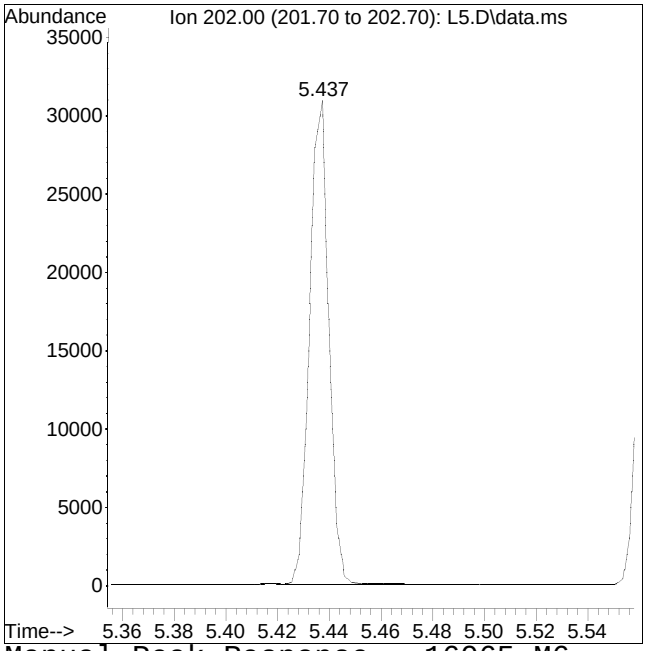
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #28: Fluoranthene



Original Peak Response = 16135



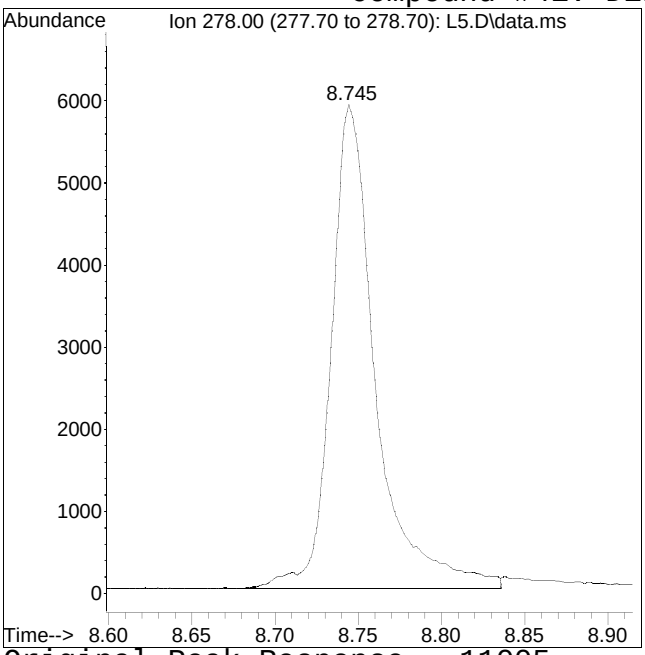
Manual Peak Response = 16065 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

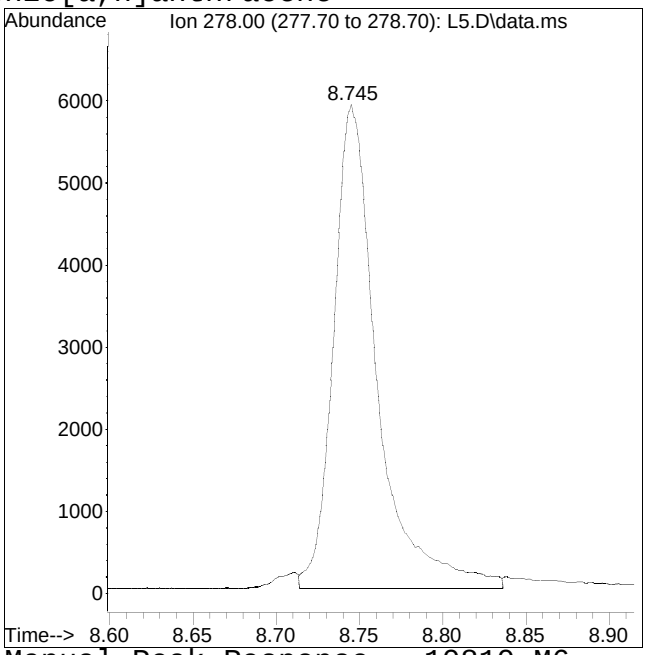
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 11005



Manual Peak Response = 10810 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L4.D
Acq On : 25 Oct 2024 06:29 pm
Operator : SV118:dv
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG1990947,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 11:32:23 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.282	152	284775	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 66.25%			
8) Naphthalene-d8	2.950	136	1020186	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 64.80%			
17) Acenaphthene-d10	3.927	164	546734	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 63.28%			
22) Phenanthrene-d10	4.757	188	1133012M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 64.55%			
31) Chrysene-d12	6.278	240	1188422	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 70.21%			
36) Perylene-d12	7.487	264	1231399	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 68.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.680	112	754	9.365	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
3) Phenol-d6	2.088	99	932	9.420	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
7) Nitrobenzene-d5	2.563	82	585	9.159	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.92%#			
13) 2-Fluorobiphenyl	3.547	172	1855	9.457	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
21) 2,4,6-Tribromophenol	4.366	330	211	8.375	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.42%#			
30) 4-Terphenyl-d14	5.653	244	2112M3	9.110	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.91%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	863	7.805	ng/ml	94
5) n-nitrosodi-n-propylamine	2.484	70	573	9.157	ng/ml	97
6) Hexachloroethane	2.546	117	340	9.516	ng/ml	89
9) Naphthalene	2.962	128	2659M7	9.901	ng/ml	
10) Hexachlorobutadiene	3.033	225	463	9.714	ng/ml	97
11) 2-Methylnaphthalene	3.342	142	1637	9.517	ng/ml	98
12) 1-Methylnaphthalene	3.397	142	1490	9.311	ng/ml	95
14) 2-Chloronaphthalene	3.611	162	1615	9.355	ng/ml#	85
15) 2,6-Dinitrotoluene	3.802	165	217M4	9.287	ng/ml	
16) Acenaphthylene	3.845	152	2296	8.984	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L4.D
Acq On : 25 Oct 2024 06:29 pm
Operator : SV118:dv
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG1990947,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 11:32:23 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.943	153	1721	9.629	ng/ml	98
19) 2,4-Dinitrotoluene	4.030	165	174	29.998	ng/ml#	88
20) Fluorene	4.232	166	1782	9.358	ng/ml	95
23) 4,6-Dinitro-o-cresol	4.260	198	56M6	28.139	ng/ml	
24) Hexachlorobenzene	4.544	284	719	9.639	ng/ml	98
25) Pentachlorophenol	4.655	266	220M3	7.929	ng/ml	
26) Phenanthrene	4.769	178	2970M3	9.656	ng/ml	
27) Anthracene	4.799	178	2813M4	9.319	ng/ml	
28) Fluoranthene	5.437	202	3196M3	9.283	ng/ml	
29) Pyrene	5.565	202	3386M3	9.258	ng/ml	
32) Benzo[a]anthracene	6.271	226	1220	10.482	ng/ml#	8
33) 3,3'-Dichlorobenzidine	6.253	252	945	7.617	ng/ml#	98
34) Chrysene	6.293	228	3361M4	9.375	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.288	149	2112M6	10.216	ng/ml	
37) Benzo[b]fluoranthene	7.109	252	2756	8.681	ng/ml	99
38) Benzo[k]fluoranthene	7.133	252	2927	8.696	ng/ml	97
39) Benzo[a]pyrene	7.421	252	2377	8.475	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.708	276	2088	7.985	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.746	278	2021M1	7.593	ng/ml	
42) Benzo[g,h,i]perylene	9.053	276	2317	8.453	ng/ml#	85

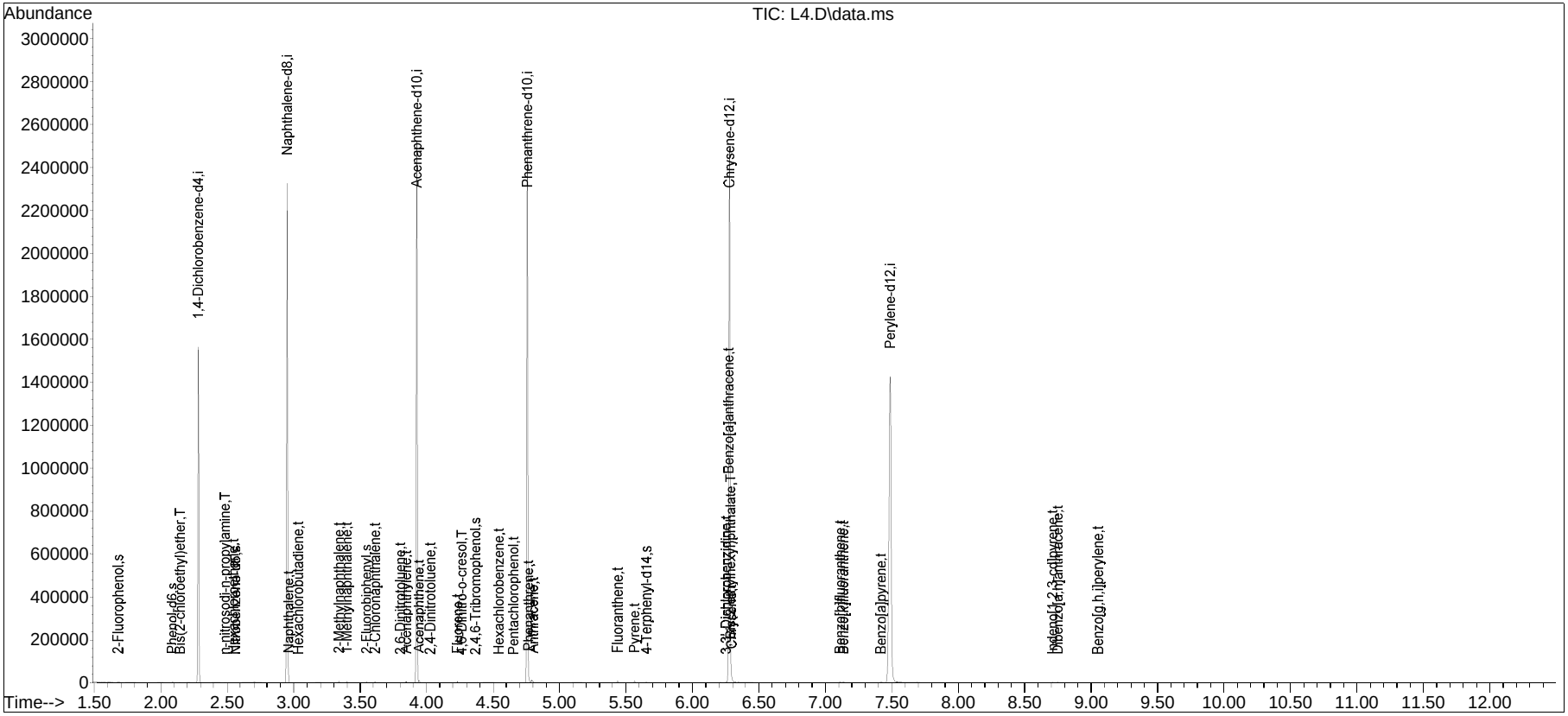
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L4.D
Acq On : 25 Oct 2024 06:29 pm
Operator : SV118:dv
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG1990947,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 11:32:23 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:55 2024
Response via : Initial Calibration

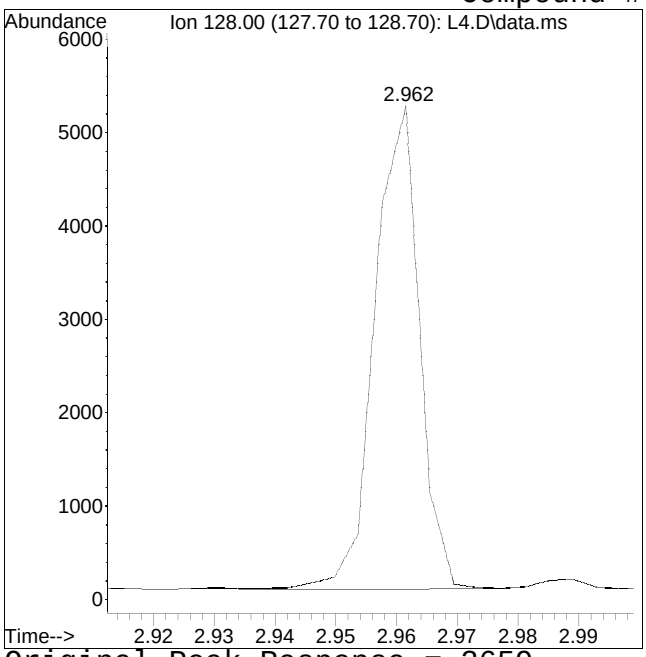
Sub List : Default - All compounds listedical\L8.D•

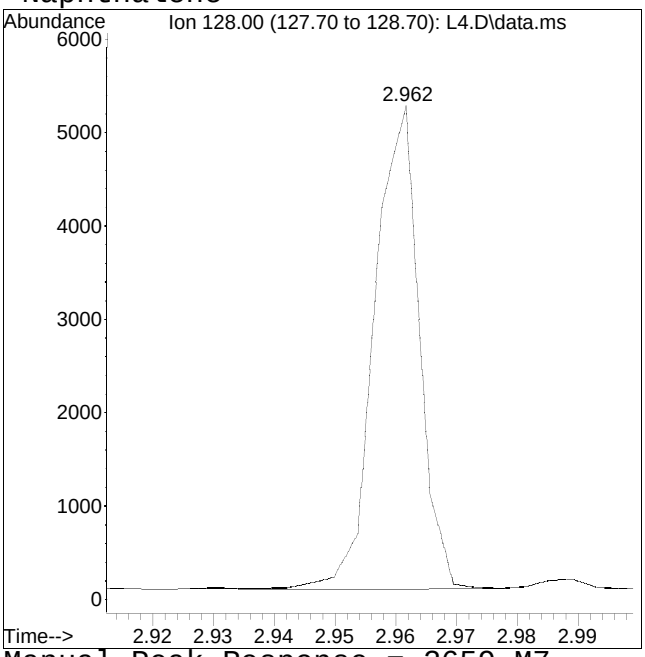


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #9: Naphthalene





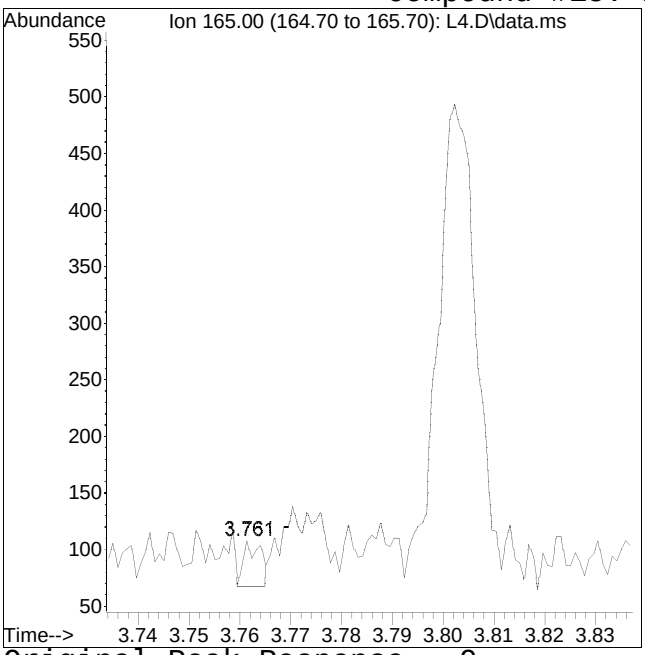
Original Peak Response = 2659 Manual Peak Response = 2659 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

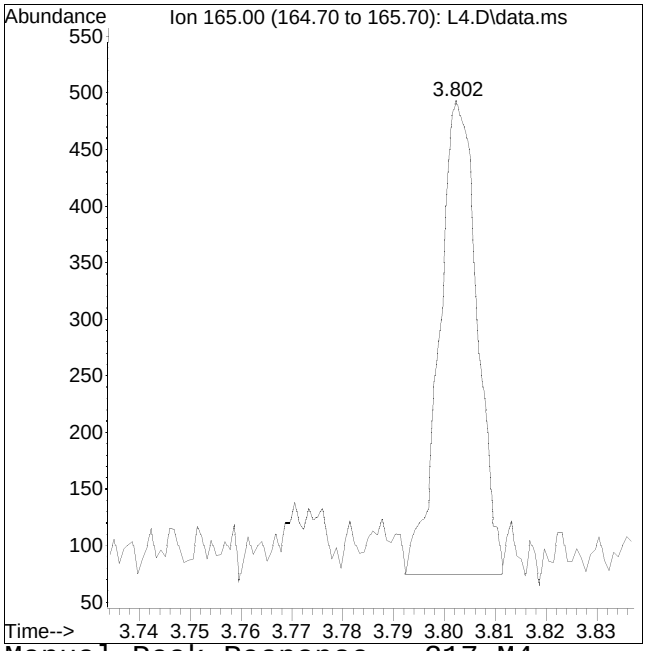
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L4.D
Date Inj'd : 10/25/2024 6:29 pm
Sample : IL4,32,, #10892 10 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:33 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 9



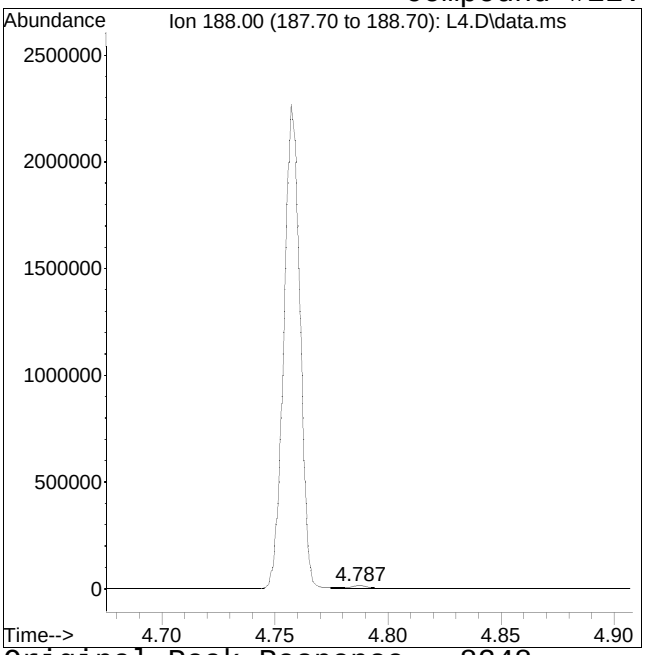
Manual Peak Response = 217 M4

M4 = Poor automated baseline construction.

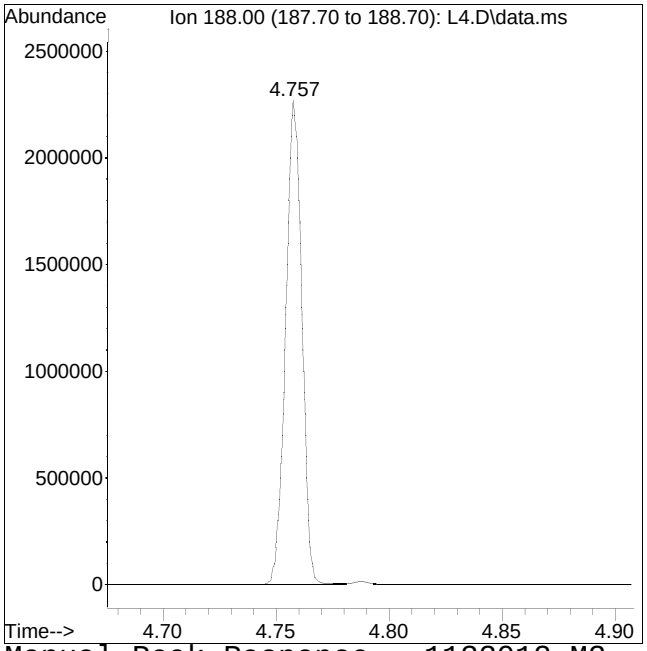
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



Original Peak Response = 8248



Manual Peak Response = 1133012 M3

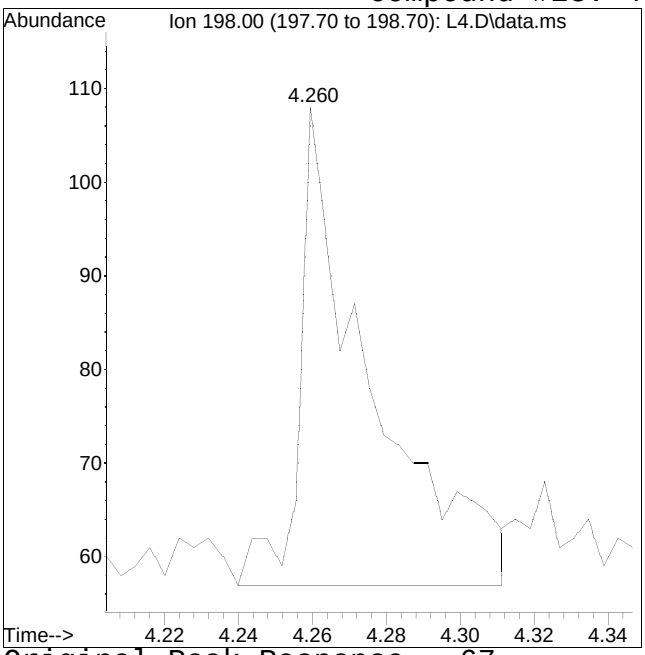
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

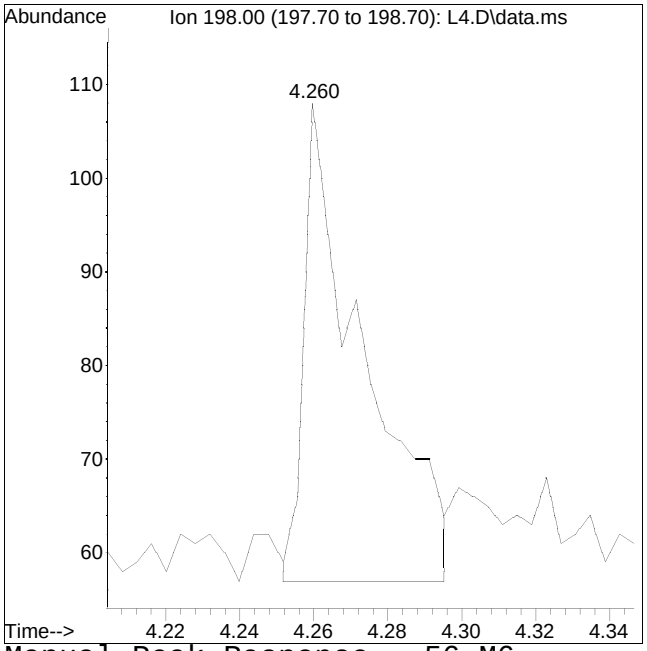
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L4.D
Date Inj'd : 10/25/2024 6:29 pm
Sample : IL4,32,, #10892 10 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:33 am

Compound #23: 4,6-Dinitro-o-cresol



Original Peak Response = 67



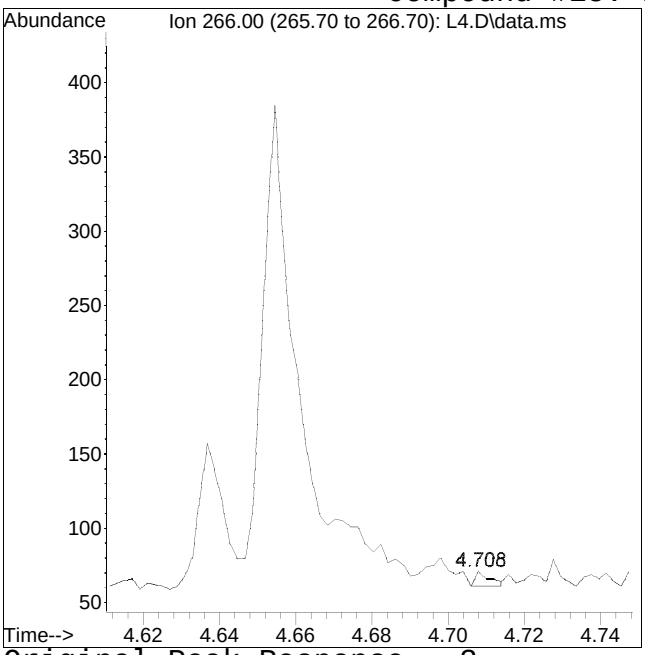
Manual Peak Response = 56 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

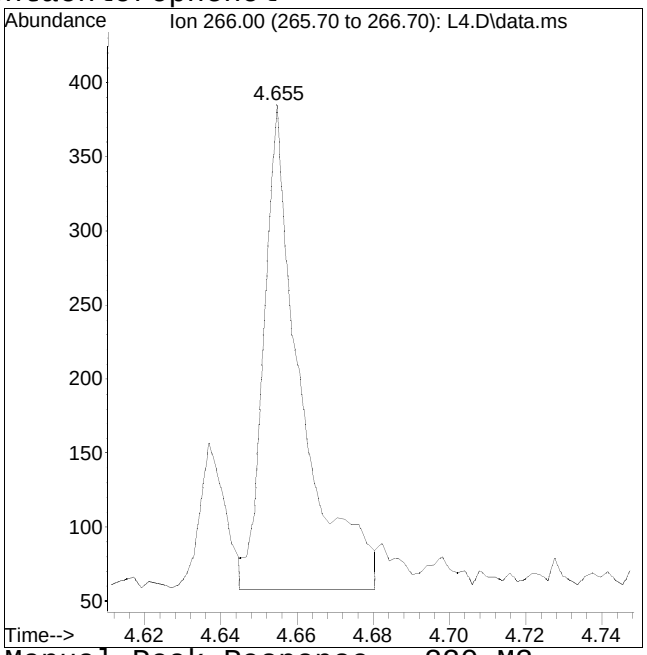
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #25: Pentachlorophenol



Original Peak Response = 3



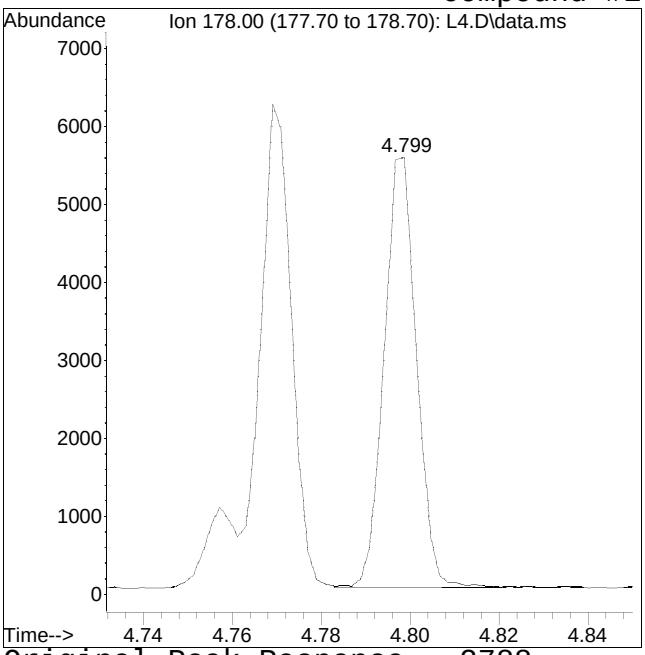
Manual Peak Response = 220 M3

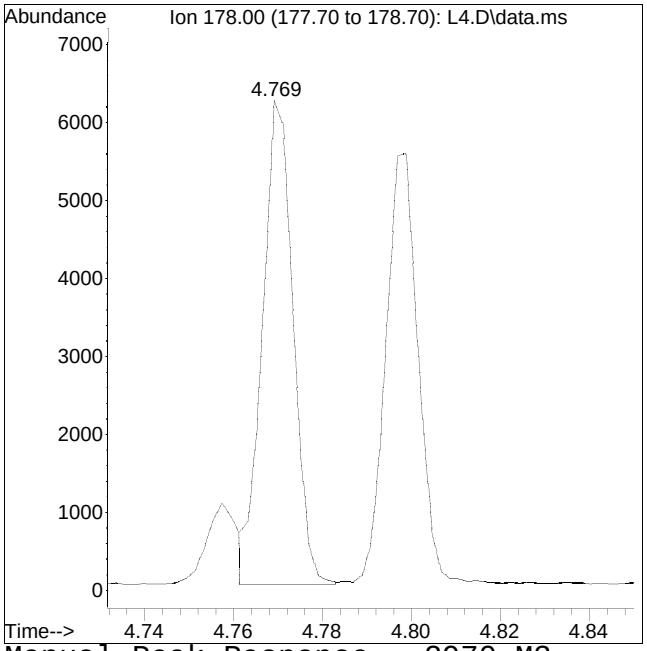
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #26: Phenanthrene



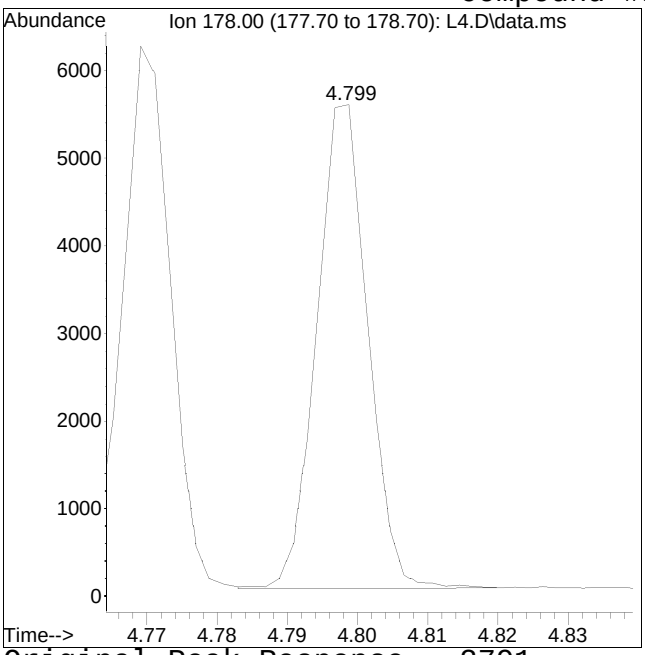


Original Peak Response = 2788 Manual Peak Response = 2970 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

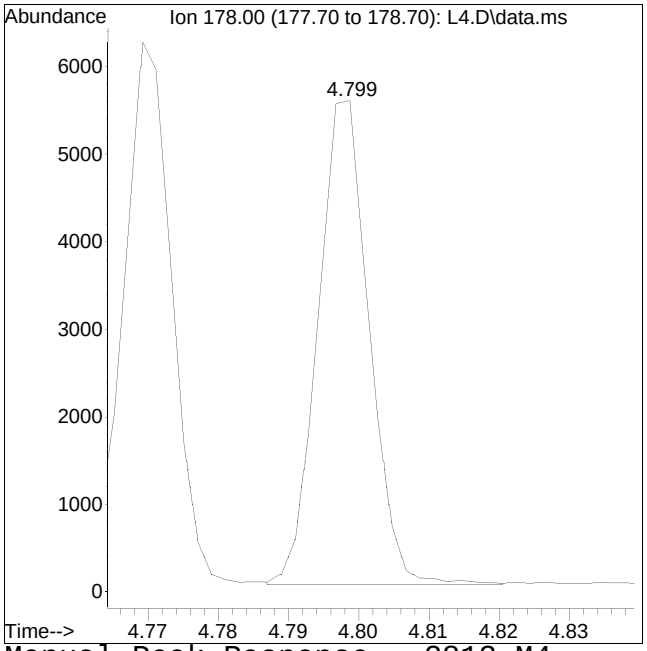
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #27: Anthracene



Original Peak Response = 2791



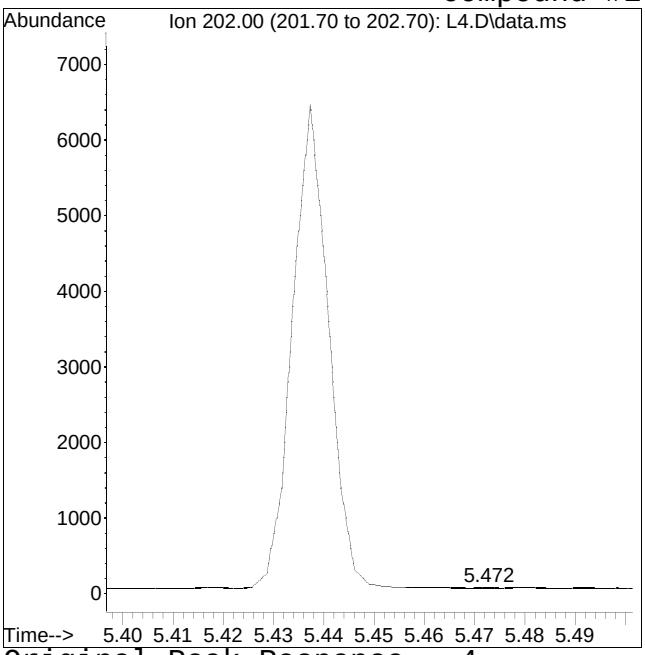
Manual Peak Response = 2813 M4

M4 = Poor automated baseline construction.

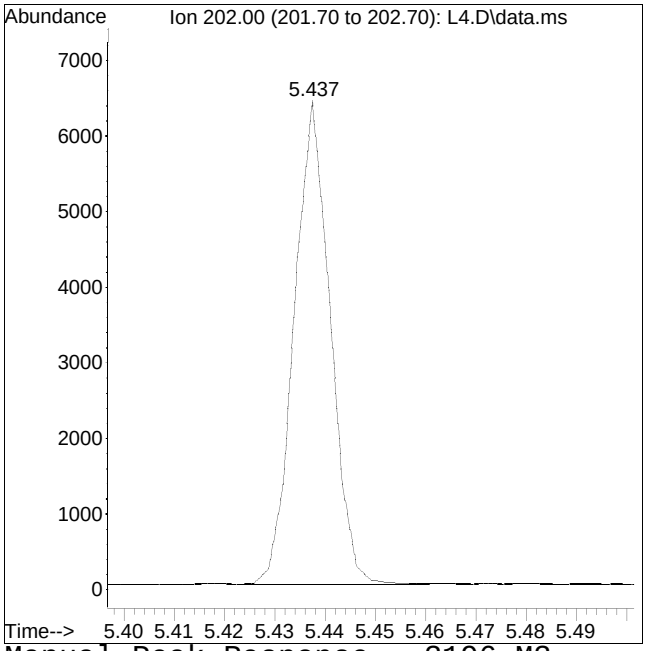
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene



Original Peak Response = 4



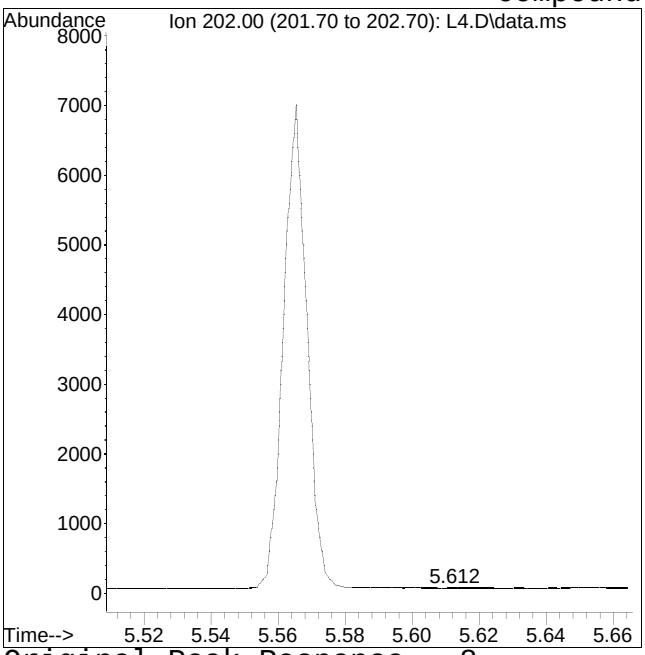
Manual Peak Response = 3196 M3

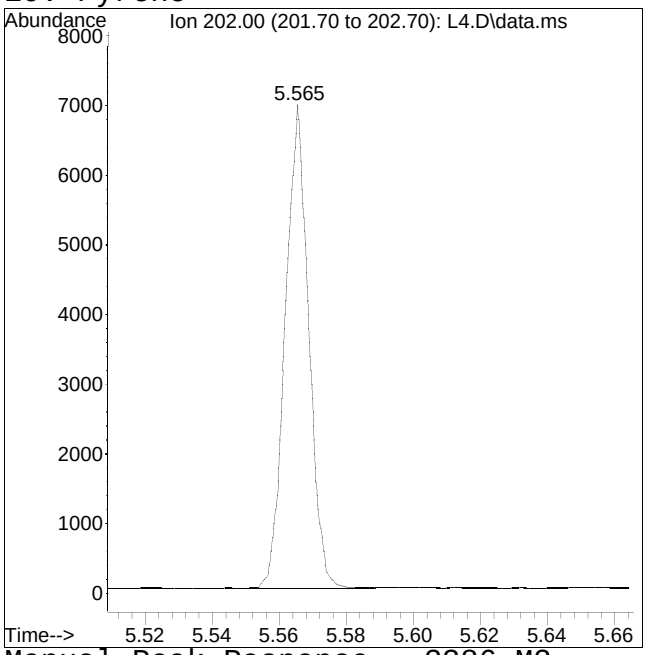
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #29: Pyrene





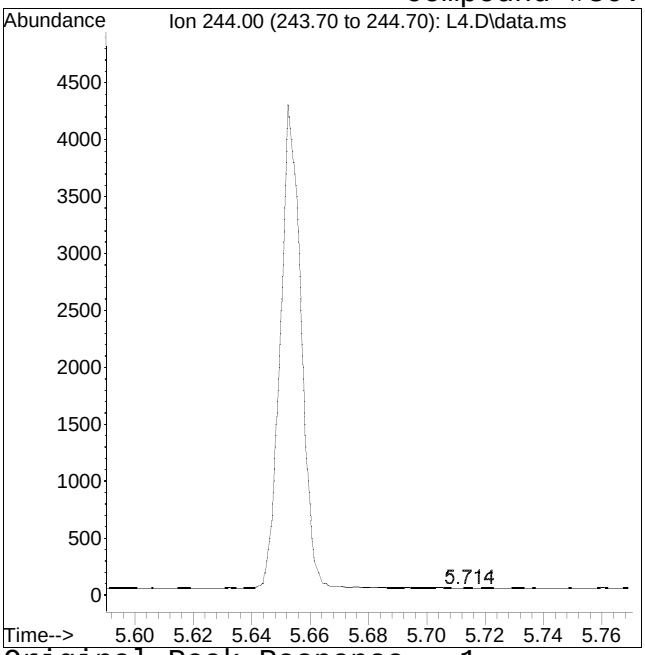
Original Peak Response = 8 Manual Peak Response = 3386 M3

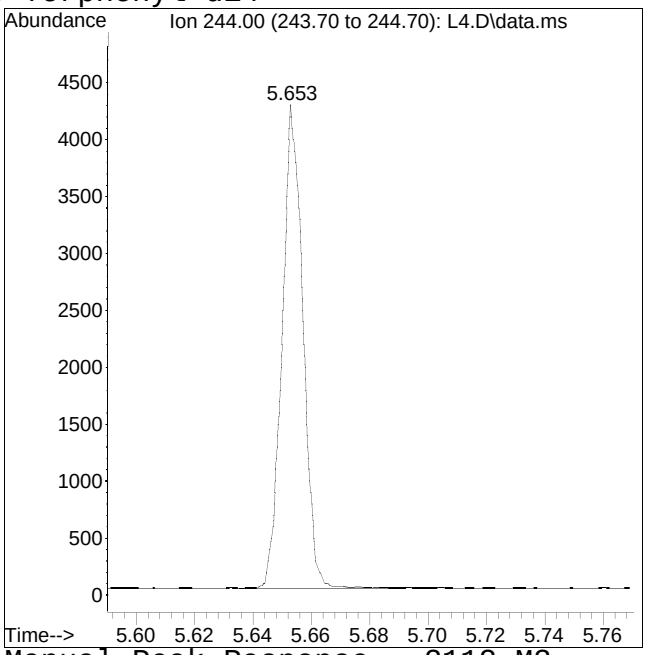
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14





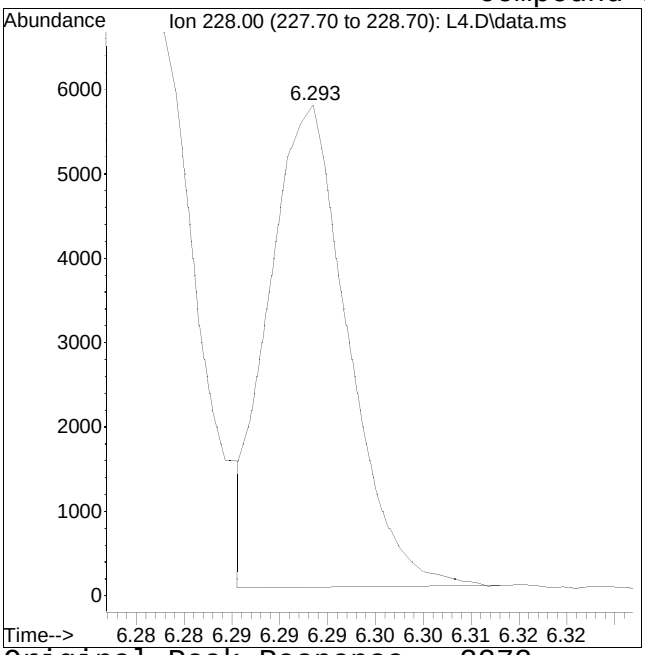
Original Peak Response = 1 Manual Peak Response = 2112 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

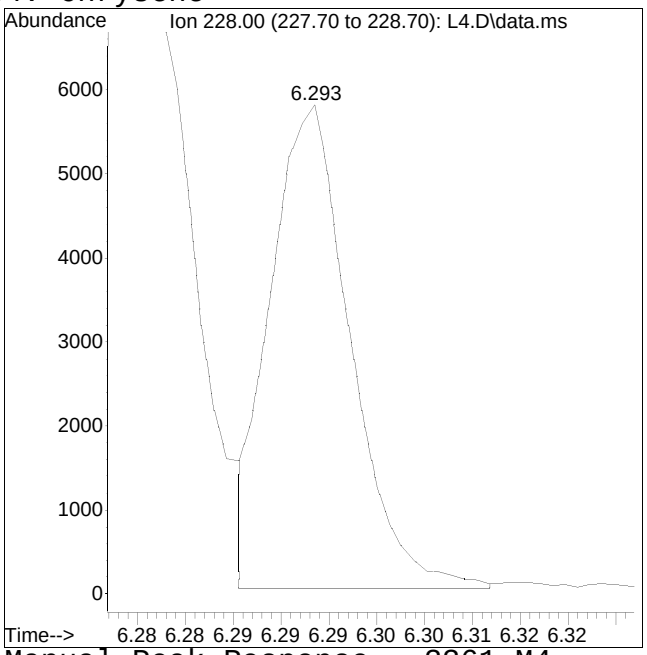
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #34: Chrysene



Original Peak Response = 3272



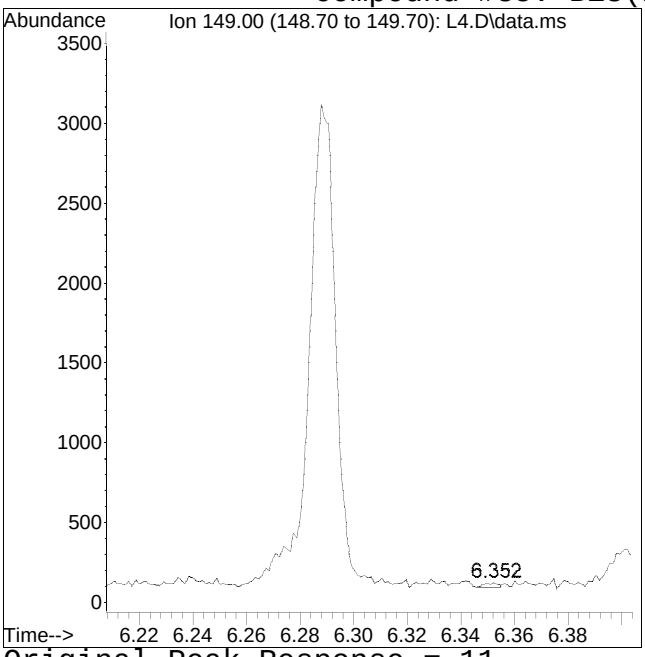
Manual Peak Response = 3361 M4

M4 = Poor automated baseline construction.

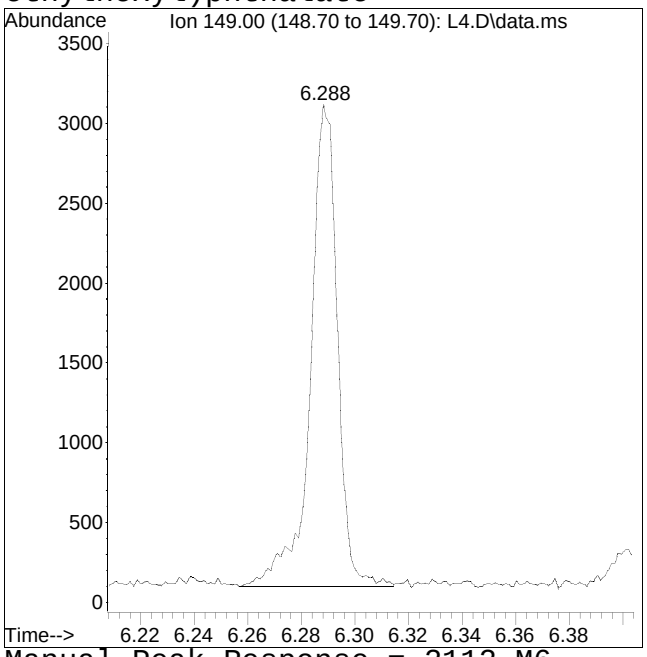
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 11



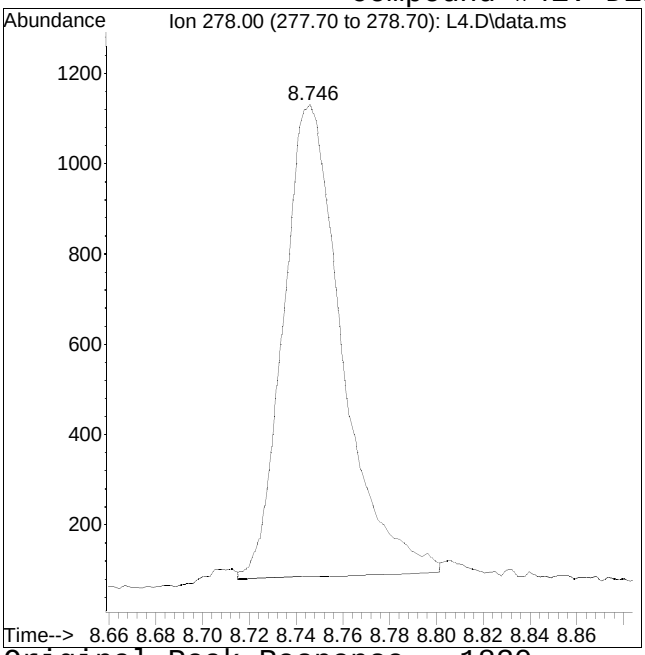
Manual Peak Response = 2112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

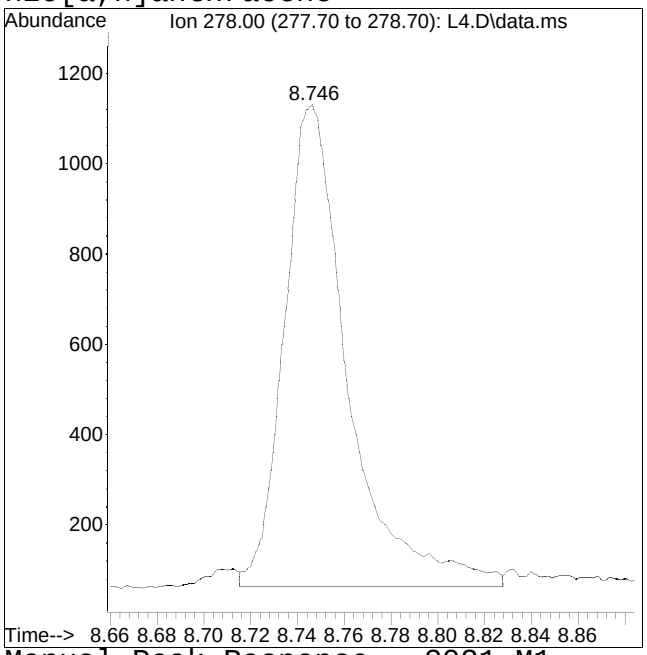
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1830



Manual Peak Response = 2021 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L3.D
Acq On : 25 Oct 2024 06:46 pm
Operator : SV118:dv
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG1990947,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 11:32:15 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	408539	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 95.05%			
8) Naphthalene-d8	2.950	136	1470923	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 93.43%			
17) Acenaphthene-d10	3.927	164	796441	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 92.18%			
22) Phenanthrene-d10	4.759	188	1650601M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 94.03%			
31) Chrysene-d12	6.280	240	1720270	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 101.63%			
36) Perylene-d12	7.491	264	1776982	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 98.99%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.690	112	556	4.814	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
3) Phenol-d6	2.091	99	679	4.784	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.566	82	414	4.518	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.45%#			
13) 2-Fluorobiphenyl	3.547	172	1387	4.904	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.49%#			
21) 2,4,6-Tribromophenol	4.366	330	169	4.605	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.23%#			
30) 4-Terphenyl-d14	5.652	244	1666M3	4.933	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.49%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.149	93	655	2.976	ng/ml	94
5) n-nitrosodi-n-propylamine	2.487	70	432	4.813	ng/ml	97
6) Hexachloroethane	2.546	117	262	5.112	ng/ml	82
9) Naphthalene	2.962	128	2003M7	5.173	ng/ml	
10) Hexachlorobutadiene	3.037	225	354	5.151	ng/ml	99
11) 2-Methylnaphthalene	3.343	142	1228	4.951	ng/ml	97
12) 1-Methylnaphthalene	3.397	142	1145	4.962	ng/ml	98
14) 2-Chloronaphthalene	3.612	162	1239	4.978	ng/ml#	85
15) 2,6-Dinitrotoluene	3.805	165	178M4	5.283	ng/ml	
16) Acenaphthylene	3.846	152	1751	4.752	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L3.D
Acq On : 25 Oct 2024 06:46 pm
Operator : SV118:dv
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG1990947,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 11:32:15 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.945	153	1330	5.108	ng/ml	95
19) 2,4-Dinitrotoluene	4.032	165	158M4	28.115	ng/ml	
20) Fluorene	4.232	166	1333	4.806	ng/ml	94
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.546	284	532M3	4.895	ng/ml	
25) Pentachlorophenol	4.654	266	192M6	4.750	ng/ml	
26) Phenanthrene	4.771	178	2289M3	5.108	ng/ml	
27) Anthracene	4.798	178	2178	4.953	ng/ml	98
28) Fluoranthene	5.437	202	2444M3	4.873	ng/ml	
29) Pyrene	5.565	202	2611M3	4.900	ng/ml	
32) Benzo[a]anthracene	6.273	226	1172	6.957	ng/ml#	1
33) 3,3'-Dichlorobenzidine	6.251	252	693	3.859	ng/ml#	89
34) Chrysene	6.294	228	2695	5.193	ng/ml#	97
35) Bis(2-ethylhexyl)phtha...	6.289	149	1737M3	5.804	ng/ml	
37) Benzo[b]fluoranthene	7.108	252	2126	4.641	ng/ml	100
38) Benzo[k]fluoranthene	7.134	252	2218	4.566	ng/ml	99
39) Benzo[a]pyrene	7.422	252	1767	4.366	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.711	276	1526	4.044	ng/ml#	84
41) Dibenzo[a,h]anthracene	8.745	278	1460M6	3.801	ng/ml	
42) Benzo[g,h,i]perylene	9.051	276	1734	4.384	ng/ml#	88

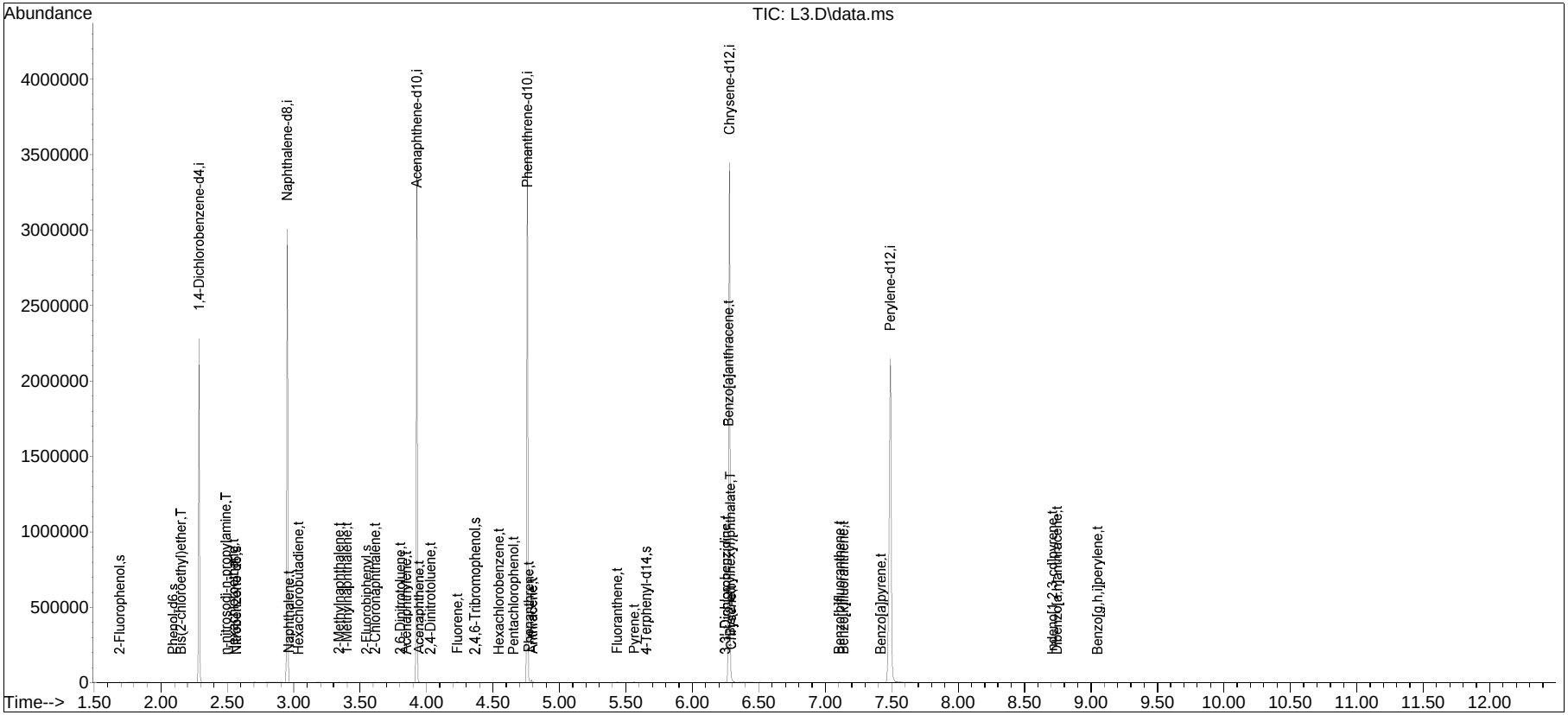
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L3.D
Acq On : 25 Oct 2024 06:46 pm
Operator : SV118:dv
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG1990947,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 11:32:15 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:47 2024
Response via : Initial Calibration

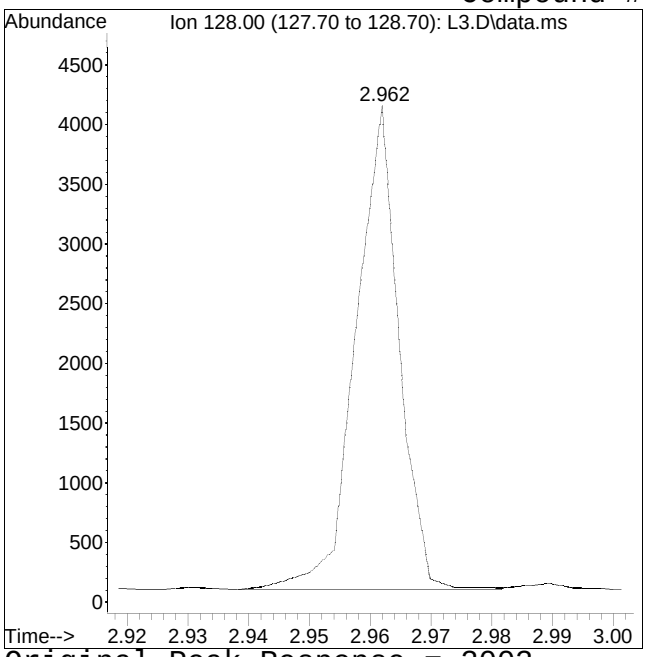
Sub List : Default - All compounds listedical\L8.D•

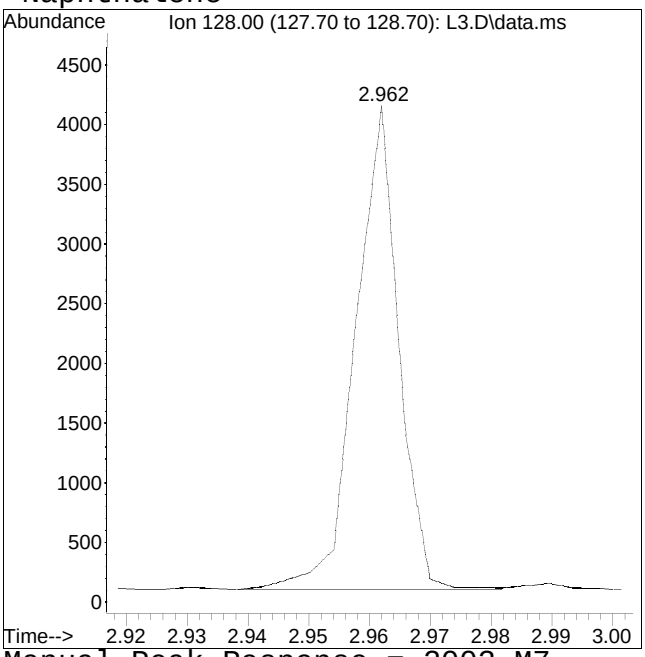


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #9: Naphthalene



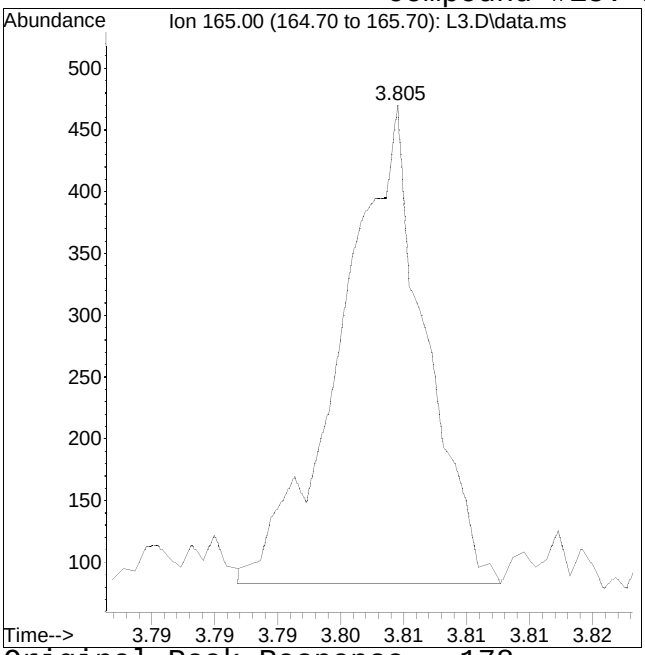


Original Peak Response = 2003 Manual Peak Response = 2003 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

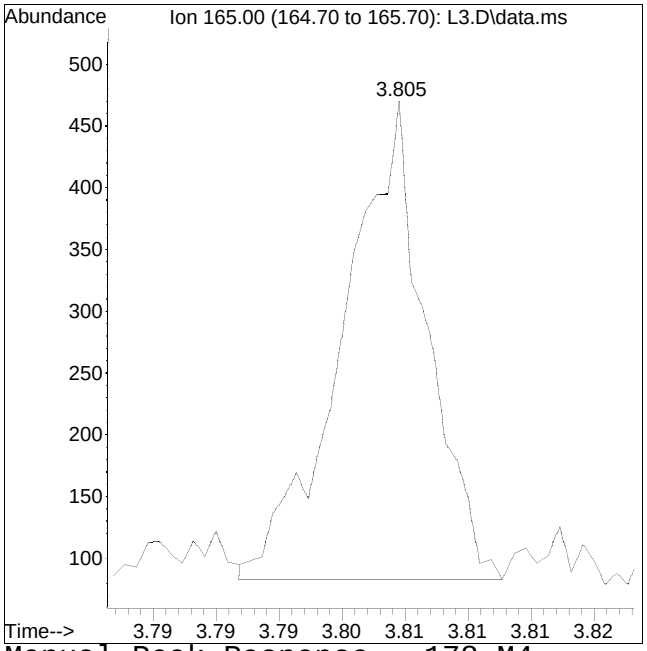
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 178



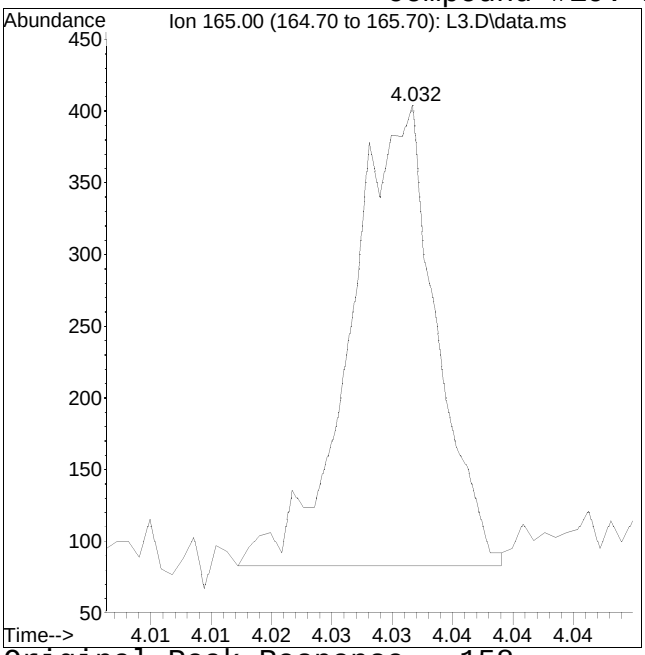
Manual Peak Response = 178 M4

M4 = Poor automated baseline construction.

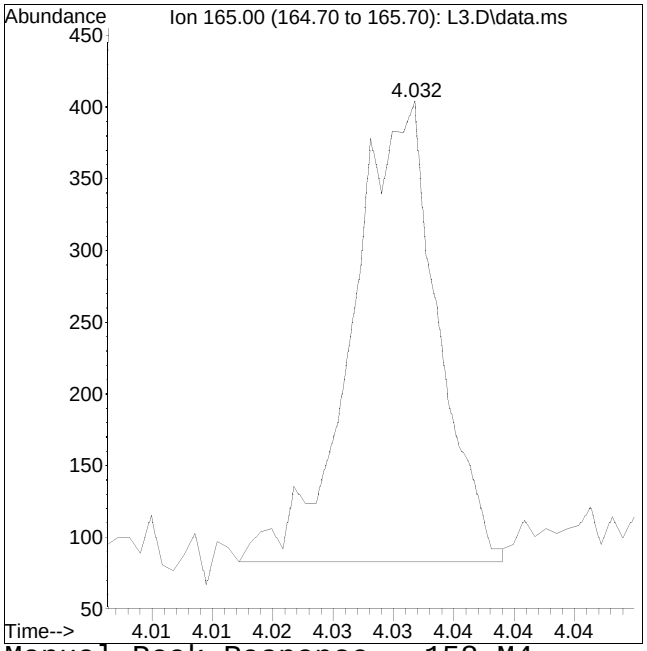
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #19: 2,4-Dinitrotoluene



Original Peak Response = 158



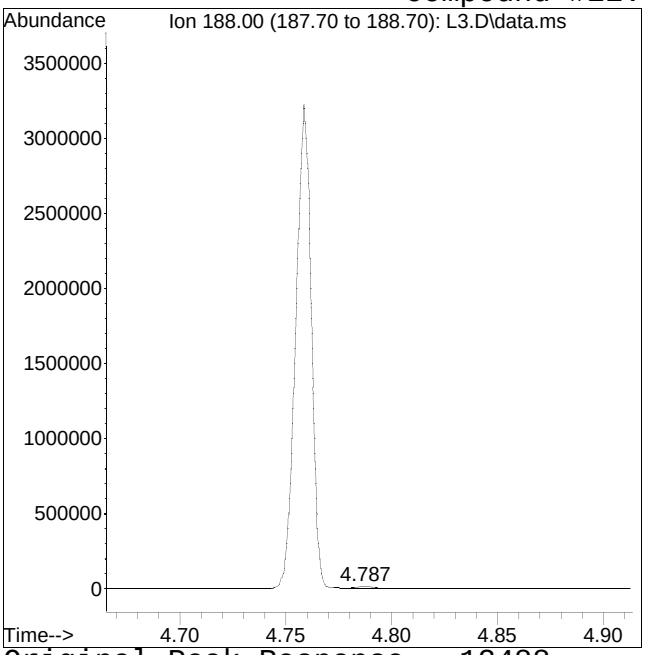
Manual Peak Response = 158 M4

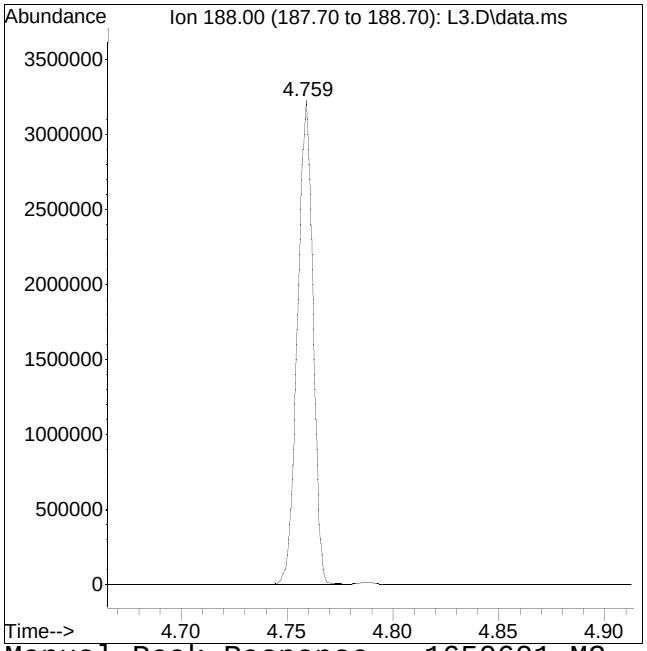
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



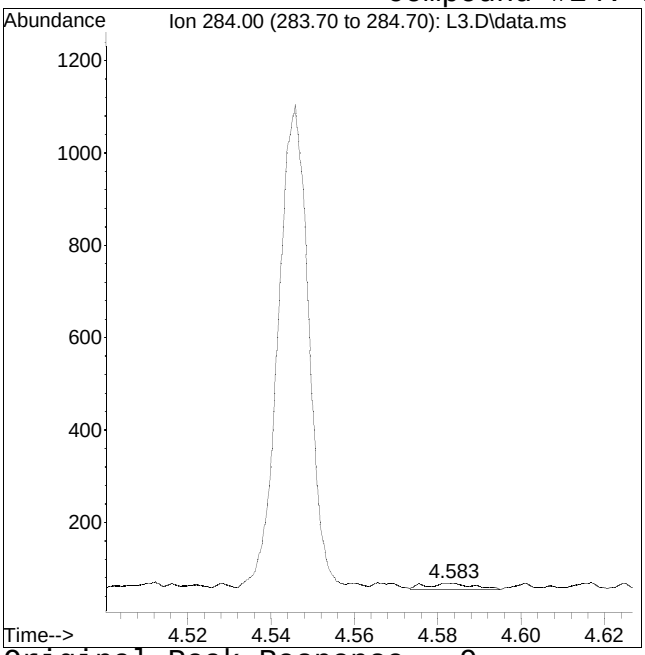


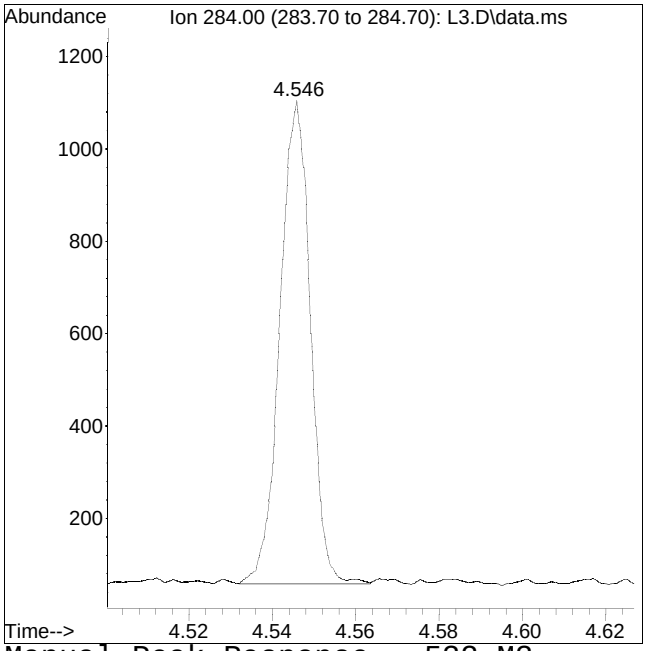
Original Peak Response = 12488 Manual Peak Response = 1650601 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #24: Hexachlorobenzene





Original Peak Response = 9 Manual Peak Response = 532 M3

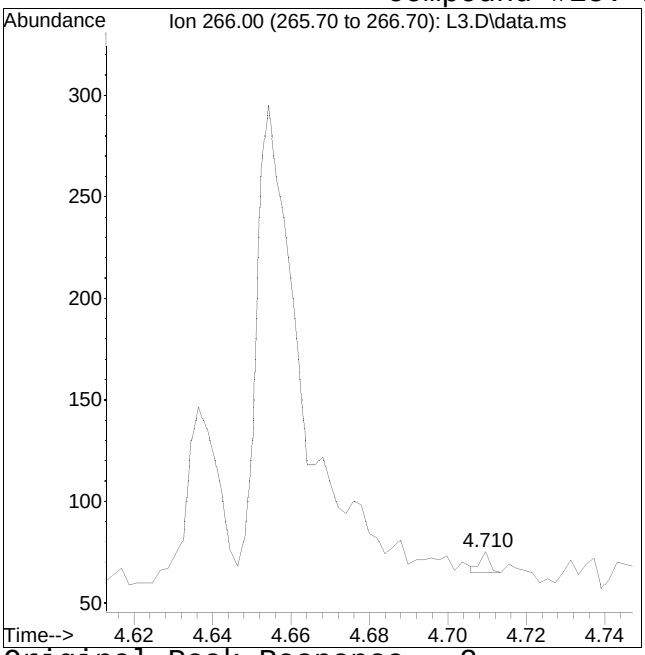
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

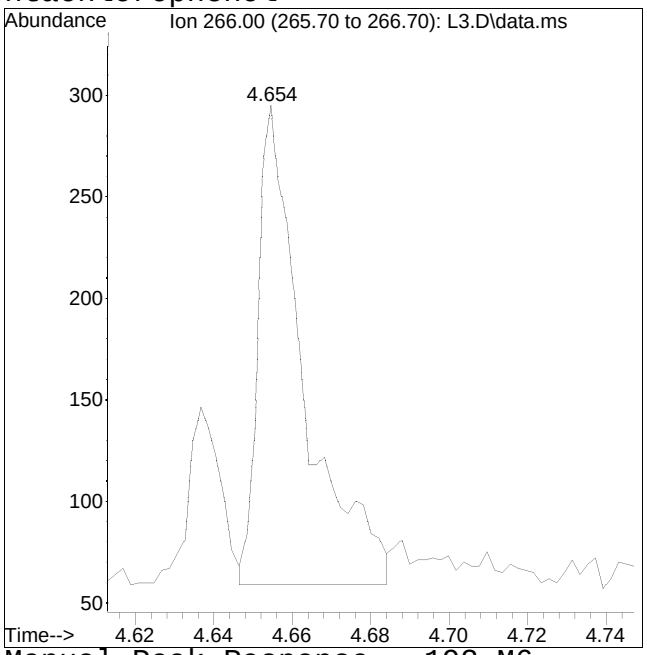
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L3.D
Date Inj'd : 10/25/2024 6:46 pm
Sample : IL3,32,, #10893 5 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:33 am

Compound #25: Pentachlorophenol



Original Peak Response = 2



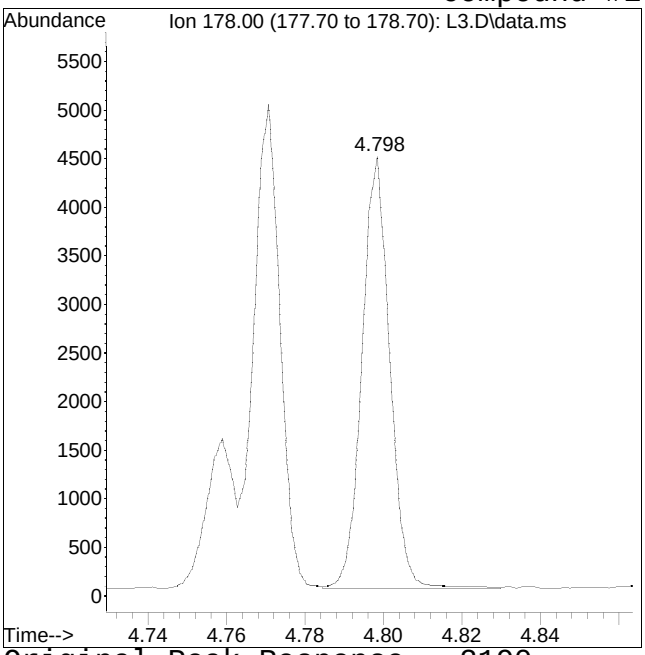
Manual Peak Response = 192 M6

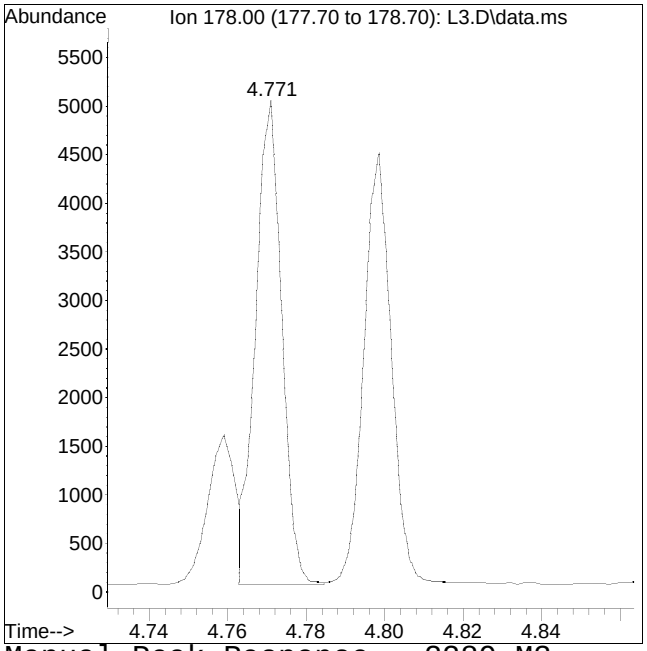
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #26: Phenanthrene



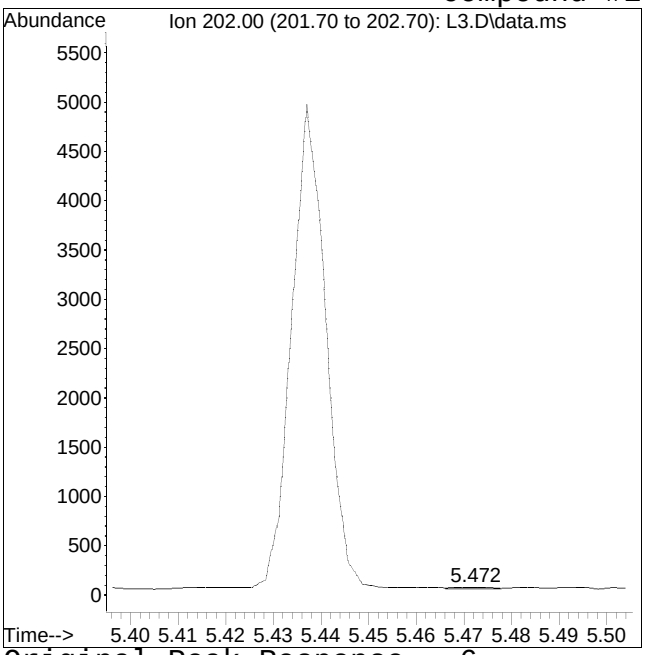


Original Peak Response = 2190 Manual Peak Response = 2289 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

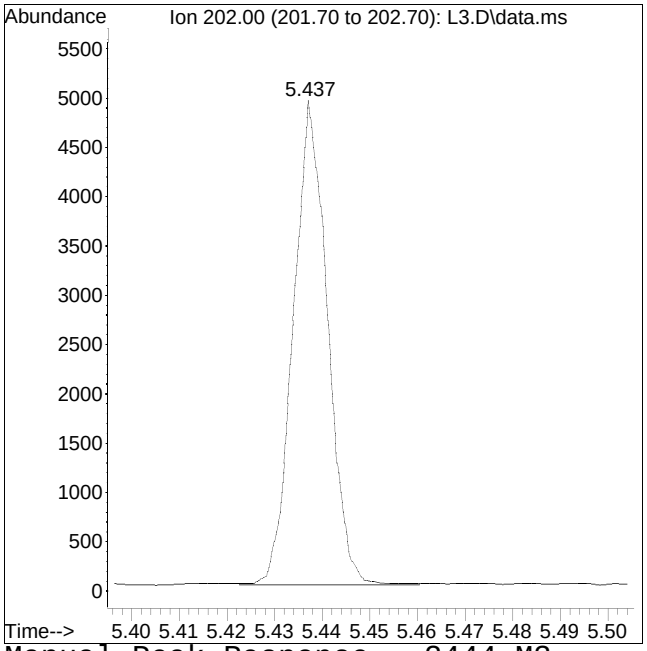
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene



Original Peak Response = 6



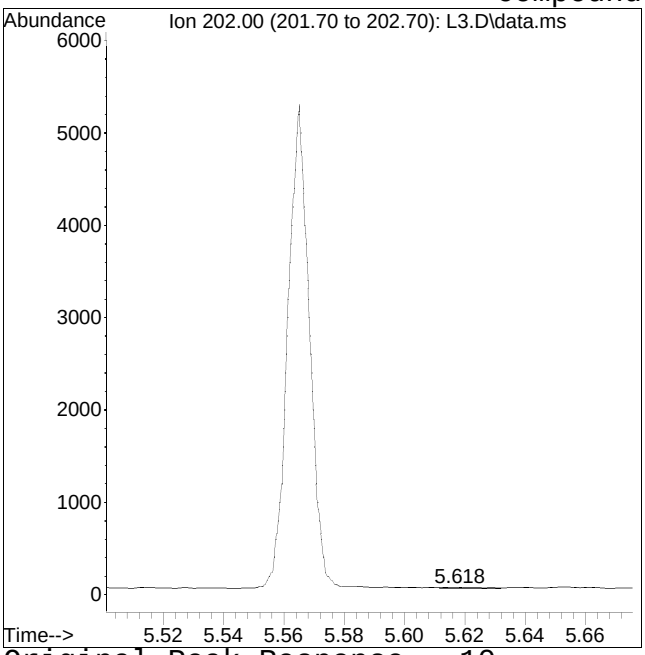
Manual Peak Response = 2444 M3

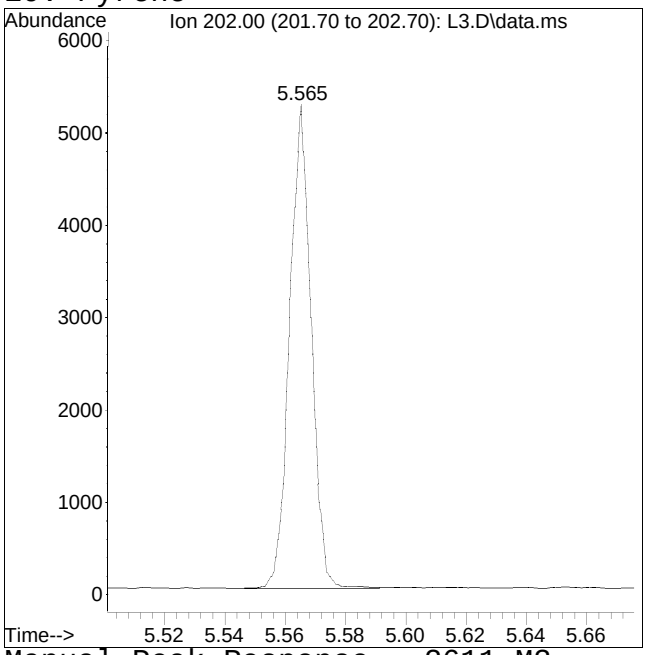
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #29: Pyrene





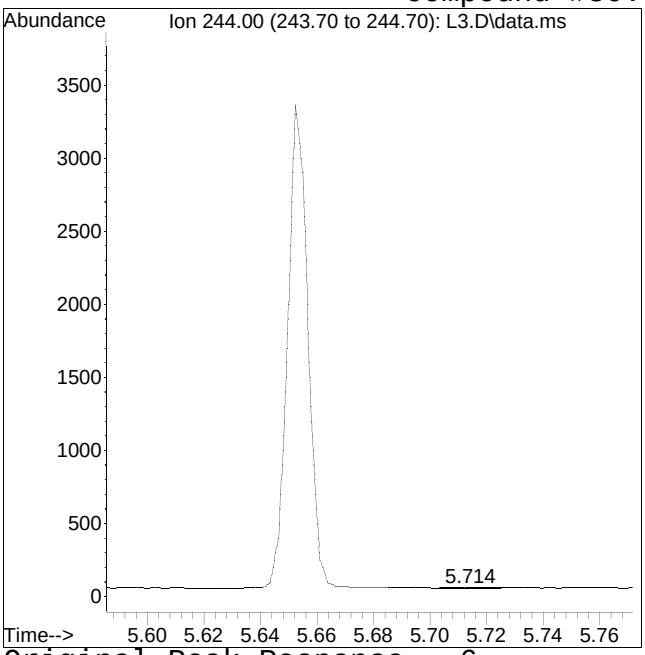
Original Peak Response = 10 Manual Peak Response = 2611 M3

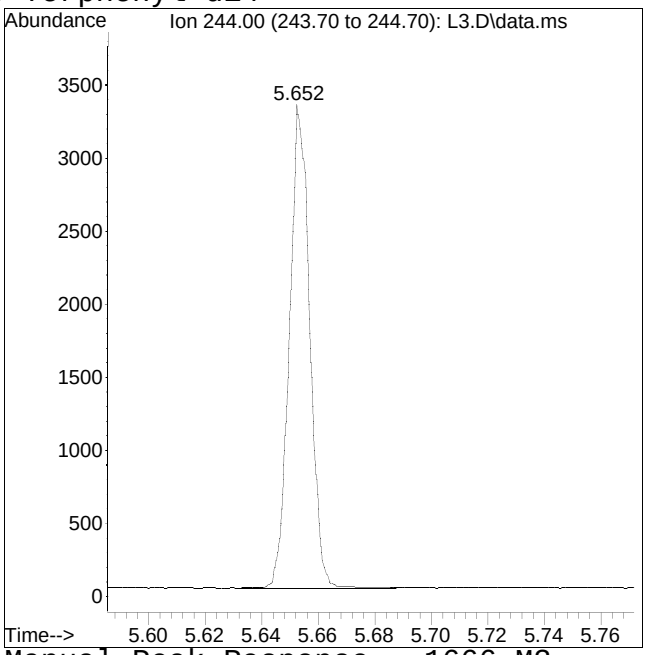
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14





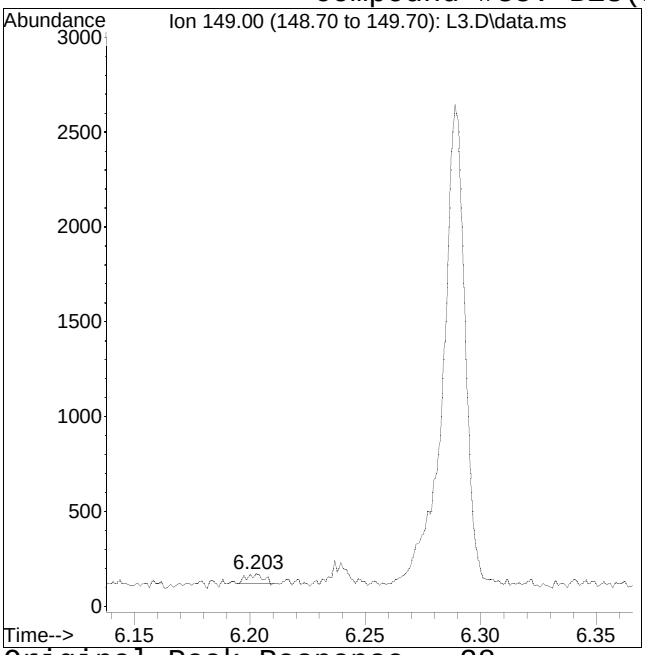
Original Peak Response = 6 Manual Peak Response = 1666 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

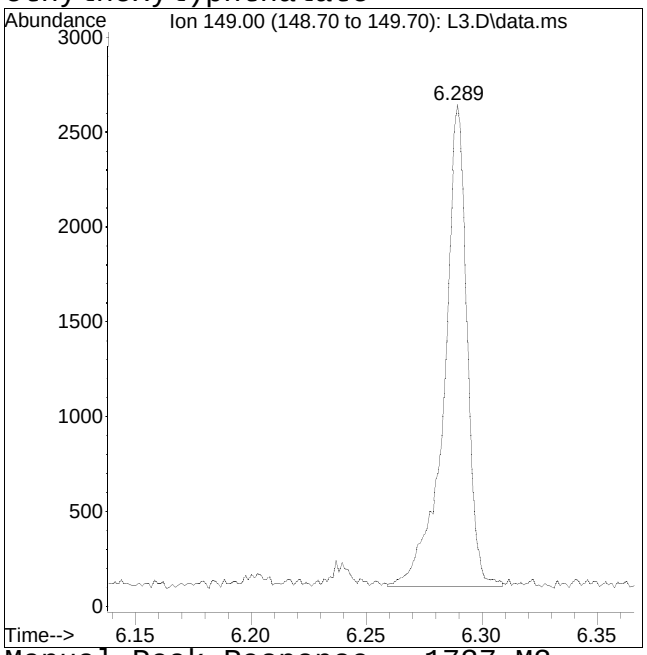
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 28



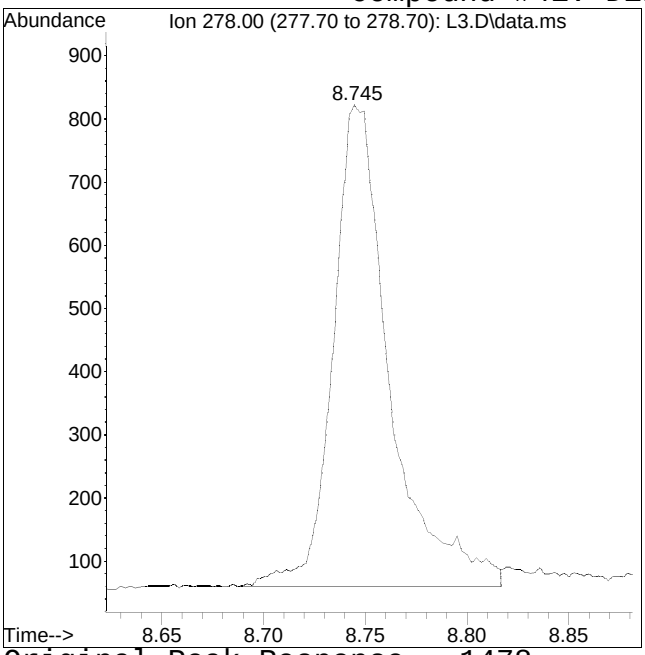
Manual Peak Response = 1737 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

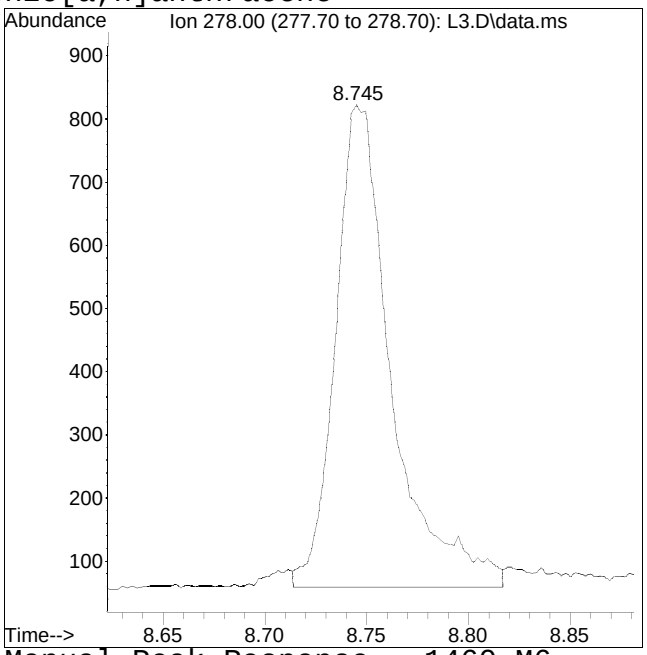
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1478



Manual Peak Response = 1460 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L2.D
Acq On : 25 Oct 2024 07:03 pm
Operator : SV118:dv
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG1990947,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 11:40:22 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	394951	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 91.89%			
8) Naphthalene-d8	2.950	136	1417787	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 90.06%			
17) Acenaphthene-d10	3.928	164	767792	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 88.87%			
22) Phenanthrene-d10	4.759	188	1610327M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 91.74%			
31) Chrysene-d12	6.280	240	1666522	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 98.45%			
36) Perylene-d12	7.493	264	1696213	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 94.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.690	112	232	2.078	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
3) Phenol-d6	2.091	99	298	2.172	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
7) Nitrobenzene-d5	2.566	82	171	1.930	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
13) 2-Fluorobiphenyl	3.550	172	574	2.106	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
21) 2,4,6-Tribromophenol	4.366	330	75	2.120	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
30) 4-Terphenyl-d14	5.655	244	693M3	2.103	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.149	93	625	2.906	ng/ml#	47
5) n-nitrosodi-n-propylamine	2.487	70	192	2.212	ng/ml#	89
6) Hexachloroethane	2.546	117	120	2.422	ng/ml#	76
9) Naphthalene	2.962	128	788M4	2.111	ng/ml	
10) Hexachlorobutadiene	3.037	225	142M6	2.144	ng/ml	
11) 2-Methylnaphthalene	3.343	142	505	2.113	ng/ml	96
12) 1-Methylnaphthalene	3.397	142	479	2.154	ng/ml	94
14) 2-Chloronaphthalene	3.612	162	503M3	2.096	ng/ml	
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.846	152	721	2.030	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L2.D
Acq On : 25 Oct 2024 07:03 pm
Operator : SV118:dv
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG1990947,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 11:40:22 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.945	153	531	2.116	ng/ml	98
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.232	166	568	2.124	ng/ml	89
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.546	284	234	2.207	ng/ml	96
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.771	178	966M3	2.210	ng/ml	
27) Anthracene	4.798	178	889	2.072	ng/ml	94
28) Fluoranthene	5.437	202	1049M3	2.144	ng/ml	
29) Pyrene	5.565	202	1129	2.172	ng/ml	100
32) Benzo[a]anthracene	6.276	226	714	4.375	ng/ml#	1
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.293	228	971	1.931	ng/ml#	95
35) Bis(2-ethylhexyl)phtha...	6.289	149	1370M3	4.726	ng/ml	
37) Benzo[b]fluoranthene	7.110	252	858	1.962	ng/ml	97
38) Benzo[k]fluoranthene	7.134	252	908M4	1.958	ng/ml	
39) Benzo[a]pyrene	7.422	252	700	1.812	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.711	276	582	1.616	ng/ml#	72
41) Dibenzo[a,h]anthracene	8.747	278	582M4	1.587	ng/ml	
42) Benzo[g,h,i]perylene	9.054	276	665	1.761	ng/ml#	84

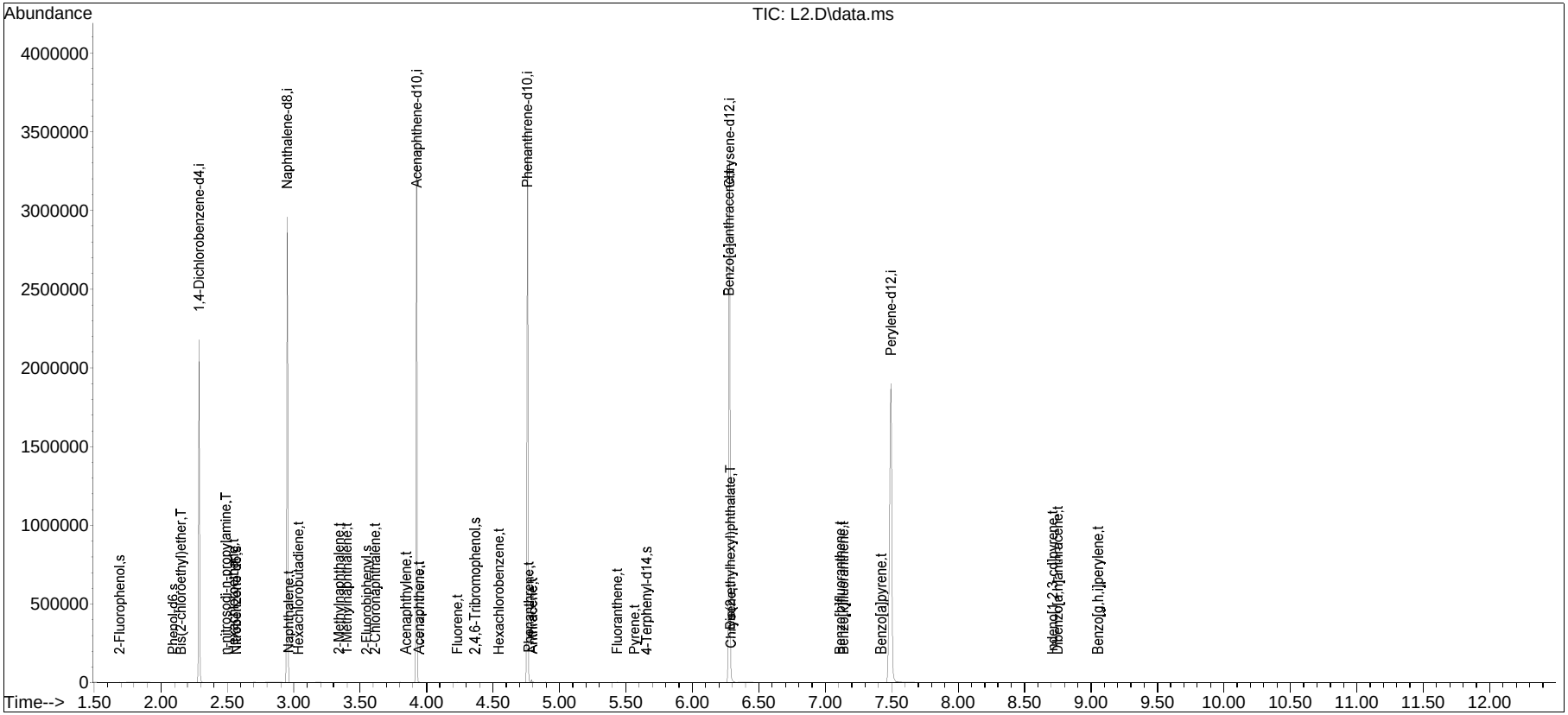
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L2.D
Acq On : 25 Oct 2024 07:03 pm
Operator : SV118:dv
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG1990947,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 11:40:22 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:39 2024
Response via : Initial Calibration

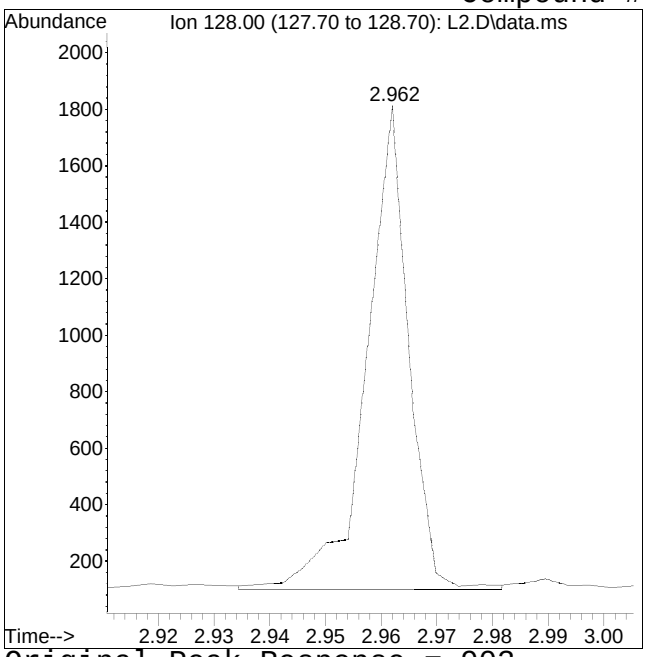
Sub List : Default - All compounds listedical\L8.D•



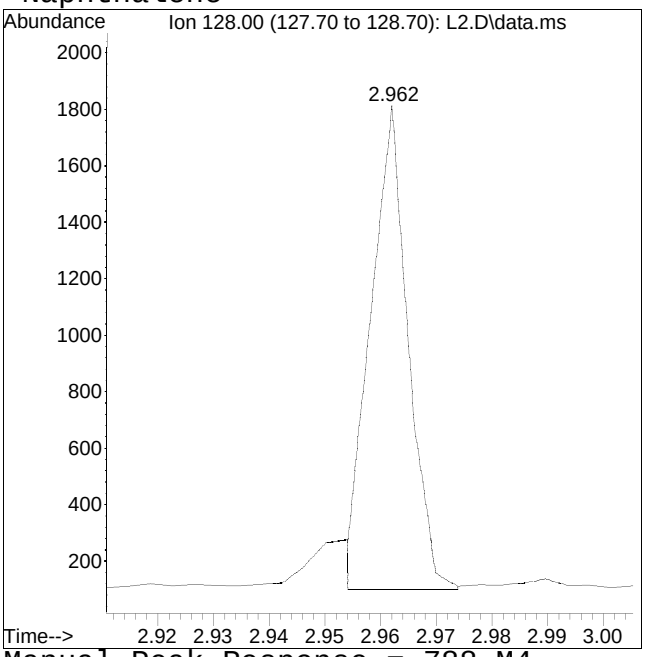
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #9: Naphthalene



Original Peak Response = 903



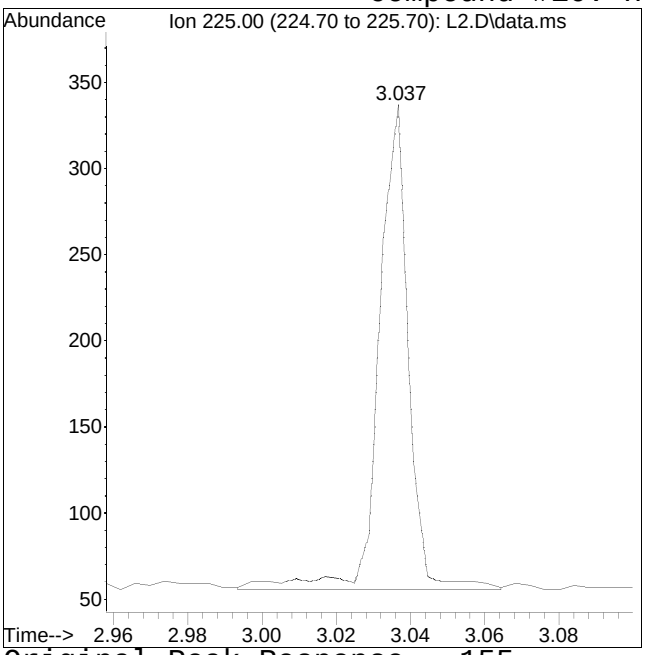
Manual Peak Response = 788 M4

M4 = Poor automated baseline construction.

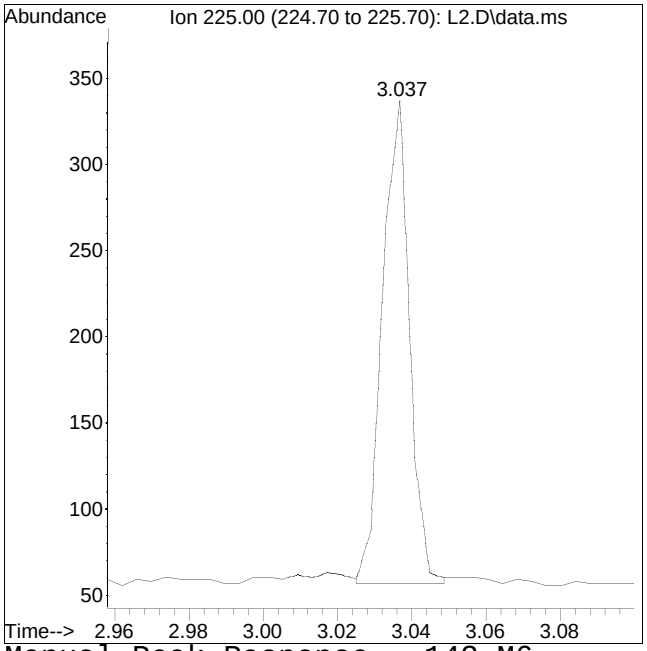
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #10: Hexachlorobutadiene



Original Peak Response = 155



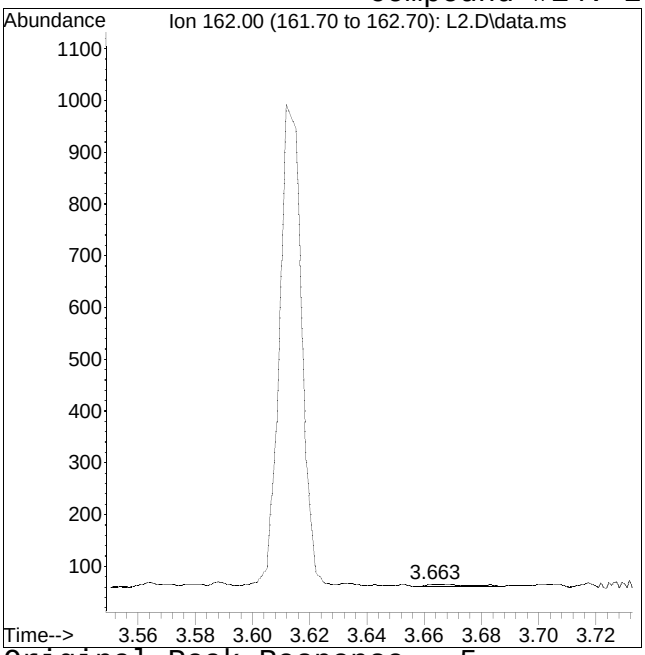
Manual Peak Response = 142 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

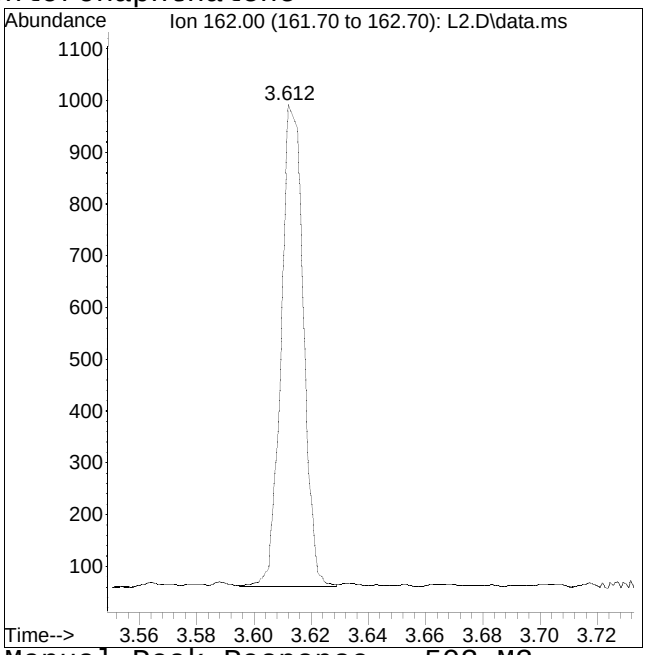
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #14: 2-Chloronaphthalene



Original Peak Response = 5



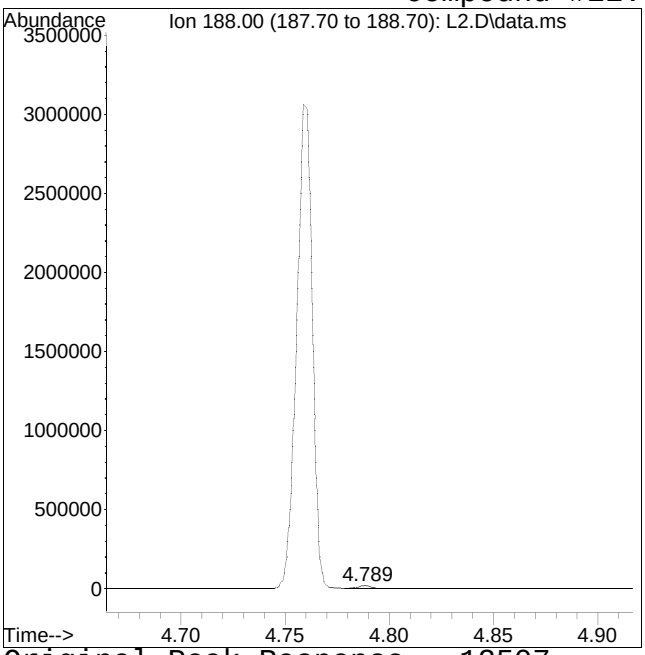
Manual Peak Response = 503 M3

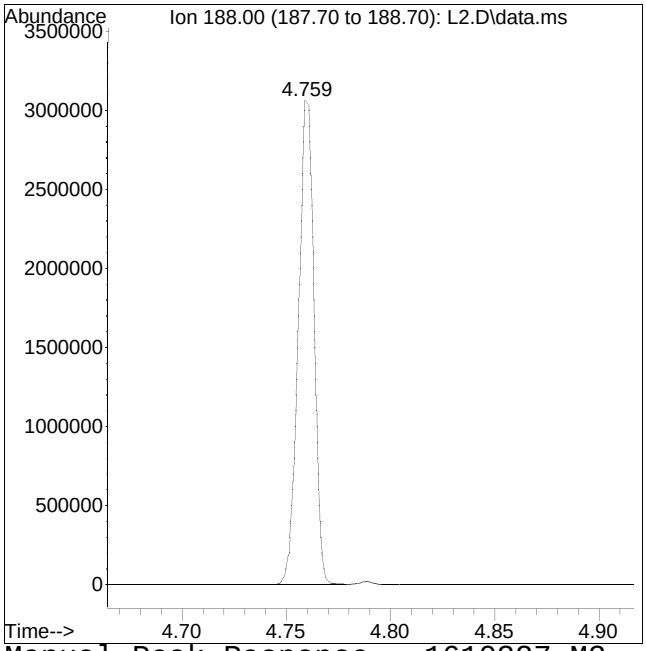
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



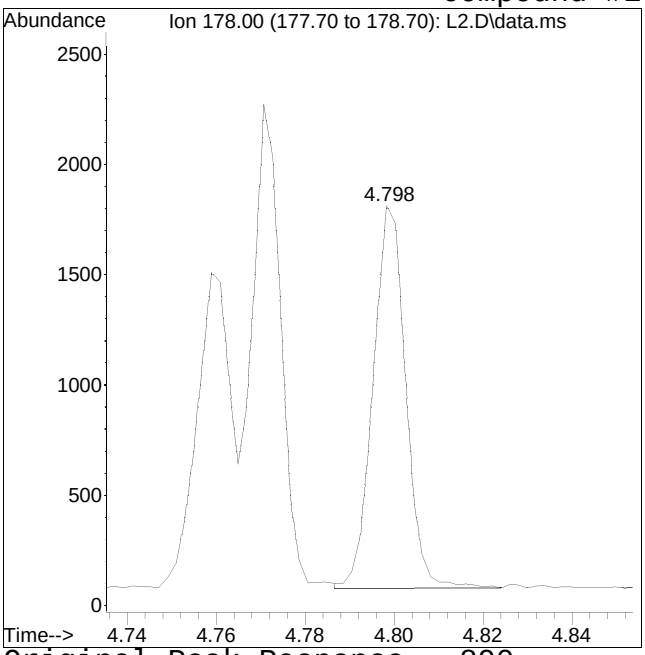


Original Peak Response = 12507 Manual Peak Response = 1610327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

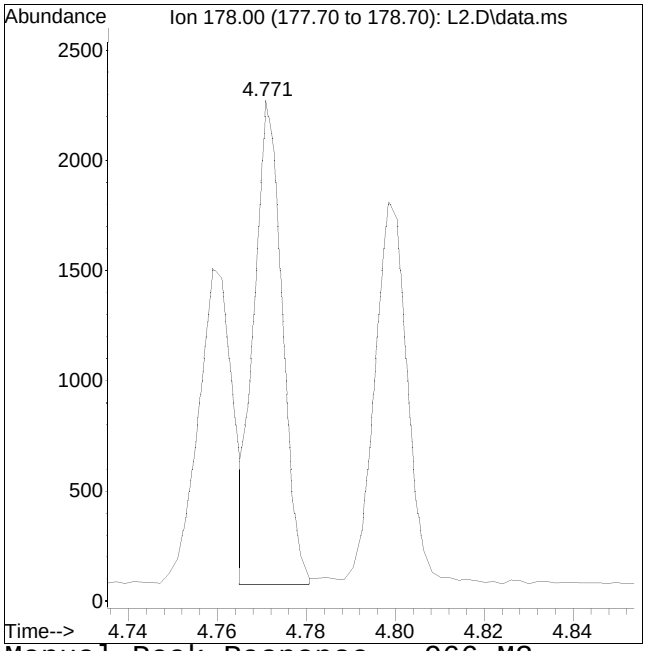
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #26: Phenanthrene



Original Peak Response = 890



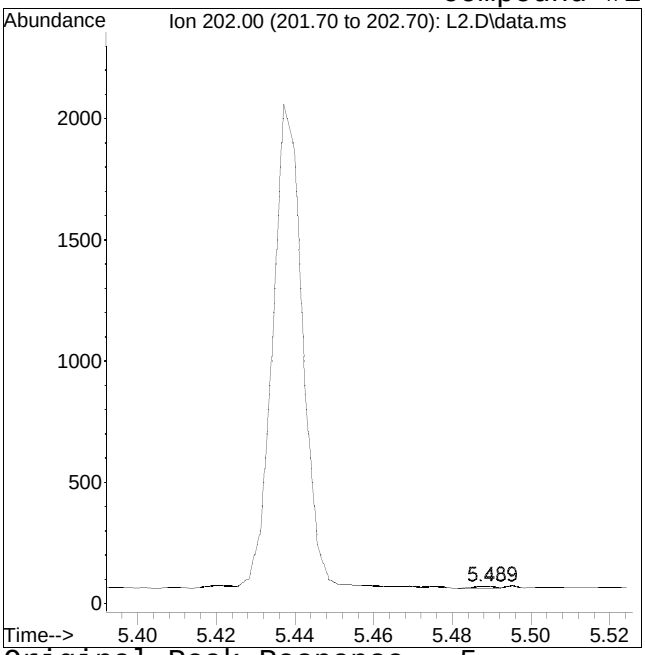
Manual Peak Response = 966 M3

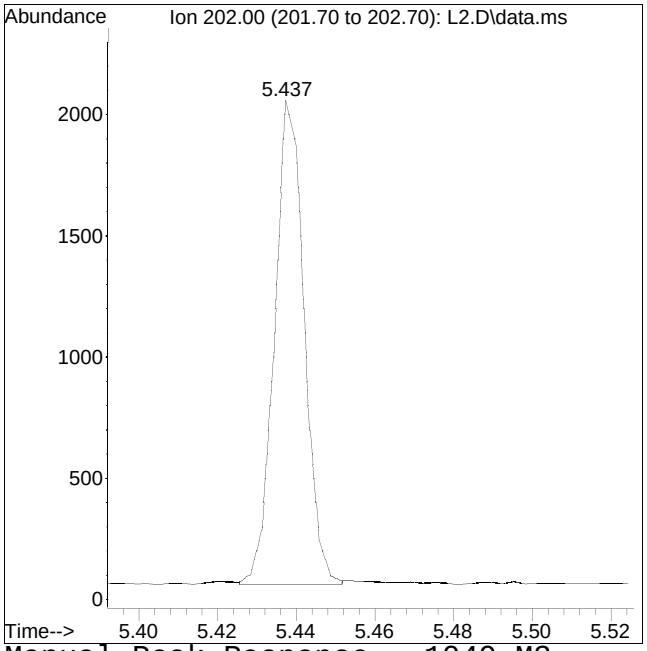
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene





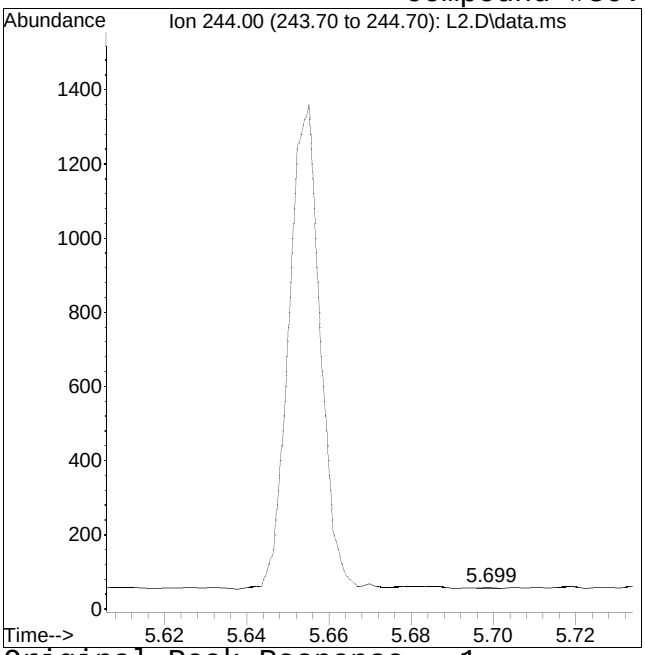
Original Peak Response = 5 Manual Peak Response = 1049 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

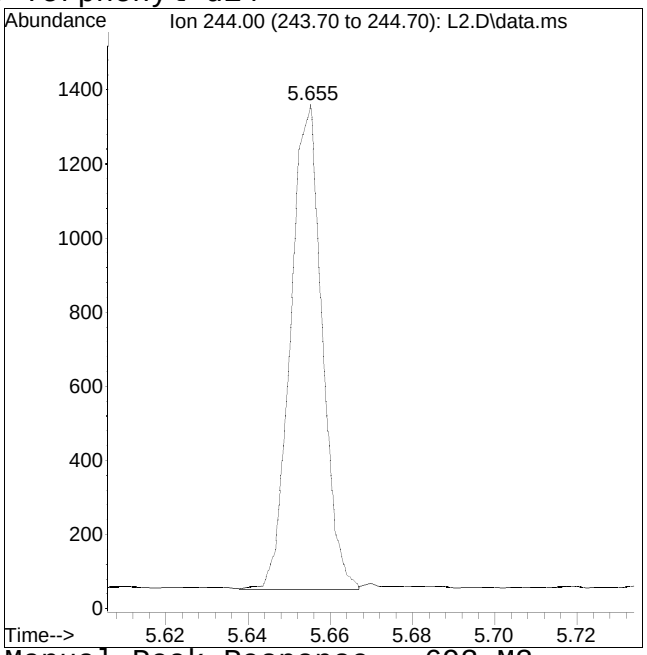
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14



Original Peak Response = 1



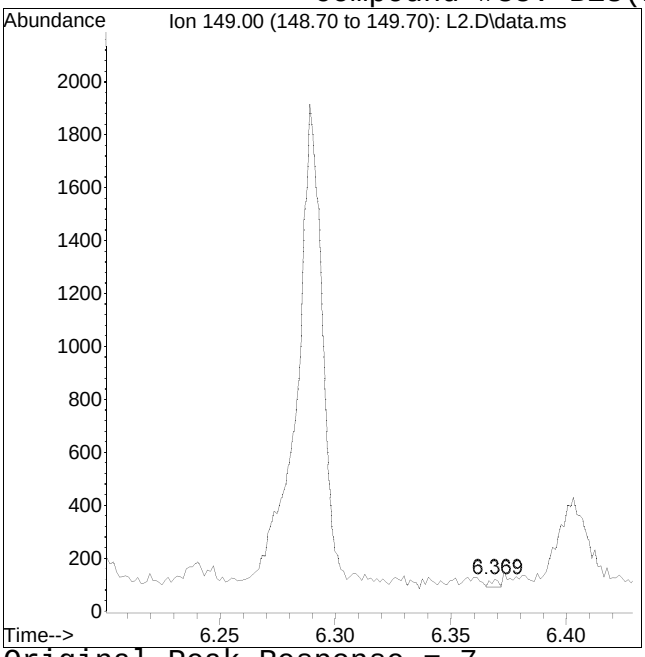
Manual Peak Response = 693 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

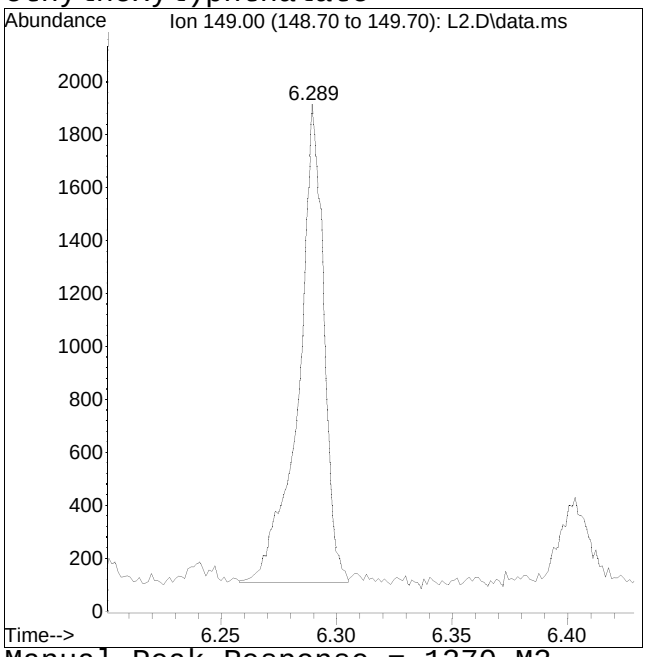
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 7



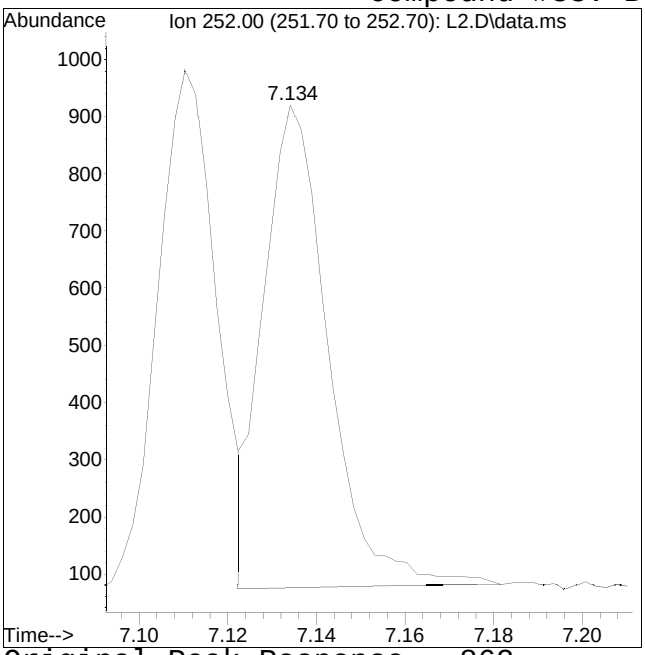
Manual Peak Response = 1370 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

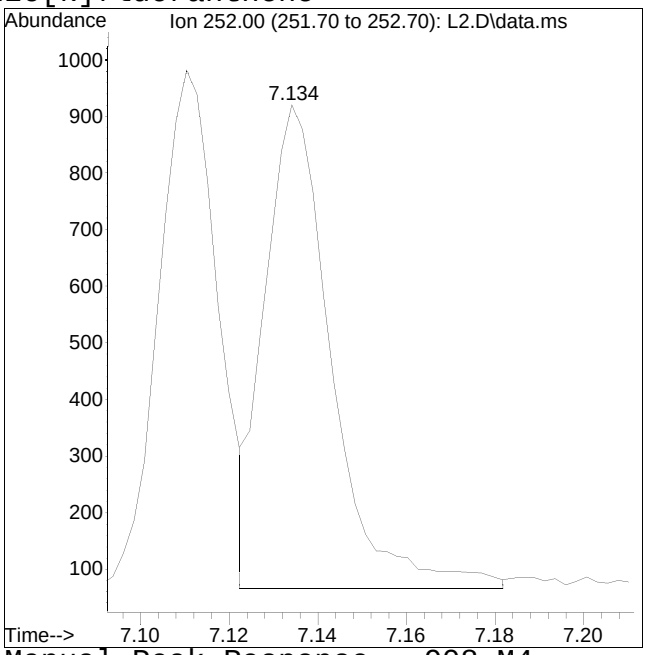
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 862



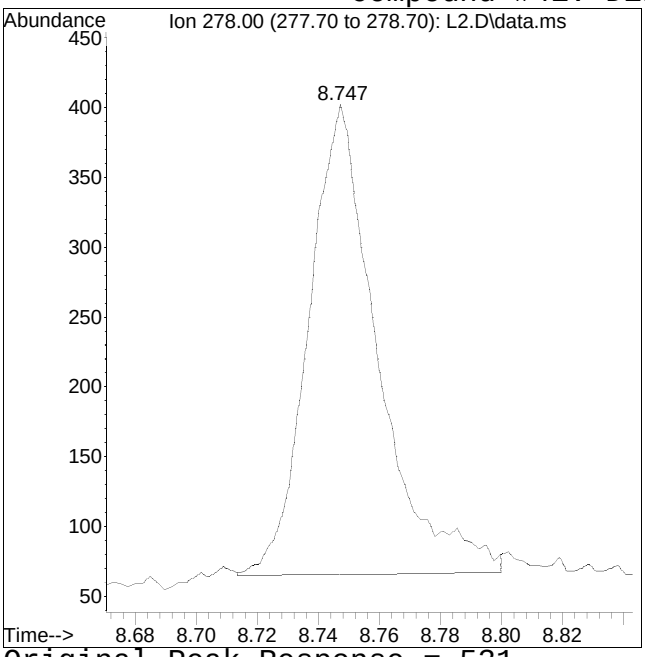
Manual Peak Response = 908 M4

M4 = Poor automated baseline construction.

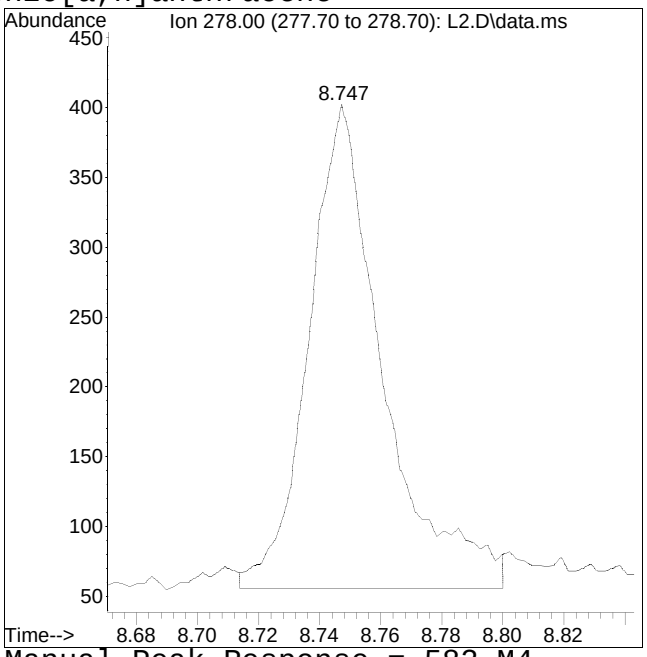
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 531



Manual Peak Response = 582 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L1.D
Acq On : 25 Oct 2024 07:21 pm
Operator : SV118:dv
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG1990947,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 11:40:11 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	415774	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 96.73%			
8) Naphthalene-d8	2.950	136	1497480	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 95.12%			
17) Acenaphthene-d10	3.928	164	811623	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 93.94%			
22) Phenanthrene-d10	4.761	188	1673672M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 95.35%			
31) Chrysene-d12	6.281	240	1660718	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 98.11%			
36) Perylene-d12	7.493	264	1700594	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 94.73%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.690	112	132	1.123	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.06%#			
3) Phenol-d6	2.091	99	158	1.094	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
7) Nitrobenzene-d5	2.566	82	93M3	0.997	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.550	172	307	1.066	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
21) 2,4,6-Tribromophenol	4.370	330	50	1.337	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.07%#			
30) 4-Terphenyl-d14	5.655	244	388M3	1.133	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
6) Hexachloroethane	0.000		0	N.D. d		
9) Naphthalene	0.000		0	N.D. d		
10) Hexachlorobutadiene	0.000		0	N.D. d		
11) 2-Methylnaphthalene	0.000		0	N.D. d		
12) 1-Methylnaphthalene	0.000		0	N.D. d		
14) 2-Chloronaphthalene	0.000		0	N.D. d		
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L1.D
Acq On : 25 Oct 2024 07:21 pm
Operator : SV118:dv
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG1990947,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 11:40:11 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

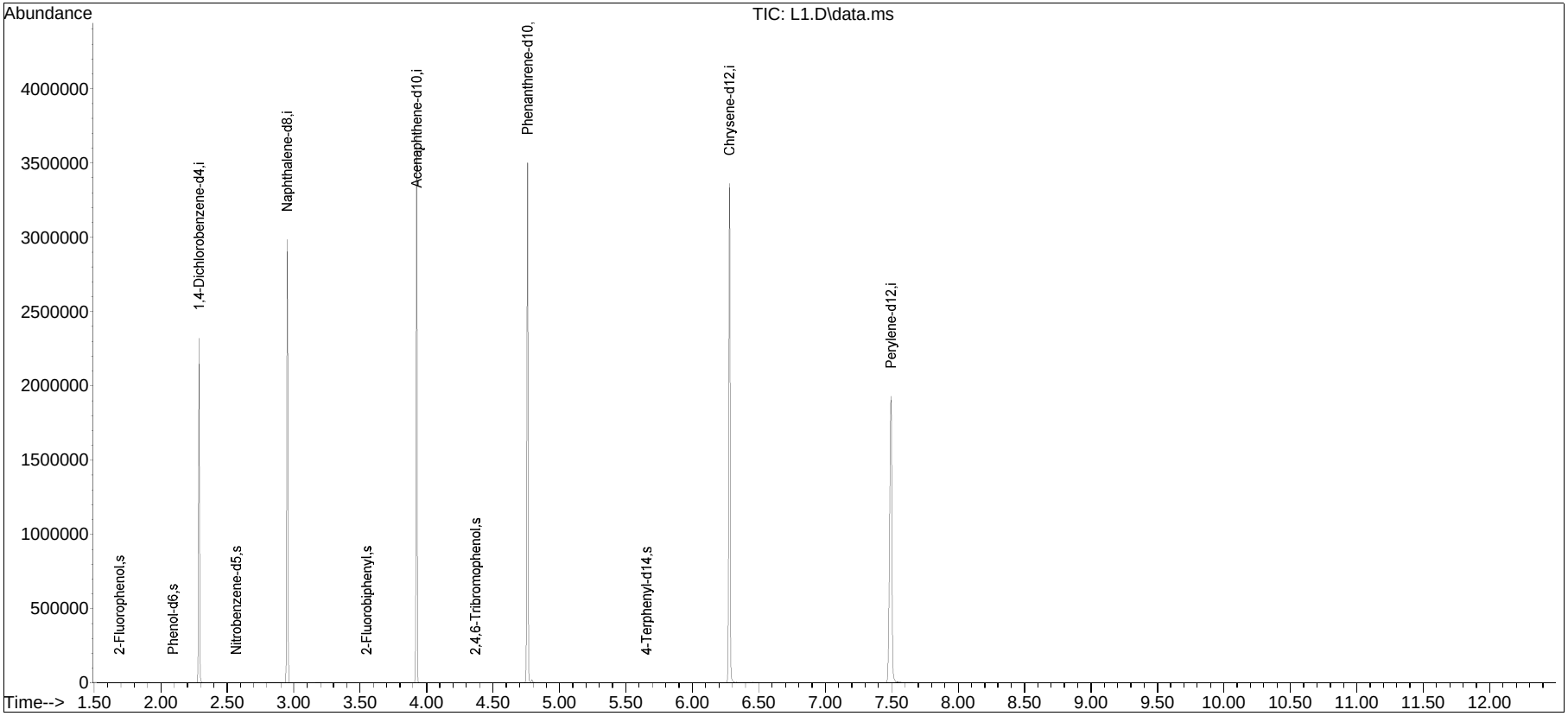
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L1.D
Acq On : 25 Oct 2024 07:21 pm
Operator : SV118:dv
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG1990947,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 11:40:11 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:23 2024
Response via : Initial Calibration

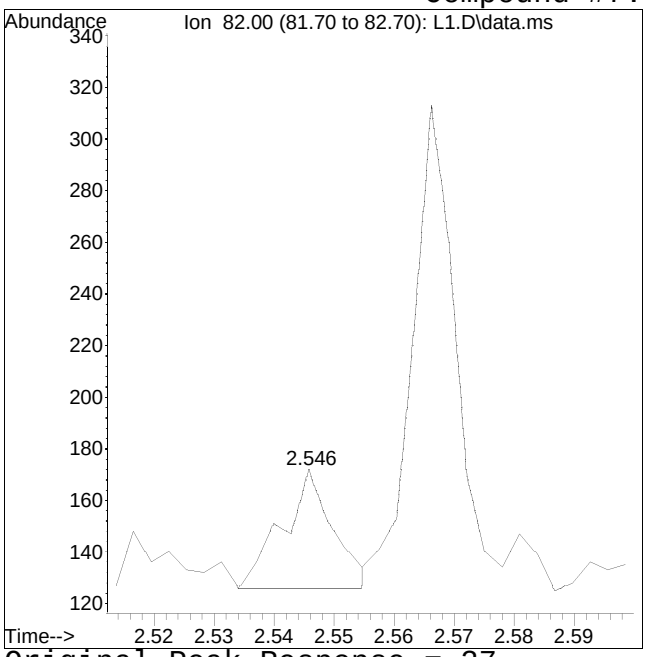
Sub List : Default - All compounds listedical\L8.D•



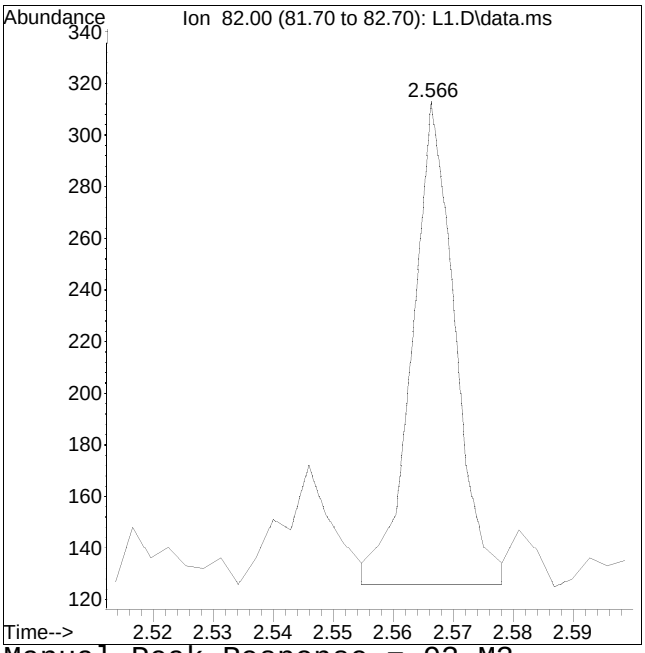
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L1.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:21 pm Instrument : SV118
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #7: Nitrobenzene-d5



Original Peak Response = 27



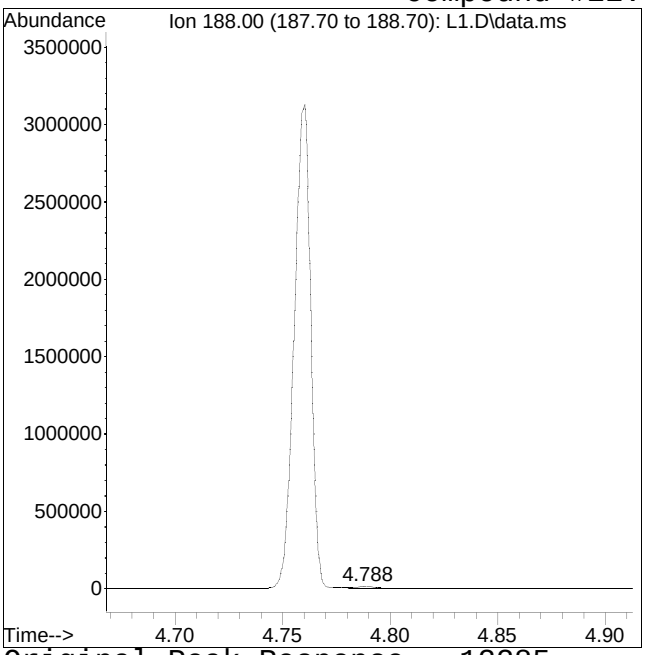
Manual Peak Response = 93 M3

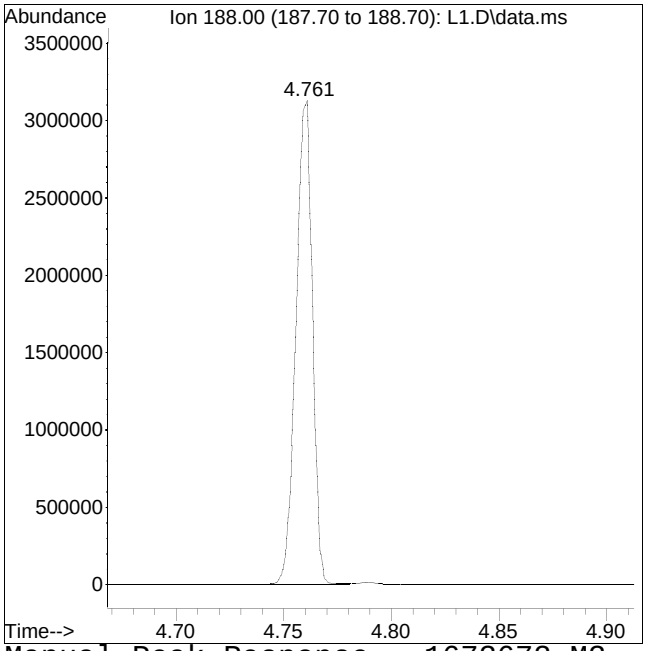
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L1.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:21 pm Instrument : SV118
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



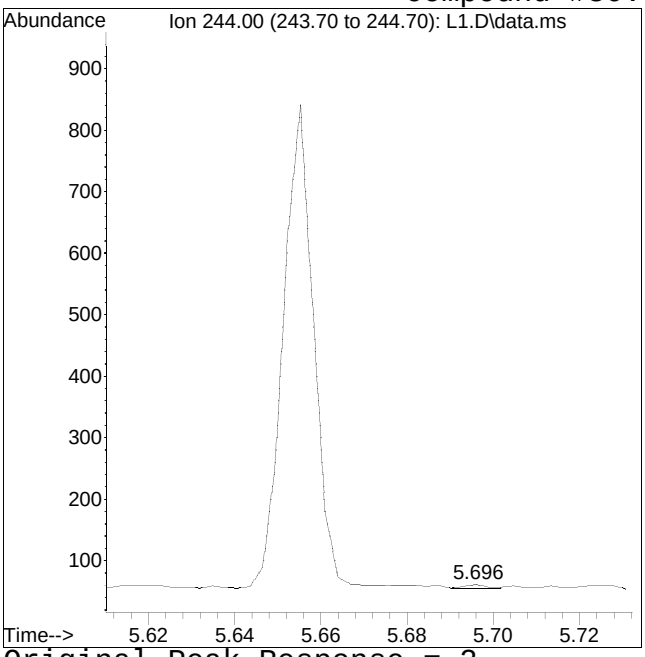


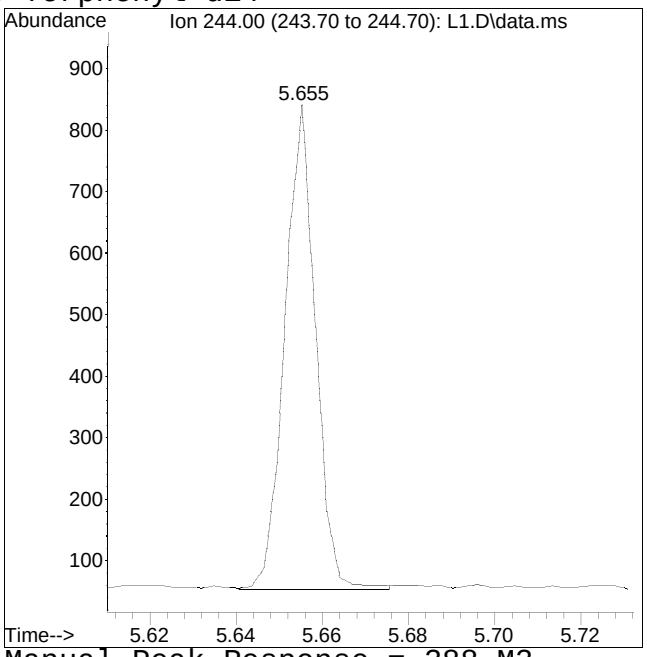
Original Peak Response = 12285 Manual Peak Response = 1673672 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L1.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:21 pm Instrument : SV118
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14





Original Peak Response = 2 Manual Peak Response = 388 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
2	s	2-Fluorophenol	1.131	1.080	4.5	80	0.00
3	s	Phenol-d6	1.390	1.331	4.2	79	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	968.718	3.1	78	0.00
5	T	n-nitrosodi-n-propylamine	0.879	0.812	7.6	76	0.00
6	t	Hexachloroethane	0.502	0.469	6.6	77	0.00
7	s	Nitrobenzene-d5	0.897	0.846	5.7	74	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	83	0.00
9	t	Naphthalene	1.053	0.970	7.9	79	0.00
10	t	Hexachlorobutadiene	0.187	0.179	4.3	81	0.00
11	t	2-Methylnaphthalene	0.674	0.649	3.7	81	0.00
12	t	1-Methylnaphthalene	0.627	0.601	4.1	81	0.00
13	s	2-Fluorobiphenyl	0.769	0.735	4.4	82	0.00
14	t	2-Chloronaphthalene	0.677	0.640	5.5	79	0.00
15	t	2,6-Dinitrotoluene	0.092	0.087	5.4	75	0.00
16	t	Acenaphthylene	1.002	0.984	1.8	80	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
18	t	Acenaphthene	1.308	1.200	8.3	81	0.00
19	t	2,4-Dinitrotoluene	*1000.000	839.436	16.1	77	0.00
20	t	Fluorene	1.393	1.322	5.1	81	0.00
21	s	2,4,6-Tribromophenol	0.184	0.191	-3.8	84	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	815.959	18.4	77	0.00
24	t	Hexachlorobenzene	0.263	0.245	6.8	84	0.00
25	t	Pentachlorophenol	0.098	0.099	-1.0	80	0.00
26	t	Phenanthrene	1.086	0.994	8.5	84	0.00
27	t	Anthracene	1.066	1.011	5.2	84	0.00
28	t	Fluoranthene	1.216	1.138	6.4	84	0.00
29	t	Pyrene	1.291	1.230	4.7	85	0.00
30	s	4-Terphenyl-d14	0.818	0.770	5.9	86	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	0.392	0.335	14.5	83	0.00
33	t	3,3'-Dichlorobenzidine	0.418	0.445	-6.5	84	0.00
34	t	Chrysene	1.207	1.138	5.7	85	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.696	0.631	9.3	76	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	87	0.00
37	t	Benzo[b]fluoranthene	1.031	0.993	3.7	81	0.00
38	t	Benzo[k]fluoranthene	1.093	1.076	1.6	81	0.00
39	t	Benzo[a]pyrene	0.911	0.915	-0.4	81	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.849	0.851	-0.2	77	-0.01
41	t	Dibenzo[a,h]anthracene	0.865	0.881	-1.8	81	-0.01
42	t	Benzo[g,h,i]perylene	0.890	0.877	1.5	81	-0.01

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	354039	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 82.37%			
8) Naphthalene-d8	2.950	136	1309976	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 83.21%			
17) Acenaphthene-d10	3.928	164	738513	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 85.48%			
22) Phenanthrene-d10	4.759	188	1550049M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 88.30%			
31) Chrysene-d12	6.272	240	1499833	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 88.61%			
36) Perylene-d12	7.476	264	1558807	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 86.83%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.689	112	95573	954.797	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.74%			
3) Phenol-d6	2.091	99	117797	957.700	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.88%			
7) Nitrobenzene-d5	2.566	82	74838	942.419	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.24%			
13) 2-Fluorobiphenyl	3.550	172	240775	955.914	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.59%			
21) 2,4,6-Tribromophenol	4.366	330	35327	1038.113	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.91%			
30) 4-Terphenyl-d14	5.649	244	298400	940.877	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.09%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.149	93	101617	968.718	ng/ml	97
5) n-nitrosodi-n-propylamine	2.484	70	71872	923.913	ng/ml	97
6) Hexachloroethane	2.546	117	41469	933.585	ng/ml	87
9) Naphthalene	2.962	128	317734	921.403	ng/ml	100
10) Hexachlorobutadiene	3.037	225	58621	957.789	ng/ml	100
11) 2-Methylnaphthalene	3.342	142	212474	961.967	ng/ml	98
12) 1-Methylnaphthalene	3.400	142	196895	958.192	ng/ml	99
14) 2-Chloronaphthalene	3.615	162	209488	944.989	ng/ml#	88
15) 2,6-Dinitrotoluene	3.805	165	28596	953.057	ng/ml#	83
16) Acenaphthylene	3.847	152	322323	982.177	ng/ml	99
18) Acenaphthene	3.945	153	221633	918.017	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.031	165	38286	839.436	ng/ml#	83
20) Fluorene	4.231	166	244027	948.745	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.259	198	15870	815.959	ng/ml#	79
24) Hexachlorobenzene	4.546	284	94894	929.858	ng/ml	99
25) Pentachlorophenol	4.652	266	38433M2	1012.480	ng/ml	
26) Phenanthrene	4.771	178	385001M3	914.950	ng/ml	
27) Anthracene	4.798	178	391693	948.522	ng/ml	99
28) Fluoranthene	5.437	202	441182	936.637	ng/ml#	91
29) Pyrene	5.562	202	476733	952.779	ng/ml	99
32) Benzo[a]anthracene	6.264	226	125600	855.108	ng/ml#	96
33) 3,3'-Dichlorobenzidine	6.247	252	166953	1066.316	ng/ml	98
34) Chrysene	6.288	228	426866	943.474	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.281	149	236774	907.509	ng/ml	95
37) Benzo[b]fluoranthene	7.098	252	386845	962.577	ng/ml	99
38) Benzo[k]fluoranthene	7.125	252	419398	984.261	ng/ml	100
39) Benzo[a]pyrene	7.410	252	356399	1003.789	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.692	276	331722	1002.155	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.728	278	343322M6	1018.903	ng/ml	
42) Benzo[g,h,i]perylene	9.039	276	341643	984.592	ng/ml#	86

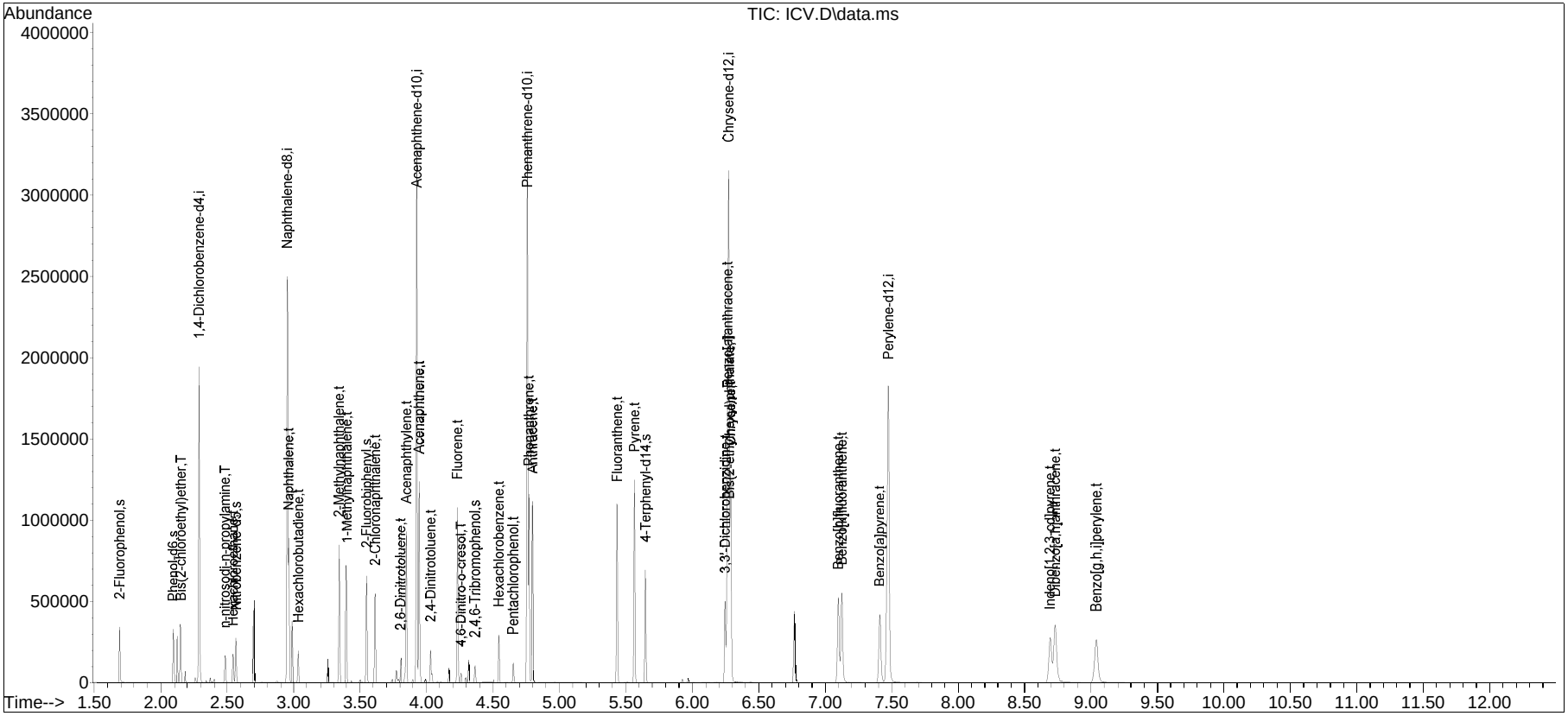
(#) = qualifier out of range (m) = manual integration (+) = signals summed

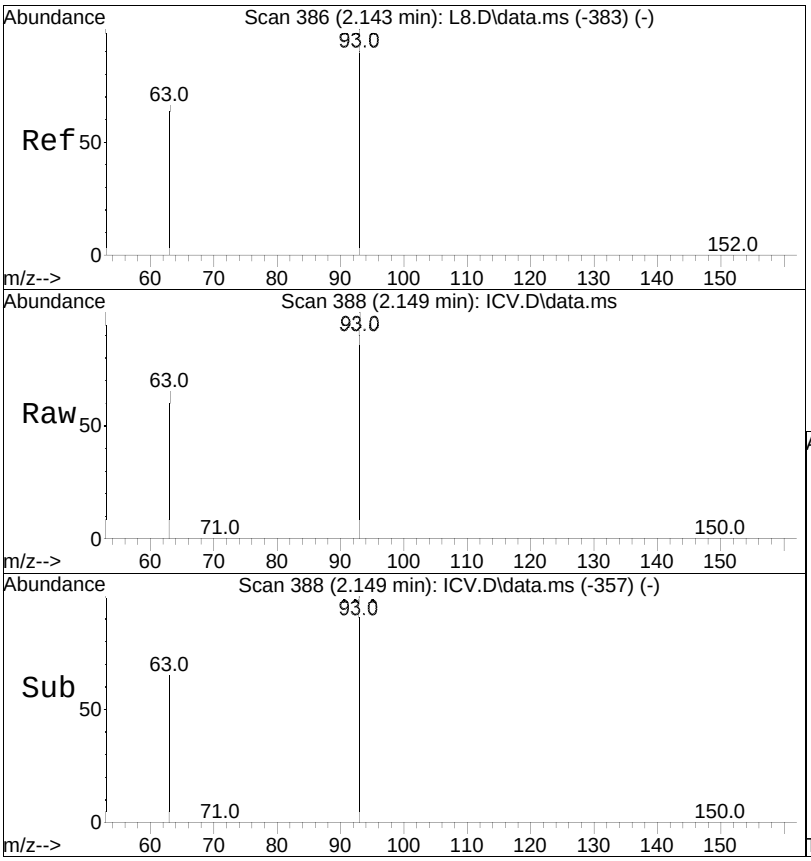
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

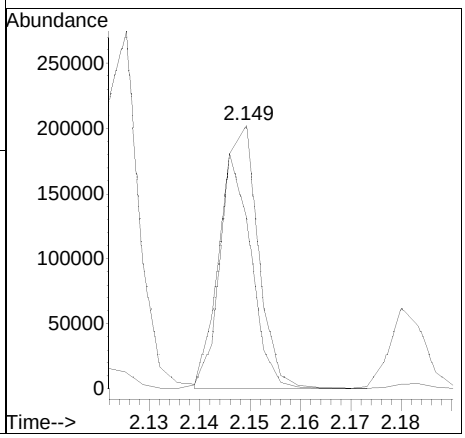


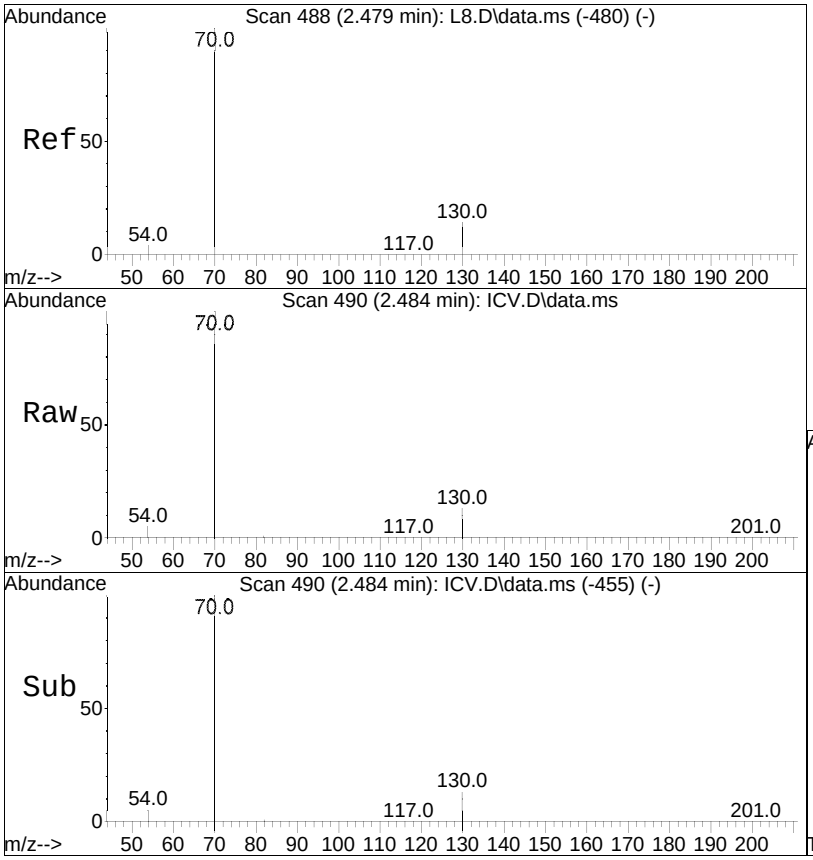


#4
Bis(2-chloroethyl)ether
Concen: 968.72 ng/ml
RT: 2.149 min Scan# 388
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion: 93 Resp: 101617

Ion	Ratio	Lower	Upper
93	100		
63	82.0	68.1	102.1

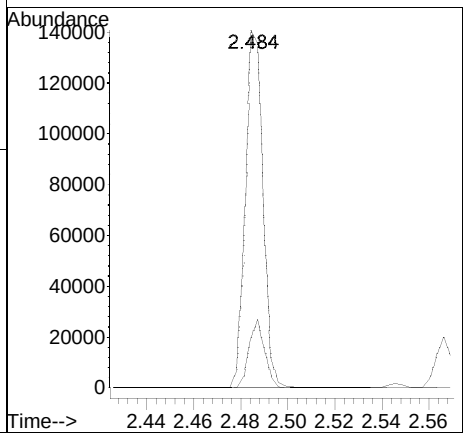


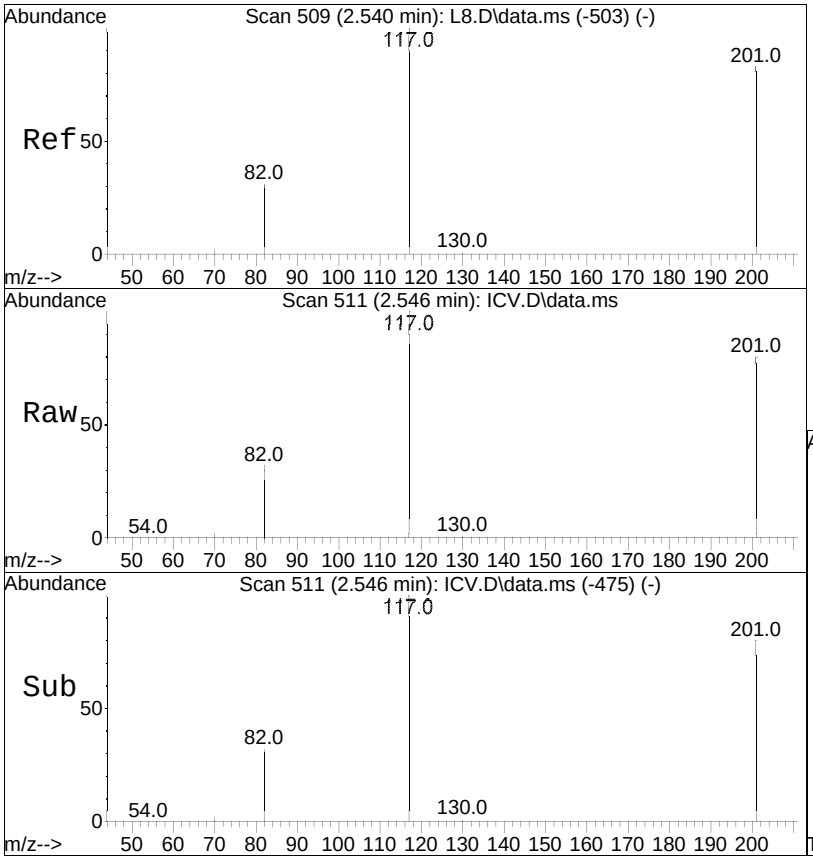


#5
n-nitrosodi-n-propylamine
Concen: 923.91 ng/ml
RT: 2.484 min Scan# 490
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion: 70 Resp: 71872

Ion	Ratio	Lower	Upper
70	100		
130	17.3	13.0	19.4

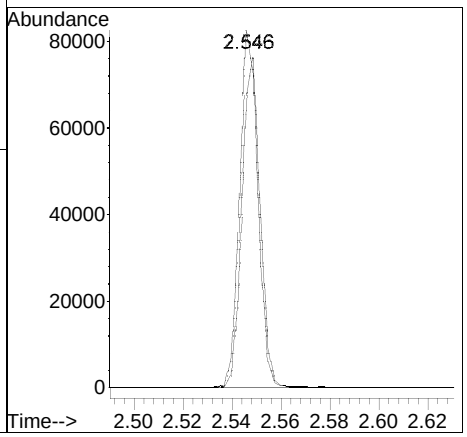


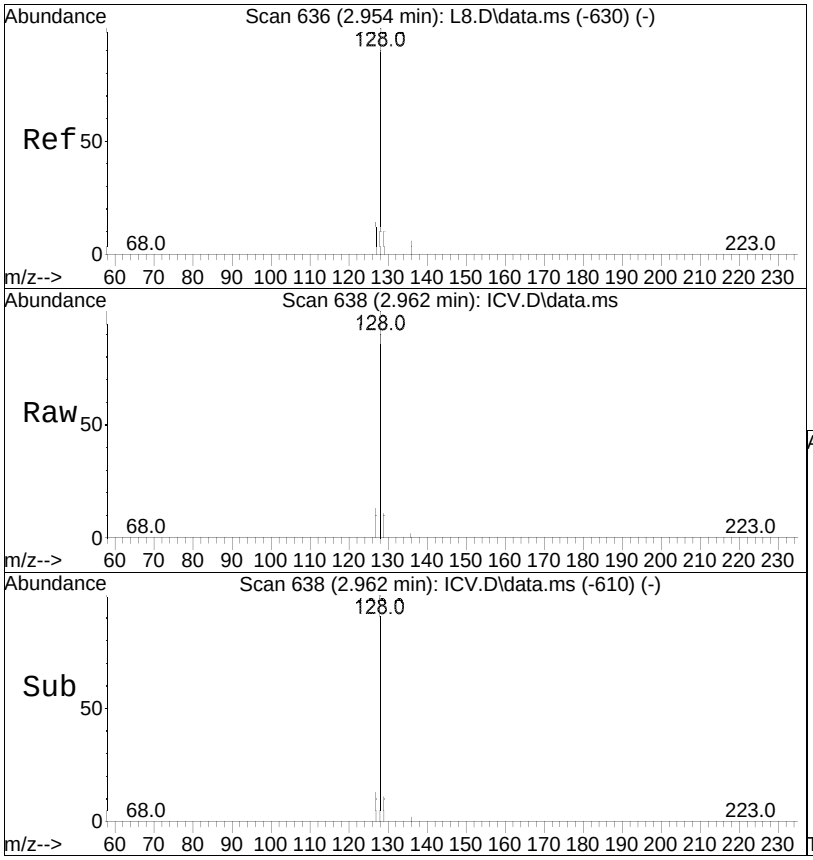


#6
Hexachloroethane
Concen: 933.59 ng/ml
RT: 2.546 min Scan# 511
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:117 Resp: 41469

Ion	Ratio	Lower	Upper
117	100		
201	92.4	84.9	127.3

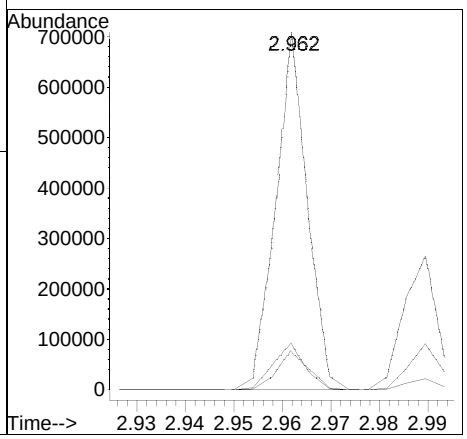


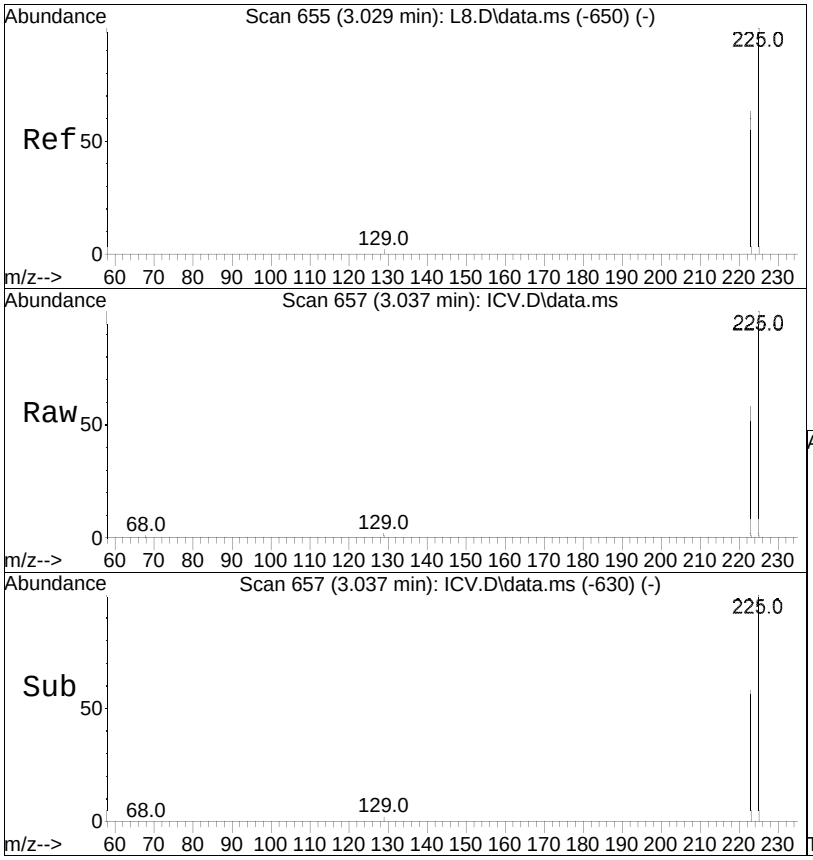


#9
Naphthalene
Concen: 921.40 ng/ml
RT: 2.962 min Scan# 638
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:128 Resp: 317734

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.7	16.1

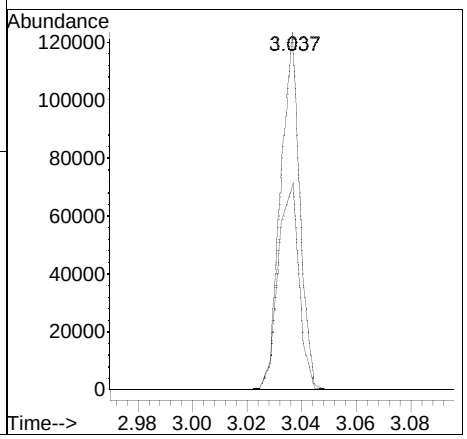


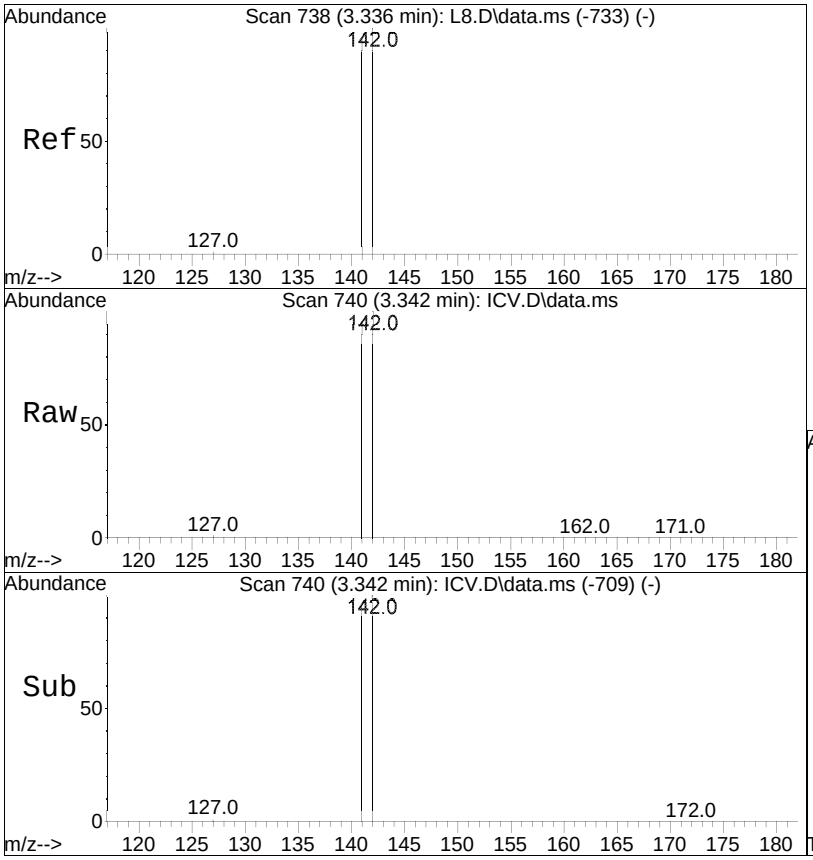


#10
Hexachlorobutadiene
Concen: 957.79 ng/ml
RT: 3.037 min Scan# 657
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:225 Resp: 58621

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6

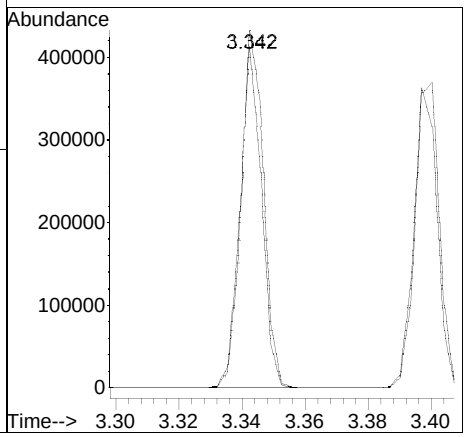


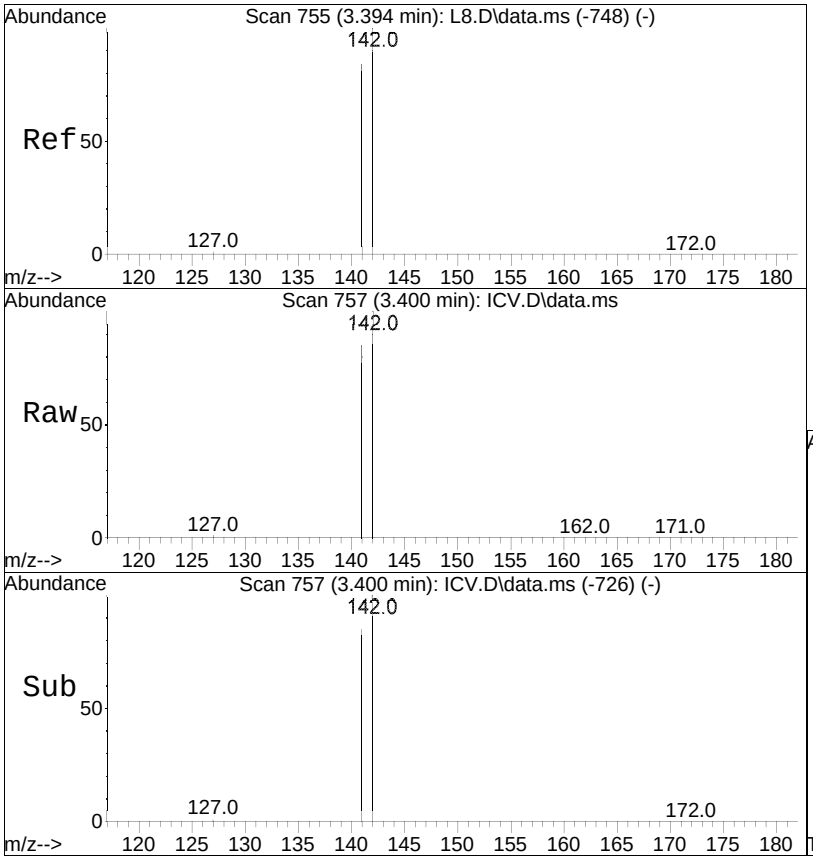


#11
2-Methylnaphthalene
Concen: 961.97 ng/ml
RT: 3.342 min Scan# 740
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:142 Resp: 212474

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.8	107.8

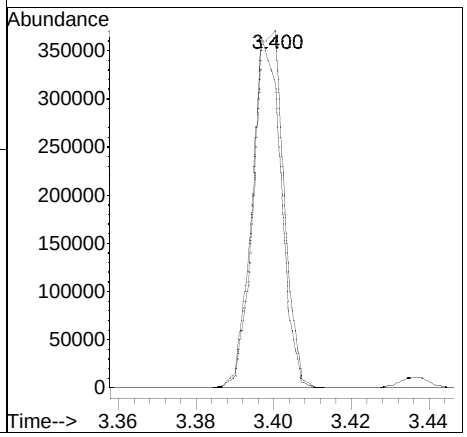


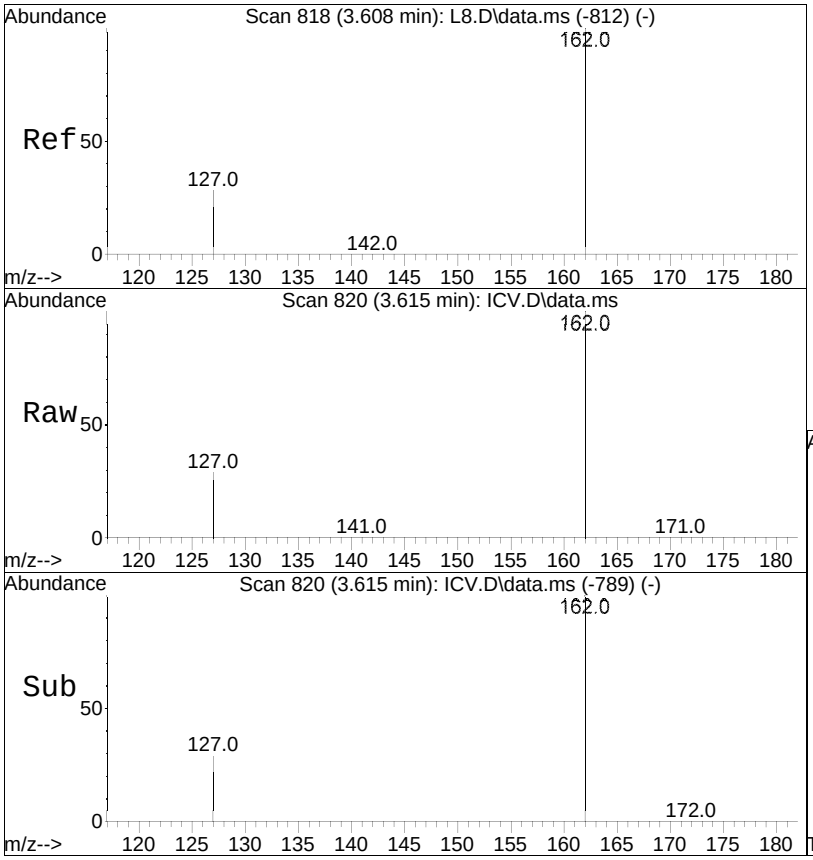


#12
1-Methylnaphthalene
Concen: 958.19 ng/ml
RT: 3.400 min Scan# 757
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:142 Resp: 196895

Ion	Ratio	Lower	Upper
142	100		
141	94.3	74.6	111.8

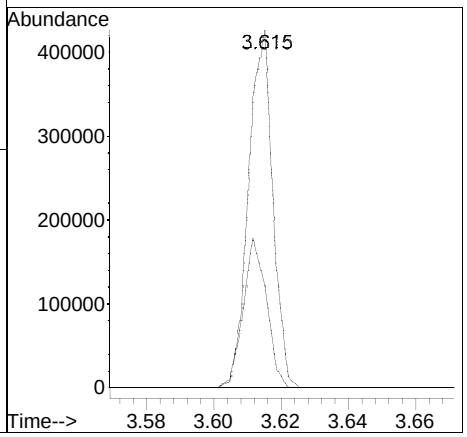


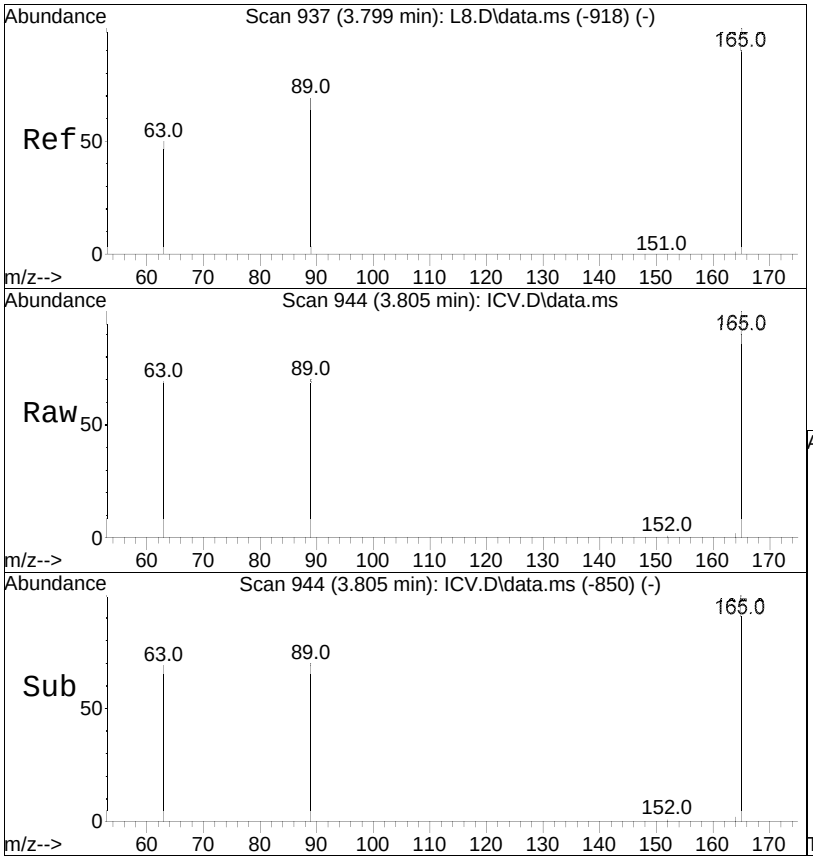


#14
2-Chloronaphthalene
Concen: 944.99 ng/ml
RT: 3.615 min Scan# 820
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:162 Resp: 209488

Ion	Ratio	Lower	Upper
162	100		
127	40.4	26.9	40.3#

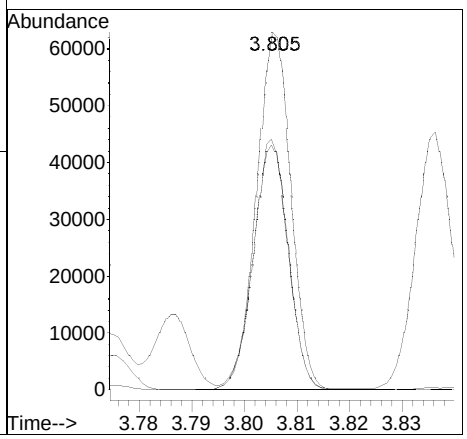


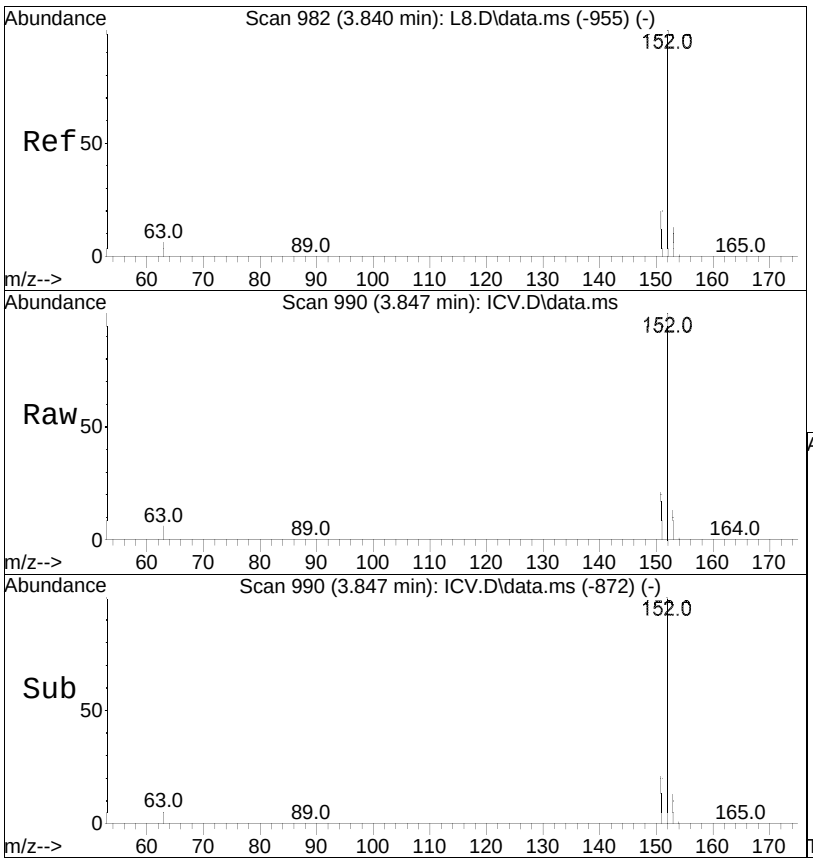


#15
2,6-Dinitrotoluene
Concen: 953.06 ng/ml
RT: 3.805 min Scan# 944
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:165 Resp: 28596

Ion	Ratio	Lower	Upper
165	100		
89	70.1	44.0	66.0#
63	69.0	47.5	71.3

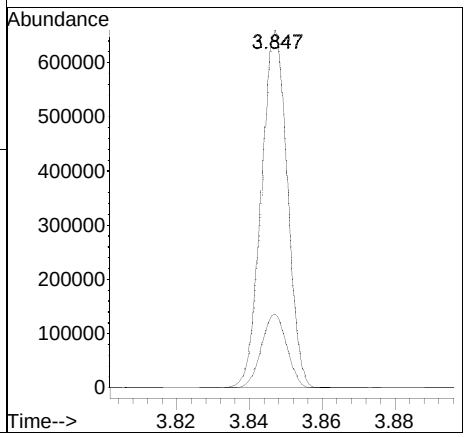


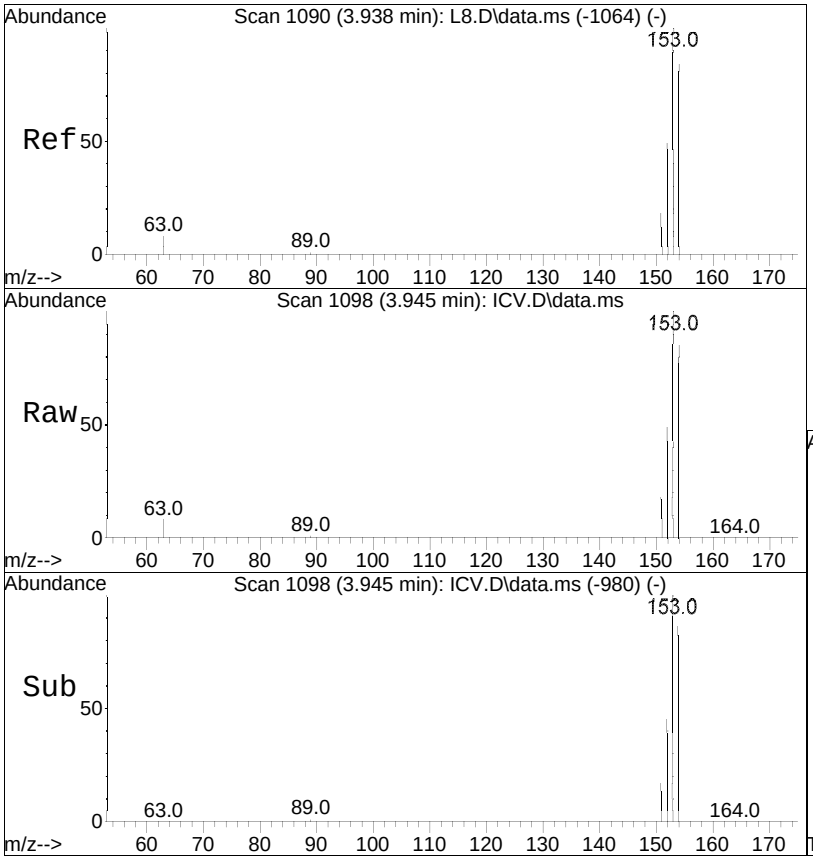


#16
Acenaphthylene
Concen: 982.18 ng/ml
RT: 3.847 min Scan# 990
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:152 Resp: 322323

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2

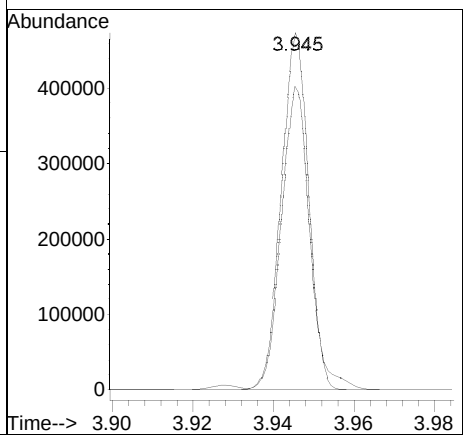


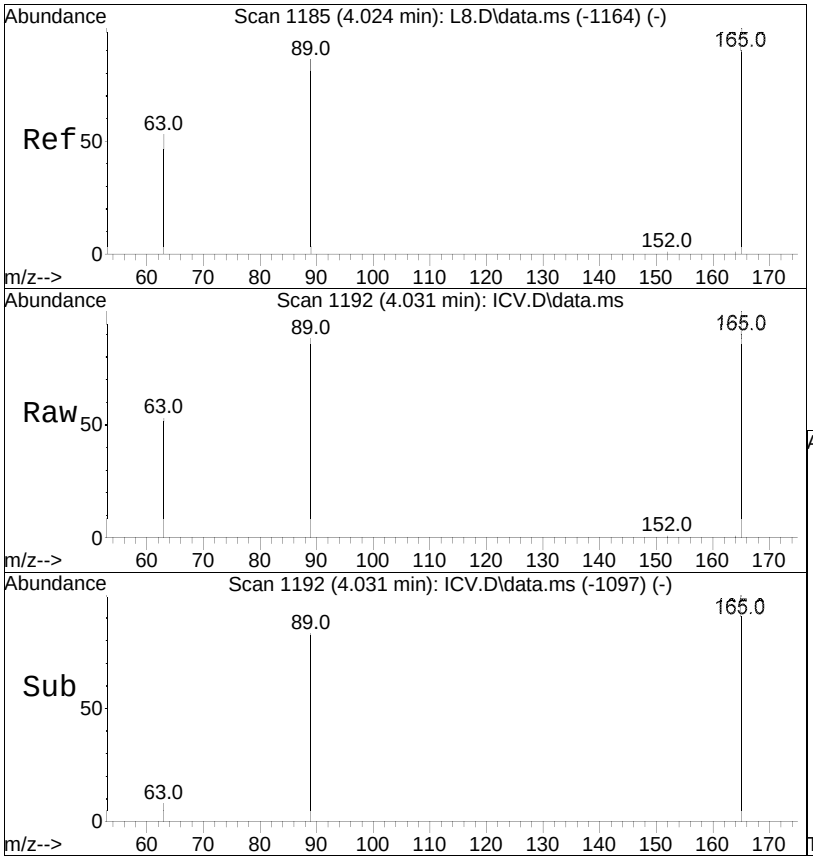


#18
Acenaphthene
Concen: 918.02 ng/ml
RT: 3.945 min Scan# 1098
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:153 Resp: 221633

Ion	Ratio	Lower	Upper
153	100		
154	88.2	68.2	102.4

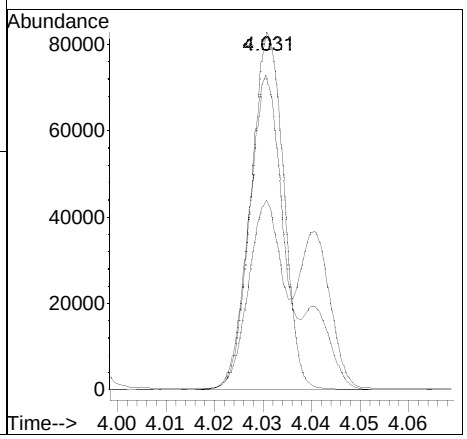


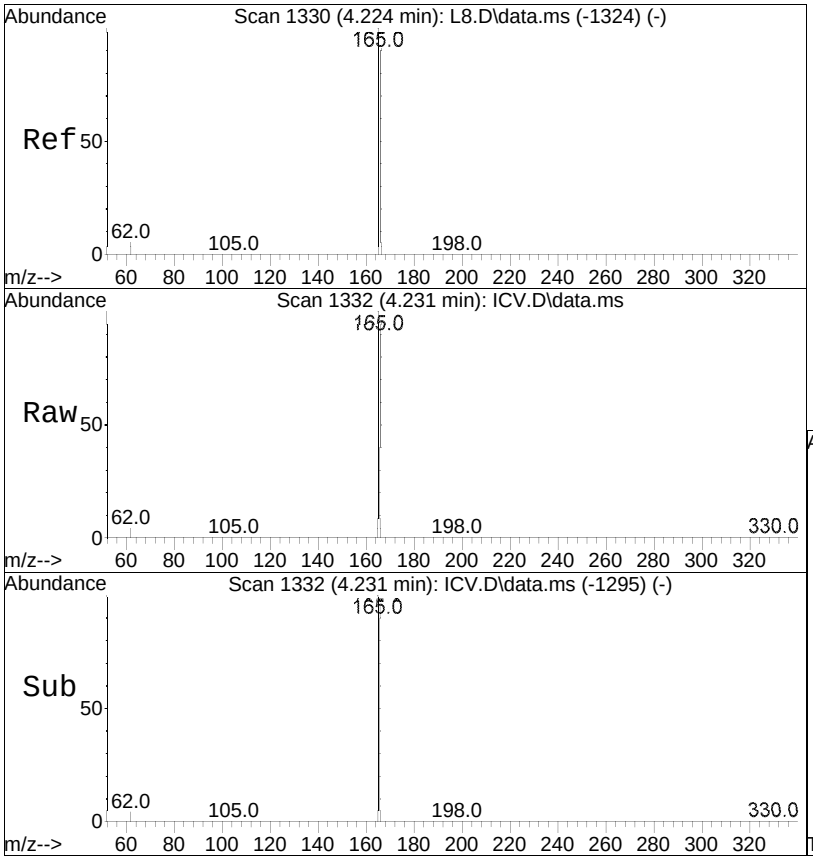


#19
2,4-Dinitrotoluene
Concen: 839.44 ng/ml
RT: 4.031 min Scan# 1192
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:165 Resp: 38286

Ion	Ratio	Lower	Upper
165	100		
89	92.1	64.6	96.8
63	52.9	56.5	84.7#

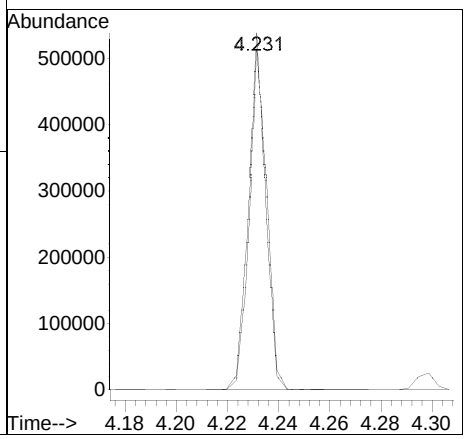


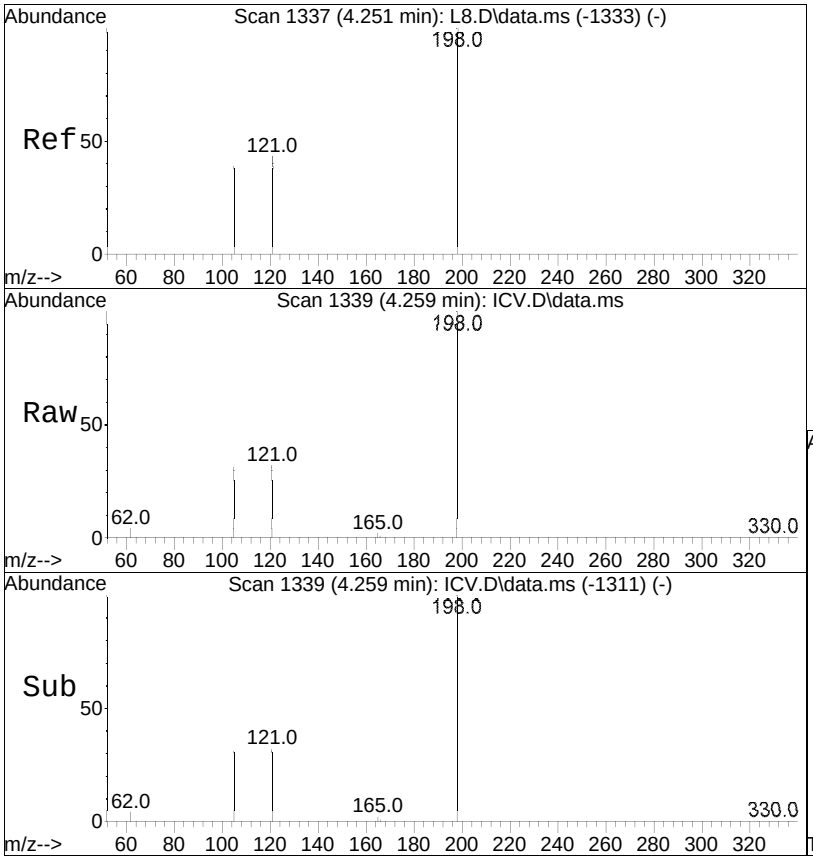


#20
Fluorene
Concen: 948.74 ng/ml
RT: 4.231 min Scan# 1332
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:166 Resp: 244027

Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.5	120.7

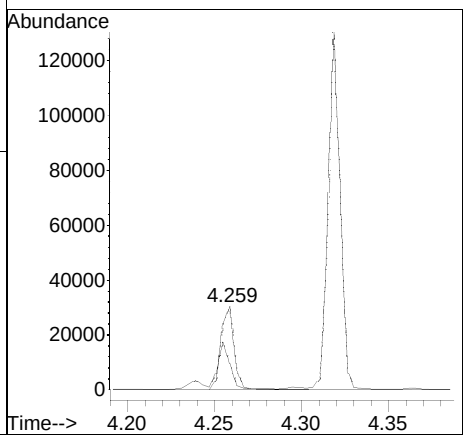


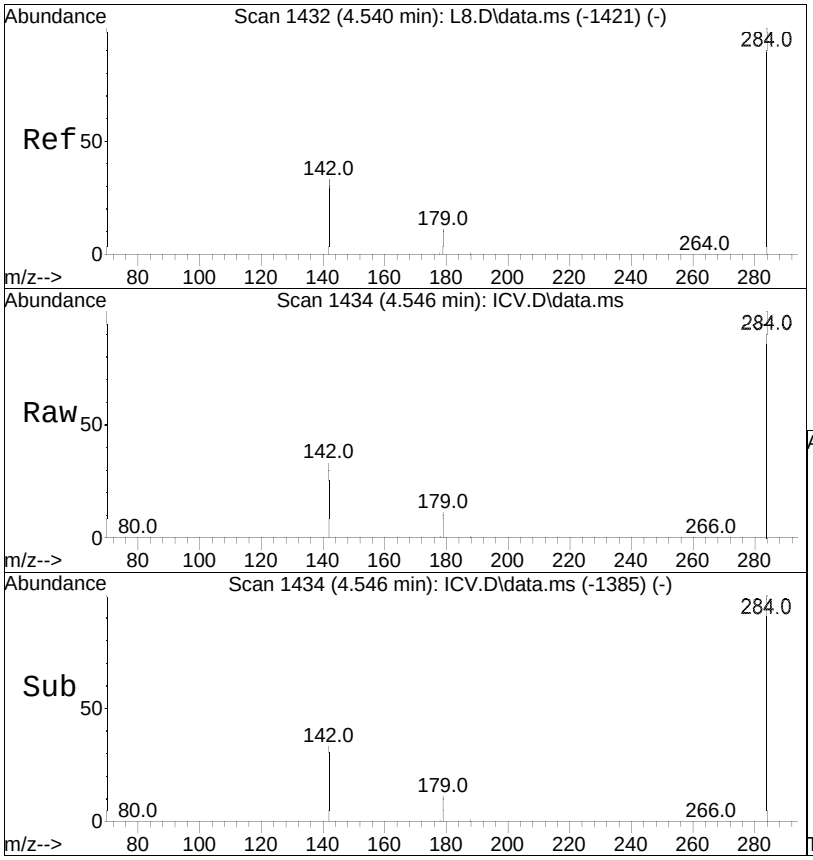


#23
4,6-Dinitro-o-cresol
Concen: 815.96 ng/ml
RT: 4.259 min Scan# 1339
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:198 Resp: 15870

Ion	Ratio	Lower	Upper
198	100		
105	52.4	31.8	47.6#

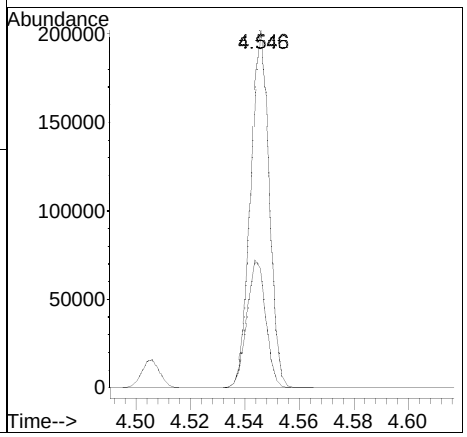


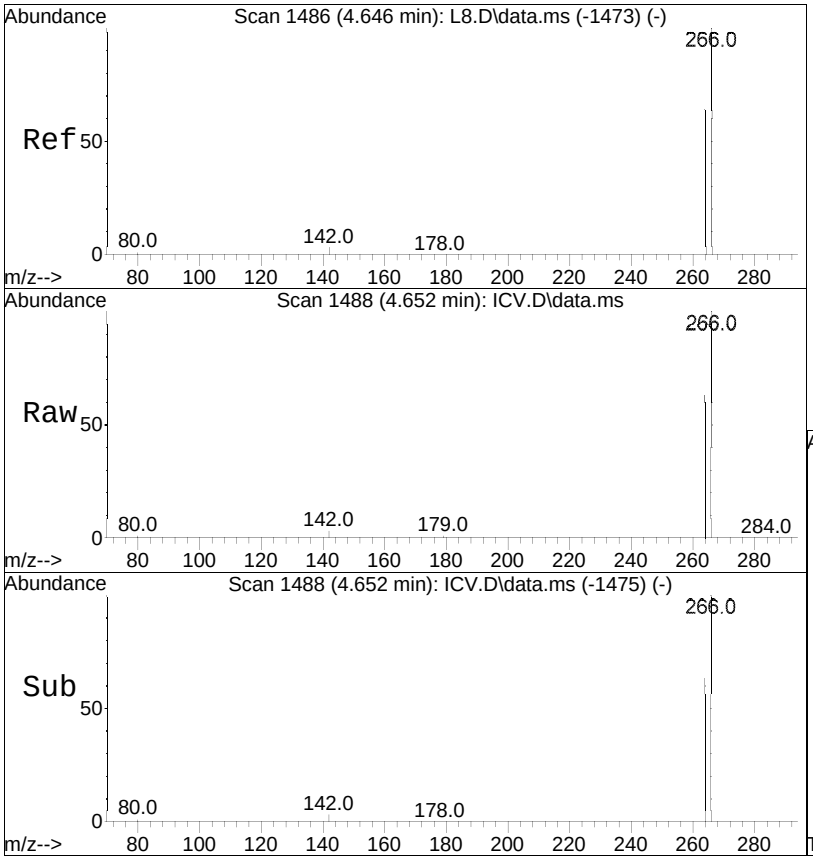


#24
Hexachlorobenzene
Concen: 929.86 ng/ml
RT: 4.546 min Scan# 1434
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:284 Resp: 94894

Ion	Ratio	Lower	Upper
284	100		
142	36.2	28.4	42.6

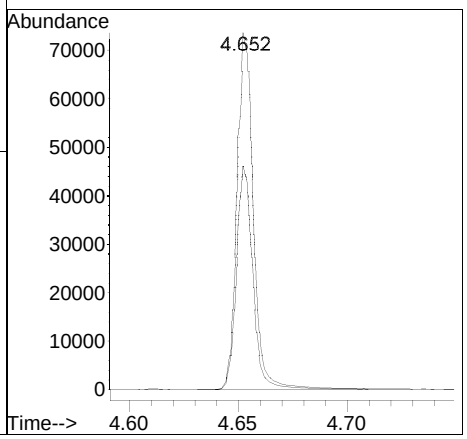


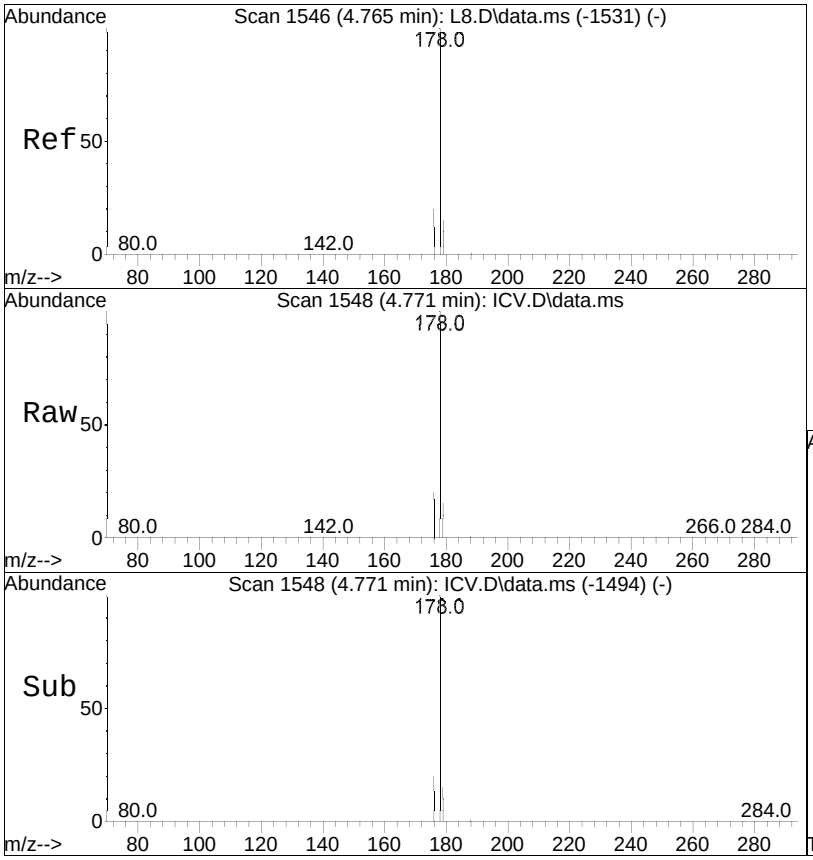


#25
Pentachlorophenol
Concen: 1012.48 ng/ml M2
RT: 4.652 min Scan# 1488
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:266 Resp: 38433

Ion	Ratio	Lower	Upper
266	100		
264	0.0	50.6	76.0#

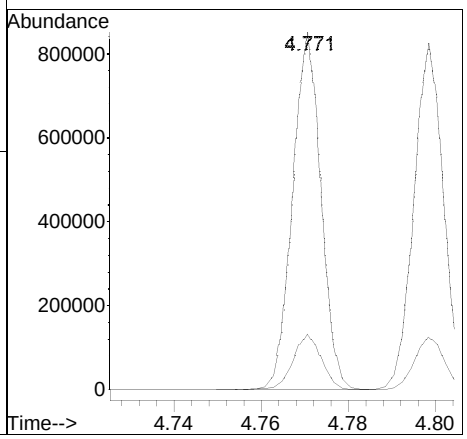


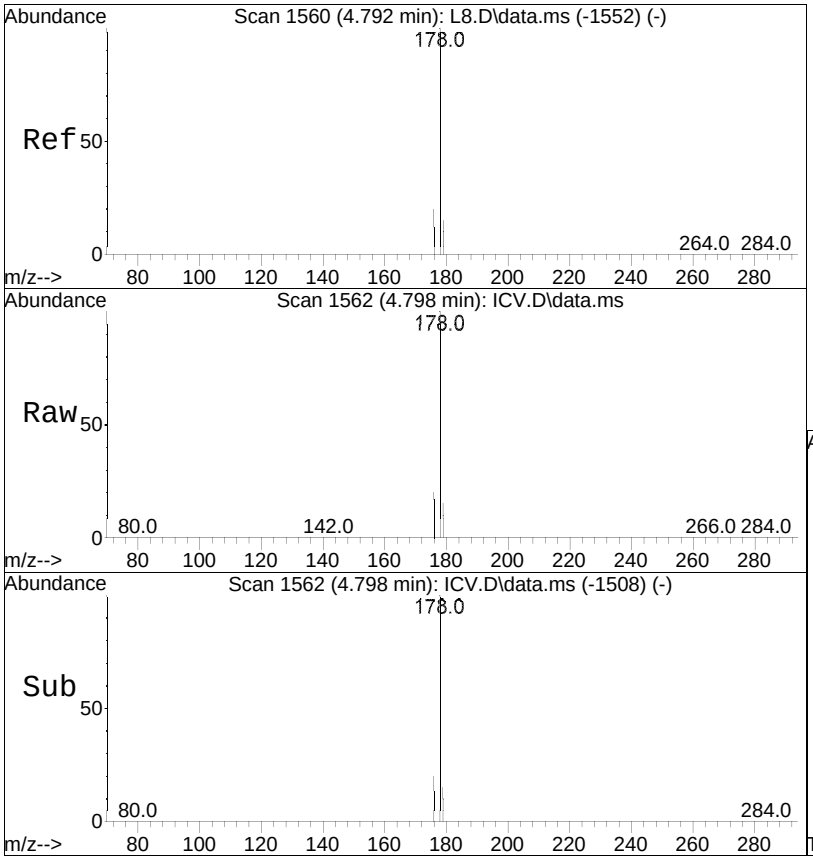


#26
Phenanthrene
Concen: 914.95 ng/ml M3
RT: 4.771 min Scan# 1548
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:178 Resp: 385001

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

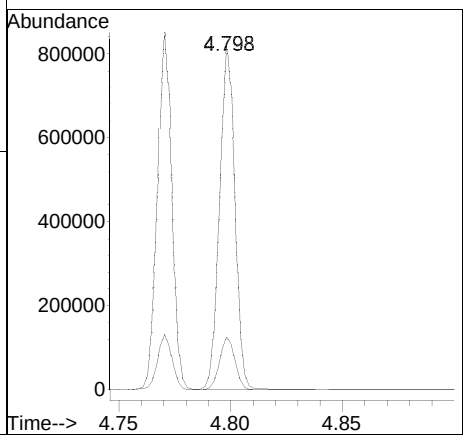


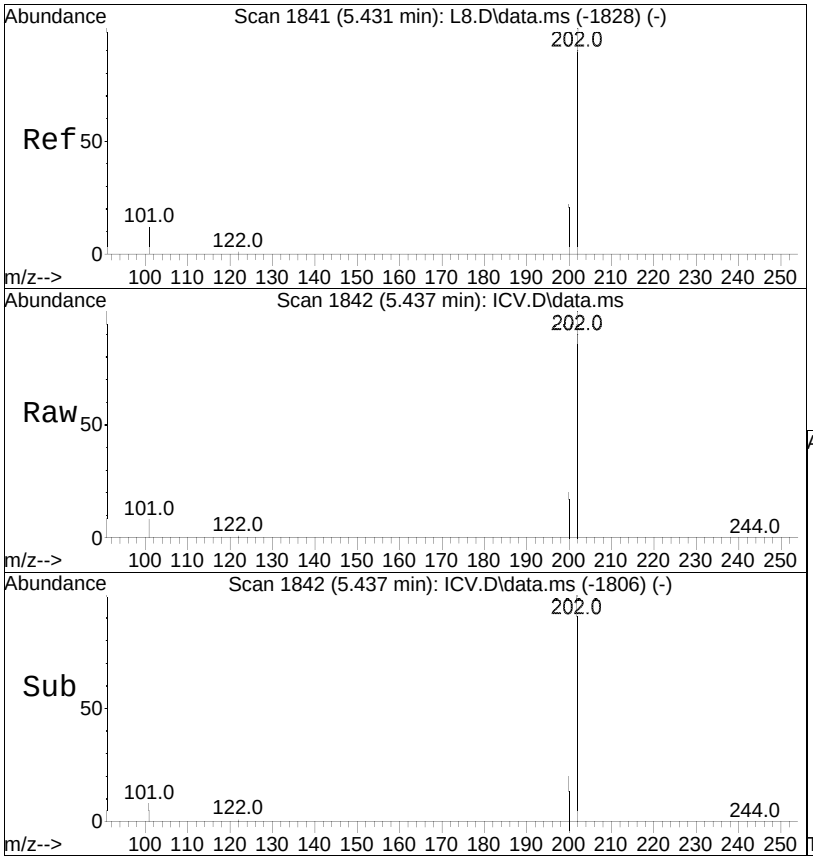


#27
Anthracene
Concen: 948.52 ng/ml
RT: 4.798 min Scan# 1562
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:178 Resp: 391693

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7

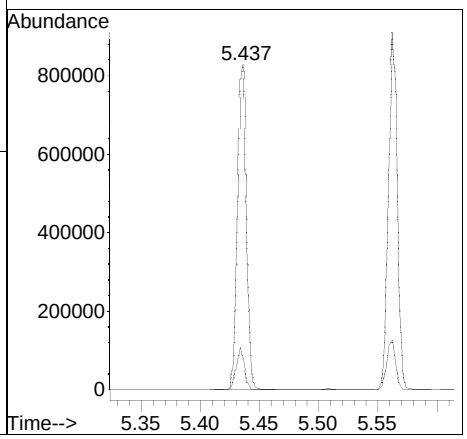


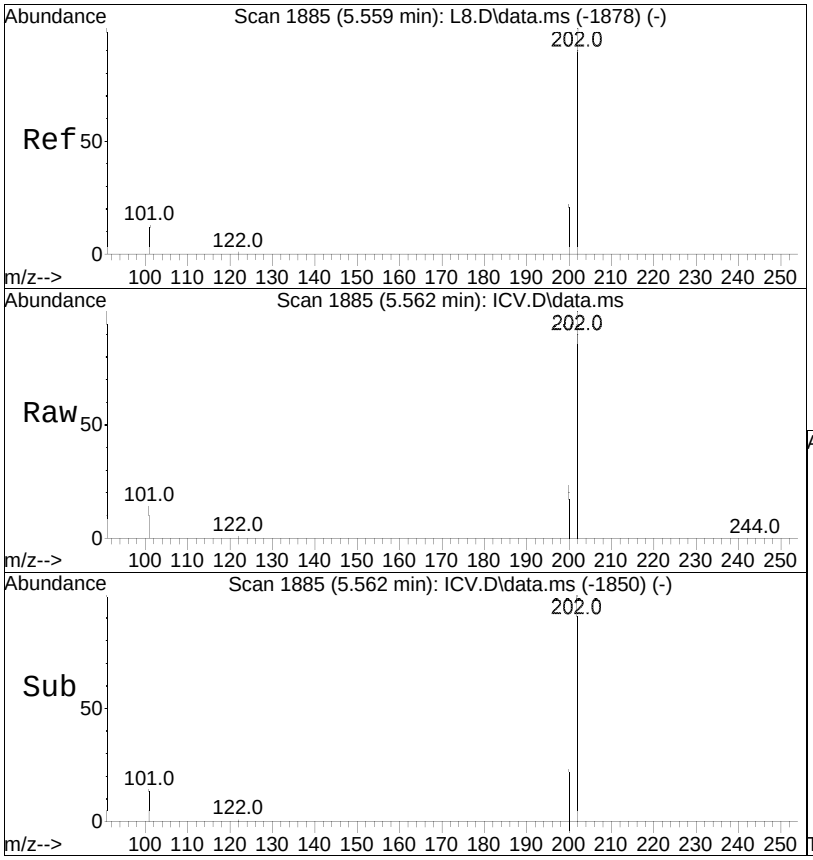


#28
Fluoranthene
Concen: 936.64 ng/ml
RT: 5.437 min Scan# 1842
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:202 Resp: 441182

Ion	Ratio	Lower	Upper
202	100		
101	11.7	6.9	10.3#

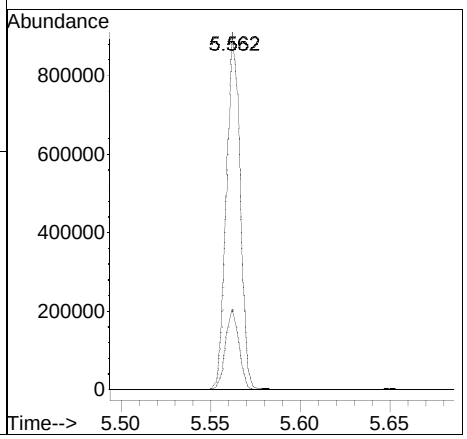


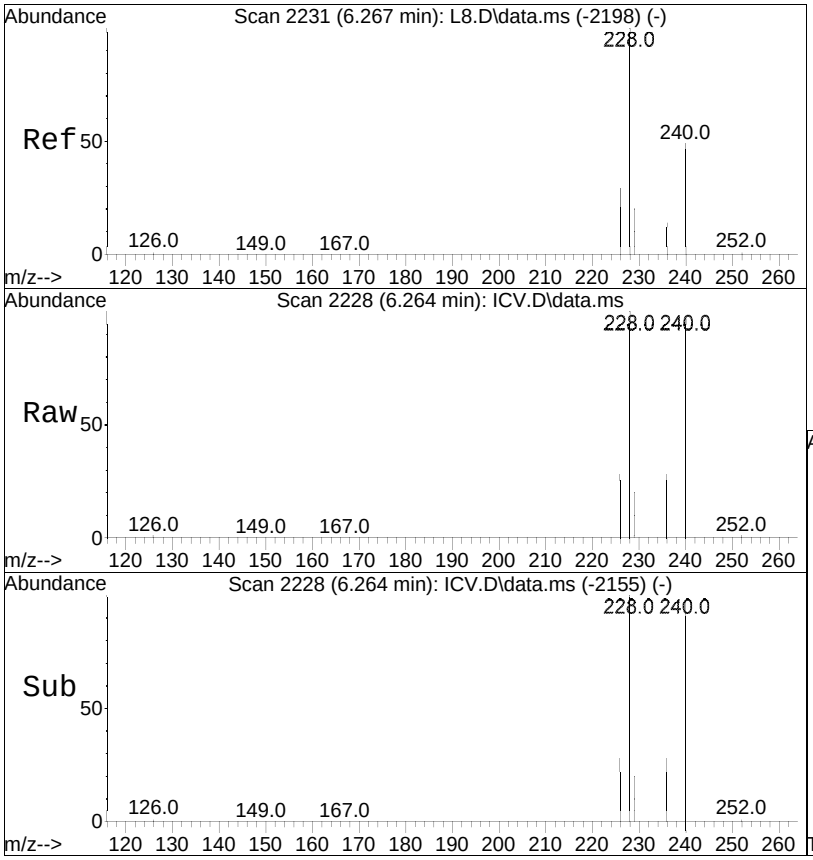


#29
Pyrene
Concen: 952.78 ng/ml
RT: 5.562 min Scan# 1885
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:202 Resp: 476733

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.0

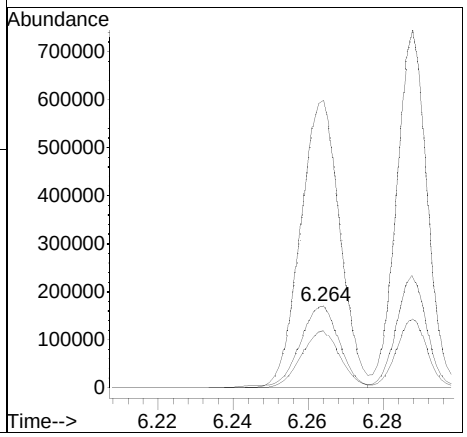


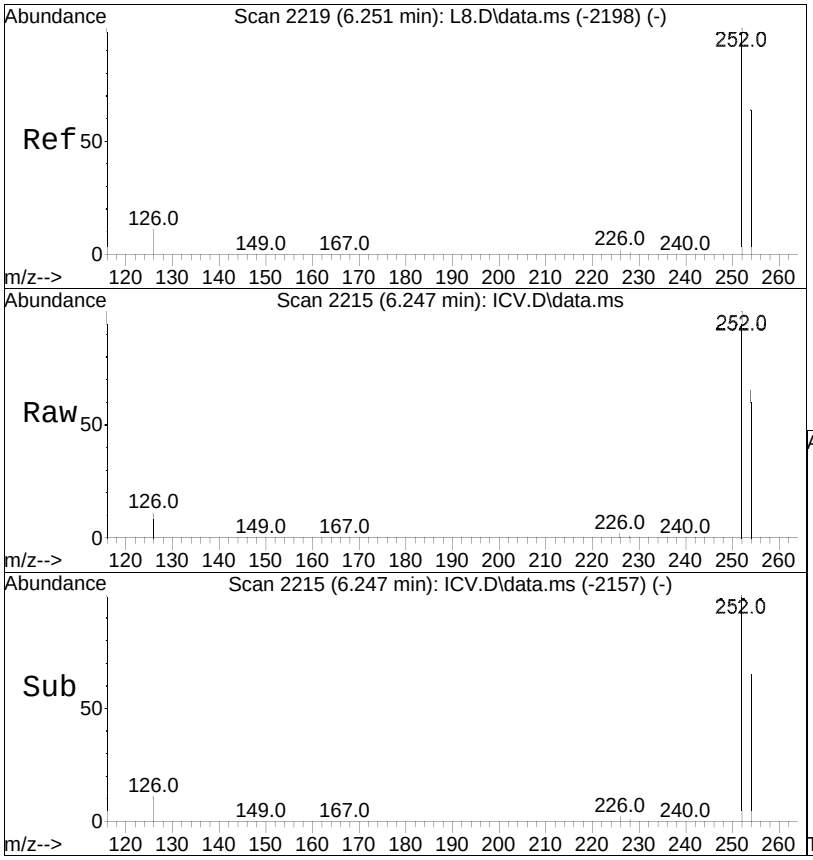


#32
Benzo[a]anthracene
Concen: 855.11 ng/ml
RT: 6.264 min Scan# 2228
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:226 Resp: 125600

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	345.9	284.1	426.1
229	68.3	56.6	85.0

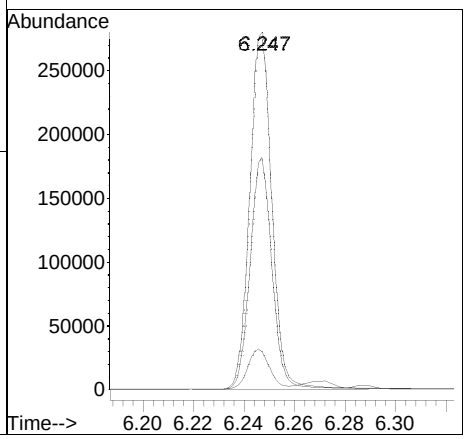


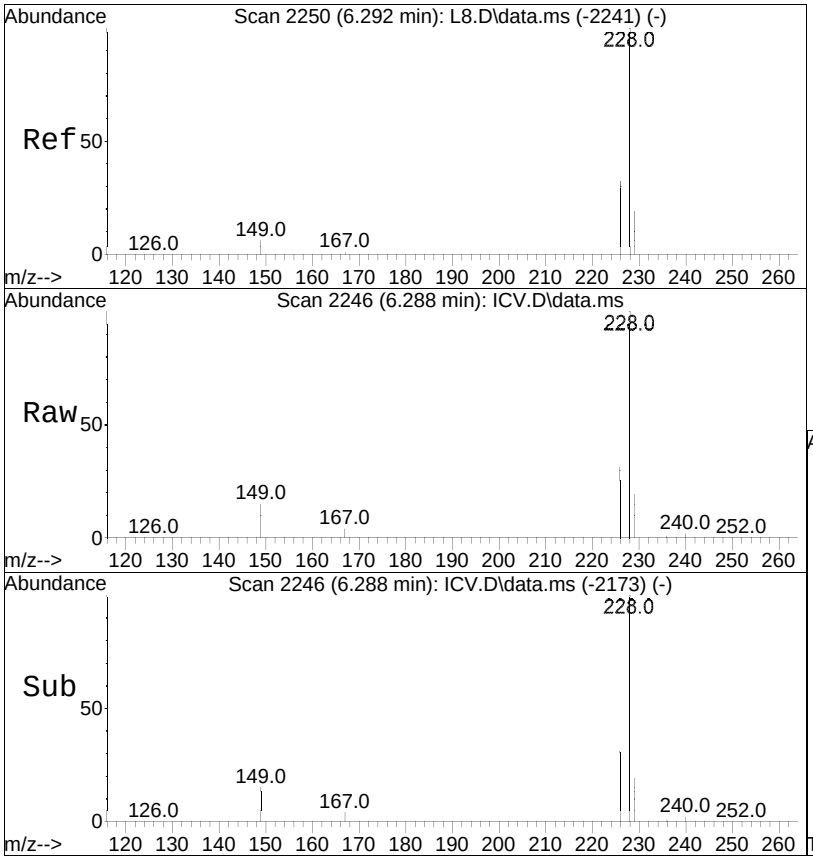


#33
3,3'-Dichlorobenzidine
Concen: 1066.32 ng/ml
RT: 6.247 min Scan# 2215
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 166953

Ion	Ratio	Lower	Upper
252	100		
126	11.3	11.3	16.9
254	64.6	51.4	77.0

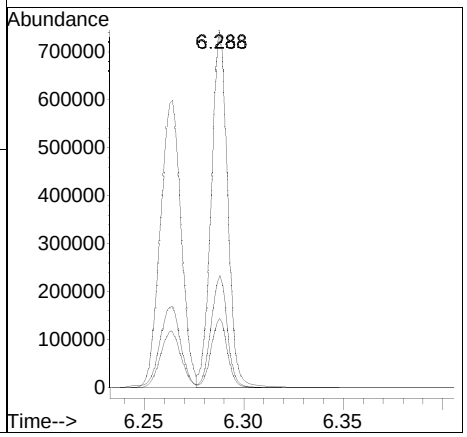


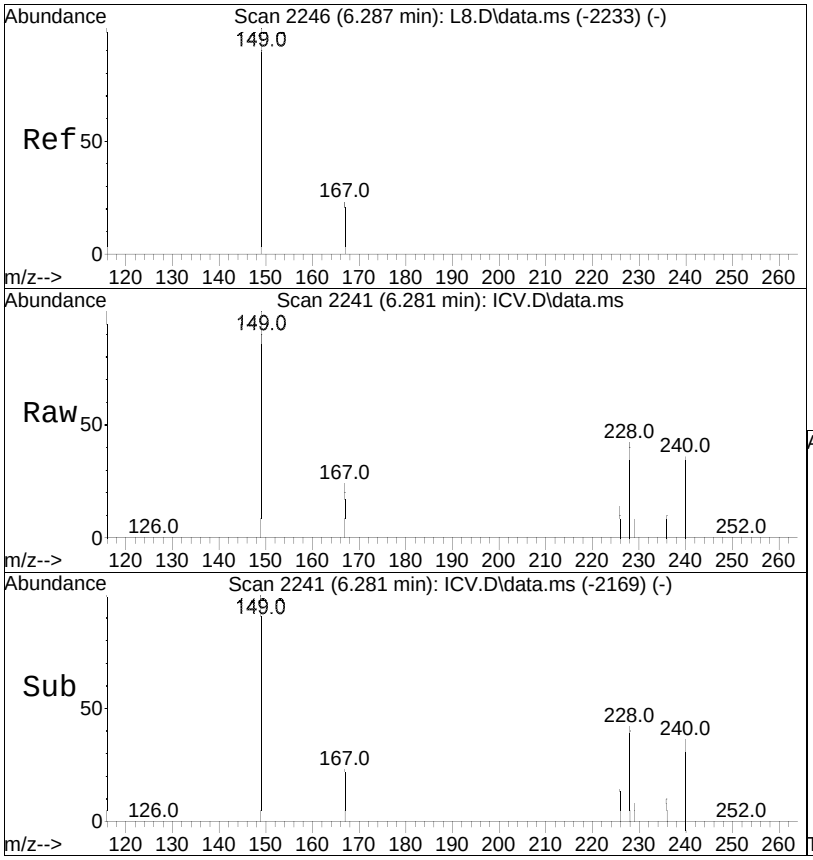


#34
Chrysene
Concen: 943.47 ng/ml
RT: 6.288 min Scan# 2246
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:228 Resp: 426866

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	36.8
227	0.0	0.0	0.0
229	19.3	15.4	23.2

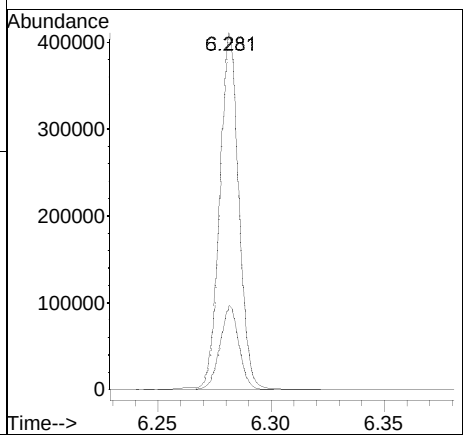


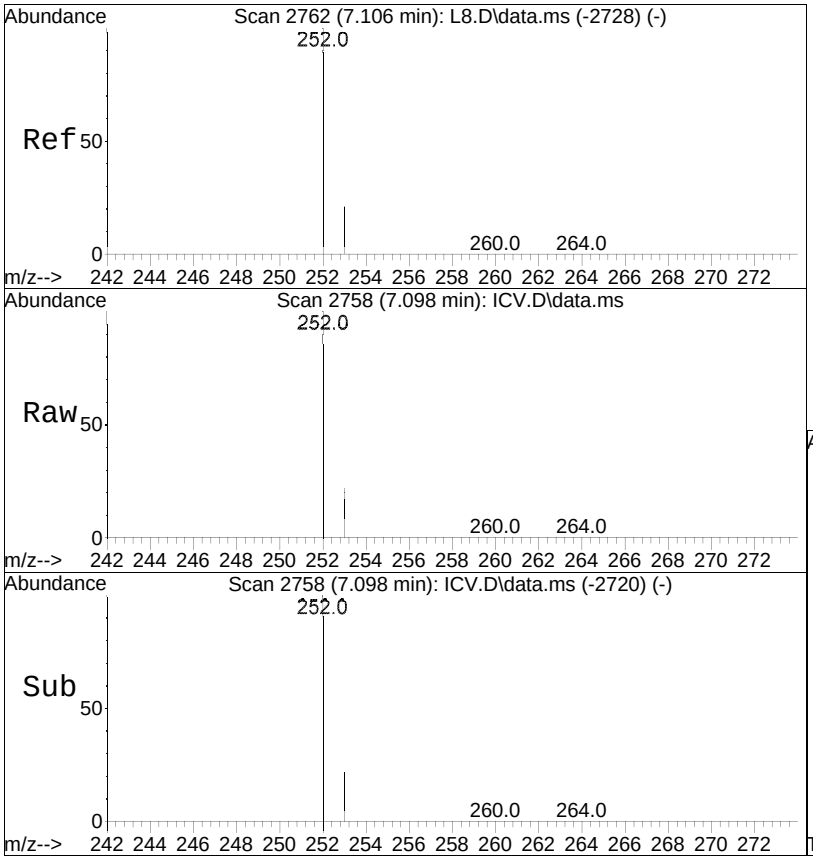


#35
Bis(2-ethylhexyl)phthalate
Concen: 907.51 ng/ml
RT: 6.281 min Scan# 2241
Delta R.T. -0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:149 Resp: 236774

Ion	Ratio	Lower	Upper
149	100		
167	23.4	20.6	31.0

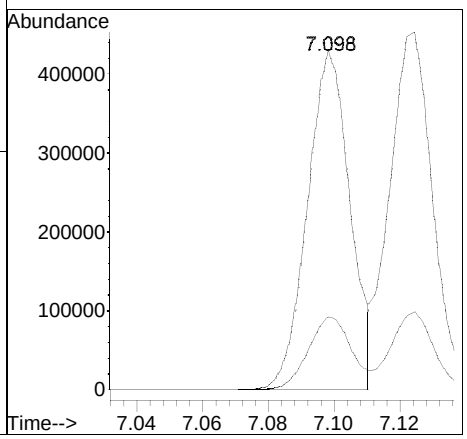


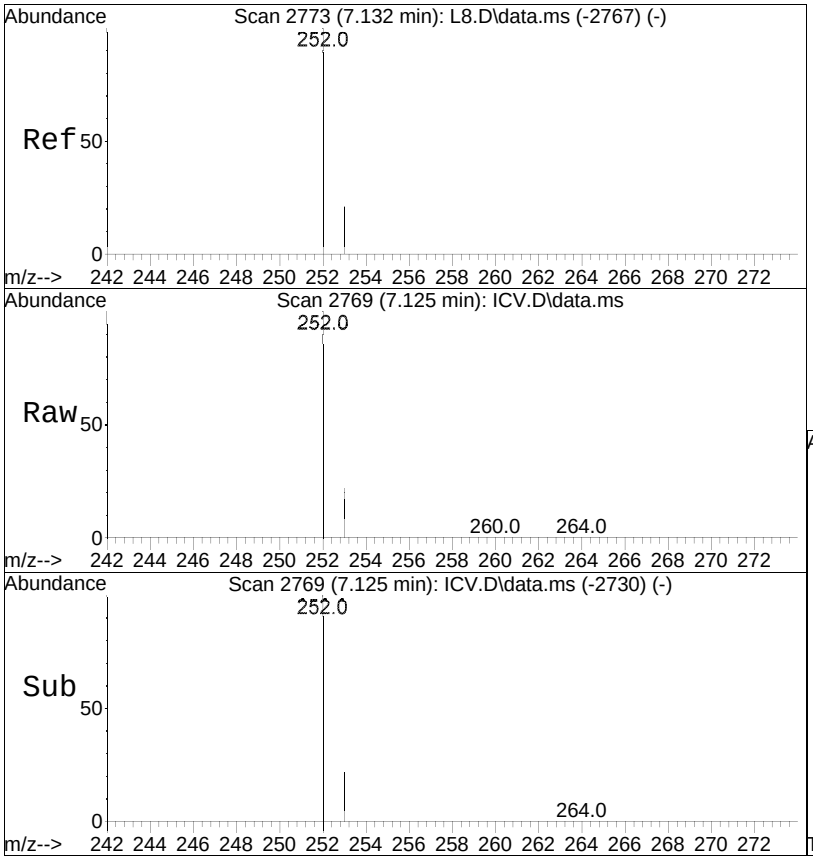


#37
Benzo[b]fluoranthene
Concen: 962.58 ng/ml
RT: 7.098 min Scan# 2758
Delta R.T. -0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 386845

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4

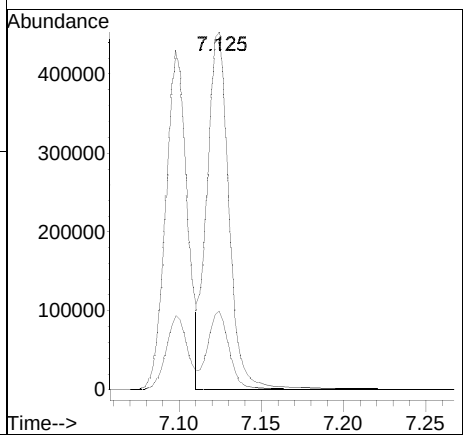


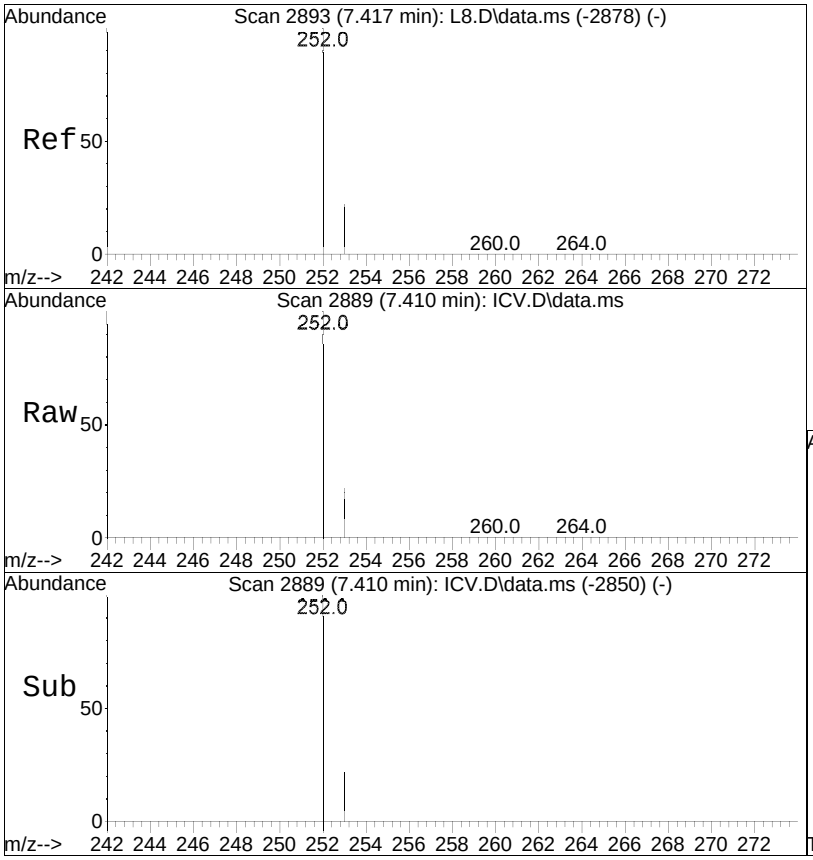


#38
Benzo[k]fluoranthene
Concen: 984.26 ng/ml
RT: 7.125 min Scan# 2769
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 419398

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4

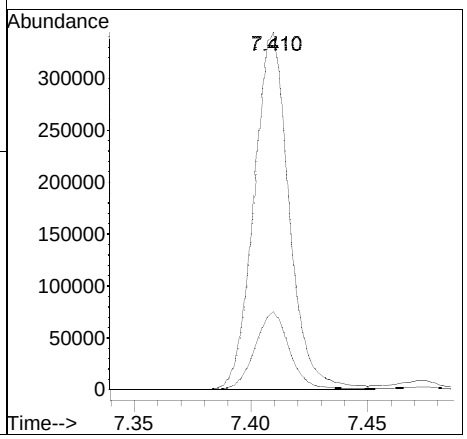


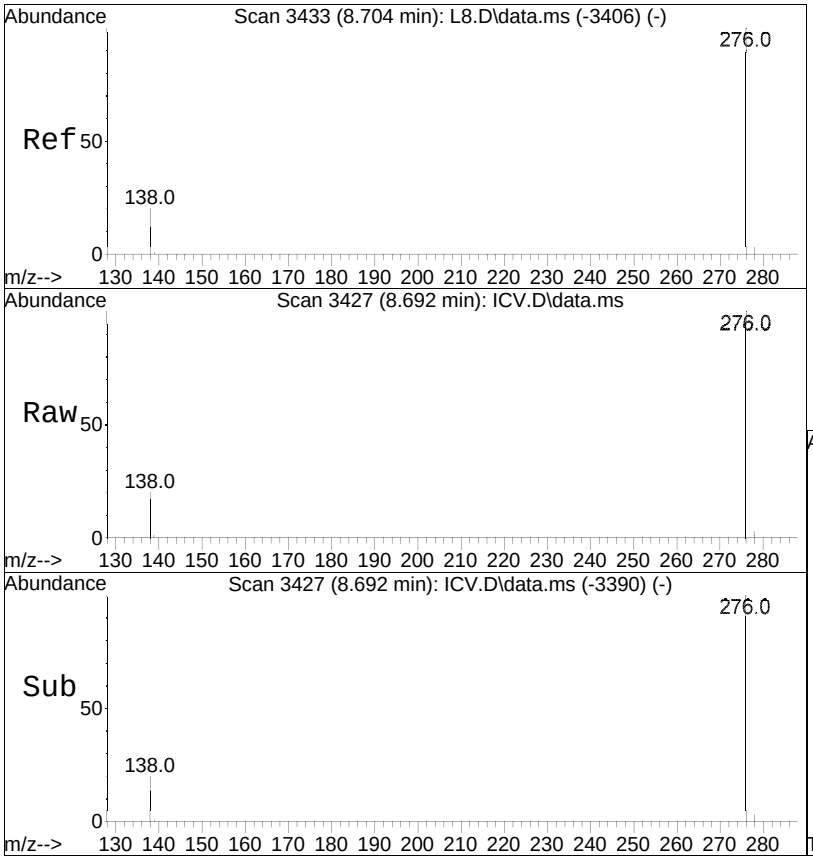


#39
Benzo[a]pyrene
Concen: 1003.79 ng/ml
RT: 7.410 min Scan# 2889
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 356399

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3

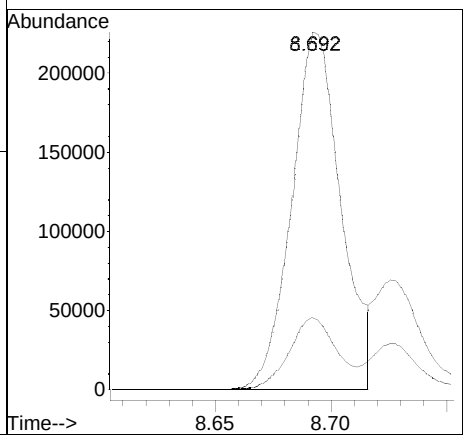


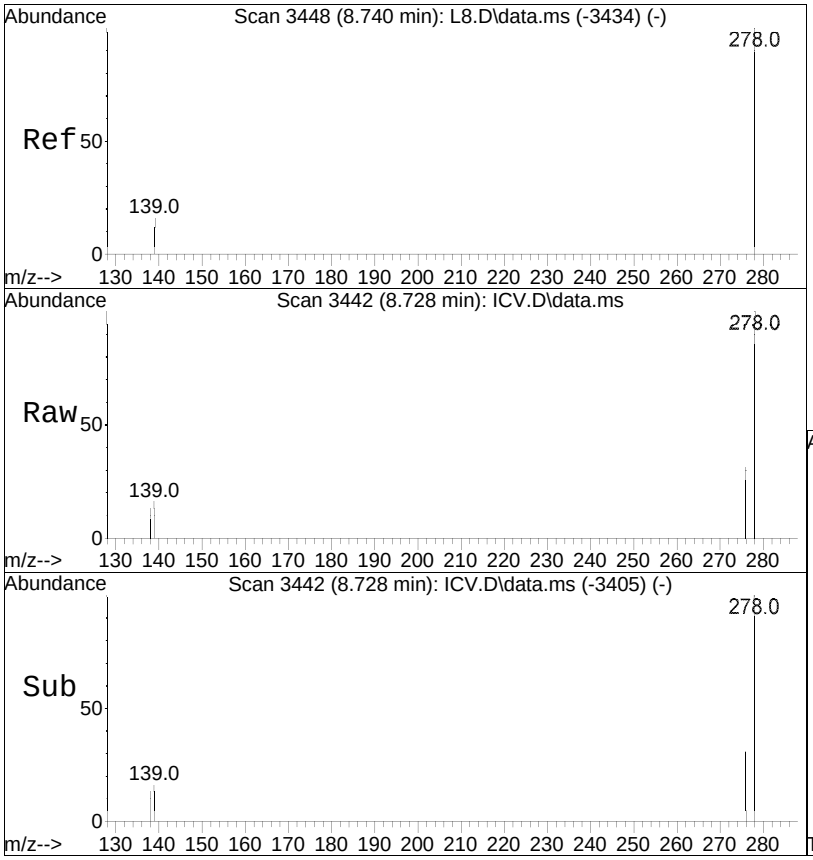


#40
Indeno[1,2,3-cd]pyrene
Concen: 1002.15 ng/ml
RT: 8.692 min Scan# 3427
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:276 Resp: 331722

Ion	Ratio	Lower	Upper
276	100		
138	19.7	11.8	17.6#

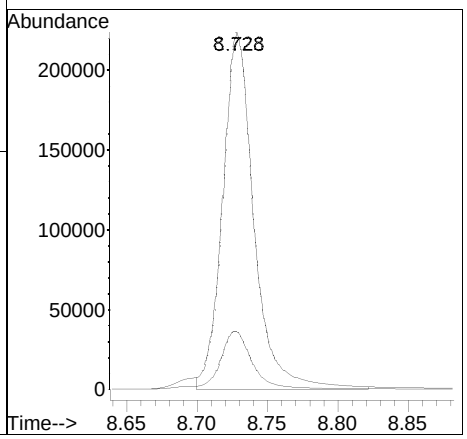


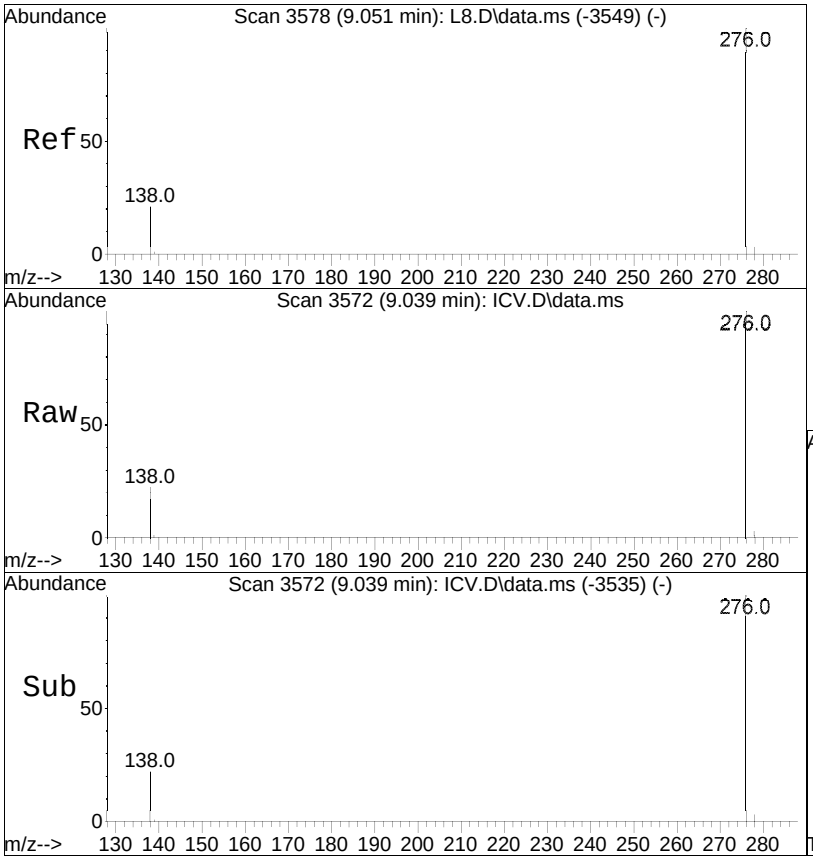


#41
Dibenzo[a,h]anthracene
Concen: 1018.90 ng/ml M6
RT: 8.728 min Scan# 3442
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:278 Resp: 343322

Ion	Ratio	Lower	Upper
278	100		
139	17.0	9.8	14.8#

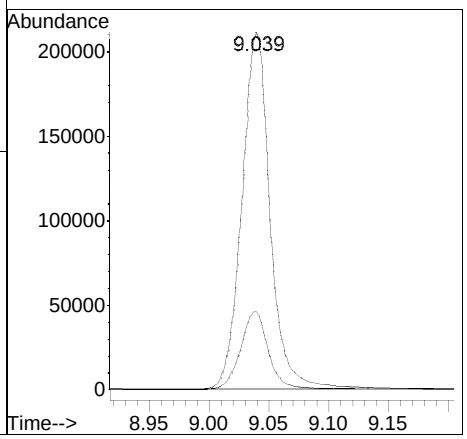




#42
Benzo[g,h,i]perylene
Concen: 984.59 ng/ml
RT: 9.039 min Scan# 3572
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:276 Resp: 341643

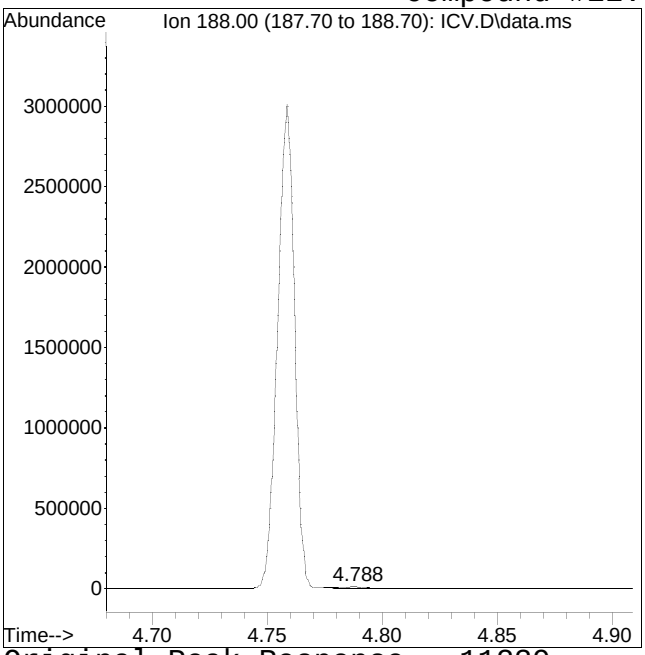
Ion	Ratio	Lower	Upper
276	100		
138	21.9	12.8	19.2#

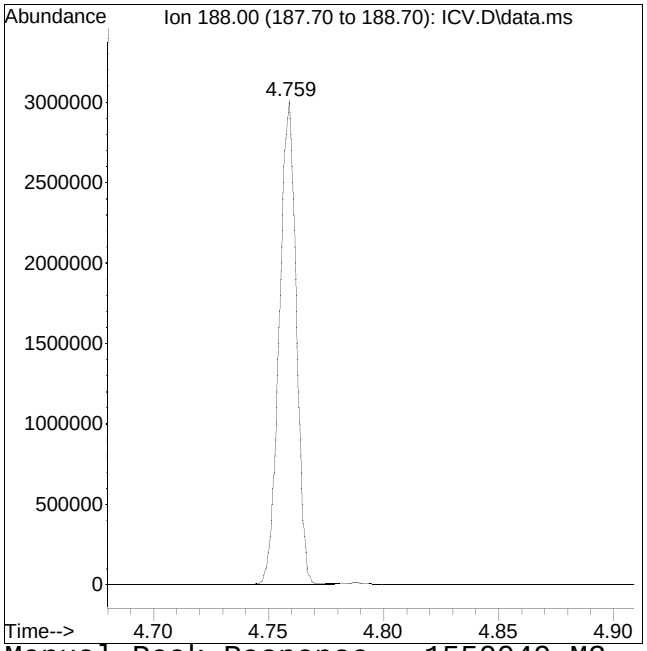


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : ICV.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:38 pm Instrument : SV118
Sample : CQICV,32,, #10884 1000 ng/Quant Date : 12/4/2024 11:32 am

Compound #22: Phenanthrene-d10



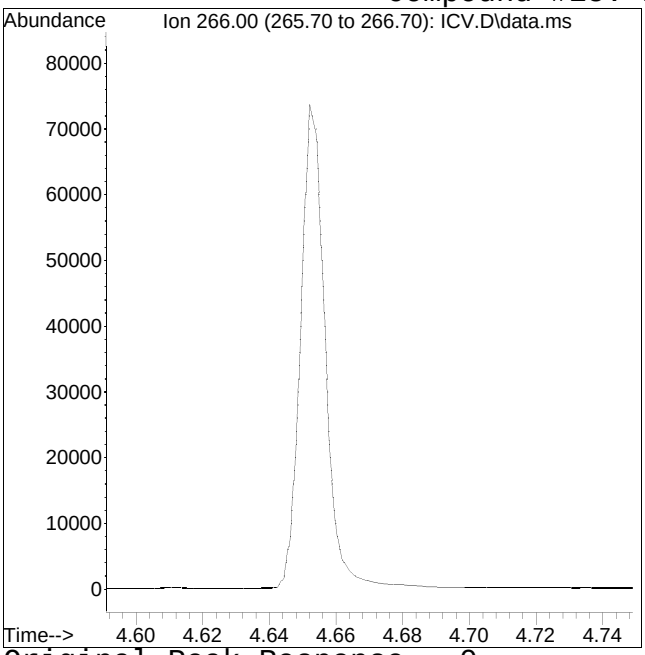


Original Peak Response = 11239 Manual Peak Response = 1550049 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

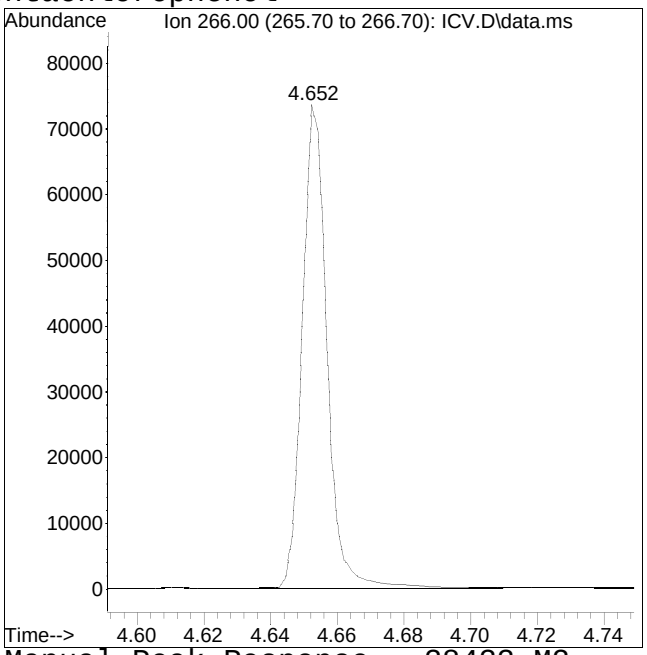
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : ICV.D
Date Inj'd : 10/25/2024 7:38 pm
Sample : CQICV,32,, #10884 1000 ng/
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:32 am

Compound #25: Pentachlorophenol



Original Peak Response = 0



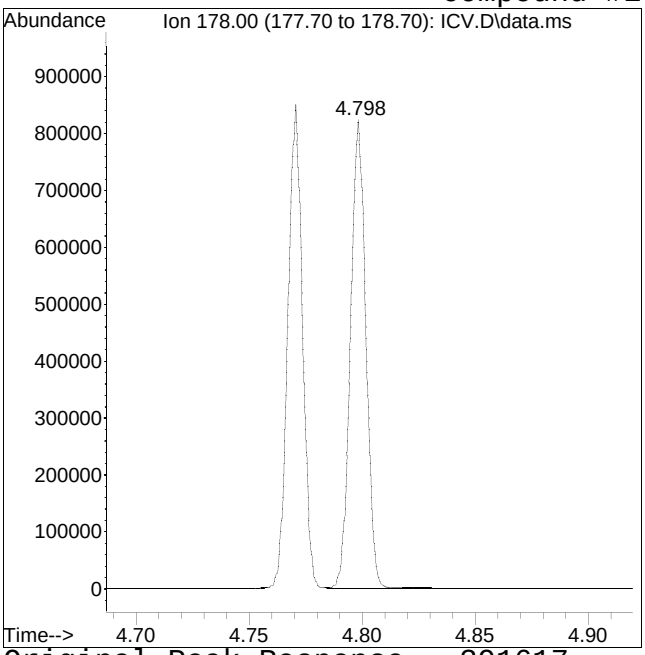
Manual Peak Response = 38433 M2

M2 = Peak not found by automatic integration algorithm.

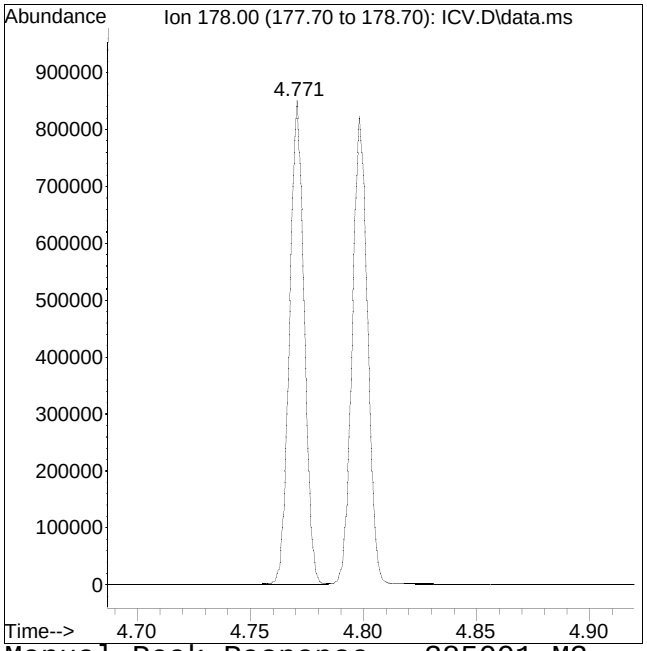
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : ICV.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:38 pm Instrument : SV118
Sample : CQICV,32,, #10884 1000 ng/Quant Date : 12/4/2024 11:32 am

Compound #26: Phenanthrene



Original Peak Response = 391617



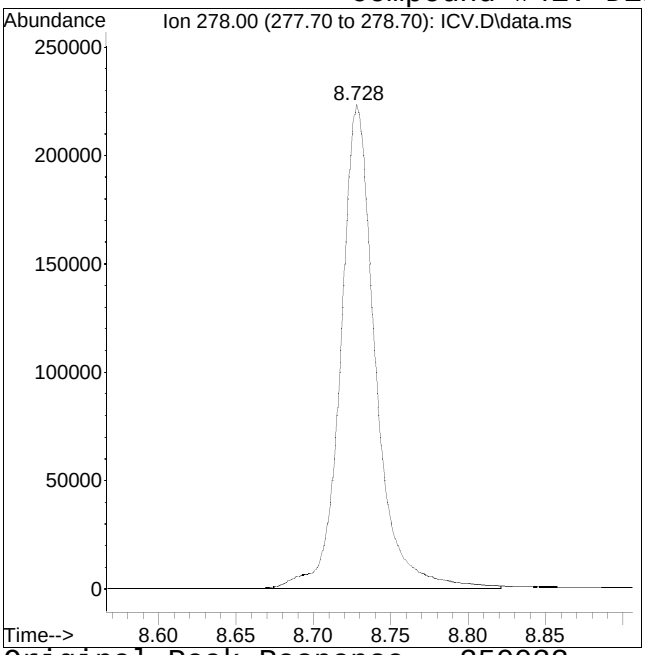
Manual Peak Response = 385001 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

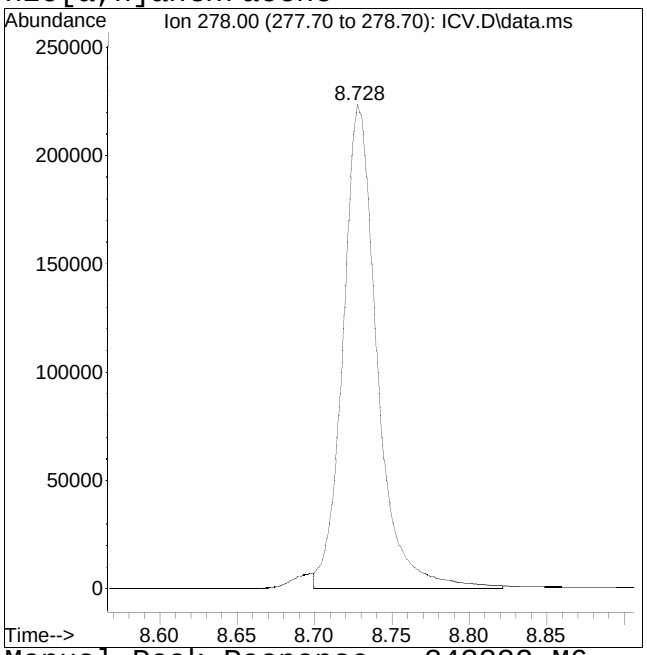
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : ICV.D
Date Inj'd : 10/25/2024 7:38 pm
Sample : CQICV,32,, #10884 1000 ng/
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:32 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 350033



Manual Peak Response = 343322 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV118

Method Path : I:\8270SIM\SV118\241025RVTical\
Method File : SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Oct 28 11:02:57 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4 T	Bis(2-chloroethyl)ether	L	ng/ml	1000.0	1019.044	1.9	5.00	2.976	-40.5
19 T	2,4-Dinitrotoluene	L	ng/ml	1000.0	932.864	-6.7	40.00	46.482	16.2
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	927.565	-7.2	40.00	46.224	15.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4 T	Bis(2-chloroethyl)ether	Linear	0.994856	0.000000	1.18217	0.000723717
19 T	2,4-Dinitrotoluene	Linear	0.997765	0.000000	0.254615	-0.00159123
23 T	4,6-Dinitro-o-cresol	Linear	0.997228	0.000000	0.0517324	-0.000314499

Response Factor Report SV120

Method Path : I:\8270SIM\sv120\2024\241105RVTical\
Method File : SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 02 11:35:31 2024
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.181	1.270	1.198	1.168	1.150	1.414	1.190	1.156	1.049	0.996	1.177	9.65
3)	s	Phenol-d6	1.421	1.476	1.368	1.383	1.366	1.703	1.420	1.437	1.475	1.418	1.447	6.78
4)	T	bis(2-Chloroethyl)ether				1.180	1.209	2.019	1.197	1.185	1.180	1.103	*Q	0.9949
5)	T	n-Nitrosodi-n-propylamine			0.854	0.813	0.816	1.027	0.852	0.871	0.891	0.856	0.873	7.74
6)	t	Hexachloroethane			0.519	0.505	0.501	0.629	0.518	0.518	0.510	0.489	0.524	8.39
7)	s	Nitrobenzene-d5		1.243	1.235	1.219	1.224	1.533	1.264	1.279	1.280	1.217	1.277	7.74
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.154	1.028	0.974	0.957	1.173	0.960	0.947	0.931	0.876	1.000	10.10
10)	t	Hexachlorobutadiene		0.205	0.193	0.186	0.183	0.223	0.185	0.182	0.179	0.169	0.189	8.32
11)	t	2-Methylnaphthalene	0.742	0.741	0.698	0.667	0.660	0.818	0.683	0.665	0.652	0.615	0.694	8.43
12)	t	1-Methylnaphthalene	0.669	0.683	0.649	0.619	0.615	0.762	0.623	0.606	0.597	0.563	0.639	8.75
13)	s	2-Fluorobiphenyl	0.894	0.876	0.822	0.801	0.797	0.977	0.778	0.744	0.711	0.663	0.806	11.41
14)	t	2-Chloronaphthalene	0.738	0.750	0.700	0.668	0.667	0.819	0.662	0.644	0.636	0.607	0.689	9.21
15)	t	2,6-Dinitrotoluene					0.130	0.170	0.150	0.152	0.156	0.178	0.156	10.83
16)	t	Acenaphthylene	1.010	1.049	0.959	0.925	0.938	1.190	1.000	0.977	0.969	0.920	0.994	8.04
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.347	1.308	1.174	1.193	1.153	1.415	1.141	1.136	1.136	1.070	1.207	9.18
19)	t	2,4-Dinitrotoluene					0.256	0.367	0.337	0.352	0.361	0.342	0.336	12.13
20)	t	Fluorene	1.402	1.403	1.274	1.250	1.256	1.565	1.273	1.266	1.229	1.146	1.306	9.07
21)	s	2,4,6-Tribromophenol		0.150	0.143	0.137	0.146	0.193	0.166	0.167	0.170	0.163	0.159	10.79
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.068	0.099	0.102	0.111	0.123	0.121	*L	0.9983
24)	t	Hexachlorobenzene		0.234	0.216	0.207	0.203	0.251	0.206	0.202	0.198	0.185	0.211	9.43
25)	t	Pentachlorophenol				0.076	0.087	0.082	0.094	0.113	0.133	0.133	*Q	0.9965
26)	t	Phenanthrene	0.797	0.930	0.897	0.967	0.944	1.205	0.973	0.954	0.959	0.906	0.953	10.75
27)	t	Anthracene	1.028	1.011	0.975	0.933	0.932	1.179	0.975	0.972	0.964	0.894	0.986	7.91
28)	t	Fluoranthene	1.259	1.192	1.089	1.028	1.038	1.304	1.063	1.044	1.018	0.943	1.098	10.54
29)	t	Pyrene	1.281	1.229	1.126	1.073	1.071	1.358	1.099	1.079	1.035	0.970	1.132	10.60
30)	s	4-Terphenyl-d14		0.798	0.747	0.717	0.726	0.897	0.706	0.694	0.652	0.610	0.727	11.42
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	1.294	0.717	0.357	0.229	0.142	0.152	0.126	0.121	0.126	0.120	*L	0.9993
33)	t	3,3'-Dichlorobenzidine					0.345	0.479	0.427	0.443	0.462	0.437	0.432	10.74
34)	t	Chrysene	0.685	0.988	0.996	1.070	1.064	1.415	1.128	1.138	1.086	1.020	1.059	16.93
35)	T	bis(2-Ethylhexyl)phthalate					0.540	0.722	0.670	0.719	0.806	0.789	0.708	13.59
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.252	1.299	1.184	1.114	1.162	1.380	1.210	1.168	1.203	1.165	1.214	6.42
38)	t	Benzo[k]fluora...	1.121	1.055	1.039	1.002	0.950	1.351	1.152	1.129	1.123	0.990	1.091	10.44
39)	t	Benzo[a]pyrene	0.971	0.979	0.914	0.884	0.897	1.184	1.039	1.022	1.055	0.995	0.994	8.96
40)	t	Indeno[1,2,3-c...	0.987	1.003	0.945	0.921	0.931	1.205	1.059	1.033	1.046	1.036	1.017	8.15
41)	t	Dibenzo[a,h]anthracene	0.936	0.951	0.893	0.882	0.912	1.198	0.992	0.963	0.922	0.900	0.955	9.59
42)	t	Benzo[g,h,i]pe...	0.998	0.996	0.941	0.929	0.931	1.196	1.007	0.990	0.959	0.924	0.987	8.11

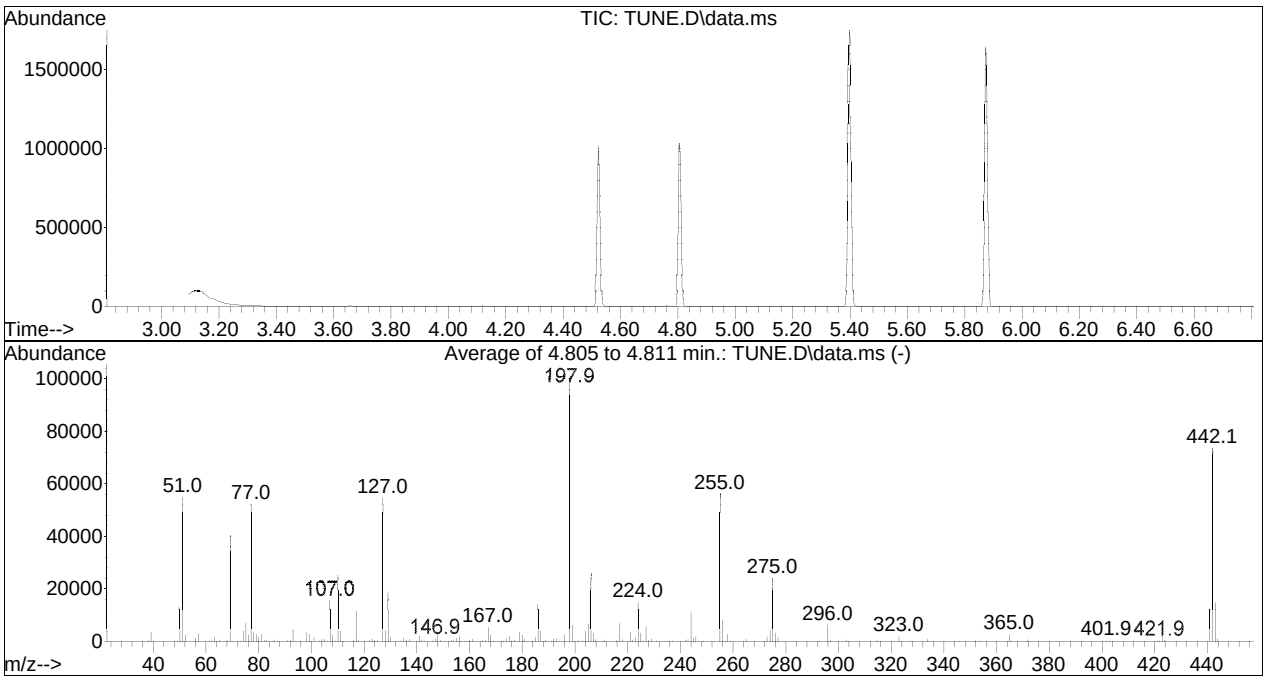
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 2024



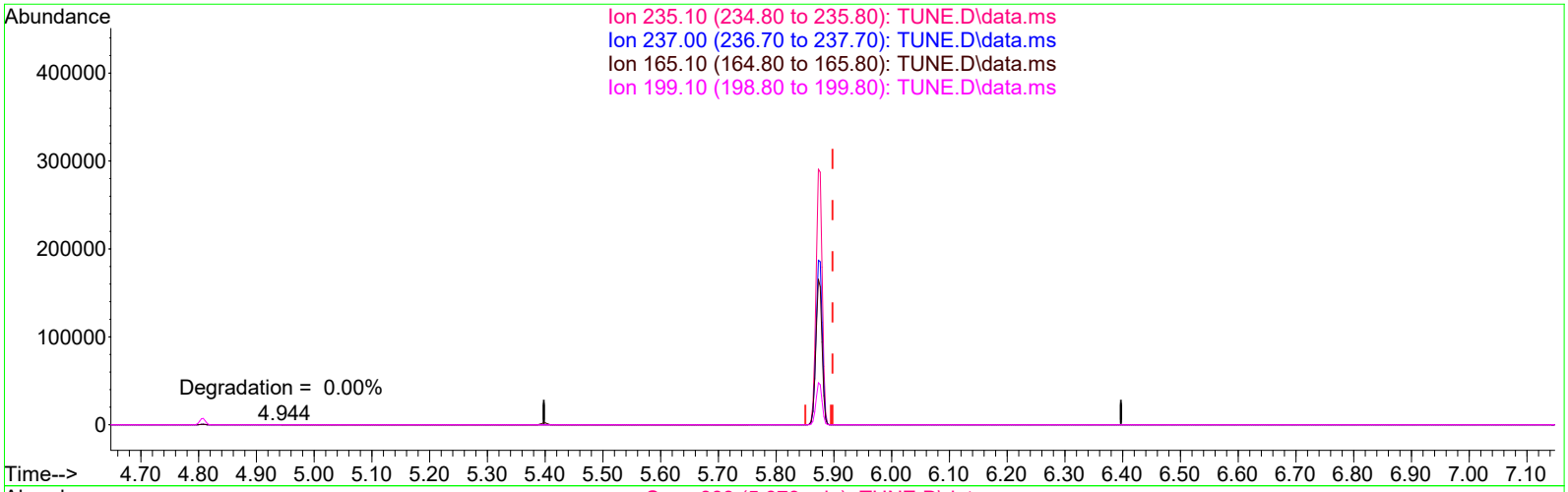
Spectrum Information: Average of 4.805 to 4.811 min.

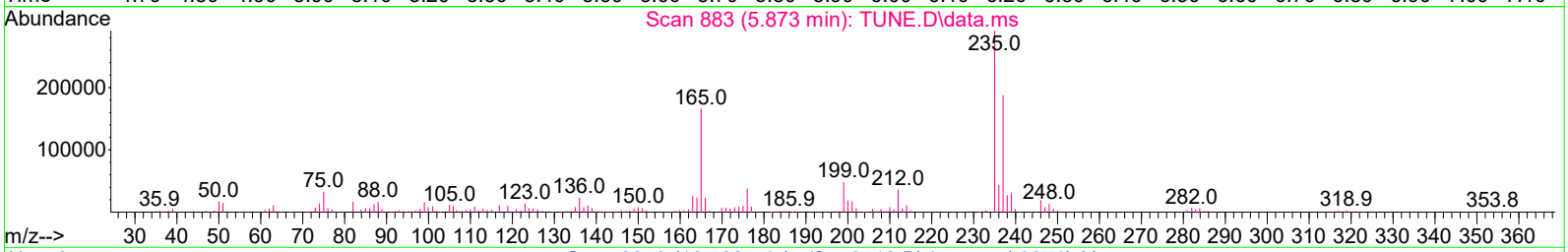
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.6	54901	PASS
68	69	0.00	2	1.7	694	PASS
69	69	100	100	100.0	40091	PASS
70	69	0.00	2	0.6	246	PASS
127	198	10	80	54.3	54555	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	100472	PASS
199	198	5	9	6.2	6264	PASS
275	198	10	60	24.2	24275	PASS
365	198	1	100	2.8	2770	PASS
441	442	0.01	24	16.6	12241	PASS
442	198	50	100	73.2	73557	PASS
443	442	15	24	20.0	14683	PASS

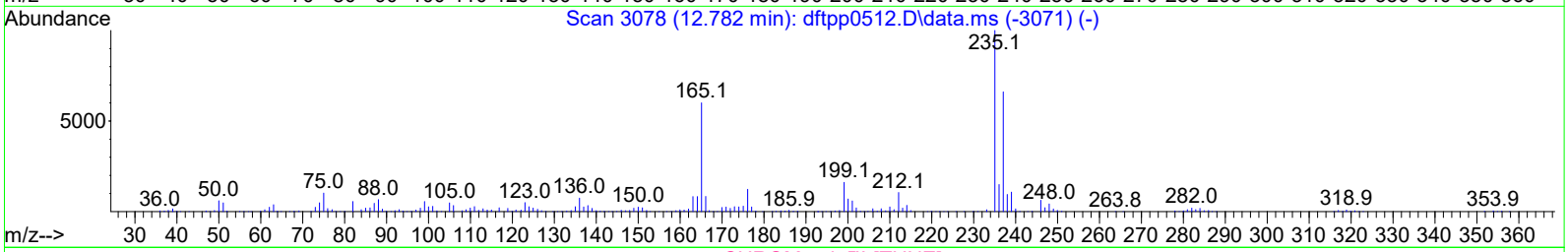
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(6) ddt (T)

5.873min (-0.025) 35.52

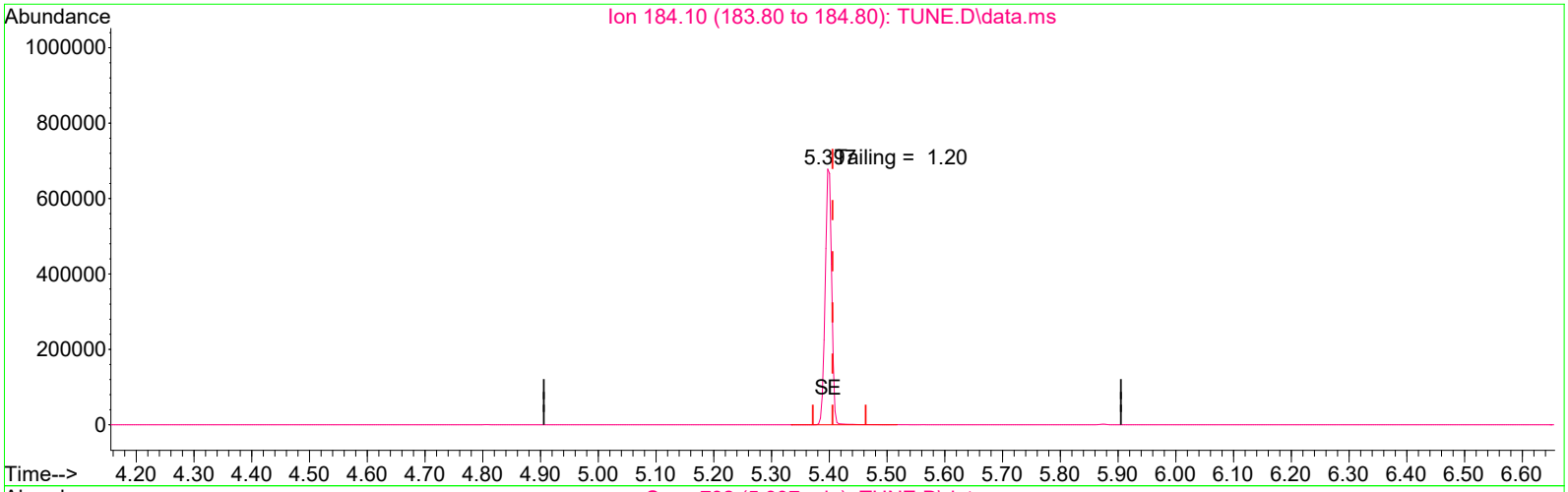
response 216520

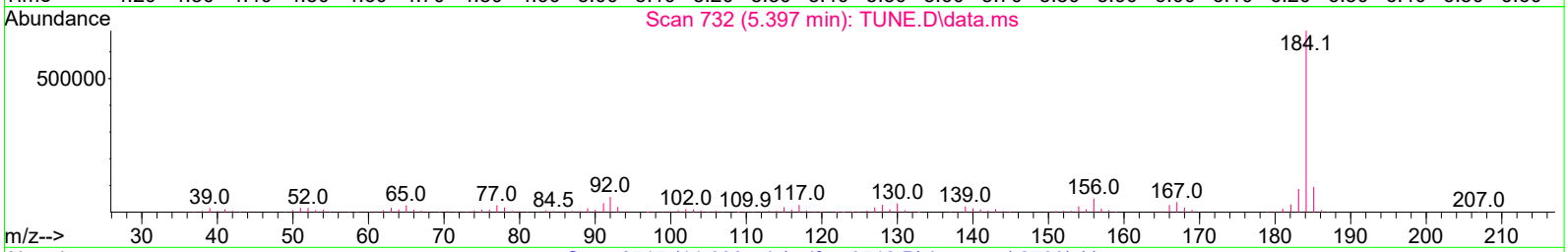
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.54
165.10	53.30	56.29
199.10	17.10	16.12

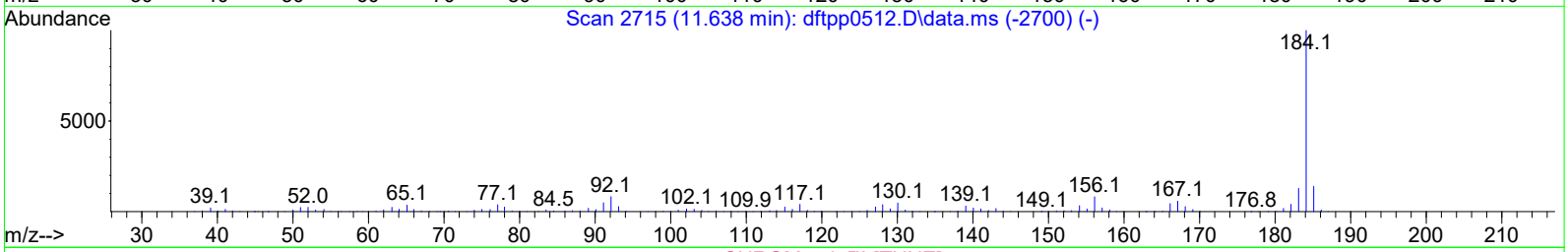
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(3) benzidine (T)

5.397min (-0.009) 51.81

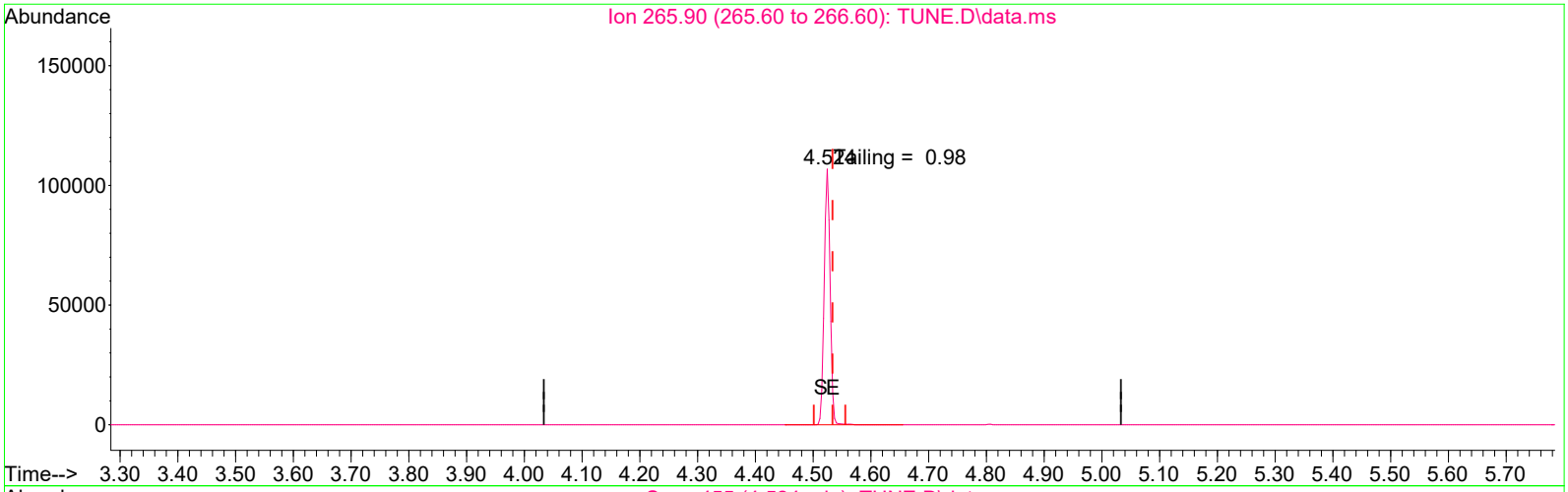
response 527412

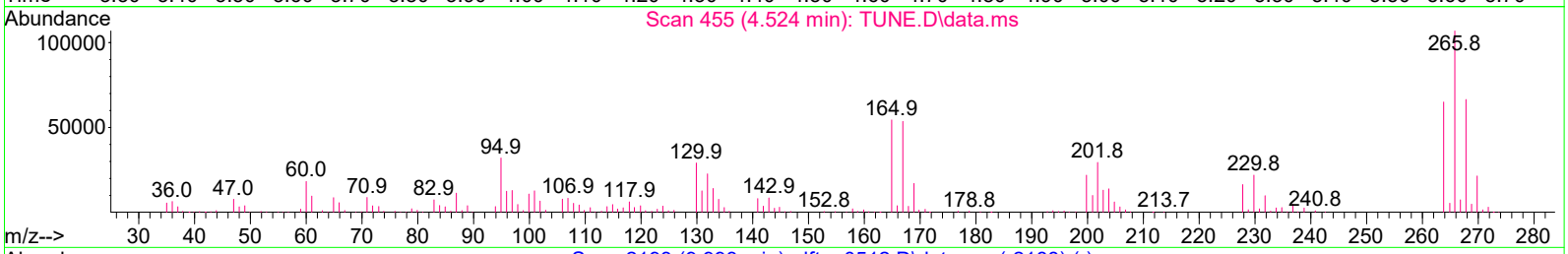
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

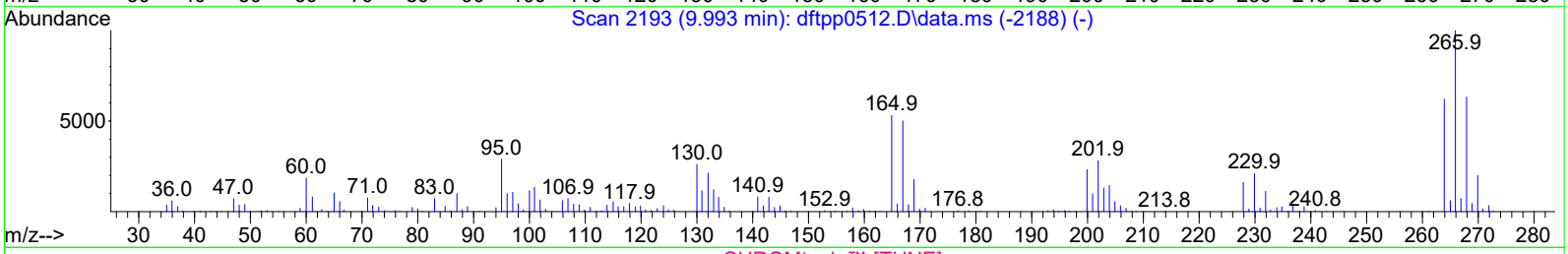
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.524min (-0.010) 36.28

response 76208

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 11:35:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.052	152	341120	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 126.65%			
8) Naphthalene-d8	2.695	136	1341754	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 127.18%			
17) Acenaphthene-d10	3.663	164	790862	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 129.29%			
22) Phenanthrene-d10	4.498	188	1508245	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 129.38%			
31) Chrysene-d12	6.025	240	1190628	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 121.40%			
36) Perylene-d12	7.081	264	1146722	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 119.29%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.511	112	424509	4228.460	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 211.42%#			
3) Phenol-d6	1.884	99	604740	4901.671	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 245.08%#			
7) Nitrobenzene-d5	2.326	82	518850	4763.774	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 476.38%#			
13) 2-Fluorobiphenyl	3.290	172	1112259	4112.803	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 411.28%#			
21) 2,4,6-Tribromophenol	4.108	330	160795	5107.439	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 255.37%#			
30) 4-Terphenyl-d14	5.415	244	1149918	4192.981	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 209.65%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.928	93	470424	5011.563	ng/ml	99
5) n-nitrosodi-n-propylamine	2.256	70	364927	4904.400	ng/ml	99
6) Hexachloroethane	2.296	117	208475	4668.232	ng/ml	100
9) Naphthalene	2.708	128	1469278	4380.543	ng/ml	99
10) Hexachlorobutadiene	2.779	225	283824	4465.859	ng/ml	100
11) 2-Methylnaphthalene	3.082	142	1031748	4430.774	ng/ml	98
12) 1-Methylnaphthalene	3.137	142	943476	4404.966	ng/ml	98
14) 2-Chloronaphthalene	3.351	162	1018713	4407.018	ng/ml	100
15) 2,6-Dinitrotoluene	3.557	165	299038	5715.380	ng/ml#	80
16) Acenaphthylene	3.583	152	1542363	4627.850	ng/ml	100
18) Acenaphthene	3.682	153	1057576	4430.288	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 11:35:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.782	165	338380	5091.155	ng/ml	97
20) Fluorene	3.970	166	1133351	4387.728	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.013	198	228762	5038.967	ng/ml	98
24) Hexachlorobenzene	4.287	284	349380	4385.430	ng/ml	99
25) Pentachlorophenol	4.398	266	250952	4931.379	ng/ml	100
26) Phenanthrene	4.512	178	1708840	4754.447	ng/ml	99
27) Anthracene	4.541	178	1684708	4530.463	ng/ml	99
28) Fluoranthene	5.186	202	1777140	4292.915	ng/ml	99
29) Pyrene	5.315	202	1827805	4281.872	ng/ml	100
32) Benzo[a]anthracene	6.015	228	1786981	4923.842	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.013	252	650897	5057.448	ng/ml	99
34) Chrysene	6.042	228	1518548	4817.616	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	6.054	149	1174567	5574.857	ng/ml	99
37) Benzo[b]fluoranthene	6.755	252	1670157	4799.956	ng/ml	99
38) Benzo[k]fluoranthene	6.780	252	1418971	4536.310	ng/ml	98
39) Benzo[a]pyrene	7.027	252	1426727	5006.017	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.158	276	1485315	5096.701	ng/ml	99
41) Dibenzo[a,h]anthracene	8.195	278	1290764M6	4714.638	ng/ml	
42) Benzo[g,h,i]perylene	8.469	276	1324759	4680.809	ng/ml	100

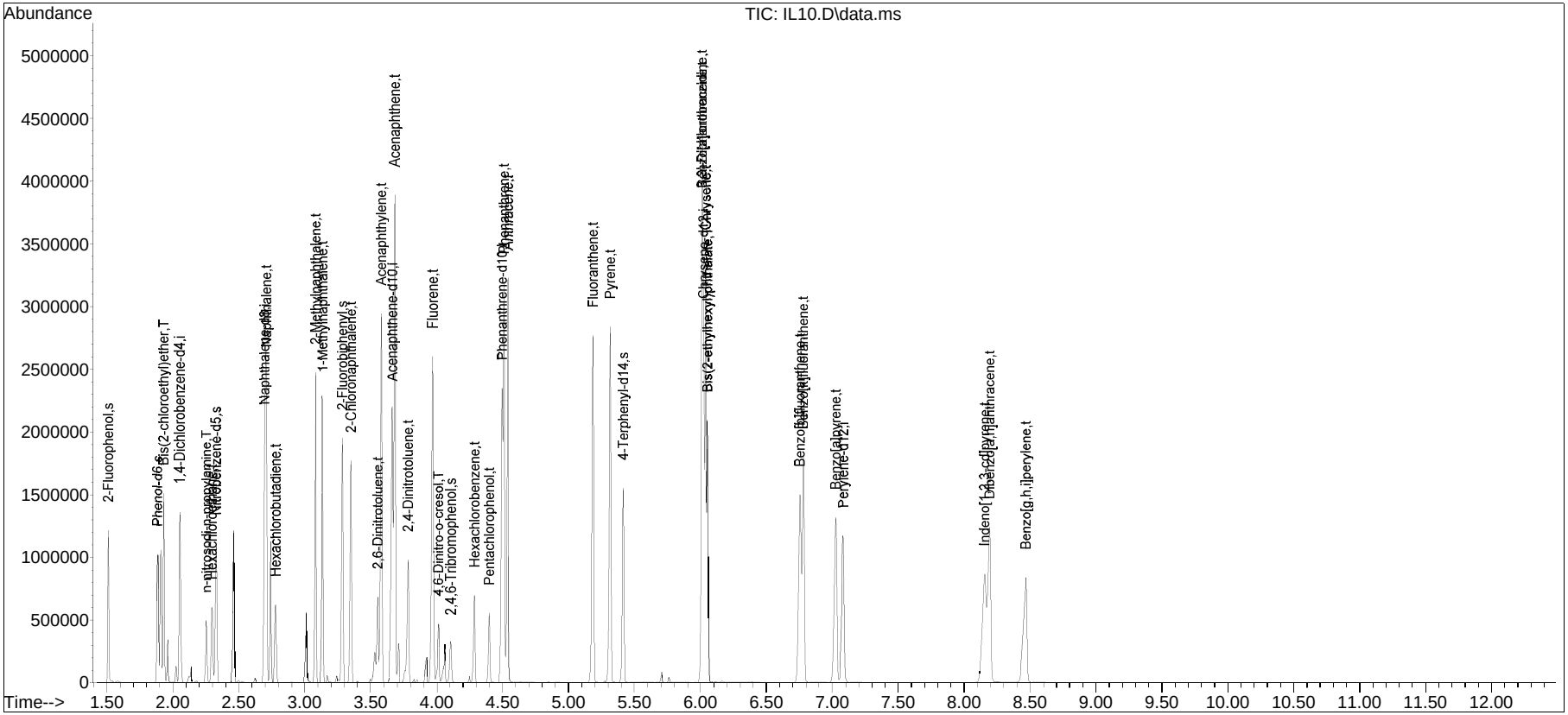
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 11:35:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

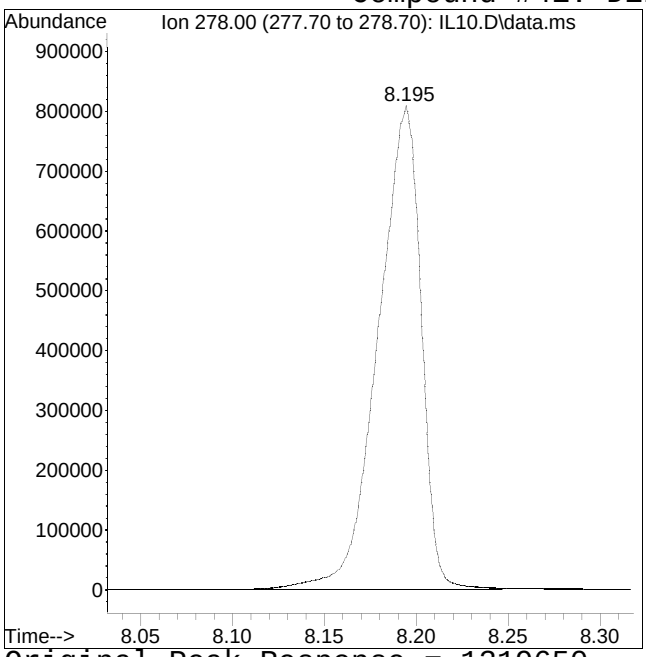
Sub List : Default - All compounds listed05RVTical\IL8.D•



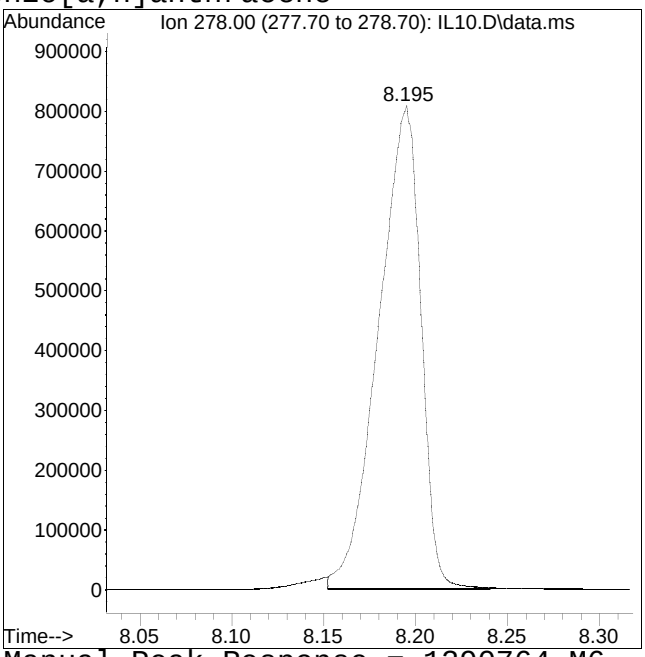
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL10.D
Date Inj'd : 11/5/2024 7:30 am
Sample : IL10,32,,5000.0ng/mL lot#
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1319650



Manual Peak Response = 1290764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 11:36:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.055	152	375547	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 139.43%			
8) Naphthalene-d8	2.696	136	1472470	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 139.57%			
17) Acenaphthene-d10	3.663	164	854571	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 139.70%			
22) Phenanthrene-d10	4.498	188	1617772	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 138.77%			
31) Chrysene-d12	6.021	240	1256082	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 128.07%			
36) Perylene-d12	7.076	264	1168827	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 121.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.519	112	246169M6	2227.263	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 111.36%#			
3) Phenol-d6	1.884	99	346235	2549.114	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 127.46%#			
7) Nitrobenzene-d5	2.327	82	300399	2505.248	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 250.52%#			
13) 2-Fluorobiphenyl	3.287	172	654219	2204.355	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 220.44%#			
21) 2,4,6-Tribromophenol	4.104	330	90546	2661.659	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 133.08%#			
30) 4-Terphenyl-d14	5.410	244	659362	2241.478	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 112.07%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.931	93	276959	2498.793	ng/ml	100
5) n-nitrosodi-n-propylamine	2.254	70	209213	2553.944	ng/ml	99
6) Hexachloroethane	2.300	117	119643	2433.485	ng/ml	100
9) Naphthalene	2.705	128	856706	2327.460	ng/ml	100
10) Hexachlorobutadiene	2.779	225	164702	2361.463	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	600424	2349.581	ng/ml	99
12) 1-Methylnaphthalene	3.135	142	548998	2335.656	ng/ml	99
14) 2-Chloronaphthalene	3.348	162	585059	2306.318	ng/ml	99
15) 2,6-Dinitrotoluene	3.552	165	143159	2493.239	ng/ml	99
16) Acenaphthylene	3.580	152	891422	2437.263	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 11:36:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.680	153	606781	2352.366	ng/ml	100
19) 2,4-Dinitrotoluene	3.777	165	193072	2688.336	ng/ml	98
20) Fluorene	3.969	166	656403	2351.789	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.008	198	124870	2574.954	ng/ml	99
24) Hexachlorobenzene	4.284	284	199978	2340.189	ng/ml	100
25) Pentachlorophenol	4.396	266	134797	2681.512	ng/ml	100
26) Phenanthrene	4.510	178	969517	2514.830	ng/ml	100
27) Anthracene	4.538	178	974860	2444.076	ng/ml	99
28) Fluoranthene	5.185	202	1029736	2319.056	ng/ml	100
29) Pyrene	5.311	202	1046471	2285.523	ng/ml	100
32) Benzo[a]anthracene	6.014	228	986802	2572.728	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.009	252	362996	2673.493	ng/ml	100
34) Chrysene	6.036	228	852188	2562.697	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.052	149	633099	2848.300	ng/ml	99
37) Benzo[b]fluoranthene	6.750	252	879054	2478.583	ng/ml	99
38) Benzo[k]fluoranthene	6.771	252	820638	2573.883	ng/ml	99
39) Benzo[a]pyrene	7.018	252	770547	2652.519	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.147	276	764125	2572.426	ng/ml	99
41) Dibenzo[a,h]anthracene	8.178	278	673807M6	2414.599	ng/ml	
42) Benzo[g,h,i]perylene	8.452	276	700594	2428.613	ng/ml	100

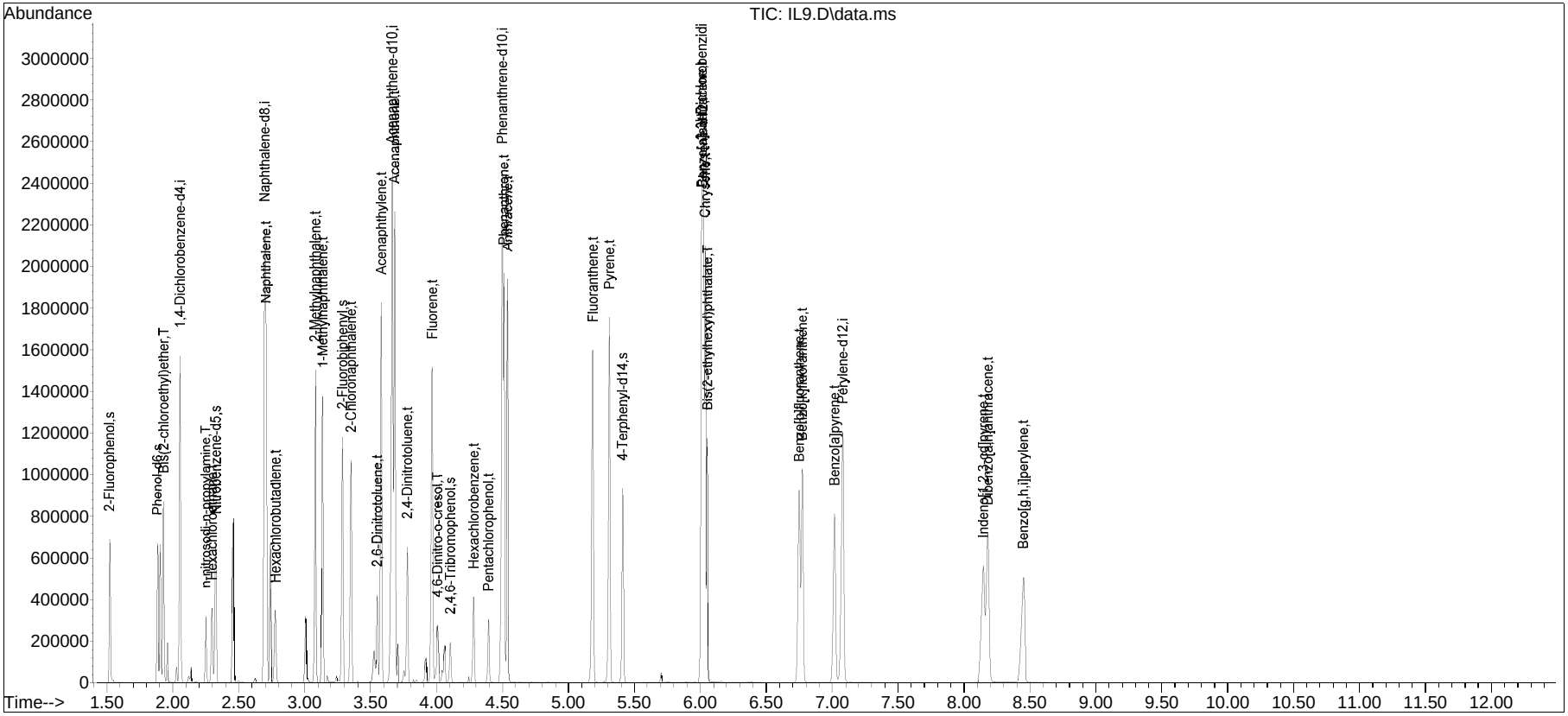
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 11:36:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed05RVTical\IL8.D•

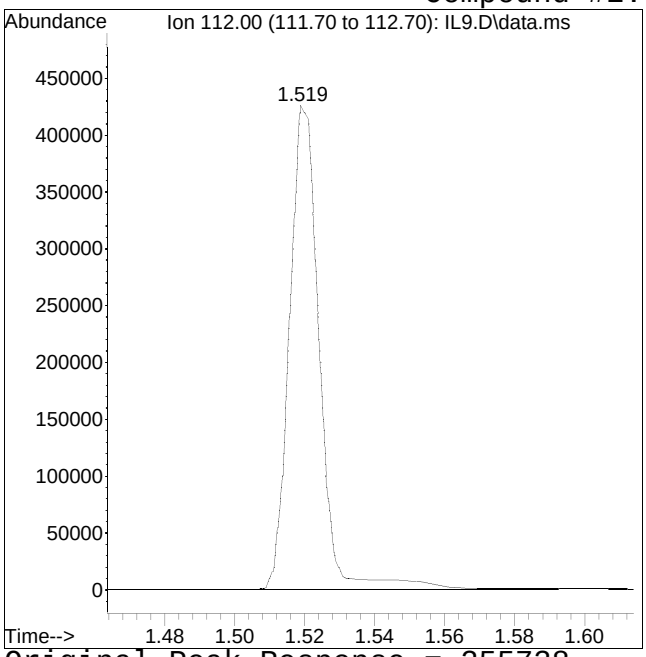


Manual Integration Report

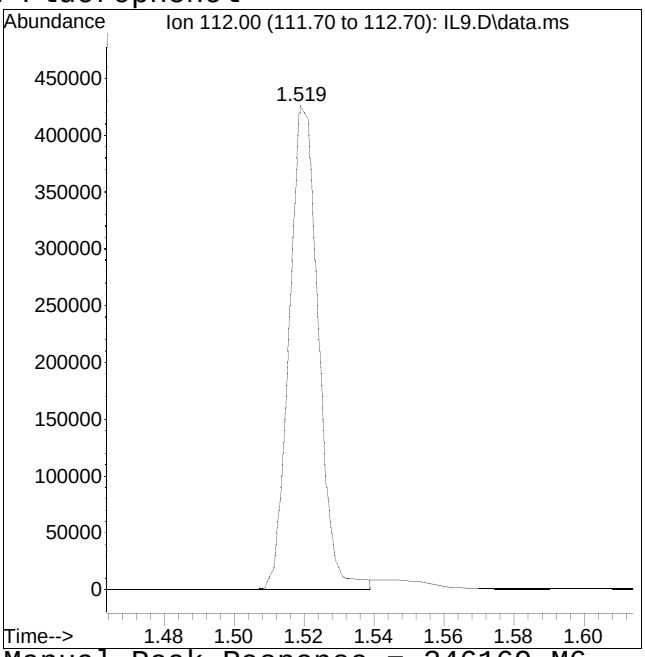
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL9.D
Date Inj'd : 11/5/2024 7:47 am
Sample : IL9,32,,2500.0ng/mL lot# 1

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #2: 2-Fluorophenol



Original Peak Response = 255738



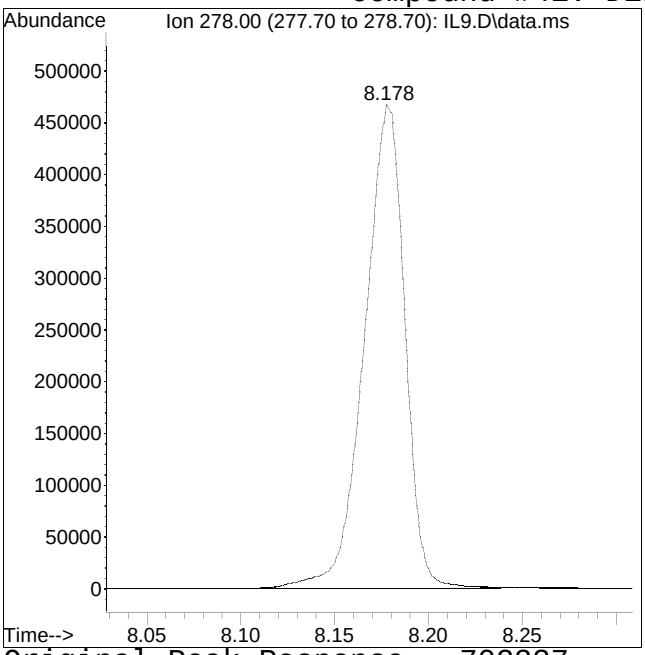
Manual Peak Response = 246169 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

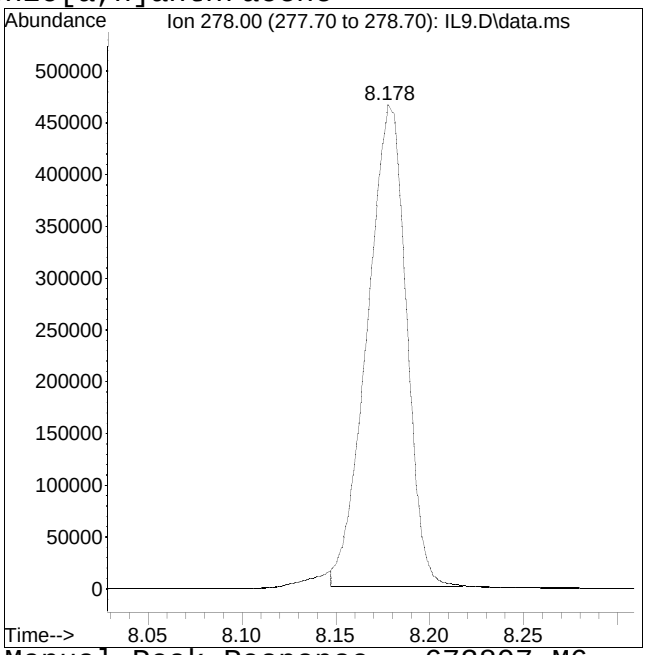
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 7:47 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 702337



Manual Peak Response = 673807 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 11:36:10 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.052	152	269340	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 100.00%			
8) Naphthalene-d8	2.695	136	1055011	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 100.00%			
17) Acenaphthene-d10	3.660	164	611711	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 100.00%			
22) Phenanthrene-d10	4.495	188	1165771	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 100.00%			
31) Chrysene-d12	6.016	240	980774	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 100.00%			
36) Perylene-d12	7.073	264	961303	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.504	112	77818	981.707	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.09%			
3) Phenol-d6	1.877	99	96758	993.273	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.66%			
7) Nitrobenzene-d5	2.323	82	86146	1001.730	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.17%			
13) 2-Fluorobiphenyl	3.287	172	196270	923.000	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.30%			
21) 2,4,6-Tribromophenol	4.100	330	25476	1046.204	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.31%			
30) 4-Terphenyl-d14	5.411	244	202243	954.087	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.70%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	79799	962.373	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	58624	997.842	ng/ml	100
6) Hexachloroethane	2.296	117	34869	988.882	ng/ml	100
9) Naphthalene	2.705	128	249684	946.740	ng/ml	100
10) Hexachlorobutadiene	2.776	225	48067	961.875	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	175282	957.325	ng/ml	100
12) 1-Methylnaphthalene	3.135	142	159811	948.930	ng/ml	100
14) 2-Chloronaphthalene	3.348	162	169913	934.836	ng/ml	100
15) 2,6-Dinitrotoluene	3.549	165	40107	974.888	ng/ml	100
16) Acenaphthylene	3.577	152	257571	982.891	ng/ml	100
18) Acenaphthene	3.677	153	173798	941.282	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 11:36:10 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.774	165	53871	1047.903	ng/ml	100
20) Fluorene	3.966	166	193639	969.220	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.001	198	32247	936.701	ng/ml	100
24) Hexachlorobenzene	4.281	284	58783	954.607	ng/ml	100
25) Pentachlorophenol	4.395	266	33017	978.234	ng/ml	100
26) Phenanthrene	4.507	178	278182	1001.351	ng/ml	100
27) Anthracene	4.535	178	283176	985.219	ng/ml	100
28) Fluoranthene	5.182	202	304329	951.114	ng/ml	100
29) Pyrene	5.308	202	314599	953.498	ng/ml	100
32) Benzo[a]anthracene	6.009	228	295783	981.645	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.002	252	108700	1025.312	ng/ml	100
34) Chrysene	6.031	228	278990	1074.483	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	176261	1015.592	ng/ml	100
37) Benzo[b]fluoranthene	6.744	252	280583	961.920	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	271213	1034.279	ng/ml	100
39) Benzo[a]pyrene	7.009	252	245722	1028.474	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.132	276	248243	1016.121	ng/ml	100
41) Dibenzo[a,h]anthracene	8.168	278	231405M6	1008.259	ng/ml	
42) Benzo[g,h,i]perylene	8.433	276	238001	1003.138	ng/ml	100

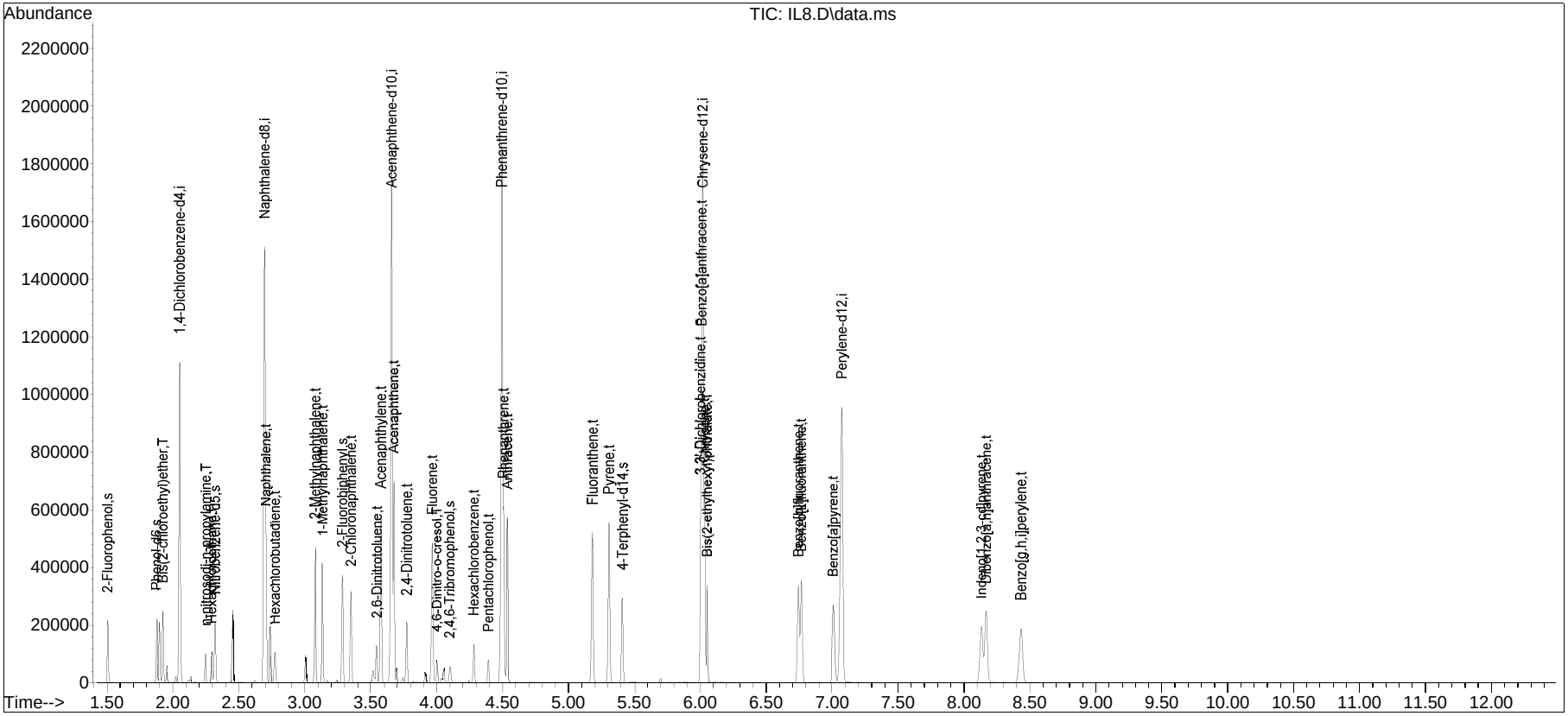
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 11:36:10 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

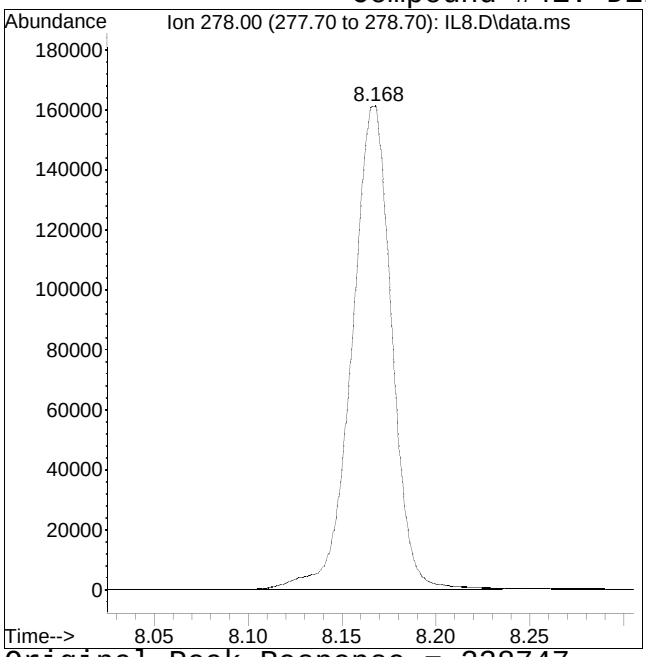
Sub List : Default - All compounds listed05RVTical\IL8.D•



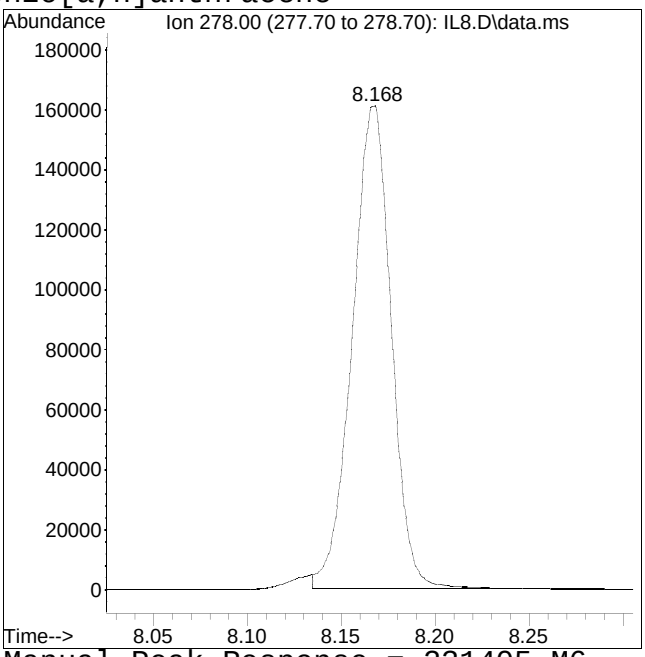
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL8.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:03 am Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 238747



Manual Peak Response = 231405 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 11:36:06 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	269306	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 99.99%			
8) Naphthalene-d8	2.692	136	1036968	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 98.29%			
17) Acenaphthene-d10	3.659	164	611621	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 99.99%			
22) Phenanthrene-d10	4.493	188	1162862	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 99.75%			
31) Chrysene-d12	6.016	240	972352	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 99.14%			
36) Perylene-d12	7.073	264	935019	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 97.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	40075	505.627	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.28%			
3) Phenol-d6	1.878	99	47785	490.601	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.53%			
7) Nitrobenzene-d5	2.323	82	42567	495.044	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.50%			
13) 2-Fluorobiphenyl	3.284	172	100815	482.353	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.24%			
21) 2,4,6-Tribromophenol	4.100	330	12687	521.084	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.05%			
30) 4-Terphenyl-d14	5.410	244	102580	485.135	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 24.26%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.925	93	40304	478.567	ng/ml	99
5) n-nitrosodi-n-propylamine	2.247	70	28674	488.123	ng/ml	100
6) Hexachloroethane	2.297	117	17421	494.120	ng/ml	100
9) Naphthalene	2.702	128	124425	479.998	ng/ml	100
10) Hexachlorobutadiene	2.776	225	24037	489.377	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	88469	491.592	ng/ml	100
12) 1-Methylnaphthalene	3.132	142	80740	487.762	ng/ml	99
14) 2-Chloronaphthalene	3.345	162	85754	480.015	ng/ml	100
15) 2,6-Dinitrotoluene	3.547	165	19400	479.764	ng/ml	98
16) Acenaphthylene	3.575	152	129616	503.221	ng/ml	100
18) Acenaphthene	3.675	153	87238	472.546	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 11:36:06 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.773	165	25788	501.704	ng/ml	97
20) Fluorene	3.962	166	97290	487.037	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.001	198	14756	441.432	ng/ml	99
24) Hexachlorobenzene	4.279	284	29908	486.906	ng/ml	100
25) Pentachlorophenol	4.393	266	13733	421.222	ng/ml	99
26) Phenanthrene	4.505	178	141398	510.253	ng/ml	99
27) Anthracene	4.533	178	141714	494.282	ng/ml	100
28) Fluoranthene	5.181	202	154479	483.998	ng/ml	99
29) Pyrene	5.308	202	159784	485.491	ng/ml	100
32) Benzo[a]anthracene	6.009	228	153737	510.034	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.002	252	51932	494.091	ng/ml#	99
34) Chrysene	6.031	228	137137	532.735	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	81433	473.270	ng/ml	100
37) Benzo[b]fluoranthene	6.743	252	141382	498.324	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	134609	527.766	ng/ml	100
39) Benzo[a]pyrene	7.009	252	121410	522.449	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.131	276	123778	520.897	ng/ml	99
41) Dibenzo[a,h]anthracene	8.165	278	115896M6	519.168	ng/ml	
42) Benzo[g,h,i]perylene	8.430	276	117709	510.072	ng/ml	100

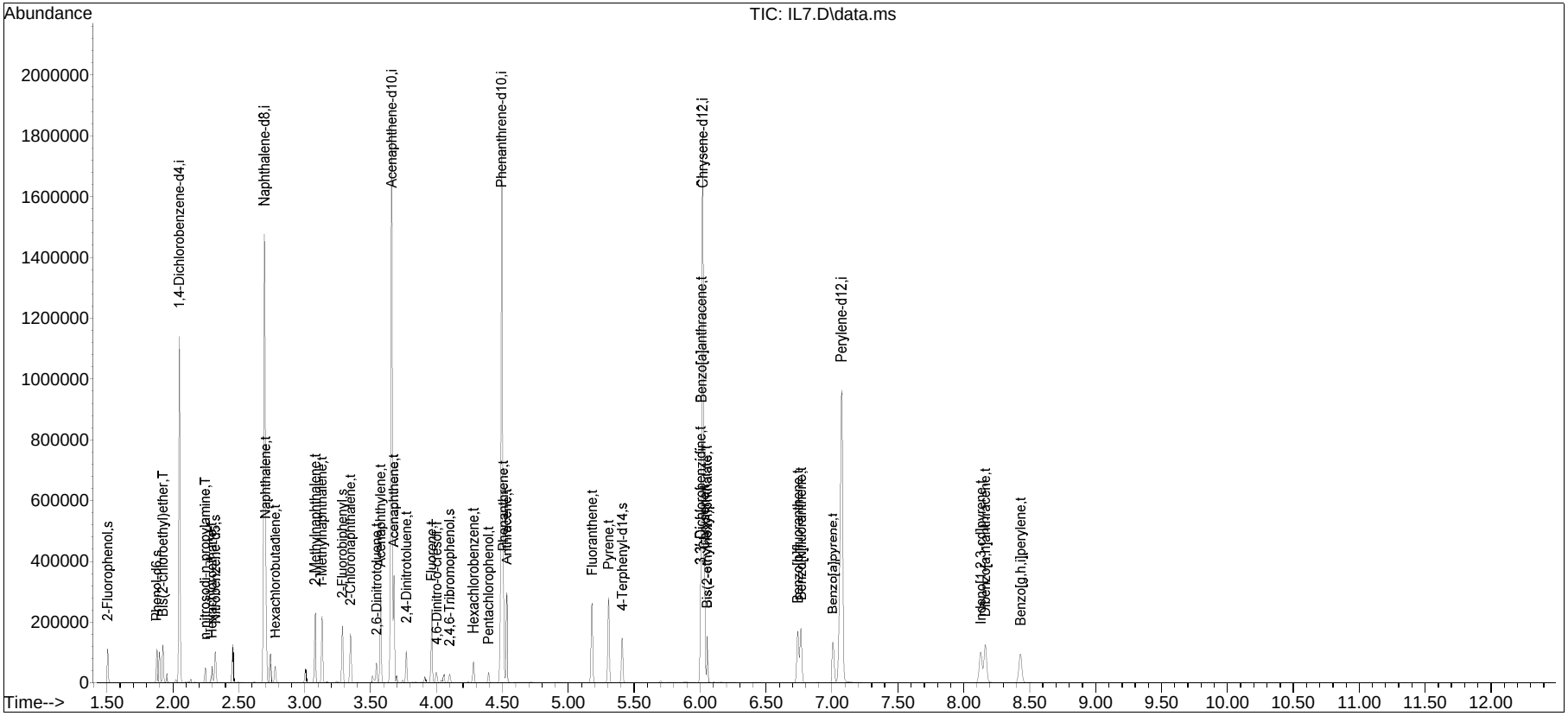
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 11:36:06 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

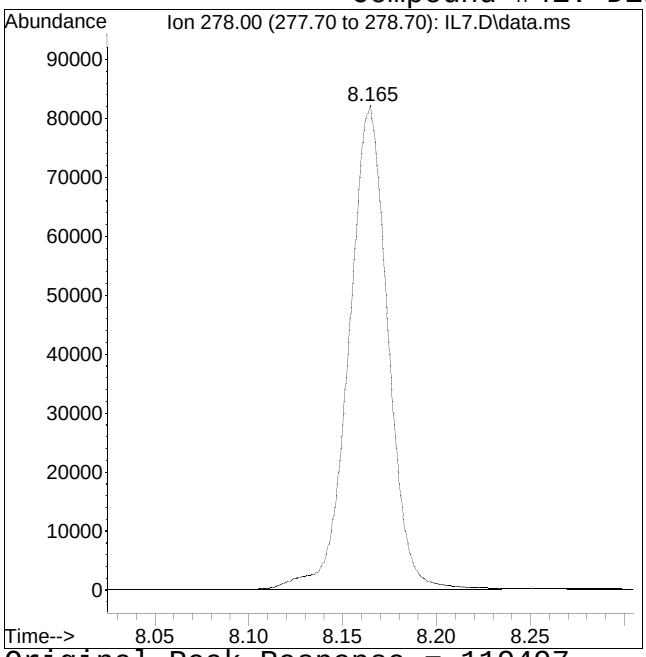
Sub List : Default - All compounds listed05RVTical\IL8.D•



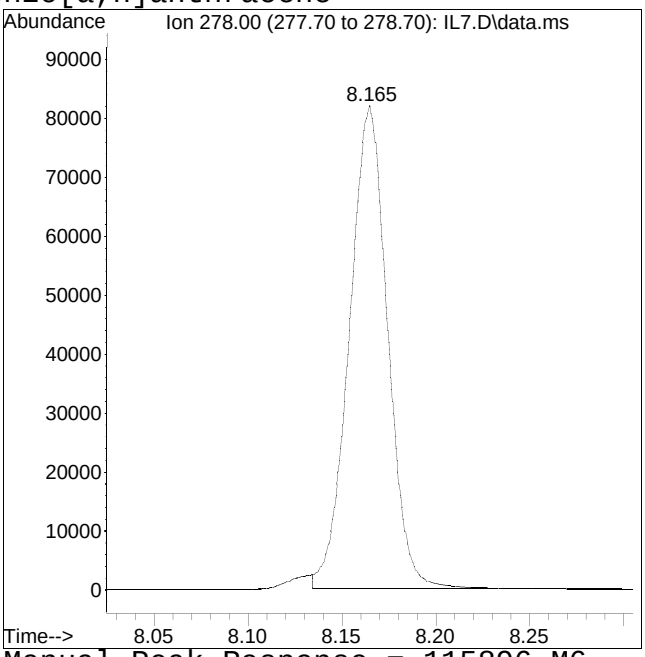
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL7.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:19 am Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 10Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 119497



Manual Peak Response = 115896 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 11:35:45 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	224921	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 83.51%			
8) Naphthalene-d8	2.692	136	882674	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 83.66%			
17) Acenaphthene-d10	3.658	164	526331	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 86.04%			
22) Phenanthrene-d10	4.492	188	1040055	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 89.22%			
31) Chrysene-d12	6.016	240	955833	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 97.46%			
36) Perylene-d12	7.071	264	945247	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 98.33%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.496	112	7953	120.144	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.01%#			
3) Phenol-d6	1.875	99	9578	117.741	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.89%#			
7) Nitrobenzene-d5	2.323	82	8618	120.003	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.00%#			
13) 2-Fluorobiphenyl	3.287	172	21551	121.136	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.11%#			
21) 2,4,6-Tribromophenol	4.100	330	2535	120.990	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.05%#			
30) 4-Terphenyl-d14	5.411	244	23313	123.274	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 6.16%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	11354	157.989	ng/ml#	75
5) n-nitrosodi-n-propylamine	2.246	70	5774	117.688	ng/ml	99
6) Hexachloroethane	2.296	117	3539	120.187	ng/ml	99
9) Naphthalene	2.701	128	25879	117.285	ng/ml	100
10) Hexachlorobutadiene	2.776	225	4914	117.534	ng/ml	99
11) 2-Methylnaphthalene	3.080	142	18059	117.889	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	16817	119.353	ng/ml	99
14) 2-Chloronaphthalene	3.345	162	18066	118.803	ng/ml	100
15) 2,6-Dinitrotoluene	3.546	165	3756	109.123	ng/ml	92
16) Acenaphthylene	3.577	152	26259	119.769	ng/ml	100
18) Acenaphthene	3.674	153	18621	117.210	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 11:35:45 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	4835	109.307	ng/ml	90
20) Fluorene	3.962	166	20594	119.800	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.001	198	2580	103.733	ng/ml	96
24) Hexachlorobenzene	4.279	284	6518	118.644	ng/ml	99
25) Pentachlorophenol	4.393	266	2141	80.192	ng/ml	100
26) Phenanthrene	4.504	178	31343	126.460	ng/ml	95
27) Anthracene	4.533	178	30650	119.526	ng/ml	100
28) Fluoranthene	5.182	202	33908	118.781	ng/ml	100
29) Pyrene	5.308	202	35315	119.972	ng/ml	100
32) Benzo[a]anthracene	6.007	228	36408	115.522	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.002	252	11436	110.685	ng/ml	99
34) Chrysene	6.028	228	33809	133.607	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	17264	102.068	ng/ml	99
37) Benzo[b]fluoranthene	6.741	252	32611	113.699	ng/ml	99
38) Benzo[k]fluoranthene	6.763	252	31925	123.815	ng/ml	100
39) Benzo[a]pyrene	7.006	252	27989	119.138	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.126	276	28483	118.568	ng/ml	99
41) Dibenzo[a,h]anthracene	8.163	278	28301M6	125.405	ng/ml	
42) Benzo[g,h,i]perylene	8.425	276	28272	121.186	ng/ml	100

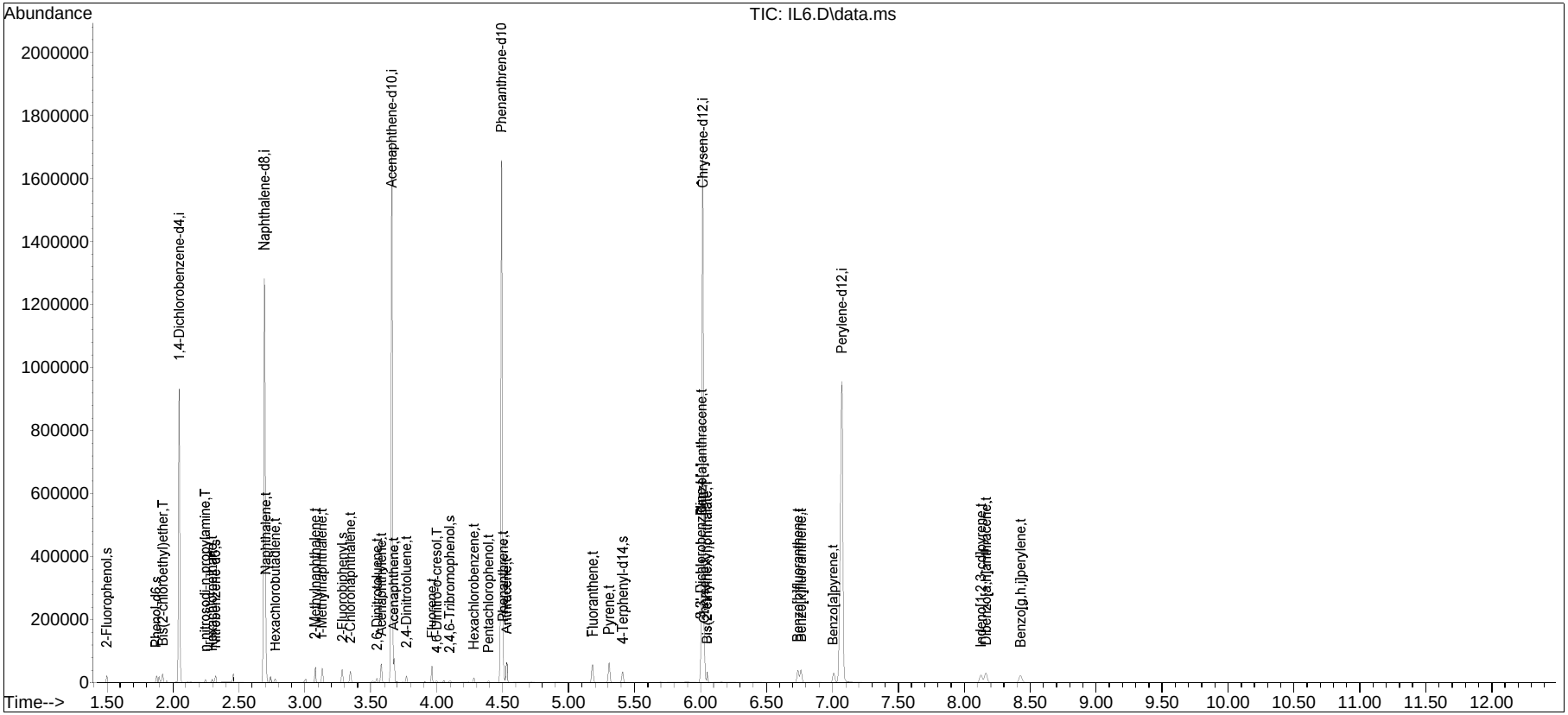
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 11:35:45 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

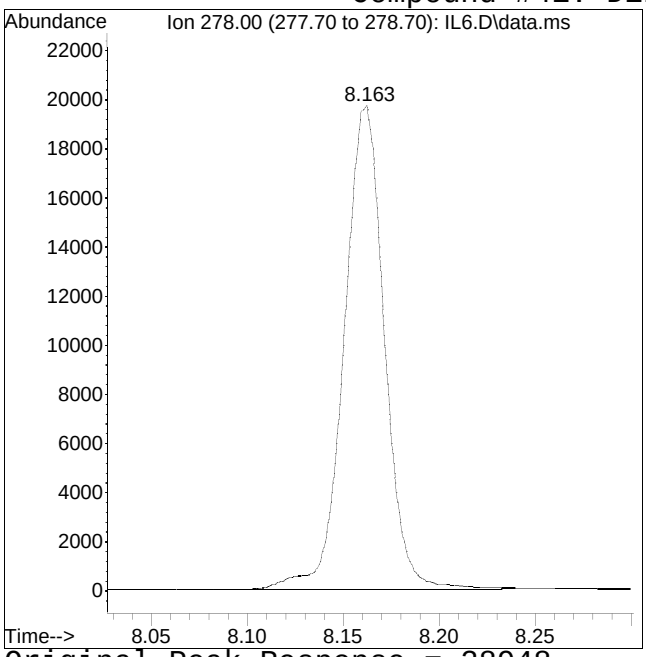
Sub List : Default - All compounds listed05RVTical\IL8.D•



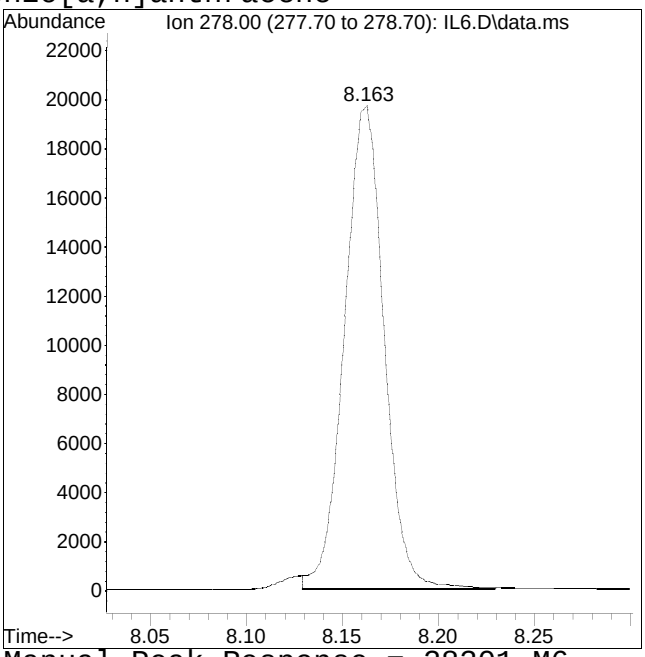
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:36 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 10Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 28948



Manual Peak Response = 28301 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 11:35:41 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.047	152	227773	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 84.57%			
8) Naphthalene-d8	2.691	136	889425	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 84.30%			
17) Acenaphthene-d10	3.658	164	533237	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 87.17%			
22) Phenanthrene-d10	4.494	188	1055271	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 90.52%			
31) Chrysene-d12	6.016	240	977784	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 99.70%			
36) Perylene-d12	7.072	264	949887	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 98.81%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.496	112	2620	39.084	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.95%#			
3) Phenol-d6	1.875	99	3112	37.776	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.89%#			
7) Nitrobenzene-d5	2.322	82	2787	38.322	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.83%#			
13) 2-Fluorobiphenyl	3.286	172	7085	39.522	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.95%#			
21) 2,4,6-Tribromophenol	4.102	330	781	36.793	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.84%#			
30) 4-Terphenyl-d14	5.407	244	7660	39.920	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 2.00%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	2753	35.271	ng/ml	99
5) n-nitrosodi-n-propylamine	2.249	70	1859	37.417	ng/ml	99
6) Hexachloroethane	2.295	117	1142	38.297	ng/ml	99
9) Naphthalene	2.701	128	8513	38.289	ng/ml	99
10) Hexachlorobutadiene	2.778	225	1629	38.667	ng/ml	99
11) 2-Methylnaphthalene	3.079	142	5871	38.035	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	5467	38.506	ng/ml	99
14) 2-Chloronaphthalene	3.344	162	5934	38.726	ng/ml	100
15) 2,6-Dinitrotoluene	3.544	165	1157M4	33.359	ng/ml	
16) Acenaphthylene	3.575	152	8342	37.760	ng/ml	100
18) Acenaphthene	3.675	153	6147	38.191	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 11:35:41 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	1366	30.482	ng/ml#	82
20) Fluorene	3.964	166	6695	38.442	ng/ml	99
23) 4,6-Dinitro-o-cresol	3.999	198	719	44.213	ng/ml	96
24) Hexachlorobenzene	4.280	284	2142	38.427	ng/ml	99
25) Pentachlorophenol	4.394	266	917	37.925	ng/ml	98
26) Phenanthrene	4.506	178	9958M6	39.598	ng/ml	
27) Anthracene	4.534	178	9838	37.812	ng/ml	100
28) Fluoranthene	5.181	202	10954	37.819	ng/ml	99
29) Pyrene	5.307	202	11305	37.851	ng/ml	100
32) Benzo[a]anthracene	6.009	228	13918	37.105	ng/ml	96
33) 3,3'-Dichlorobenzidine	6.001	252	3377	31.951	ng/ml#	74
34) Chrysene	6.028	228	10403	40.188	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	6.050	149	5280	30.516	ng/ml	100
37) Benzo[b]fluoranthene	6.740	252	11042	38.310	ng/ml	99
38) Benzo[k]fluoranthene	6.761	252	9020	34.811	ng/ml	100
39) Benzo[a]pyrene	7.008	252	8522	36.098	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.128	276	8839	36.615	ng/ml	100
41) Dibenzo[a,h]anthracene	8.161	278	8665M6	38.208	ng/ml	
42) Benzo[g,h,i]perylene	8.427	276	8847	37.737	ng/ml	100

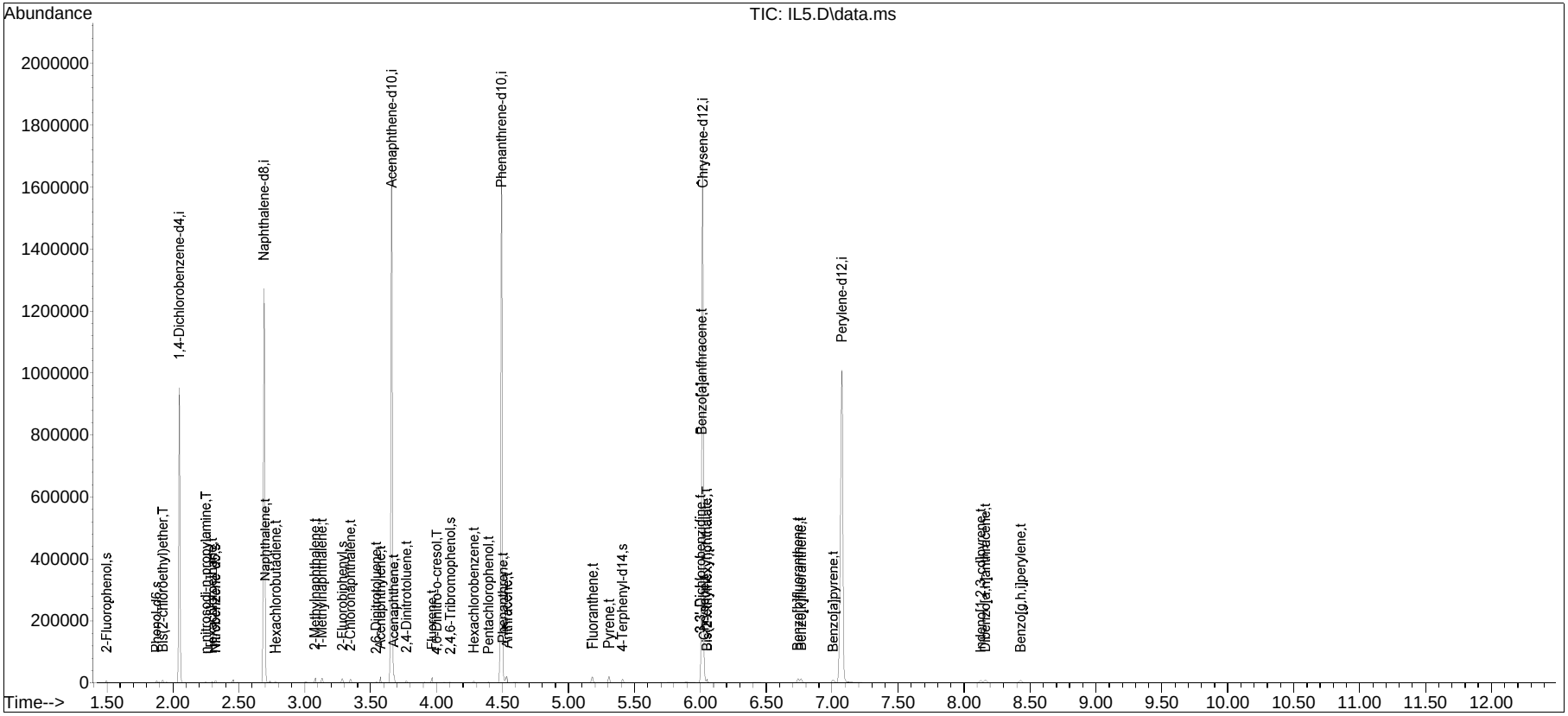
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 11:35:41 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

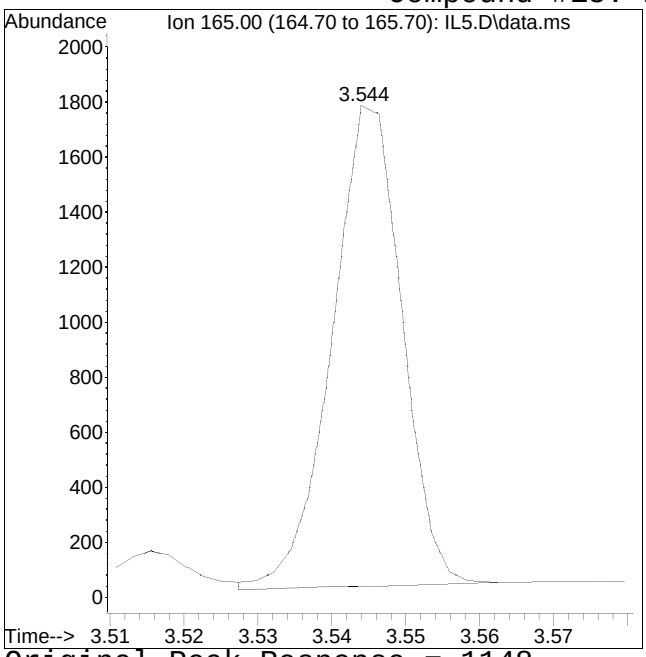
Sub List : Default - All compounds listed05RVTical\IL8.D•



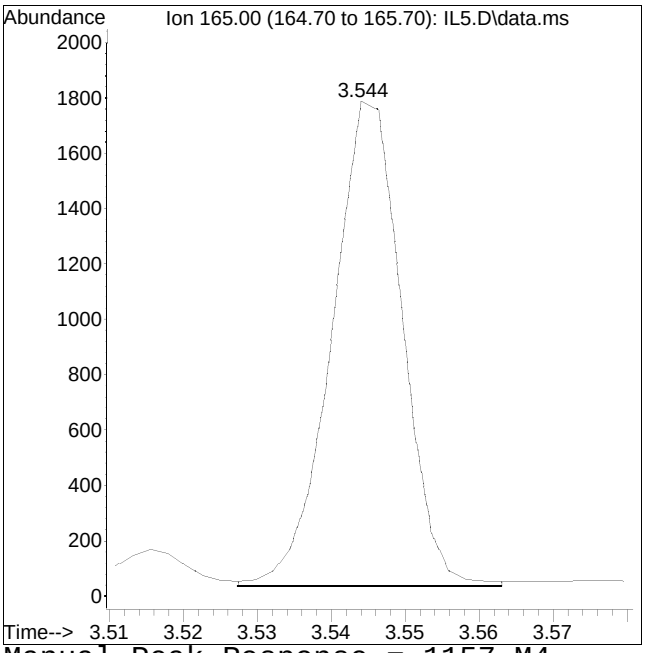
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:52 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 12/2/2024 11:37 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 1148



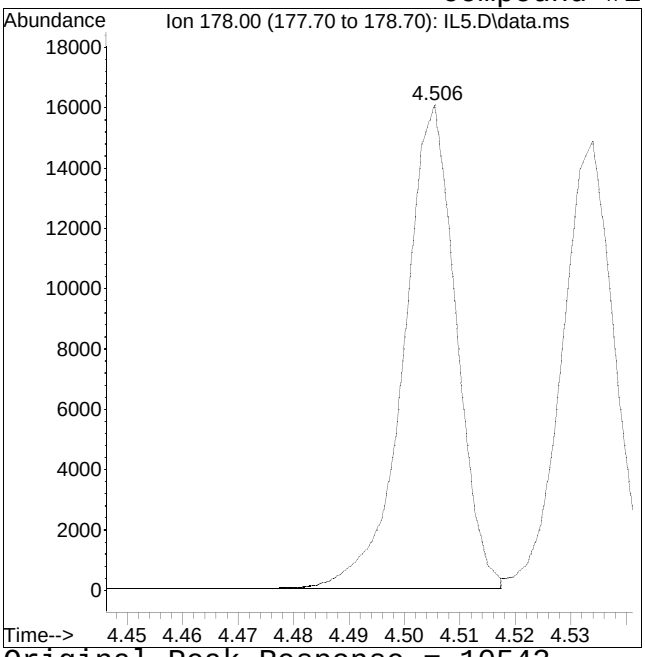
Manual Peak Response = 1157 M4

M4 = Poor automated baseline construction.

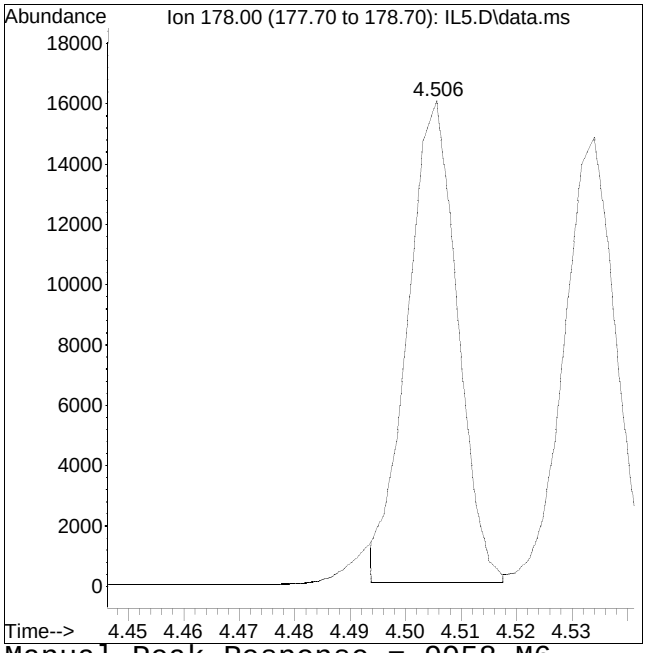
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL5.D
Date Inj'd : 11/5/2024 8:52 am
Sample : IL5,32,,40.0ng/mL lot# 108
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #26: Phenanthrene



Original Peak Response = 10543



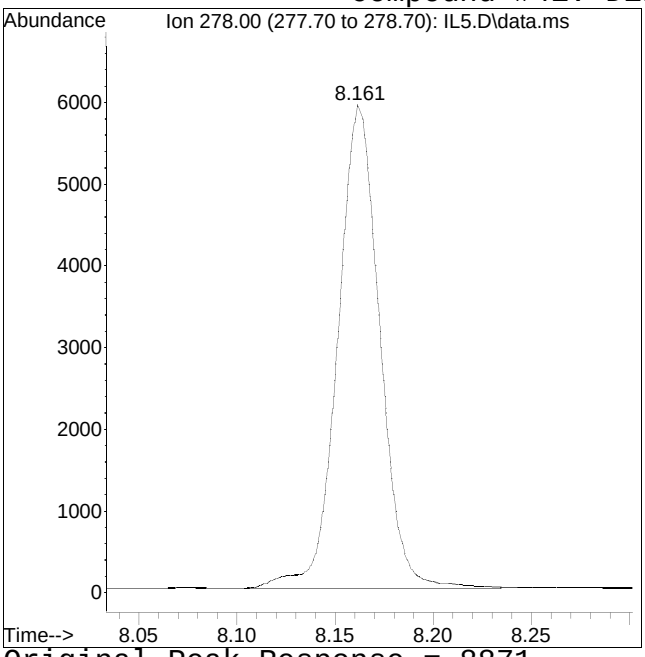
Manual Peak Response = 9958 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

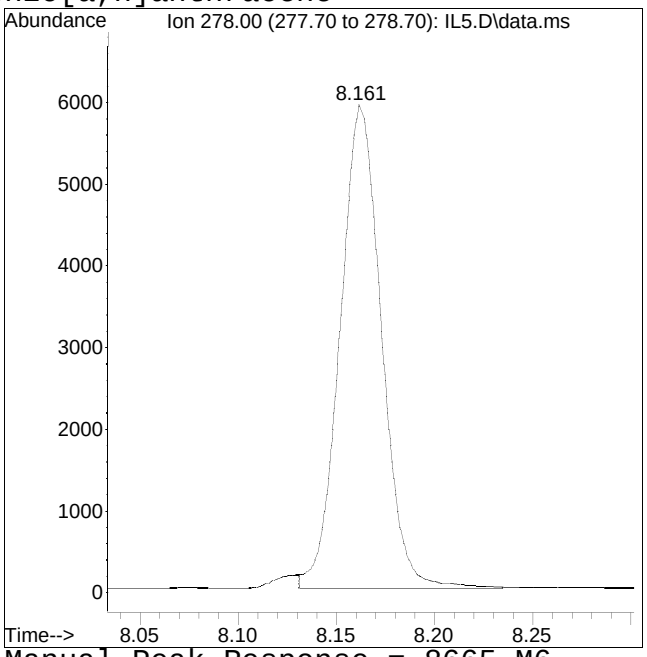
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:52 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 8871



Manual Peak Response = 8665 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 11:44:40 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	266082	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 98.79%			
8) Naphthalene-d8	2.692	136	1032752	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 97.89%			
17) Acenaphthene-d10	3.658	164	613551	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 100.30%			
22) Phenanthrene-d10	4.494	188	1201426	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 103.06%			
31) Chrysene-d12	6.015	240	1059480	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 108.02%			
36) Perylene-d12	7.071	264	1015071	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 105.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.499	112	777	9.922	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	1.875	99	920	9.560	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
7) Nitrobenzene-d5	2.323	82	811	9.546	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.284	172	2069	9.940	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.99%#			
21) 2,4,6-Tribromophenol	4.099	330	210	8.598	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.43%#			
30) 4-Terphenyl-d14	5.408	244	2153	9.855	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.49%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	785	6.180	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	541	9.321	ng/ml	98
6) Hexachloroethane	2.296	117	336	9.646	ng/ml	99
9) Naphthalene	2.701	128	2514	9.738	ng/ml#	95
10) Hexachlorobutadiene	2.776	225	480	9.812	ng/ml	99
11) 2-Methylnaphthalene	3.080	142	1723	9.613	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	1599	9.699	ng/ml	98
14) 2-Chloronaphthalene	3.345	162	1724	9.690	ng/ml	99
15) 2,6-Dinitrotoluene	3.544	165	373M4	9.262	ng/ml	
16) Acenaphthylene	3.575	152	2388	9.309	ng/ml	100
18) Acenaphthene	3.675	153	1830	9.881	ng/ml	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 11:44:40 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	386	7.486	ng/ml#	85
20) Fluorene	3.965	166	1918	9.571	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.000	198	176	26.521	ng/ml	90
24) Hexachlorobenzene	4.280	284	621	9.785	ng/ml	100
25) Pentachlorophenol	4.394	266	227	13.695	ng/ml	91
26) Phenanthrene	4.506	178	2903M6	10.140	ng/ml	
27) Anthracene	4.534	178	2801	9.456	ng/ml	100
28) Fluoranthene	5.179	202	3088	9.364	ng/ml	99
29) Pyrene	5.308	202	3223	9.478	ng/ml	99
32) Benzo[a]anthracene	6.013	228	6056	9.105	ng/ml#	84
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.027	228	2835	10.107	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	6.047	149	1939	10.342	ng/ml	99
37) Benzo[b]fluoranthene	6.736	252	2826	9.175	ng/ml	100
38) Benzo[k]fluoranthene	6.757	252	2542	9.181	ng/ml	100
39) Benzo[a]pyrene	7.004	252	2244	8.895	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.124	276	2336	9.055	ng/ml	100
41) Dibenzo[a,h]anthracene	8.157	278	2239M6	9.239	ng/ml	
42) Benzo[g,h,i]perylene	8.422	276	2358	9.412	ng/ml	100

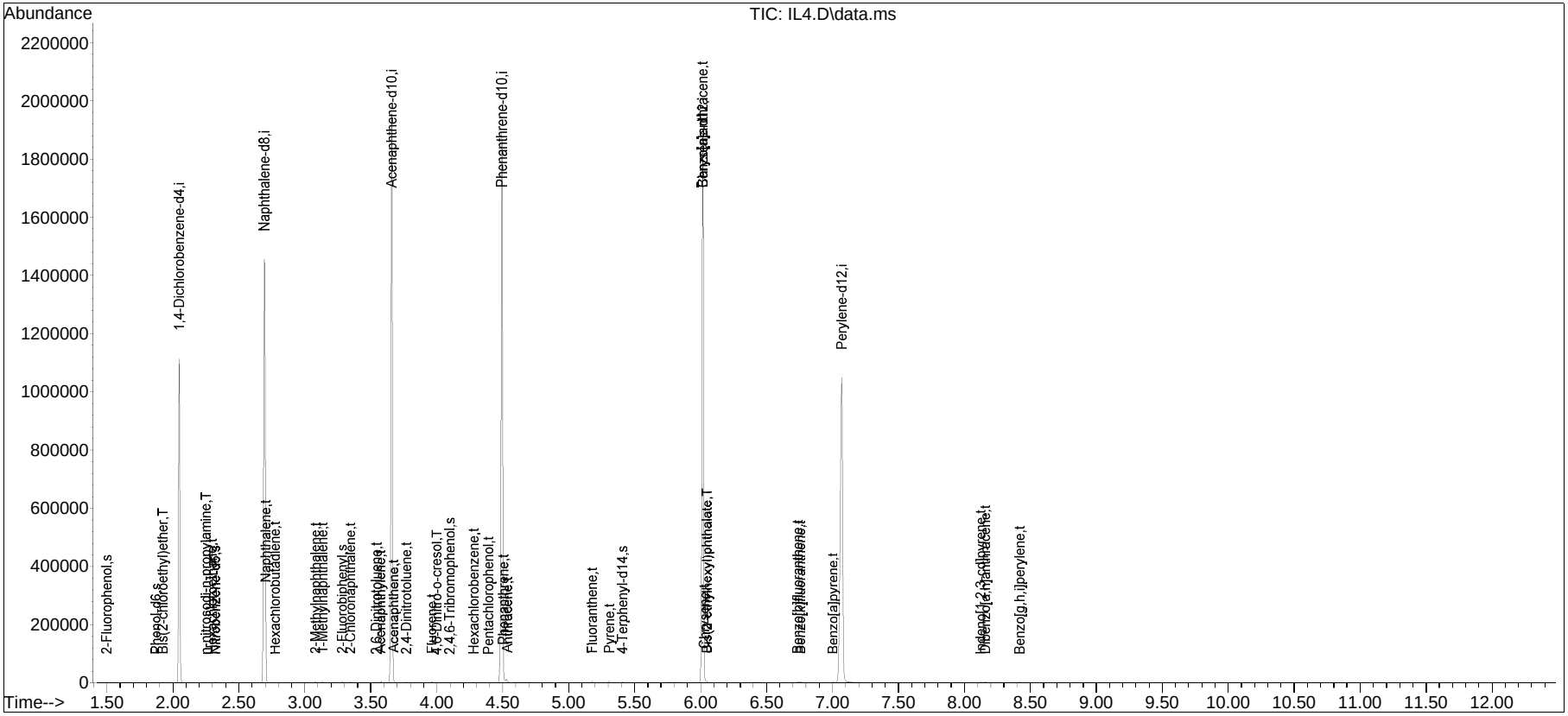
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 11:44:40 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

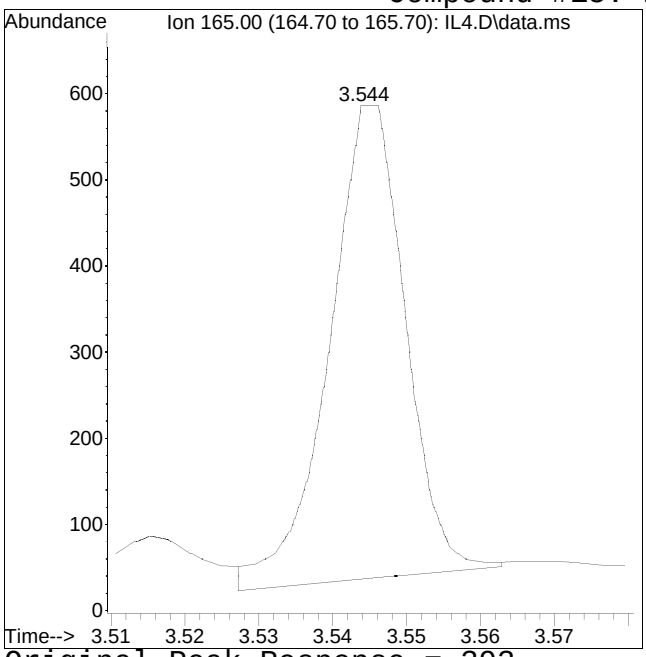
Sub List : Default - All compounds listed05RVTical\IL8.D•

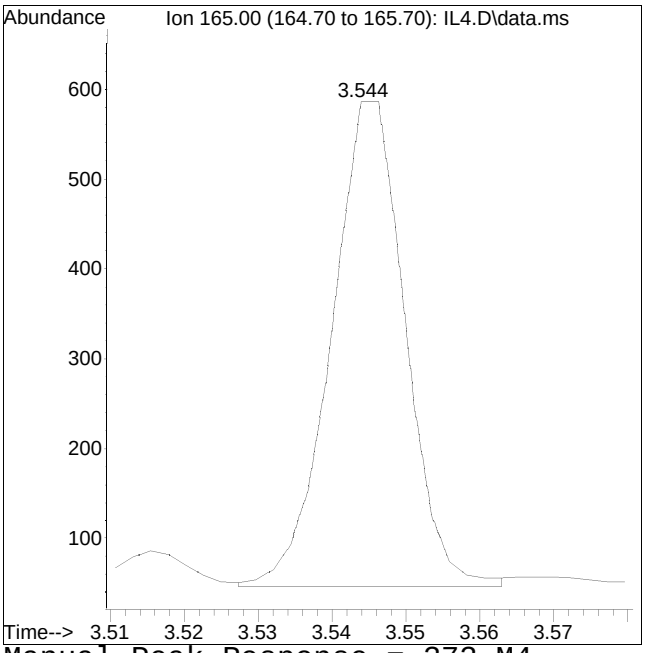


Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:08 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1089Quant Date : 12/2/2024 11:37 am

Compound #15: 2,6-Dinitrotoluene



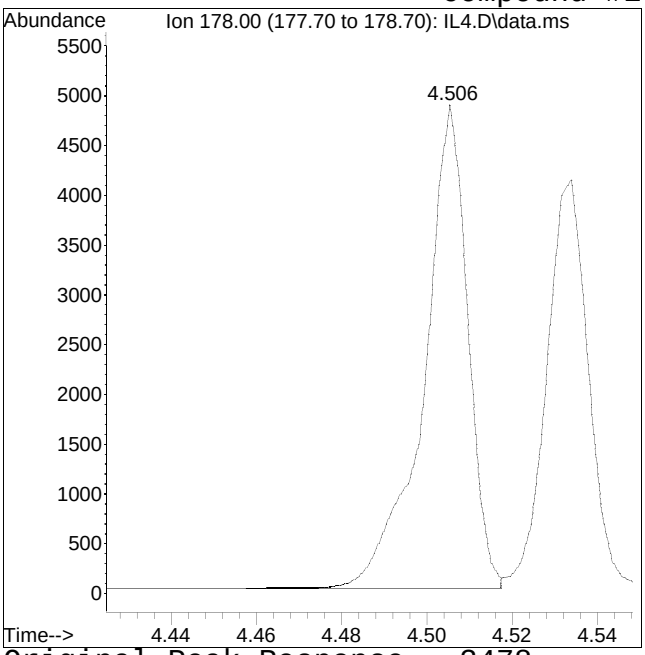


Original Peak Response = 393 Manual Peak Response = 373 M4
M4 = Poor automated baseline construction.

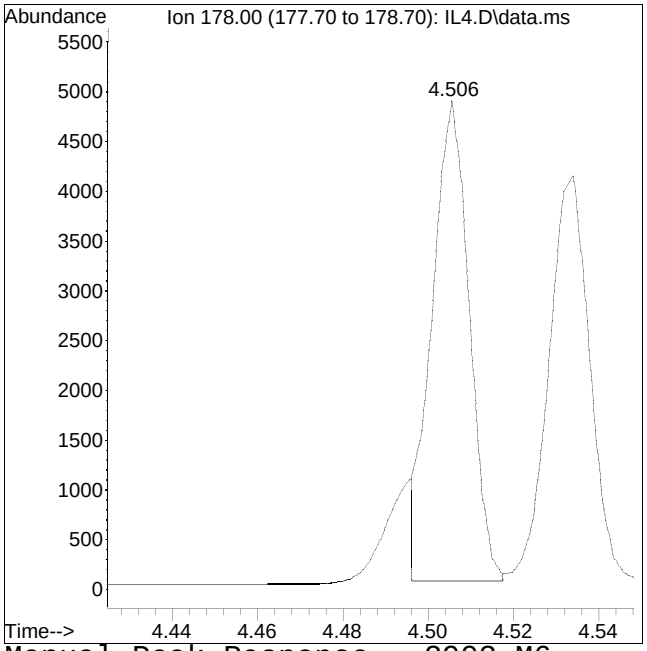
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:08 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1089Quant Date : 12/2/2024 11:37 am

Compound #26: Phenanthrene



Original Peak Response = 3478



Manual Peak Response = 2903 M6

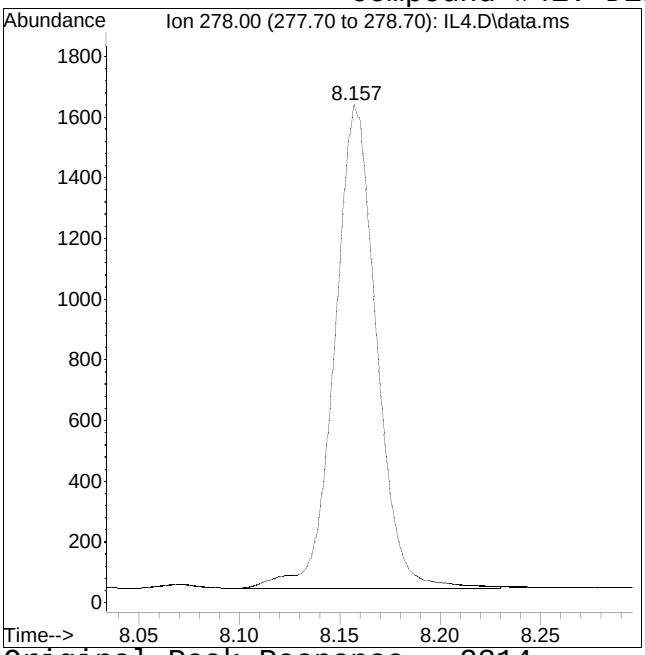
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

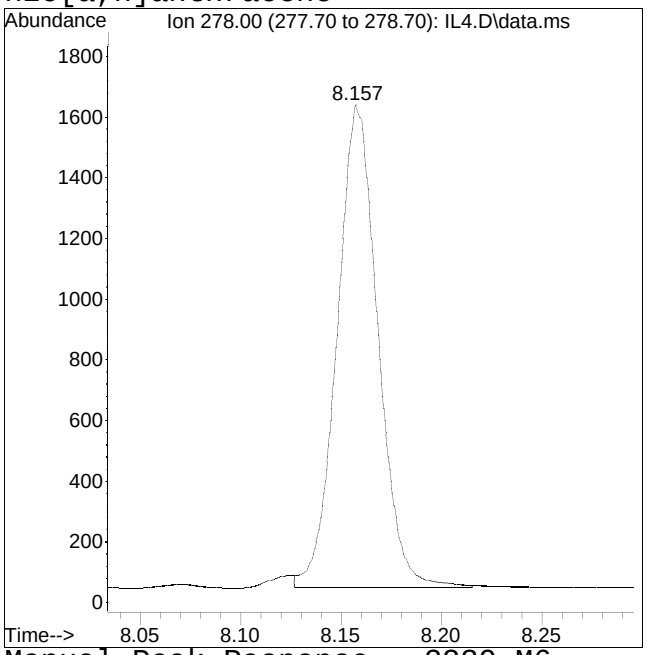
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL4.D
Date Inj'd : 11/5/2024 9:08 am
Sample : IL4,32,,10.0ng/mL lot#1089

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2314



Manual Peak Response = 2239 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 11:44:28 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	277209	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 102.92%			
8) Naphthalene-d8	2.692	136	1070314	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 101.45%			
17) Acenaphthene-d10	3.659	164	639747	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 104.58%			
22) Phenanthrene-d10	4.492	188	1250139	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 107.24%			
31) Chrysene-d12	6.013	240	1105773	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 112.74%			
36) Perylene-d12	7.069	264	1030640	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 107.21%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.504	112	415	5.087	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#			
3) Phenol-d6	1.877	99	474	4.728	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.323	82	428	4.836	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.48%#			
13) 2-Fluorobiphenyl	3.284	172	1100	5.099	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
21) 2,4,6-Tribromophenol	4.101	330	114	4.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.22%#			
30) 4-Terphenyl-d14	5.406	244	1167	5.134	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.26%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.926	93	427	1.694	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	296	4.895	ng/ml	96
6) Hexachloroethane	2.296	117	180	4.960	ng/ml	99
9) Naphthalene	2.701	128	1375	5.139	ng/ml#	90
10) Hexachlorobutadiene	2.776	225	258	5.089	ng/ml	94
11) 2-Methylnaphthalene	3.079	142	934	5.028	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	868	5.080	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	937	5.082	ng/ml	100
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.576	152	1283	4.826	ng/ml	100
18) Acenaphthene	3.673	153	939M6	4.863	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 11:44:28 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.963	166	1019	4.877	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.002	198	86	23.951	ng/ml	89
24) Hexachlorobenzene	4.278	284	338	5.119	ng/ml	99
25) Pentachlorophenol	4.395	266	115	10.237	ng/ml	97
26) Phenanthrene	4.504	178	1401M6	4.703	ng/ml	
27) Anthracene	4.532	178	1524	4.944	ng/ml	100
28) Fluoranthene	5.181	202	1702	4.960	ng/ml	100
29) Pyrene	5.307	202	1759	4.971	ng/ml	99
32) Benzo[a]anthracene	6.010	228	4931M6	4.974	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.025	228	1377M3	4.704	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.047	149	1061	5.422	ng/ml	99
37) Benzo[b]fluoranthene	6.734	252	1525	4.876	ng/ml	100
38) Benzo[k]fluoranthene	6.755	252	1338	4.759	ng/ml	100
39) Benzo[a]pyrene	7.002	252	1177	4.595	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.119	276	1218	4.650	ng/ml	99
41) Dibenzo[a,h]anthracene	8.155	278	1151M6	4.678	ng/ml	
42) Benzo[g,h,i]perylene	8.418	276	1212	4.765	ng/ml	100

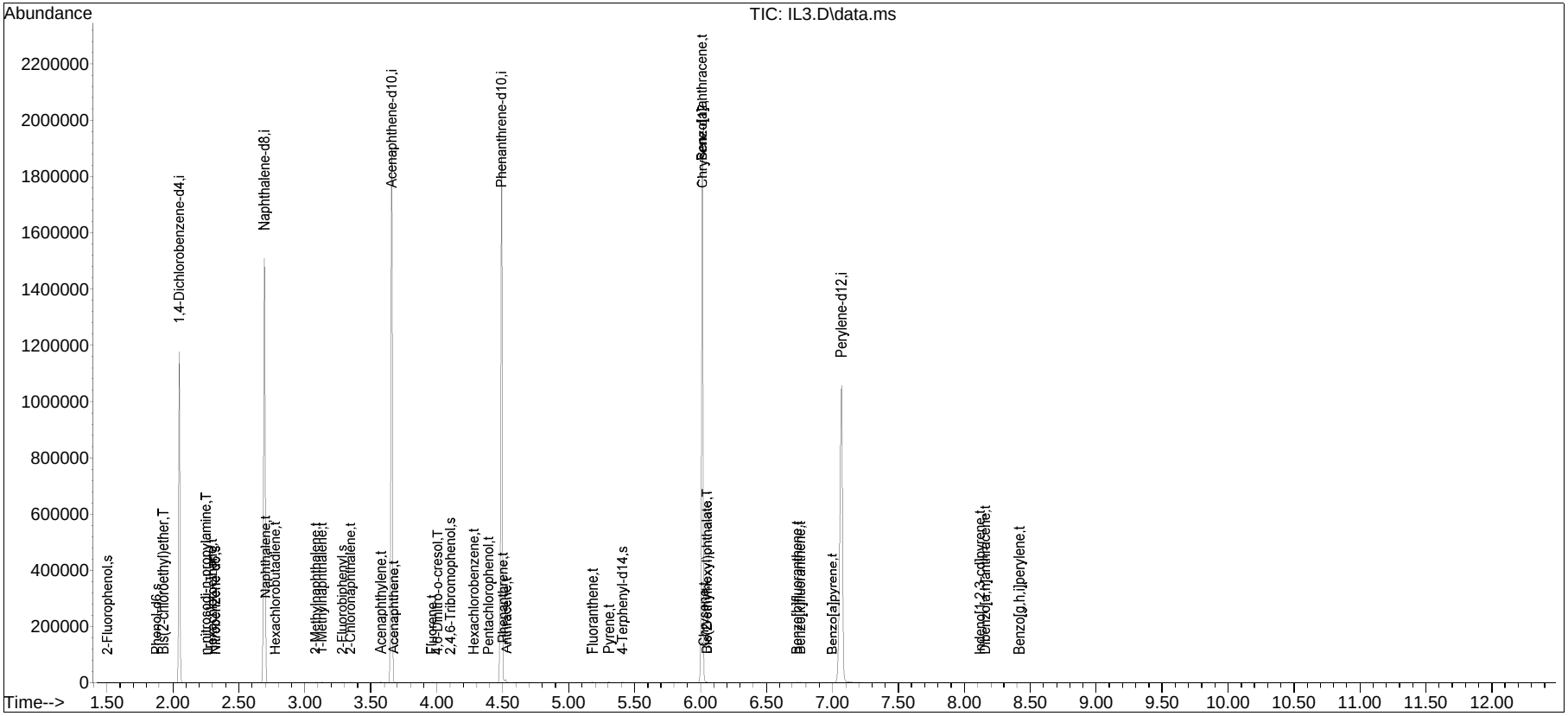
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 11:44:28 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

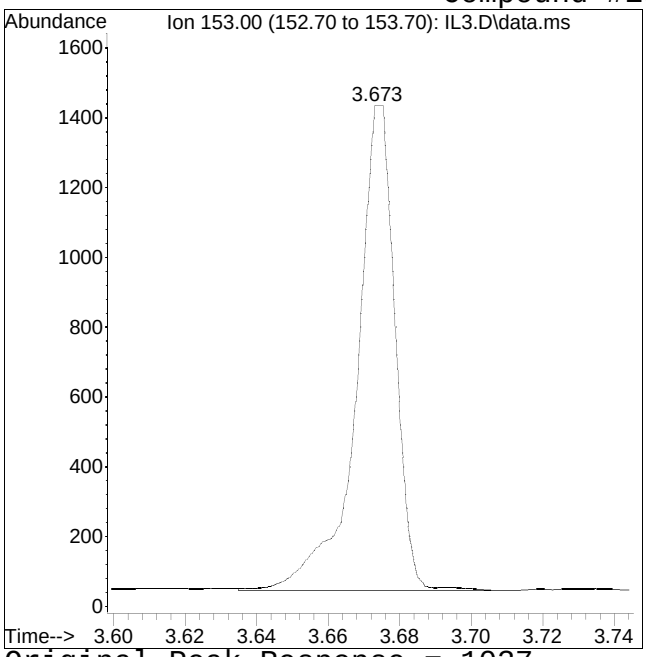
Sub List : Default - All compounds listed05RVTical\IL8.D•



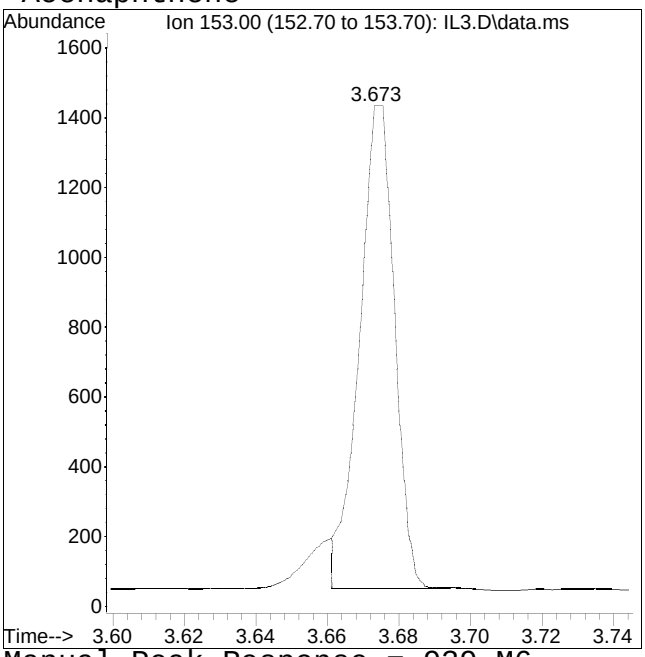
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 1037



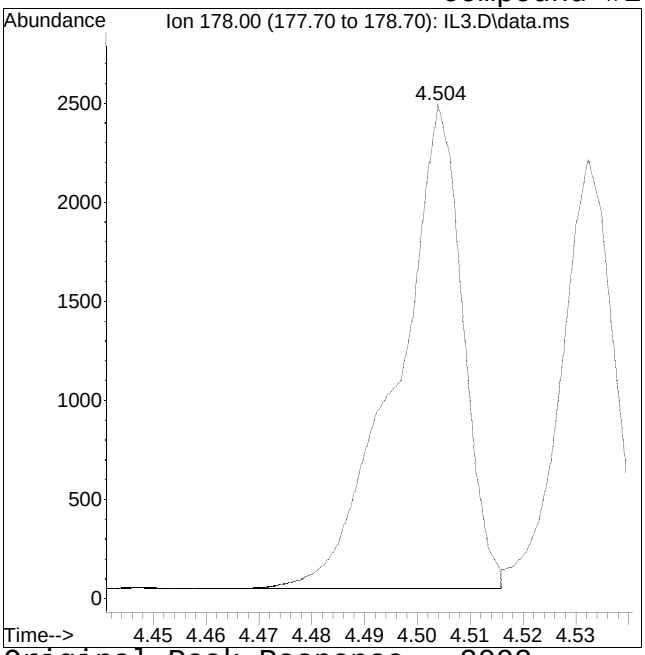
Manual Peak Response = 939 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

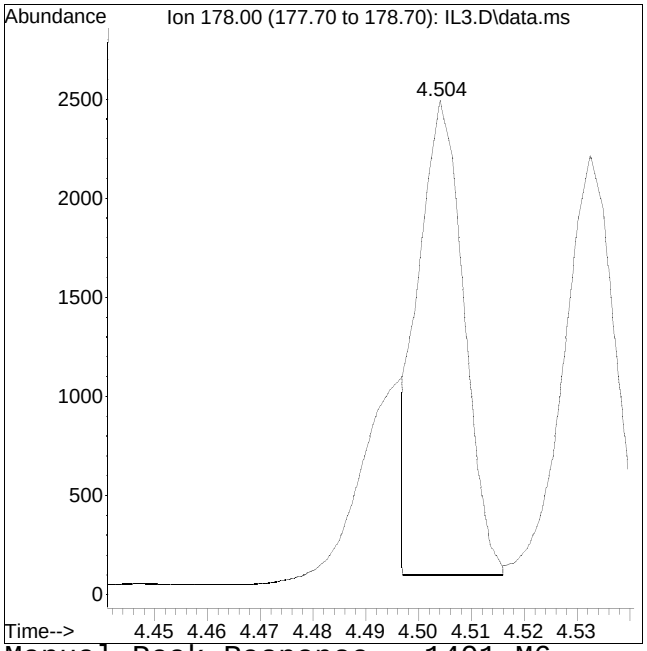
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL3.D
Date Inj'd : 11/5/2024 9:24 am
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #26: Phenanthrene



Original Peak Response = 2092



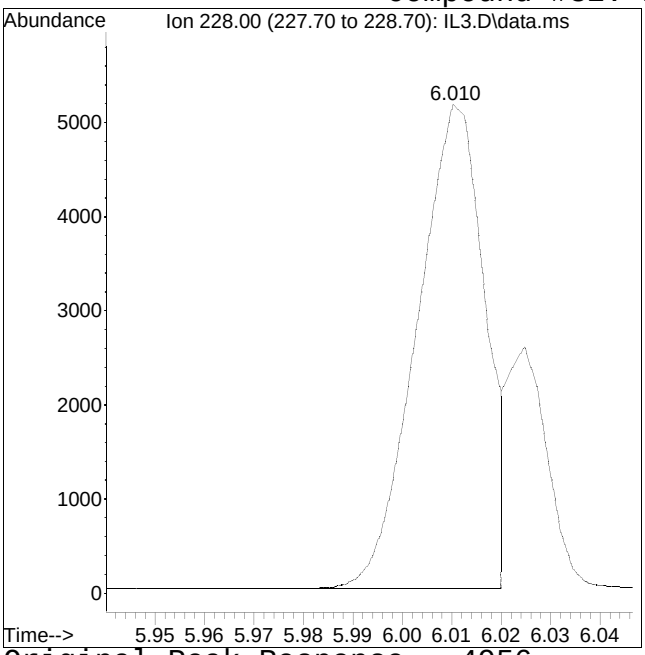
Manual Peak Response = 1401 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

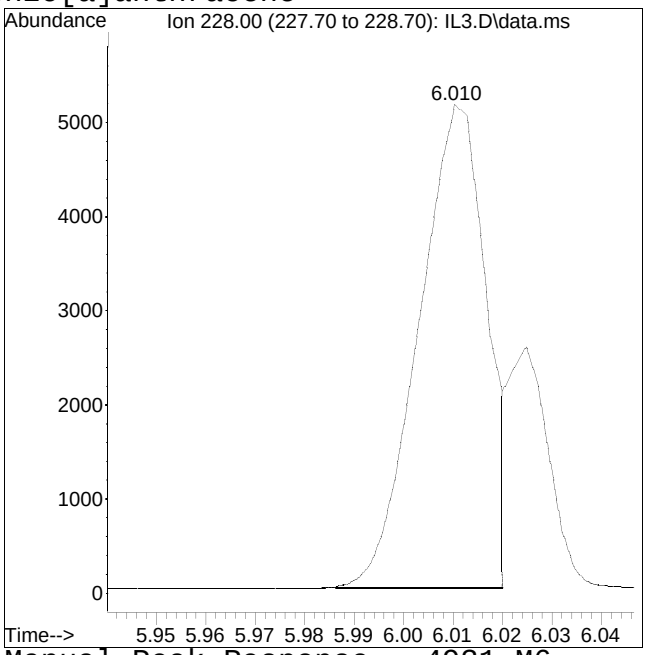
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 4956



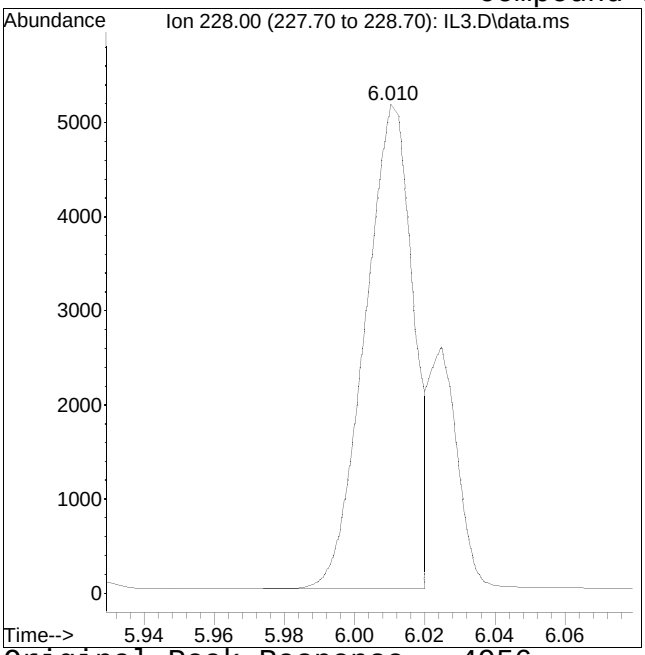
Manual Peak Response = 4931 M6

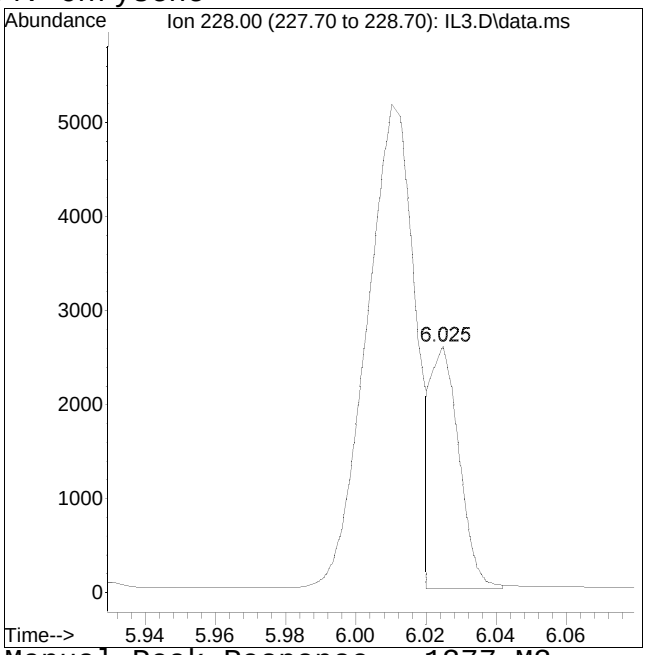
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #34: Chrysene



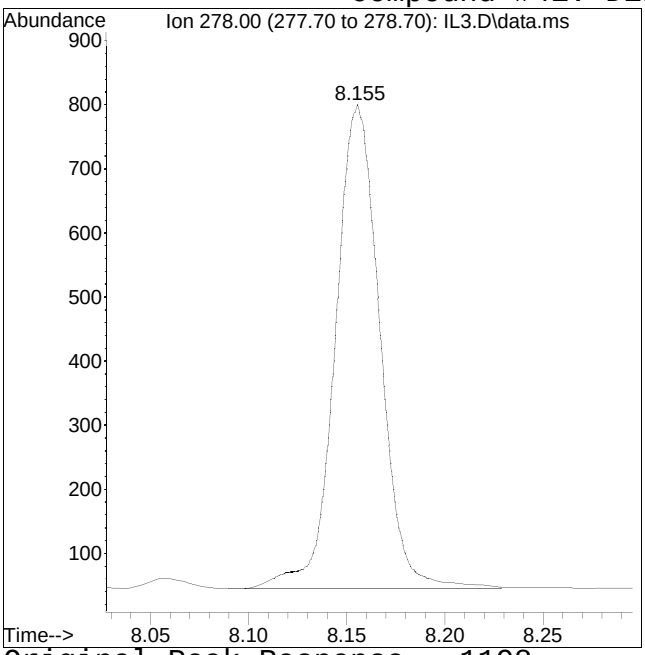


Original Peak Response = 4956 Manual Peak Response = 1377 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

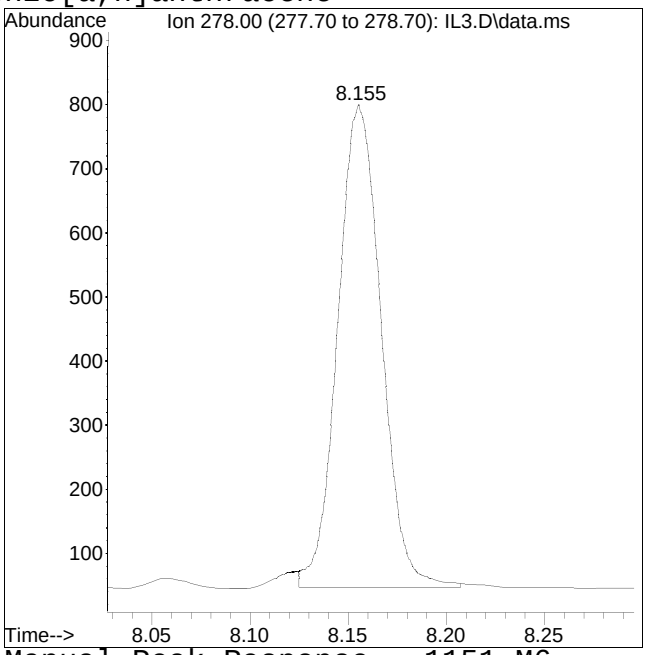
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1198



Manual Peak Response = 1151 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 11:44:20 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	300806	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 111.68%			
8) Naphthalene-d8	2.692	136	1162521	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 110.19%			
17) Acenaphthene-d10	3.657	164	694331	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 113.51%			
22) Phenanthrene-d10	4.494	188	1365605	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 117.14%			
31) Chrysene-d12	6.017	240	1182613	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 120.58%			
36) Perylene-d12	7.074	264	1106733	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 115.13%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	191	2.157	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
3) Phenol-d6	1.877	99	222	2.041	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
7) Nitrobenzene-d5	2.323	82	187	1.947	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
13) 2-Fluorobiphenyl	3.284	172	509	2.172	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
21) 2,4,6-Tribromophenol	4.099	330	52M4	1.881	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
30) 4-Terphenyl-d14	5.409	244	545	2.195	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.920	93	504	2.124	ng/ml#	44
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	2.296	117	92	2.336	ng/ml	96
9) Naphthalene	2.702	128	671	2.309	ng/ml#	79
10) Hexachlorobutadiene	2.776	225	119	2.161	ng/ml	91
11) 2-Methylnaphthalene	3.080	142	431	2.136	ng/ml	99
12) 1-Methylnaphthalene	3.132	142	397	2.139	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	436	2.177	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.576	152	610	2.112	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 11:44:20 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.673	153	454M6	2.166	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.961	166	487M6	2.148	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.278	284	160	2.218	ng/ml	94
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.506	178	635M6	1.951	ng/ml	
27) Anthracene	4.532	178	690M6	2.049	ng/ml	
28) Fluoranthene	5.180	202	814	2.172	ng/ml#	94
29) Pyrene	5.306	202	839	2.171	ng/ml	99
32) Benzo[a]anthracene	6.014	228	4239M6	2.098	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.024	228	584M3	1.865	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.048	149	922	4.406	ng/ml	98
37) Benzo[b]fluoranthene	6.739	252	719	2.141	ng/ml	99
38) Benzo[k]fluoranthene	6.760	252	584	1.934	ng/ml	99
39) Benzo[a]pyrene	7.007	252	542	1.970	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.127	276	555	1.973	ng/ml	97
41) Dibenzo[a,h]anthracene	8.160	278	526M6	1.991	ng/ml	
42) Benzo[g,h,i]perylene	8.422	276	551	2.017	ng/ml	99

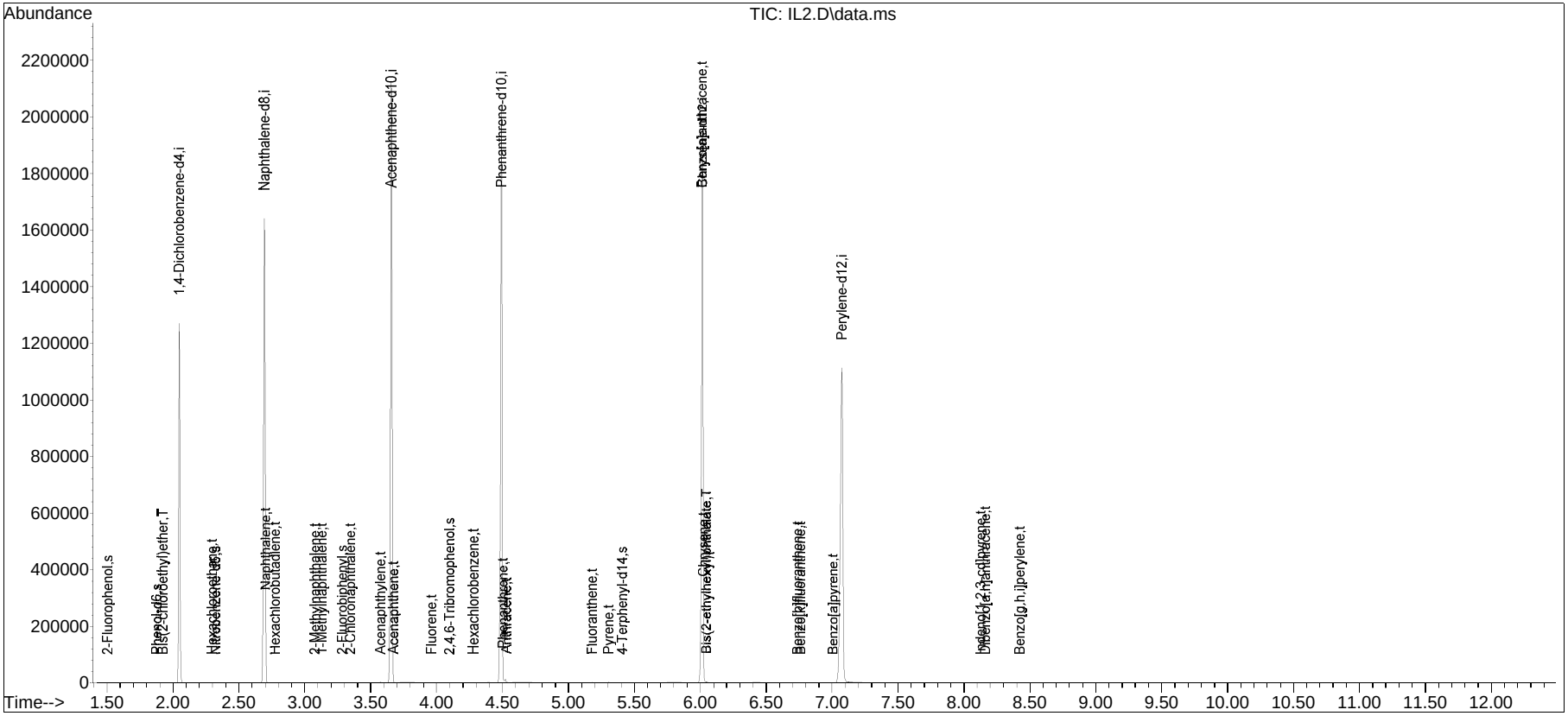
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 11:44:20 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

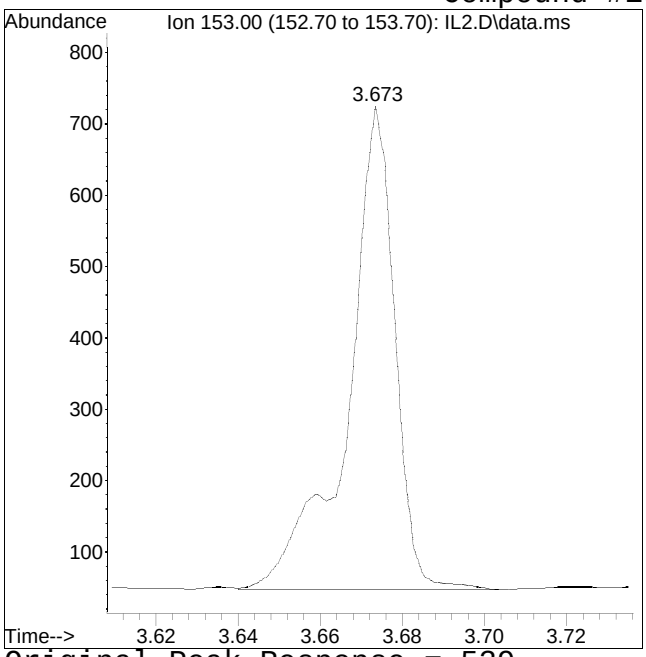
Sub List : Default - All compounds listed05RVTical\IL8.D•



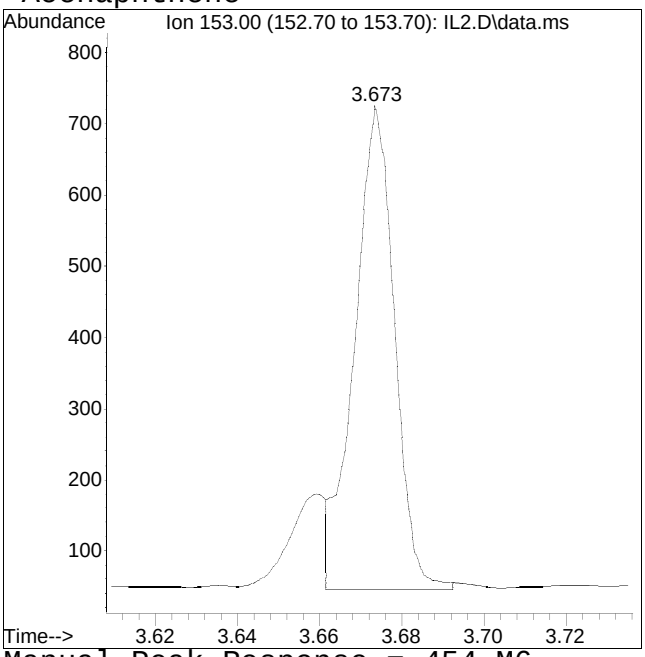
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 539



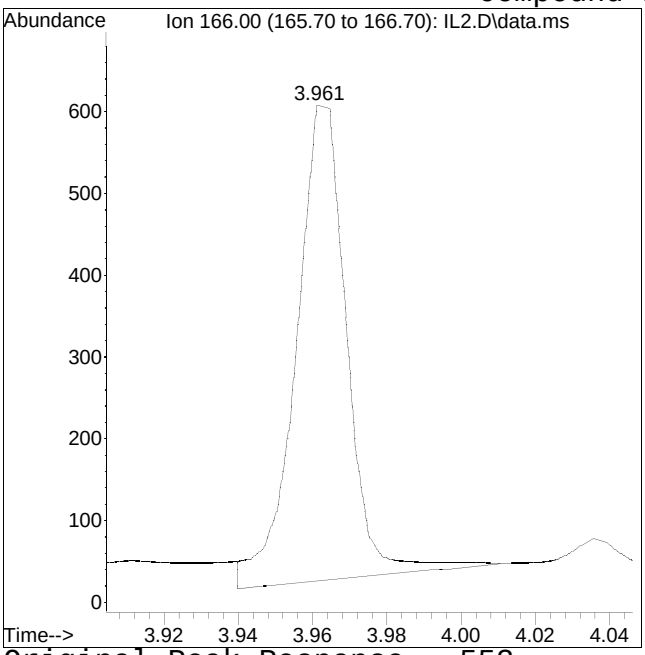
Manual Peak Response = 454 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

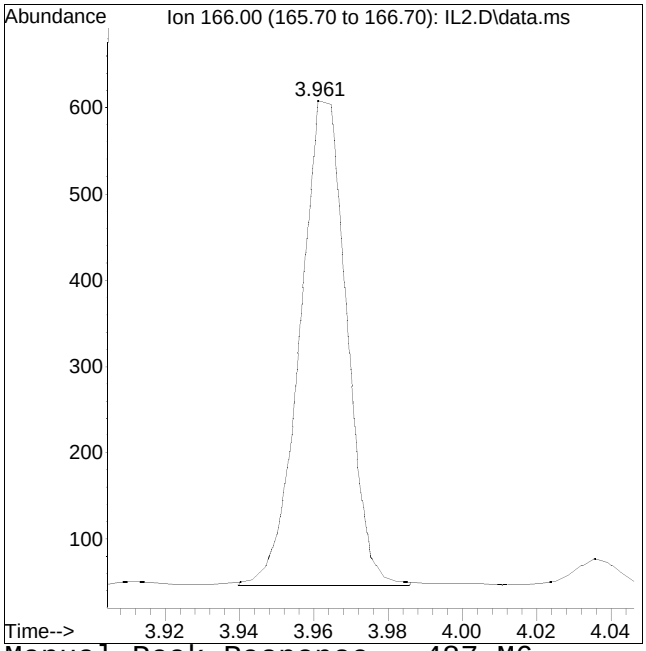
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #20: Fluorene



Original Peak Response = 553



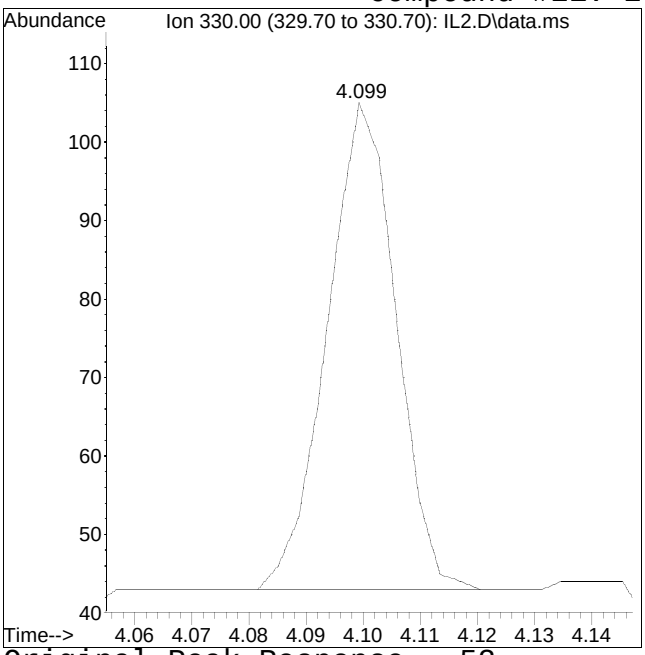
Manual Peak Response = 487 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

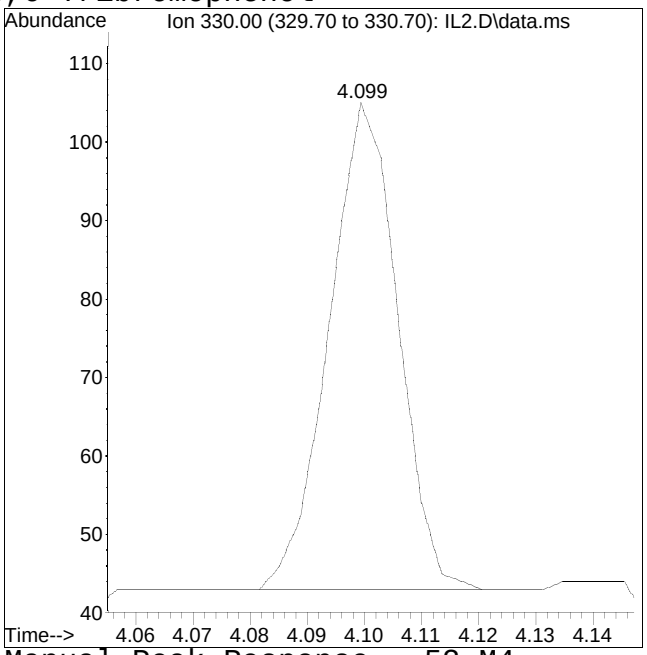
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 52



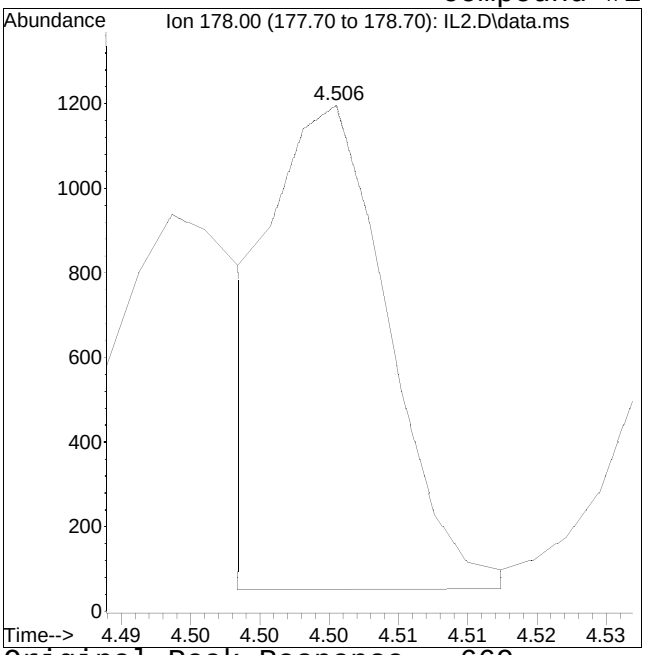
Manual Peak Response = 52 M4

M4 = Poor automated baseline construction.

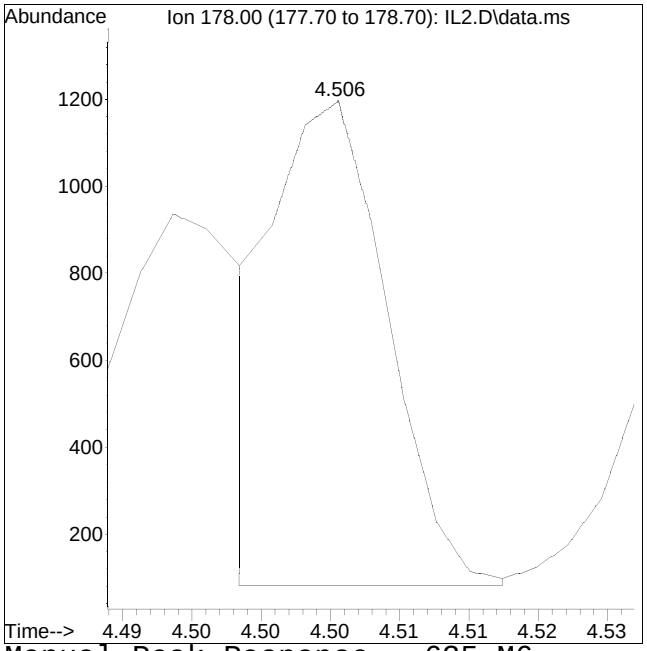
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #26: Phenanthrene



Original Peak Response = 669



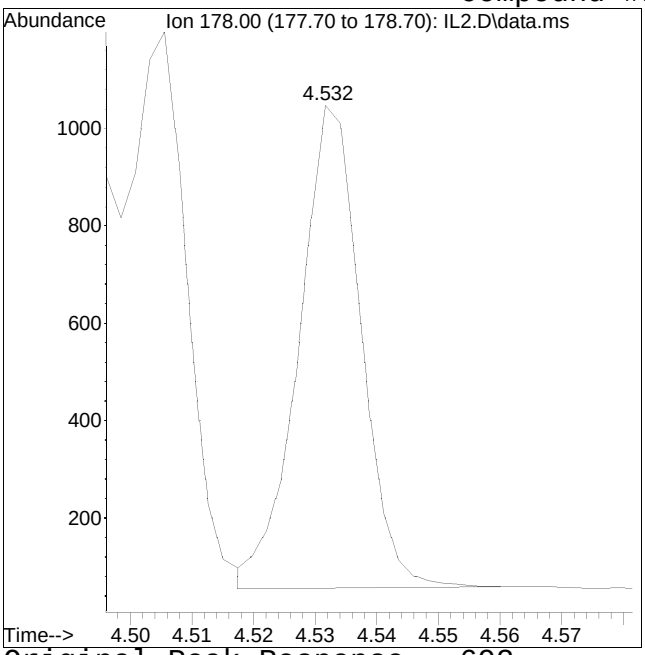
Manual Peak Response = 635 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

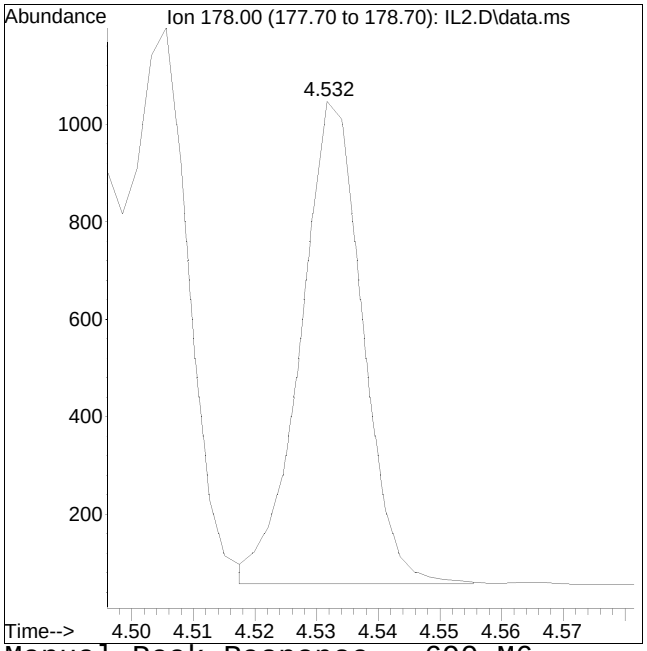
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #27: Anthracene



Original Peak Response = 692



Manual Peak Response = 690 M6

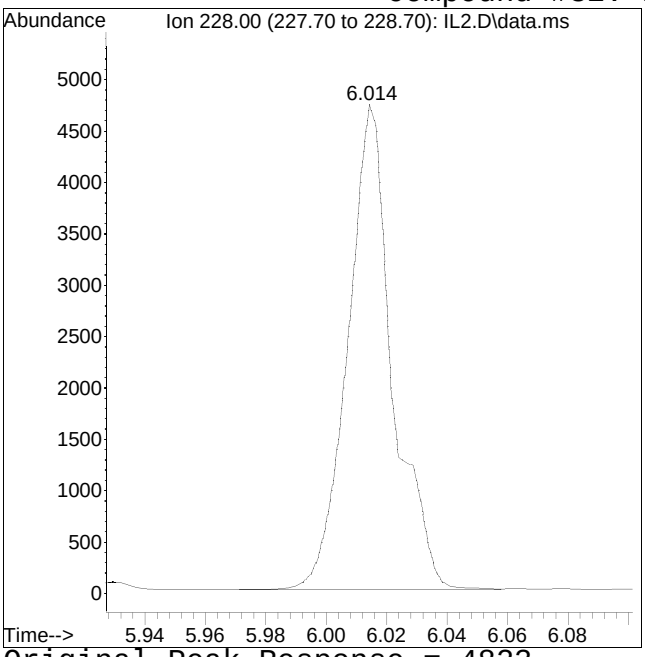
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

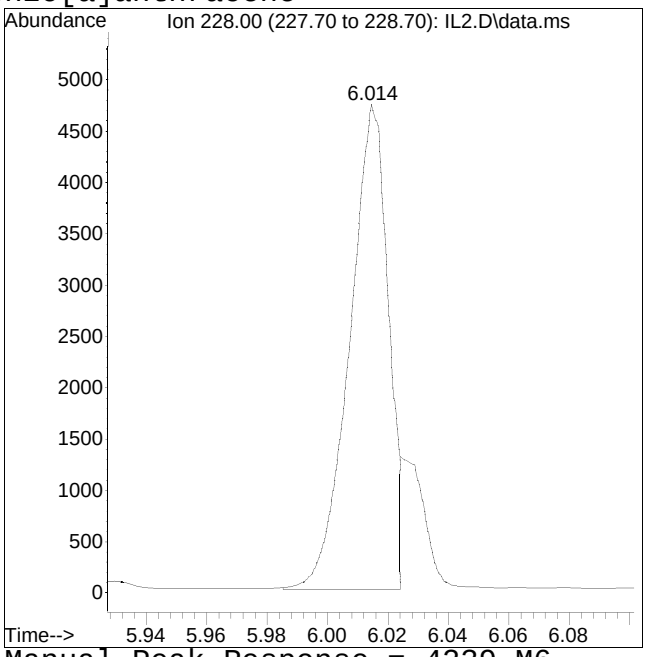
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 4823



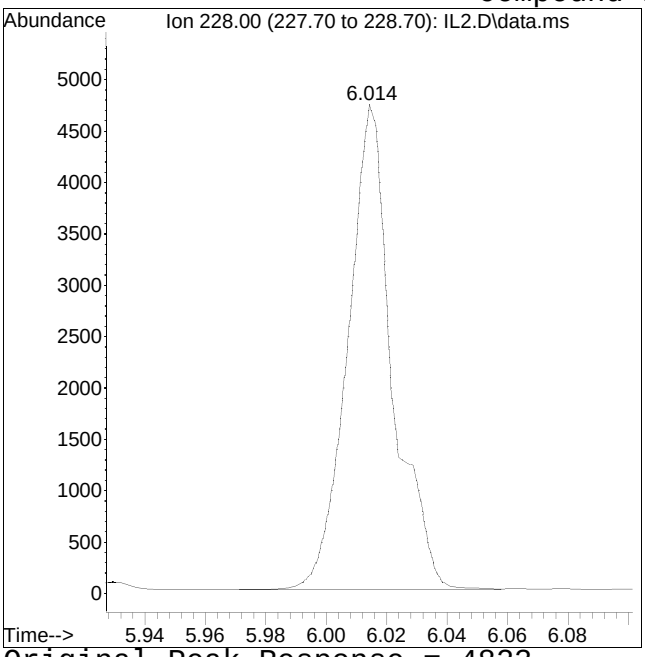
Manual Peak Response = 4239 M6

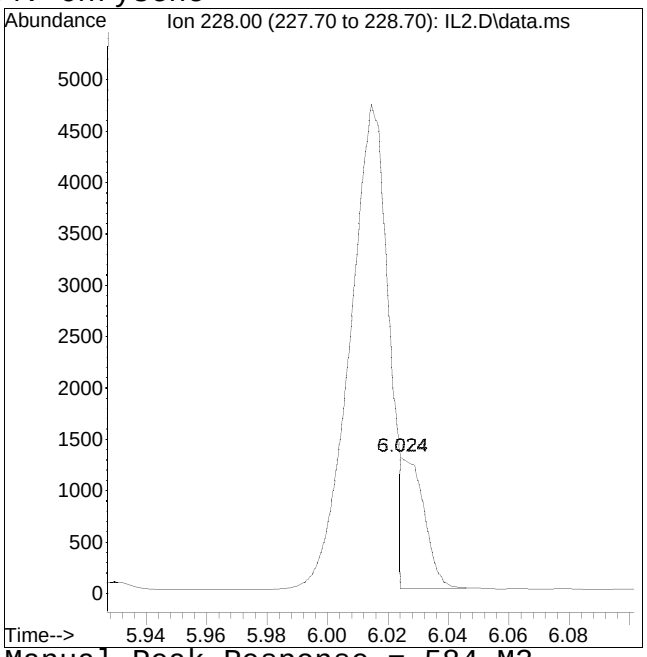
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #34: Chrysene





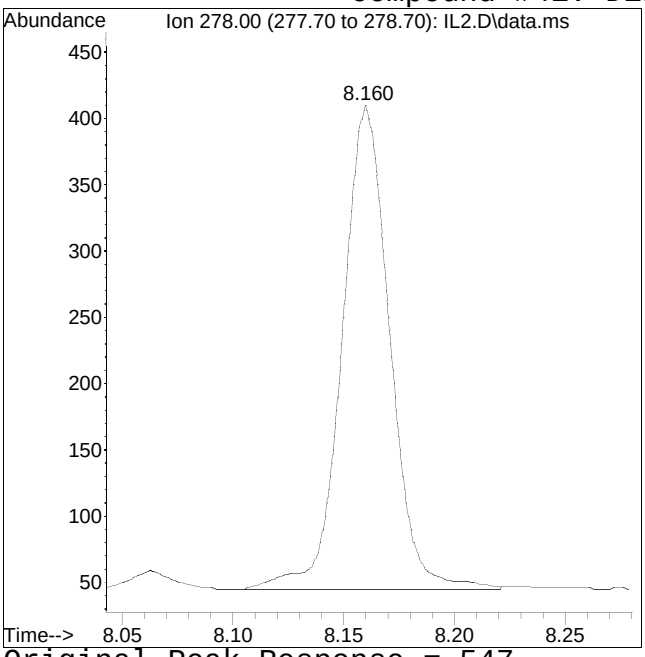
Original Peak Response = 4823 Manual Peak Response = 584 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

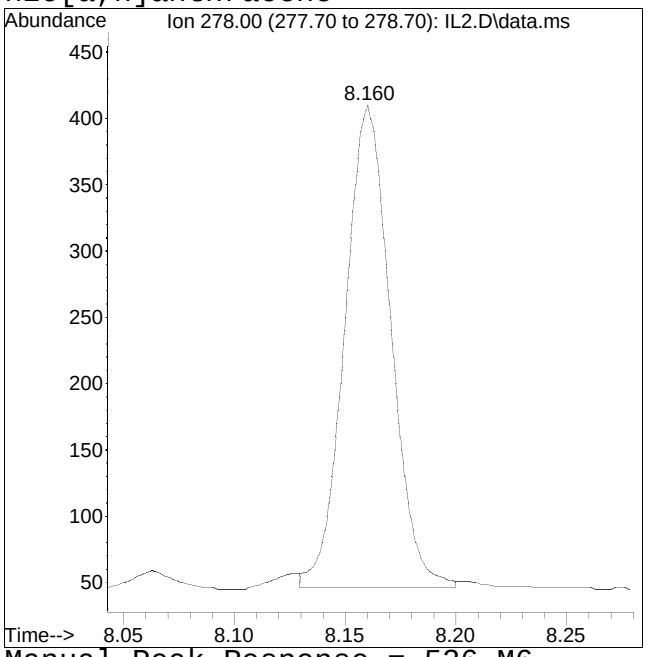
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 547



Manual Peak Response = 526 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 11:44:05 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	284403	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 105.59%			
8) Naphthalene-d8	2.692	136	1105345	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 104.77%			
17) Acenaphthene-d10	3.657	164	659084	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 107.74%			
22) Phenanthrene-d10	4.493	188	1299114	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 111.44%			
31) Chrysene-d12	6.013	240	1133436	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 115.57%			
36) Perylene-d12	7.071	264	1038005	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 107.98%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	84	1.004	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
3) Phenol-d6	1.877	99	101	0.982	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
7) Nitrobenzene-d5	2.323	82	92	1.013	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.284	172	247	1.109	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
21) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
30) 4-Terphenyl-d14	5.405	244	295M4	1.249	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.06%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D. d		
10) Hexachlorobutadiene	0.000		0	N.D. d		
11) 2-Methylnaphthalene	3.080	142	205	1.069	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	185	1.048	ng/ml	98
14) 2-Chloronaphthalene	3.345	162	204	1.071	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.576	152	279	1.016	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 11:44:05 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.673	153	222M4	1.116	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.963	166	231	1.073	ng/ml	99
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.503	178	259M3	0.837	ng/ml	
27) Anthracene	4.531	178	334	1.043	ng/ml	99
28) Fluoranthene	5.179	202	409	1.147	ng/ml#	90
29) Pyrene	5.306	202	416	1.131	ng/ml	99
32) Benzo[a]anthracene	6.013	228	3666M1	0.947	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.025	228	194M4	0.647	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.046	149	964	4.806	ng/ml	99
37) Benzo[b]fluoranthene	6.739	252	325	1.032	ng/ml	100
38) Benzo[k]fluoranthene	6.760	252	291	1.028	ng/ml	99
39) Benzo[a]pyrene	7.004	252	252	0.977	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.123	276	256	0.970	ng/ml	99
41) Dibenzo[a,h]anthracene	8.157	278	243M6	0.981	ng/ml	
42) Benzo[g,h,i]perylene	8.419	276	259	1.011	ng/ml	97

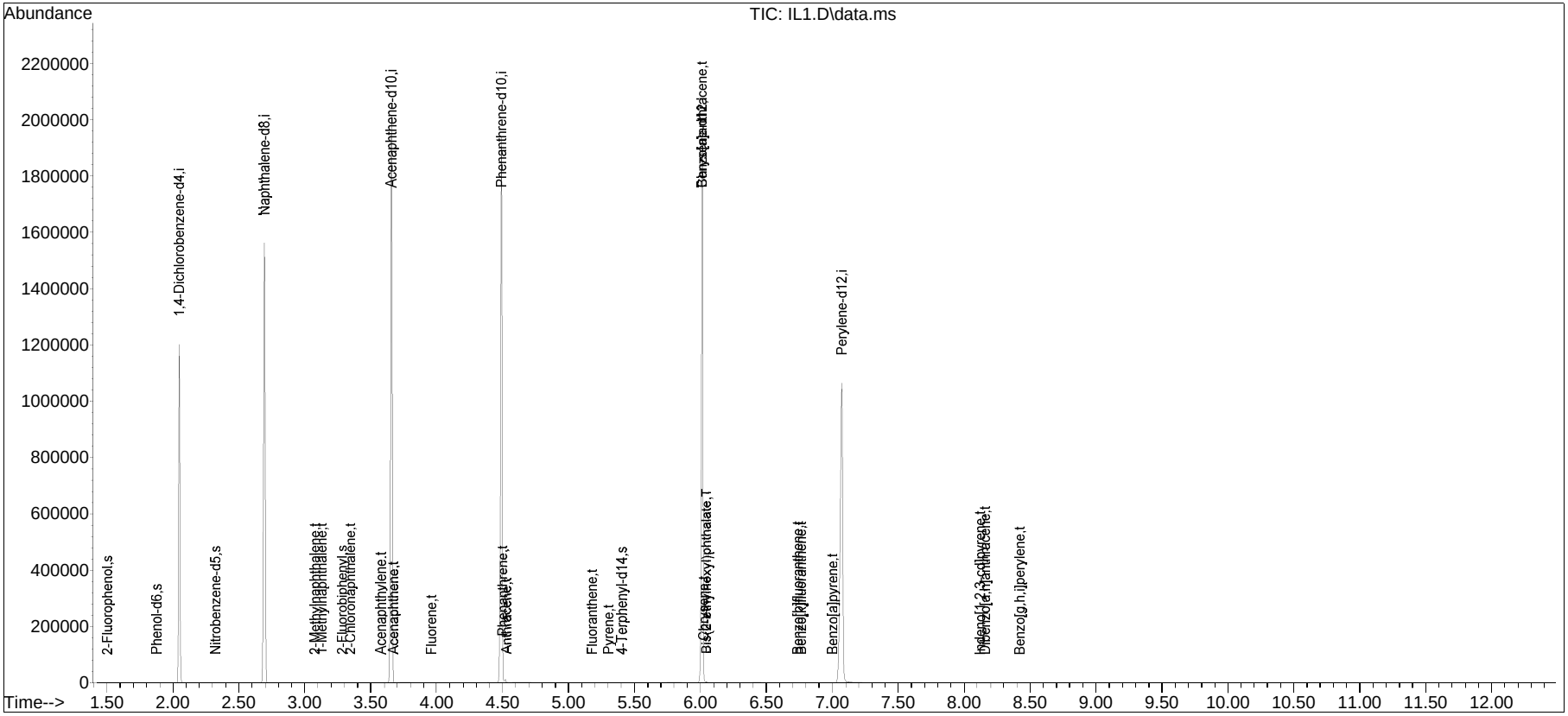
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 11:44:05 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

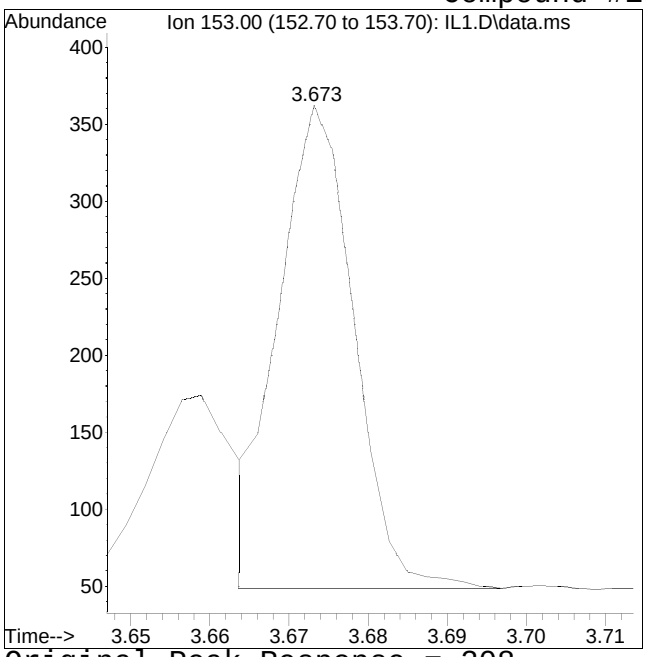
Sub List : Default - All compounds listed05RVTical\IL8.D•



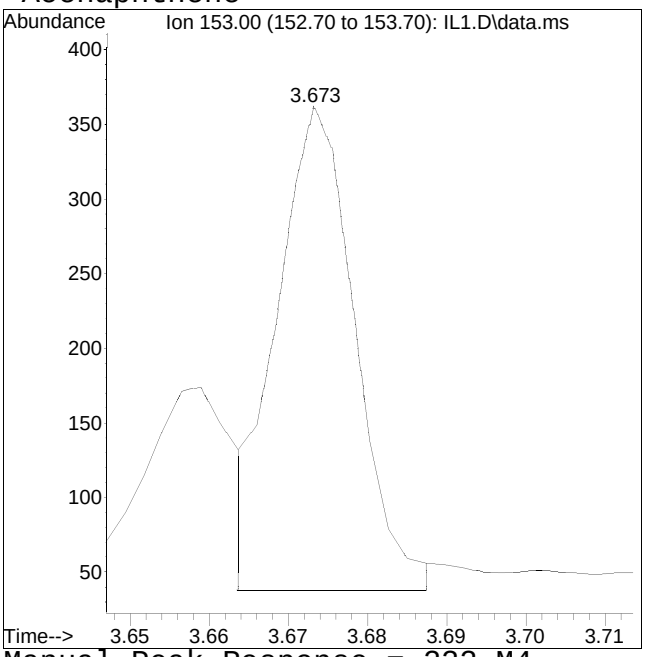
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 208



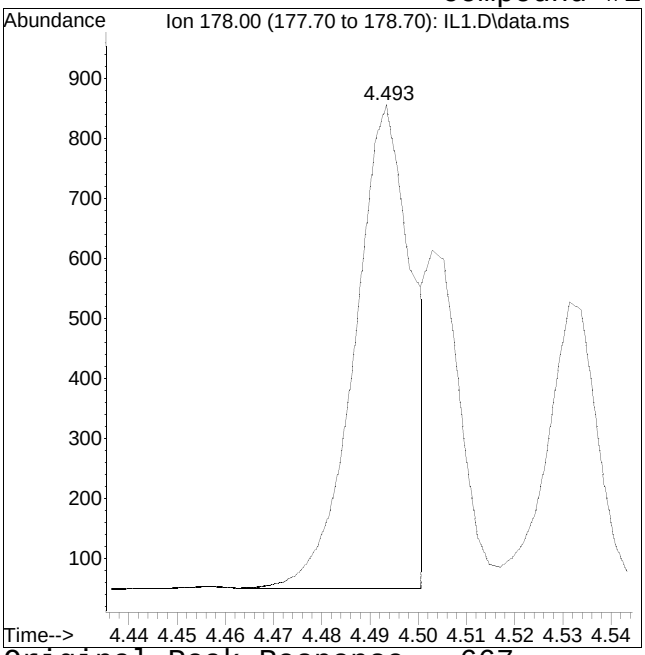
Manual Peak Response = 222 M4

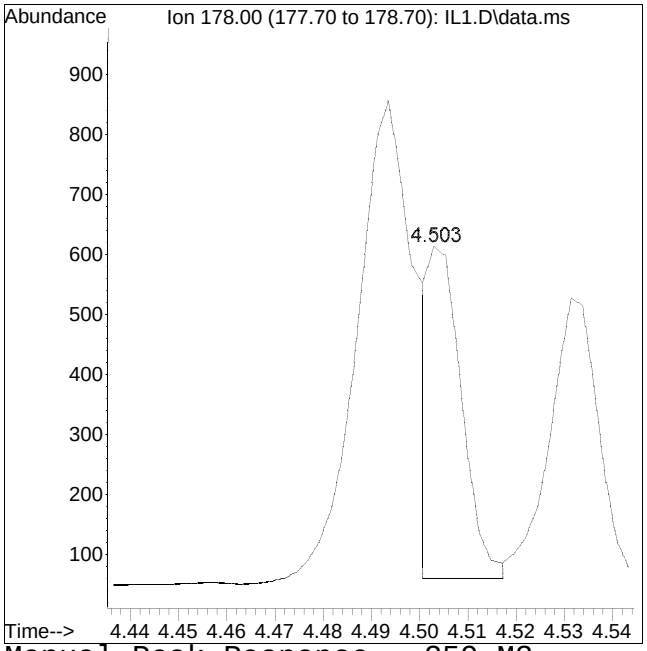
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #26: Phenanthrene





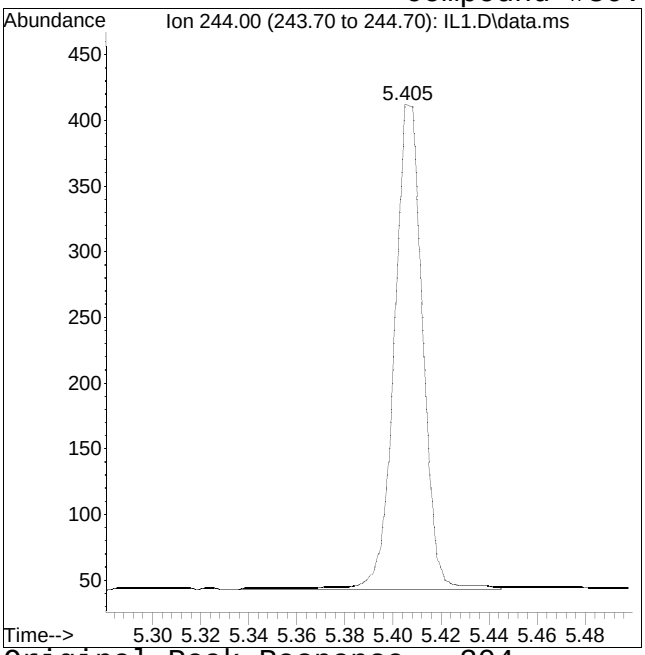
Original Peak Response = 667 Manual Peak Response = 259 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

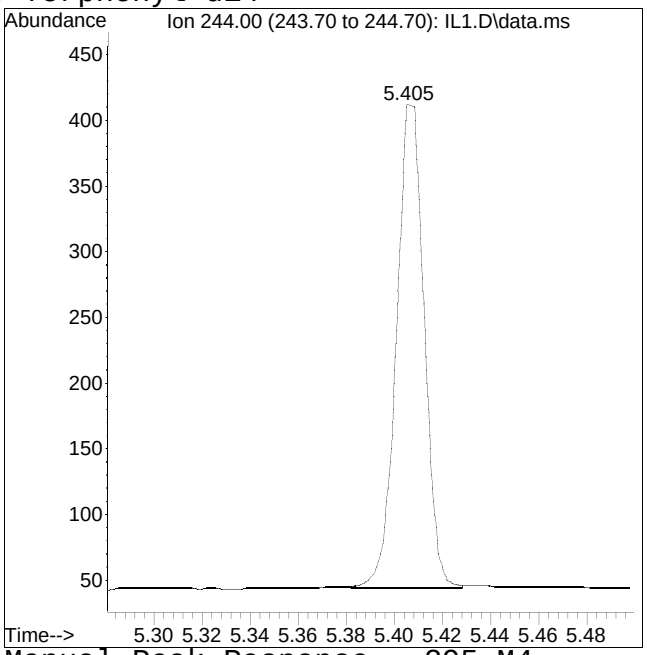
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #30: 4-Terphenyl-d14



Original Peak Response = 304



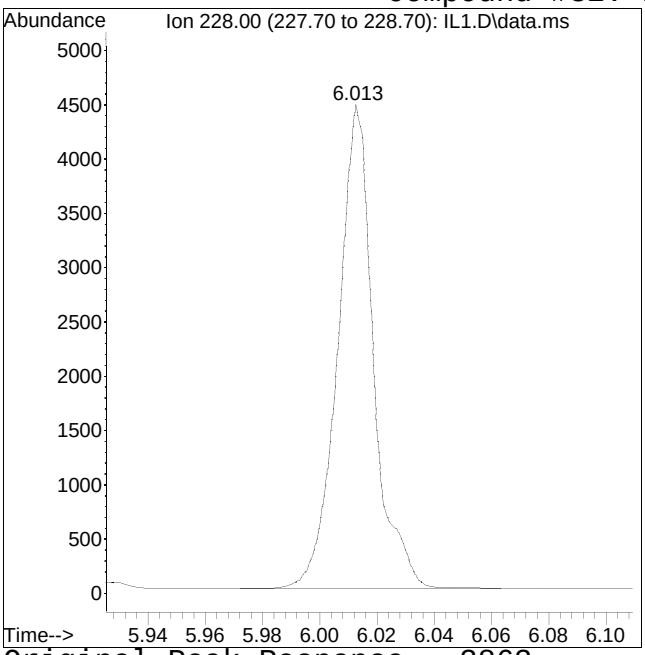
Manual Peak Response = 295 M4

M4 = Poor automated baseline construction.

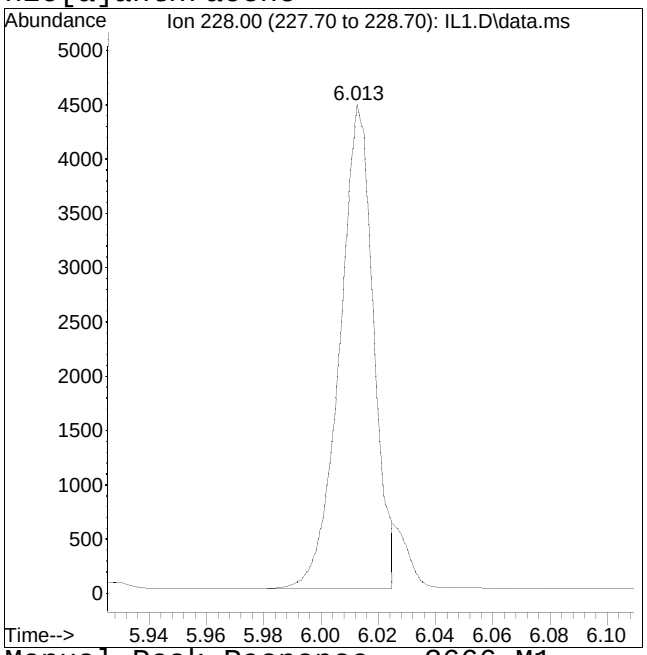
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 3863



Manual Peak Response = 3666 M1

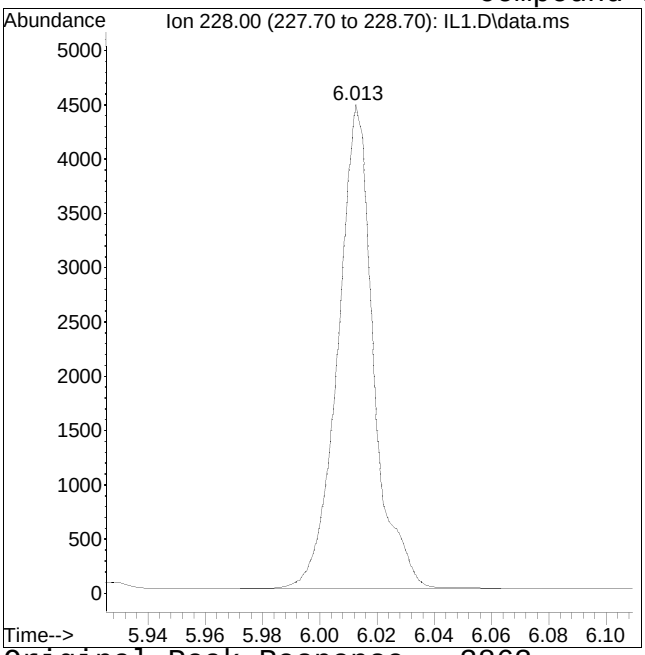
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

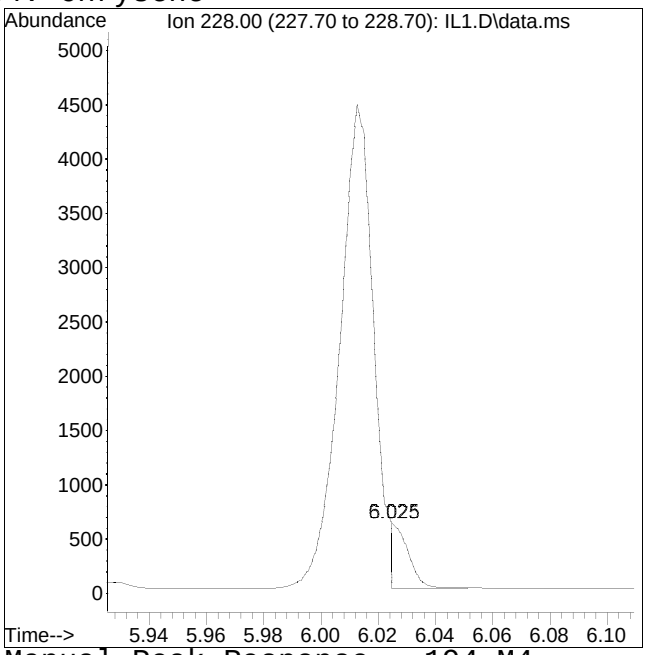
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL1.D
Date Inj'd : 11/5/2024 9:57 am
Sample : IL1,32,,1.0ng/mL lot# 1089

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #34: Chrysene



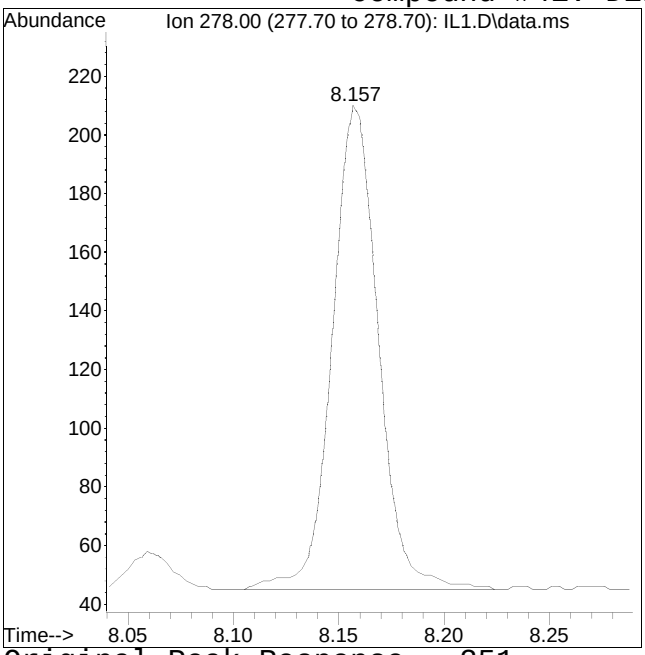


Original Peak Response = 3863
Manual Peak Response = 194 M4
M4 = Poor automated baseline construction.

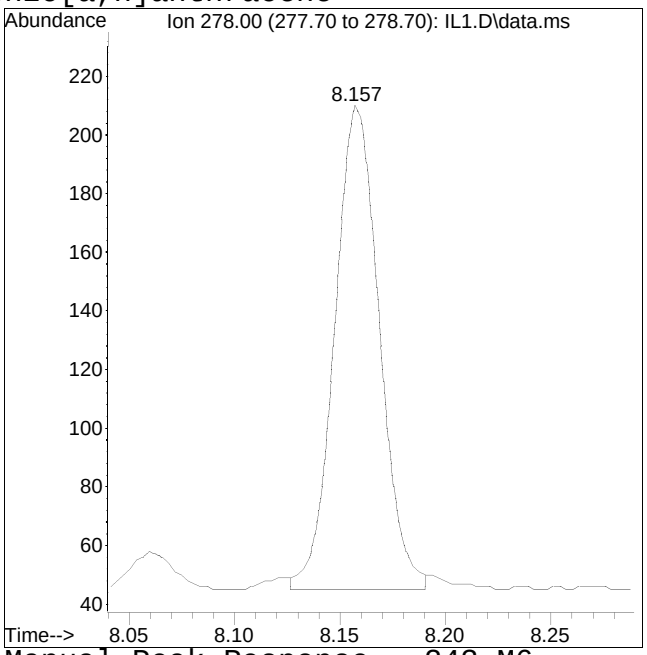
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL1.D
Date Inj'd : 11/5/2024 9:57 am
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 251



Manual Peak Response = 243 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
2	s	2-Fluorophenol	1.177	1.153	2.0	76	-0.01
3	s	Phenol-d6	1.447	1.394	3.7	74	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	910.140	9.0	73	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.801	8.2	71	0.00
6	t	Hexachloroethane	0.524	0.487	7.1	72	0.00
7	s	Nitrobenzene-d5	1.277	1.200	6.0	72	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	76	0.00
9	t	Naphthalene	1.000	0.900	10.0	73	0.00
10	t	Hexachlorobutadiene	0.189	0.174	7.9	73	0.00
11	t	2-Methylnaphthalene	0.694	0.649	6.5	74	0.00
12	t	1-Methylnaphthalene	0.639	0.592	7.4	74	0.00
13	s	2-Fluorobiphenyl	0.806	0.732	9.2	75	0.00
14	t	2-Chloronaphthalene	0.689	0.618	10.3	73	0.00
15	t	2,6-Dinitrotoluene	0.156	0.143	8.3	72	0.00
16	t	Acenaphthylene	0.994	0.944	5.0	74	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
18	t	Acenaphthene	1.207	1.087	9.9	74	0.00
19	t	2,4-Dinitrotoluene	0.336	0.330	1.8	73	0.00
20	t	Fluorene	1.306	1.199	8.2	74	0.00
21	s	2,4,6-Tribromophenol	0.159	0.169	-6.3	79	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	81	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	800.208	20.0	69	0.00
24	t	Hexachlorobenzene	0.211	0.190	10.0	76	0.00
25	t	Pentachlorophenol	*1000.000	941.664	5.8	78	0.00
26	t	Phenanthrene	0.953	0.914	4.1	77	0.00
27	t	Anthracene	0.986	0.930	5.7	77	0.00
28	t	Fluoranthene	1.098	1.040	5.3	81	0.00
29	t	Pyrene	1.132	1.102	2.7	83	0.00
30	s	4-Terphenyl-d14	0.727	0.708	2.6	83	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	*1000.000	931.400	6.9	85	0.00
33	t	3,3'-Dichlorobenzidine	0.432	0.452	-4.6	91	0.00
34	t	Chrysene	1.059	1.093	-3.2	86	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.678	4.2	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	94	0.00
37	t	Benzo[b]fluoranthene	1.214	1.125	7.3	91	0.00
38	t	Benzo[k]fluoranthene	1.091	1.042	4.5	87	0.00
39	t	Benzo[a]pyrene	0.994	0.982	1.2	91	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	0.997	2.0	91	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.944	1.2	93	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.959	2.8	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.047	152	206472	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 76.66%			
8) Naphthalene-d8	2.691	136	804844	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 76.29%			
17) Acenaphthene-d10	3.658	164	476077	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 77.83%			
22) Phenanthrene-d10	4.494	188	943391	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 80.92%			
31) Chrysene-d12	6.016	240	876754	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 89.39%			
36) Perylene-d12	7.073	264	908325	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 94.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.491	112	59529	979.648	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.98%			
3) Phenol-d6	1.873	99	71980	963.903	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.20%			
7) Nitrobenzene-d5	2.319	82	61943	939.610	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.96%			
13) 2-Fluorobiphenyl	3.284	172	147269	907.830	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.78%			
21) 2,4,6-Tribromophenol	4.099	330	20136	1062.496	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.12%			
30) 4-Terphenyl-d14	5.407	244	167094	974.085	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 48.70%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.922	93	57941	910.140	ng/ml	99
5) n-nitrosodi-n-propylamine	2.246	70	41367	918.502	ng/ml	100
6) Hexachloroethane	2.293	117	25118	929.244	ng/ml	100
9) Naphthalene	2.701	128	181157	900.410	ng/ml	100
10) Hexachlorobutadiene	2.775	225	35082	920.241	ng/ml	100
11) 2-Methylnaphthalene	3.079	142	130487	934.188	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	119040	926.544	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	124383	897.047	ng/ml	100
15) 2,6-Dinitrotoluene	3.546	165	28850	919.233	ng/ml	97
16) Acenaphthylene	3.575	152	189901	949.907	ng/ml	100
18) Acenaphthene	3.674	153	129351	900.147	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	39315	982.638	ng/ml	97
20) Fluorene	3.961	166	142652	917.438	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.000	198	22203	800.208	ng/ml	99
24) Hexachlorobenzene	4.280	284	44697	896.959	ng/ml	100
25) Pentachlorophenol	4.391	266	25675	941.664	ng/ml	100
26) Phenanthrene	4.505	178	215532	958.717	ng/ml	100
27) Anthracene	4.532	178	219278	942.743	ng/ml	100
28) Fluoranthene	5.178	202	245243	947.125	ng/ml	100
29) Pyrene	5.307	202	259868	973.278	ng/ml	99
32) Benzo[a]anthracene	6.006	228	251011	931.400	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.001	252	99042	1045.050	ng/ml	100
34) Chrysene	6.028	228	239672	1032.570	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.049	149	148592	957.745	ng/ml	100
37) Benzo[b]fluoranthene	6.740	252	255448	926.828	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	236705	955.330	ng/ml	100
39) Benzo[a]pyrene	7.009	252	222935	987.522	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.131	276	226414	980.823	ng/ml	100
41) Dibenzo[a,h]anthracene	8.168	278	214255M6	987.983	ng/ml	
42) Benzo[g,h,i]perylene	8.430	276	217730	971.223	ng/ml	99

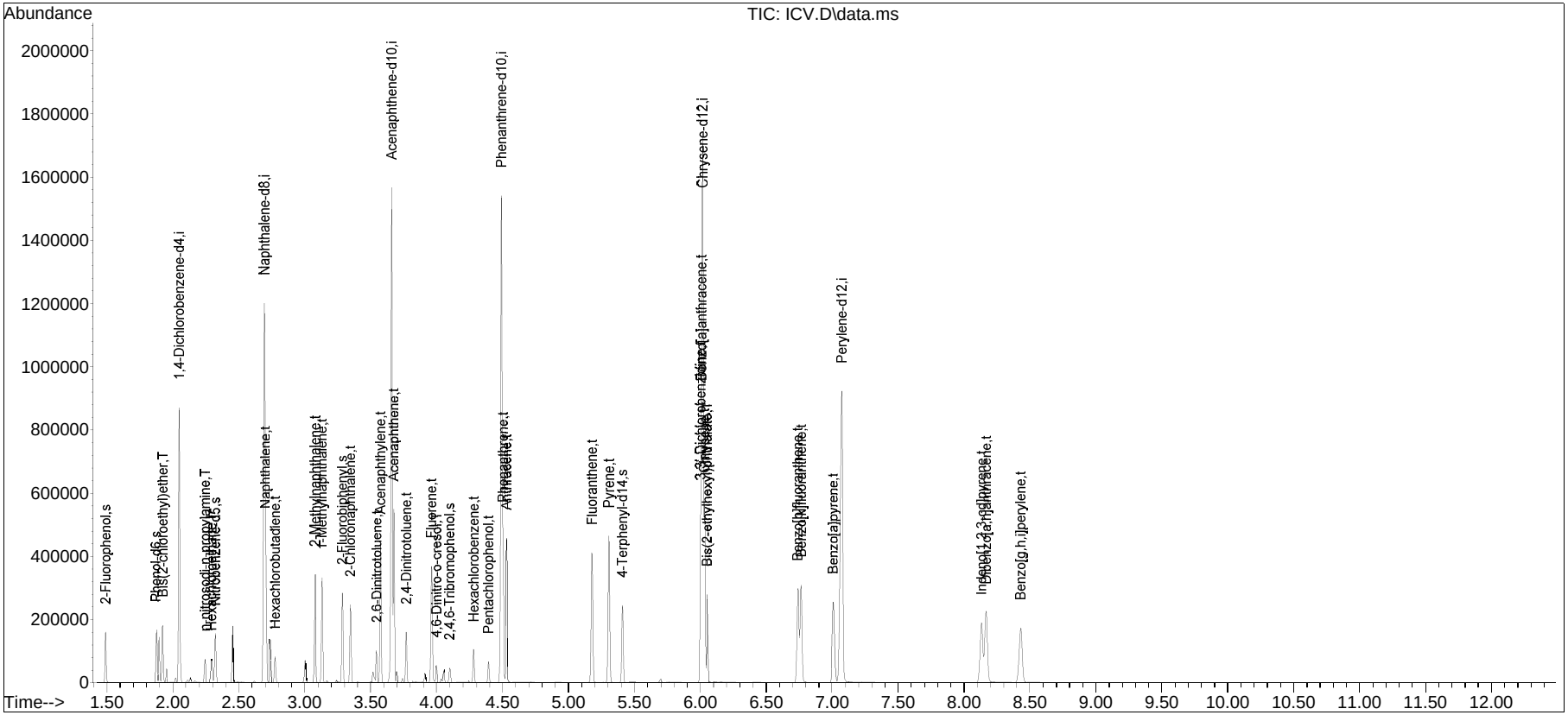
(#) = qualifier out of range (m) = manual integration (+) = signals summed

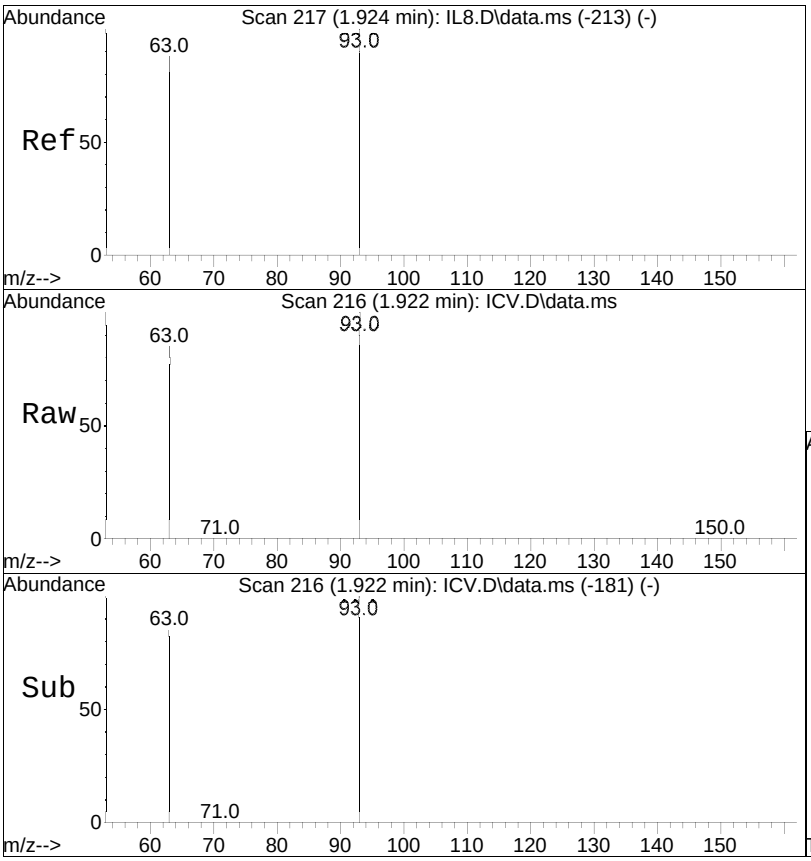
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed05RVTical\IL8.D•

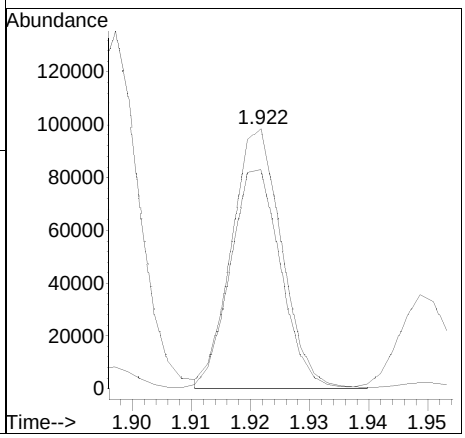


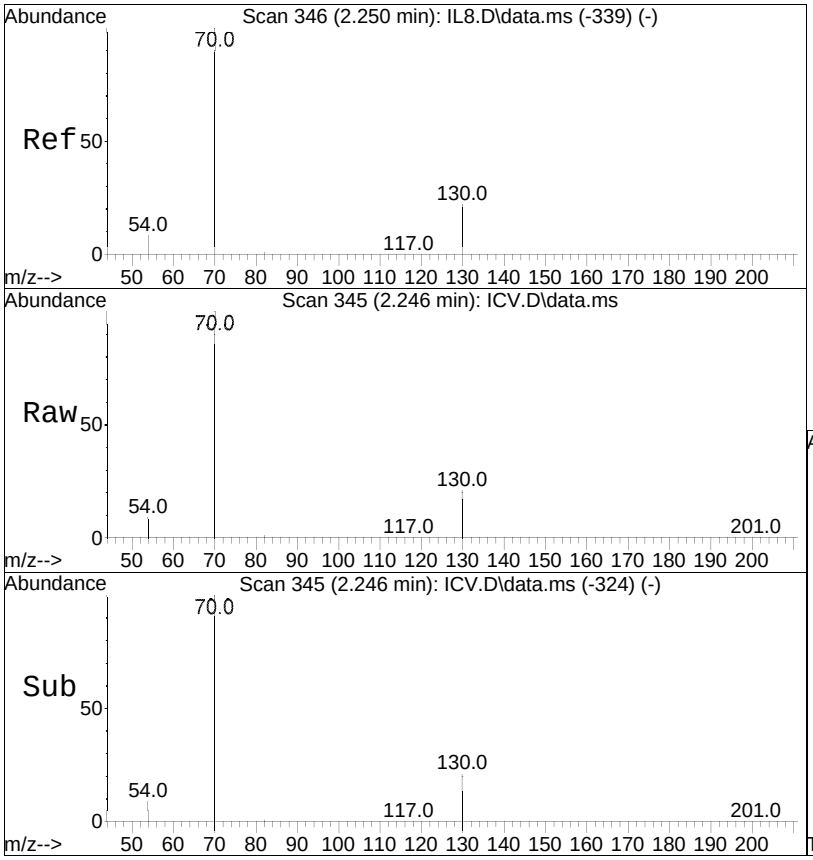


#4
Bis(2-chloroethyl)ether
Concen: 910.14 ng/ml
RT: 1.922 min Scan# 216
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion: 93 Resp: 57941

Ion	Ratio	Lower	Upper
93	100		
63	85.4	68.7	103.1

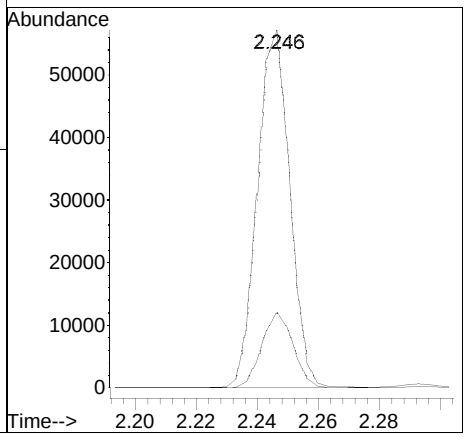


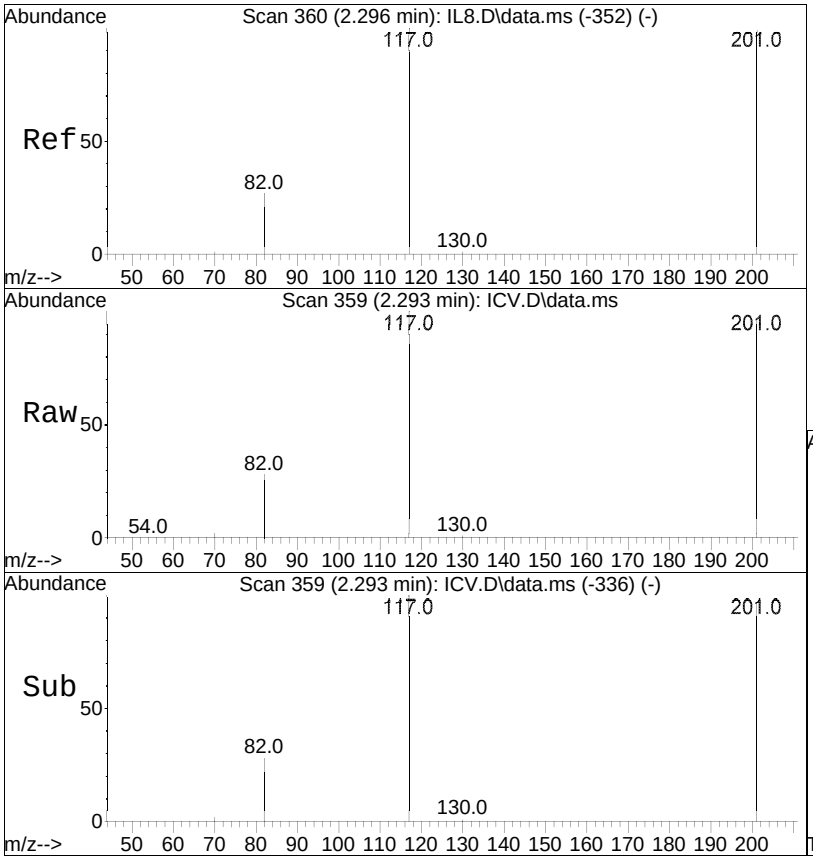


#5
n-nitrosodi-n-propylamine
Concen: 918.50 ng/ml
RT: 2.246 min Scan# 345
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion: 70 Resp: 41367

Ion	Ratio	Lower	Upper
70	100		
130	20.5	16.6	24.8

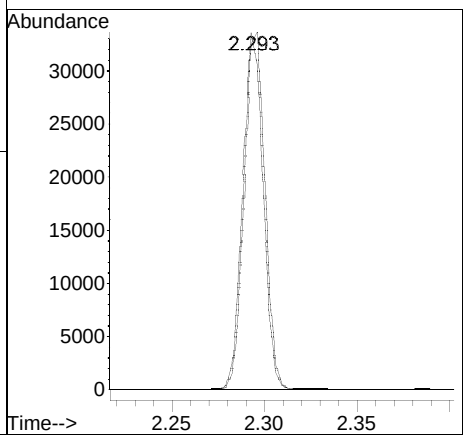


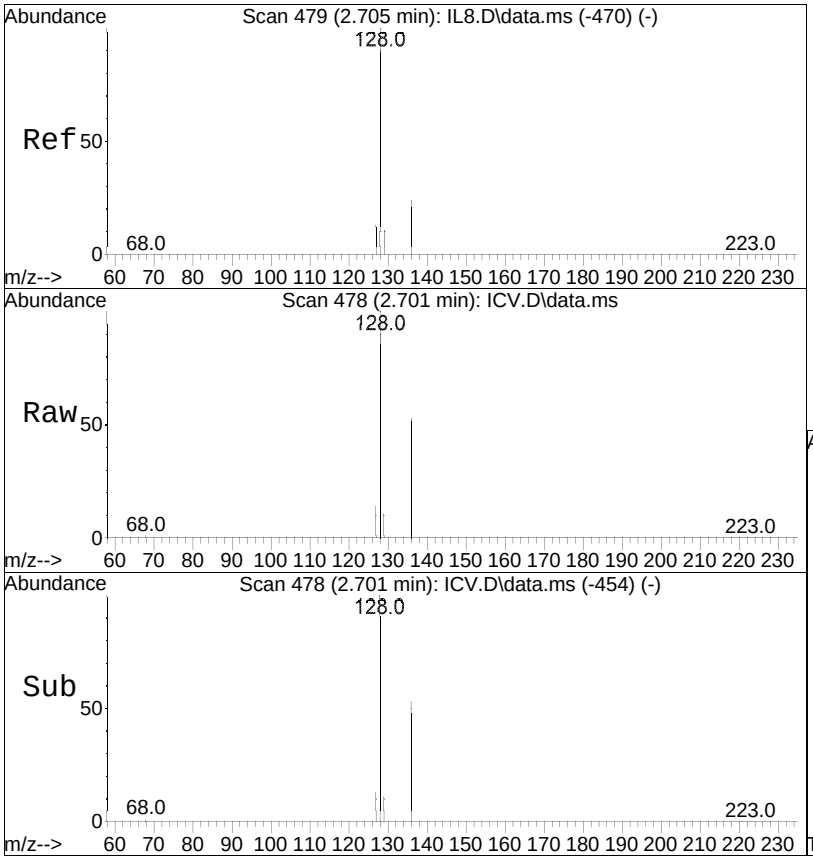


#6
Hexachloroethane
Concen: 929.24 ng/ml
RT: 2.293 min Scan# 359
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:117 Resp: 25118

Ion	Ratio	Lower	Upper
117	100		
201	102.2	82.0	123.0

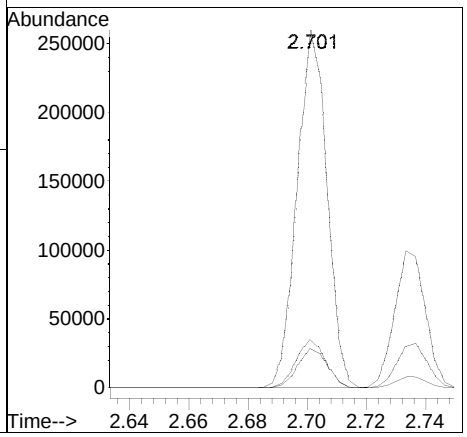


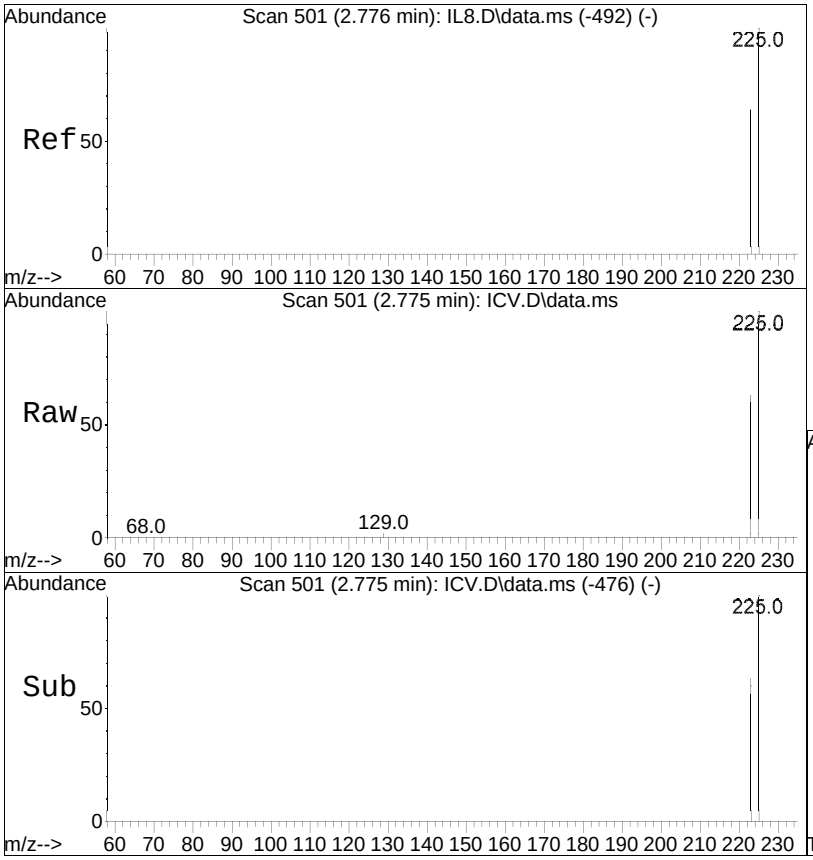


#9
Naphthalene
Concen: 900.41 ng/ml
RT: 2.701 min Scan# 478
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:128 Resp: 181157

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

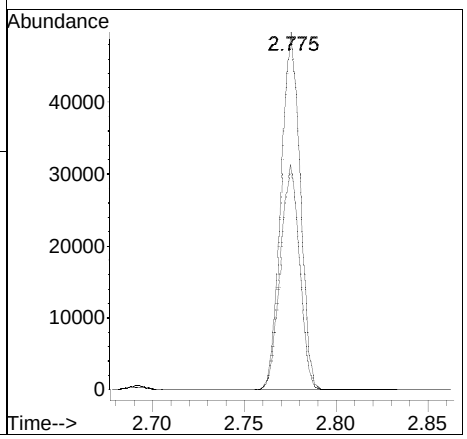


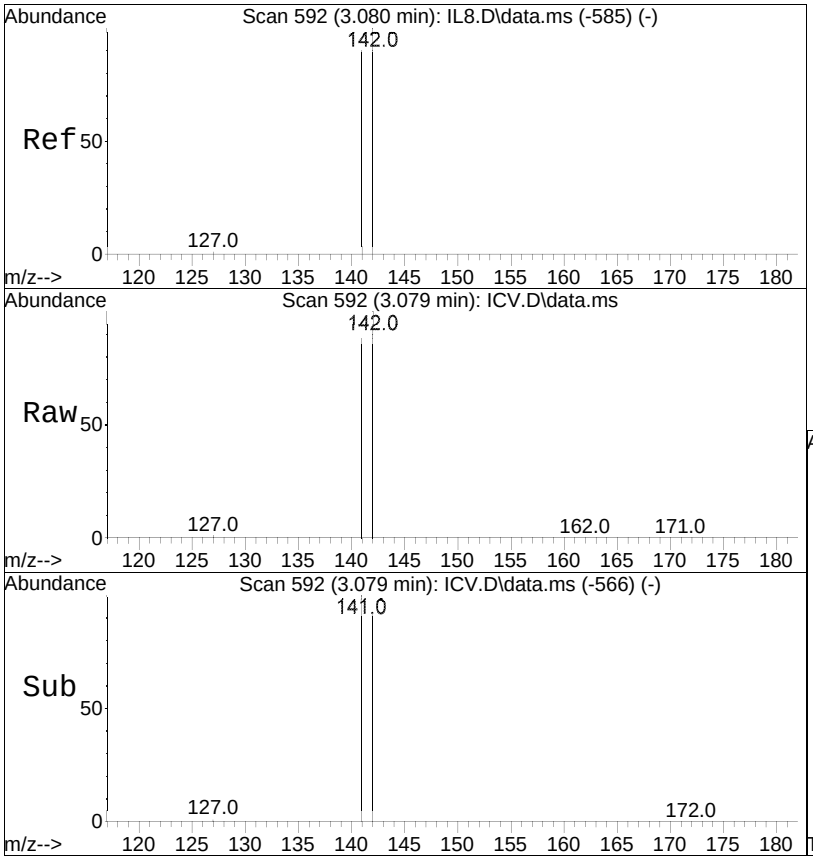


#10
Hexachlorobutadiene
Concen: 920.24 ng/ml
RT: 2.775 min Scan# 501
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:225 Resp: 35082

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

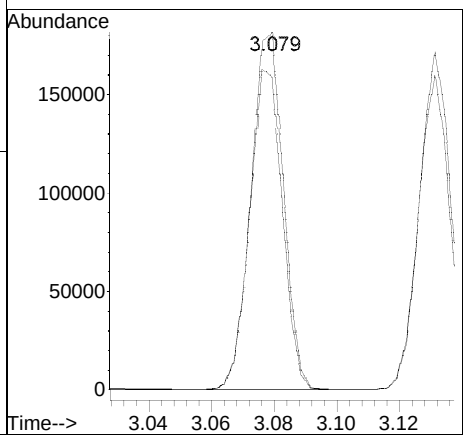


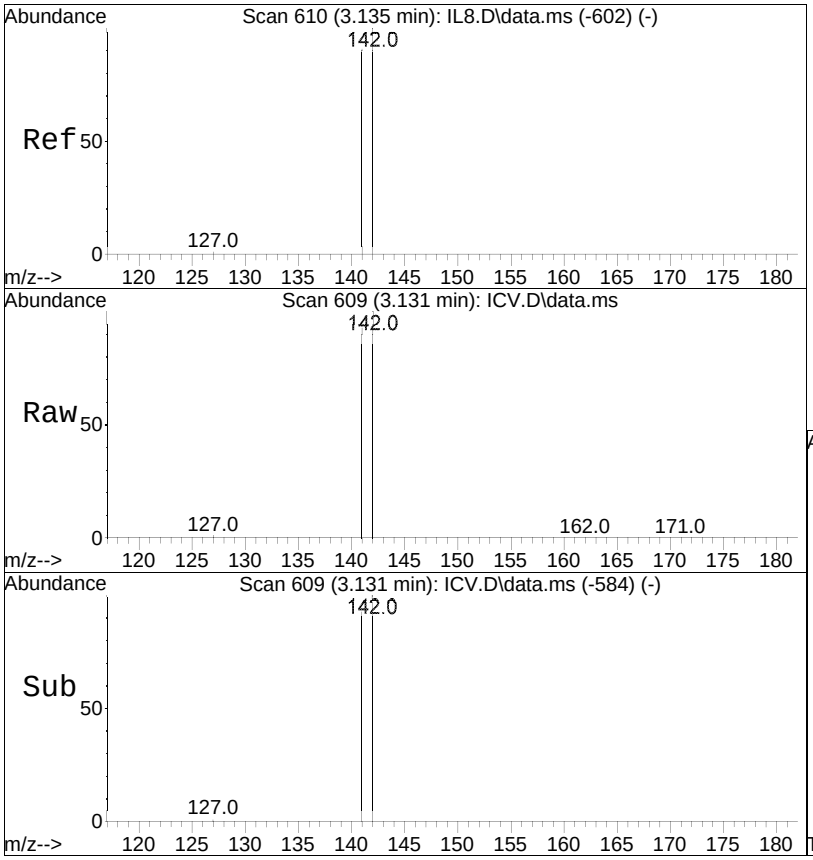


#11
2-Methylnaphthalene
Concen: 934.19 ng/ml
RT: 3.079 min Scan# 592
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:142 Resp: 130487

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2

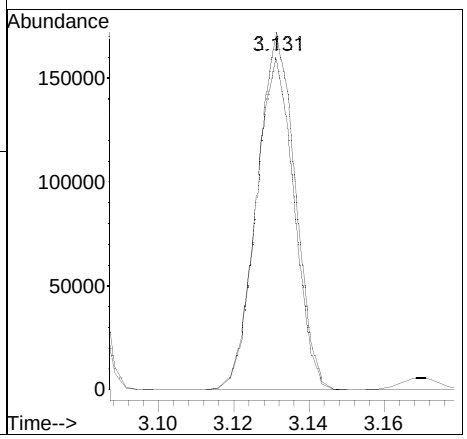


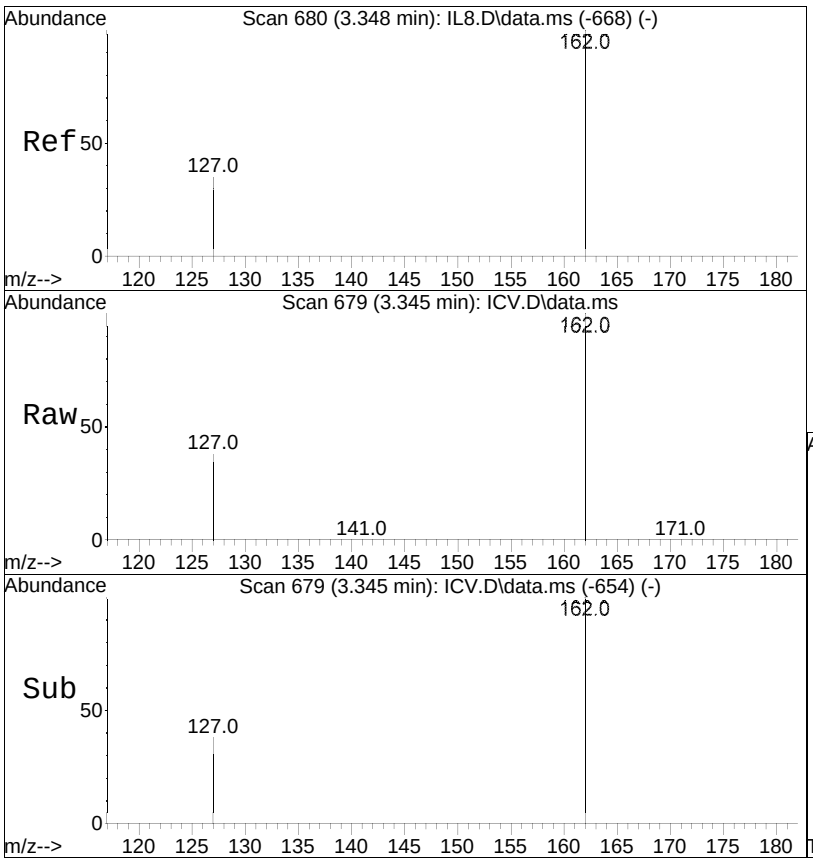


#12
1-Methylnaphthalene
Concen: 926.54 ng/ml
RT: 3.131 min Scan# 609
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:142 Resp: 119040

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.6	112.0

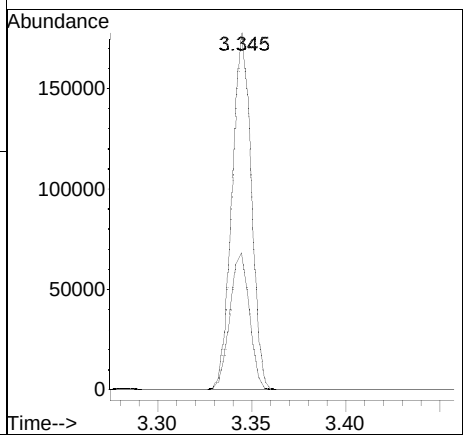


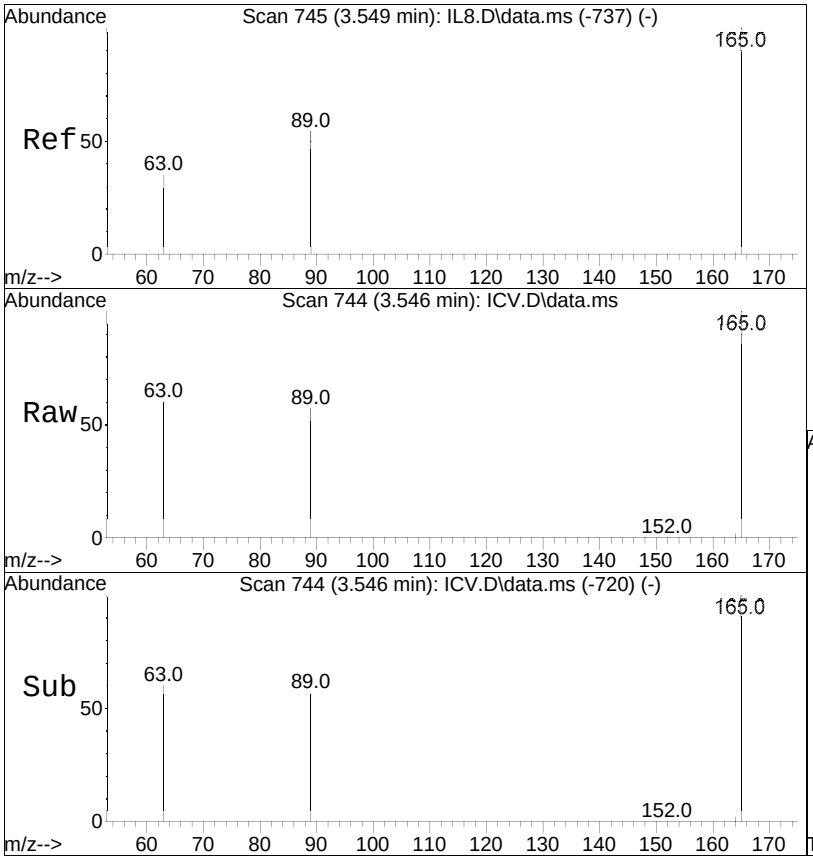


#14
2-Chloronaphthalene
Concen: 897.05 ng/ml
RT: 3.345 min Scan# 679
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:162 Resp: 124383

Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.0	46.4

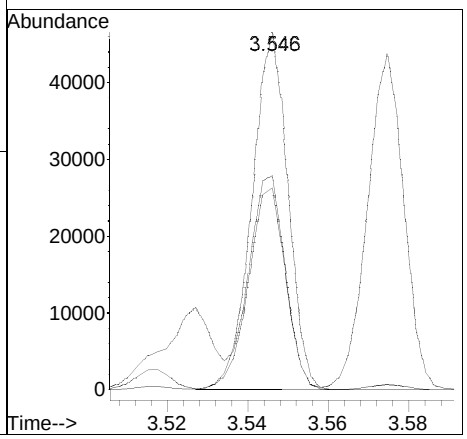


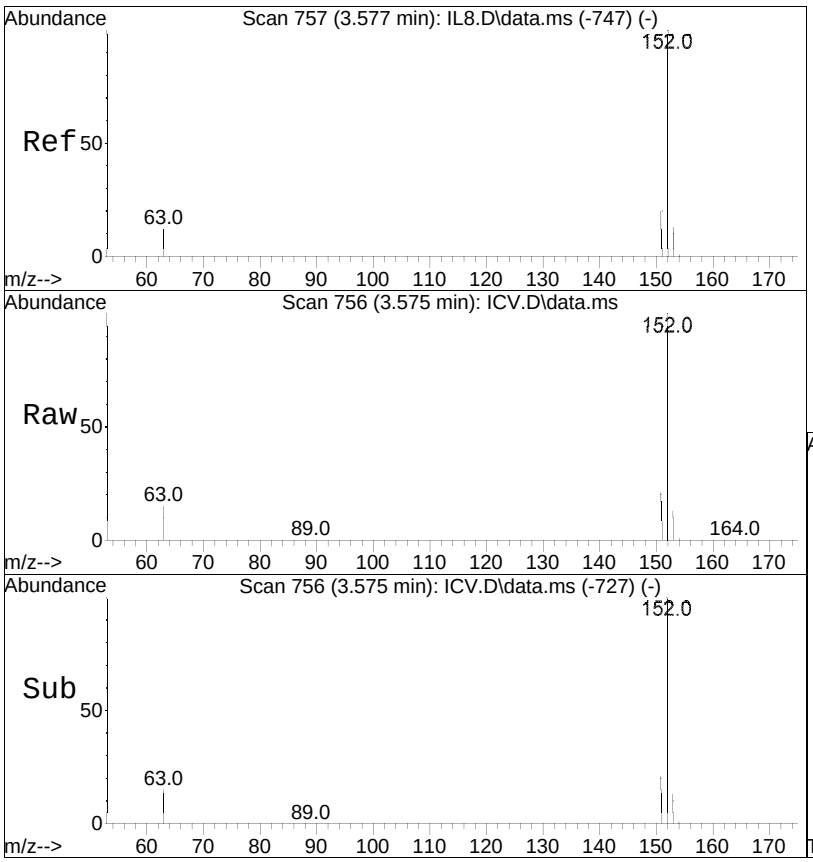


#15
2,6-Dinitrotoluene
Concen: 919.23 ng/ml
RT: 3.546 min Scan# 744
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:165 Resp: 28850

Ion	Ratio	Lower	Upper
165	100		
89	58.5	45.8	68.8
63	60.8	46.3	69.5

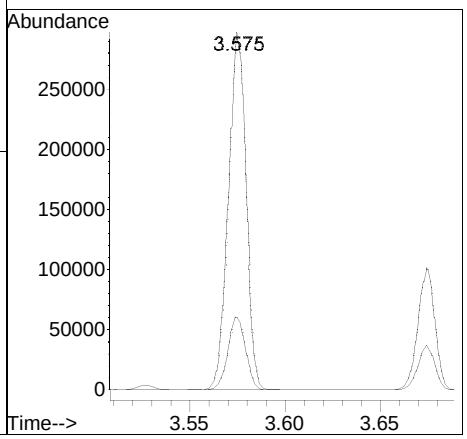


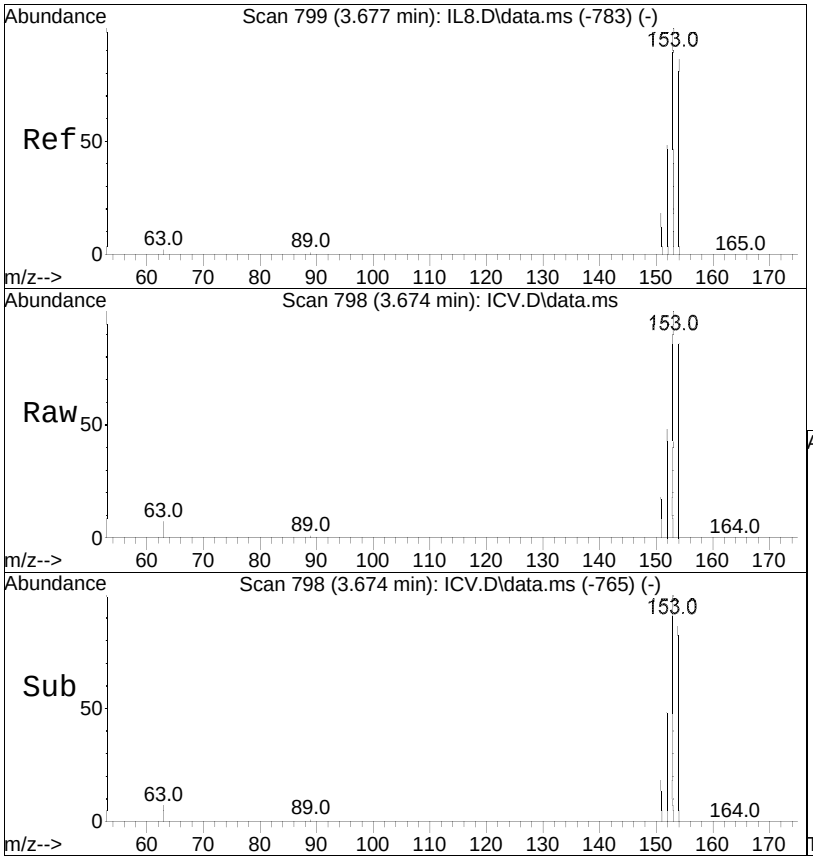


#16
Acenaphthylene
Concen: 949.91 ng/ml
RT: 3.575 min Scan# 756
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:152 Resp: 189901

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

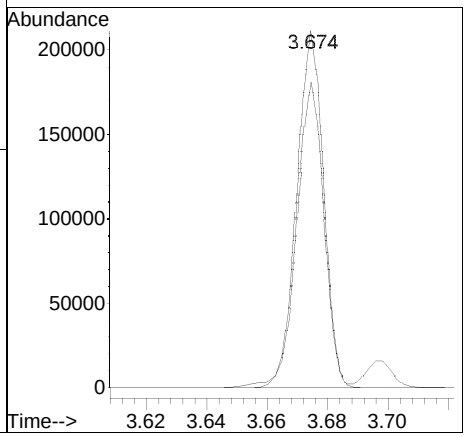


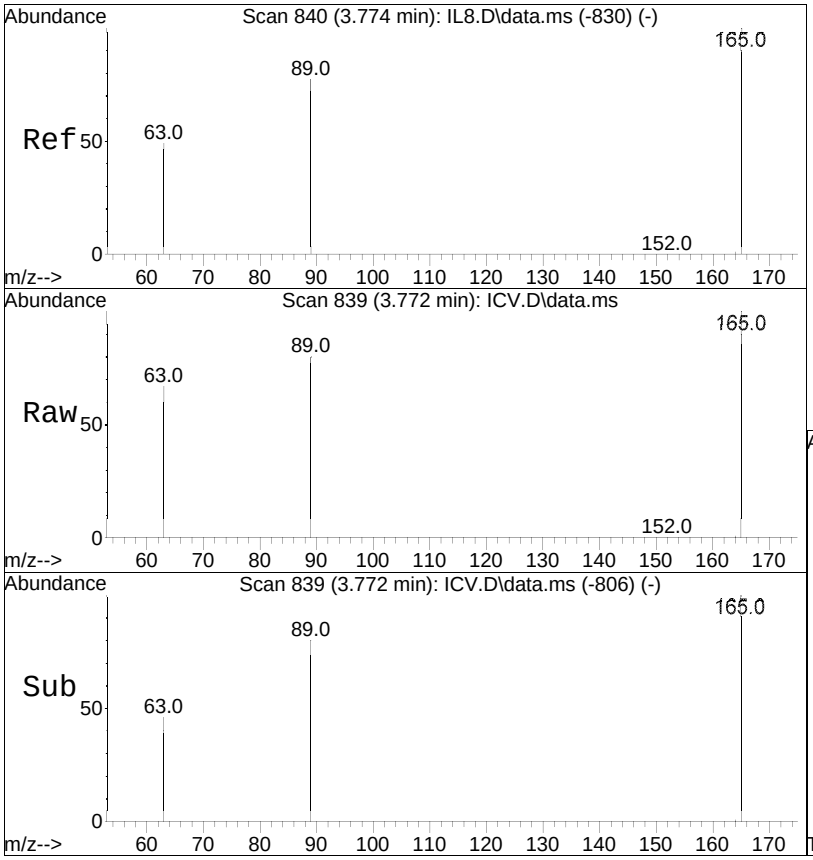


#18
Acenaphthene
Concen: 900.15 ng/ml
RT: 3.674 min Scan# 798
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:153 Resp: 129351

Ion	Ratio	Lower	Upper
153	100		
154	87.1	69.8	104.6

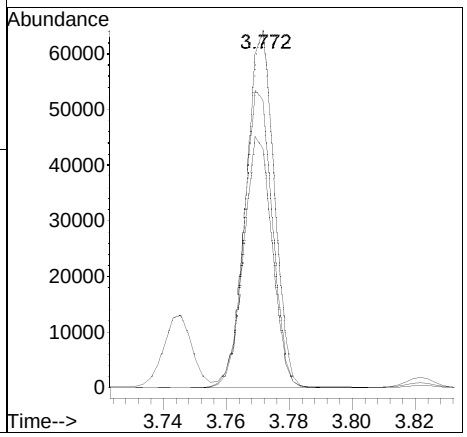


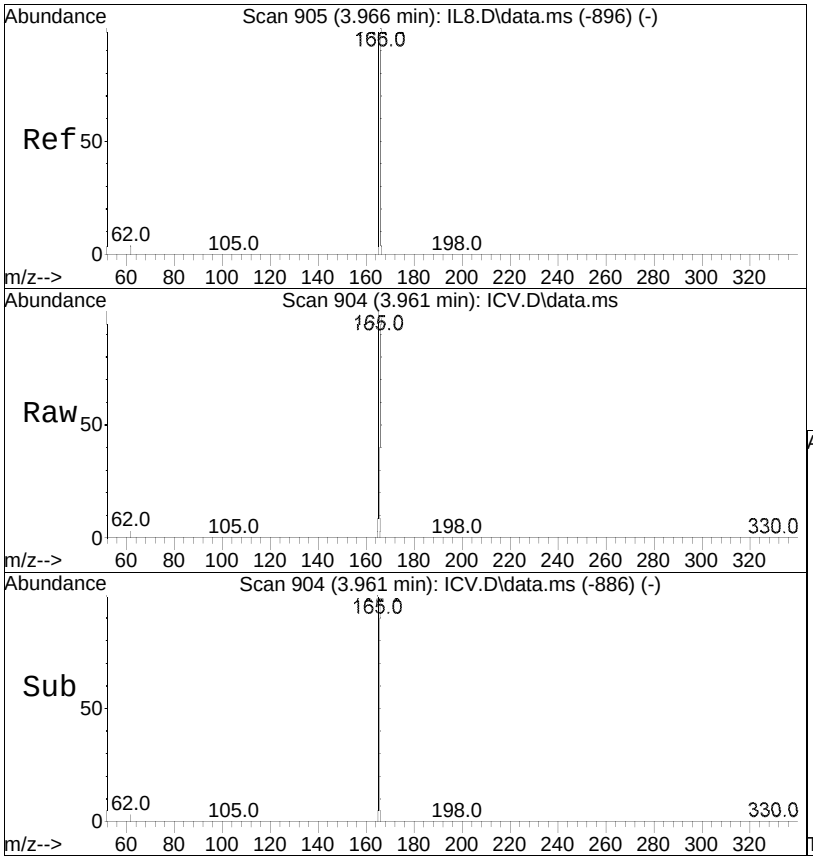


#19
2,4-Dinitrotoluene
Concen: 982.64 ng/ml
RT: 3.772 min Scan# 839
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:165 Resp: 39315

Ion	Ratio	Lower	Upper
165	100		
89	84.5	65.9	98.9
63	71.8	55.7	83.5

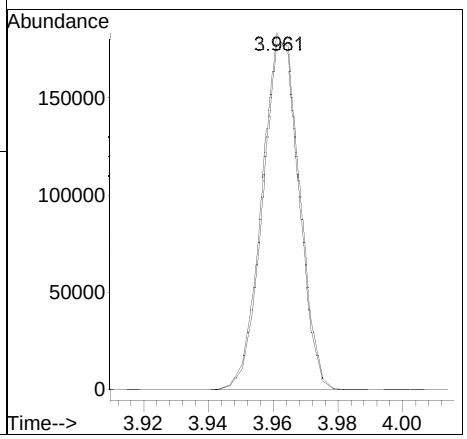


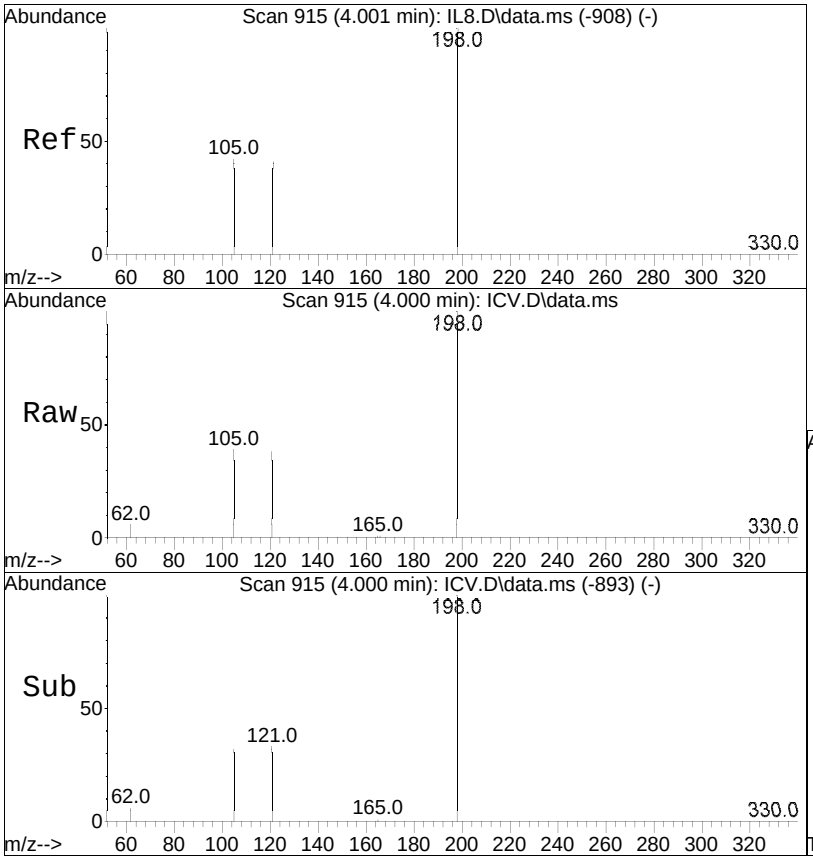


#20
Fluorene
Concen: 917.44 ng/ml
RT: 3.961 min Scan# 904
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:166 Resp: 142652

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.1	120.1

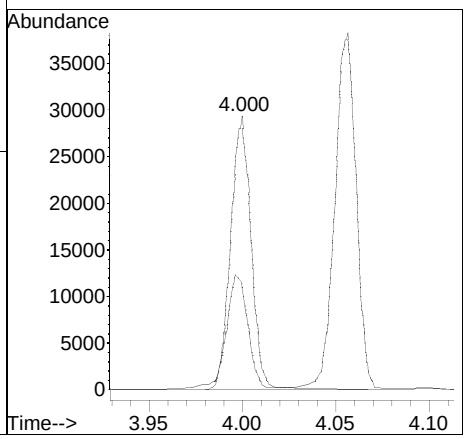


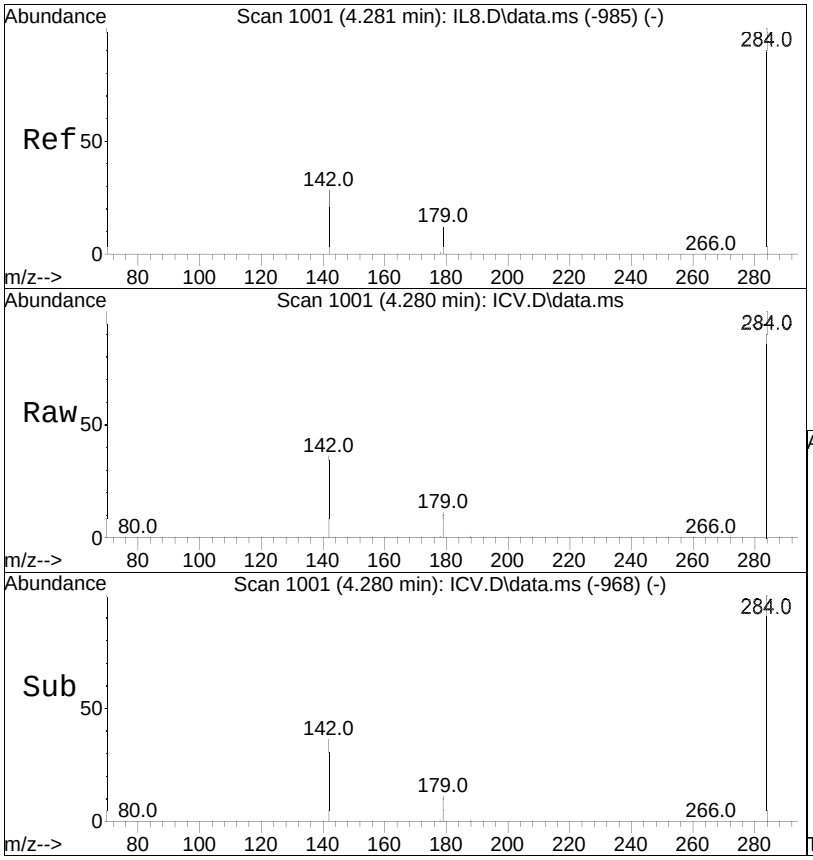


#23
4,6-Dinitro-o-cresol
Concen: 800.21 ng/ml
RT: 4.000 min Scan# 915
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:198 Resp: 22203

Ion	Ratio	Lower	Upper
198	100		
105	44.8	35.4	53.2

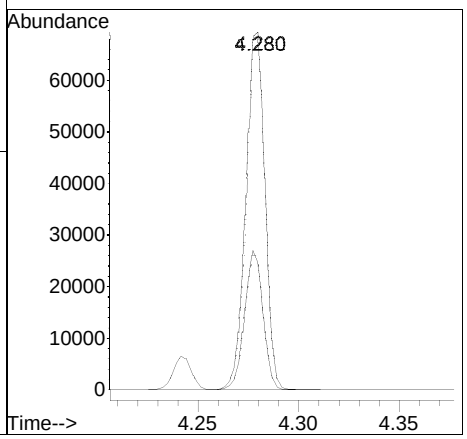


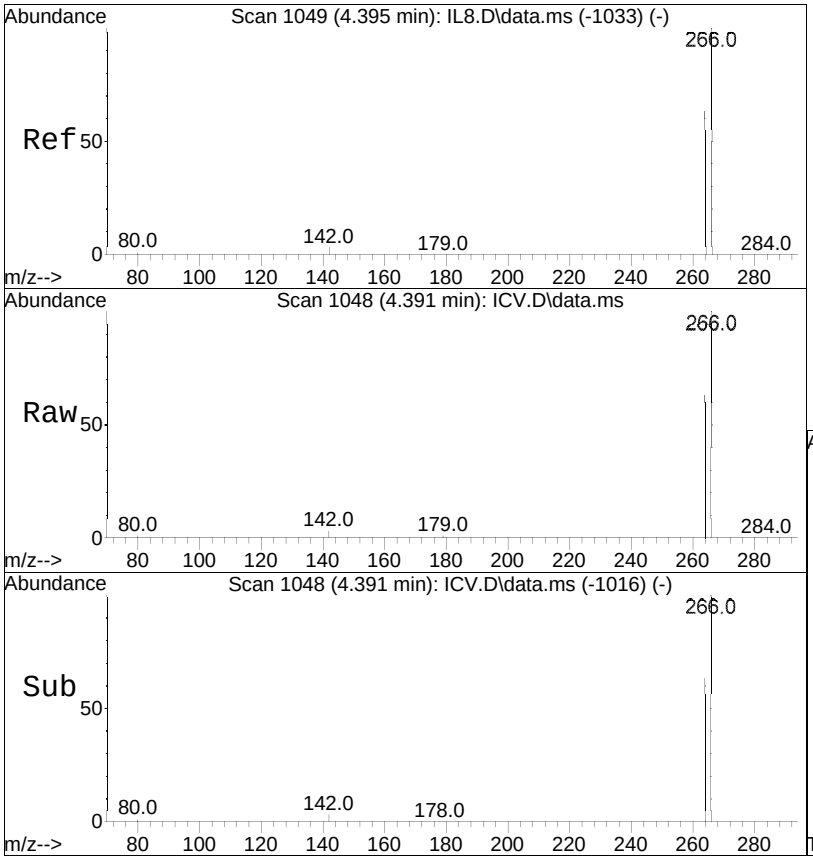


#24
Hexachlorobenzene
Concen: 896.96 ng/ml
RT: 4.280 min Scan# 1001
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:284 Resp: 44697

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.2	45.2

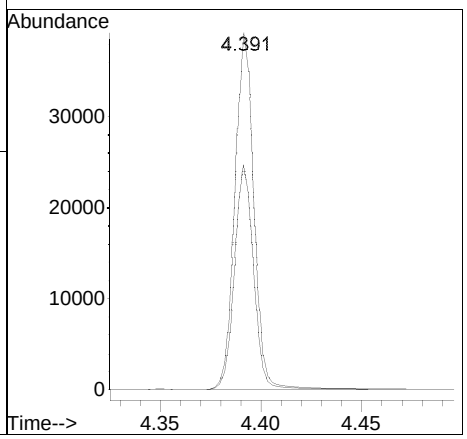


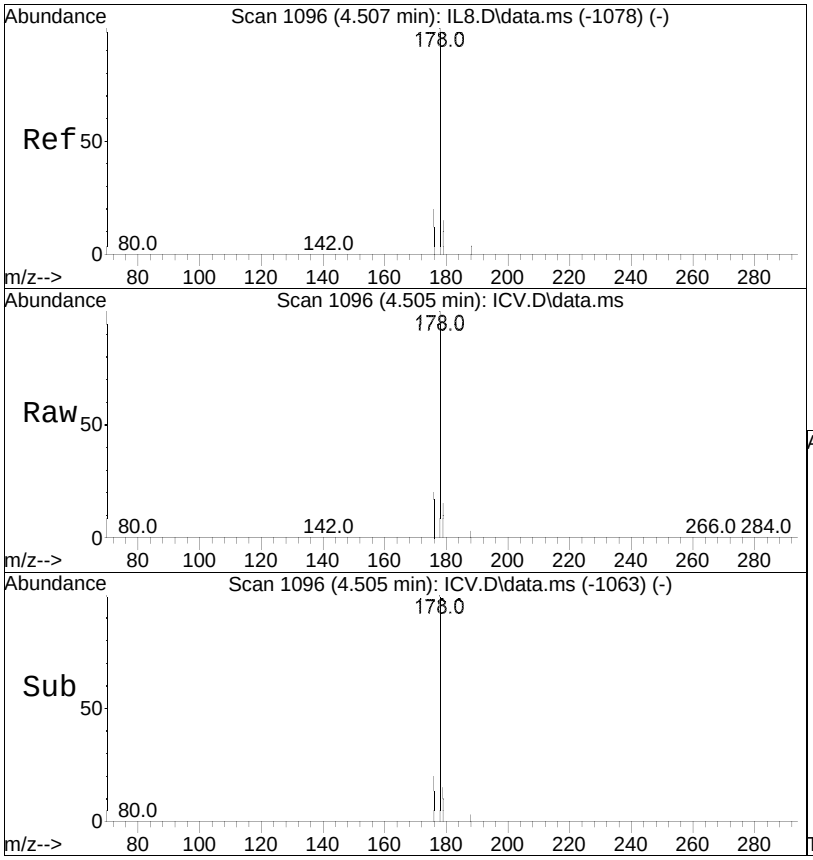


#25
Pentachlorophenol
Concen: 941.66 ng/ml
RT: 4.391 min Scan# 1048
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:266 Resp: 25675

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.3	75.5

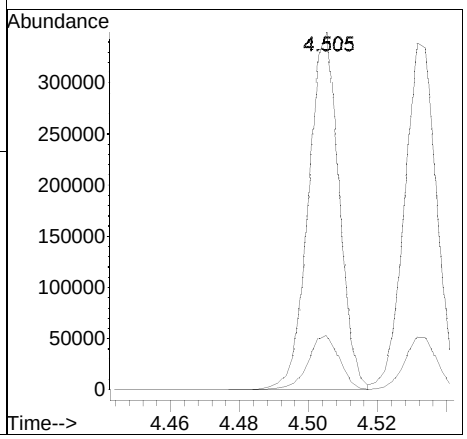


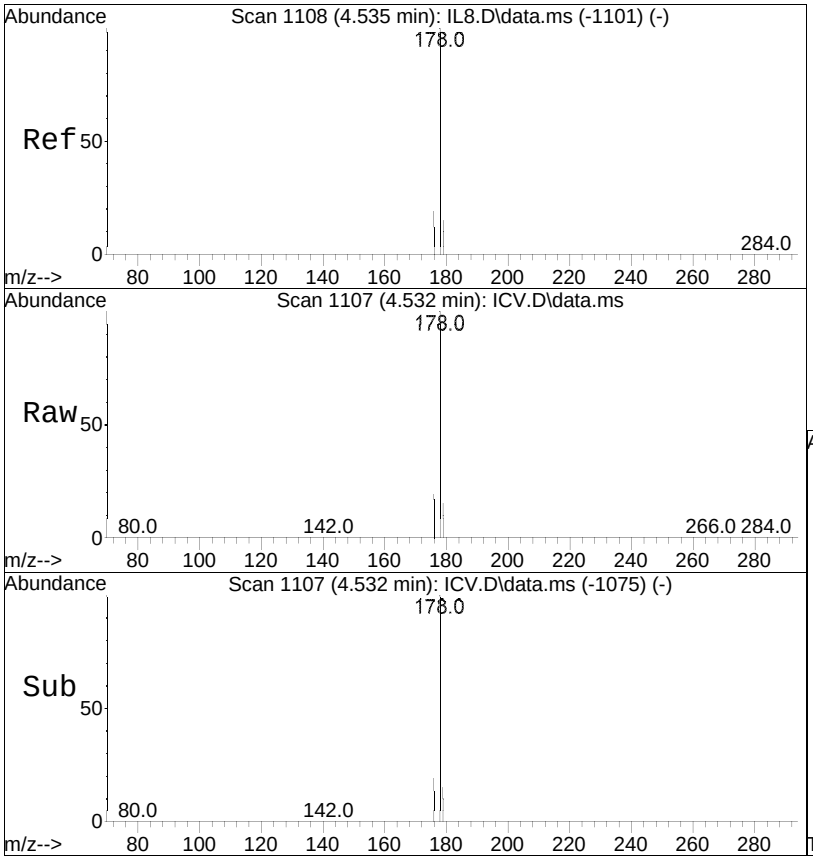


#26
Phenanthrene
Concen: 958.72 ng/ml
RT: 4.505 min Scan# 1096
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:178 Resp: 215532

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

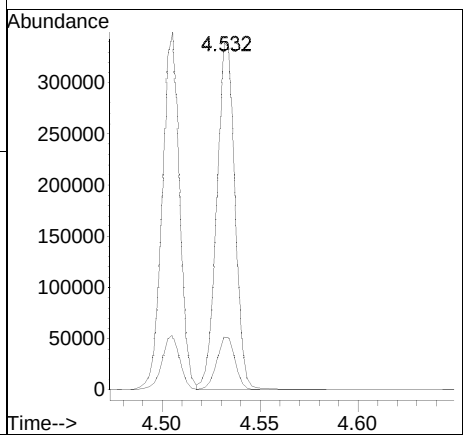


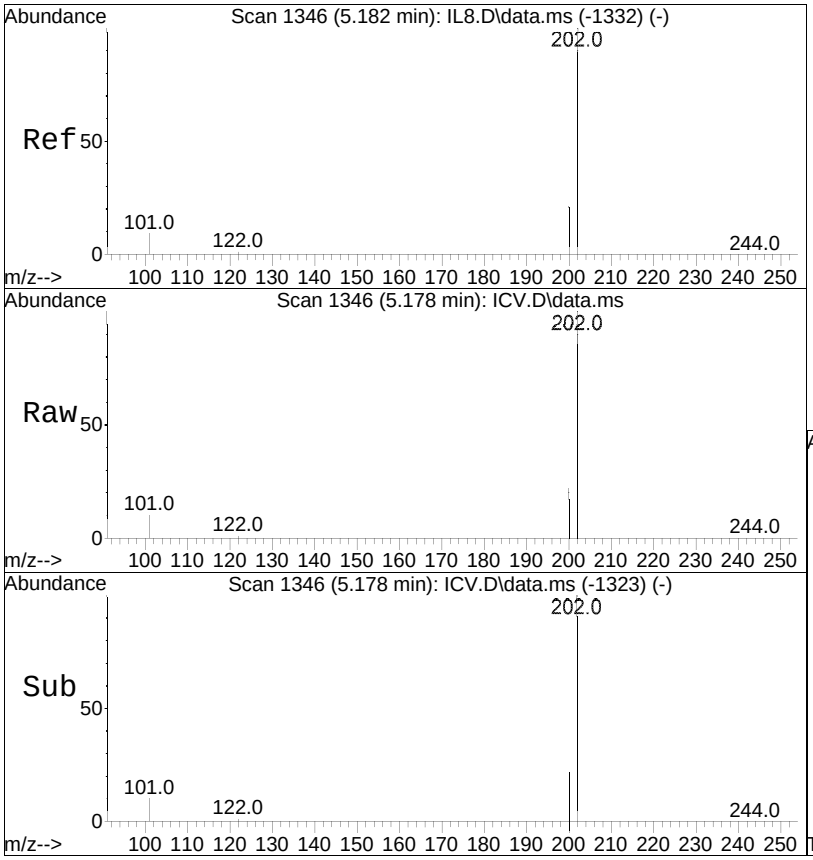


#27
Anthracene
Concen: 942.74 ng/ml
RT: 4.532 min Scan# 1107
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:178 Resp: 219278

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

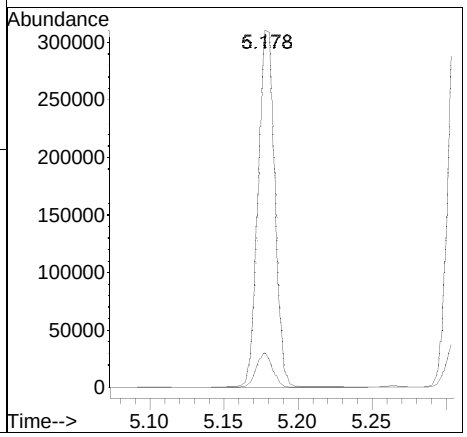


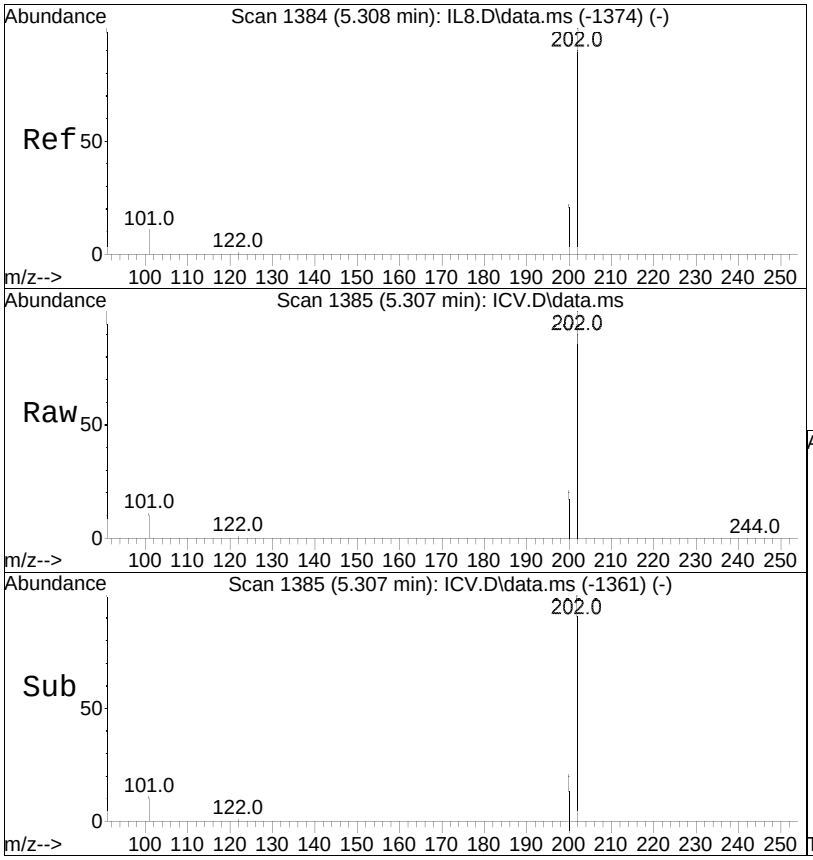


#28
Fluoranthene
Concen: 947.13 ng/ml
RT: 5.178 min Scan# 1346
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:202 Resp: 245243

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.8	11.6

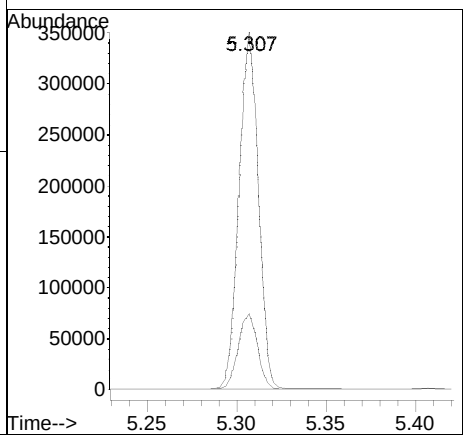


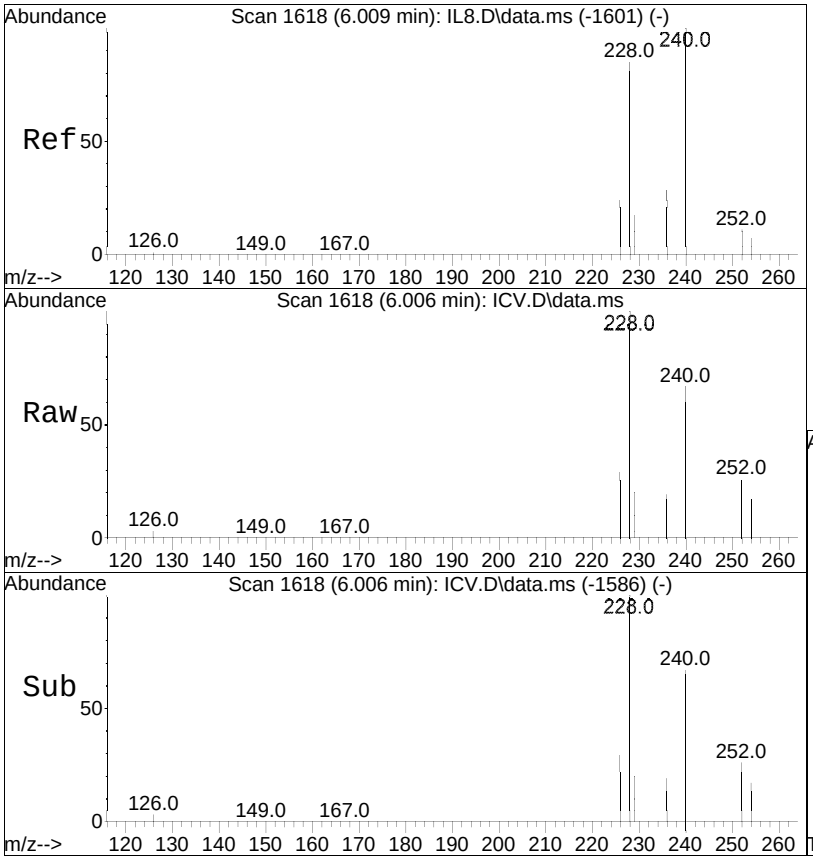


#29
Pyrene
Concen: 973.28 ng/ml
RT: 5.307 min Scan# 1385
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:202 Resp: 259868

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.5	26.3

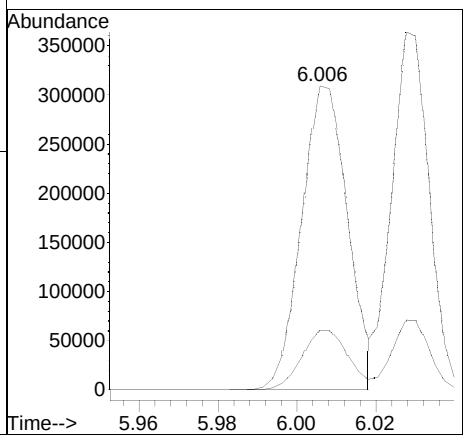


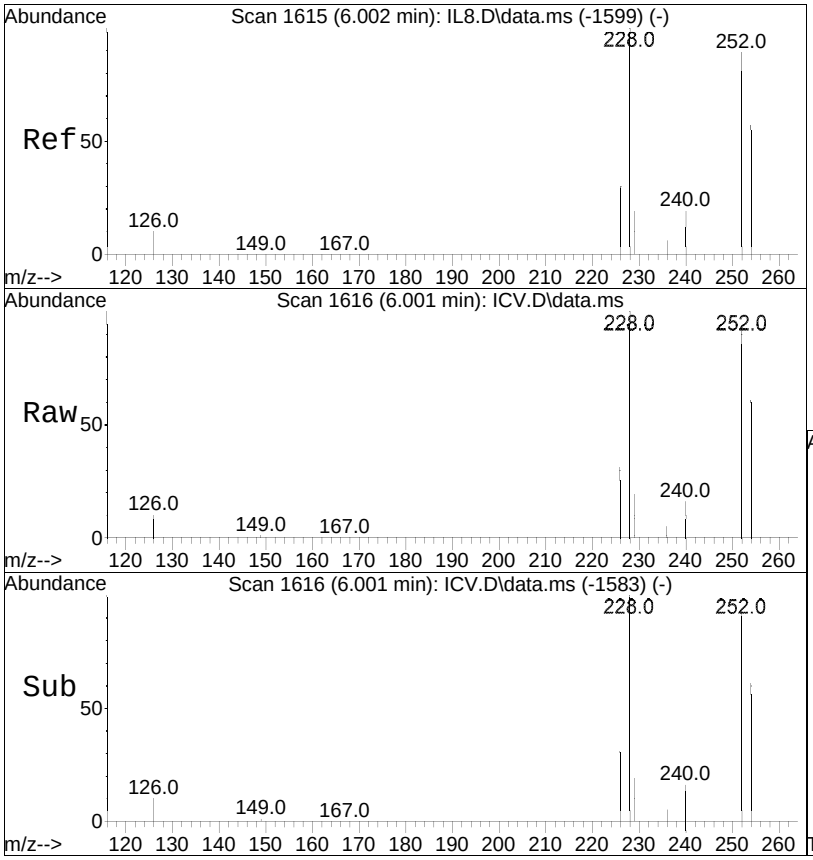


#32
Benzo[a]anthracene
Concen: 931.40 ng/ml
RT: 6.006 min Scan# 1618
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:228 Resp: 251011

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

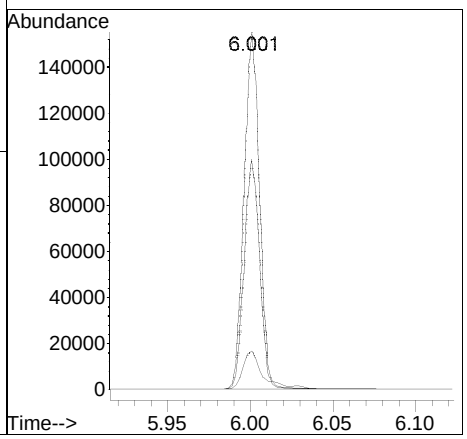


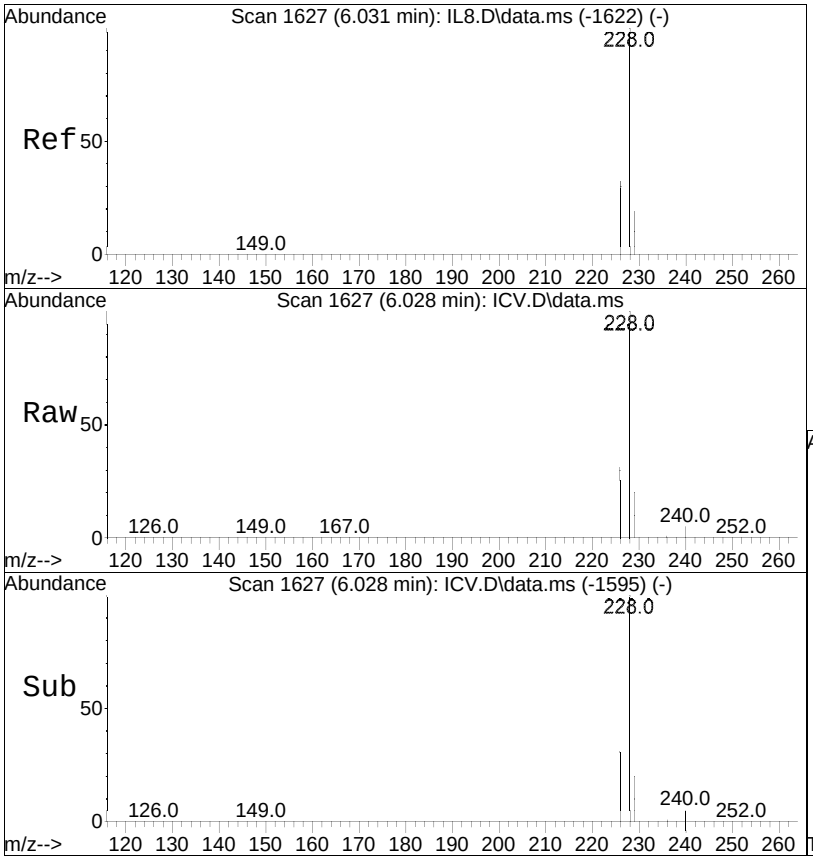


#33
3,3'-Dichlorobenzidine
Concen: 1045.05 ng/ml
RT: 6.001 min Scan# 1616
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 99042

Ion	Ratio	Lower	Upper
252	100		
126	13.3	10.9	16.3
254	64.4	51.4	77.2

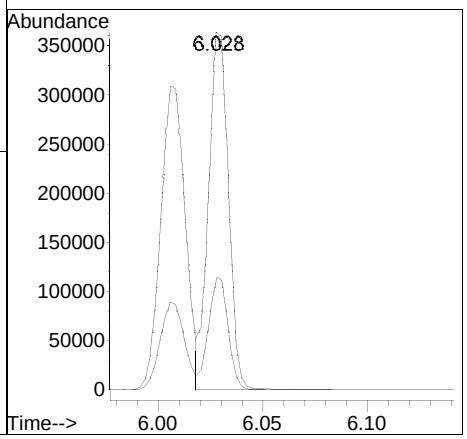


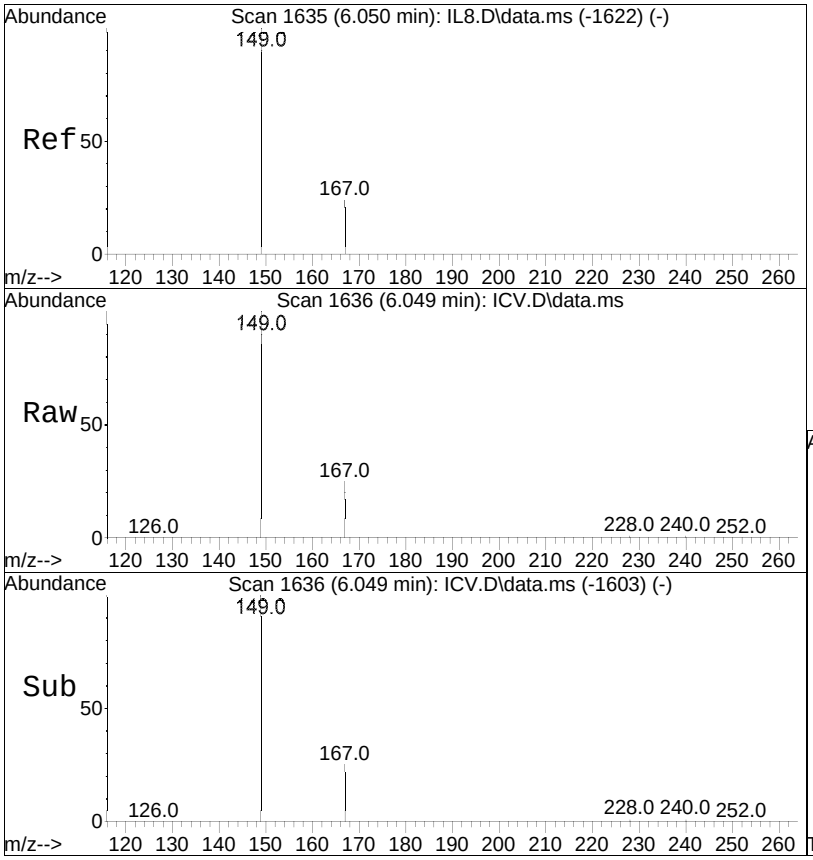


#34
Chrysene
Concen: 1032.57 ng/ml
RT: 6.028 min Scan# 1627
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:228 Resp: 239672

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3

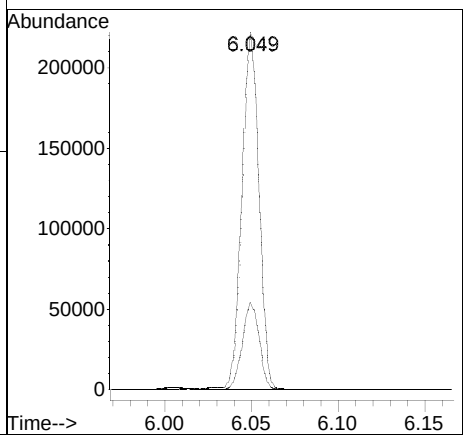


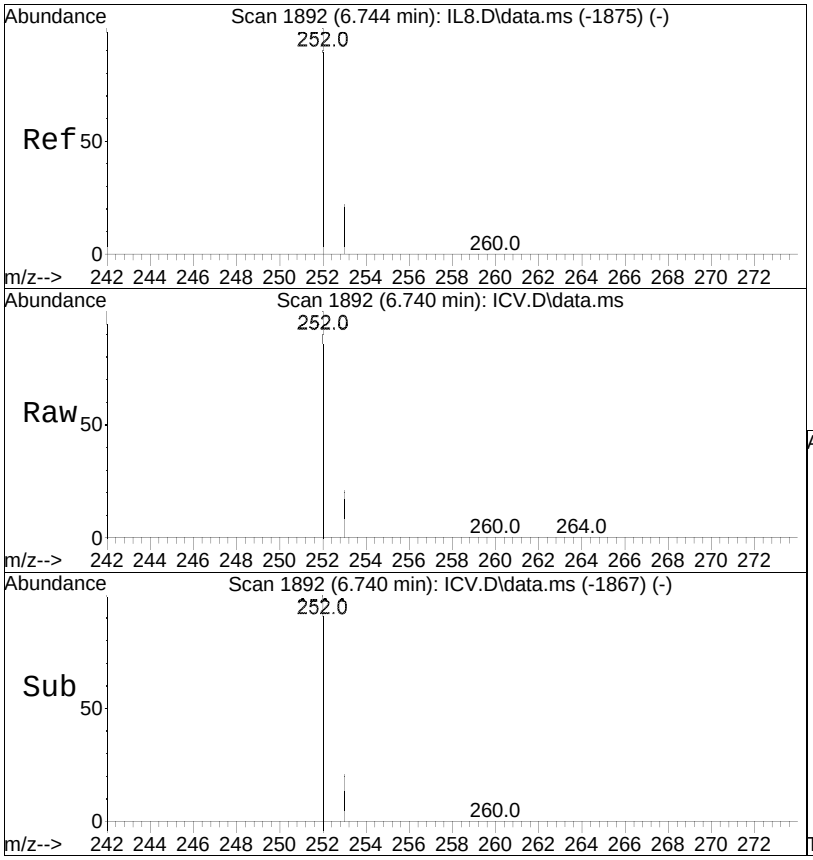


#35
Bis(2-ethylhexyl)phthalate
Concen: 957.74 ng/ml
RT: 6.049 min Scan# 1636
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:149 Resp: 148592

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.6	29.4

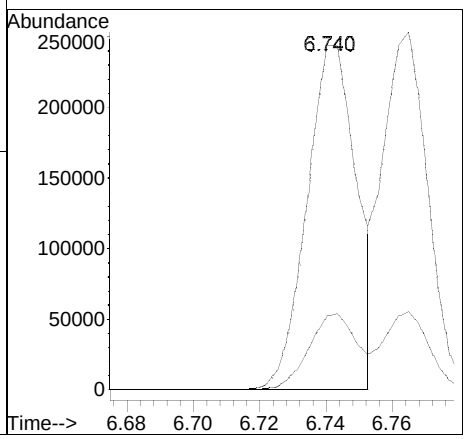


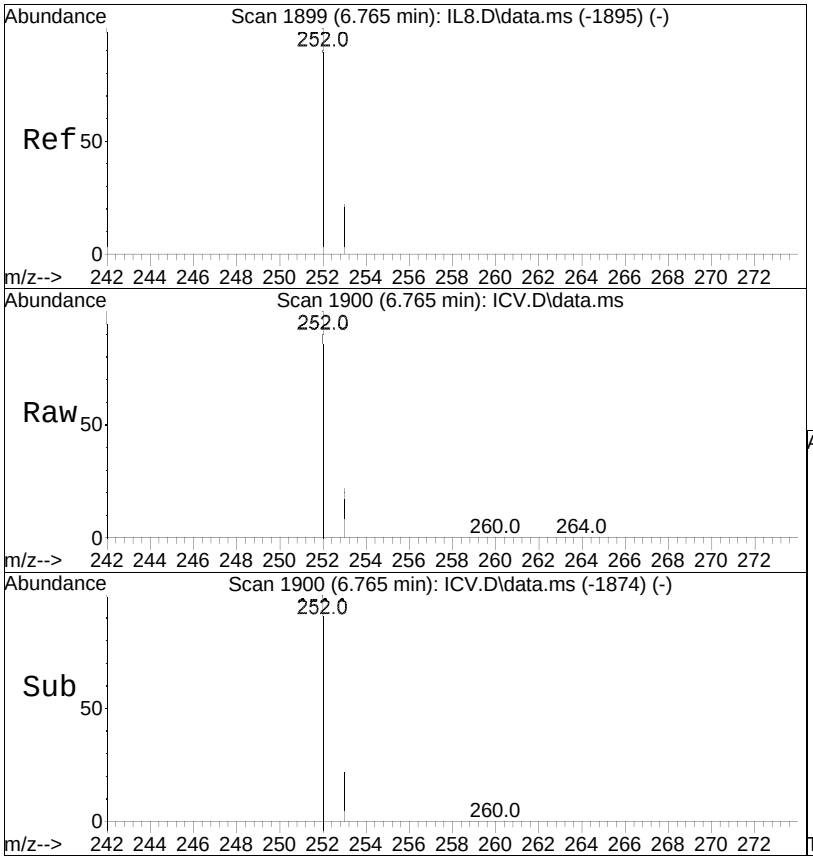


#37
Benzo[b]fluoranthene
Concen: 926.83 ng/ml
RT: 6.740 min Scan# 1892
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 255448

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

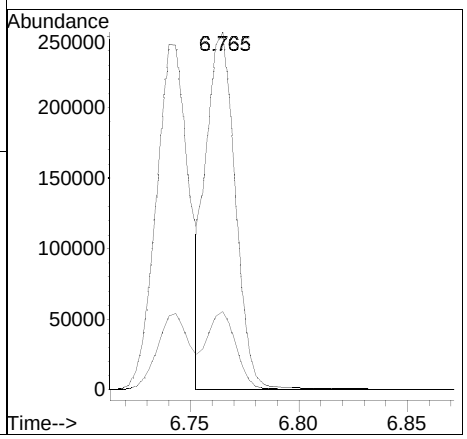


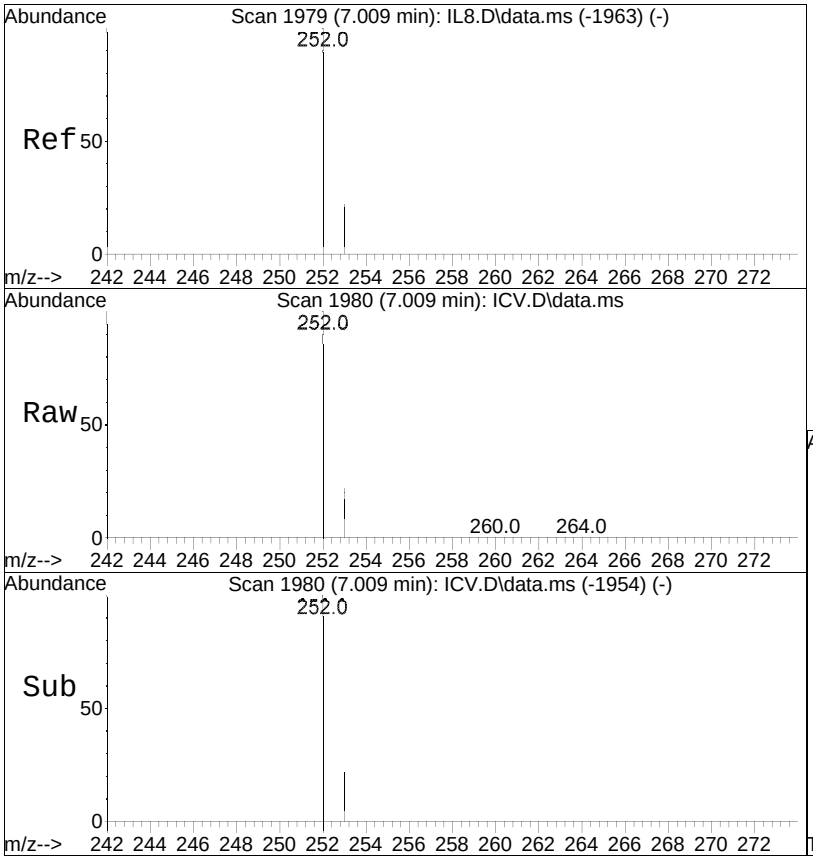


#38
Benzo[k]fluoranthene
Concen: 955.33 ng/ml
RT: 6.765 min Scan# 1900
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 236705

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

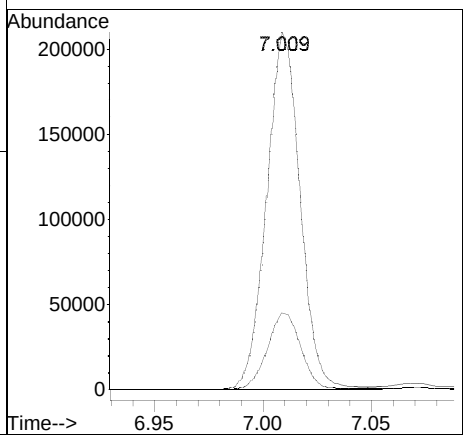


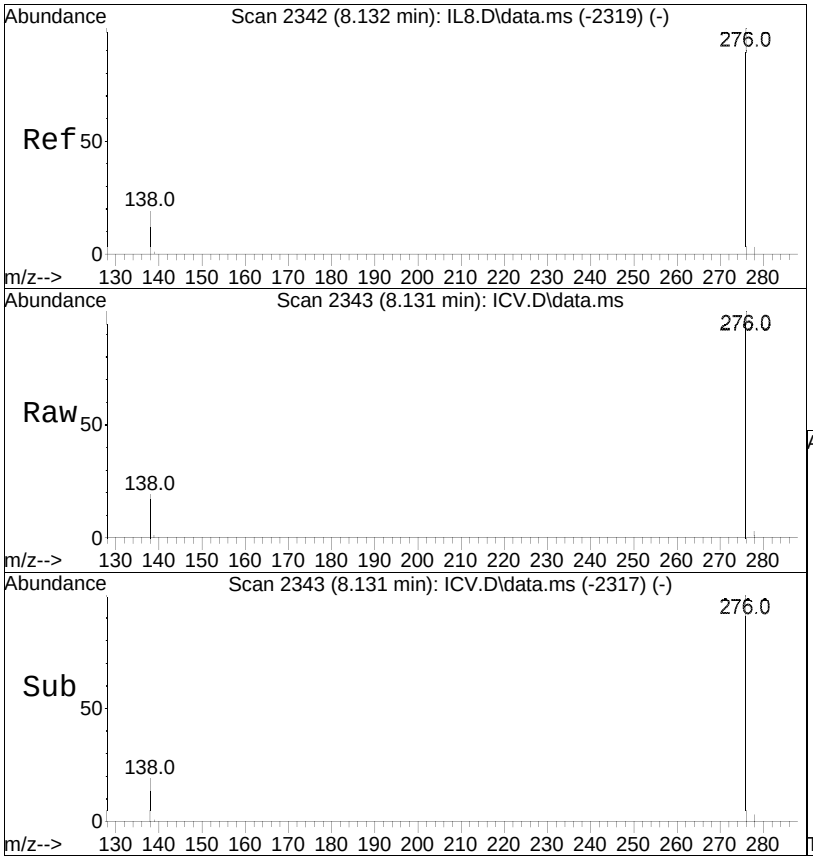


#39
Benzo[a]pyrene
Concen: 987.52 ng/ml
RT: 7.009 min Scan# 1980
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 222935

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

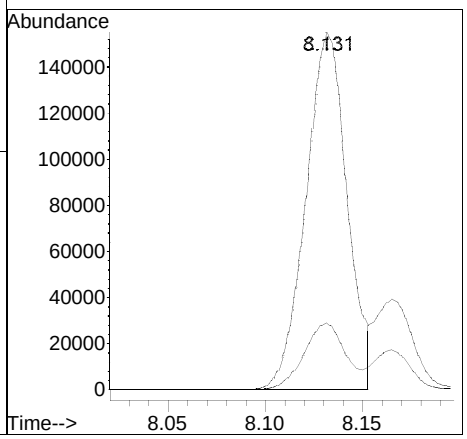


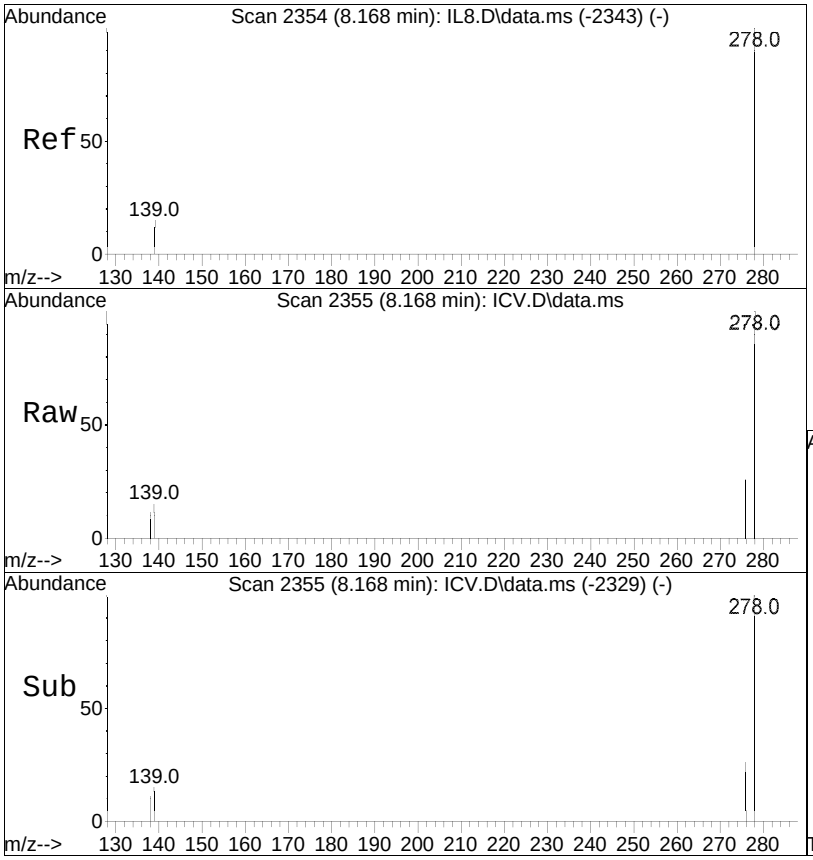


#40
Indeno[1,2,3-cd]pyrene
Concen: 980.82 ng/ml
RT: 8.131 min Scan# 2343
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:276 Resp: 226414

Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.4	23.0

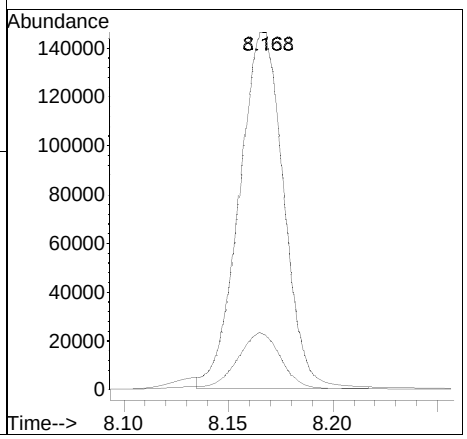


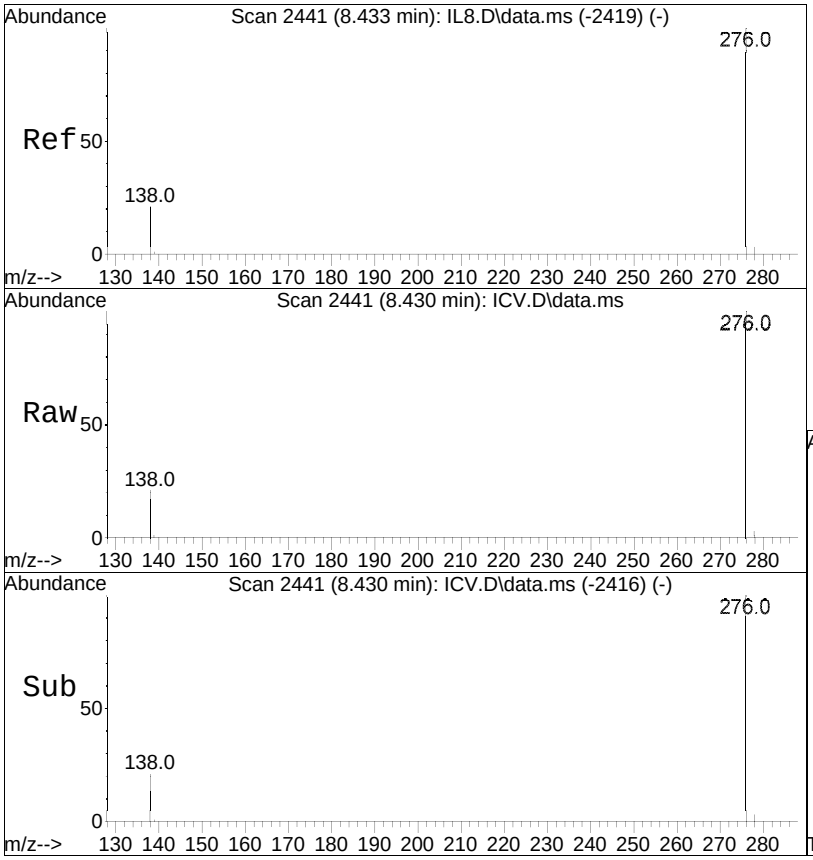


#41
Dibenzo[a,h]anthracene
Concen: 987.98 ng/ml M6
RT: 8.168 min Scan# 2355
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:278 Resp: 214255

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.6

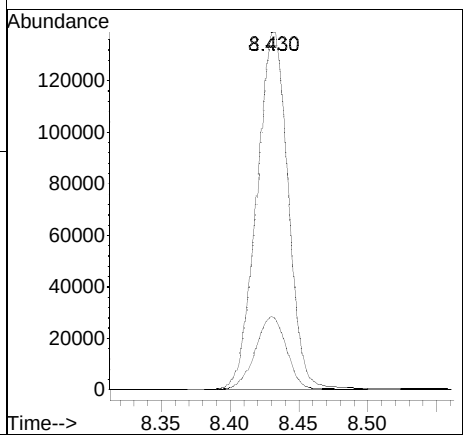




#42
Benzo[g,h,i]perylene
Concen: 971.22 ng/ml
RT: 8.430 min Scan# 2441
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:276 Resp: 217730

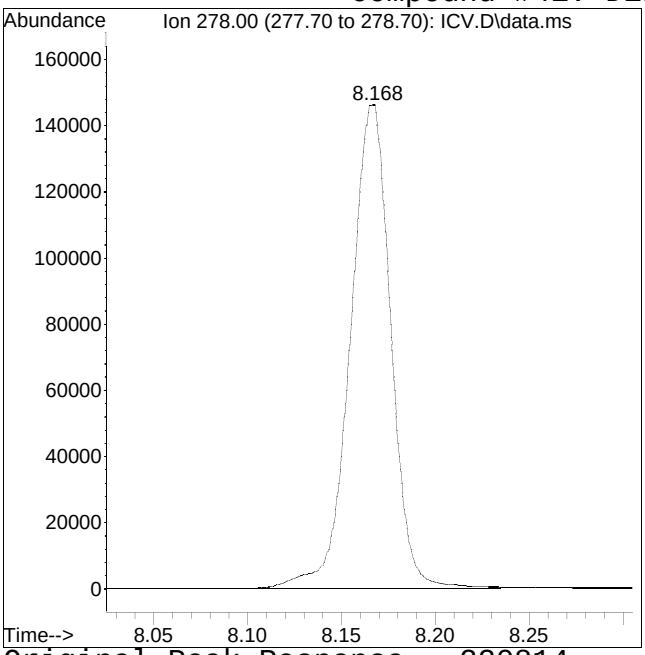
Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.6	25.0



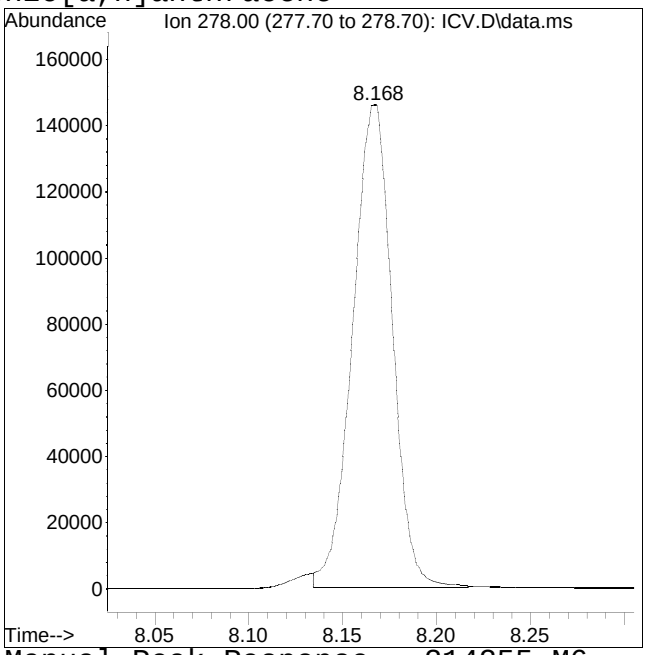
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : ICV.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 10:13 am Instrument : SV120
Sample : CQICV,32,,1000.0ng/mL lot Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 220814



Manual Peak Response = 214255 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV120

Method Path : I:\8270SIM\sv120\241105RVTical\
Method File : SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4 T	Bis(2-chloroethyl)ether	Q	ng/ml	1000.0	962.445	-3.8	10.00	6.181	-38.2
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	936.853	-6.3	40.00	44.211	10.5
25 T	Pentachlorophenol	Q	ng/ml	1000.0	978.234	-2.2	10.00	13.695	37.0
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	981.668	-1.8	1.00	0.947	-5.3

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4 T	Bis(2-chloroethyl)ether	Quadratic	0.994894	-0.125863	1.25758	0.00100738
23 T	4,6-Dinitro-o-cresol	Linear	0.998300	0.000000	0.120923	-0.000655188
25 T	Pentachlorophenol	Quadratic	0.996532	0.018734	0.112024	-0.000194831
32 T	Benzo[a]anthracene	Linear	0.999284	0.000000	1.21688	0.0029462

Response Factor Report SV125

Method Path : I:\8270SIM\SV125\241105nRVTical\
Method File : SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Nov 06 17:36:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

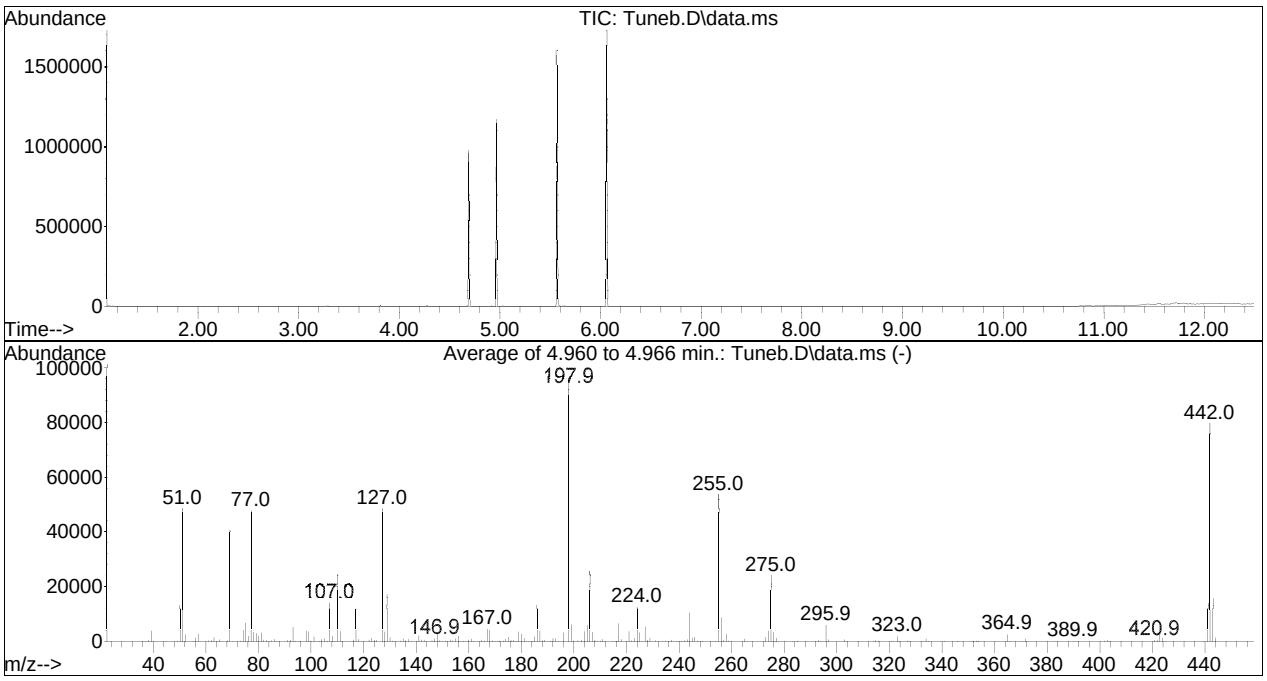
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	ISTD												
2)	s	2-Fluorophenol		1.171	1.079	1.033	1.039	1.272	1.059	1.047	1.013	0.960	1.075	8.64	
3)	s	Phenol-d6		1.708	1.432	1.229	1.242	1.546	1.278	1.301	1.272	1.234	1.360	12.35	
4)	T	bis(2-Chloroethyl)ether				1.155	1.133	1.826	1.149	1.054	1.084	1.022		*Q	0.9951
5)	T	n-Nitrosodi-n-propylamine			0.761	0.701	0.714	0.902	0.757	0.802	0.793	0.767	0.775	8.00	
6)	t	Hexachloroethane			0.504	0.517	0.486	0.600	0.488	0.488	0.481	0.458	0.503	8.54	
7)	s	Nitrobenzene-d5		1.100	1.092	1.096	1.092	1.402	1.156	1.192	1.164	1.128	1.158	8.49	
8)	i	Naphthalene-d8	ISTD												
9)	t	Naphthalene		1.272	1.069	1.068	1.040	1.284	1.023	1.035	0.980	0.895	1.074	11.86	
10)	t	Hexachlorobutadiene			0.226	0.214	0.216	0.266	0.214	0.215	0.210	0.197	0.220	9.35	
11)	t	2-Methylnaphthalene	0.777	0.747	0.717	0.691	0.705	0.871	0.697	0.715	0.683	0.638	0.724	8.78	
12)	t	1-Methylnaphthalene	0.741	0.717	0.654	0.656	0.657	0.804	0.648	0.661	0.633	0.595	0.677	8.94	
13)	s	2-Fluorobiphenyl		0.939	0.900	0.890	0.883	1.091	0.857	0.869	0.819	0.760	0.890	10.24	
14)	t	2-Chloronaphthalene		0.800	0.758	0.726	0.737	0.923	0.734	0.753	0.717	0.677	0.758	9.23	
15)	t	2,6-Dinitrotoluene					0.138	0.183	0.167	0.184	0.184	0.183	0.173	10.65	
16)	t	Acenaphthylene	1.122	1.085	1.013	0.982	1.001	1.283	1.076	1.124	1.078	1.001	1.076	8.28	
17)	i	Acenaphthene-d10	ISTD												
18)	t	Acenaphthene	1.423	1.406	1.284	1.233	1.244	1.541	1.237	1.229	1.200	1.096	1.289	10.07	
19)	t	2,4-Dinitrotoluene					0.270	0.395	0.381	0.401	0.409	0.402	0.376	14.12	
20)	t	Fluorene	1.601	1.513	1.385	1.382	1.343	1.696	1.397	1.381	1.322	1.214	1.423	9.94	
21)	s	2,4,6-Tribromophenol		0.191	0.167	0.168	0.184	0.262	0.238	0.246	0.251	0.246	0.217	17.86	
22)	i	Phenanthrene-d10	ISTD												
23)	T	4,6-Dinitro-o-cresol						0.064	0.101	0.106	0.123	0.128	0.126	*L	0.9990
24)	t	Hexachlorobenzene		0.289	0.252	0.245	0.251	0.311	0.250	0.250	0.240	0.221	0.256	10.48	
25)	t	Pentachlorophenol				0.037	0.057	0.077	0.103	0.134	0.154			*Q	0.9973
26)	t	Phenanthrene	1.231	1.248	1.107	1.110	1.054	1.333	1.058	1.055	0.989	0.869	1.105	12.24	
27)	t	Anthracene	1.193	1.129	1.055	0.962	1.005	1.277	1.056	1.073	1.009	0.884	1.064	10.67	
28)	t	Fluoranthene	1.489	1.364	1.244	1.164	1.189	1.535	1.258	1.253	1.171	1.029	1.270	12.14	
29)	t	Pyrene	1.686	1.439	1.291	1.221	1.231	1.586	1.325	1.322	1.228	1.090	1.342	13.46	
30)	s	4-Terphenyl-d14	1.150	1.028	0.897	0.846	0.864	1.101	0.888	0.881	0.819	0.749	0.922	13.91	
31)	i	Chrysene-d12	ISTD												
32)	t	Benzo[a]anthracene	1.366	0.746	0.380	0.235	0.144	0.157	0.127	0.127	0.125	0.116		*L	0.9982
33)	t	3,3'-Dichlorobenzidine					0.348	0.479	0.439	0.485	0.480	0.460	0.448	11.61	
34)	t	Chrysene	0.886	0.993	1.006	1.148	1.182	1.489	1.241	1.215	1.144	1.018	1.132	14.96	
35)	T	bis(2-Ethylhexyl)phthalate					0.487	0.643	0.625	0.688	0.740	0.704	0.648	13.76	
36)	i	Perylene-d12	ISTD												
37)	t	Benzo[b]fluora...	1.148	1.122	1.089	0.975	1.018	1.341	1.160	1.136	1.085	1.057	1.113	8.92	
38)	t	Benzo[k]fluora...	0.995	0.924	0.940	0.969	0.932	1.245	1.054	1.059	1.090	0.963	1.017	9.71	
39)	t	Benzo[a]pyrene	0.973	0.847	0.828	0.796	0.816	1.090	0.958	0.984	0.996	0.944	0.923	10.42	
40)	t	Indeno[1,2,3-c...	1.020	0.918	0.899	0.852	0.860	1.162	1.011	1.039	1.057	1.097	0.991	10.56	
41)	t	Dibenzo[a,h]anthracene	0.831	0.841	0.815	0.785	0.807	1.108	0.964	0.970	1.015	0.996	0.913	12.11	
42)	t	Benzo[g,h,i]pe...	1.009	0.923	0.859	0.836	0.860	1.133	0.991	0.991	1.016	1.015	0.963	9.62	

(#) = Out of Range

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Nov 06 17:36:22 2024



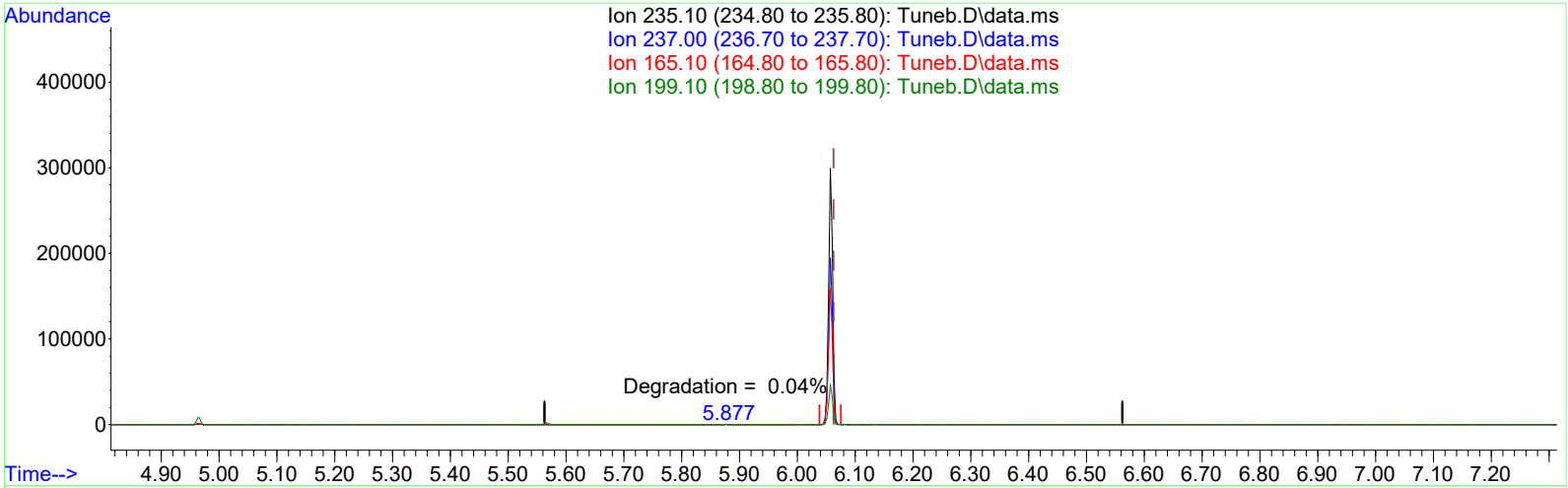
Spectrum Information: Average of 4.960 to 4.966 min.

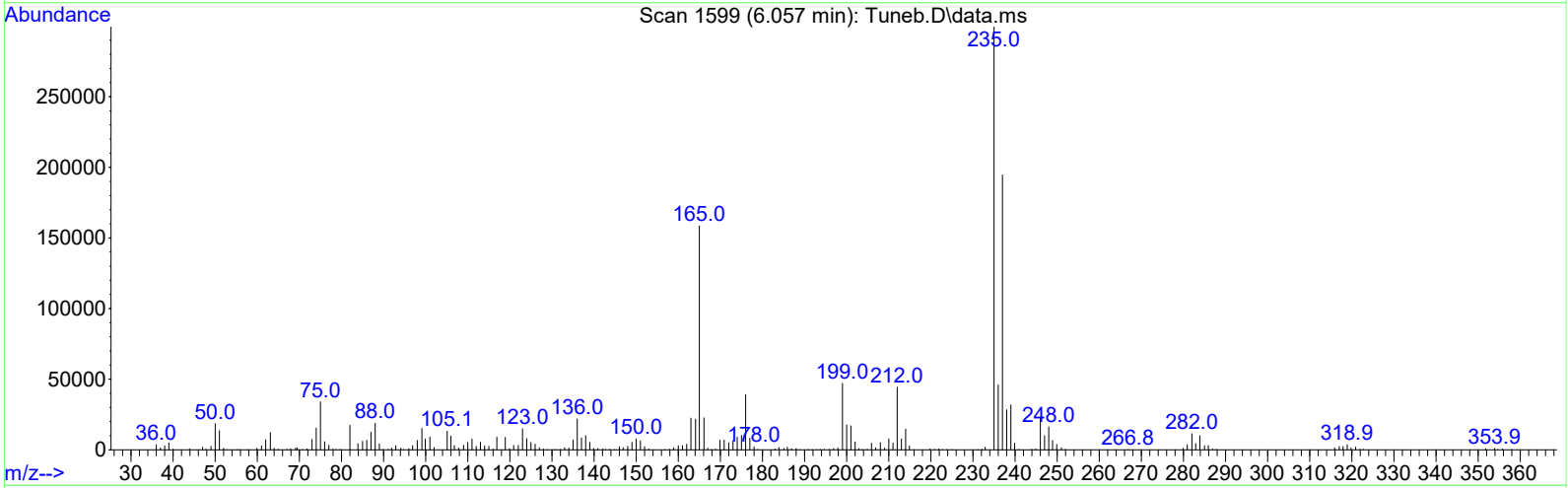
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	50.3	48540	PASS
68	69	0.00	2	1.5	598	PASS
69	69	100	100	100.0	40499	PASS
70	69	0.00	2	0.6	248	PASS
127	198	10	80	50.3	48472	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	96413	PASS
199	198	5	9	6.5	6268	PASS
275	198	10	60	24.8	23926	PASS
365	198	1	100	2.8	2706	PASS
441	442	0.01	24	17.6	14016	PASS
442	198	50	100	82.6	79661	PASS
443	442	15	24	19.4	15464	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 14:14:11 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: Tuneb.D\data.ms

(6) ddt (T)

6.057min (-0.006) 23.81

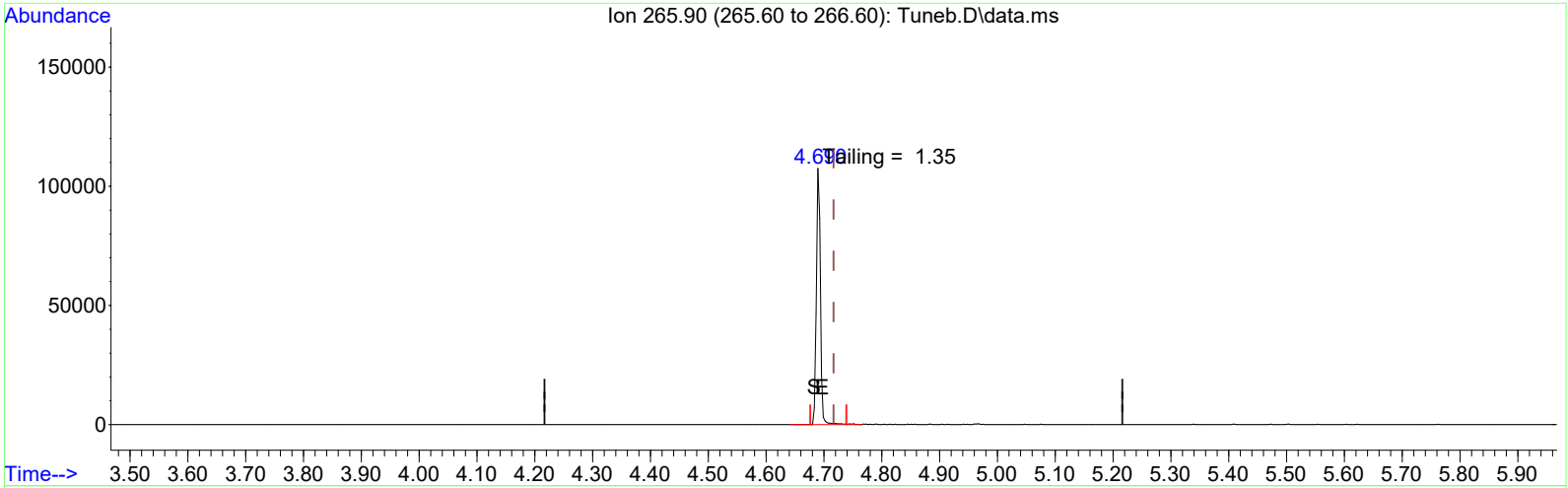
response 145112

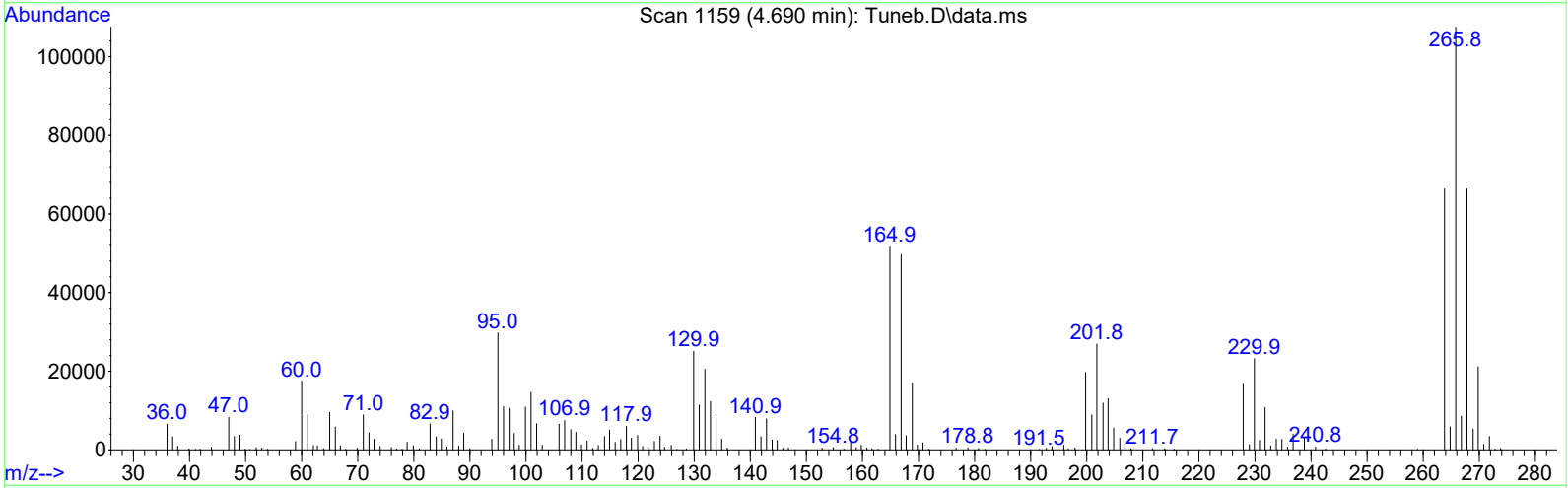
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.18
165.10	53.30	52.05
199.10	17.10	15.41

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 14:14:11 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: Tuneb.D\data.ms

(1) pentachlorophenol (T)

4.690min (-0.027) 24.74

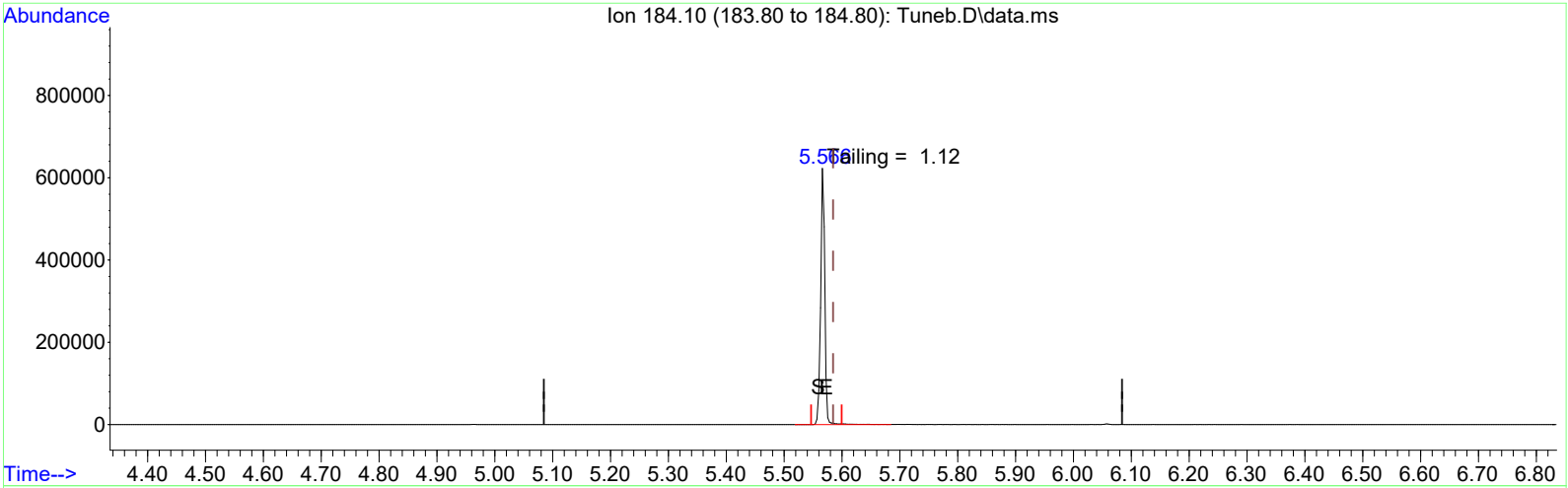
response 51971

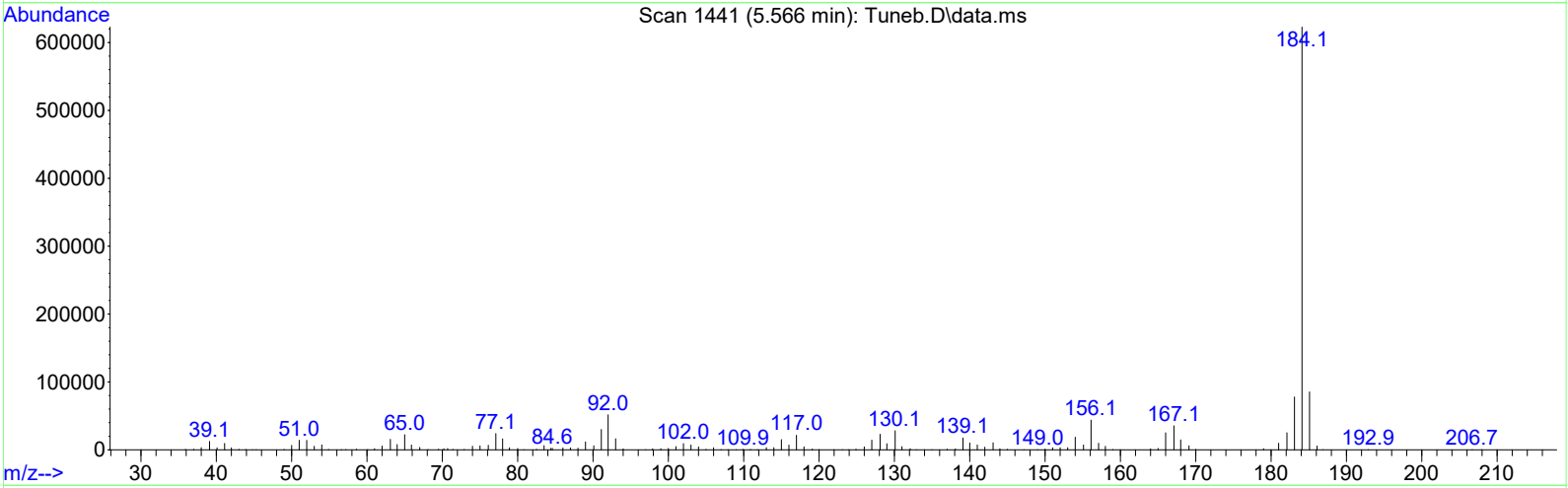
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 14:14:11 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: Tuneb.D\data.ms

(3) benzidine (T)

5.566min (-0.019) 30.05

response 305931

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 11:10 am
Operator : SV125:jjw
Sample : IL10,32,,5000.0 ng/ml #10885
Misc : WG1994329,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 17:56:24 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.315	152	631338	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 88.94%			
8) Naphthalene-d8	2.989	136	2264955	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 91.06%			
17) Acenaphthene-d10	3.973	164	1479203	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 92.76%			
22) Phenanthrene-d10	4.818	188	3149364	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 97.39%			
31) Chrysene-d12	6.425	240	3310593M3	4000.000	ng/ml	0.04
Standard Area 1 = 3410692			Recovery = 97.07%			
36) Perylene-d12	7.695	264	3842332M1	4000.000	ng/ml	0.04
Standard Area 1 = 3839395			Recovery = 100.08%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.718	112	757737	4466.775	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 223.34%#			
3) Phenol-d6	2.122	99	973853	4535.758	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 226.79%#			
7) Nitrobenzene-d5	2.600	82	890560	4871.876	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 487.19%#			
13) 2-Fluorobiphenyl	3.590	172	2150996	4269.105	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 426.91%#			
21) 2,4,6-Tribromophenol	4.419	330	455663	5679.607	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 283.98%#			
30) 4-Terphenyl-d14	5.749	244	2947618	4059.282	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 405.93%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.178	93	806530	5013.829	ng/ml	97
5) n-nitrosodi-n-propylamine	2.523	70	605496M6	4952.341	ng/ml	
6) Hexachloroethane	2.578	117	361613	4556.352	ng/ml	100
9) Naphthalene	3.000	128	2533833	4166.016	ng/ml	98
10) Hexachlorobutadiene	3.070	225	557380	4482.298	ng/ml	100
11) 2-Methylnaphthalene	3.379	142	1805801	4403.636	ng/ml	98
12) 1-Methylnaphthalene	3.438	142	1684670	4397.583	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	1918082	4466.338	ng/ml	97
15) 2,6-Dinitrotoluene	3.852	165	518704	5288.906	ng/ml	99
16) Acenaphthylene	3.891	152	2834784	4650.656	ng/ml	97
18) Acenaphthene	3.991	153	2026736	4250.752	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 11:10 am
Operator : SV125:jjw
Sample : IL10,32,,5000.0 ng/ml #10885
Misc : WG1994329,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 17:56:24 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.081	165	742453	5336.554	ng/ml	97
20) Fluorene	4.283	166	2245328	4265.482	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.314	198	497907	5010.439	ng/ml	99
24) Hexachlorobenzene	4.602	284	871032	4313.324	ng/ml	99
25) Pentachlorophenol	4.710	266	606506	4102.712	ng/ml	100
26) Phenanthrene	4.831	178	3420893	3930.333	ng/ml	96
27) Anthracene	4.860	178	3478125	4150.051	ng/ml	96
28) Fluoranthene	5.521	202	4050461	4051.853	ng/ml	96
29) Pyrene	5.659	202	4292147	4062.929	ng/ml	95
32) Benzo[a]anthracene	6.414	228	4807476M3	4826.567	ng/ml	
33) 3,3'-Dichlorobenzidine	6.400	252	1904295	5131.517	ng/ml	99
34) Chrysene	6.444	228	4211375M3	4494.078	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.430	149	2911936M3	5431.106	ng/ml	
37) Benzo[b]fluoranthene	7.305	252	5076125	4747.666	ng/ml	98
38) Benzo[k]fluoranthene	7.335	252	4625366	4733.688	ng/ml	96
39) Benzo[a]pyrene	7.631	252	4533020	5111.909	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.971	276	5266693	5530.205	ng/ml	98
41) Dibenzo[a,h]anthracene	9.007	278	4783000M6	5452.526	ng/ml	
42) Benzo[g,h,i]perylene	9.330	276	4876416	5269.973	ng/ml	99

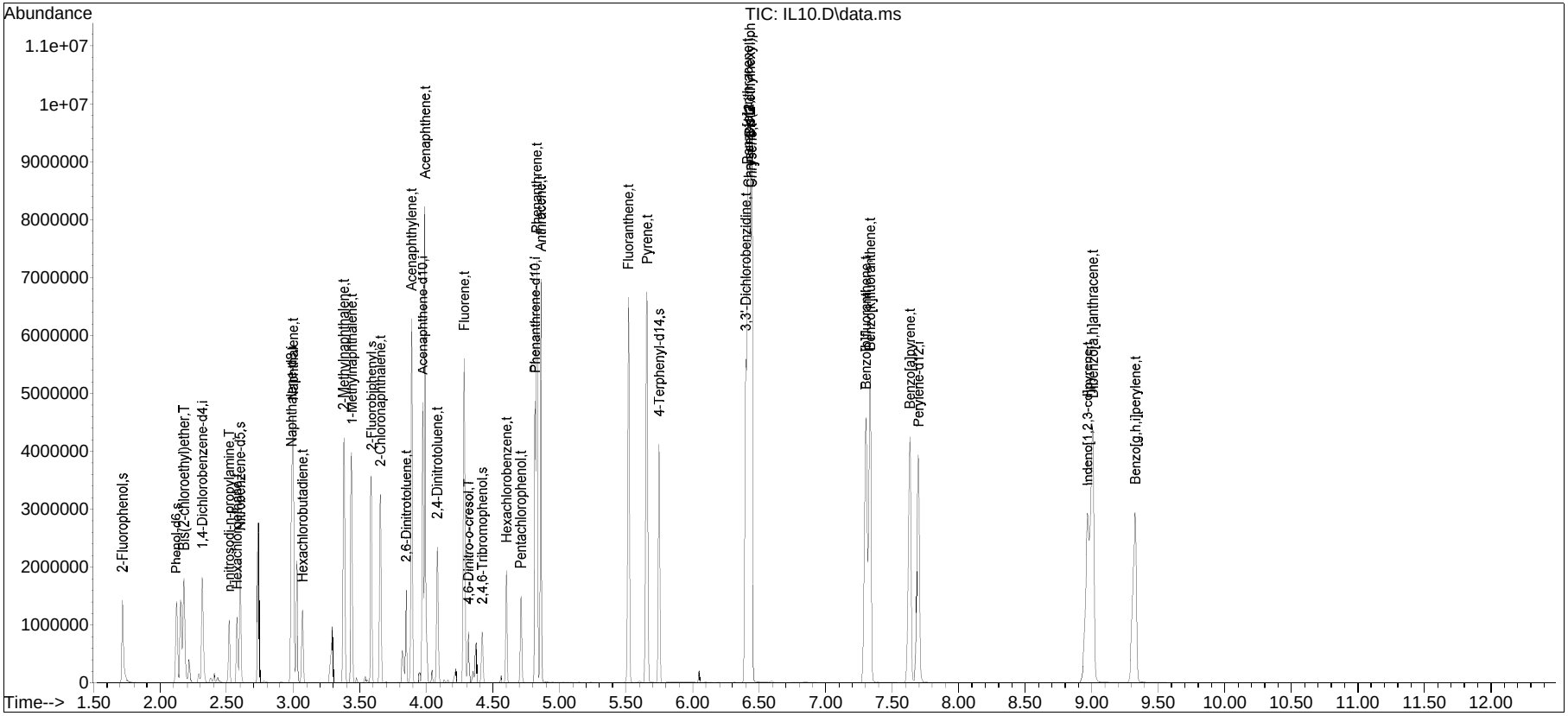
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 11:10 am
Operator : SV125:jjw
Sample : IL10,32,,5000.0 ng/ml #10885
Misc : WG1994329,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 17:56:24 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:56 2024
Response via : Initial Calibration

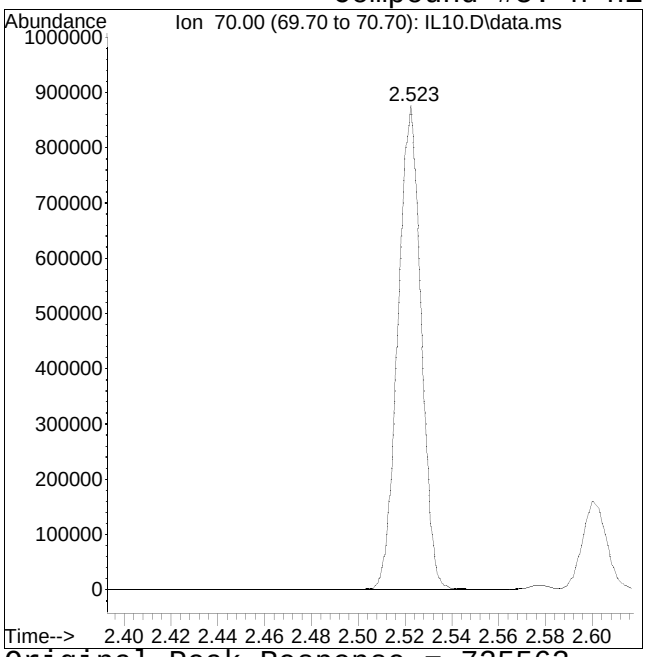
Sub List : Default - All compounds listedTical\IL8.D•



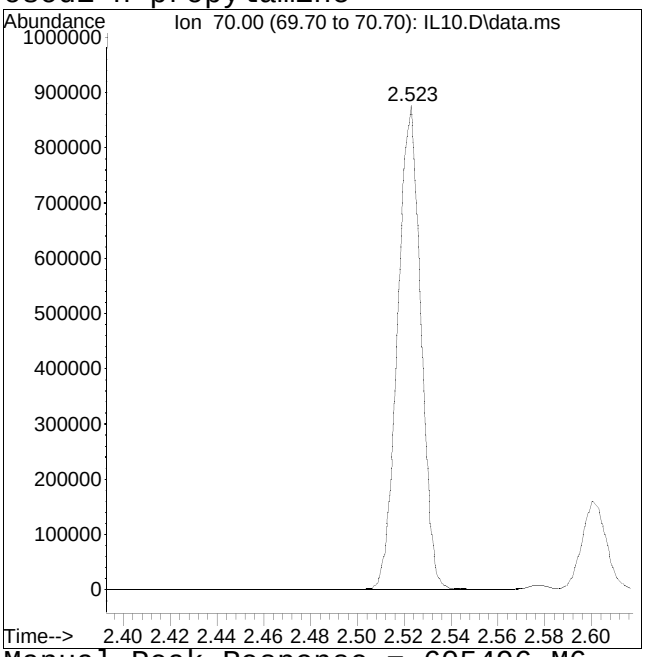
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 725563



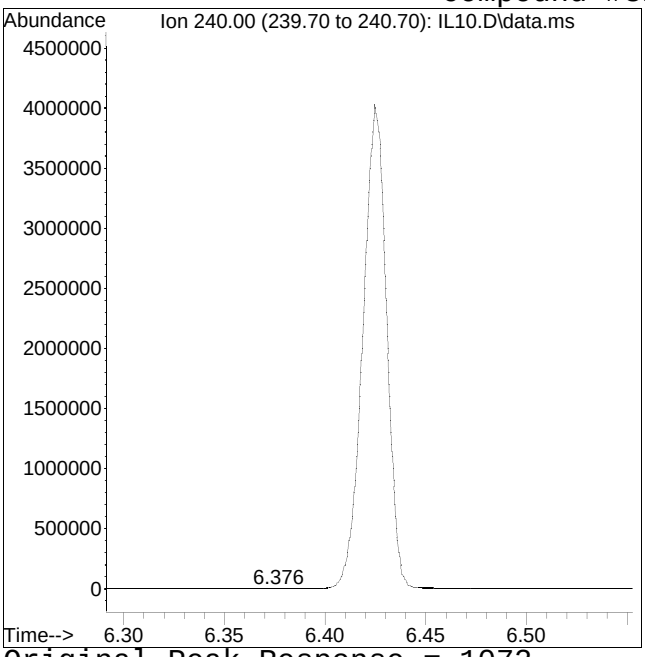
Manual Peak Response = 605496 M6

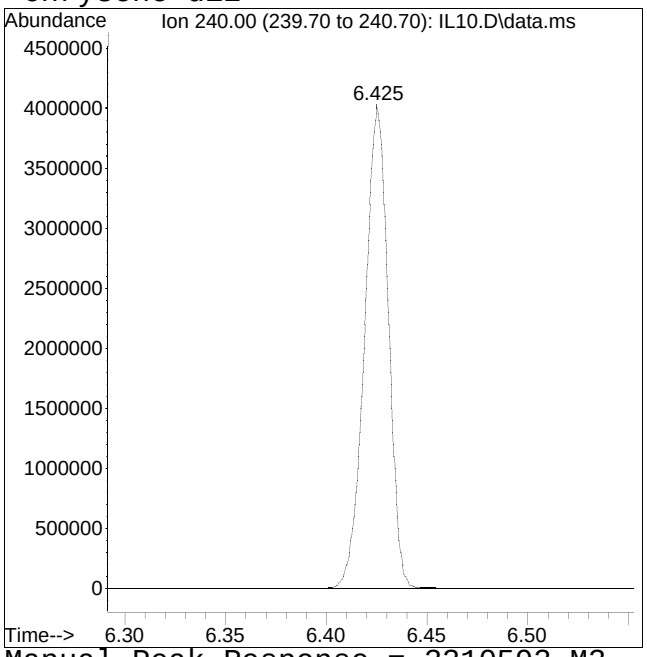
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #31: Chrysene-d12



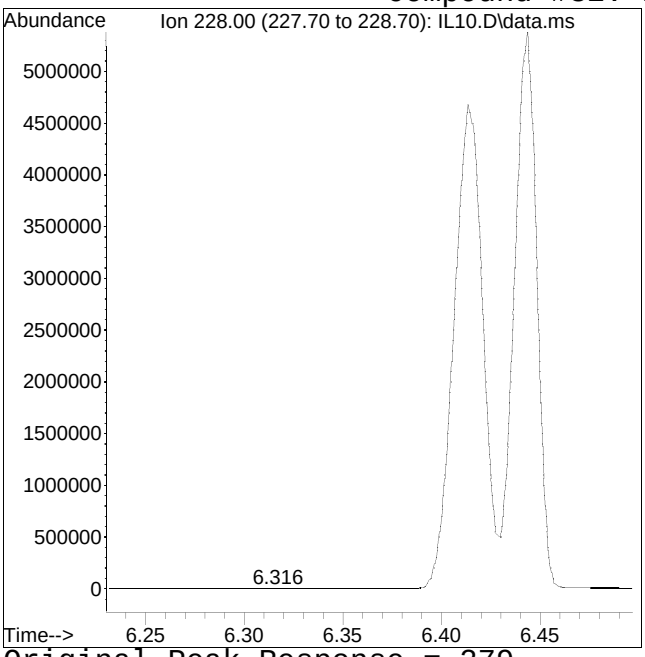


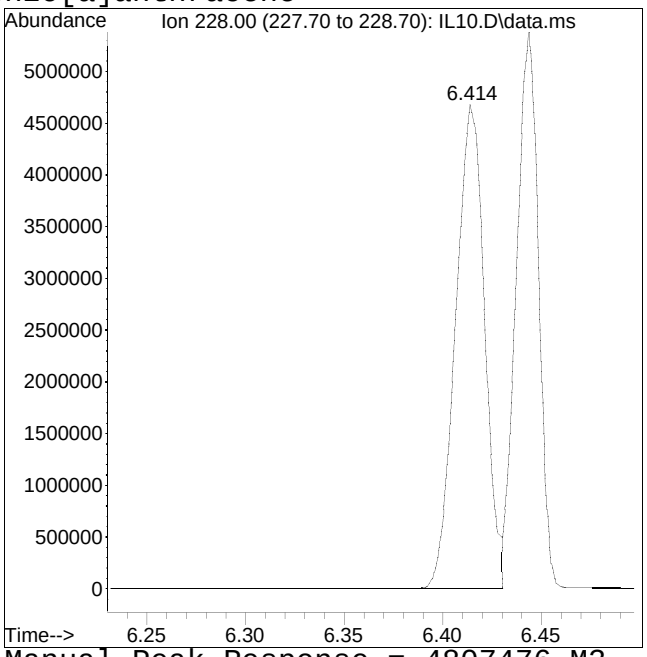
Original Peak Response = 1072 Manual Peak Response = 3310593 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #32: Benzo[a]anthracene



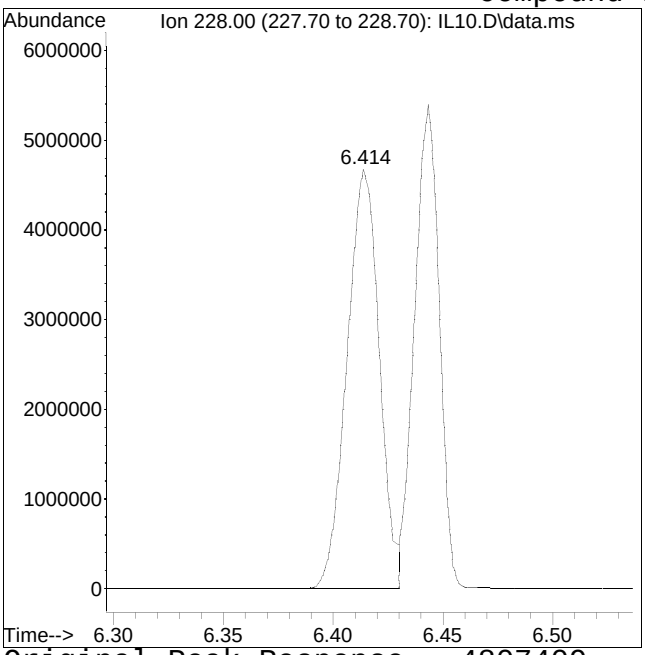


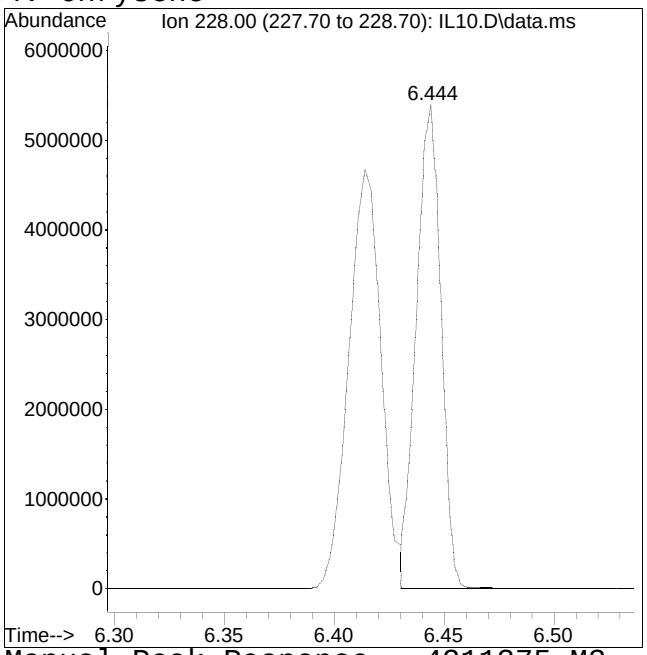
Original Peak Response = 279 Manual Peak Response = 4807476 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #34: Chrysene



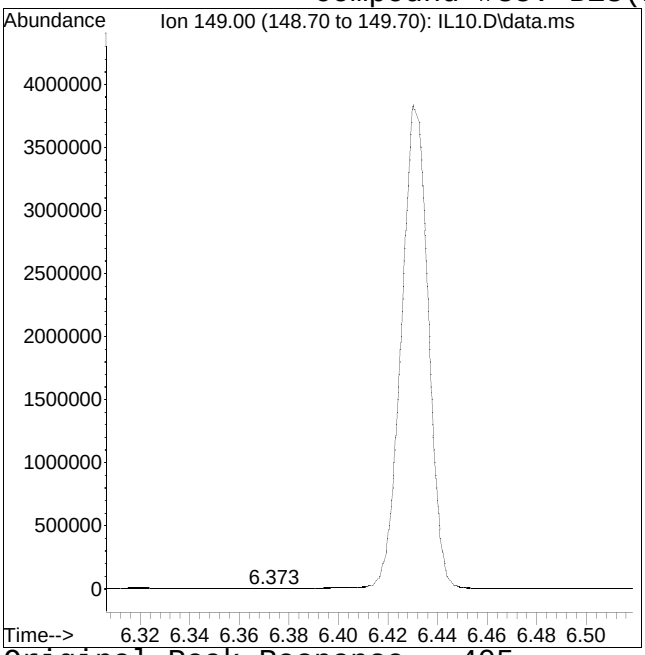


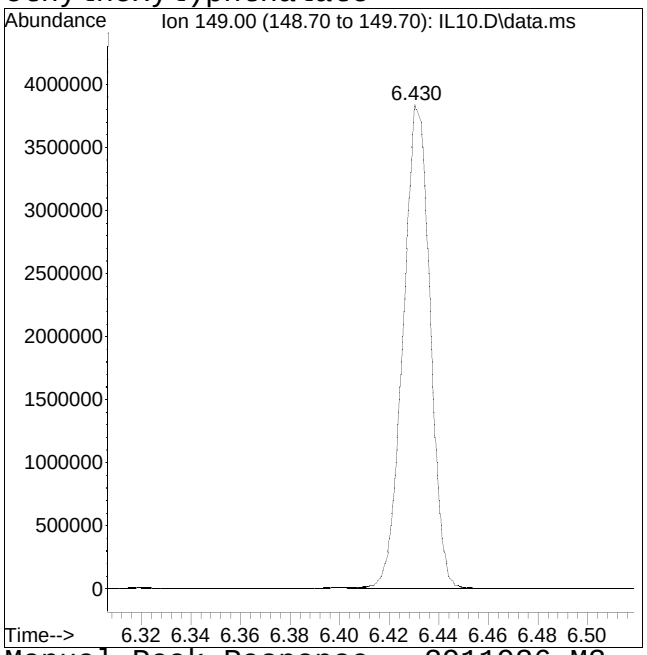
Original Peak Response = 4807409 Manual Peak Response = 4211375 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL10.D
Date Inj'd : 11/5/2024 11:10 am
Sample : IL10,32,,5000.0 ng/ml #108
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #35: Bis(2-ethylhexyl)phthalate





Original Peak Response = 405 Manual Peak Response = 2911936 M3

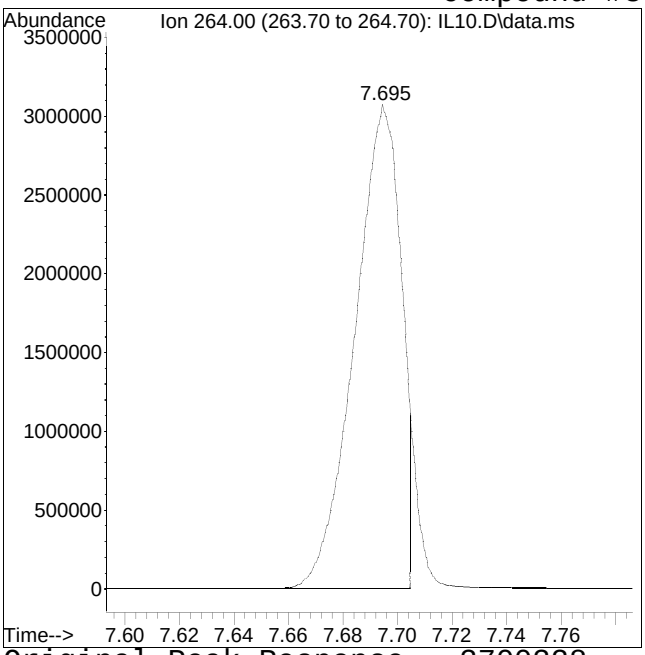
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

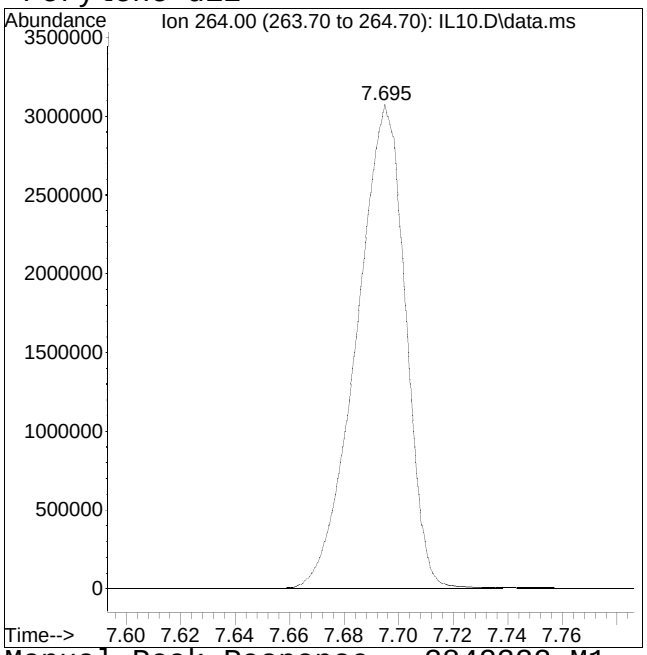
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL10.D
Date Inj'd : 11/5/2024 11:10 am
Sample : IL10,32,,5000.0 ng/ml #108

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #36: Perylene-d12





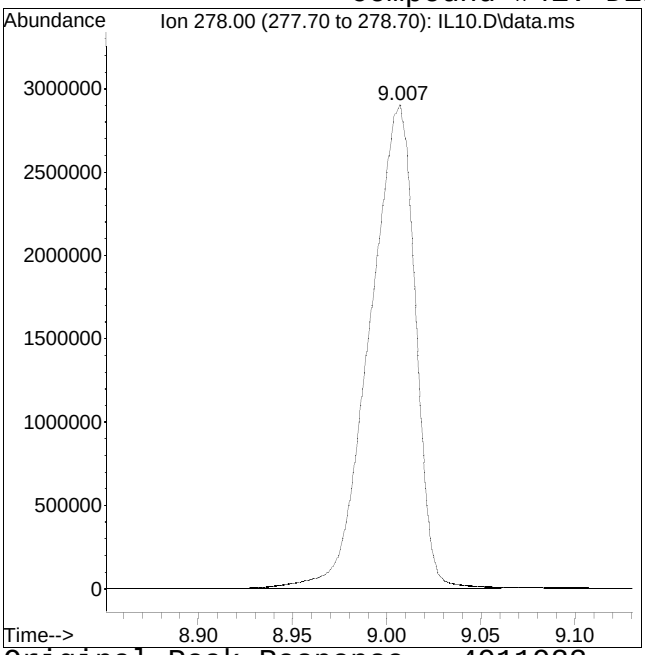
Original Peak Response = 3700328 Manual Peak Response = 3842332 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

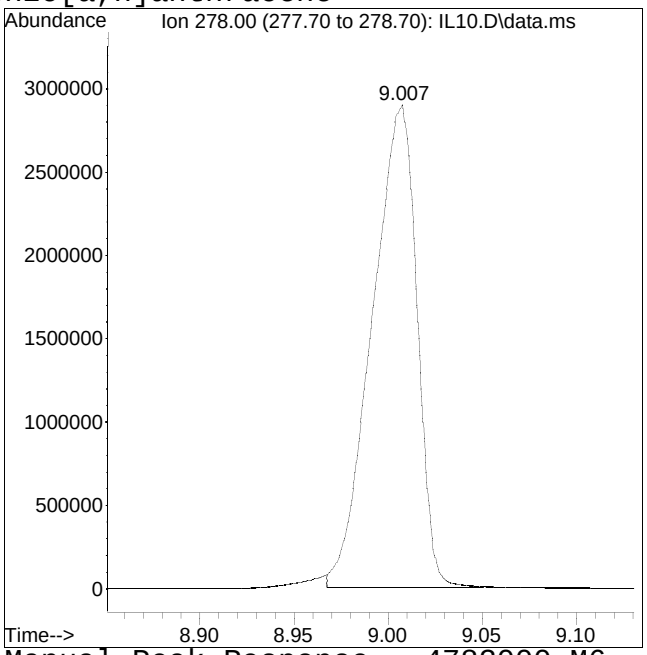
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL10.D
Date Inj'd : 11/5/2024 11:10 am
Sample : IL10,32,,5000.0 ng/ml #108
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 4911923



Manual Peak Response = 4783000 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 11:26 am
Operator : SV125:jjw
Sample : IL9,32,,2500.0 ng/ml #10901
Misc : WG1994329,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 17:57:07 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.322	152	654991	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 92.27%			
8) Naphthalene-d8	2.992	136	2295275	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 92.28%			
17) Acenaphthene-d10	3.974	164	1453098	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 91.13%			
22) Phenanthrene-d10	4.816	188	3001807	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 92.83%			
31) Chrysene-d12	6.390	240	3088011	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 90.54%			
36) Perylene-d12	7.657	264	3462371	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 90.18%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	414704	2356.353	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 117.82%#			
3) Phenol-d6	2.128	99	520868	2338.357	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 116.92%#			
7) Nitrobenzene-d5	2.606	82	476570	2512.964	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 251.30%#			
13) 2-Fluorobiphenyl	3.589	172	1175399	2302.011	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 230.20%#			
21) 2,4,6-Tribromophenol	4.417	330	227537	2887.084	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 144.35%#			
30) 4-Terphenyl-d14	5.732	244	1537246	2221.066	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 222.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.184	93	443767	2500.326	ng/ml	94
5) n-nitrosodi-n-propylamine	2.526	70	324609	2559.095	ng/ml	100
6) Hexachloroethane	2.584	117	196996	2392.529	ng/ml	100
9) Naphthalene	3.003	128	1406352	2281.717	ng/ml	99
10) Hexachlorobutadiene	3.073	225	301583	2393.212	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	980134	2358.587	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	908360	2339.818	ng/ml	100
14) 2-Chloronaphthalene	3.656	162	1028733	2363.807	ng/ml	98
15) 2,6-Dinitrotoluene	3.850	165	264387	2660.181	ng/ml	98
16) Acenaphthylene	3.892	152	1546066	2502.921	ng/ml	99
18) Acenaphthene	3.990	153	1089397	2325.882	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 11:26 am
Operator : SV125:jjw
Sample : IL9,32,,2500.0 ng/ml #10901
Misc : WG1994329,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 17:57:07 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.079	165	371848	2720.760	ng/ml	98
20) Fluorene	4.281	166	1200558	2321.691	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.309	198	240463	2549.944	ng/ml	100
24) Hexachlorobenzene	4.601	284	449972	2337.780	ng/ml	100
25) Pentachlorophenol	4.708	266	288388	2485.565	ng/ml	100
26) Phenanthrene	4.829	178	1855997	2237.212	ng/ml	99
27) Anthracene	4.858	178	1893586	2370.464	ng/ml	99
28) Fluoranthene	5.508	202	2197263	2306.064	ng/ml	99
29) Pyrene	5.641	202	2304014	2288.178	ng/ml	99
32) Benzo[a]anthracene	6.380	228	2411444	2590.663	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.363	252	925516	2673.760	ng/ml	100
34) Chrysene	6.409	228	2207153	2525.085	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.396	149	1428805	2856.974	ng/ml	99
37) Benzo[b]fluoranthene	7.264	252	2346892	2435.916	ng/ml	96
38) Benzo[k]fluoranthene	7.294	252	2357883	2677.917	ng/ml	98
39) Benzo[a]pyrene	7.590	252	2155193	2697.137	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.926	276	2286574	2664.463	ng/ml	98
41) Dibenzo[a,h]anthracene	8.960	278	2195376M6	2777.331	ng/ml	
42) Benzo[g,h,i]perylene	9.283	276	2197969	2636.031	ng/ml	99

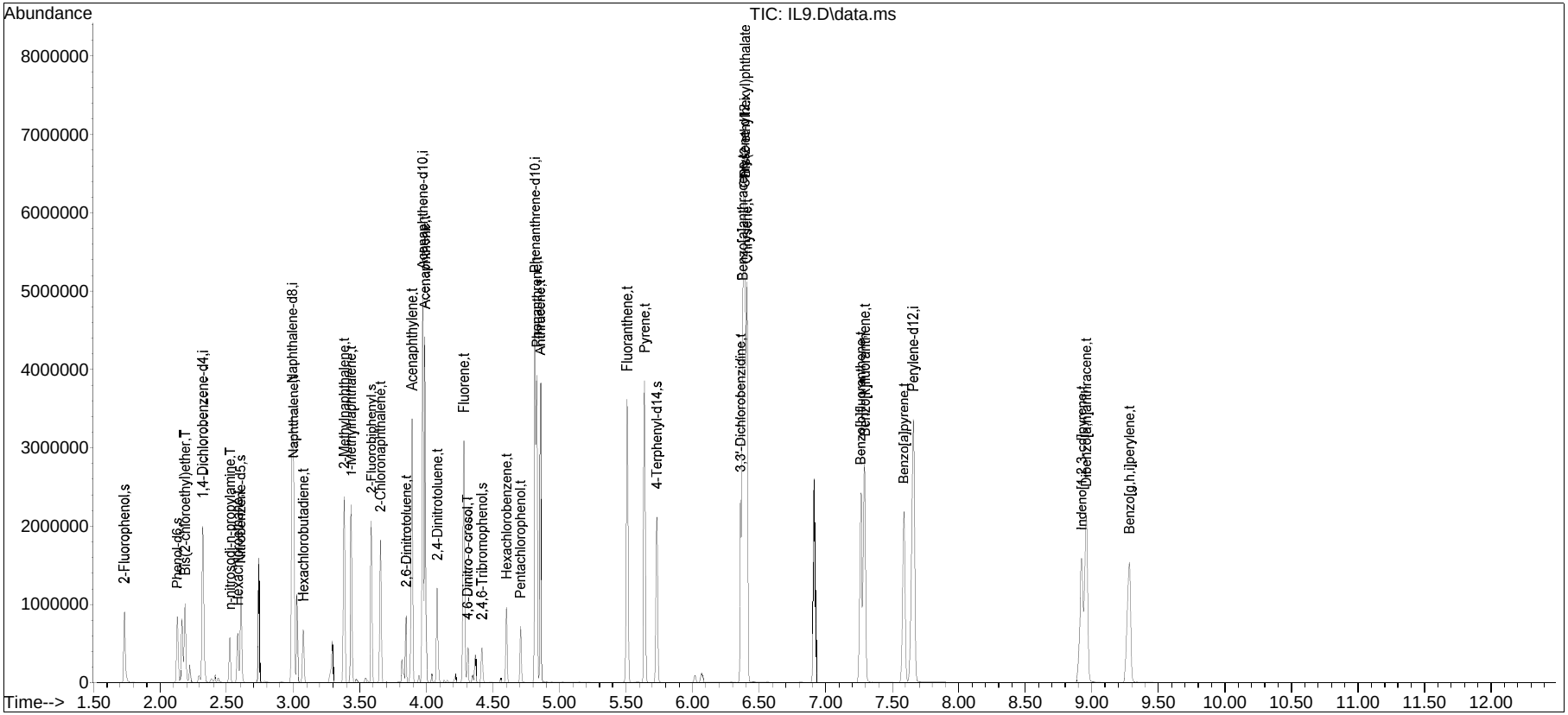
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 11:26 am
Operator : SV125:jjw
Sample : IL9,32,,2500.0 ng/ml #10901
Misc : WG1994329,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 17:57:07 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:39 2024
Response via : Initial Calibration

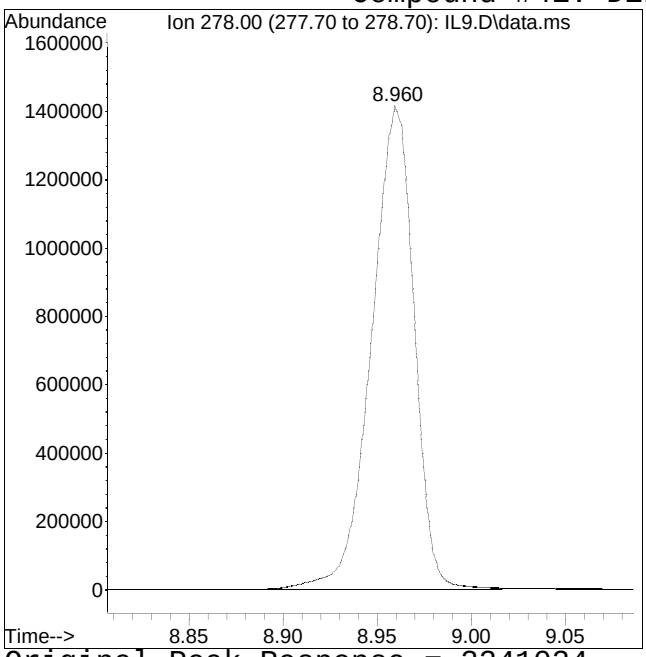
Sub List : Default - All compounds listedTical\IL8.D•



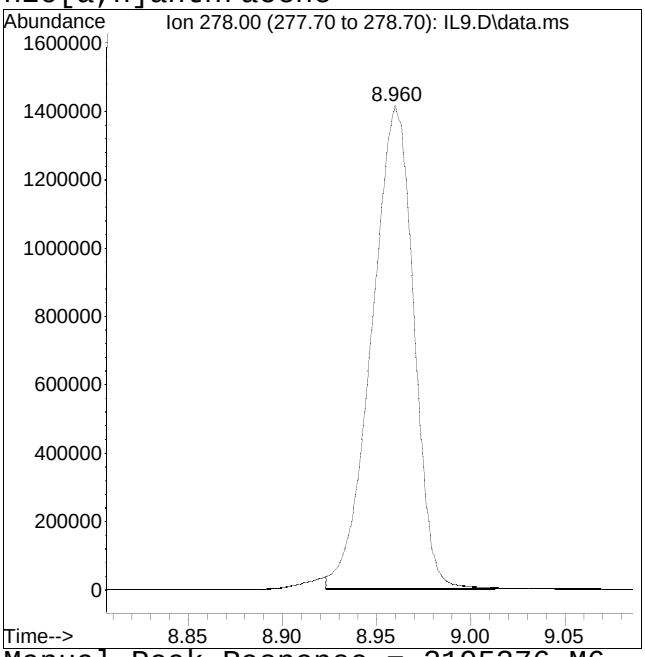
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL9.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:26 am Instrument : SV125
Sample : IL9,32,,2500.0 ng/ml #1090Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2241024



Manual Peak Response = 2195376 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 11:42 am
Operator : SV125:jjw
Sample : IL8,32,,1000.0 ng/ml #10888
Misc : WG1994329,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 17:57:02 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	709882	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 100.00%			
8) Naphthalene-d8	2.992	136	2487386	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 100.00%			
17) Acenaphthene-d10	3.974	164	1594573	4000.000	ng/ml	-0.01
Standard Area 1 = 1594573			Recovery = 100.00%			
22) Phenanthrene-d10	4.814	188	3233659	4000.000	ng/ml	-0.01
Standard Area 1 = 3233659			Recovery = 100.00%			
31) Chrysene-d12	6.389	240	3410694	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 100.00%			
36) Perylene-d12	7.655	264	3839395	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.727	112	185873	974.468	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.72%			
3) Phenol-d6	2.126	99	230945	956.623	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.83%			
7) Nitrobenzene-d5	2.603	82	211501	1029.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.90%			
13) 2-Fluorobiphenyl	3.589	172	540161	976.196	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.62%			
21) 2,4,6-Tribromophenol	4.418	330	98262	1136.170	ng/ml	-0.06
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.81%			
30) 4-Terphenyl-d14	5.729	244	712476	955.602	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.56%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	187118	935.826	ng/ml	100
5) n-nitrosodi-n-propylamine	2.523	70	142344	1035.414	ng/ml	100
6) Hexachloroethane	2.584	117	86629	970.761	ng/ml	100
9) Naphthalene	3.003	128	643856	963.936	ng/ml	100
10) Hexachlorobutadiene	3.073	225	133440	977.129	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	444662	987.388	ng/ml	100
12) 1-Methylnaphthalene	3.437	142	411085	977.118	ng/ml	100
14) 2-Chloronaphthalene	3.655	162	468094	992.508	ng/ml	100
15) 2,6-Dinitrotoluene	3.847	165	114155	1059.882	ng/ml	100
16) Acenaphthylene	3.889	152	698794	1043.902	ng/ml	100
18) Acenaphthene	3.989	153	490098	953.531	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 11:42 am
Operator : SV125:jjw
Sample : IL8,32,,1000.0 ng/ml #10888
Misc : WG1994329,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 17:57:02 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.076	165	159842	1065.777	ng/ml	100
20) Fluorene	4.278	166	550417	969.982	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.306	198	99437	992.866	ng/ml	100
24) Hexachlorobenzene	4.599	284	201727	972.906	ng/ml	100
25) Pentachlorophenol	4.709	266	108114	1068.736	ng/ml	100
26) Phenanthrene	4.827	178	852938	954.412	ng/ml	100
27) Anthracene	4.856	178	867569	1008.186	ng/ml	100
28) Fluoranthene	5.509	202	1013081	987.011	ng/ml	100
29) Pyrene	5.639	202	1068417	984.995	ng/ml	100
32) Benzo[a]anthracene	6.378	228	1082602	1046.782	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.359	252	412989	1080.222	ng/ml	100
34) Chrysene	6.405	228	1036389	1073.501	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.394	149	586693	1062.137	ng/ml	100
37) Benzo[b]fluoranthene	7.258	252	1089943	1020.196	ng/ml	100
38) Benzo[k]fluoranthene	7.285	252	1016653	1041.258	ng/ml	100
39) Benzo[a]pyrene	7.581	252	944125	1065.509	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.914	276	997020	1047.705	ng/ml	100
41) Dibenzo[a,h]anthracene	8.947	278	931119M6	1062.269	ng/ml	
42) Benzo[g,h,i]perylene	9.267	276	949557	1026.977	ng/ml	100

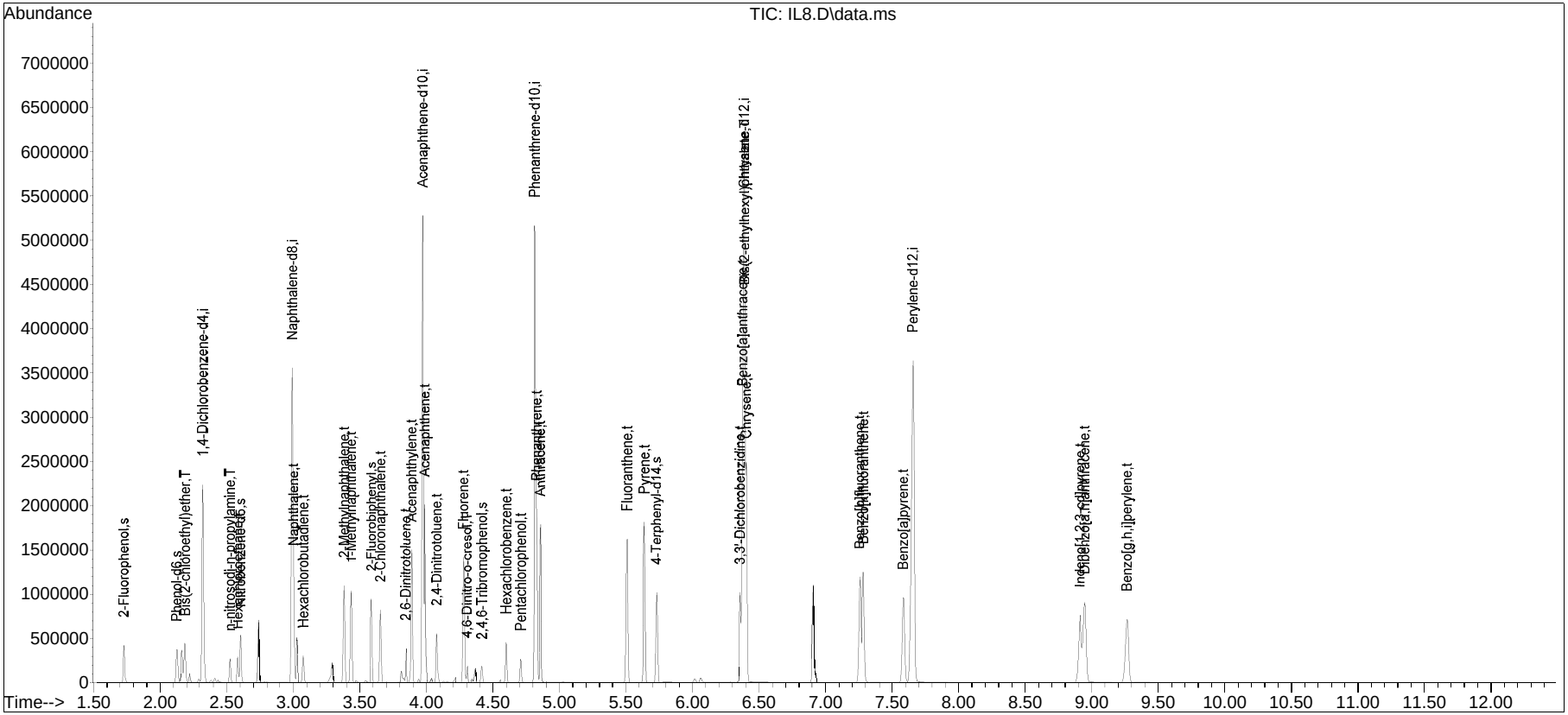
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 11:42 am
Operator : SV125:jjw
Sample : IL8,32,,1000.0 ng/ml #10888
Misc : WG1994329,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 17:57:02 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:35 2024
Response via : Initial Calibration

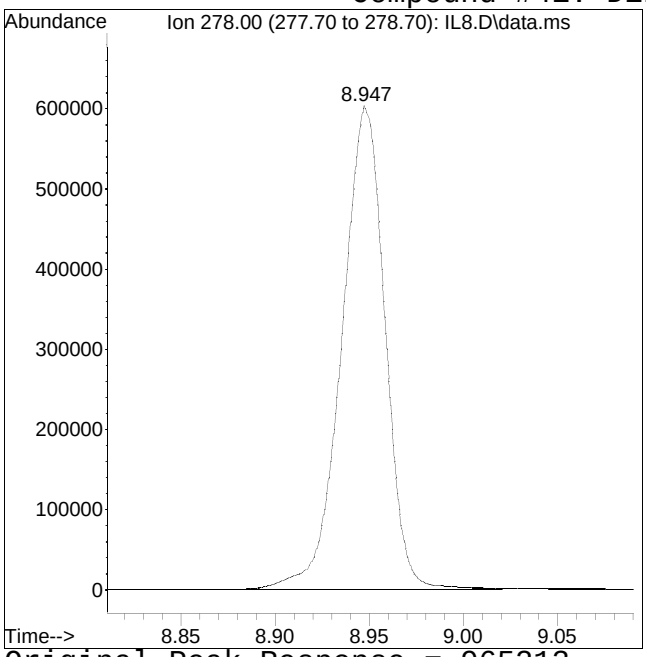
Sub List : Default - All compounds listedTical\IL8.D•



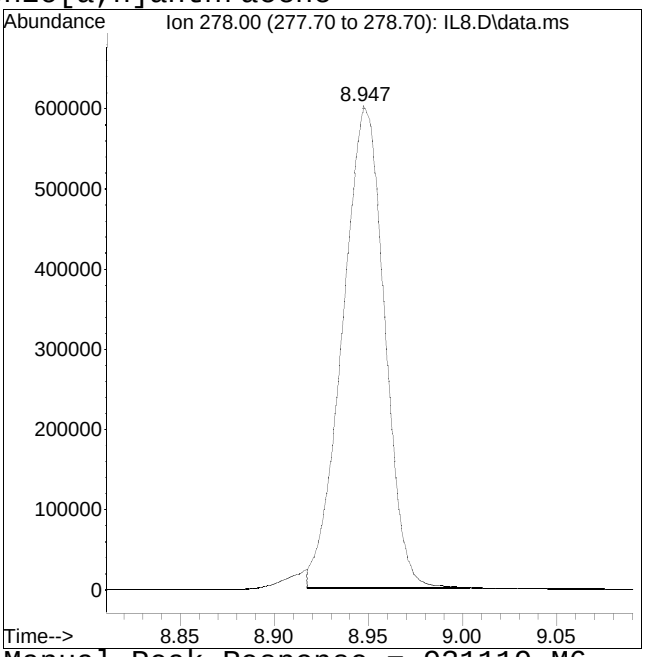
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL8.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:42 am Instrument : SV125
Sample : IL8,32,,1000.0 ng/ml #1088Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 965213



Manual Peak Response = 931119 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 11:58 am
Operator : SV125:jjw
Sample : IL7,32,,500.0 ng/ml #10889
Misc : WG1994329,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 17:56:57 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.322	152	619943	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 87.33%			
8) Naphthalene-d8	2.993	136	2188999	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 88.00%			
17) Acenaphthene-d10	3.973	164	1352663	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 84.83%			
22) Phenanthrene-d10	4.815	188	2851884	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 88.19%			
31) Chrysene-d12	6.387	240	2984497	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 87.50%			
36) Perylene-d12	7.653	264	3297819	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 85.89%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	82103	492.884	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.64%			
3) Phenol-d6	2.129	99	99041	469.766	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 23.49%			
7) Nitrobenzene-d5	2.606	82	89620	499.285	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.93%			
13) 2-Fluorobiphenyl	3.590	172	234519	481.603	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.16%			
21) 2,4,6-Tribromophenol	4.415	330	40195	547.879	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.39%			
30) 4-Terphenyl-d14	5.727	244	316609	481.496	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.15%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	89046	503.160	ng/ml	93
5) n-nitrosodi-n-propylamine	2.526	70	58656	488.564	ng/ml	100
6) Hexachloroethane	2.584	117	37808	485.140	ng/ml	100
9) Naphthalene	3.003	128	279843	476.071	ng/ml	100
10) Hexachlorobutadiene	3.074	225	58538	487.081	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	190647	481.045	ng/ml	100
12) 1-Methylnaphthalene	3.438	142	177342	478.988	ng/ml	100
14) 2-Chloronaphthalene	3.656	162	200972	484.210	ng/ml	100
15) 2,6-Dinitrotoluene	3.847	165	45749	482.661	ng/ml	97
16) Acenaphthylene	3.891	152	294489	499.893	ng/ml	100
18) Acenaphthene	3.989	153	209179	479.761	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 11:58 am
Operator : SV125:jjw
Sample : IL7,32,,500.0 ng/ml #10889
Misc : WG1994329,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 17:56:57 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	64343	505.745	ng/ml	96
20) Fluorene	4.279	166	236137	490.558	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.306	198	37818	441.091	ng/ml	96
24) Hexachlorobenzene	4.600	284	89087	487.173	ng/ml	100
25) Pentachlorophenol	4.707	266	36672	461.630	ng/ml	100
26) Phenanthrene	4.828	178	377088	478.436	ng/ml	100
27) Anthracene	4.854	178	376571	496.188	ng/ml	99
28) Fluoranthene	5.507	202	448379	495.320	ng/ml	100
29) Pyrene	5.637	202	472366	493.781	ng/ml	100
32) Benzo[a]anthracene	6.376	228	474023	518.536	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.357	252	163786	489.579	ng/ml	100
34) Chrysene	6.403	228	463026	548.096	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.392	149	233056	482.171	ng/ml	100
37) Benzo[b]fluoranthene	7.256	252	478179	521.082	ng/ml	99
38) Benzo[k]fluoranthene	7.283	252	434461	518.051	ng/ml	99
39) Benzo[a]pyrene	7.579	252	394816	518.750	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.909	276	416934	510.080	ng/ml	99
41) Dibenzo[a,h]anthracene	8.942	278	397396M6	527.824	ng/ml	
42) Benzo[g,h,i]perylene	9.262	276	408705	514.619	ng/ml	100

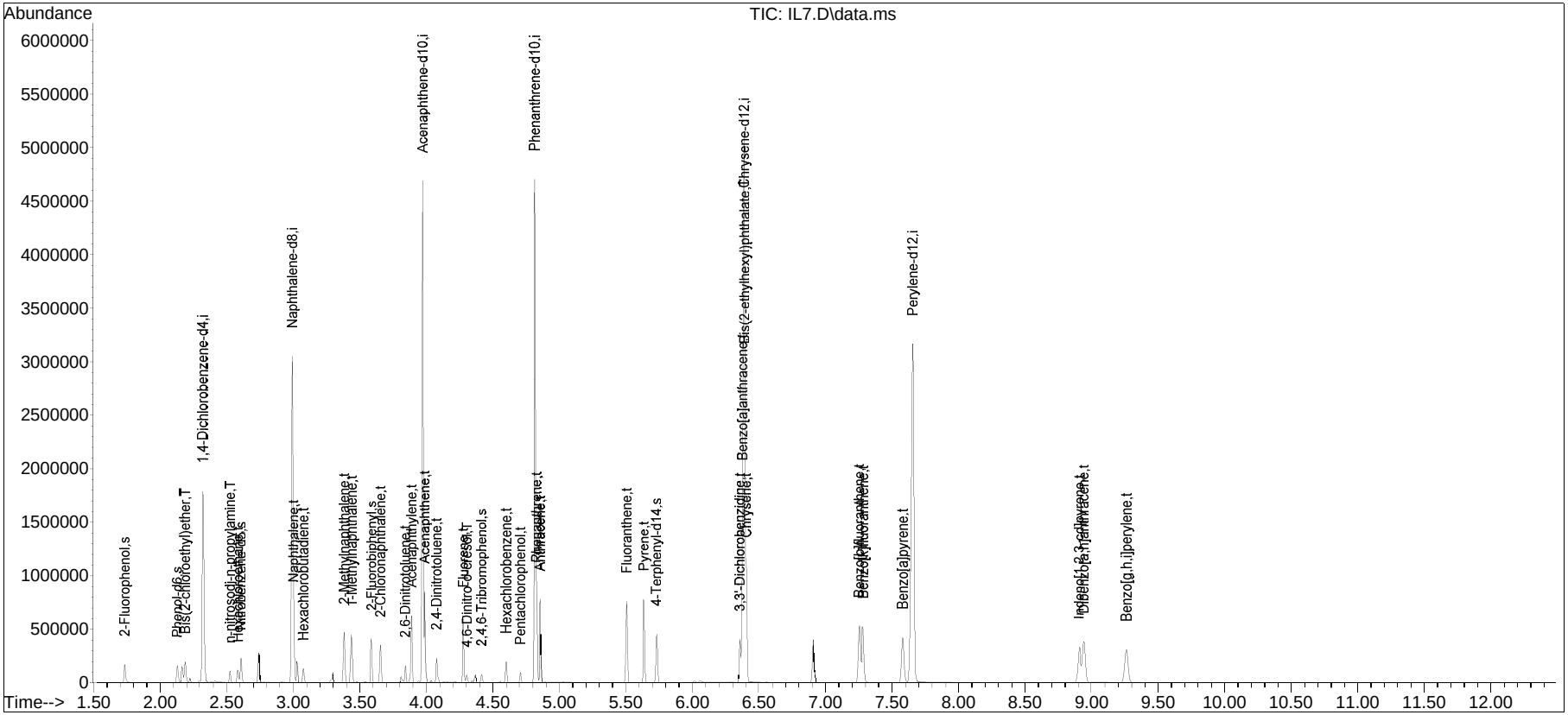
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 11:58 am
Operator : SV125:jjw
Sample : IL7,32,,500.0 ng/ml #10889
Misc : WG1994329,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 17:56:57 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:30 2024
Response via : Initial Calibration

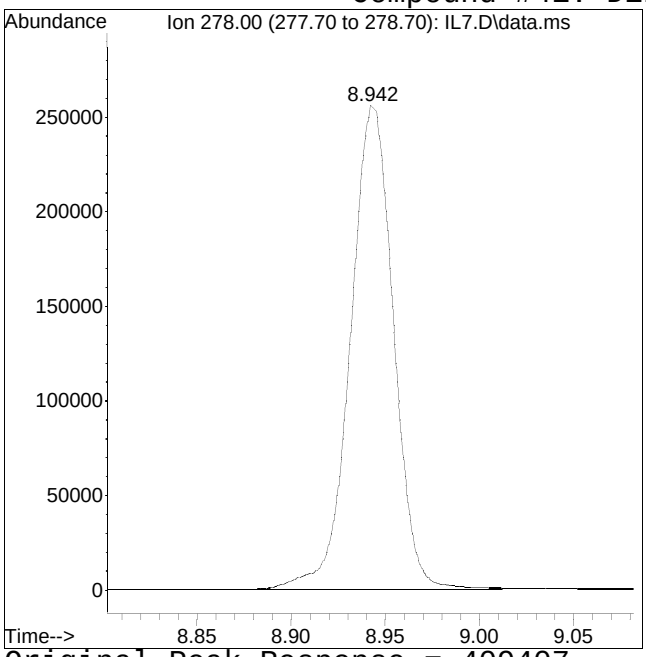
Sub List : Default - All compounds listedTical\IL8.D•



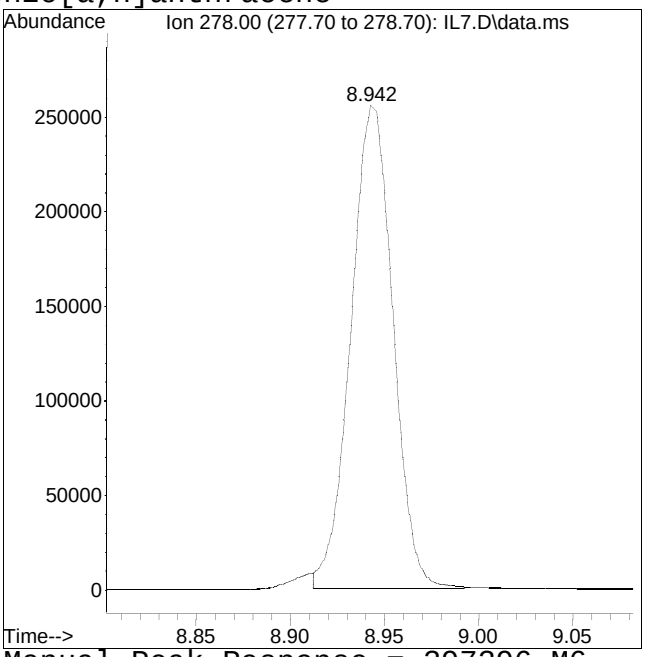
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL7.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:58 am Instrument : SV125
Sample : IL7,32,,500.0 ng/ml #10889Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 409407



Manual Peak Response = 397396 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 12:15 pm
Operator : SV125:jjw
Sample : IL6,32,,100.0 ng/ml #10899
Misc : WG1994329,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 17:56:53 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:25 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	653598	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 92.07%			
8) Naphthalene-d8	2.993	136	2271621	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 91.33%			
17) Acenaphthene-d10	3.972	164	1405052	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 88.11%			
22) Phenanthrene-d10	4.815	188	2937671	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 90.85%			
31) Chrysene-d12	6.385	240	3137659	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 91.99%			
36) Perylene-d12	7.654	264	3403858	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 88.66%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	20779	118.318	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.92%#			
3) Phenol-d6	2.129	99	25263	113.656	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.68%#			
7) Nitrobenzene-d5	2.606	82	22908	121.052	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.11%#			
13) 2-Fluorobiphenyl	3.590	172	61956	122.604	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.26%#			
21) 2,4,6-Tribromophenol	4.415	330	9195	120.660	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.03%#			
30) 4-Terphenyl-d14	5.730	244	80851	119.367	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.94%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	29840	155.947	ng/ml#	74
5) n-nitrosodi-n-propylamine	2.526	70	14736	116.421	ng/ml	98
6) Hexachloroethane	2.584	117	9810	119.397	ng/ml	99
9) Naphthalene	3.003	128	72939	119.571	ng/ml	100
10) Hexachlorobutadiene	3.074	225	15134	121.346	ng/ml	100
11) 2-Methylnaphthalene	3.384	142	49473	120.291	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	45659	118.836	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	52428	121.723	ng/ml	100
15) 2,6-Dinitrotoluene	3.845	165	10389	105.619	ng/ml	93
16) Acenaphthylene	3.890	152	72865	119.189	ng/ml	99
18) Acenaphthene	3.990	153	54114	119.485	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 12:15 pm
Operator : SV125:jjw
Sample : IL6,32,,100.0 ng/ml #10899
Misc : WG1994329,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 17:56:53 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:25 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.074	165	13884	105.061	ng/ml	89
20) Fluorene	4.279	166	59590	119.178	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.306	198	7434	102.574	ng/ml	94
24) Hexachlorobenzene	4.597	284	22809	121.089	ng/ml	99
25) Pentachlorophenol	4.707	266	5661	82.896	ng/ml	100
26) Phenanthrene	4.826	178	97902	120.587	ng/ml	97
27) Anthracene	4.855	178	93809	119.998	ng/ml	99
28) Fluoranthene	5.506	202	112706	120.869	ng/ml	99
29) Pyrene	5.636	202	116448	118.172	ng/ml	99
32) Benzo[a]anthracene	6.374	228	123349	120.430	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.358	252	37571	106.823	ng/ml	99
34) Chrysene	6.401	228	116815	131.527	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.393	149	50435	99.252	ng/ml	96
37) Benzo[b]fluoranthene	7.255	252	114132	120.498	ng/ml	99
38) Benzo[k]fluoranthene	7.281	252	105972	122.424	ng/ml	99
39) Benzo[a]pyrene	7.578	252	92749	118.067	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.907	276	98921	117.251	ng/ml	99
41) Dibenzo[a,h]anthracene	8.940	278	94293M6	121.339	ng/ml	
42) Benzo[g,h,i]perylene	9.256	276	96424	117.630	ng/ml	99

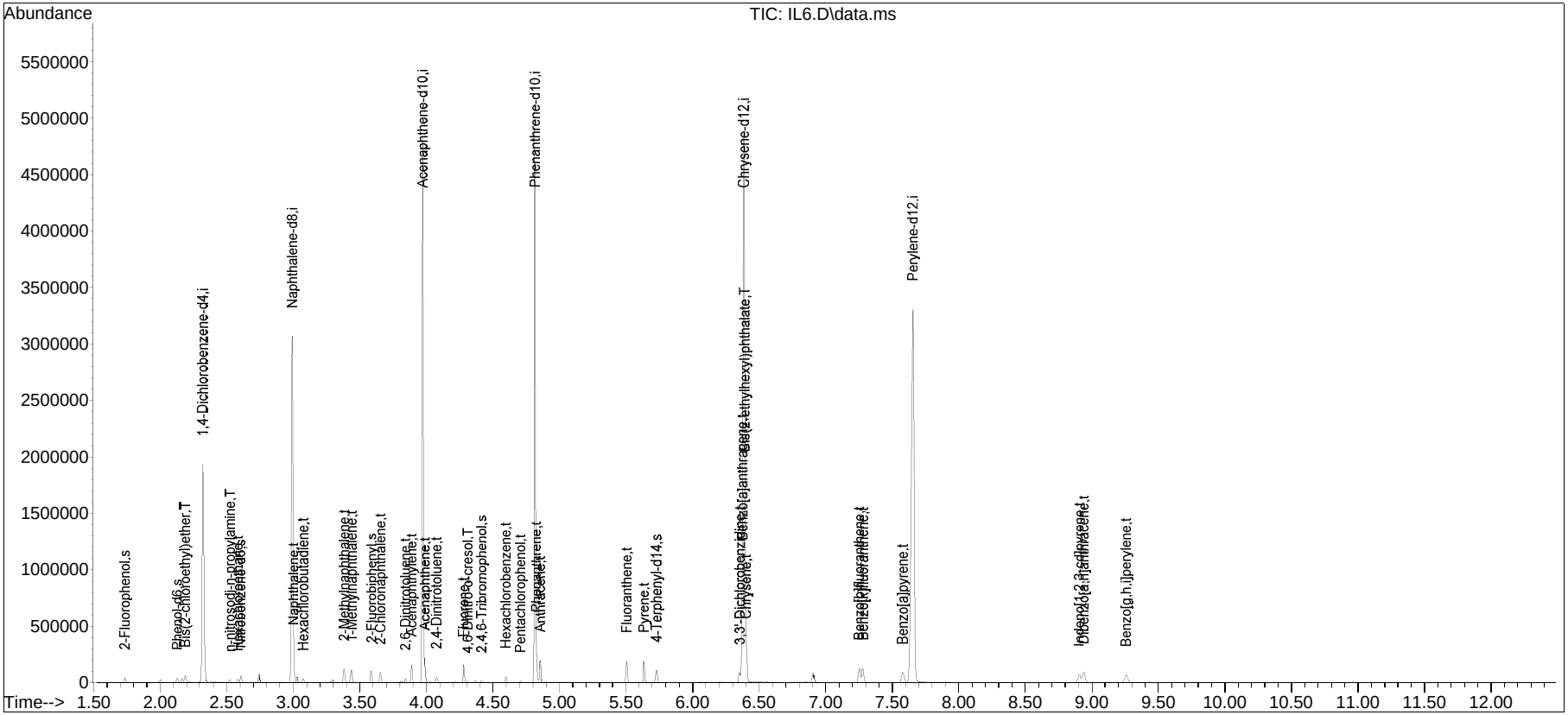
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 12:15 pm
Operator : SV125:jjw
Sample : IL6,32,,100.0 ng/ml #10899
Misc : WG1994329,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 17:56:53 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:25 2024
Response via : Initial Calibration

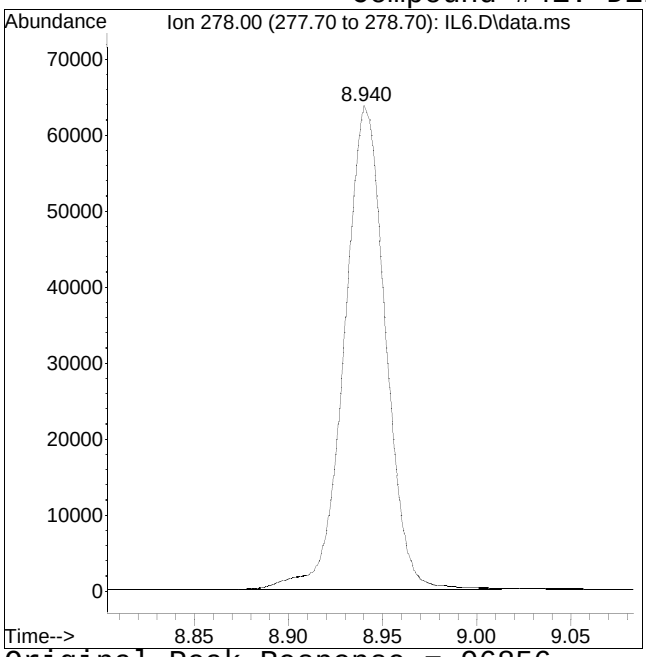
Sub List : Default - All compounds listedTical\IL8.D•



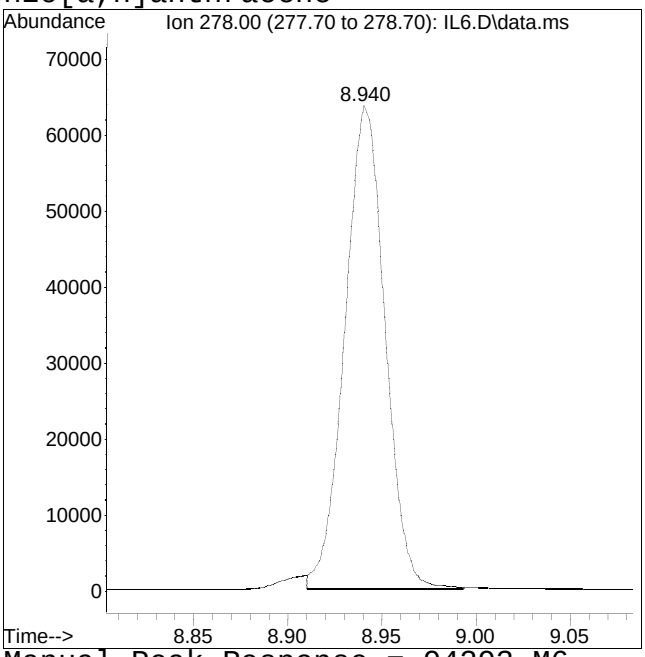
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL6.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:15 pm Instrument : SV125
Sample : IL6,32,,100.0 ng/ml #10899Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 96856



Manual Peak Response = 94293 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 12:31 pm
Operator : SV125:jjw
Sample : IL5,32,,40.0 ng/ml #10891
Misc : WG1994329,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 17:56:48 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	662287	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 93.30%			
8) Naphthalene-d8	2.990	136	2281179	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 91.71%			
17) Acenaphthene-d10	3.973	164	1411911	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 88.54%			
22) Phenanthrene-d10	4.815	188	2958344	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 91.49%			
31) Chrysene-d12	6.387	240	3121544	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 91.52%			
36) Perylene-d12	7.655	264	3402845	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 88.63%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	6878	38.650	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.93%#			
3) Phenol-d6	2.130	99	8223	36.509	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.83%#			
7) Nitrobenzene-d5	2.607	82	7234	37.725	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.77%#			
13) 2-Fluorobiphenyl	3.587	172	20145	39.698	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.97%#			
21) 2,4,6-Tribromophenol	4.415	330	2601	33.965	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.70%#			
30) 4-Terphenyl-d14	5.727	244	25568	37.484	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.75%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.186	93	7503	35.572	ng/ml	98
5) n-nitrosodi-n-propylamine	2.526	70	4732	36.894	ng/ml	98
6) Hexachloroethane	2.585	117	3216M6	38.628	ng/ml	
9) Naphthalene	3.001	128	23726	38.732	ng/ml	99
10) Hexachlorobutadiene	3.074	225	4918	39.268	ng/ml	99
11) 2-Methylnaphthalene	3.385	142	16089	38.956	ng/ml	100
12) 1-Methylnaphthalene	3.439	142	14989	38.848	ng/ml	100
14) 2-Chloronaphthalene	3.657	162	16823	38.894	ng/ml	99
15) 2,6-Dinitrotoluene	3.847	165	3148	31.870	ng/ml	92
16) Acenaphthylene	3.889	152	22839	37.202	ng/ml	100
18) Acenaphthene	3.989	153	17570	38.607	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 12:31 pm
Operator : SV125:jjw
Sample : IL5,32,,40.0 ng/ml #10891
Misc : WG1994329,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 17:56:48 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	3806	28.660	ng/ml#	83
20) Fluorene	4.279	166	18962	37.739	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.306	198	1908	43.086	ng/ml	95
24) Hexachlorobenzene	4.597	284	7422	39.127	ng/ml	98
25) Pentachlorophenol	4.707	266	1679	31.927	ng/ml	98
26) Phenanthrene	4.826	178	31186M6	38.144	ng/ml	
27) Anthracene	4.854	178	29736	37.772	ng/ml	99
28) Fluoranthene	5.507	202	35189	37.474	ng/ml	100
29) Pyrene	5.637	202	36415	36.696	ng/ml	99
32) Benzo[a]anthracene	6.378	228	44981	37.480	ng/ml	96
33) 3,3'-Dichlorobenzidine	6.357	252	10858	31.031	ng/ml	99
34) Chrysene	6.400	228	36906	41.769	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.392	149	15203	30.073	ng/ml#	82
37) Benzo[b]fluoranthene	7.255	252	34628	36.570	ng/ml	99
38) Benzo[k]fluoranthene	7.282	252	31725	36.661	ng/ml	99
39) Benzo[a]pyrene	7.578	252	27754	35.341	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.904	276	29251	34.681	ng/ml	100
41) Dibenzo[a,h]anthracene	8.941	278	27457M6	35.343	ng/ml	
42) Benzo[g,h,i]perylene	9.257	276	29248	35.691	ng/ml	99

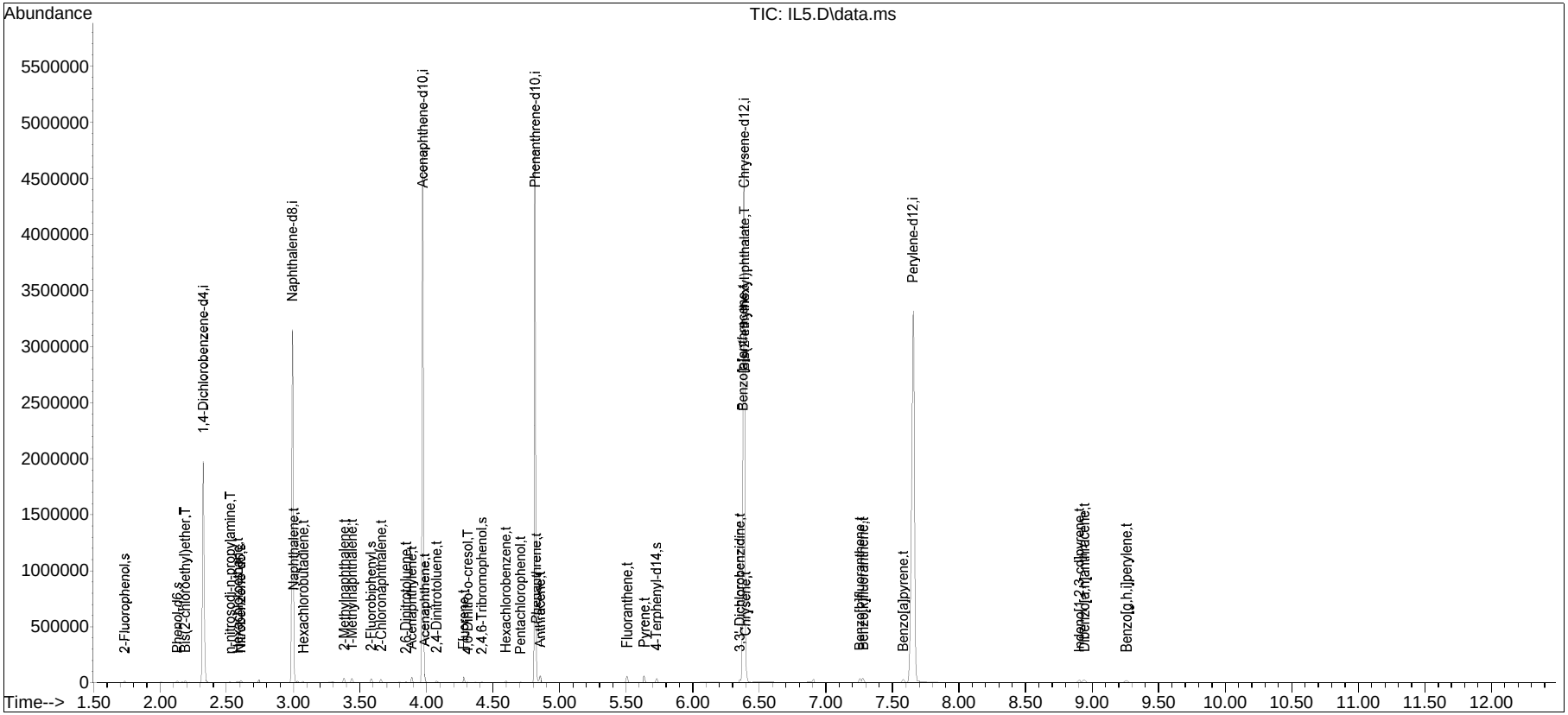
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 12:31 pm
Operator : SV125:jjw
Sample : IL5,32,,40.0 ng/ml #10891
Misc : WG1994329,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 17:56:48 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:20 2024
Response via : Initial Calibration

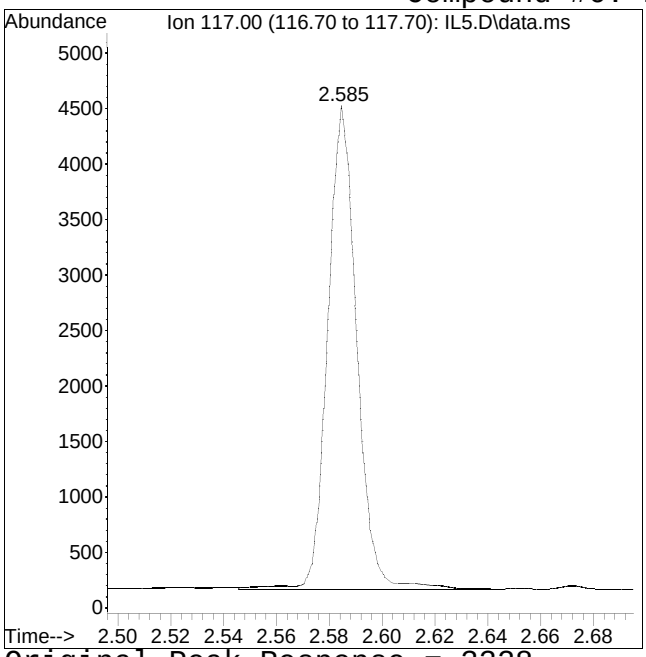
Sub List : Default - All compounds listedTical\IL8.D•



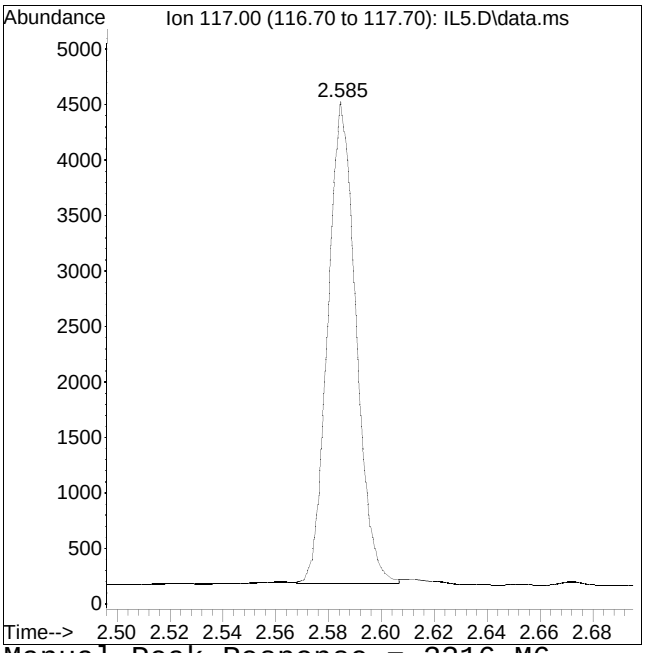
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL5.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:31 pm Instrument : SV125
Sample : IL5,32,,40.0 ng/ml #10891 Quant Date : 12/2/2024 5:58 pm

Compound #6: Hexachloroethane



Original Peak Response = 3328



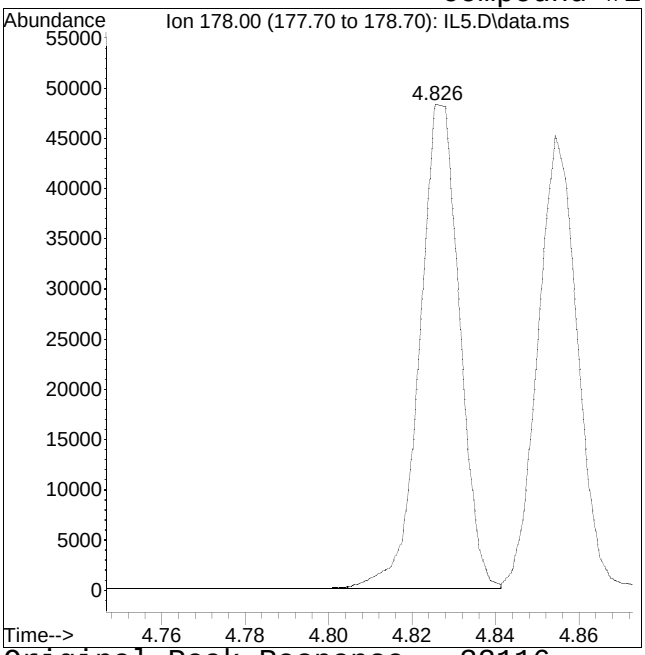
Manual Peak Response = 3216 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

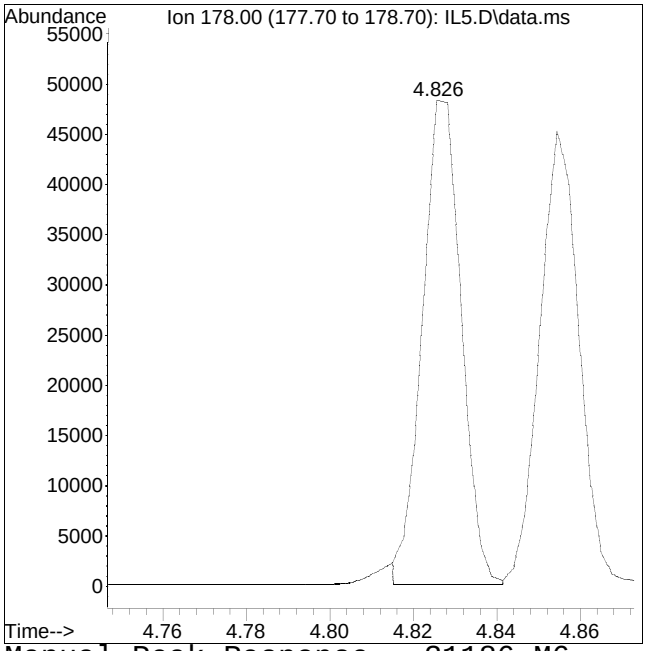
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL5.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:31 pm Instrument : SV125
Sample : IL5,32,,40.0 ng/ml #10891 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 32116



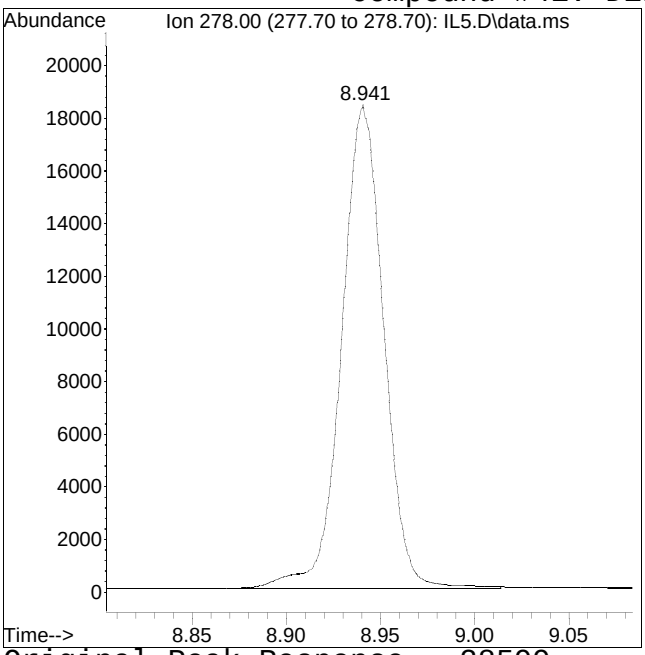
Manual Peak Response = 31186 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

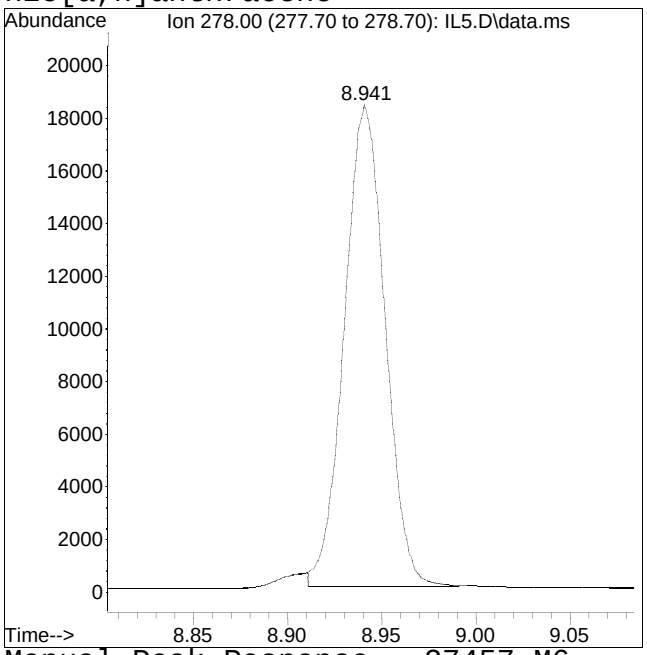
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL5.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:31 pm Instrument : SV125
Sample : IL5,32,,40.0 ng/ml #10891 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 28599



Manual Peak Response = 27457 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 12:47 pm
Operator : SV125:jjw
Sample : IL4,32,,10.0 ng/ml #10892
Misc : WG1994329,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 18:13:26 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.322	152	567459	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 79.94%			
8) Naphthalene-d8	2.993	136	1972709	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 79.31%			
17) Acenaphthene-d10	3.973	164	1202651	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 75.42%			
22) Phenanthrene-d10	4.815	188	2572822	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 79.56%			
31) Chrysene-d12	6.385	240	2708956	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 79.43%			
36) Perylene-d12	7.651	264	2880815	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 75.03%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	1465	9.608	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
3) Phenol-d6	2.129	99	1744	9.037	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.45%#			
7) Nitrobenzene-d5	2.606	82	1555	9.464	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.590	172	4389	10.001	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
21) 2,4,6-Tribromophenol	4.418	330	505	7.742	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.39%#			
30) 4-Terphenyl-d14	5.726	244	5441	9.172	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.92%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	1639M6	6.071	ng/ml	
5) n-nitrosodi-n-propylamine	2.526	70	994M4	9.045	ng/ml	
6) Hexachloroethane	2.584	117	734	10.290	ng/ml	99
9) Naphthalene	3.003	128	5266M6	9.941	ng/ml	
10) Hexachlorobutadiene	3.074	225	1053	9.722	ng/ml	99
11) 2-Methylnaphthalene	3.383	142	3409	9.545	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	3233	9.690	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	3581	9.574	ng/ml	96
15) 2,6-Dinitrotoluene	3.847	165	715M6	8.370	ng/ml	
16) Acenaphthylene	3.889	152	4841	9.119	ng/ml	99
18) Acenaphthene	3.989	153	3707M6	9.563	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 12:47 pm
Operator : SV125:jjw
Sample : IL4,32,,10.0 ng/ml #10892
Misc : WG1994329,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 18:13:26 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	763M4	6.745	ng/ml	
20) Fluorene	4.278	166	4156M6	9.711	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.597	284	1576M6	9.553	ng/ml	
25) Pentachlorophenol	4.710	266	237	13.865	ng/ml	97
26) Phenanthrene	4.826	178	7142M1	10.044	ng/ml	
27) Anthracene	4.855	178	6190	9.041	ng/ml	98
28) Fluoranthene	5.506	202	7487	9.168	ng/ml	99
29) Pyrene	5.636	202	7851	9.097	ng/ml	100
32) Benzo[a]anthracene	6.382	228	15946	9.089	ng/ml#	88
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.401	228	7772	10.136	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.255	252	7024	8.762	ng/ml	96
38) Benzo[k]fluoranthene	7.278	252	6978	9.525	ng/ml	96
39) Benzo[a]pyrene	7.578	252	5736	8.627	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.904	276	6139	8.598	ng/ml	99
41) Dibenzo[a,h]anthracene	8.940	278	5654M6	8.597	ng/ml	
42) Benzo[g,h,i]perylene	9.257	276	6021	8.679	ng/ml	100

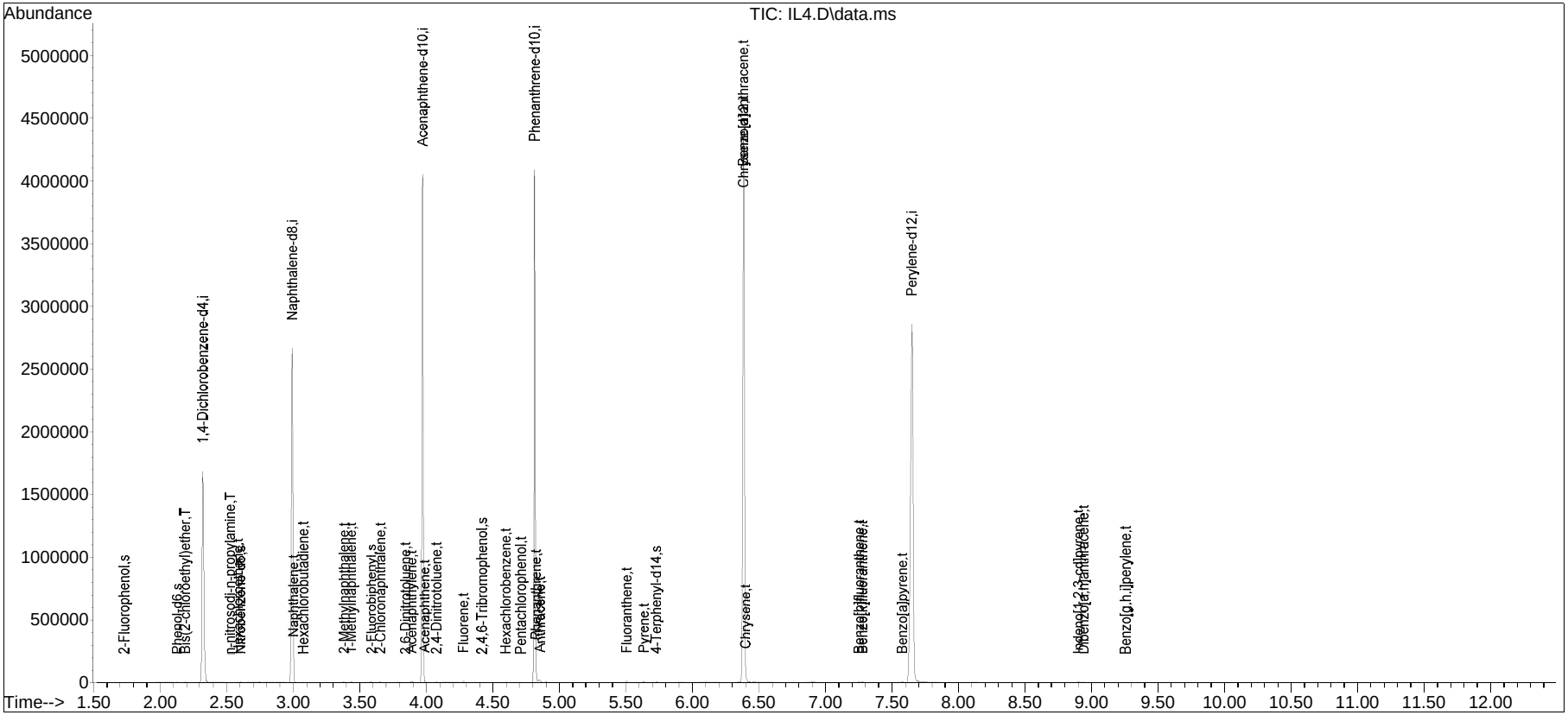
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 12:47 pm
Operator : SV125:jjw
Sample : IL4,32,,10.0 ng/ml #10892
Misc : WG1994329,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 18:13:26 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:14 2024
Response via : Initial Calibration

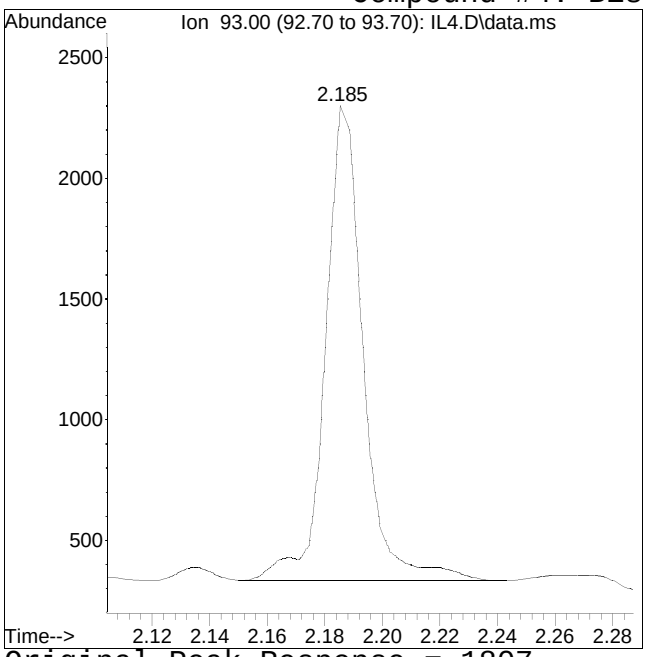
Sub List : Default - All compounds listedTical\IL8.D•



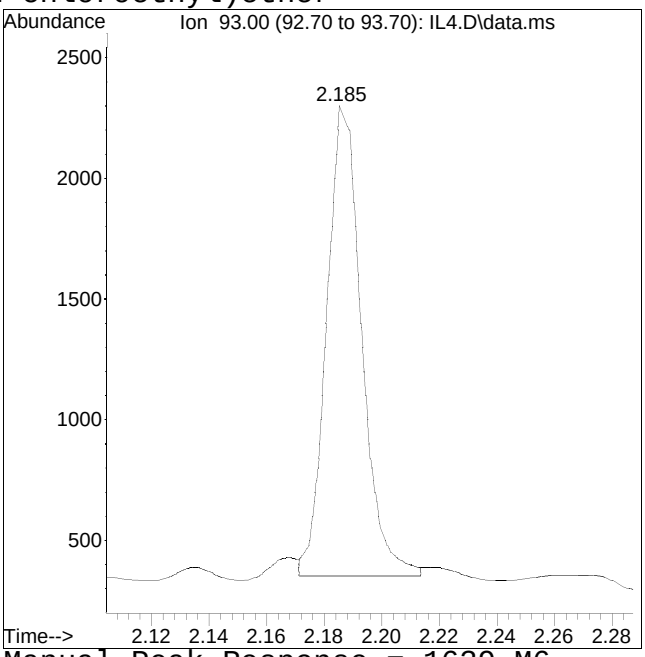
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL4.D
Date Inj'd : 11/5/2024 12:47 pm
Sample : IL4,32,,10.0 ng/ml #10892
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:58 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 1807



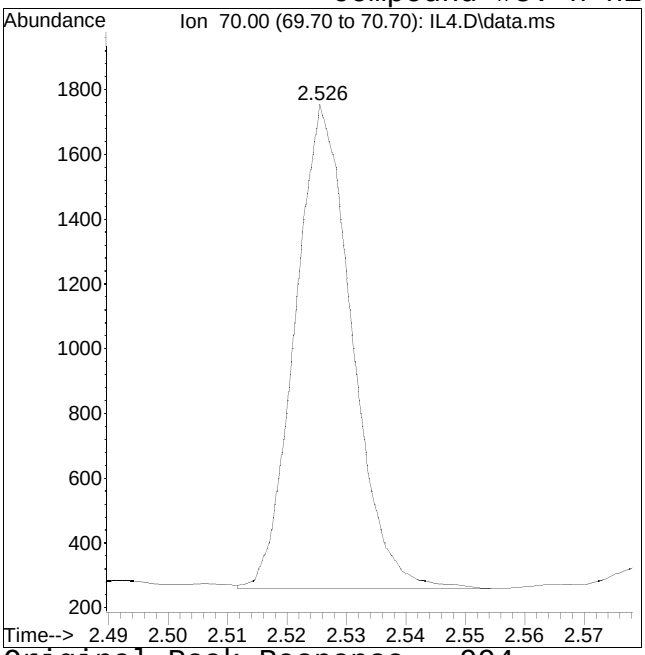
Manual Peak Response = 1639 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

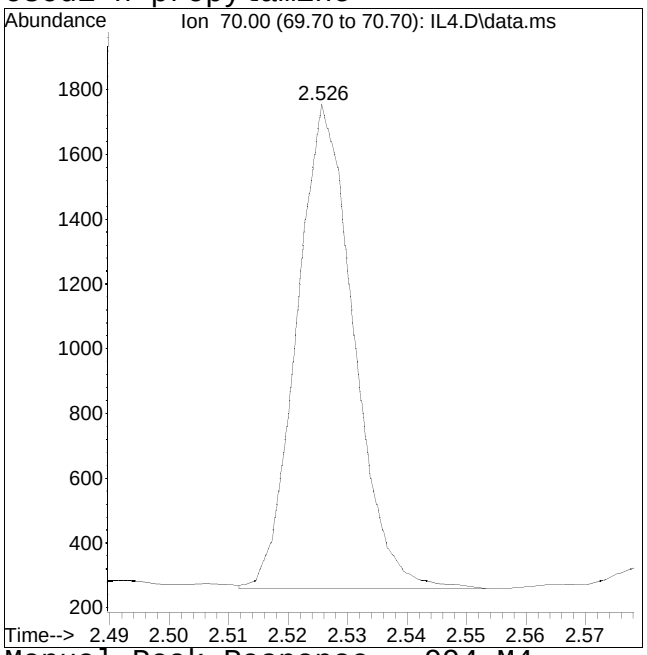
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 994



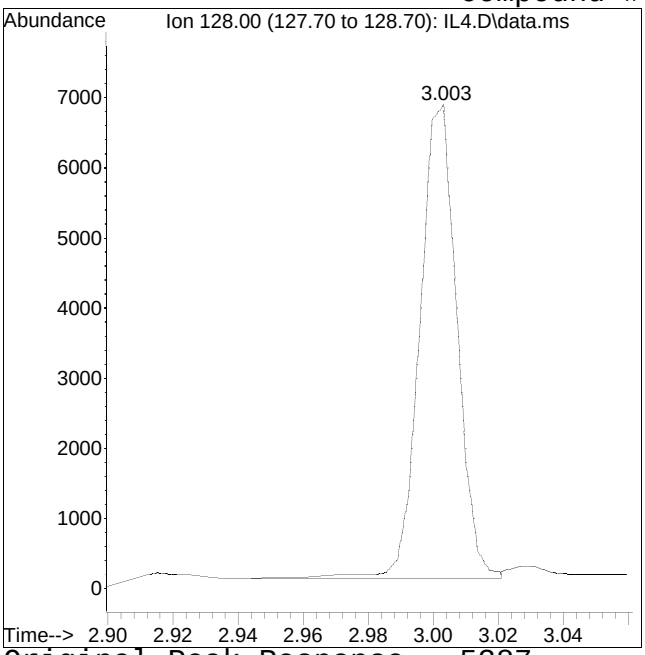
Manual Peak Response = 994 M4

M4 = Poor automated baseline construction.

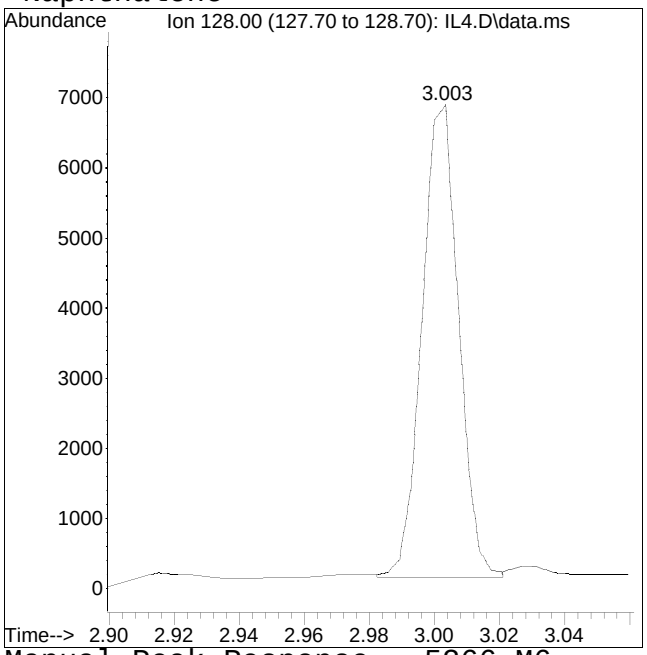
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #9: Naphthalene



Original Peak Response = 5387



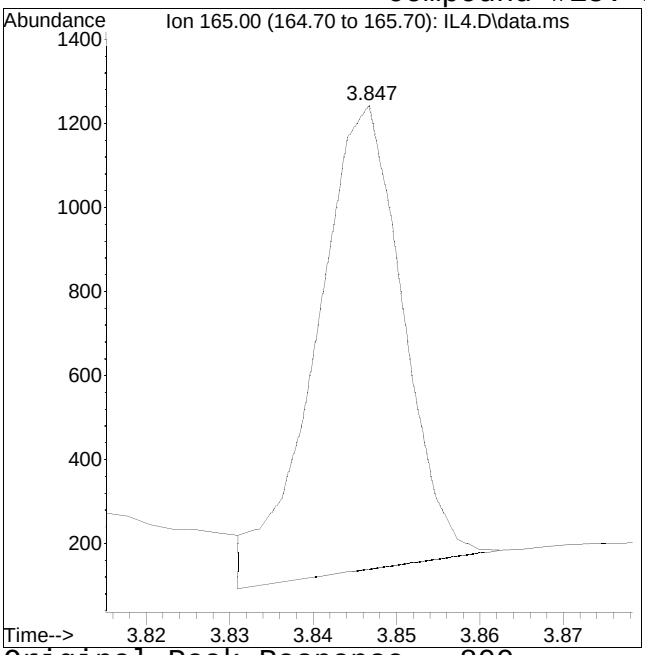
Manual Peak Response = 5266 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

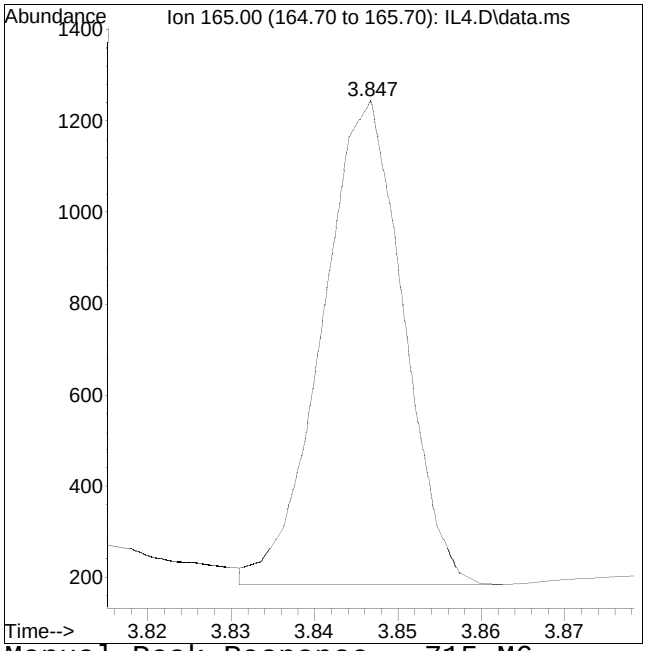
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 800



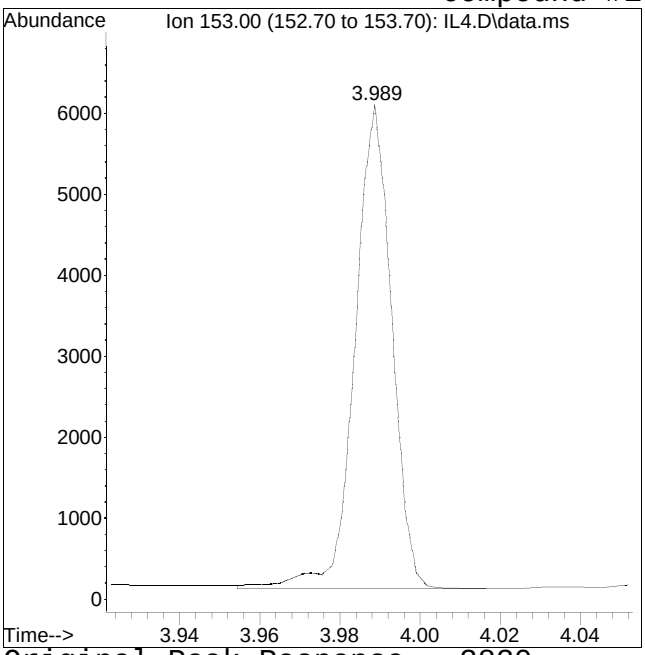
Manual Peak Response = 715 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

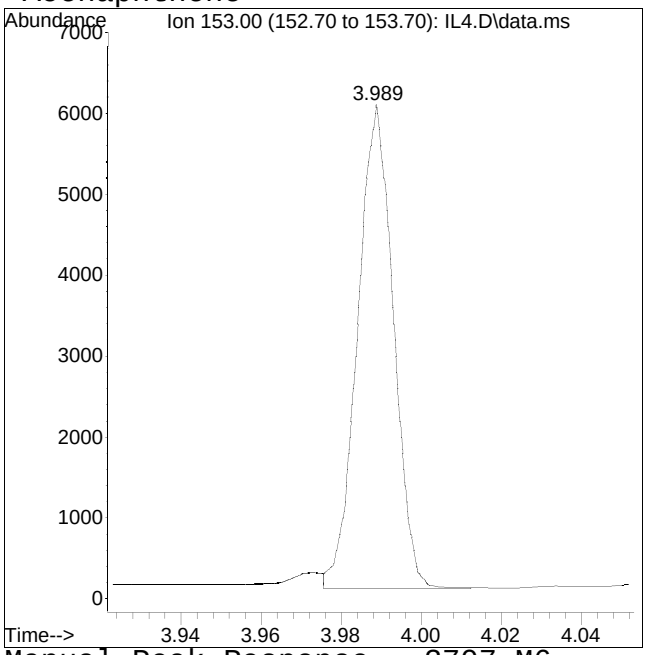
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #18: Acenaphthene



Original Peak Response = 3830



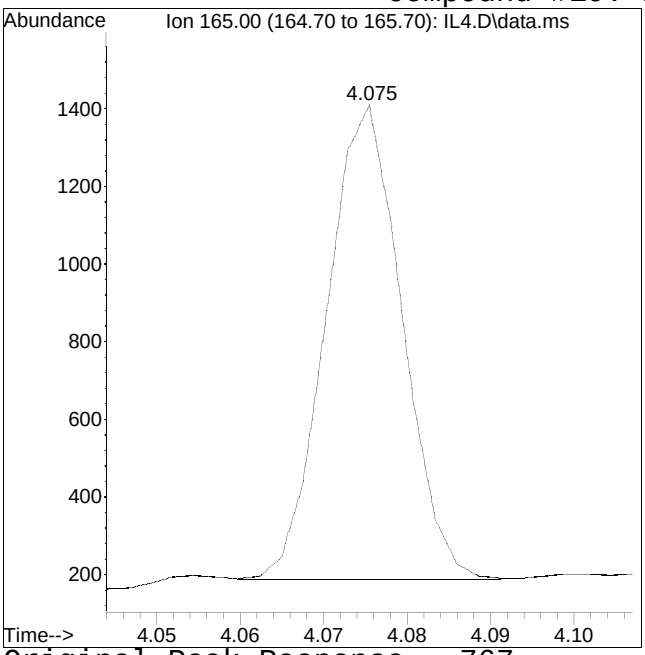
Manual Peak Response = 3707 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

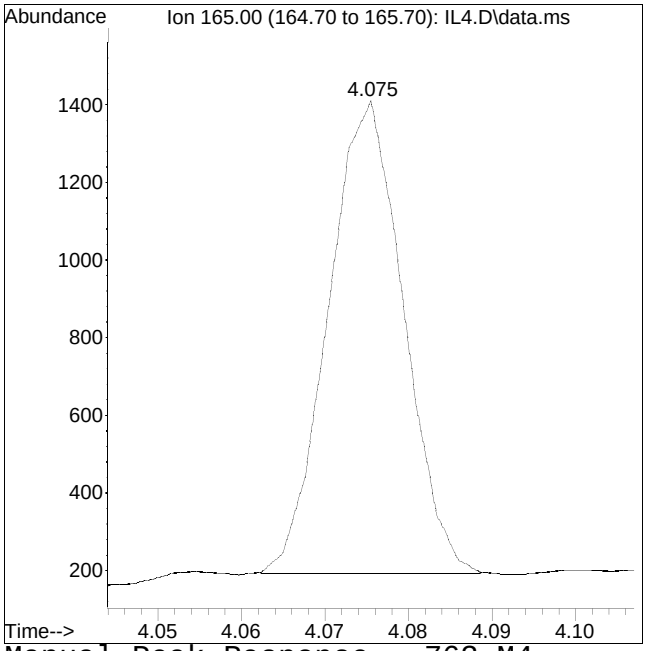
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #19: 2,4-Dinitrotoluene



Original Peak Response = 767



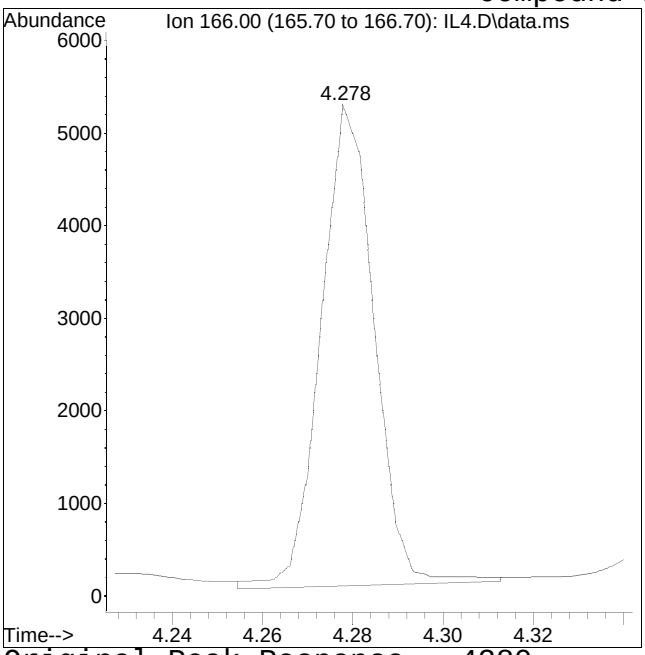
Manual Peak Response = 763 M4

M4 = Poor automated baseline construction.

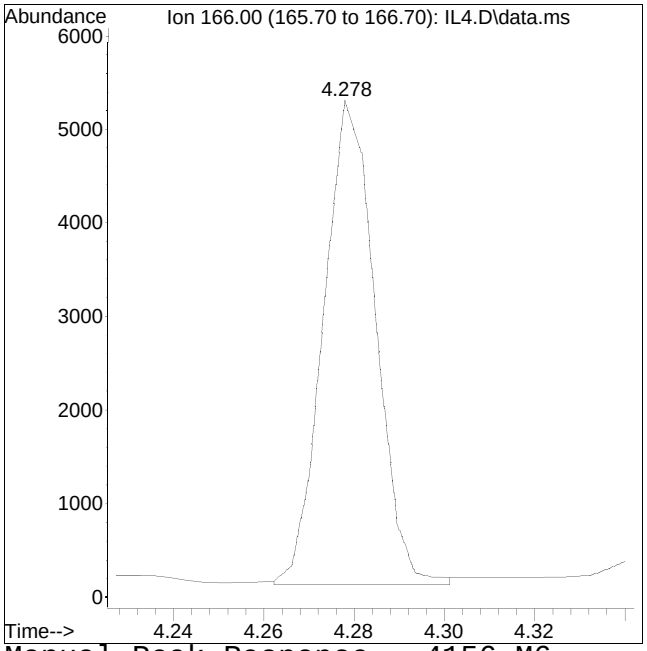
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #20: Fluorene



Original Peak Response = 4280



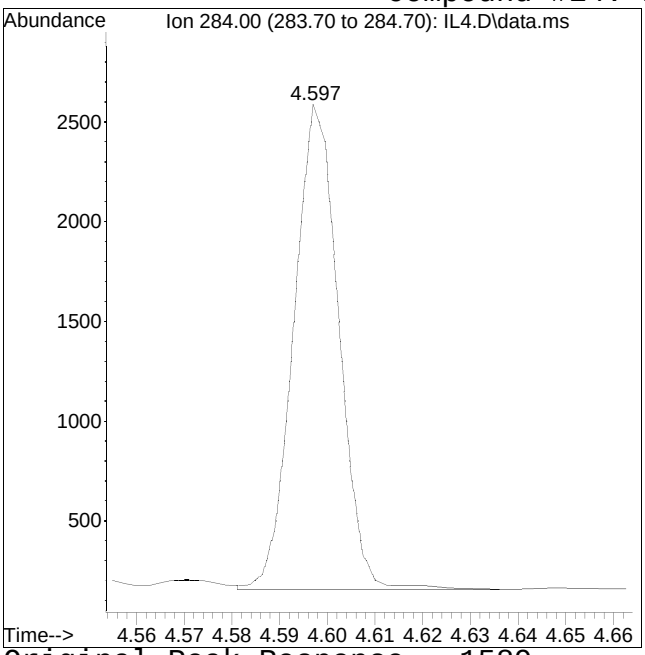
Manual Peak Response = 4156 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

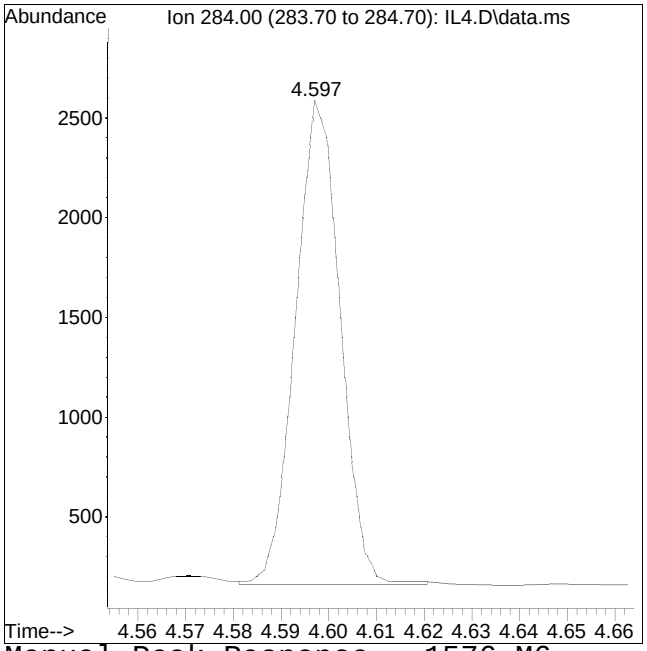
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 1589



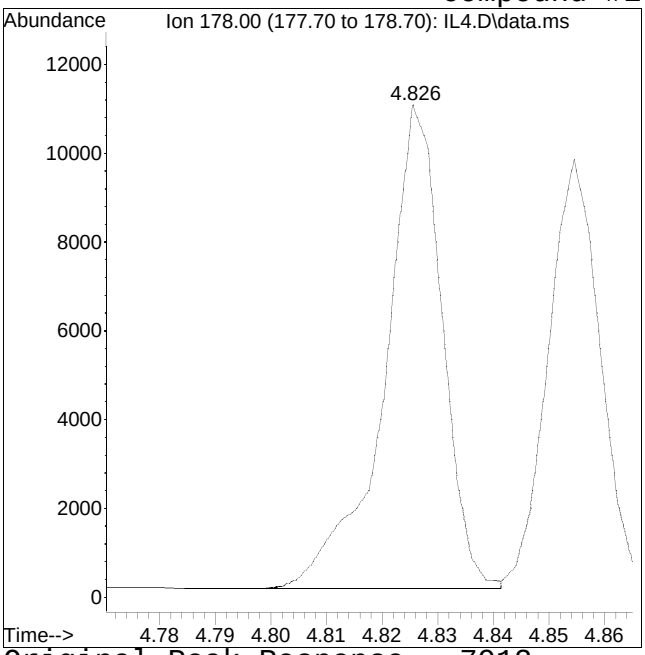
Manual Peak Response = 1576 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

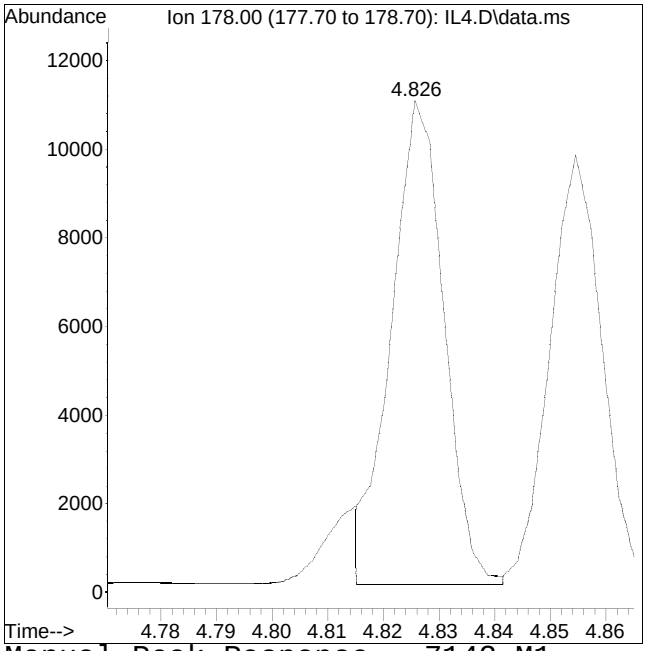
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 7912



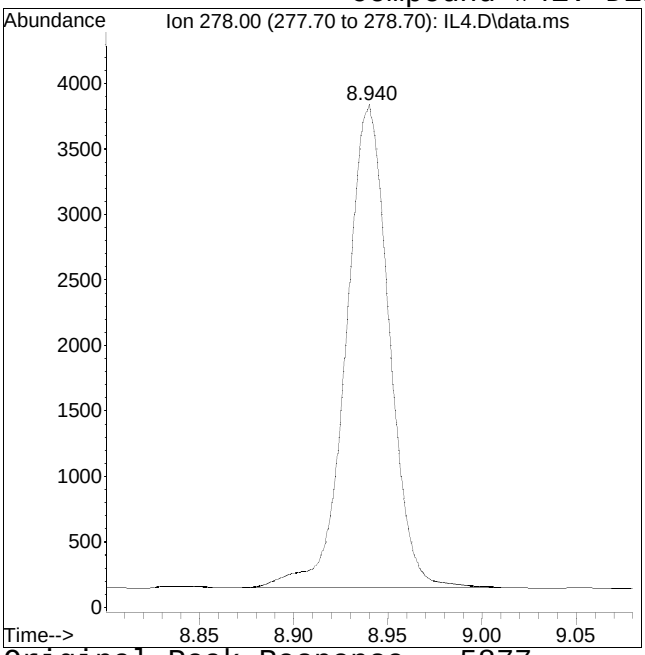
Manual Peak Response = 7142 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

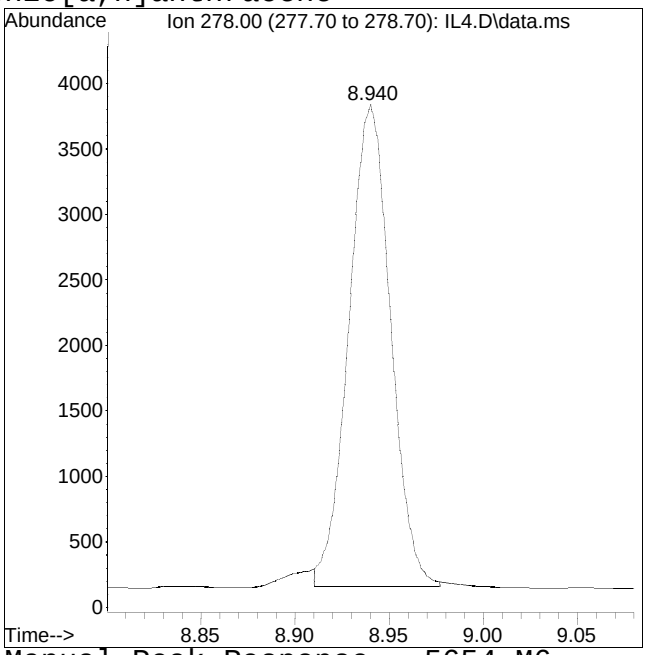
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 5877



Manual Peak Response = 5654 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 01:03 pm
Operator : SV125:jjw
Sample : IL3,32,,5.0 ng/ml #10893
Misc : WG1994329,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 18:13:34 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.323	152	625568	4000.000 ng/ml	0.00
Standard Area 1 = 709882			Recovery = 88.12%		
8) Naphthalene-d8	2.993	136	2162526	4000.000 ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 86.94%		
17) Acenaphthene-d10	3.973	164	1321252	4000.000 ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 82.86%		
22) Phenanthrene-d10	4.815	188	2812469	4000.000 ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 86.97%		
31) Chrysene-d12	6.384	240	2983878	4000.000 ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 87.49%		
36) Perylene-d12	7.652	264	3162161	4000.000 ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 82.36%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.732	112	844M6	5.021 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#		
3) Phenol-d6	2.129	99	1120	5.265 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#		
7) Nitrobenzene-d5	2.606	82	854	4.715 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.47%#		
13) 2-Fluorobiphenyl	3.590	172	2434	5.060 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#		
21) 2,4,6-Tribromophenol	4.414	330	275M6	3.838 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.19%#		
30) 4-Terphenyl-d14	5.726	244	3153	4.862 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.49%#		
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d	
5) n-nitrosodi-n-propylamine	2.526	70	595	4.911 ng/ml#	86
6) Hexachloroethane	2.584	117	394	5.010 ng/ml	97
9) Naphthalene	3.003	128	2890	4.977 ng/ml#	92
10) Hexachlorobutadiene	3.074	225	610	5.138 ng/ml	99
11) 2-Methylnaphthalene	3.384	142	1939	4.952 ng/ml	99
12) 1-Methylnaphthalene	3.438	142	1767	4.831 ng/ml	97
14) 2-Chloronaphthalene	3.656	162	2048	4.995 ng/ml	98
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 01:03 pm
Operator : SV125:jjw
Sample : IL3,32,,5.0 ng/ml #10893
Misc : WG1994329,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 18:13:34 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) Acenaphthylene	3.889	152	2738	4.705	ng/ml	99
18) Acenaphthene	3.989	153	2120M6	4.978	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.278	166	2288M6	4.866	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.597	284	886M6	4.913	ng/ml	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.826	178	3893M6	5.009	ng/ml	
27) Anthracene	4.855	178	3709	4.956	ng/ml	98
28) Fluoranthene	5.506	202	4373	4.899	ng/ml	100
29) Pyrene	5.636	202	4539	4.811	ng/ml	99
32) Benzo[a]anthracene	6.384	228	14171M6	5.301	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.400	228	3754	4.445	ng/ml#	85
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.252	252	4306	4.894	ng/ml	95
38) Benzo[k]fluoranthene	7.279	252	3717	4.622	ng/ml	98
39) Benzo[a]pyrene	7.579	252	3273	4.485	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.902	276	3554	4.535	ng/ml	98
41) Dibenzo[a,h]anthracene	8.941	278	3222M6	4.463	ng/ml	
42) Benzo[g,h,i]perylene	9.254	276	3397	4.461	ng/ml	100

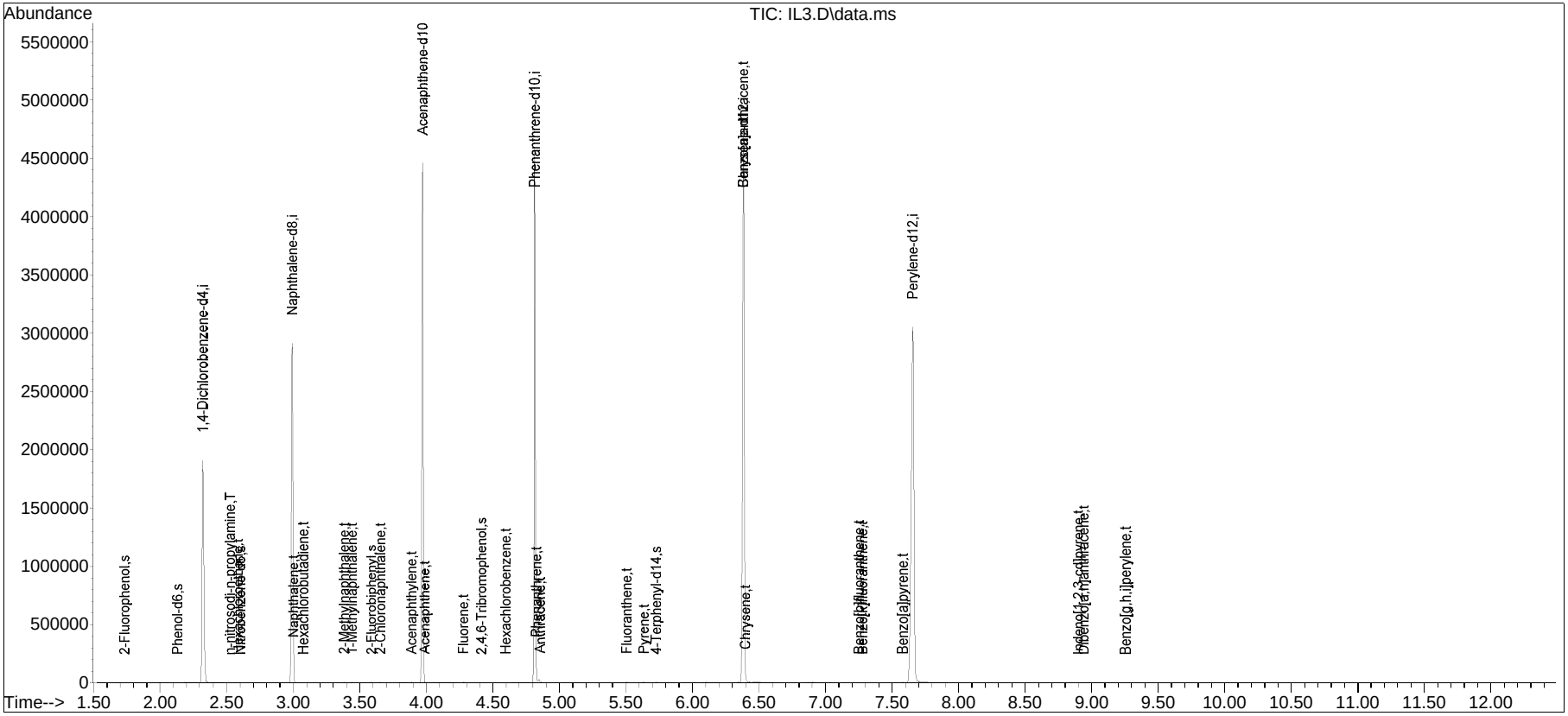
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 01:03 pm
Operator : SV125:jjw
Sample : IL3,32,,5.0 ng/ml #10893
Misc : WG1994329,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 18:13:34 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:08 2024
Response via : Initial Calibration

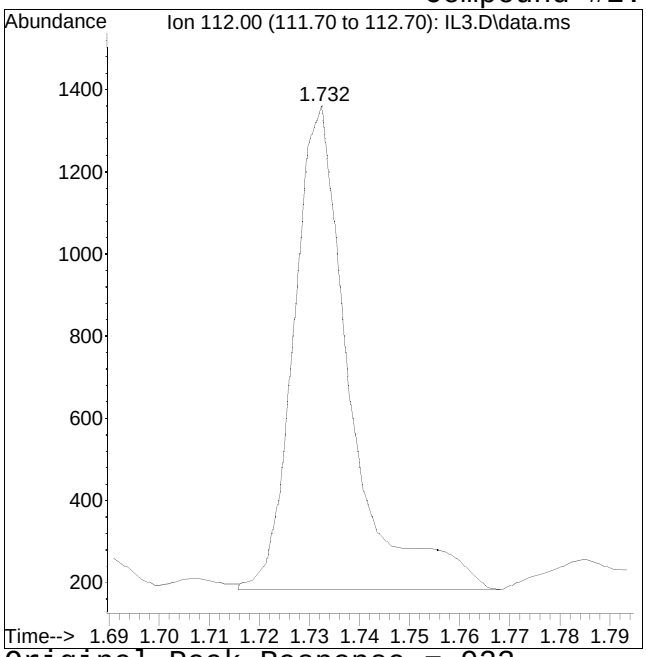
Sub List : Default - All compounds listedTical\IL8.D•



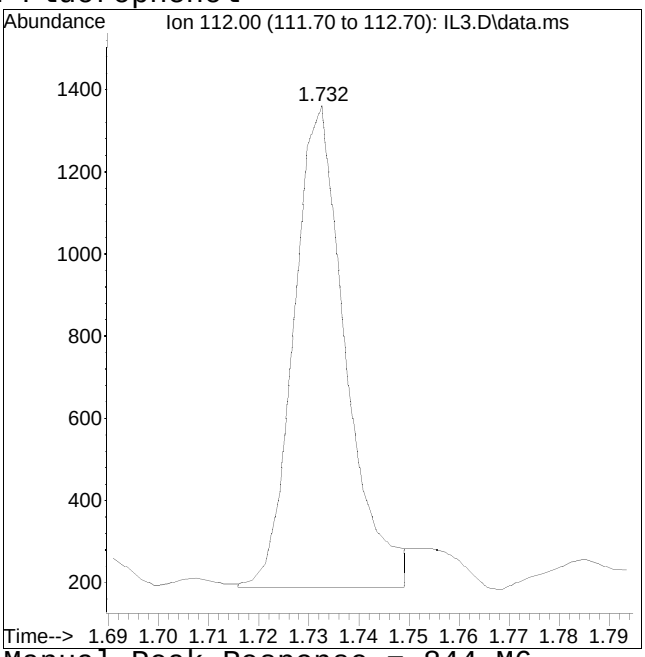
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #2: 2-Fluorophenol



Original Peak Response = 923



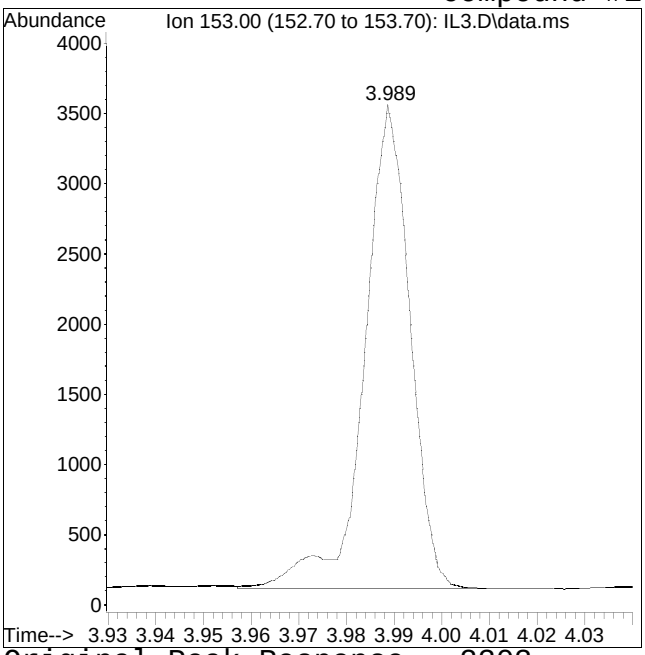
Manual Peak Response = 844 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

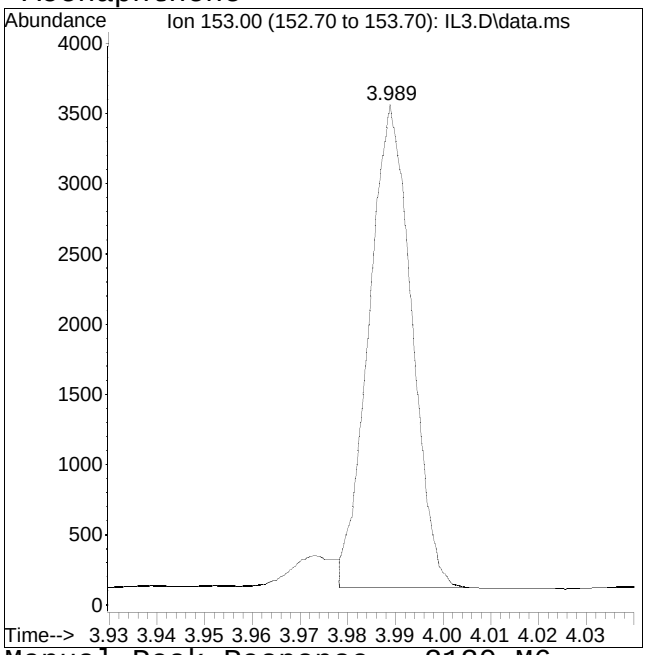
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #18: Acenaphthene



Original Peak Response = 2303



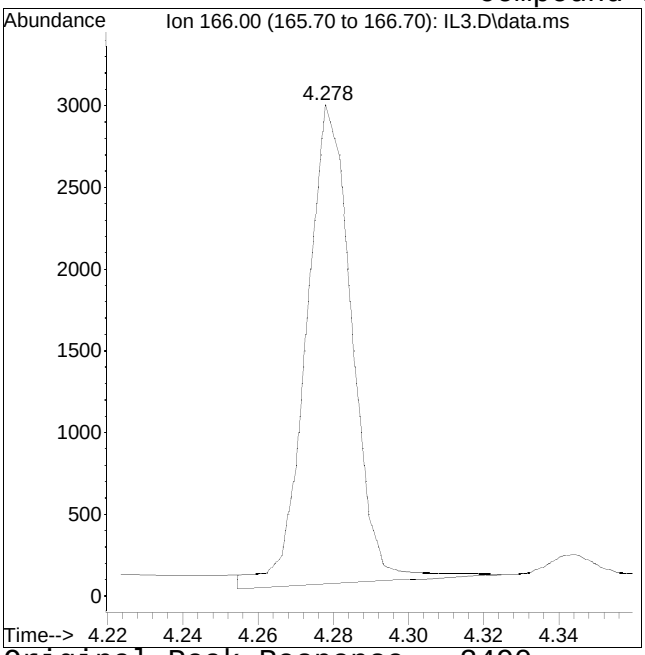
Manual Peak Response = 2120 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

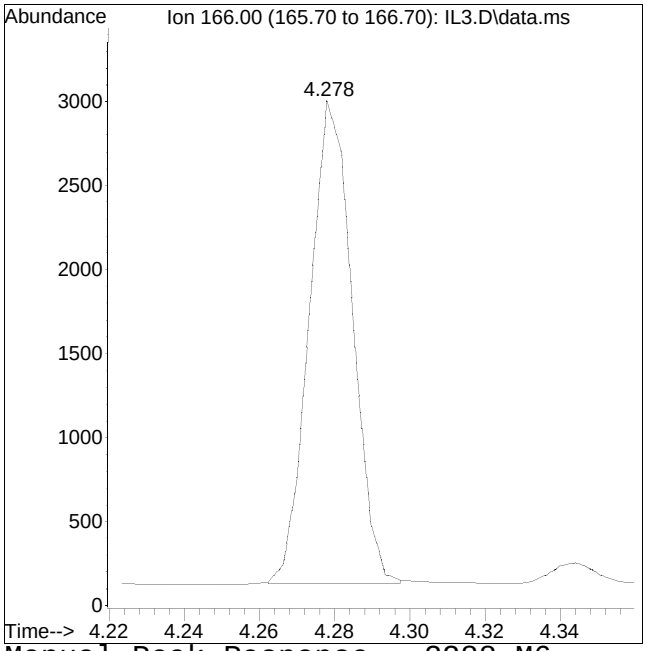
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #20: Fluorene



Original Peak Response = 2490



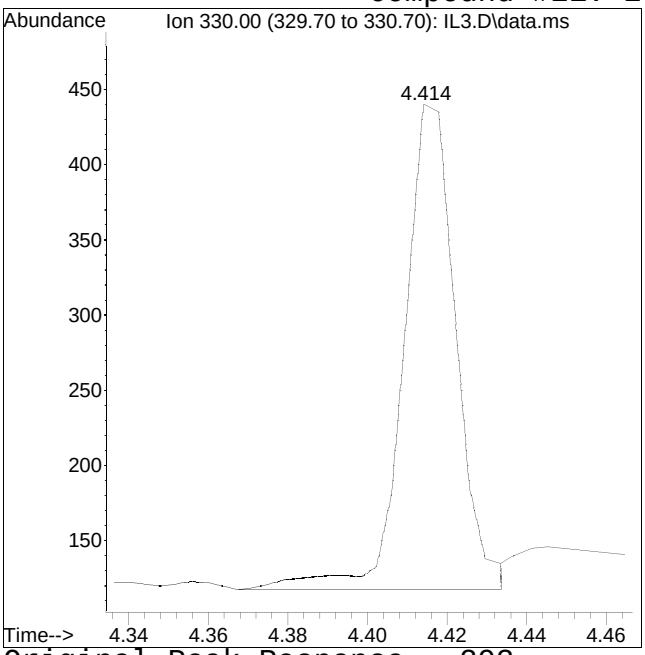
Manual Peak Response = 2288 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

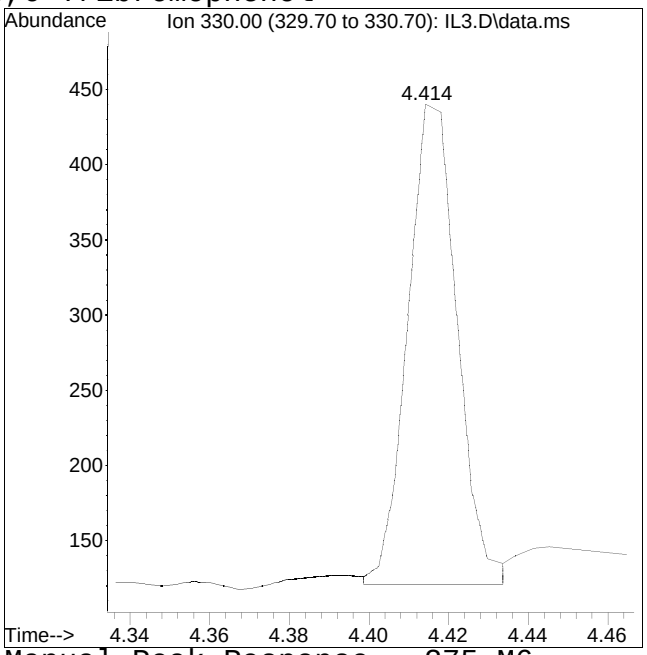
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL3.D
Date Inj'd : 11/5/2024 1:03 pm
Sample : IL3,32,,5.0 ng/ml #10893
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:58 pm

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 293



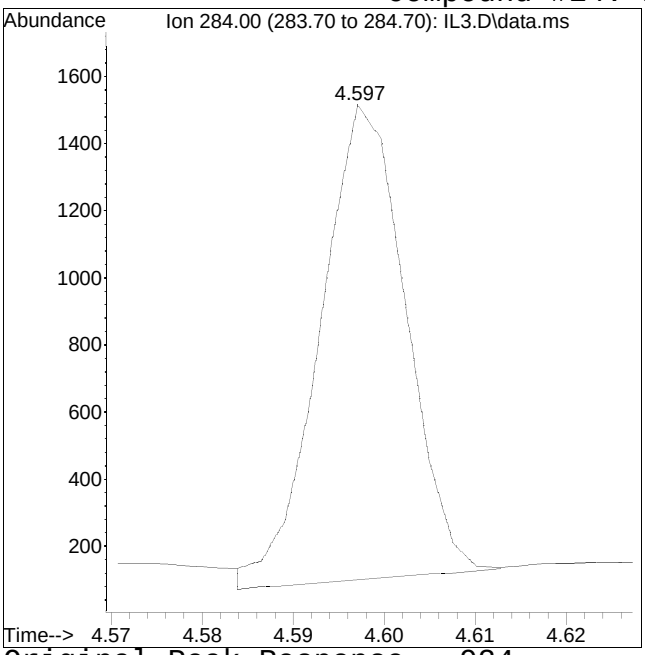
Manual Peak Response = 275 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

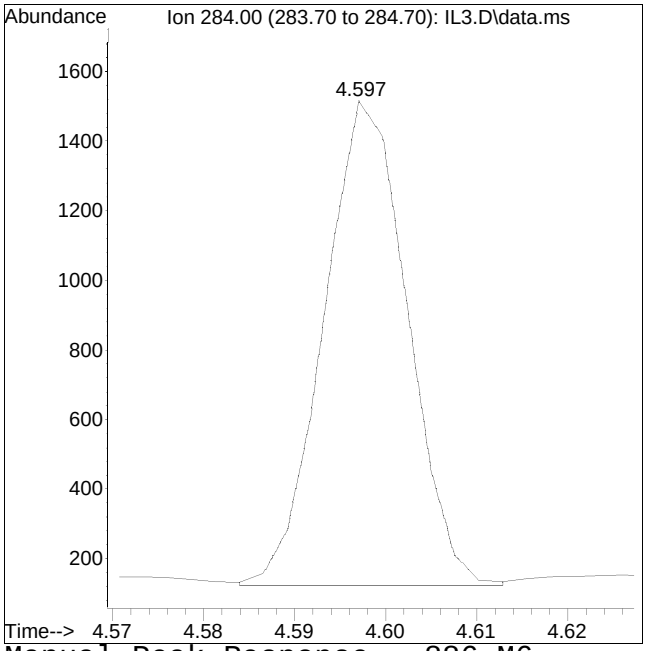
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 924



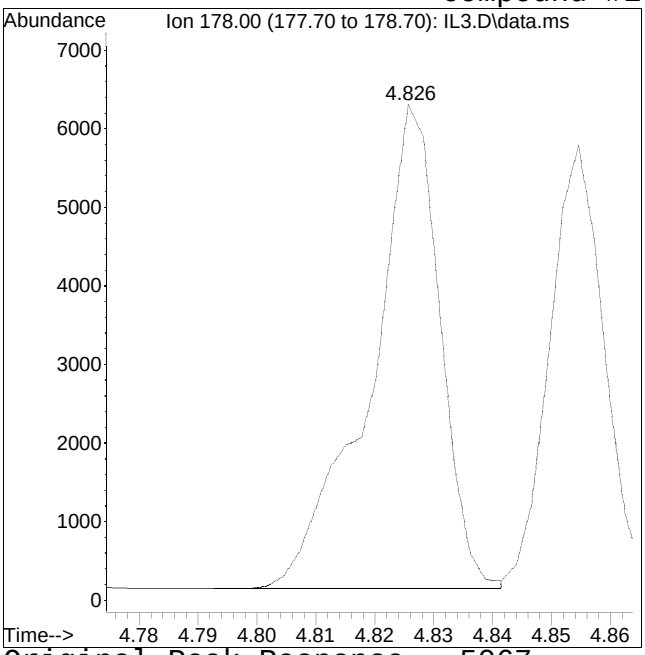
Manual Peak Response = 886 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

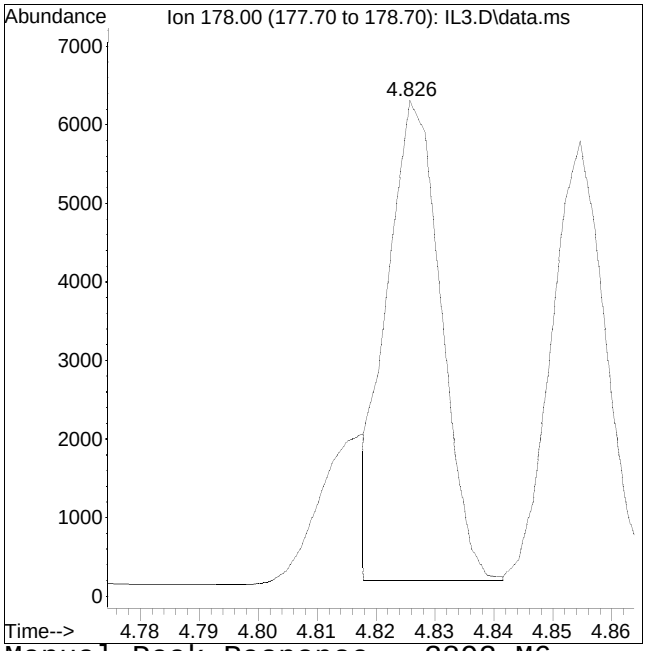
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 5067



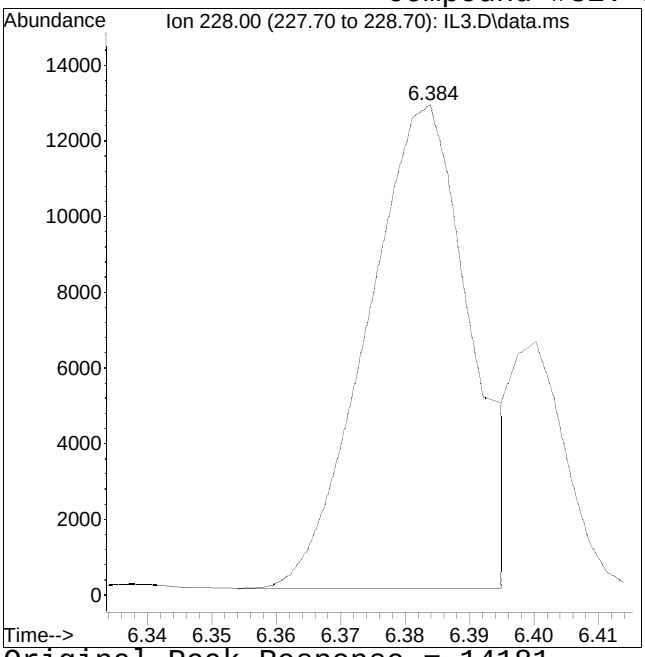
Manual Peak Response = 3893 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

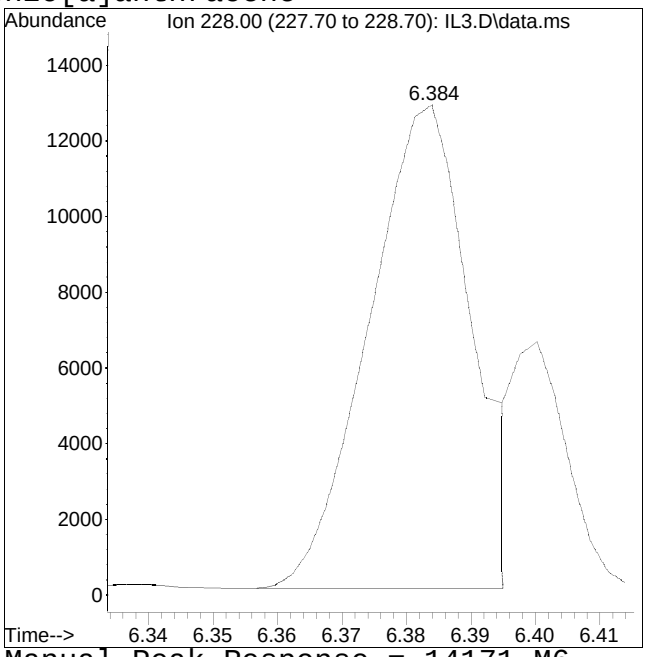
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 14181



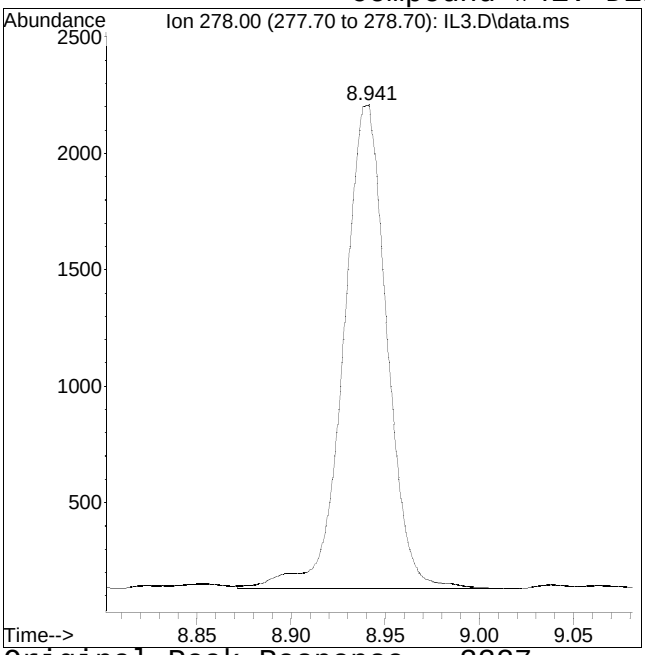
Manual Peak Response = 14171 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

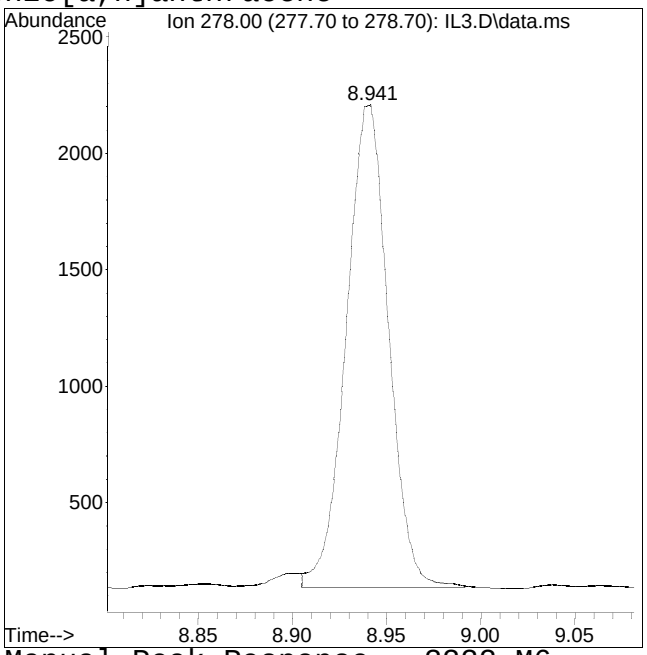
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 3327



Manual Peak Response = 3222 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 01:20 pm
Operator : SV125:jjw
Sample : IL2,32,,2.0 ng/ml #10900
Misc : WG1994329,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 18:13:42 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:02 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	536364	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery	= 75.56%		
8) Naphthalene-d8	2.990	136	1878295	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery	= 75.51%		
17) Acenaphthene-d10	3.973	164	1142017	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery	= 71.62%		
22) Phenanthrene-d10	4.813	188	2399632	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery	= 74.21%		
31) Chrysene-d12	6.385	240	2485907	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery	= 72.89%		
36) Perylene-d12	7.650	264	2721761	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery	= 70.89%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	314	2.179	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#		
3) Phenol-d6	2.126	99	458	2.511	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.13%#		
7) Nitrobenzene-d5	2.607	82	295	1.900	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.19%#		
13) 2-Fluorobiphenyl	3.587	172	882	2.111	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.21%#		
21) 2,4,6-Tribromophenol	4.416	330	109M2	1.760	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.09%#		
30) 4-Terphenyl-d14	5.728	244	1233	2.229	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.22%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	3.001	128	1195	2.369	ng/ml#	73
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.384	142	702	2.064	ng/ml	99
12) 1-Methylnaphthalene	3.439	142	673	2.118	ng/ml	98
14) 2-Chloronaphthalene	3.657	162	751	2.109	ng/ml	96
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.888	152	1019M6	2.016	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 01:20 pm
Operator : SV125:jjw
Sample : IL2,32,,2.0 ng/ml #10900
Misc : WG1994329,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 18:13:42 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:02 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.988	153	803	2.181	ng/ml#	74
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.280	166	864M6	2.126	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.598	284	347	2.255	ng/ml	90
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.826	178	1497M6	2.257	ng/ml	
27) Anthracene	4.855	178	1355	2.122	ng/ml	96
28) Fluoranthene	5.504	202	1637	2.149	ng/ml#	87
29) Pyrene	5.638	202	1726	2.144	ng/ml	94
32) Benzo[a]anthracene	6.382	228	9271M6	1.904	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.398	228	1234M3	1.754	ng/ml	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.254	252	1527	2.016	ng/ml	99
38) Benzo[k]fluoranthene	7.277	252	1258	1.818	ng/ml	99
39) Benzo[a]pyrene	7.577	252	1153	1.836	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.903	276	1249	1.851	ng/ml	99
41) Dibenzo[a,h]anthracene	8.940	278	1145M6	1.843	ng/ml	
42) Benzo[g,h,i]perylene	9.256	276	1256	1.916	ng/ml	100

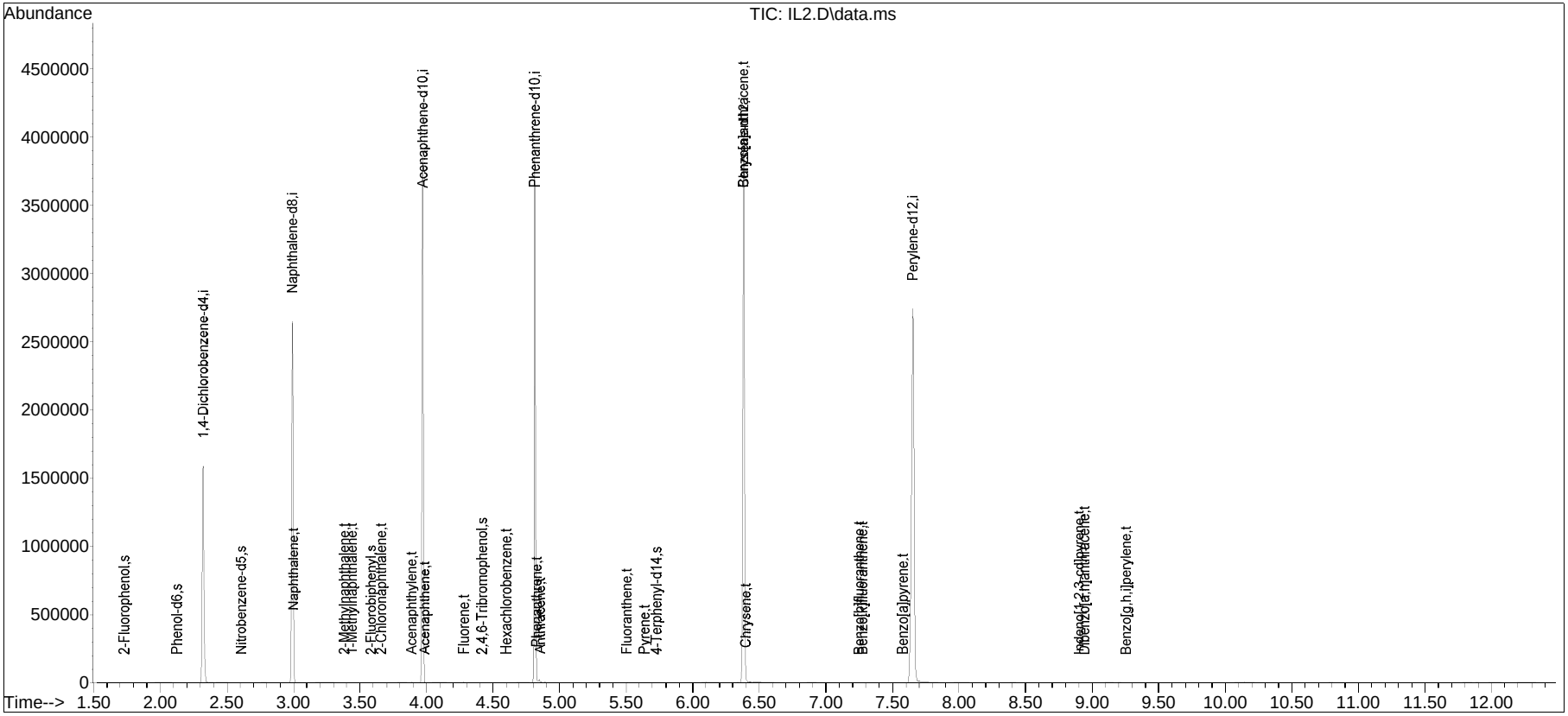
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 01:20 pm
Operator : SV125:jjw
Sample : IL2,32,,2.0 ng/ml #10900
Misc : WG1994329,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 18:13:42 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:02 2024
Response via : Initial Calibration

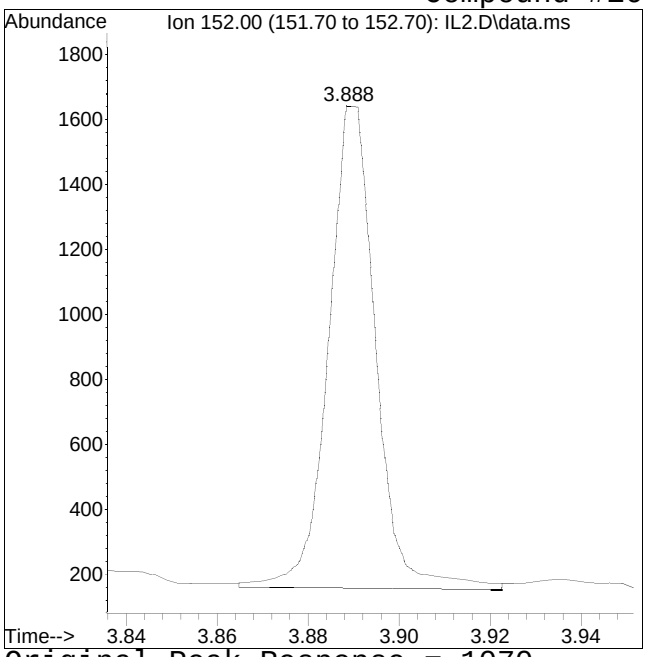
Sub List : Default - All compounds listedTical\IL8.D•



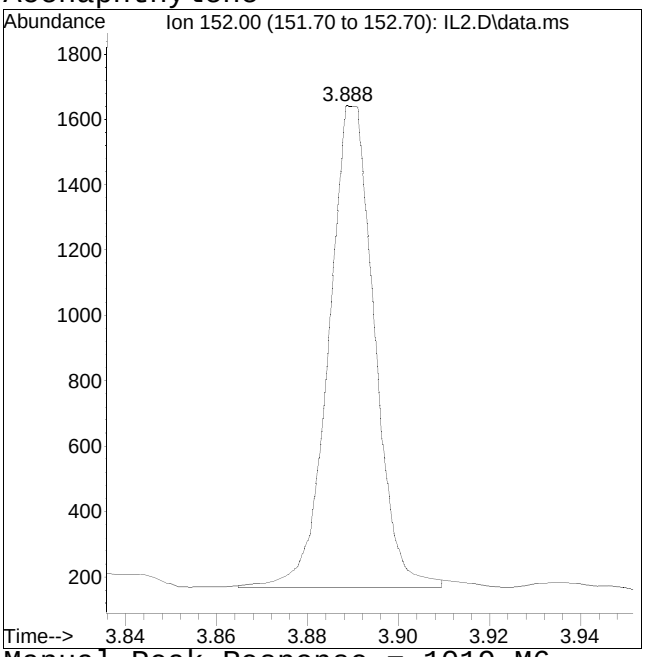
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #16: Acenaphthylene



Original Peak Response = 1070



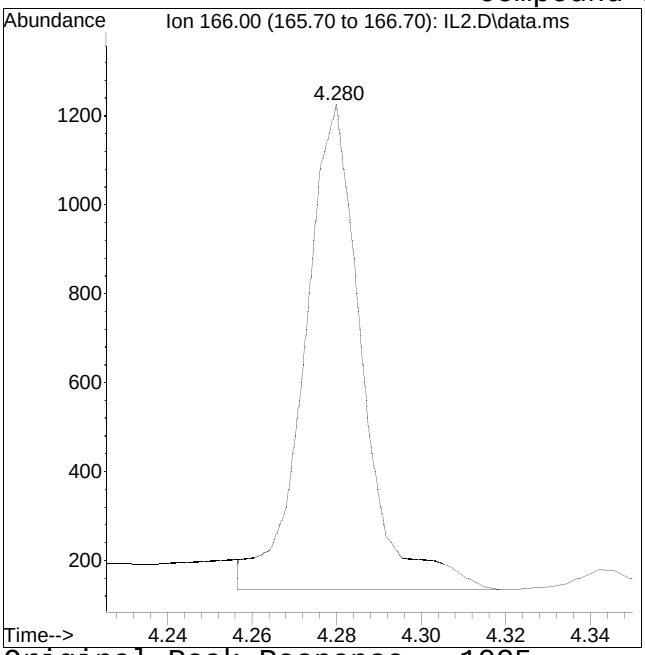
Manual Peak Response = 1019 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

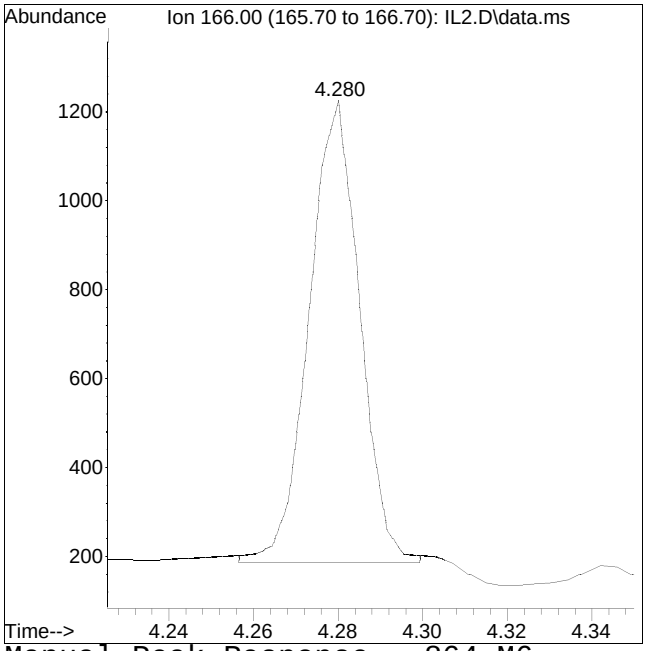
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #20: Fluorene



Original Peak Response = 1025



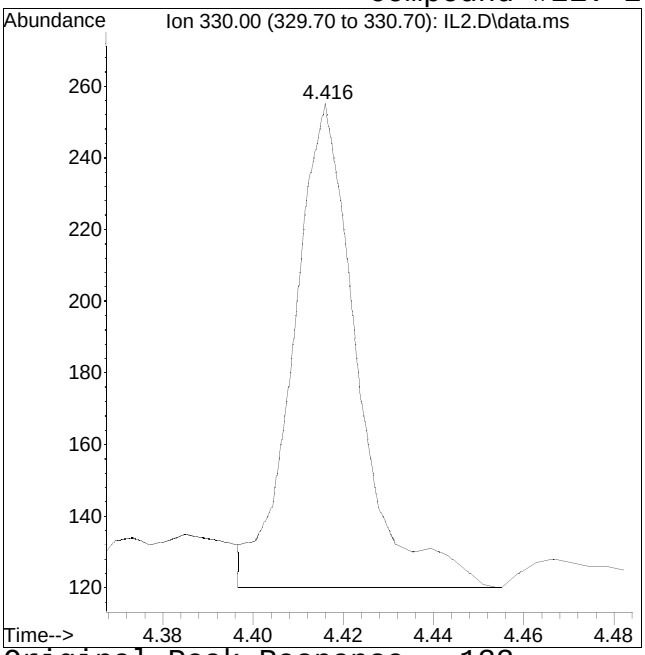
Manual Peak Response = 864 M6

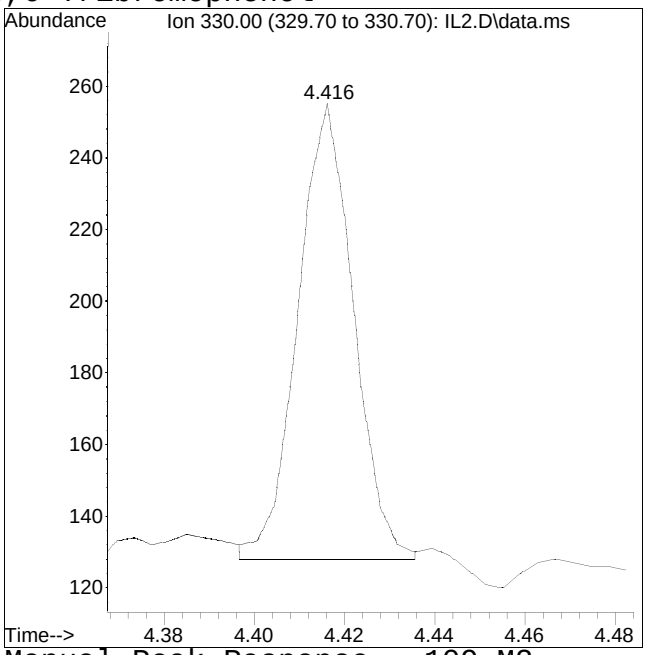
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #21: 2,4,6-Tribromophenol



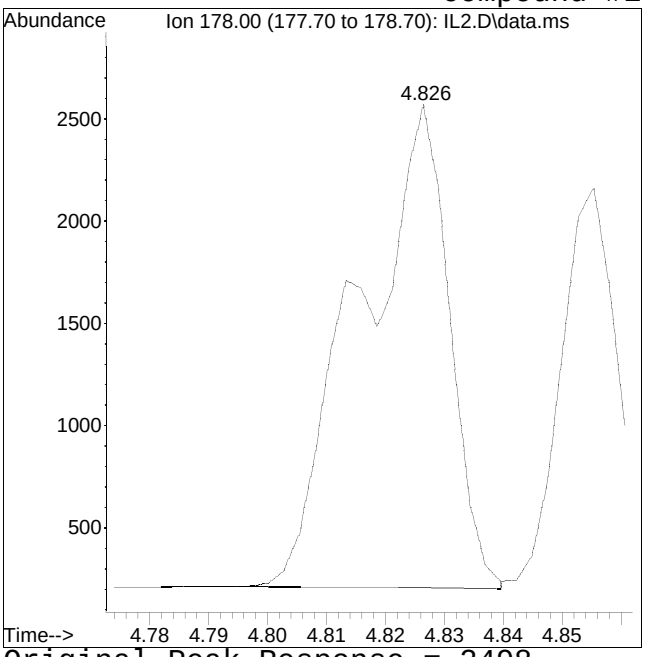


Original Peak Response = 133 Manual Peak Response = 109 M2
M2 = Peak not found by automatic integration algorithm.

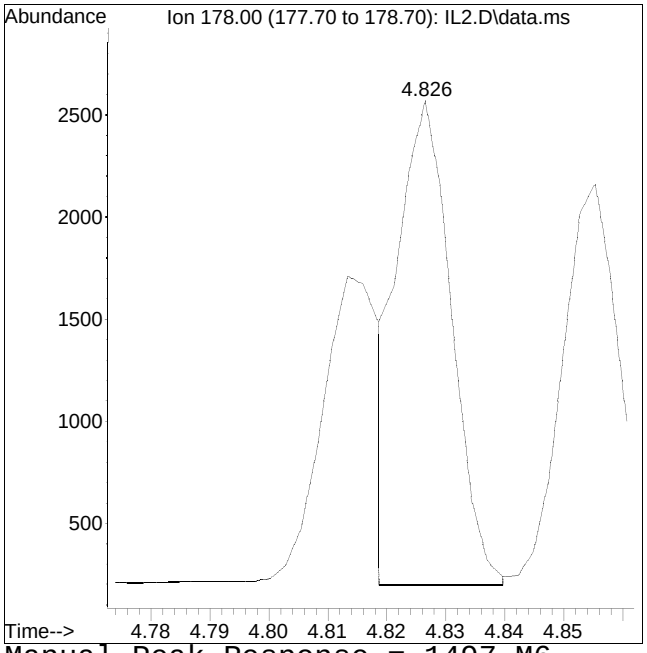
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 2498



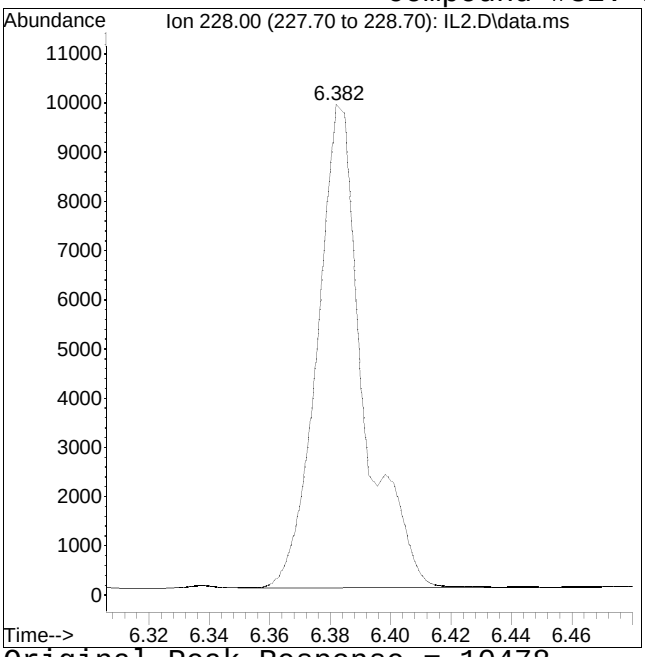
Manual Peak Response = 1497 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

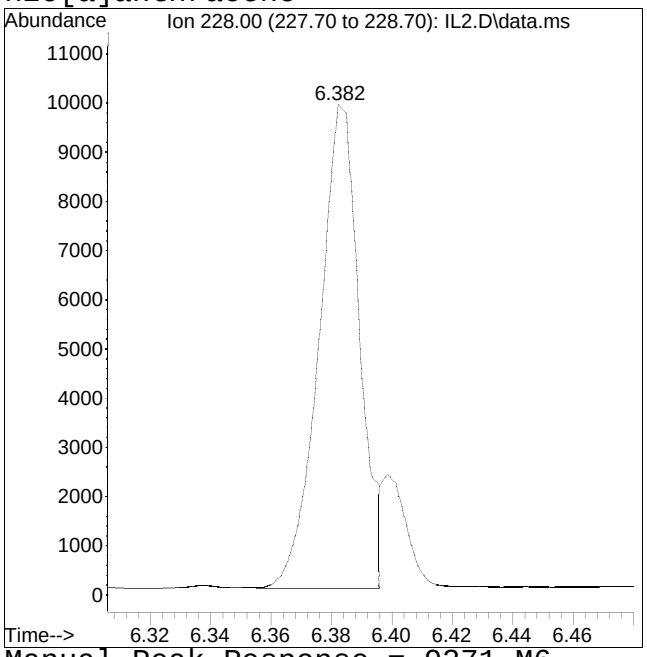
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 10478



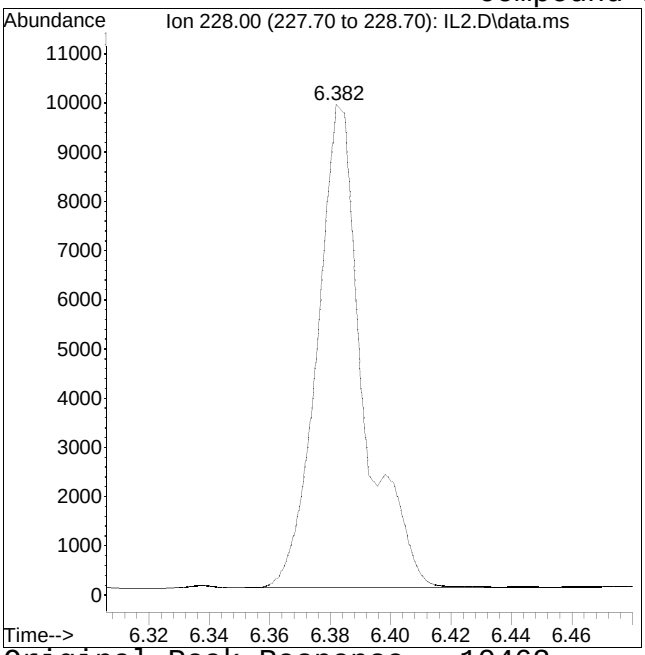
Manual Peak Response = 9271 M6

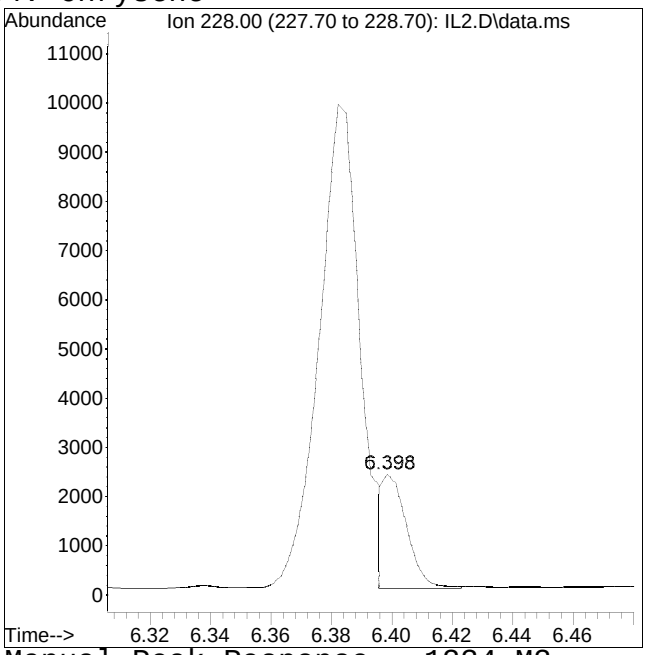
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #34: Chrysene





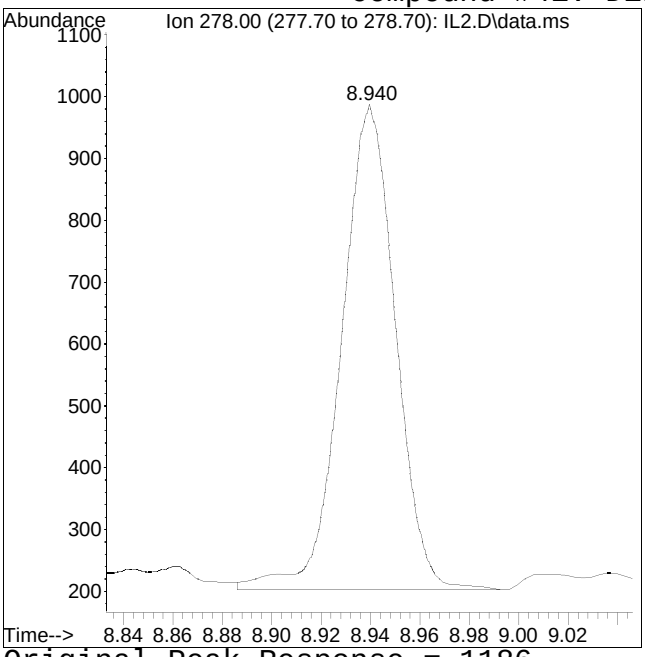
Original Peak Response = 10462 Manual Peak Response = 1234 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

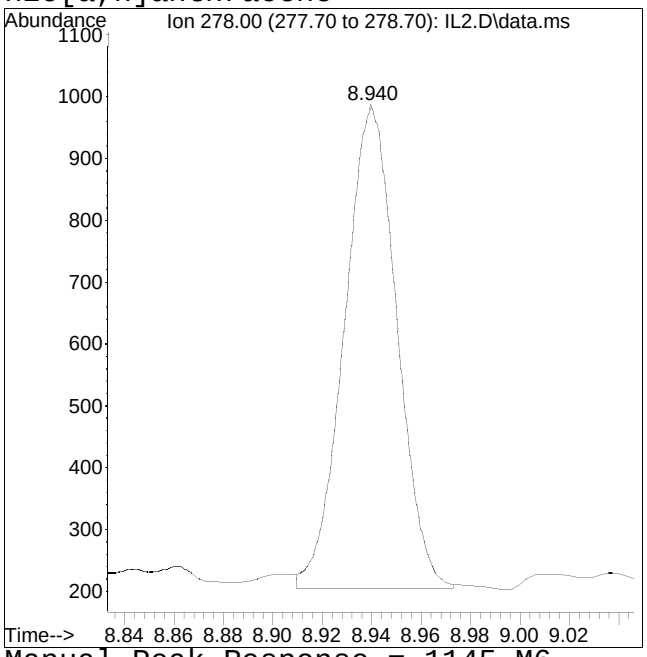
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1186



Manual Peak Response = 1145 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 01:36 pm
Operator : SV125:jjw
Sample : IL1,32,,1.0 ng/ml #10895
Misc : WG1994329,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 18:13:51 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.326	152	619091	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 87.21%			
8) Naphthalene-d8	2.991	136	2142498	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 86.13%			
17) Acenaphthene-d10	3.973	164	1329350	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 83.37%			
22) Phenanthrene-d10	4.816	188	2849834	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 88.13%			
31) Chrysene-d12	6.385	240	3038574	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 89.09%			
36) Perylene-d12	7.654	264	3268075	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 85.12%			
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
3) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
7) Nitrobenzene-d5	2.607	82	236	1.317	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.13%#			
13) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.00%#			
21) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
30) 4-Terphenyl-d14	5.729	244	819	1.246	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.382	142	416	1.072	ng/ml	97
12) 1-Methylnaphthalene	3.440	142	397	1.096	ng/ml	100
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.889	152	601M6	1.042	ng/ml	
18) Acenaphthene	3.988	153	473M6	1.104	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 01:36 pm
Operator : SV125:jjw
Sample : IL1,32,,1.0 ng/ml #10895
Misc : WG1994329,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 18:13:51 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.278	166	532M6	1.125	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.827	178	877M3	1.114	ng/ml	
27) Anthracene	4.856	178	850M6	1.121	ng/ml	
28) Fluoranthene	5.505	202	1058	1.170	ng/ml#	93
29) Pyrene	5.639	202	1201	1.256	ng/ml#	82
32) Benzo[a]anthracene	6.385	228	10373M6	0.852	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.399	228	673M3	0.782	ng/ml	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.255	252	938	1.031	ng/ml	96
38) Benzo[k]fluoranthene	7.281	252	813M6	0.978	ng/ml	
39) Benzo[a]pyrene	7.578	252	795	1.054	ng/ml#	77
40) Indeno[1,2,3-cd]pyrene	8.907	276	833	1.028	ng/ml#	91
41) Dibenzo[a,h]anthracene	8.940	278	679	0.910	ng/ml	98
42) Benzo[g,h,i]perylene	9.257	276	824	1.047	ng/ml#	90

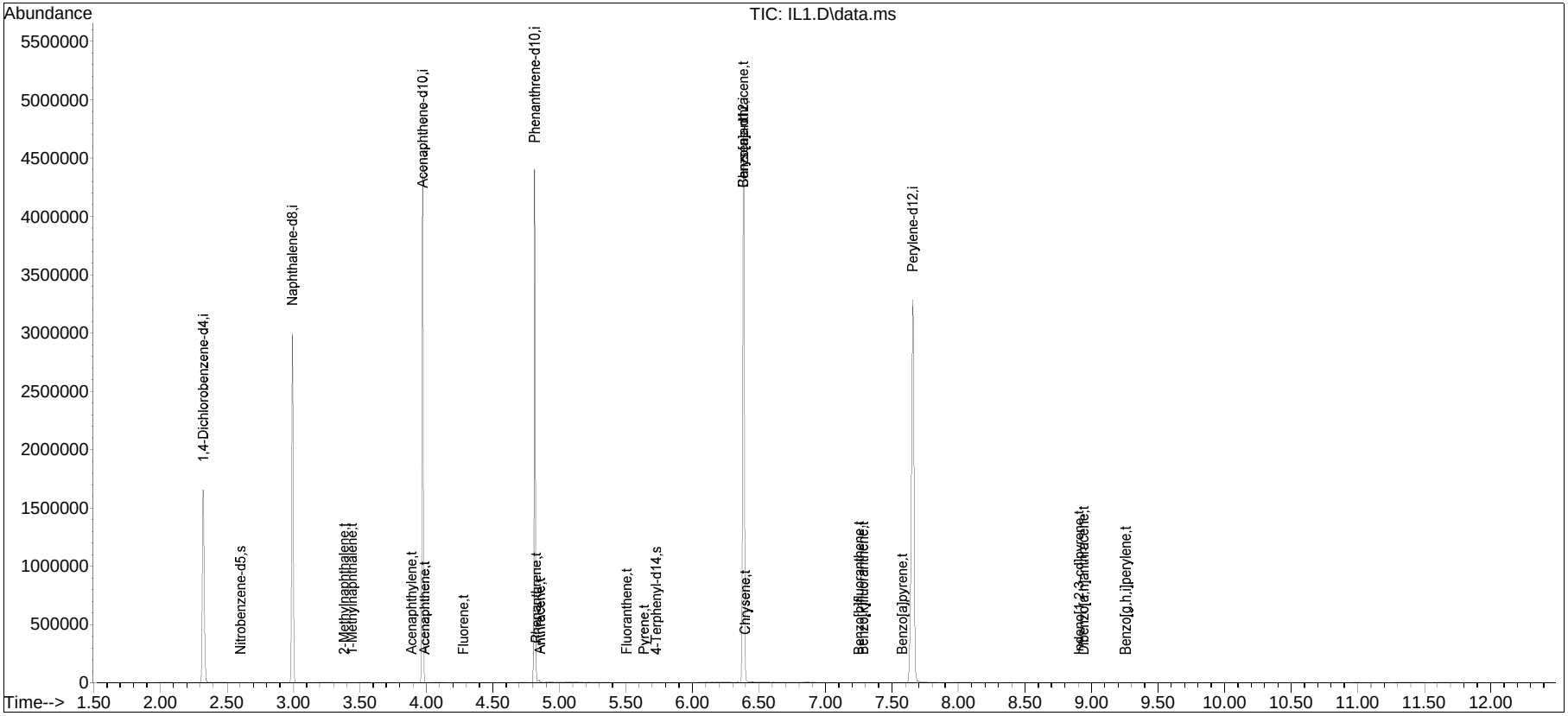
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 01:36 pm
Operator : SV125:jjw
Sample : IL1,32,,1.0 ng/ml #10895
Misc : WG1994329,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 18:13:51 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:50 2024
Response via : Initial Calibration

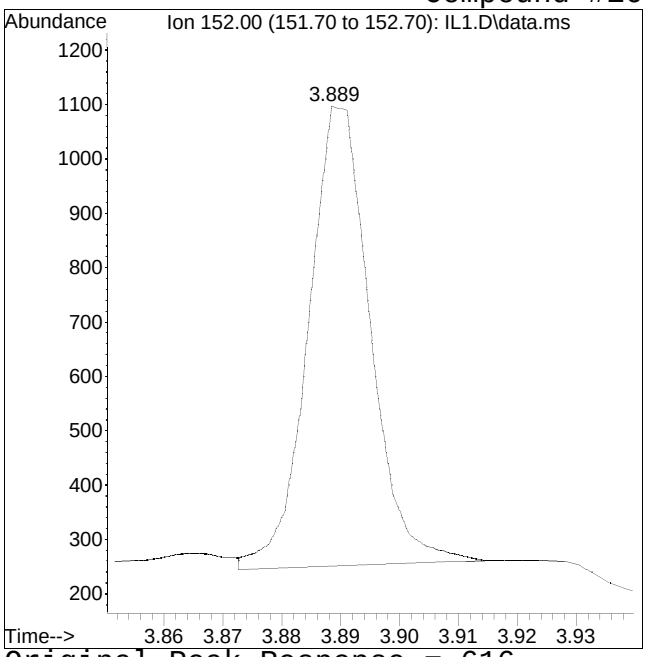
Sub List : Default - All compounds listedTical\IL8.D•



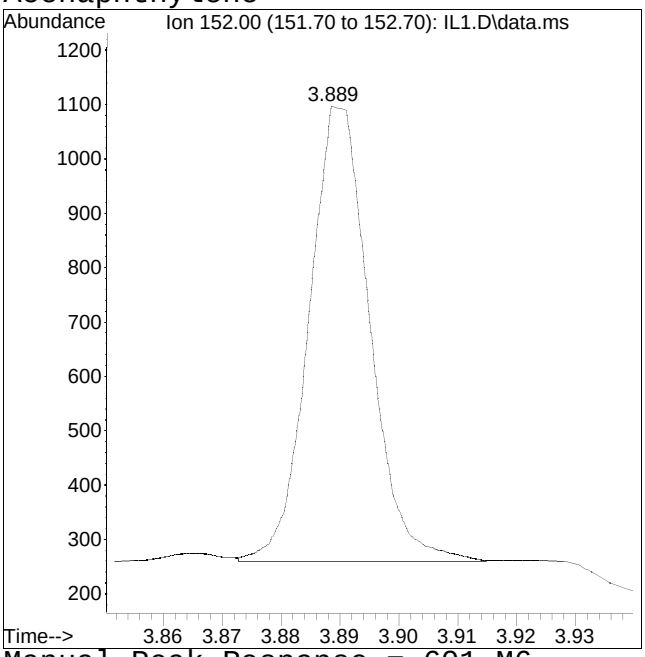
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #16: Acenaphthylene



Original Peak Response = 616



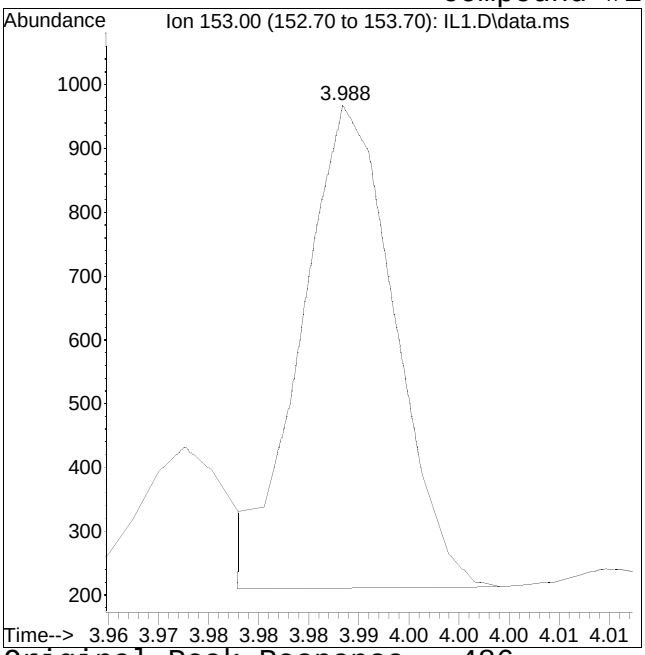
Manual Peak Response = 601 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

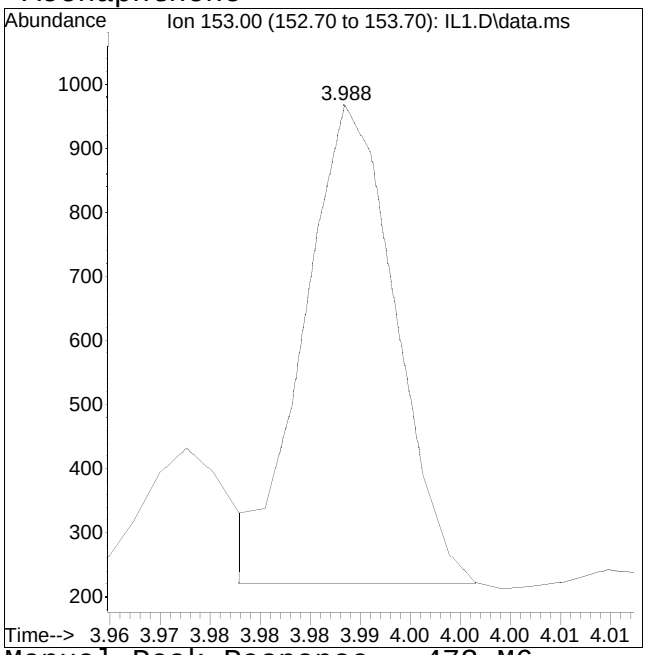
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #18: Acenaphthene



Original Peak Response = 486



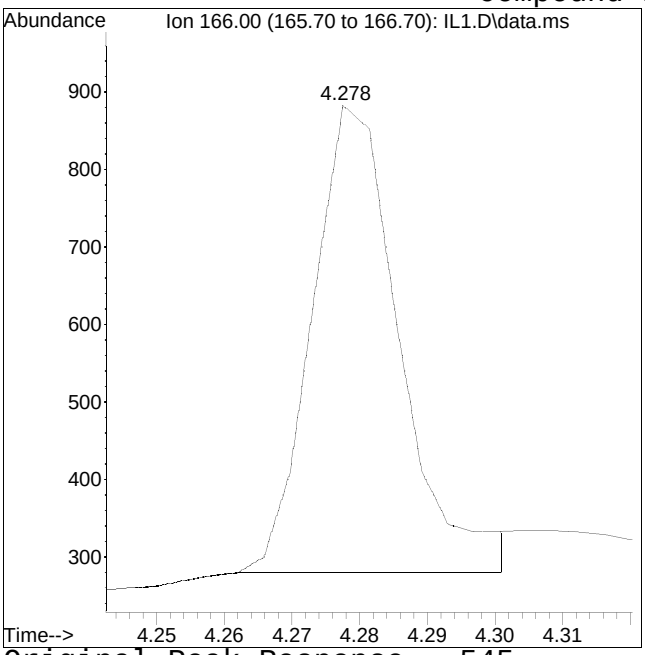
Manual Peak Response = 473 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

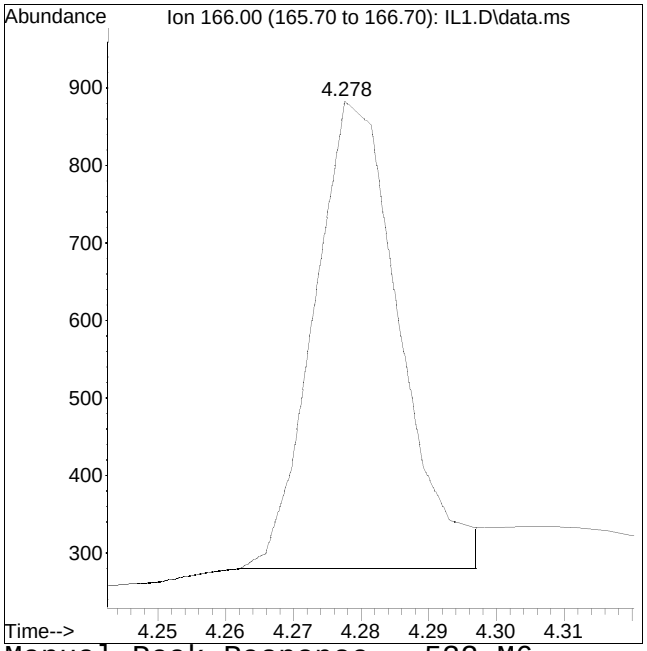
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #20: Fluorene



Original Peak Response = 545



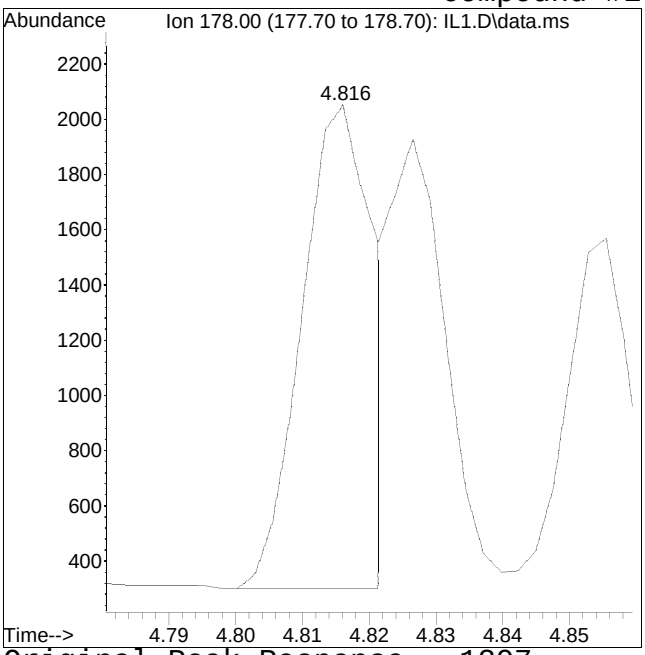
Manual Peak Response = 532 M6

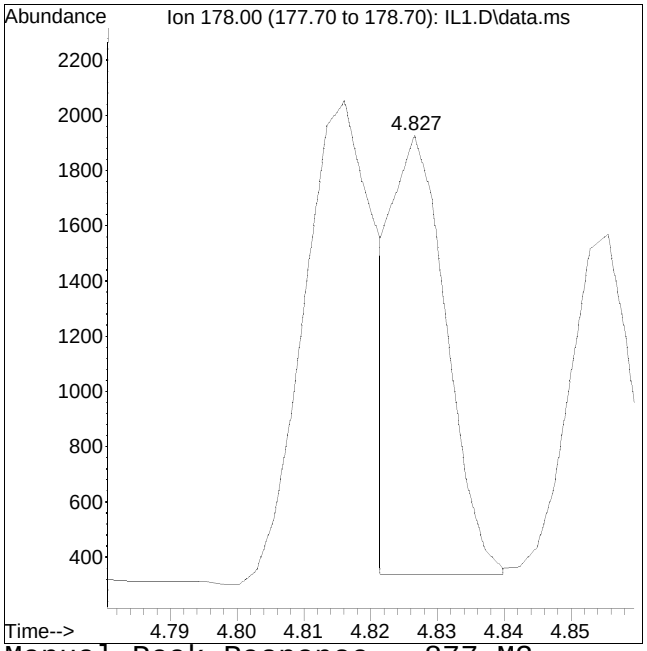
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #26: Phenanthrene





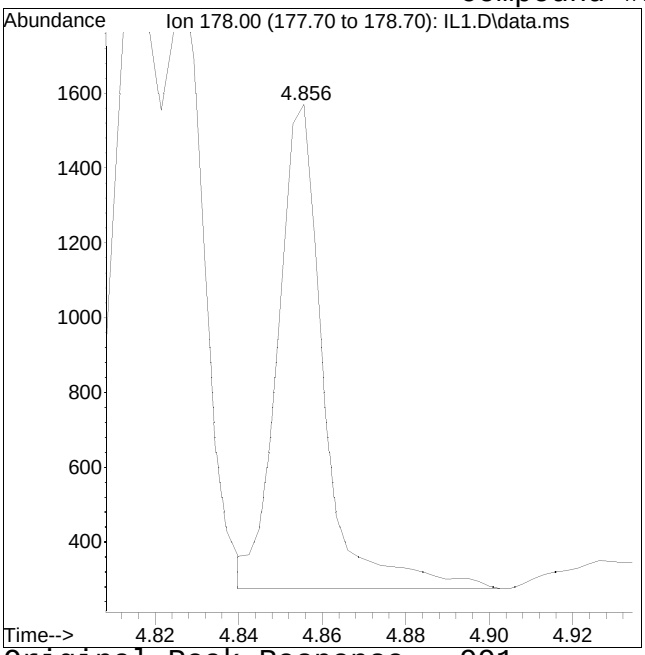
Original Peak Response = 1297 Manual Peak Response = 877 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

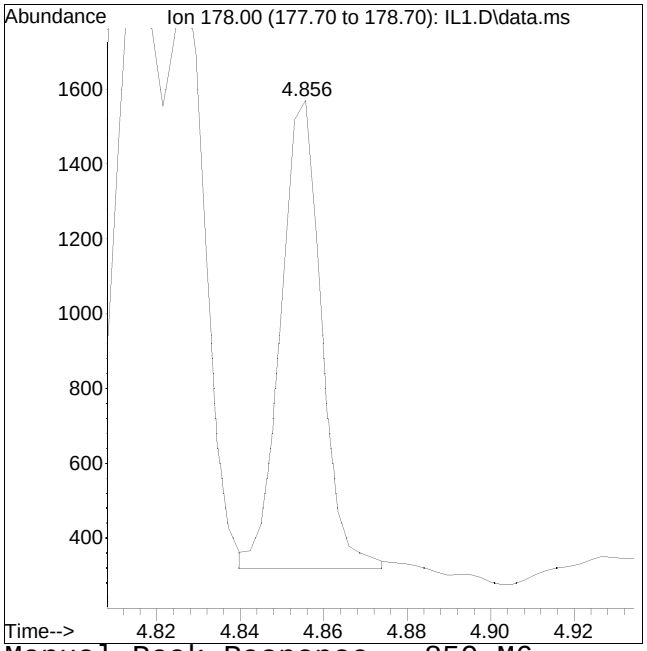
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #27: Anthracene



Original Peak Response = 991



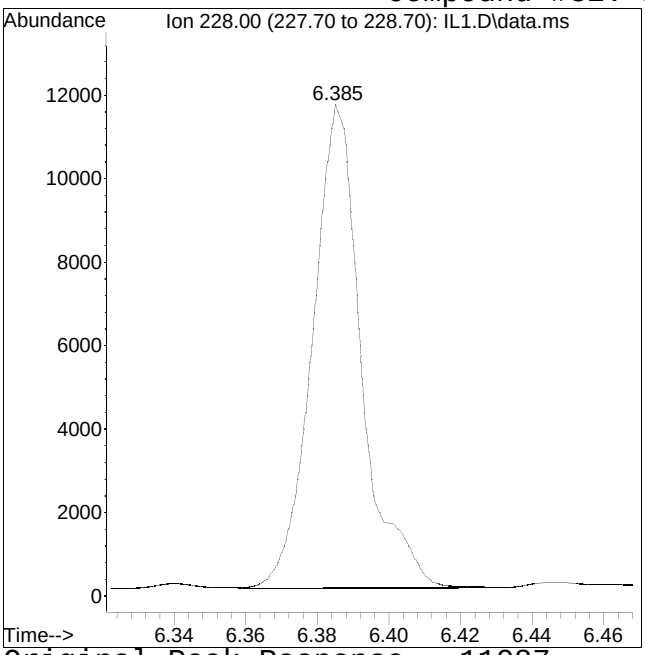
Manual Peak Response = 850 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

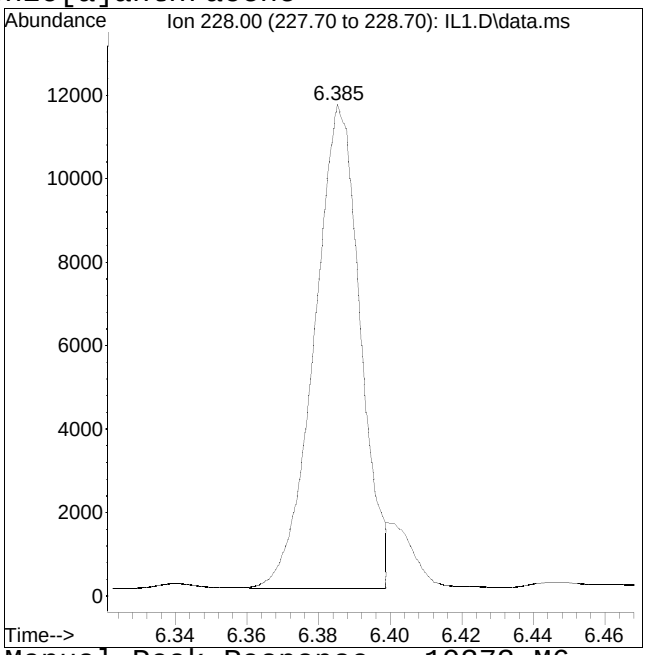
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 11087



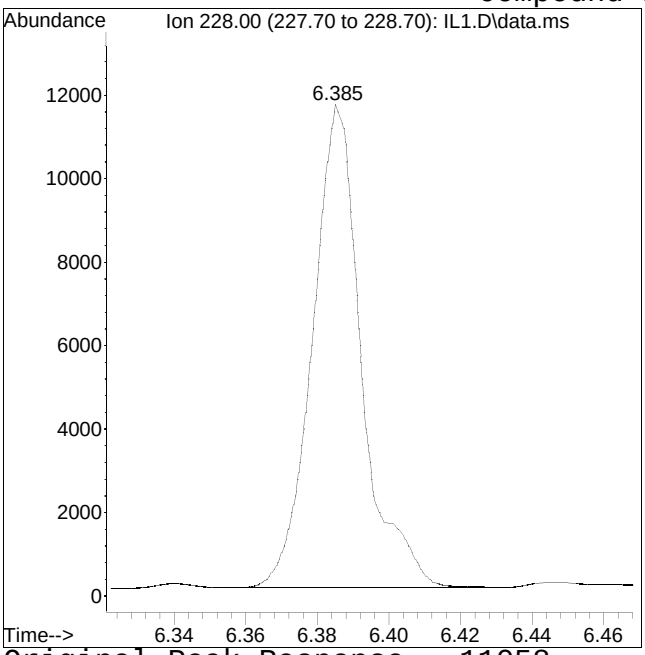
Manual Peak Response = 10373 M6

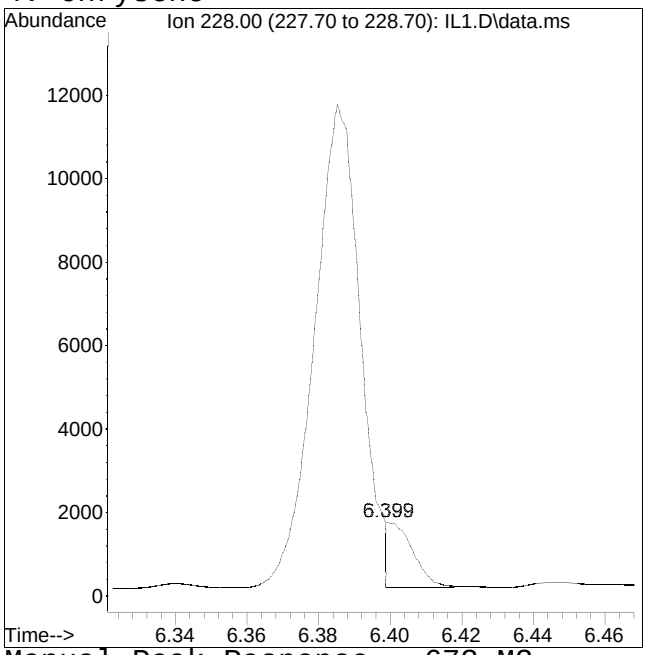
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #34: Chrysene



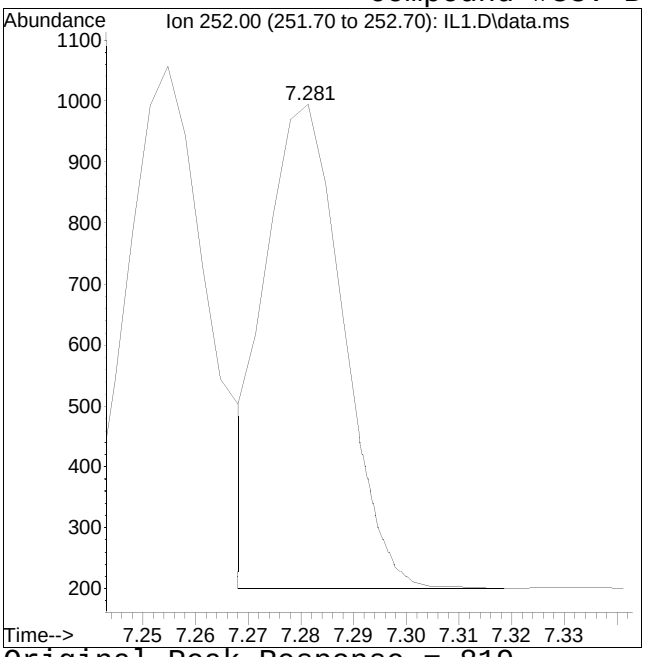


Original Peak Response = 11058 Manual Peak Response = 673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

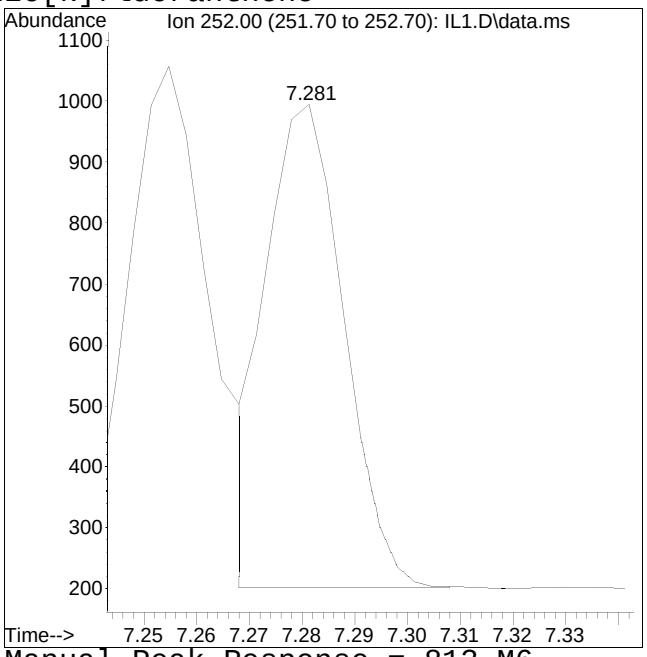
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 819



Manual Peak Response = 813 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2	s	2-Fluorophenol	1.075	1.043	3.0	88	0.00
3	s	Phenol-d6	1.360	1.266	6.9	86	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	937.786	6.2	88	0.00
5	T	n-nitrosodi-n-propylamine	0.775	0.728	6.1	80	0.00
6	t	Hexachloroethane	0.503	0.466	7.4	84	0.00
7	s	Nitrobenzene-d5	1.158	1.120	3.3	83	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	89	0.00
9	t	Naphthalene	1.074	0.979	8.8	84	0.00
10	t	Hexachlorobutadiene	0.220	0.208	5.5	86	0.00
11	t	2-Methylnaphthalene	0.724	0.685	5.4	85	0.00
12	t	1-Methylnaphthalene	0.677	0.631	6.8	85	0.00
13	s	2-Fluorobiphenyl	0.890	0.825	7.3	84	0.00
14	t	2-Chloronaphthalene	0.758	0.699	7.8	82	0.00
15	t	2,6-Dinitrotoluene	0.173	0.165	4.6	80	0.00
16	t	Acenaphthylene	1.076	1.050	2.4	83	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
18	t	Acenaphthene	1.289	1.176	8.8	83	0.00
19	t	2,4-Dinitrotoluene	0.376	0.370	1.6	80	0.00
20	t	Fluorene	1.423	1.311	7.9	82	0.00
21	s	2,4,6-Tribromophenol	0.217	0.246	-13.4	87	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	843.675	15.6	76	0.00
24	t	Hexachlorobenzene	0.256	0.235	8.2	84	0.00
25	t	Pentachlorophenol	*1000.000	1001.413	-0.1	83	0.00
26	t	Phenanthrene	1.105	0.995	10.0	84	0.00
27	t	Anthracene	1.064	1.012	4.9	84	0.00
28	t	Fluoranthene	1.270	1.186	6.6	85	0.00
29	t	Pyrene	1.342	1.266	5.7	86	0.00
30	s	4-Terphenyl-d14	0.922	0.834	9.5	85	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	88	0.00
32	t	Benzo[a]anthracene	*1000.000	990.668	0.9	83	0.00
33	t	3,3'-Dichlorobenzidine	0.448	0.459	-2.5	83	0.00
34	t	Chrysene	1.132	1.150	-1.6	83	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.648	0.620	4.3	79	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	87	0.00
37	t	Benzo[b]fluoranthene	1.113	1.075	3.4	83	0.00
38	t	Benzo[k]fluoranthene	1.017	1.009	0.8	83	0.00
39	t	Benzo[a]pyrene	0.923	0.940	-1.8	83	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.991	0.970	2.1	82	0.00
41	t	Dibenzo[a,h]anthracene	0.913	0.947	-3.7	85	0.00
42	t	Benzo[g,h,i]perylene	0.963	0.956	0.7	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	626476	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 88.25%			
8) Naphthalene-d8	2.993	136	2204473	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 88.63%			
17) Acenaphthene-d10	3.973	164	1383082	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 86.74%			
22) Phenanthrene-d10	4.815	188	2888519	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 89.33%			
31) Chrysene-d12	6.387	240	3000961	4000.000	ng/ml	0.00
Standard Area 1 = 3410694			Recovery = 87.99%			
36) Perylene-d12	7.653	264	3353236	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 87.34%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	163278	969.975	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.50%			
3) Phenol-d6	2.130	99	198352	931.002	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.55%			
7) Nitrobenzene-d5	2.607	82	175417	967.080	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.71%			
13) 2-Fluorobiphenyl	3.590	172	454449	926.696	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.67%			
21) 2,4,6-Tribromophenol	4.415	330	85015	1133.313	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.67%			
30) 4-Terphenyl-d14	5.727	244	602567	904.755	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.48%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.186	93	165470	937.786	ng/ml	96
5) n-nitrosodi-n-propylamine	2.523	70	113988	939.541	ng/ml	100
6) Hexachloroethane	2.584	117	73020	927.198	ng/ml	100
9) Naphthalene	3.003	128	539792	911.852	ng/ml	100
10) Hexachlorobutadiene	3.074	225	114583	946.726	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	377547	945.948	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	347752	932.661	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	385400	922.043	ng/ml	99
15) 2,6-Dinitrotoluene	3.847	165	91047	953.821	ng/ml	99
16) Acenaphthylene	3.891	152	578771	975.564	ng/ml	100
18) Acenaphthene	3.989	153	406504	911.829	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	127820	982.586	ng/ml	98
20) Fluorene	4.279	166	453438	921.268	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.306	198	75164	843.675	ng/ml	98
24) Hexachlorobenzene	4.597	284	169510	915.210	ng/ml	99
25) Pentachlorophenol	4.707	266	89449	1001.413	ng/ml	100
26) Phenanthrene	4.828	178	718689	900.282	ng/ml	100
27) Anthracene	4.854	178	730853	950.793	ng/ml	100
28) Fluoranthene	5.507	202	856217	933.858	ng/ml	100
29) Pyrene	5.637	202	913997	943.316	ng/ml	100
32) Benzo[a]anthracene	6.376	228	901993	990.668	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.357	252	344437	1023.922	ng/ml	100
34) Chrysene	6.403	228	862997	1015.948	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.392	149	465133	957.038	ng/ml	100
37) Benzo[b]fluoranthene	7.256	252	900795	965.394	ng/ml	100
38) Benzo[k]fluoranthene	7.283	252	845590	991.617	ng/ml	100
39) Benzo[a]pyrene	7.579	252	787817	1018.009	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.912	276	813164	978.390	ng/ml	99
41) Dibenzo[a,h]anthracene	8.945	278	793775M6	1036.873	ng/ml	
42) Benzo[g,h,i]perylene	9.265	276	801192	992.145	ng/ml	100

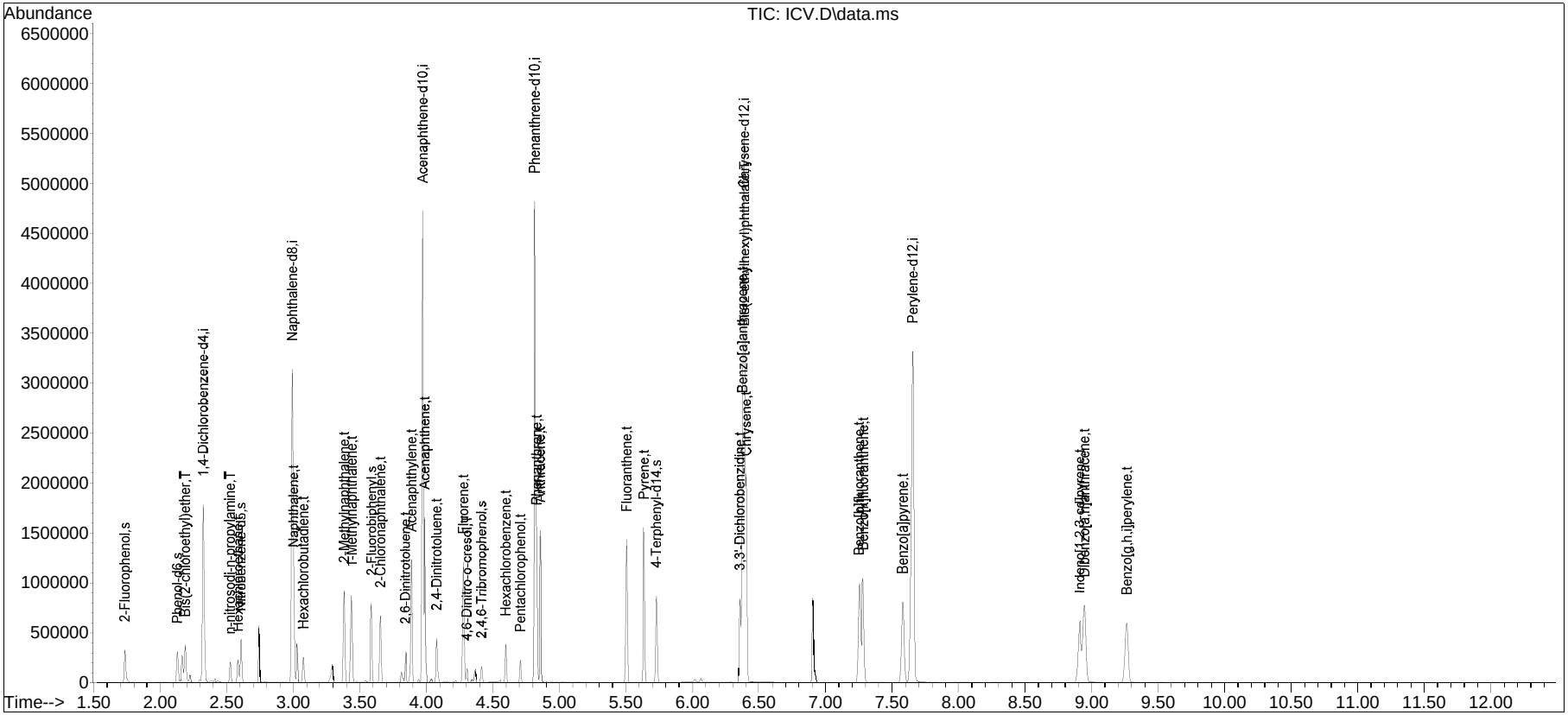
(#) = qualifier out of range (m) = manual integration (+) = signals summed

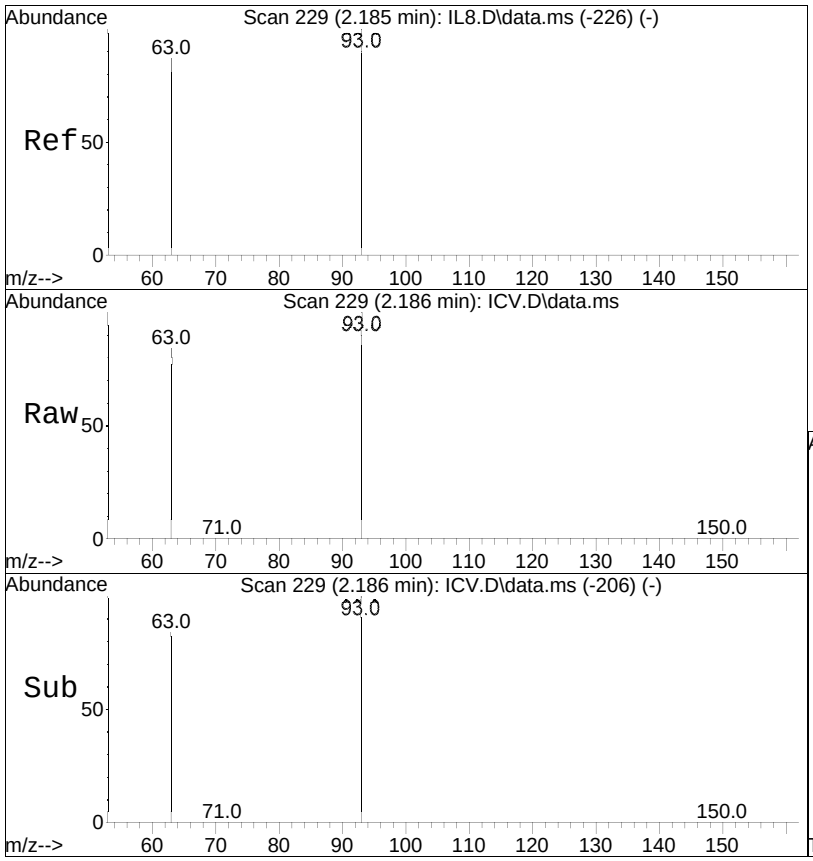
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedTical\IL8.D•

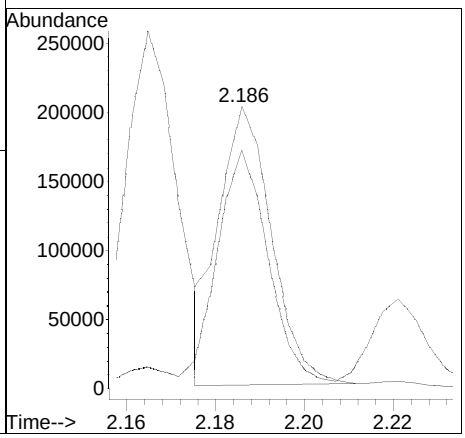


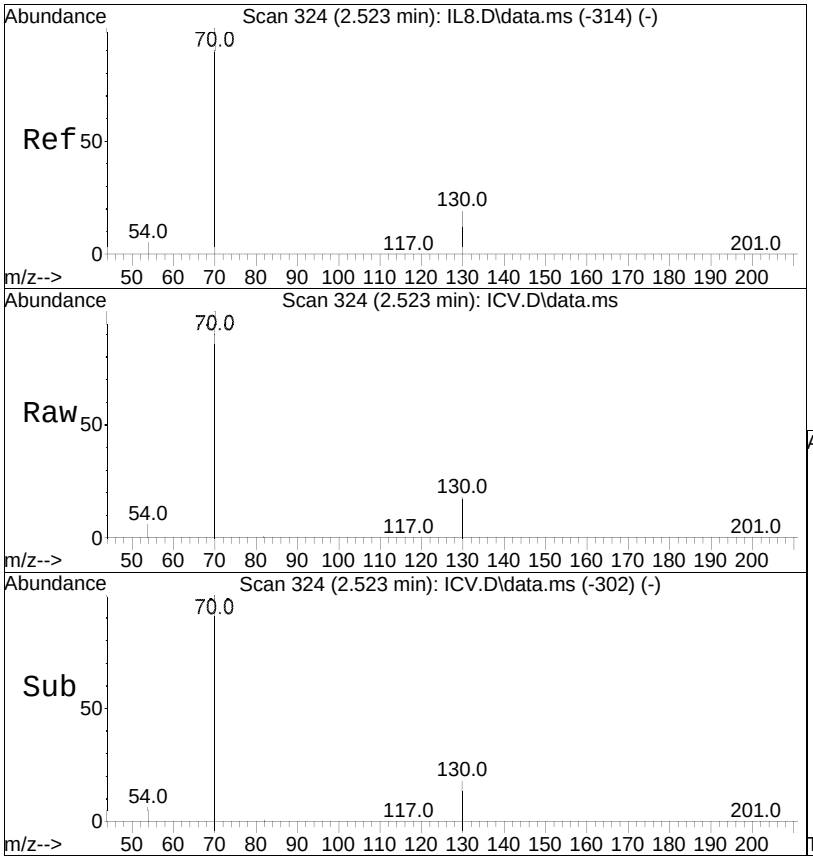


#4
Bis(2-chloroethyl)ether
Concen: 937.79 ng/ml
RT: 2.186 min Scan# 229
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion: 93 Resp: 165470

Ion	Ratio	Lower	Upper
93	100		
63	84.9	71.2	106.8

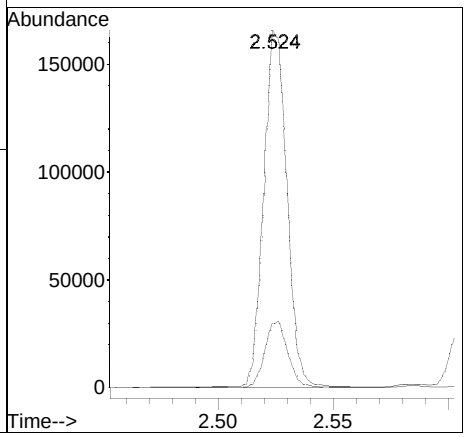


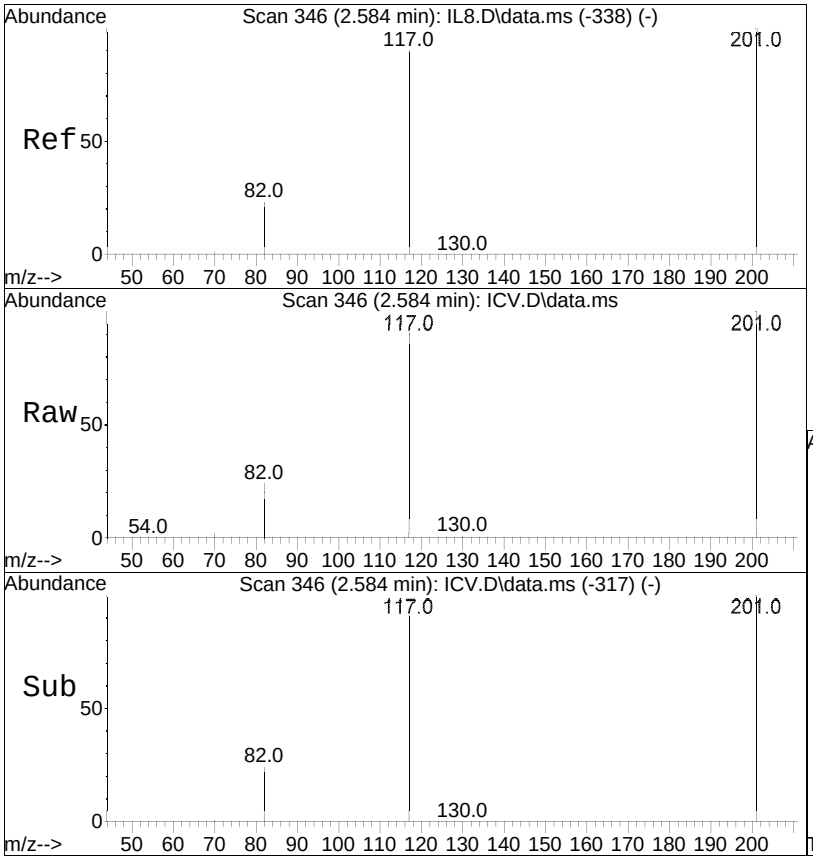


#5
n-nitrosodi-n-propylamine
Concen: 939.54 ng/ml
RT: 2.523 min Scan# 324
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion: 70 Resp: 113988

Ion	Ratio	Lower	Upper
70	100		
130	18.7	15.0	22.6

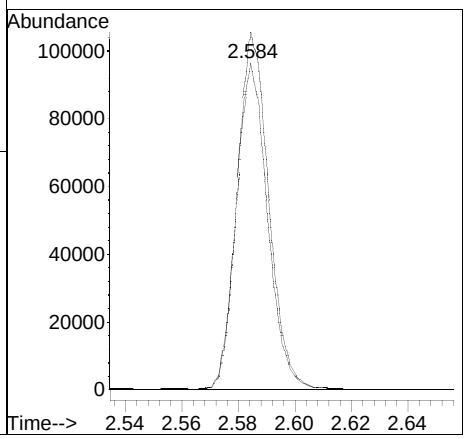


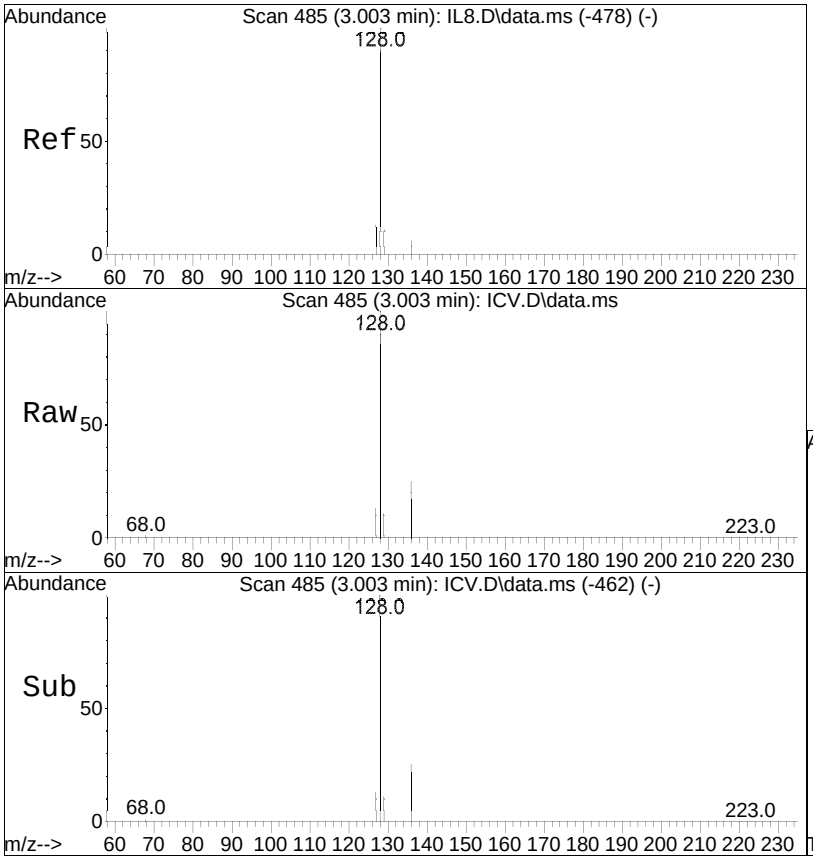


#6
Hexachloroethane
Concen: 927.20 ng/ml
RT: 2.584 min Scan# 346
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:117 Resp: 73020

Ion	Ratio	Lower	Upper
117	100		
201	110.0	88.0	132.0

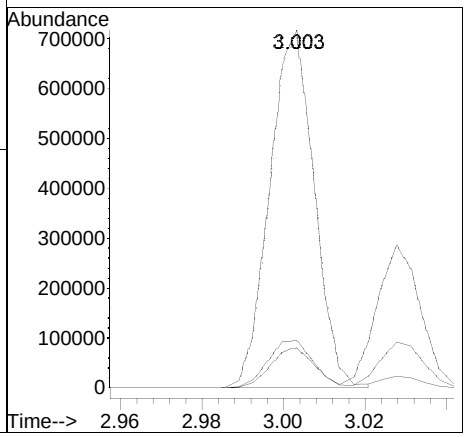


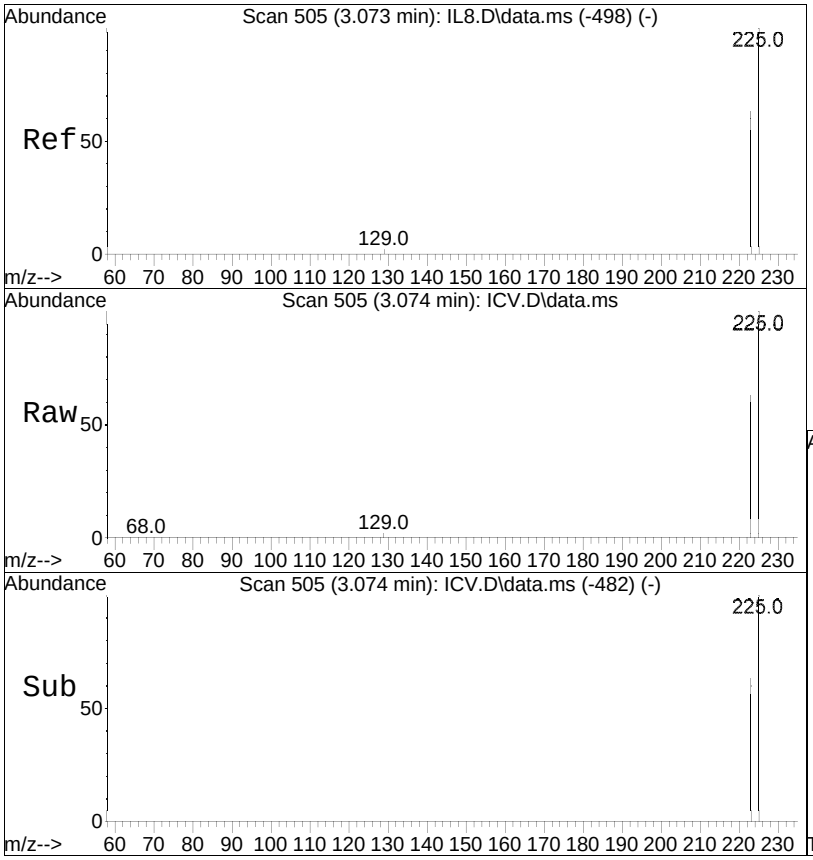


#9
Naphthalene
Concen: 911.85 ng/ml
RT: 3.003 min Scan# 485
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:128 Resp: 539792

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.9	16.3

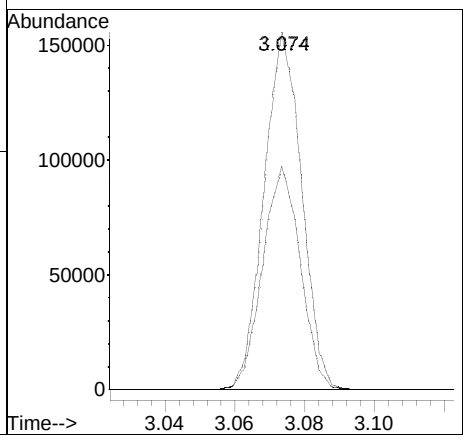


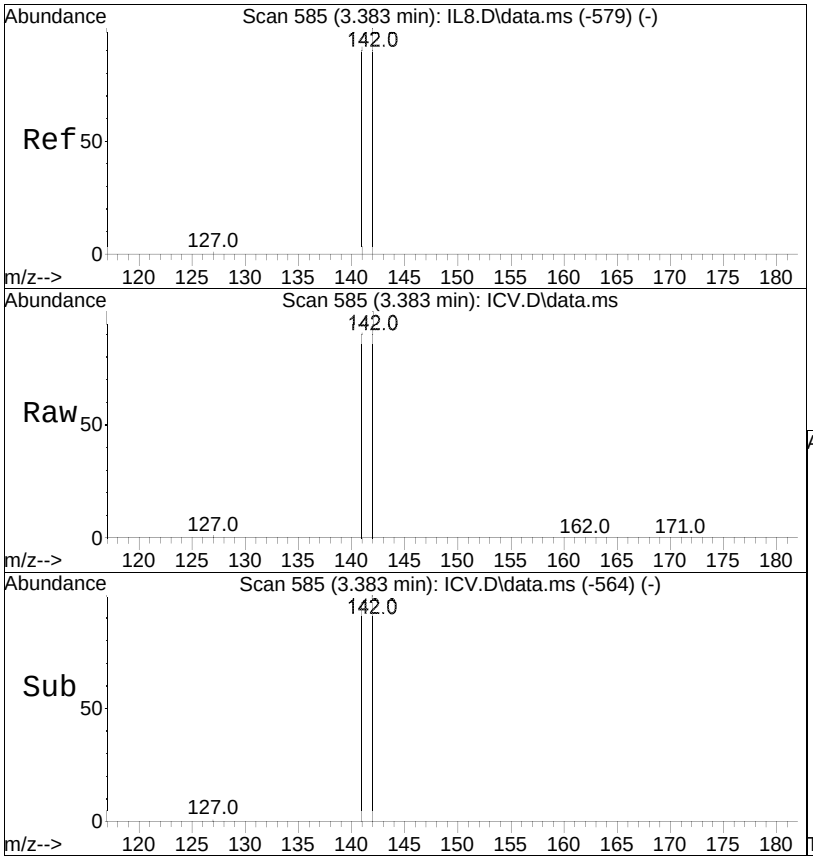


#10
Hexachlorobutadiene
Concen: 946.73 ng/ml
RT: 3.074 min Scan# 505
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:225 Resp: 114583

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5

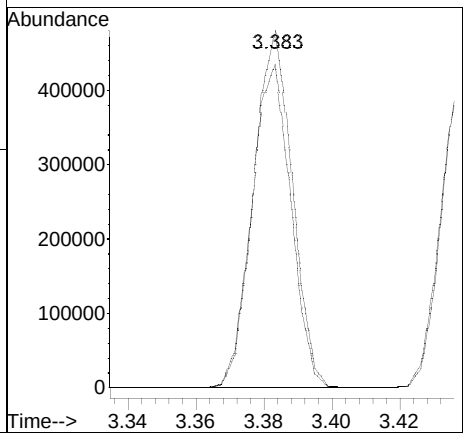


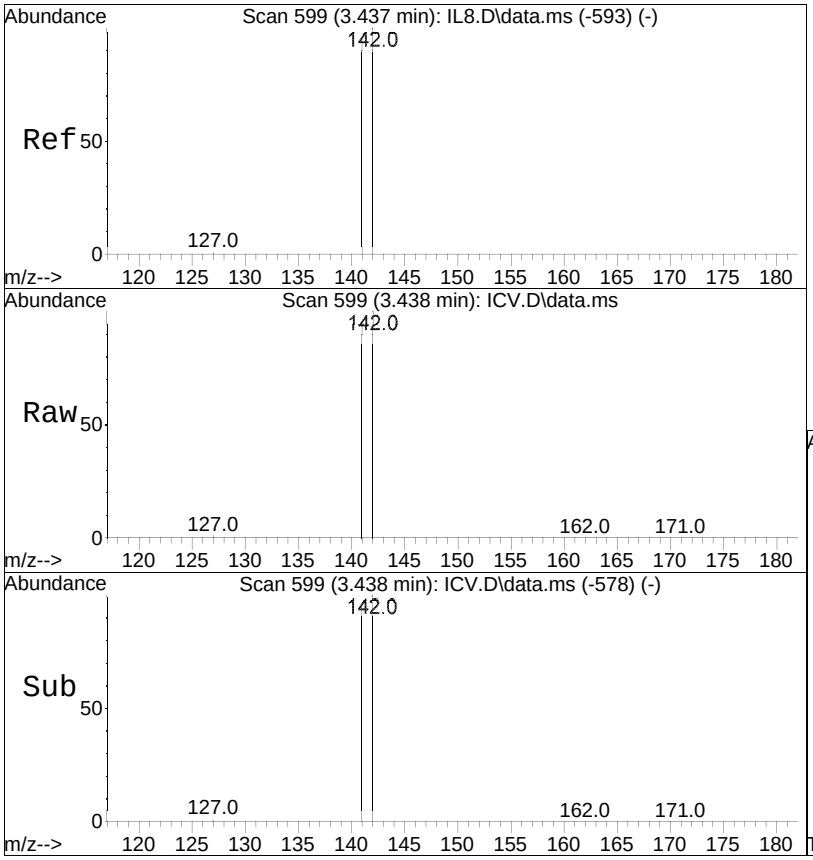


#11
2-Methylnaphthalene
Concen: 945.95 ng/ml
RT: 3.383 min Scan# 585
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:142 Resp: 377547

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.0	111.0

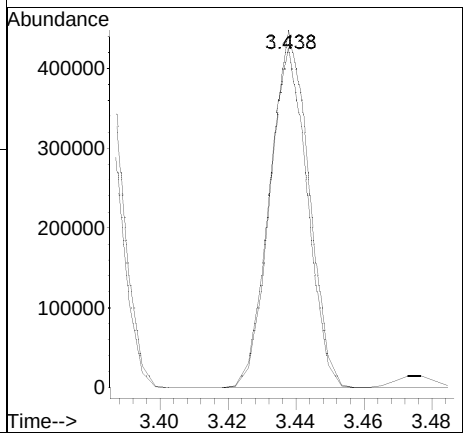


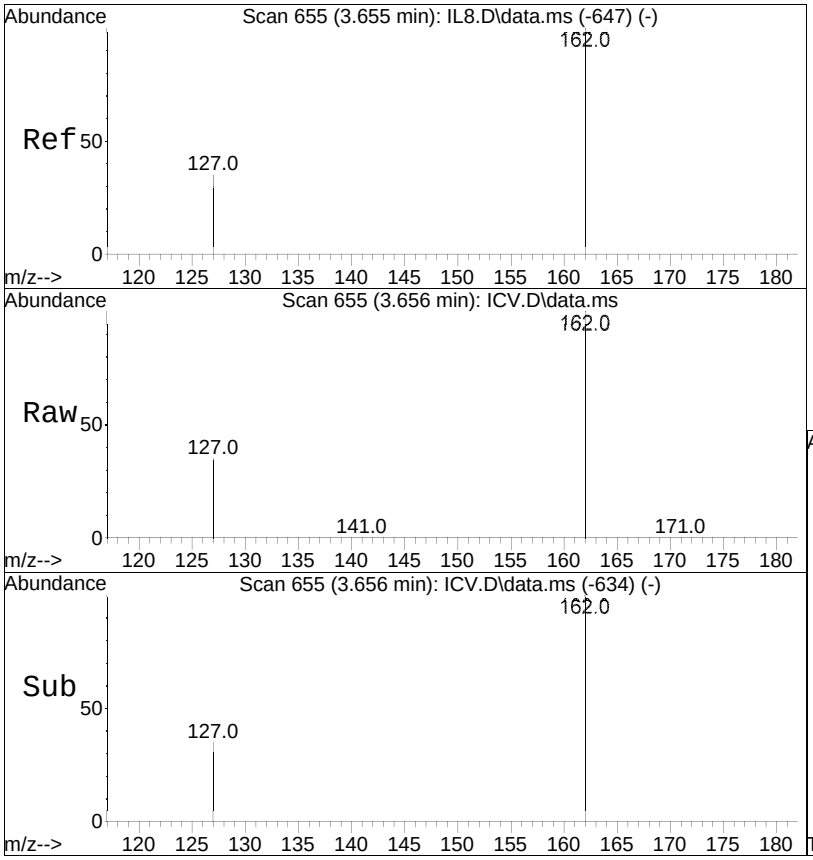


#12
1-Methylnaphthalene
Concen: 932.66 ng/ml
RT: 3.438 min Scan# 599
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:142 Resp: 347752

Ion	Ratio	Lower	Upper
142	100		
141	95.1	76.5	114.7

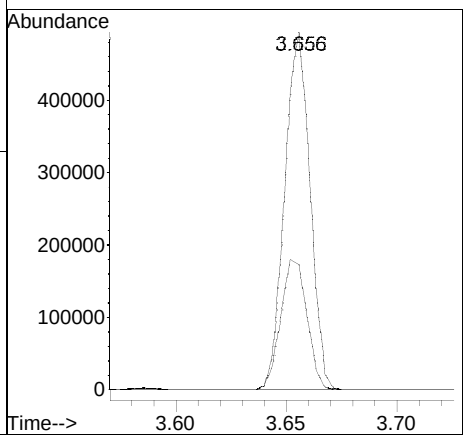


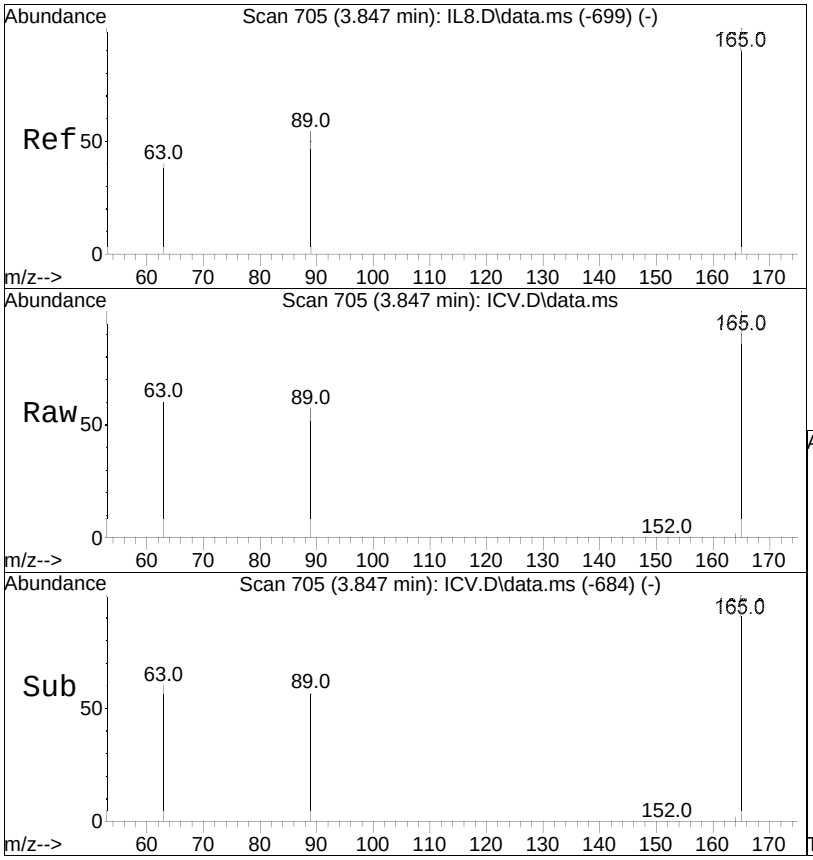


#14
2-Chloronaphthalene
Concen: 922.04 ng/ml
RT: 3.656 min Scan# 655
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:162 Resp: 385400

Ion	Ratio	Lower	Upper
162	100		
127	38.0	30.1	45.1

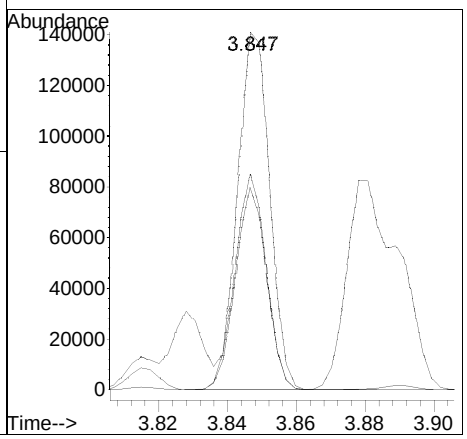


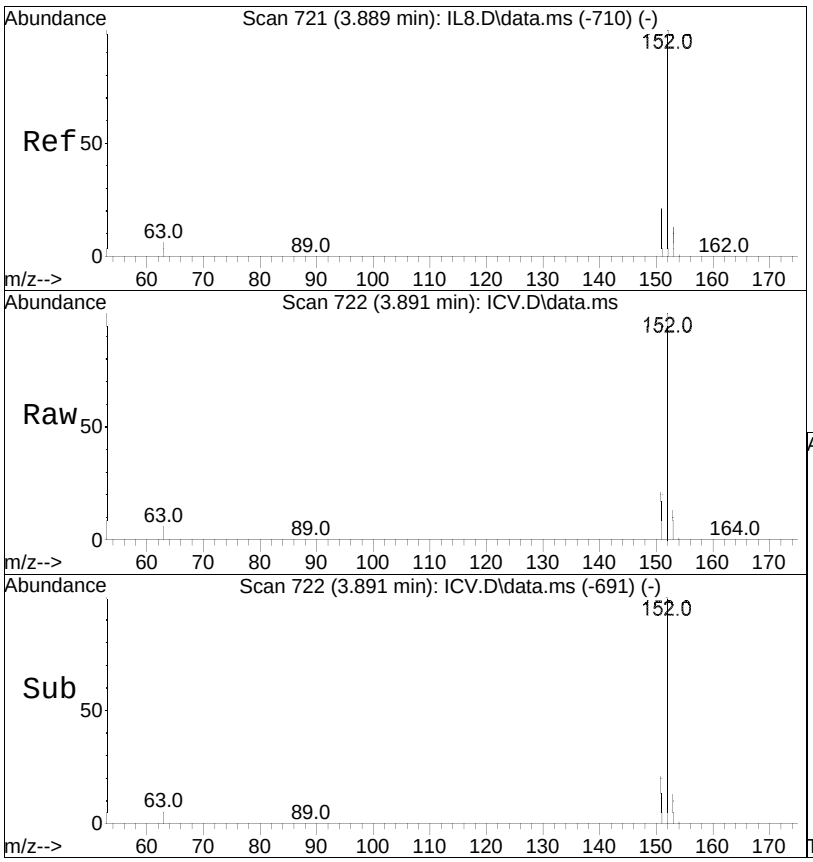


#15
2,6-Dinitrotoluene
Concen: 953.82 ng/ml
RT: 3.847 min Scan# 705
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:165 Resp: 91047

Ion	Ratio	Lower	Upper
165	100		
89	55.1	43.6	65.4
63	58.2	45.9	68.9

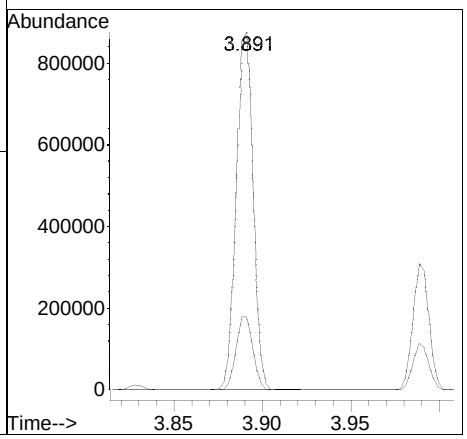


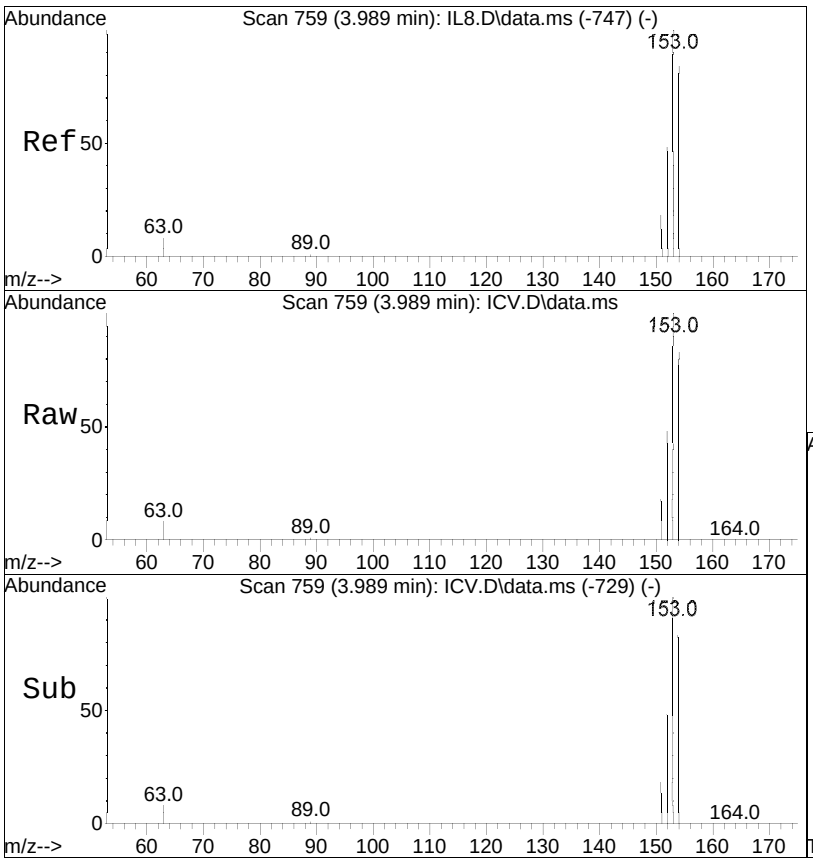


#16
Acenaphthylene
Concen: 975.56 ng/ml
RT: 3.891 min Scan# 722
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:152 Resp: 578771

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

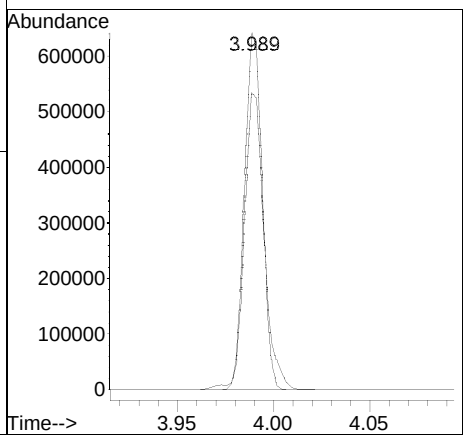


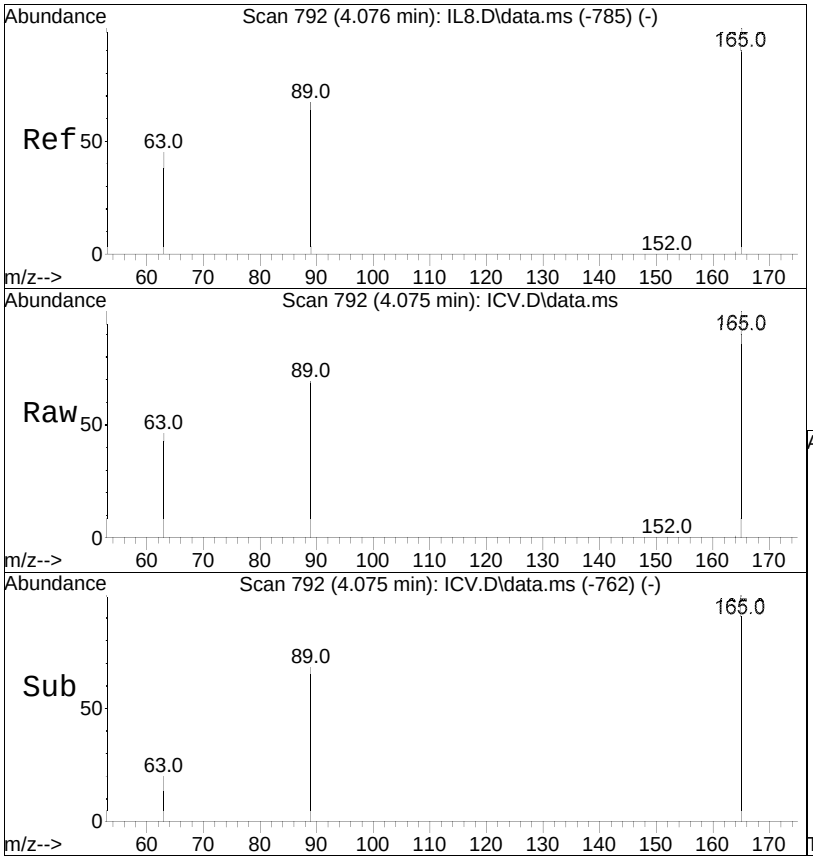


#18
Acenaphthene
Concen: 911.83 ng/ml
RT: 3.989 min Scan# 759
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:153 Resp: 406504

Ion	Ratio	Lower	Upper
153	100		
154	92.6	74.9	112.3

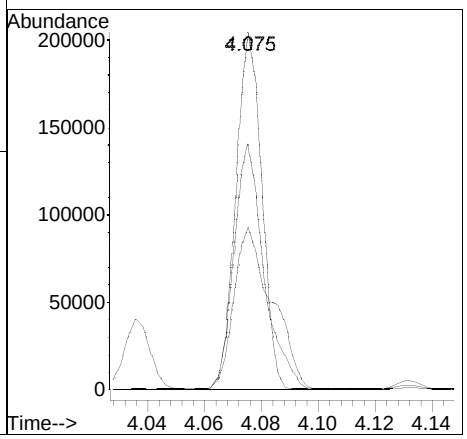


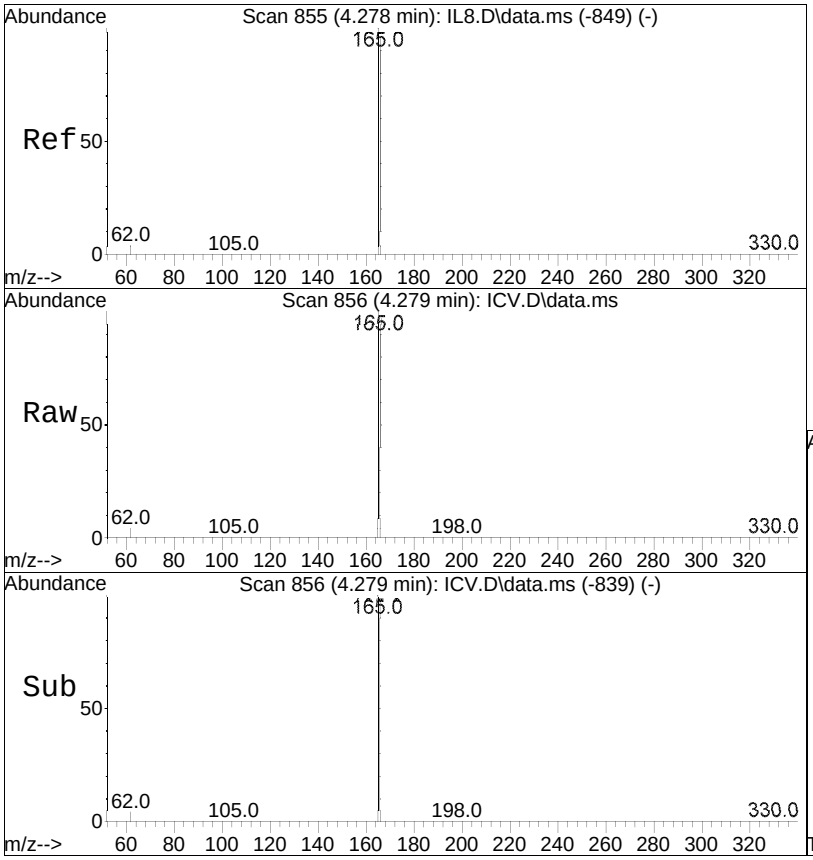


#19
2,4-Dinitrotoluene
Concen: 982.59 ng/ml
RT: 4.075 min Scan# 792
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:165 Resp: 127820

Ion	Ratio	Lower	Upper
165	100		
89	79.8	62.9	94.3
63	66.6	52.2	78.4

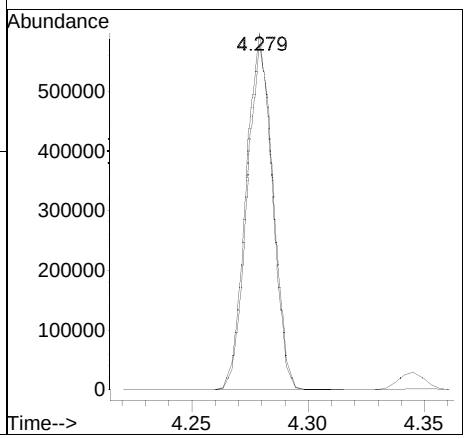


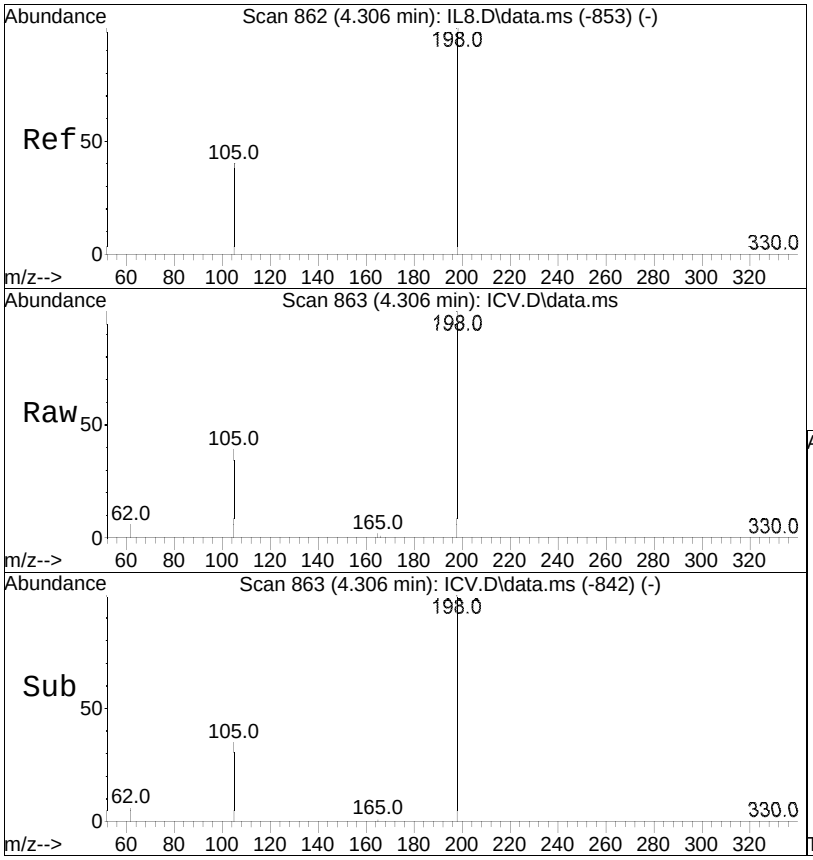


#20
Fluorene
Concen: 921.27 ng/ml
RT: 4.279 min Scan# 856
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:166 Resp: 453438

Ion	Ratio	Lower	Upper
166	100		
165	102.8	82.2	123.4

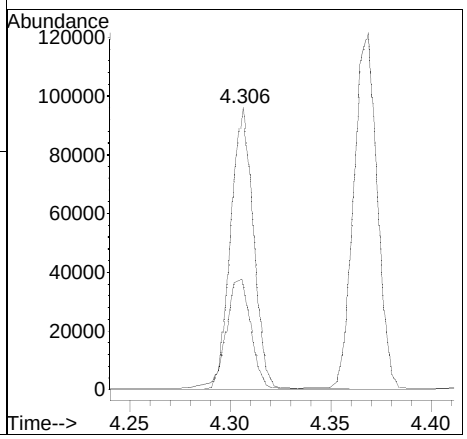


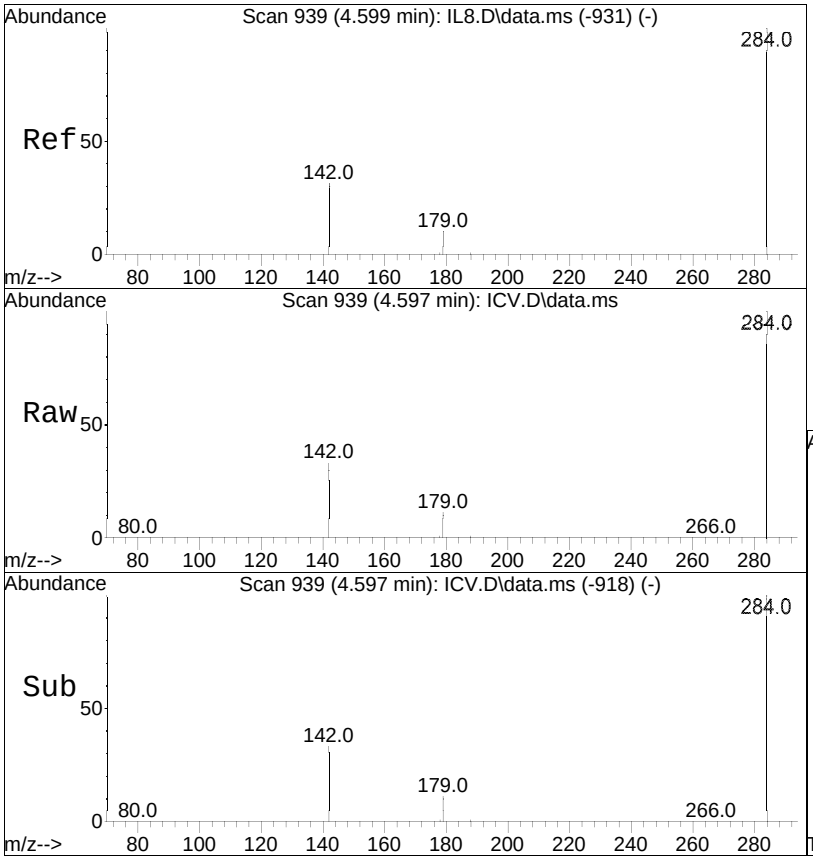


#23
4,6-Dinitro-o-cresol
Concen: 843.68 ng/ml
RT: 4.306 min Scan# 863
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:198 Resp: 75164

Ion	Ratio	Lower	Upper
198	100		
105	42.8	33.1	49.7

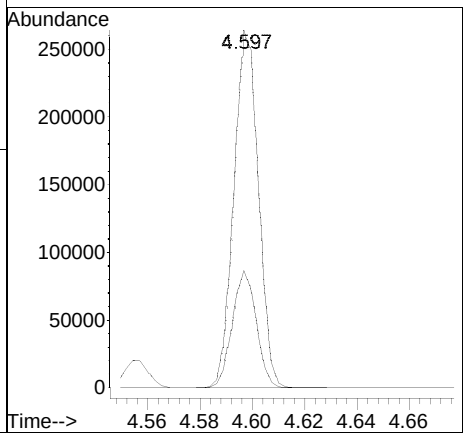


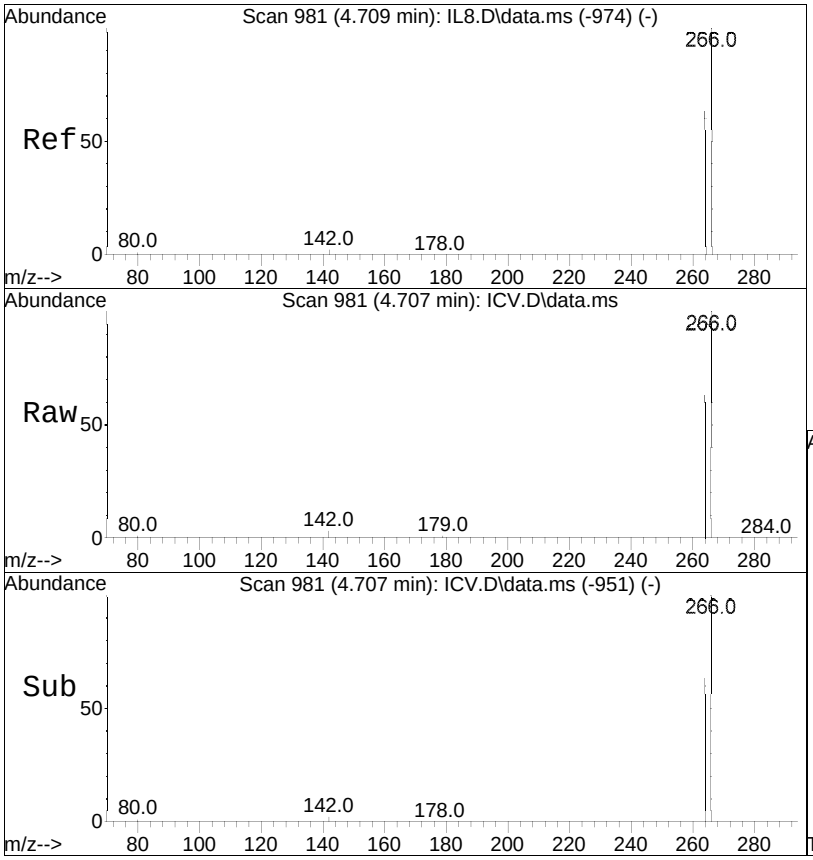


#24
Hexachlorobenzene
Concen: 915.21 ng/ml
RT: 4.597 min Scan# 939
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:284 Resp: 169510

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.4	38.0

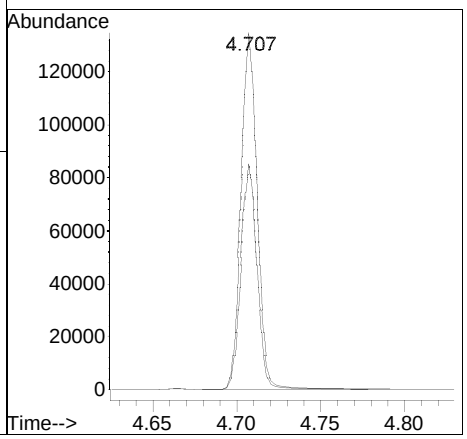


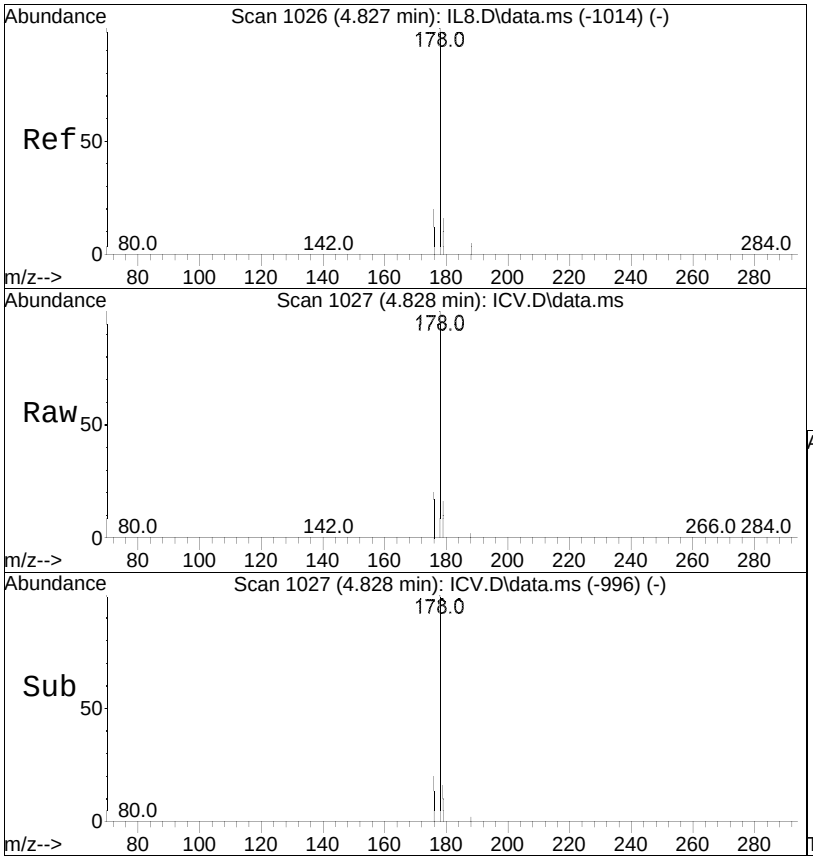


#25
Pentachlorophenol
Concen: 1001.41 ng/ml
RT: 4.707 min Scan# 981
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:266 Resp: 89449

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.6	76.0

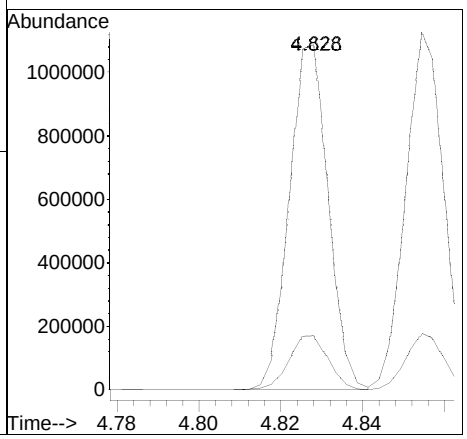


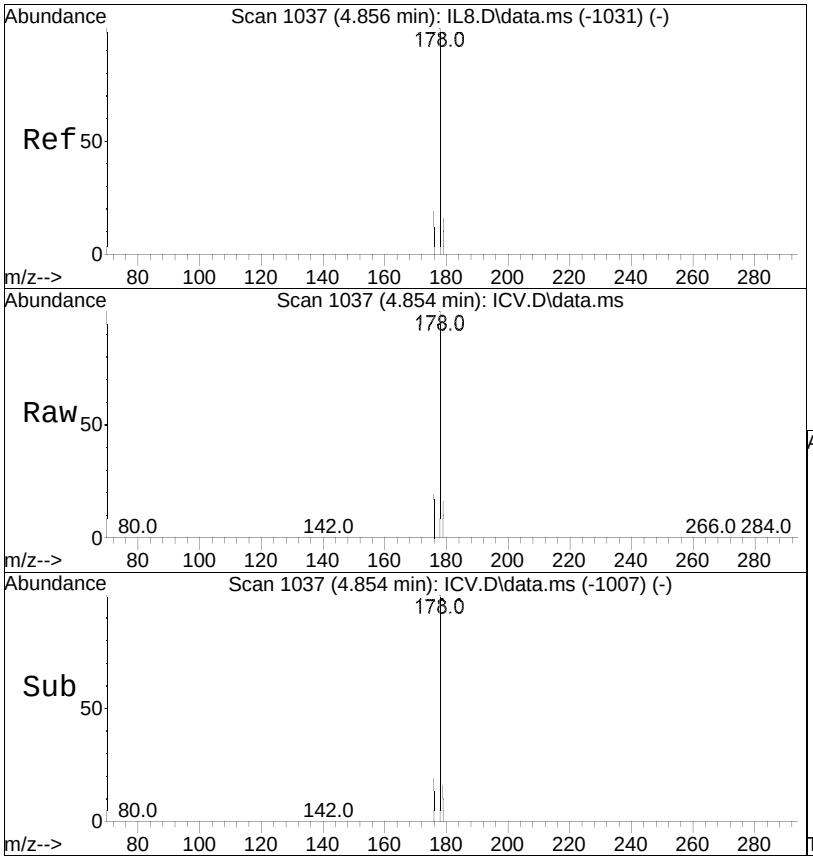


#26
Phenanthrene
Concen: 900.28 ng/ml
RT: 4.828 min Scan# 1027
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:178 Resp: 718689

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

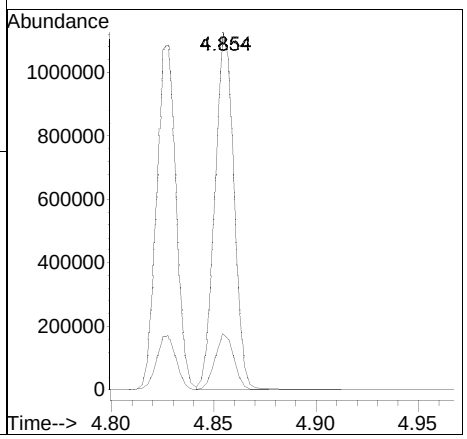


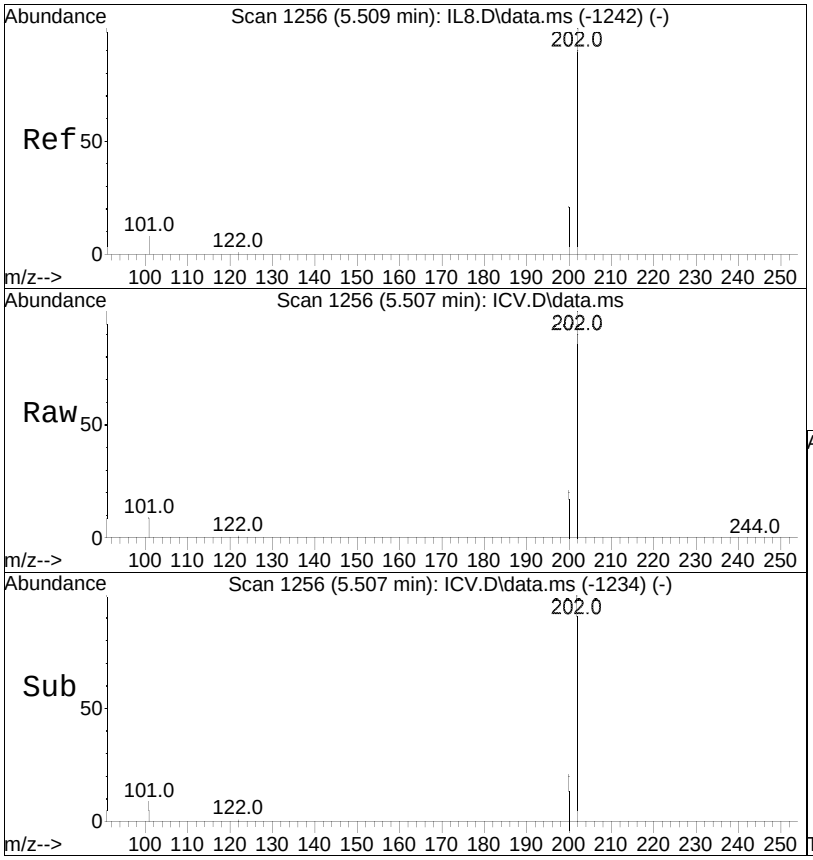


#27
Anthracene
Concen: 950.79 ng/ml
RT: 4.854 min Scan# 1037
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:178 Resp: 730853

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

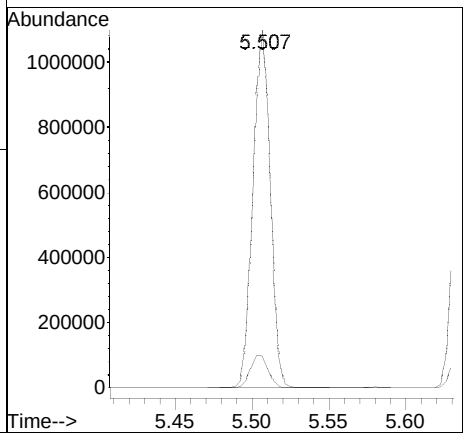


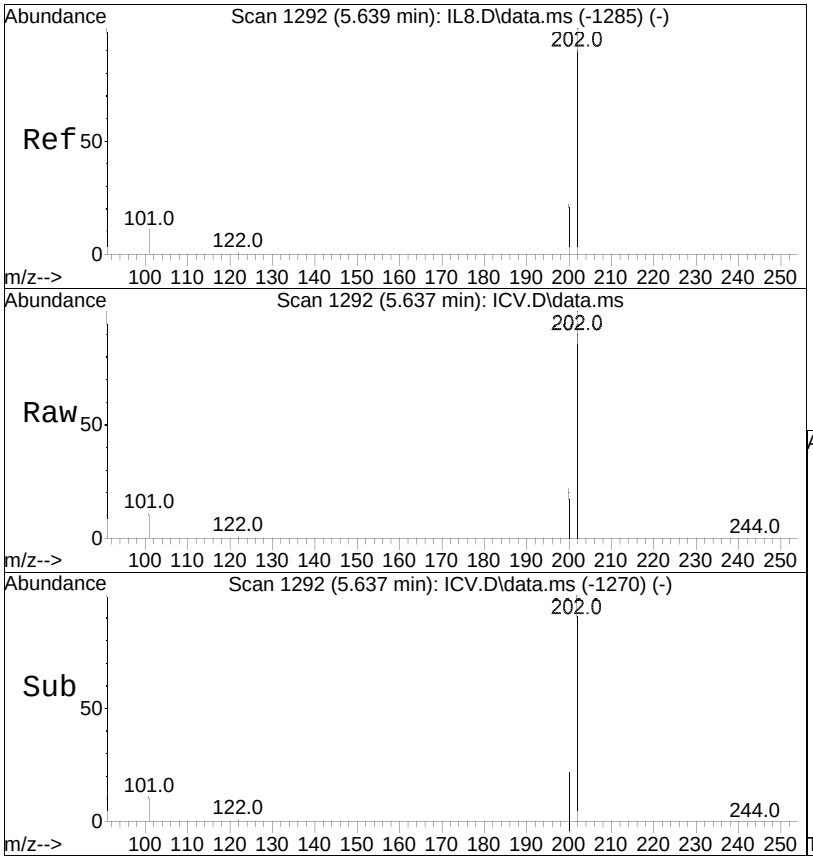


#28
Fluoranthene
Concen: 933.86 ng/ml
RT: 5.507 min Scan# 1256
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:202 Resp: 856217

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.7	11.5

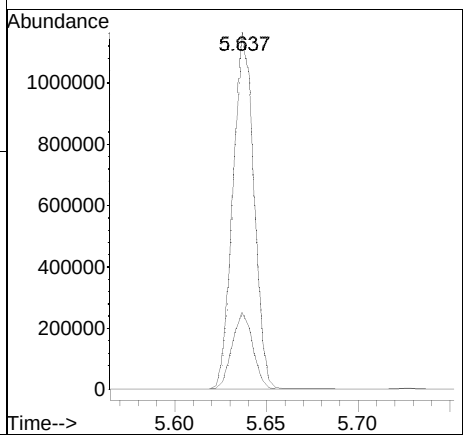


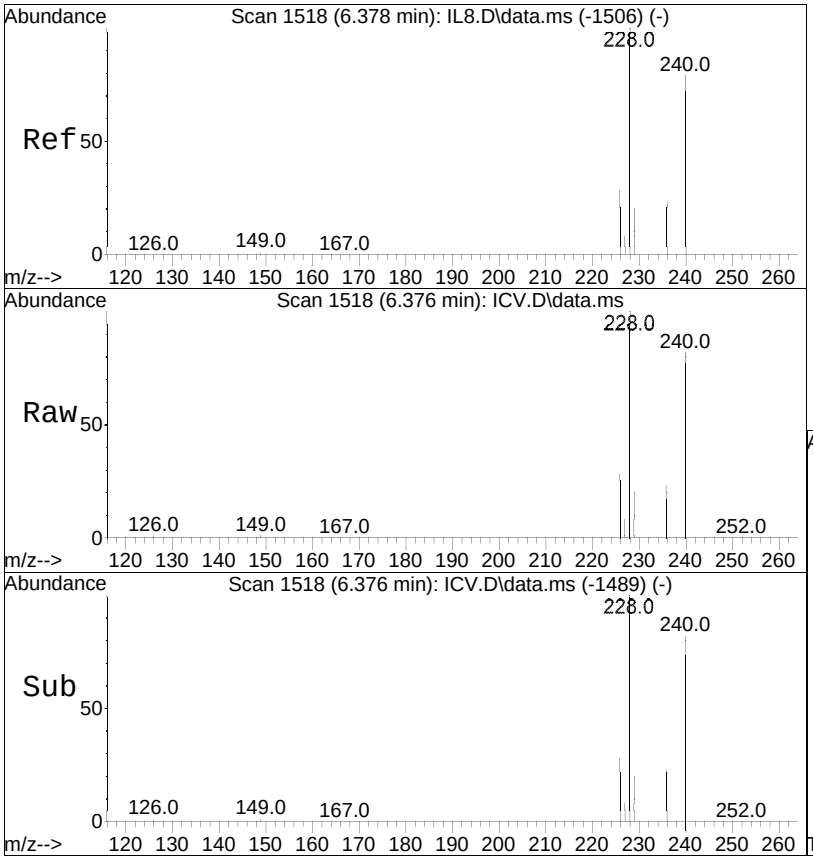


#29
Pyrene
Concen: 943.32 ng/ml
RT: 5.637 min Scan# 1292
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:202 Resp: 913997

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9

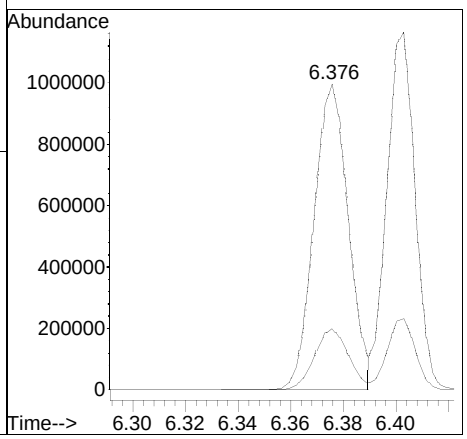


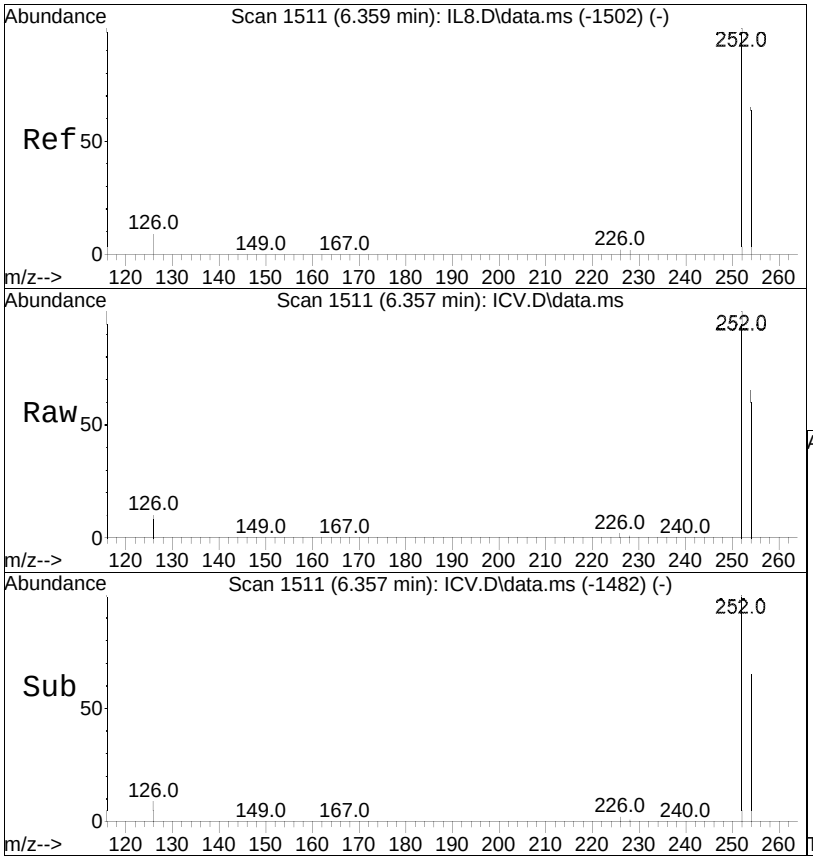


#32
Benzo[a]anthracene
Concen: 990.67 ng/ml
RT: 6.376 min Scan# 1518
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:228 Resp: 901993

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9

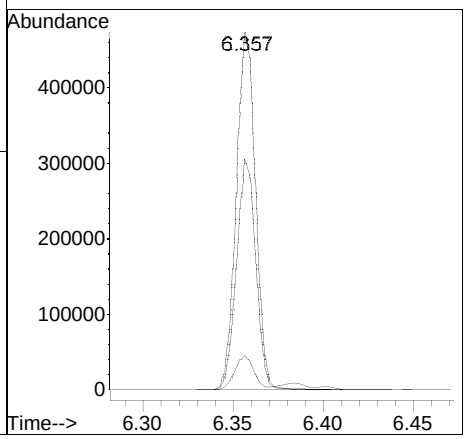


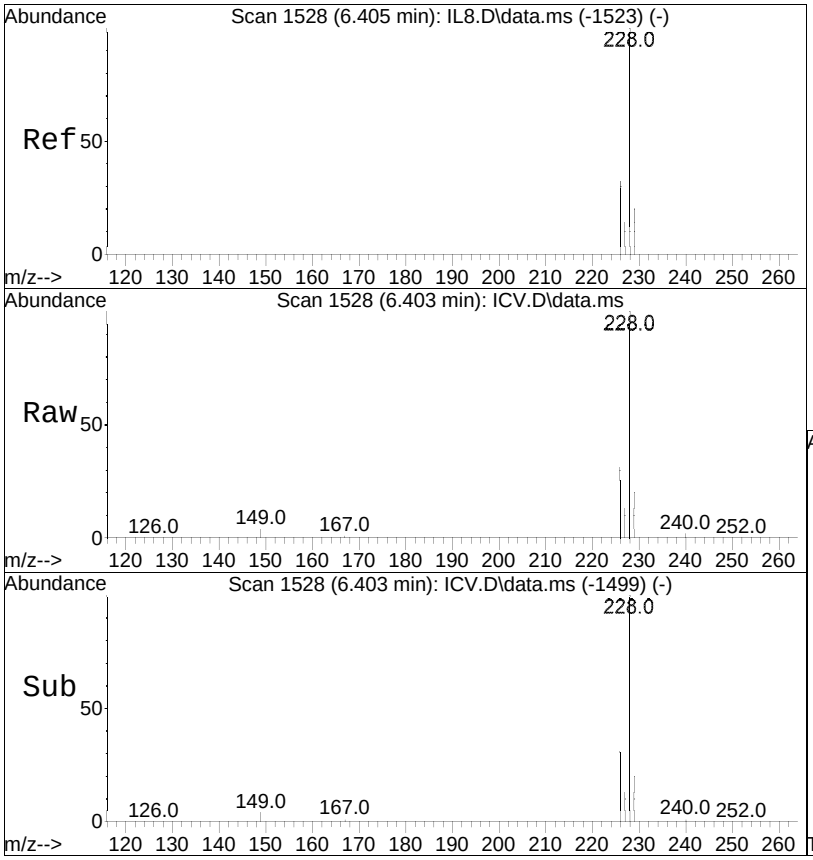


#33
3,3'-Dichlorobenzidine
Concen: 1023.92 ng/ml
RT: 6.357 min Scan# 1511
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 344437

Ion	Ratio	Lower	Upper
252	100		
126	9.7	7.8	11.8
254	64.7	51.8	77.8

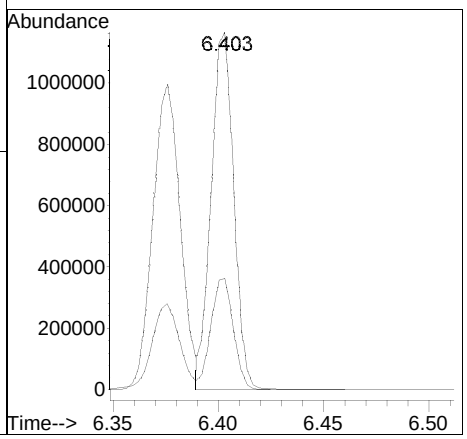


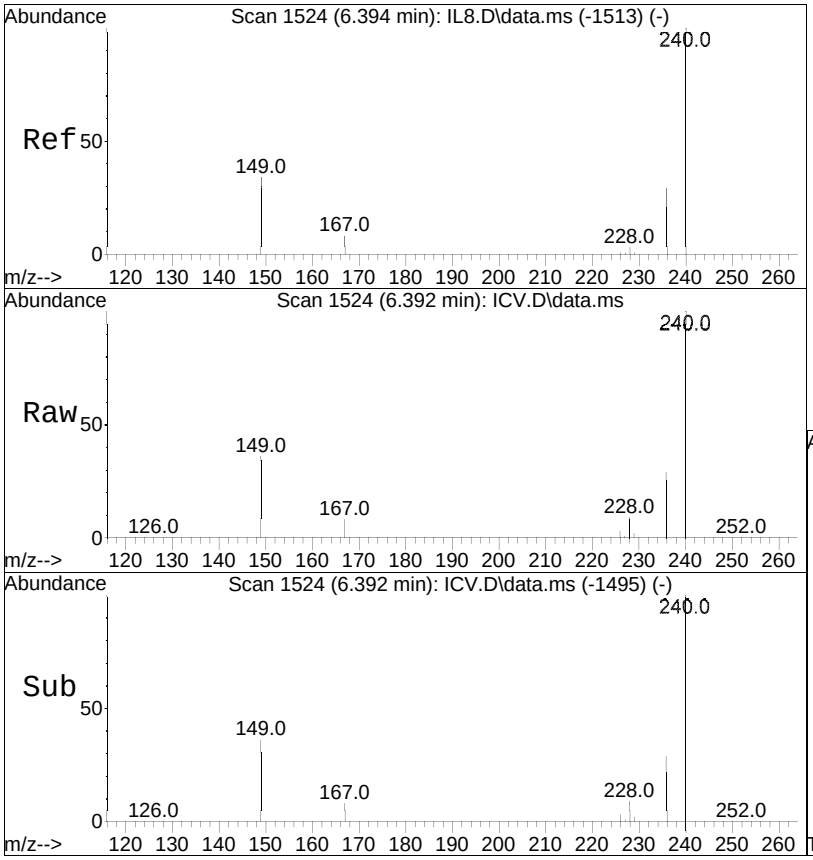


#34
Chrysene
Concen: 1015.95 ng/ml
RT: 6.403 min Scan# 1528
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:228 Resp: 862997

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6

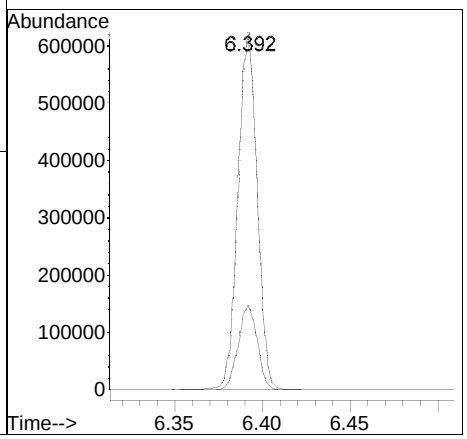


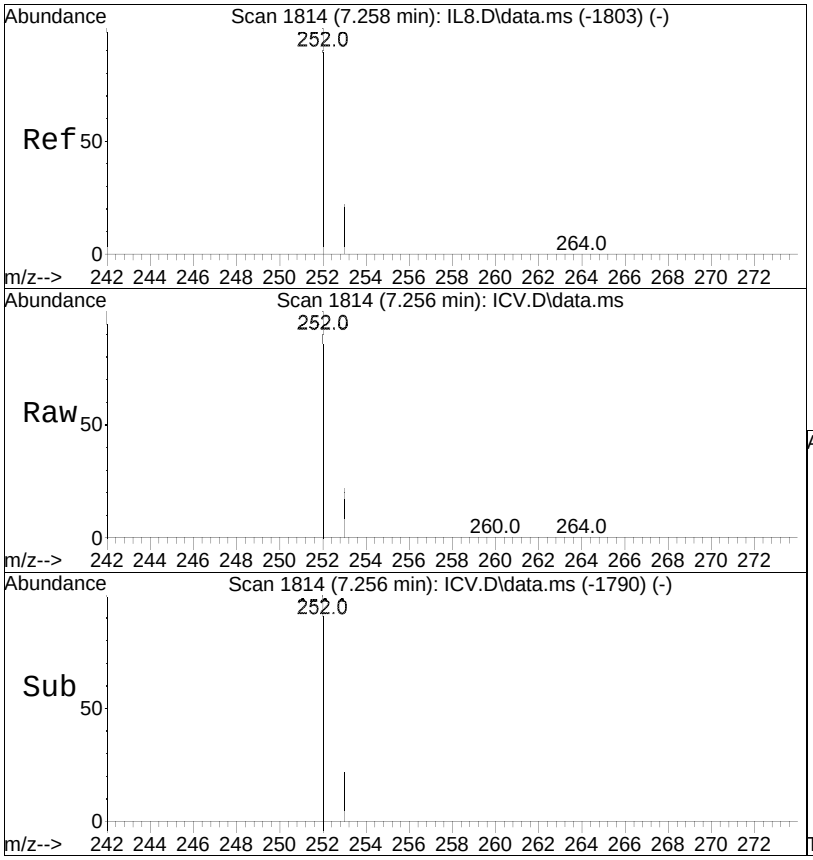


#35
Bis(2-ethylhexyl)phthalate
Concen: 957.04 ng/ml
RT: 6.392 min Scan# 1524
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:149 Resp: 465133

Ion	Ratio	Lower	Upper
149	100		
167	23.6	19.0	28.4

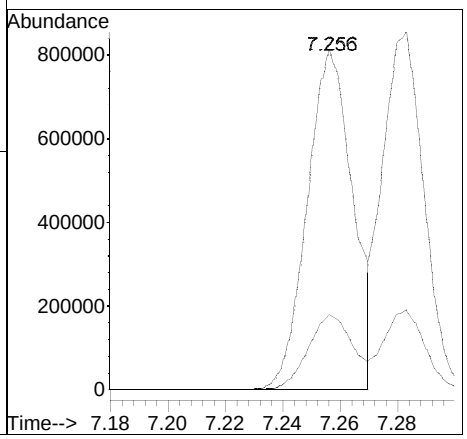


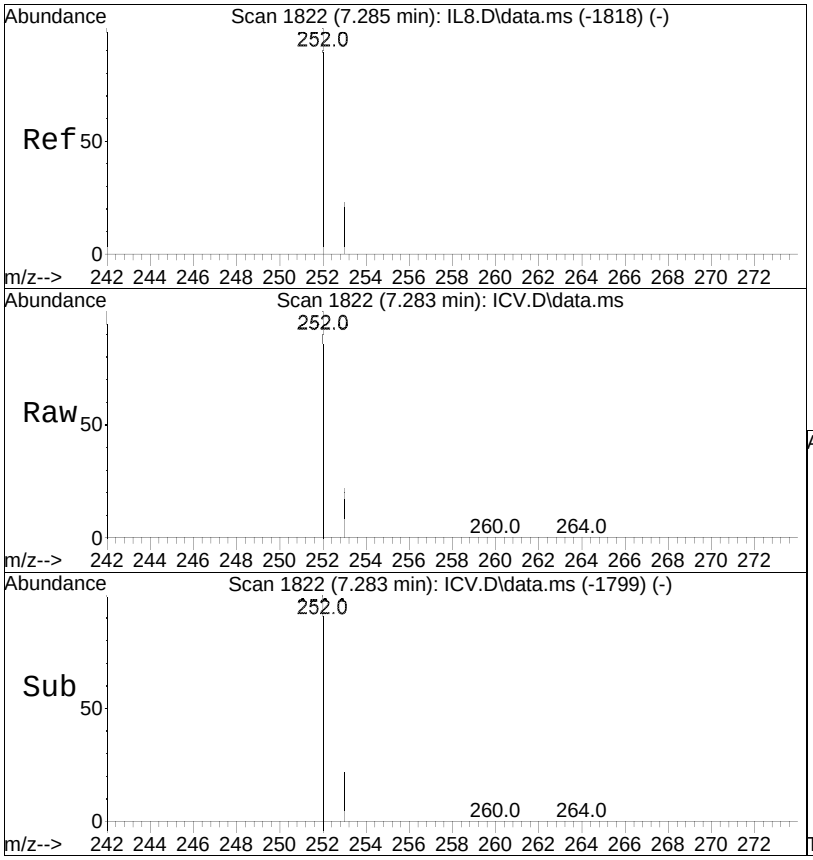


#37
Benzo[b]fluoranthene
Concen: 965.39 ng/ml
RT: 7.256 min Scan# 1814
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 900795

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

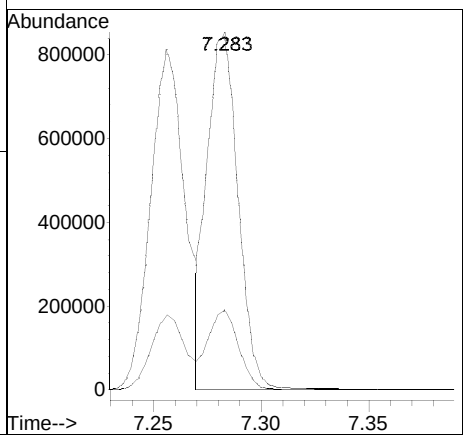


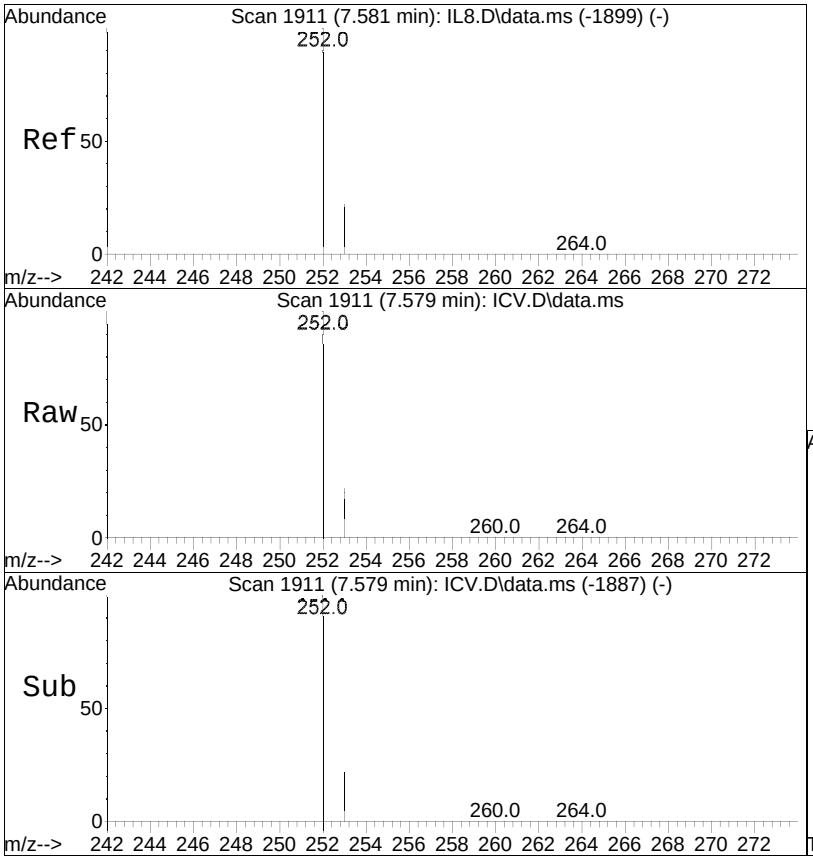


#38
Benzo[k]fluoranthene
Concen: 991.62 ng/ml
RT: 7.283 min Scan# 1822
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 845590

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8

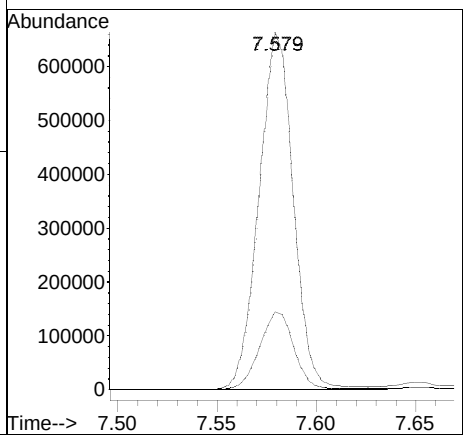


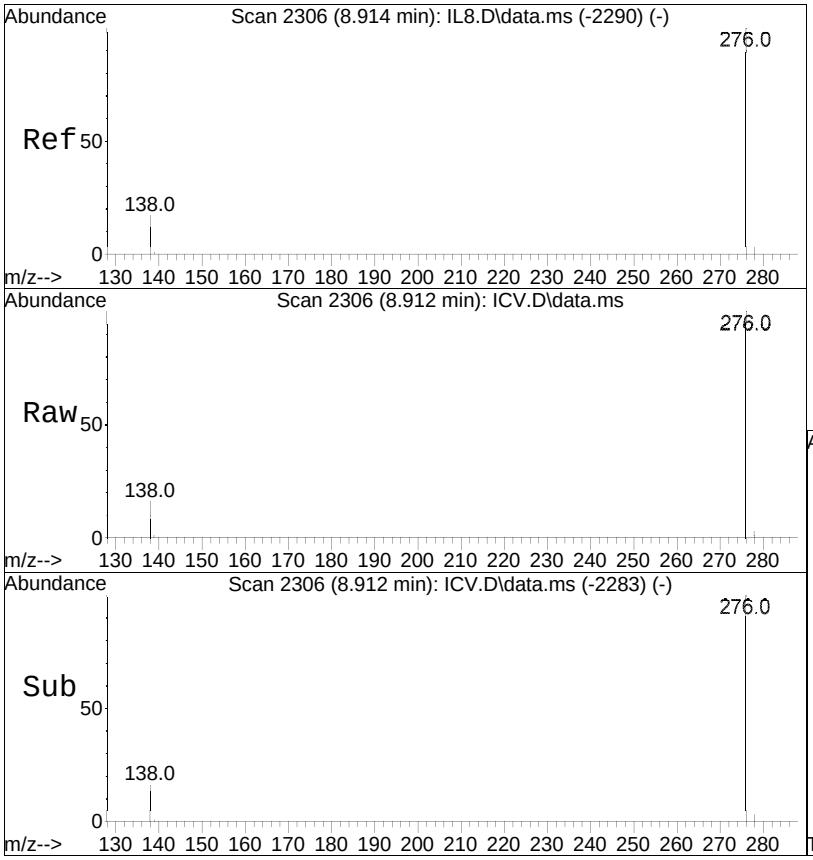


#39
Benzo[a]pyrene
Concen: 1018.01 ng/ml
RT: 7.579 min Scan# 1911
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 787817

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

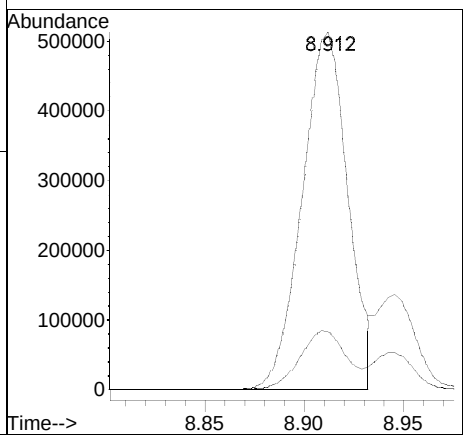


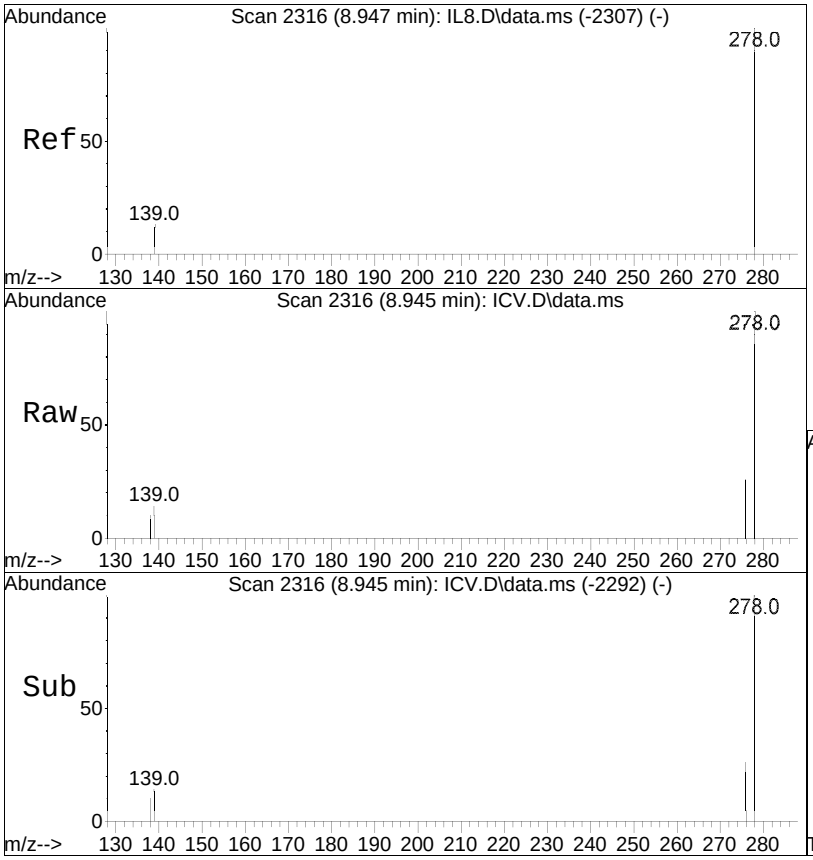


#40
Indeno[1,2,3-cd]pyrene
Concen: 978.39 ng/ml
RT: 8.912 min Scan# 2306
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:276 Resp: 813164

Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.3	19.9

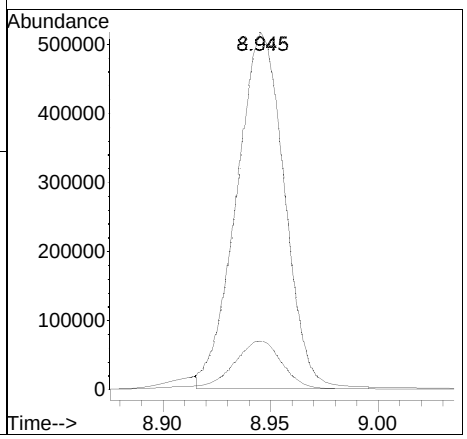


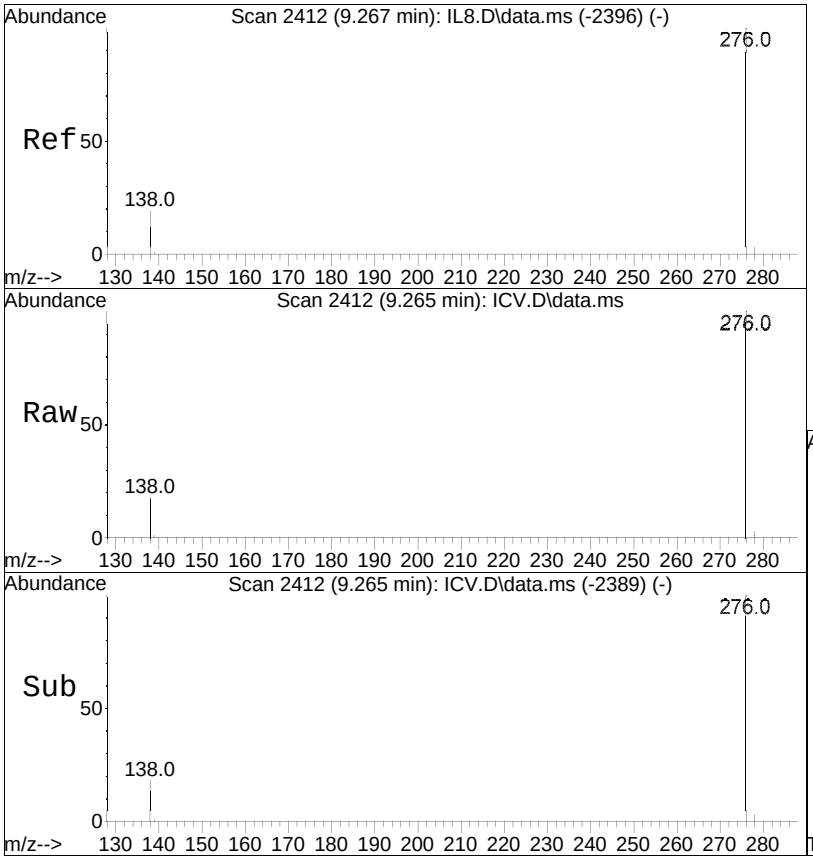


#41
Dibenzo[a,h]anthracene
Concen: 1036.87 ng/ml M6
RT: 8.945 min Scan# 2316
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:278 Resp: 793775

Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.1	16.7

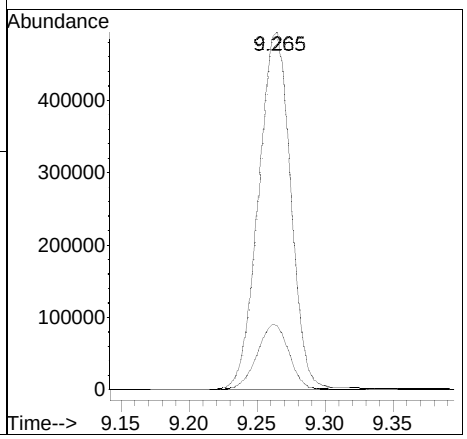




#42
Benzo[g,h,i]perylene
Concen: 992.14 ng/ml
RT: 9.265 min Scan# 2412
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:276 Resp: 801192

Ion	Ratio	Lower	Upper
276	100		
138	18.3	14.6	22.0

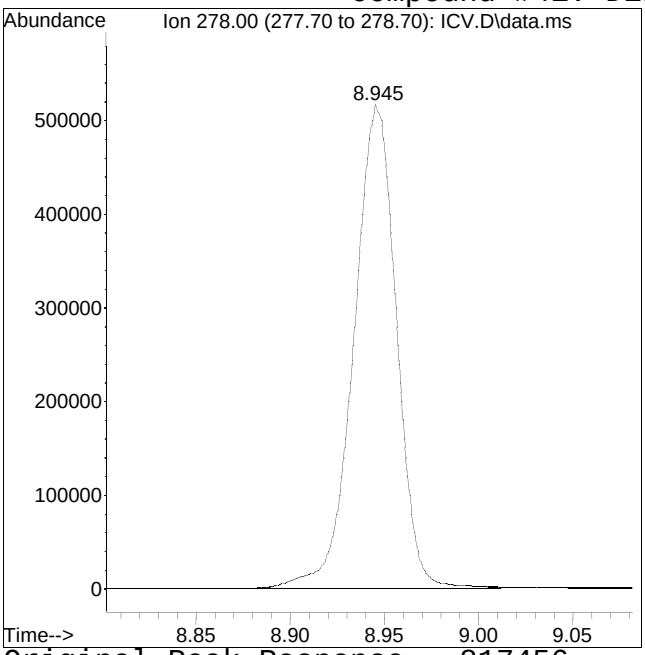


Manual Integration Report

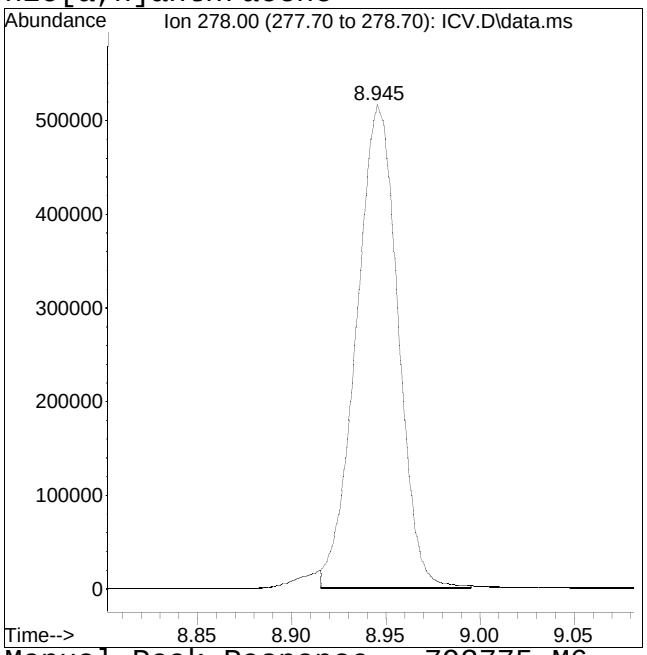
Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : ICV.D
Date Inj'd : 11/5/2024 1:52 pm
Sample : CQICV,32,, 1.000 Lot#10884

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 817456



Manual Peak Response = 793775 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV125

Method Path : I:\8270SIM\SV125\241105nRVTical\
Method File : SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Nov 06 17:36:22 2024

		COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4	T	Bis(2-chloroethyl)ether	Q	ng/ml	1000.0	935.826	-6.4	10.00	6.071	-39.3
23	T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	992.866	-0.7	40.00	43.086	7.7
25	T	Pentachlorophenol	Q	ng/ml	1000.0	1068.435	6.8	10.00	13.865	38.6
32	T	Benzo[a]anthracene	L	ng/ml	1000.0	1046.782	4.7	1.00	0.852	-14.8

Calibration Correlation Report

		COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4	T	Bis(2-chloroethyl)ether	Quadratic	0.995083	-0.101510	1.1455	0.0011501
23	T	4,6-Dinitro-o-cresol	Linear	0.998988	0.000000	0.12679	-0.00072076
25	T	Pentachlorophenol	Quadratic	0.997296	0.081577	0.104351	-0.000270563
32	T	Benzo[a]anthracene	Linear	0.998172	0.000000	1.20085	0.00315791

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV118		Calibration Date	: 12/17/24 07:02	
Lab File ID	: CCV1217A		Init. Calib. Date(s)	: 10/25/24	10/25/24
Sample No	: WG2010053-3		Init. Calib. Times	: 16:43	19:21
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	58	0
2-Fluorophenol	1.131	1.126	.01	0.4	20	59	0
Phenol-d6	1.39	1.313	.01	5.5	20	55	0
Bis(2-chloroethyl)ether	1000	954.438	.01	4.6	20	55	0
n-nitrosodi-n-propylamine	0.879	0.864	.01	1.7	20	58	0
Hexachloroethane	0.502	0.513	.01	-2.2	20	60	0
Nitrobenzene-d5	0.897	1.225	.01	-36.6*	20	76	0
Naphthalene-d8	1	1	.01	0	20	62	0
Naphthalene	1.053	0.908	.01	13.8	20	55	0
Hexachlorobutadiene	0.187	0.17	.01	9.1	20	57	0
2-Methylnaphthalene	0.674	0.743	.01	-10.2	20	69	0
1-Methylnaphthalene	0.627	0.678	.01	-8.1	20	68	0
2-Fluorobiphenyl	0.769	0.844	.01	-9.8	20	70	0
2-Chloronaphthalene	0.677	0.718	.01	-6.1	20	66	0
2,6-Dinitrotoluene	0.092	0.163	.01	-77.2*	20	104	0
Acenaphthylene	1.002	1.109	.01	-10.7	20	67	0
Acenaphthene-d10	1	1	.01	0	20	77	0
Acenaphthene	1.308	1.095	.01	16.3	20	67	0
2,4-Dinitrotoluene	1000	1265.669	.01	-26.6*	20	106	0
Fluorene	1.393	1.223	.01	12.2	20	68	0
2,4,6-Tribromophenol	0.184	0.21	.01	-14.1	20	83	0
Phenanthrene-d10	1	1	.01	0	20	76	0
4,6-Dinitro-o-cresol	1000	1565.767	.01	-56.6*	20	130	0
Hexachlorobenzene	0.263	0.221	.01	16	20	65	0
Pentachlorophenol	0.098	0.089	.01	9.2	20	62	0
Phenanthrene	1.086	0.884	.01	18.6	20	65	0
Anthracene	1.066	0.926	.01	13.1	20	66	0
Fluoranthene	1.216	0.987	.01	18.8	20	63	0
Pyrene	1.291	1.042	.01	19.3	20	62	0
4-Terphenyl-d14	0.818	0.694	.01	15.2	20	67	0
Chrysene-d12	1	1	.01	0	20	72	0
Benzo[a]anthracene	0.392	0.301	.01	23.2*	20	60	0
3,3'-Dichlorobenzidine	0.418	0.425	.01	-1.7	20	64	0
Chrysene	1.207	1.022	.01	15.3	20	61	0
Bis(2-ethylhexyl)phthalate	0.696	0.721	.01	-3.6	20	70	0
Perylene-d12	1	1	.01	0	20	68	0
Benzo[b]fluoranthene	1.031	1.006	.01	2.4	20	64	0
Benzo[k]fluoranthene	1.093	0.997	.01	8.8	20	59	0
Benzo[a]pyrene	0.911	0.883	.01	3.1	20	61	0
Indeno[1,2,3-cd]pyrene	0.849	0.822	.01	3.2	20	58	0
Dibenzo[a,h]anthracene	0.865	0.841	.01	2.8	20	61	0
Benzo[g,h,i]perylene	0.89	0.803	.01	9.8	20	58	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		**Lab Number**	: L2473190	
Project Name	: AVALON SITE-PCW		**Project Number**	: 180017	
Instrument ID	: SV120		**Calibration Date**	: 12/18/24 06:38	
Lab File ID	: CCV1218		**Init. Calib. Date(s)**	: 11/05/24	11/05/24
Sample No	: WG2010570-3		**Init. Calib. Times**	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	137	0
2-Fluorophenol	1.177	1.103	.05	6.3	20	131	0
Phenol-d6	1.447	1.406	.05	2.8	20	135	0
Bis(2-chloroethyl)ether	1000	863.398	.05	13.7	20	124	0
n-nitrosodi-n-propylamine	0.873	0.85	.05	2.6	20	134	0
Hexachloroethane	0.524	0.486	.05	7.3	20	129	0
Nitrobenzene-d5	1.277	1.259	.05	1.4	20	135	0
Naphthalene-d8	1	1	.05	0	20	142	0
Naphthalene	1	0.883	.05	11.7	20	132	0
Hexachlorobutadiene	0.189	0.165	.05	12.7	20	129	0
2-Methylnaphthalene	0.694	0.637	.05	8.2	20	136	0
1-Methylnaphthalene	0.639	0.578	.05	9.5	20	135	0
2-Fluorobiphenyl	0.806	0.689	.05	14.5	20	131	0
2-Chloronaphthalene	0.689	0.608	.05	11.8	20	134	0
2,6-Dinitrotoluene	0.156	0.148	.05	5.1	20	138	0
Acenaphthylene	0.994	0.931	.05	6.3	20	135	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.207	1.053	.05	12.8	20	133	0
2,4-Dinitrotoluene	0.336	0.342	.05	-1.8	20	140	0
Fluorene	1.306	1.211	.05	7.3	20	138	0
2,4,6-Tribromophenol	0.159	0.163	.05	-2.5	20	141	0
Phenanthrene-d10	1	1	.05	0	20	144	0
4,6-Dinitro-o-cresol	1000	885.239	.05	11.5	20	136	0
Hexachlorobenzene	0.211	0.192	.05	9	20	138	0
Pentachlorophenol	1000	1080.516	.05	-8.1	20	160	0
Phenanthrene	0.953	0.887	.05	6.9	20	134	0
Anthracene	0.986	0.902	.05	8.5	20	134	0
Fluoranthene	1.098	0.999	.05	9	20	138	0
Pyrene	1.132	1.027	.05	9.3	20	137	0
4-Terphenyl-d14	0.727	0.588	.05	19.1	20	122	0
Chrysene-d12	1	1	.05	0	20	133	0
Benzo[a]anthracene	1000	897.577	.05	10.2	20	122	0
3,3'-Dichlorobenzidine	0.432	0.421	.05	2.5	20	127	0
Chrysene	1.059	1.015	.05	4.2	20	119	0
Bis(2-ethylhexyl)phthalate	0.708	0.694	.05	2	20	128	0
Perylene-d12	1	1	.05	0	20	116	0
Benzo[b]fluoranthene	1.214	1.099	.05	9.5	20	109	0
Benzo[k]fluoranthene	1.091	1.038	.05	4.9	20	107	0
Benzo[a]pyrene	0.994	0.946	.05	4.8	20	107	0
Indeno[1,2,3-cd]pyrene	1.017	0.846	.05	16.8	20	95	0
Dibenzo[a,h]anthracene	0.955	0.785	.05	17.8	20	95	0
Benzo[g,h,i]perylene	0.987	0.775	.05	21.5*	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/18/24 06:44	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010584-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	132	0
2-Fluorophenol	1.075	0.983	.05	8.6	20	124	0
Phenol-d6	1.36	1.246	.05	8.4	20	126	0
Bis(2-chloroethyl)ether	1000	887.741	.05	11.2	20	125	0
n-nitrosodi-n-propylamine	0.775	0.749	.05	3.4	20	123	0
Hexachloroethane	0.503	0.461	.05	8.3	20	124	0
Nitrobenzene-d5	1.158	1.122	.05	3.1	20	124	0
Naphthalene-d8	1	1	.05	0	20	143	0
Naphthalene	1.074	0.966	.05	10.1	20	133	0
Hexachlorobutadiene	0.22	0.173	.05	21.4*	20	115	0
2-Methylnaphthalene	0.724	0.661	.05	8.7	20	132	0
1-Methylnaphthalene	0.677	0.614	.05	9.3	20	133	0
2-Fluorobiphenyl	0.89	0.744	.05	16.4	20	123	0
2-Chloronaphthalene	0.758	0.664	.05	12.4	20	126	0
2,6-Dinitrotoluene	0.173	0.166	.05	4	20	129	0
Acenaphthylene	1.076	1.009	.05	6.2	20	128	0
Acenaphthene-d10	1	1	.05	0	20	142	0
Acenaphthene	1.289	1.136	.05	11.9	20	131	0
2,4-Dinitrotoluene	0.376	0.378	.05	-0.5	20	134	0
Fluorene	1.423	1.233	.05	13.4	20	127	0
2,4,6-Tribromophenol	0.217	0.201	.05	7.4	20	115	0
Phenanthrene-d10	1	1	.05	0	20	140	0
4,6-Dinitro-o-cresol	1000	886.851	.05	11.3	20	125	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	114	0
Pentachlorophenol	1000	888.794	.05	11.1	20	113	0
Phenanthrene	1.105	0.959	.05	13.2	20	128	0
Anthracene	1.064	0.974	.05	8.5	20	127	0
Fluoranthene	1.27	1.12	.05	11.8	20	125	0
Pyrene	1.342	1.191	.05	11.3	20	126	0
4-Terphenyl-d14	0.922	0.735	.05	20.3*	20	117	0
Chrysene-d12	1	1	.05	0	20	138	0
Benzo[a]anthracene	1000	951.499	.05	4.9	20	125	0
3,3'-Dichlorobenzidine	0.448	0.453	.05	-1.1	20	129	0
Chrysene	1.132	1.084	.05	4.2	20	123	0
Bis(2-ethylhexyl)phthalate	0.648	0.774	.05	-19.4	20	155	0
Perylene-d12	1	1	.05	0	20	147	0
Benzo[b]fluoranthene	1.113	0.952	.05	14.5	20	123	0
Benzo[k]fluoranthene	1.017	0.952	.05	6.4	20	132	0
Benzo[a]pyrene	0.923	0.873	.05	5.4	20	130	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	136	0
Dibenzo[a,h]anthracene	0.913	0.917	.05	-0.4	20	139	0
Benzo[g,h,i]perylene	0.963	0.907	.05	5.8	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/19/24 07:05	
Lab File ID	: CCV1219		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011166-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	68	0
2-Fluorophenol	1.177	1.098	.05	6.7	20	65	0
Phenol-d6	1.447	1.362	.05	5.9	20	65	0
Bis(2-chloroethyl)ether	1000	914.932	.05	8.5	20	65	0
n-nitrosodi-n-propylamine	0.873	0.809	.05	7.3	20	63	0
Hexachloroethane	0.524	0.478	.05	8.8	20	63	0
Nitrobenzene-d5	1.277	1.203	.05	5.8	20	64	0
Naphthalene-d8	1	1	.05	0	20	69	0
Naphthalene	1	0.887	.05	11.3	20	65	0
Hexachlorobutadiene	0.189	0.166	.05	12.2	20	63	0
2-Methylnaphthalene	0.694	0.625	.05	9.9	20	65	0
1-Methylnaphthalene	0.639	0.573	.05	10.3	20	66	0
2-Fluorobiphenyl	0.806	0.688	.05	14.6	20	64	0
2-Chloronaphthalene	0.689	0.597	.05	13.4	20	64	0
2,6-Dinitrotoluene	0.156	0.146	.05	6.4	20	67	0
Acenaphthylene	0.994	0.922	.05	7.2	20	65	0
Acenaphthene-d10	1	1	.05	0	20	71	0
Acenaphthene	1.207	1.049	.05	13.1	20	65	0
2,4-Dinitrotoluene	0.336	0.346	.05	-3	20	69	0
Fluorene	1.306	1.197	.05	8.3	20	67	0
2,4,6-Tribromophenol	0.159	0.161	.05	-1.3	20	68	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	807.375	.05	19.3	20	65	0
Hexachlorobenzene	0.211	0.185	.05	12.3	20	69	0
Pentachlorophenol	1000	904.308	.05	9.6	20	69	0
Phenanthrene	0.953	0.878	.05	7.9	20	69	0
Anthracene	0.986	0.895	.05	9.2	20	69	0
Fluoranthene	1.098	1.09	.05	0.7	20	79	0
Pyrene	1.132	1.15	.05	-1.6	20	80	0
4-Terphenyl-d14	0.727	0.674	.05	7.3	20	73	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	894.406	.05	10.6	20	81	0
3,3'-Dichlorobenzidine	0.432	0.439	.05	-1.6	20	88	0
Chrysene	1.059	1.038	.05	2	20	81	0
Bis(2-ethylhexyl)phthalate	0.708	0.699	.05	1.3	20	87	0
Perylene-d12	1	1	.05	0	20	90	0
Benzo[b]fluoranthene	1.214	1.12	.05	7.7	20	86	0
Benzo[k]fluoranthene	1.091	1	.05	8.3	20	79	0
Benzo[a]pyrene	0.994	0.959	.05	3.5	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.959	.05	5.7	20	83	0
Dibenzo[a,h]anthracene	0.955	0.886	.05	7.2	20	82	0
Benzo[g,h,i]perylene	0.987	0.891	.05	9.7	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/19/24 19:33	
Lab File ID	: CCV1219N		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011538-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	122	0
2-Fluorophenol	1.075	1.008	.05	6.2	20	117	0
Phenol-d6	1.36	1.294	.05	4.9	20	121	0
Bis(2-chloroethyl)ether	1000	913.34	.05	8.7	20	119	0
n-nitrosodi-n-propylamine	0.775	0.767	.05	1	20	116	0
Hexachloroethane	0.503	0.469	.05	6.8	20	117	0
Nitrobenzene-d5	1.158	1.156	.05	0.2	20	118	0
Naphthalene-d8	1	1	.05	0	20	133	0
Naphthalene	1.074	0.985	.05	8.3	20	126	0
Hexachlorobutadiene	0.22	0.175	.05	20.5*	20	108	0
2-Methylnaphthalene	0.724	0.672	.05	7.2	20	125	0
1-Methylnaphthalene	0.677	0.622	.05	8.1	20	125	0
2-Fluorobiphenyl	0.89	0.752	.05	15.5	20	115	0
2-Chloronaphthalene	0.758	0.668	.05	11.9	20	118	0
2,6-Dinitrotoluene	0.173	0.172	.05	0.6	20	124	0
Acenaphthylene	1.076	1.029	.05	4.4	20	122	0
Acenaphthene-d10	1	1	.05	0	20	131	0
Acenaphthene	1.289	1.161	.05	9.9	20	124	0
2,4-Dinitrotoluene	0.376	0.391	.05	-4	20	128	0
Fluorene	1.423	1.264	.05	11.2	20	120	0
2,4,6-Tribromophenol	0.217	0.208	.05	4.1	20	111	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	905.541	.05	9.4	20	122	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	109	0
Pentachlorophenol	1000	844.068	.05	15.6	20	102	0
Phenanthrene	1.105	0.966	.05	12.6	20	123	0
Anthracene	1.064	0.986	.05	7.3	20	123	0
Fluoranthene	1.27	1.155	.05	9.1	20	124	0
Pyrene	1.342	1.237	.05	7.8	20	125	0
4-Terphenyl-d14	0.922	0.765	.05	17	20	116	0
Chrysene-d12	1	1	.05	0	20	137	0
Benzo[a]anthracene	1000	986.27	.05	1.4	20	129	0
3,3'-Dichlorobenzidine	0.448	0.457	.05	-2	20	129	0
Chrysene	1.132	1.079	.05	4.7	20	122	0
Bis(2-ethylhexyl)phthalate	0.648	0.778	.05	-20.1*	20	155	0
Perylene-d12	1	1	.05	0	20	144	0
Benzo[b]fluoranthene	1.113	0.982	.05	11.8	20	125	0
Benzo[k]fluoranthene	1.017	0.975	.05	4.1	20	133	0
Benzo[a]pyrene	0.923	0.896	.05	2.9	20	132	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	134	0
Dibenzo[a,h]anthracene	0.913	0.908	.05	0.5	20	135	0
Benzo[g,h,i]perylene	0.963	0.893	.05	7.3	20	130	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : ccv1217a.D
Acq On : 17 Dec 2024 07:02 am
Operator : SV118:rp
Sample : WG2010053-3,32,,ICV 10884 (1130a)
Misc : WG2010053,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 17 07:25:56 2024
Quant Method : I:\8270SIM\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:38 2024
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	58	0.00
2	s	2-Fluorophenol	1.131	1.126	0.4	59	0.00
3	s	Phenol-d6	1.390	1.313	5.5	55	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	954.438	4.6	55	0.00
5	T	n-nitrosodi-n-propylamine	0.879	0.864	1.7	58	0.00
6	t	Hexachloroethane	0.502	0.513	-2.2	60	0.00
7	s	Nitrobenzene-d5	0.897	1.225	-36.6#	76	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	62	0.00
9	t	Naphthalene	1.053	0.908	13.8	55	0.00
10	t	Hexachlorobutadiene	0.187	0.170	9.1	57	0.00
11	t	2-Methylnaphthalene	0.674	0.743	-10.2	69	0.00
12	t	1-Methylnaphthalene	0.627	0.678	-8.1	68	0.00
13	s	2-Fluorobiphenyl	0.769	0.844	-9.8	70	0.00
14	t	2-Chloronaphthalene	0.677	0.718	-6.1	66	0.00
15	t	2,6-Dinitrotoluene	0.092	0.163	-77.2#	104	0.00
16	t	Acenaphthylene	1.002	1.109	-10.7	67	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	77	0.00
18	t	Acenaphthene	1.308	1.095	16.3	67	0.00
19	t	2,4-Dinitrotoluene	*1000.000	1265.669	-26.6#	106	0.00
20	t	Fluorene	1.393	1.223	12.2	68	0.00
21	s	2,4,6-Tribromophenol	0.184	0.210	-14.1	83	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	76	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	1565.767	-56.6#	130	0.00
24	t	Hexachlorobenzene	0.263	0.221	16.0	65	0.00
25	t	Pentachlorophenol	0.098	0.089	9.2	62	0.00
26	t	Phenanthrene	1.086	0.884	18.6	65	0.00
27	t	Anthracene	1.066	0.926	13.1	66	0.00
28	t	Fluoranthene	1.216	0.987	18.8	63	0.00
29	t	Pyrene	1.291	1.042	19.3	62	0.00
30	s	4-Terphenyl-d14	0.818	0.694	15.2	67	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	72	0.00
32	t	Benzo[a]anthracene	0.392	0.301	23.2#	60	0.00
33	t	3,3'-Dichlorobenzidine	0.418	0.425	-1.7	64	0.00
34	t	Chrysene	1.207	1.022	15.3	61	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.696	0.721	-3.6	70	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : ccv1217a.D
Acq On : 17 Dec 2024 07:02 am
Operator : SV118:rp
Sample : WG2010053-3,32,,ICV 10884 (1130a)
Misc : WG2010053,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 17 07:25:56 2024
Quant Method : I:\8270SIM\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:38 2024
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	68	0.00
37	t	Benzo[b]fluoranthene	1.031	1.006	2.4	64	0.00
38	t	Benzo[k]fluoranthene	1.093	0.997	8.8	59	0.00
39	t	Benzo[a]pyrene	0.911	0.883	3.1	61	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.849	0.822	3.2	58	0.00
41	t	Dibenzo[a,h]anthracene	0.865	0.841	2.8	61	0.00
42	t	Benzo[g,h,i]perylene	0.890	0.803	9.8	58	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : ccv1217a.D
Acq On : 17 Dec 2024 07:02 am
Operator : SV118:rp
Sample : WG2010053-3,32,,ICV 10884 (1130a)
Misc : WG2010053,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 17 07:25:56 2024
Quant Method : I:\8270SIM\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:38 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.218	152	250918	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.889	136	972756	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.874	164	669454	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.717	188	1340658	4000.000	ng/ml	0.00
31) Chrysene-d12	6.281	240	1212919	4000.000	ng/ml	0.00
36) Perylene-d12	7.488	264	1219101	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.621	112	70626	995.542	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.78%			
3) Phenol-d6	2.033	99	82336	944.505	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.23%			
7) Nitrobenzene-d5	2.503	82	76858	1365.620	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 136.56%#			
13) 2-Fluorobiphenyl	3.491	172	205214	1097.169	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 109.72%			
21) 2,4,6-Tribromophenol	4.320	330	35105	1138.005	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.90%			
30) 4-Terphenyl-d14	5.636	244	232759	848.531	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.85%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.081	93	70960	954.438	ng/ml	96
5) n-nitrosodi-n-propylamine	2.421	70	54214	983.336	ng/ml	94
6) Hexachloroethane	2.480	117	32199	1022.803	ng/ml	85
9) Naphthalene	2.901	128	220732	862.006	ng/ml	100
10) Hexachlorobutadiene	2.976	225	41400	910.912	ng/ml	99
11) 2-Methylnaphthalene	3.286	142	180659	1101.472	ng/ml	100
12) 1-Methylnaphthalene	3.341	142	164944	1080.971	ng/ml	99
14) 2-Chloronaphthalene	3.555	162	174614	1060.733	ng/ml#	88
15) 2,6-Dinitrotoluene	3.755	165	39597	1777.196	ng/ml	97
16) Acenaphthylene	3.792	152	269739	1106.883	ng/ml	100
18) Acenaphthene	3.891	153	183207	837.136	ng/ml	99
19) 2,4-Dinitrotoluene	3.984	165	52869	1265.669	ng/ml	97
20) Fluorene	4.182	166	204702	877.953	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.213	198	26727	1565.767	ng/ml	90
24) Hexachlorobenzene	4.502	284	73981	838.157	ng/ml	99
25) Pentachlorophenol	4.614	266	29876	909.981	ng/ml	100
26) Phenanthrene	4.729	178	296312	814.165	ng/ml	100
27) Anthracene	4.756	178	310204	868.513	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : ccv1217a.D
Acq On : 17 Dec 2024 07:02 am
Operator : SV118:rp
Sample : WG2010053-3,32,,ICV 10884 (1130a)
Misc : WG2010053,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 17 07:25:56 2024
Quant Method : I:\8270SIM\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:38 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.409	202	330648	811.609	ng/ml#	93
29) Pyrene	5.540	202	349192	806.879	ng/ml	99
32) Benzo[a]anthracene	6.273	226	91326	768.842	ng/ml#	99
33) 3,3'-Dichlorobenzidine	6.260	252	128847	1017.600	ng/ml	98
34) Chrysene	6.298	228	309846	846.829	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.301	149	218570	1035.902	ng/ml	96
37) Benzo[b]fluoranthene	7.115	252	306561	975.367	ng/ml	99
38) Benzo[k]fluoranthene	7.136	252	303775	911.567	ng/ml	100
39) Benzo[a]pyrene	7.426	252	269205	969.486	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.702	276	250571	967.930	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.742	278	256431M6	973.093	ng/ml	
42) Benzo[g,h,i]perylene	9.042	276	244768	901.968	ng/ml#	81

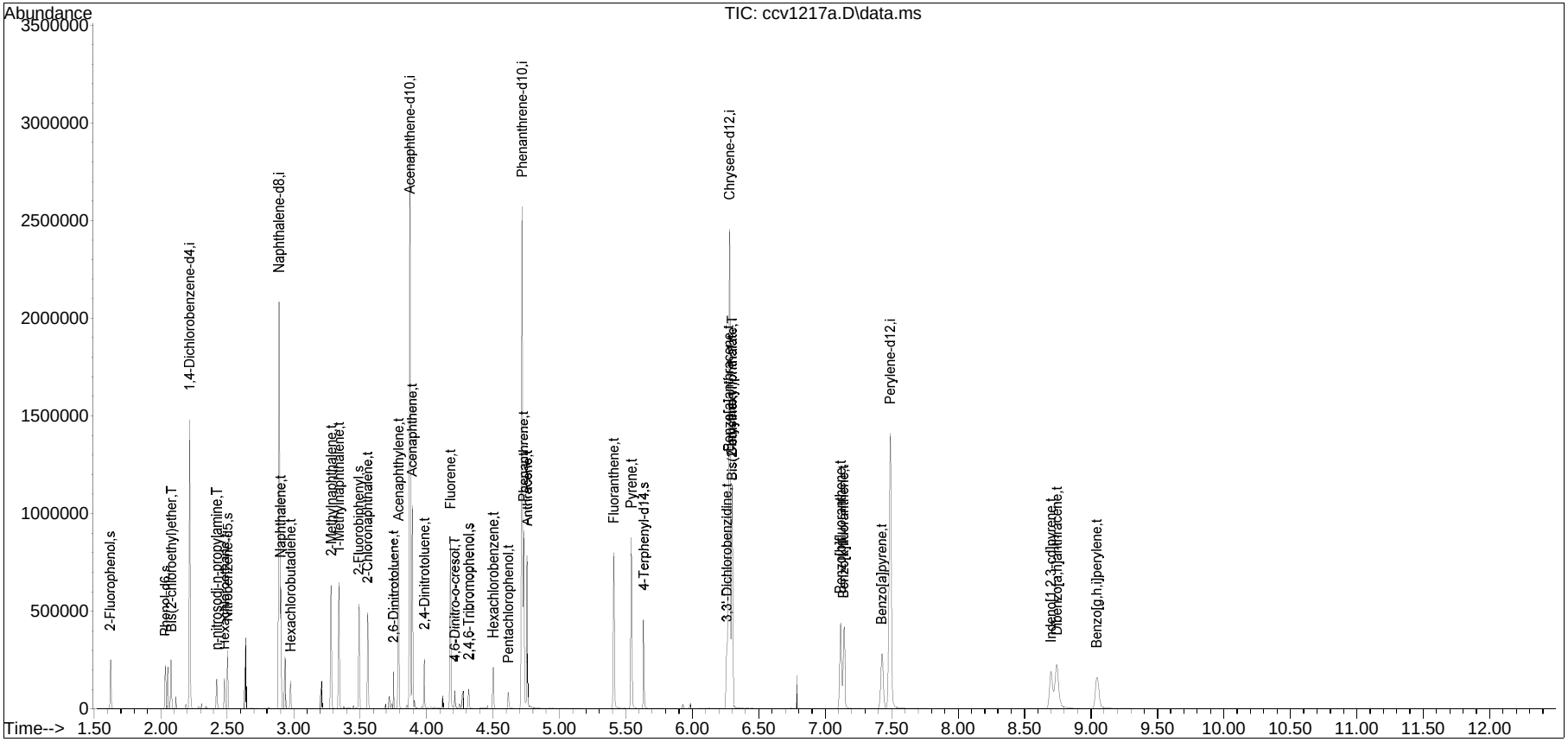
(#) = qualifier out of range (m) = manual integration (+) = signals summed

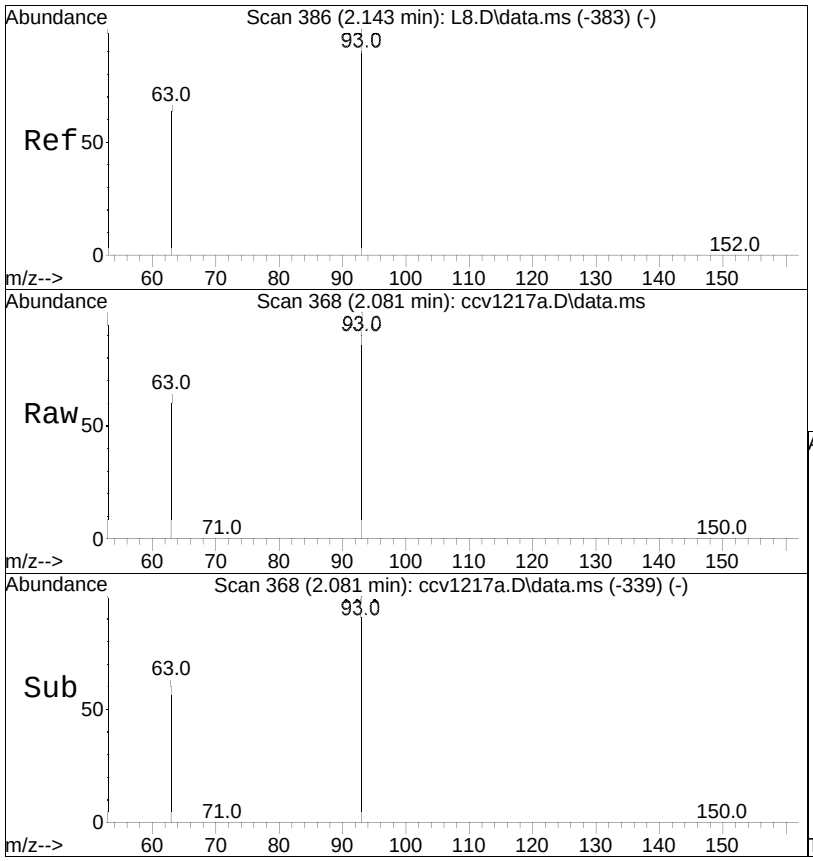
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : ccv1217a.D
Acq On : 17 Dec 2024 07:02 am
Operator : SV118:rp
Sample : WG2010053-3,32,,ICV 10884 (1130a)
Misc : WG2010053,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 17 07:25:56 2024
Quant Method : I:\8270SIM\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:38 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

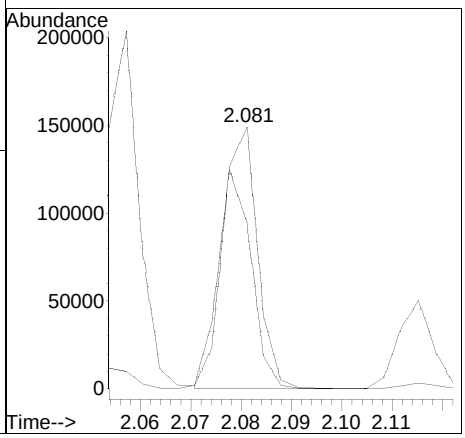


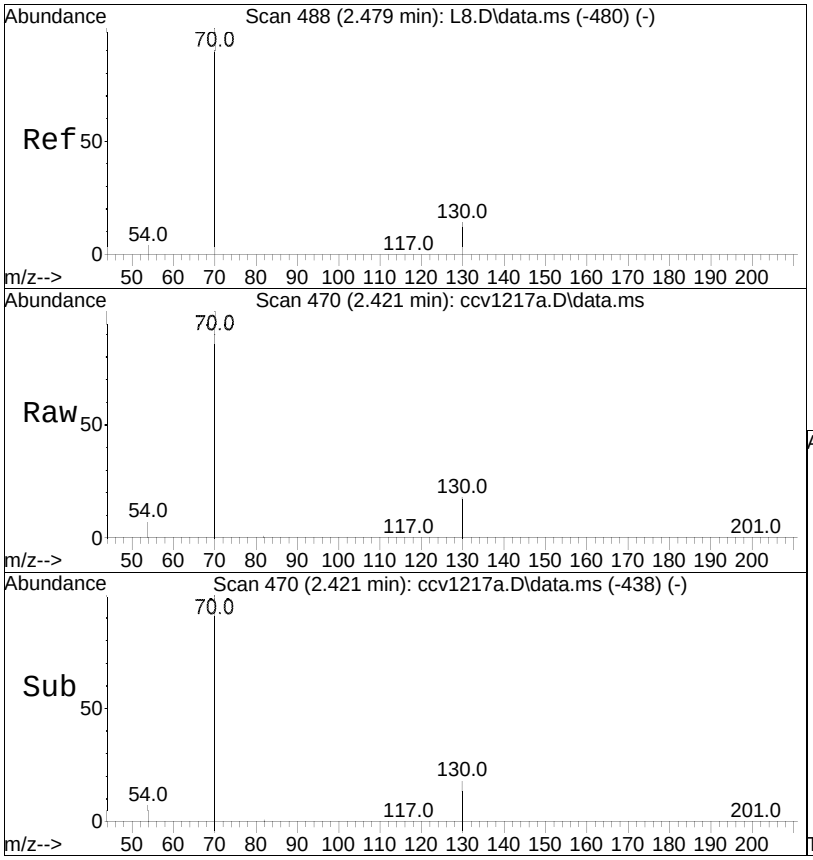


#4
Bis(2-chloroethyl)ether
Concen: 954.44 ng/ml
RT: 2.081 min Scan# 368
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion: 93 Resp: 70960

Ion	Ratio	Lower	Upper
93	100		
63	81.1	68.1	102.1

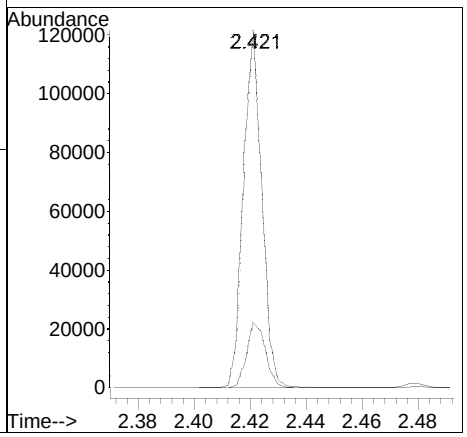


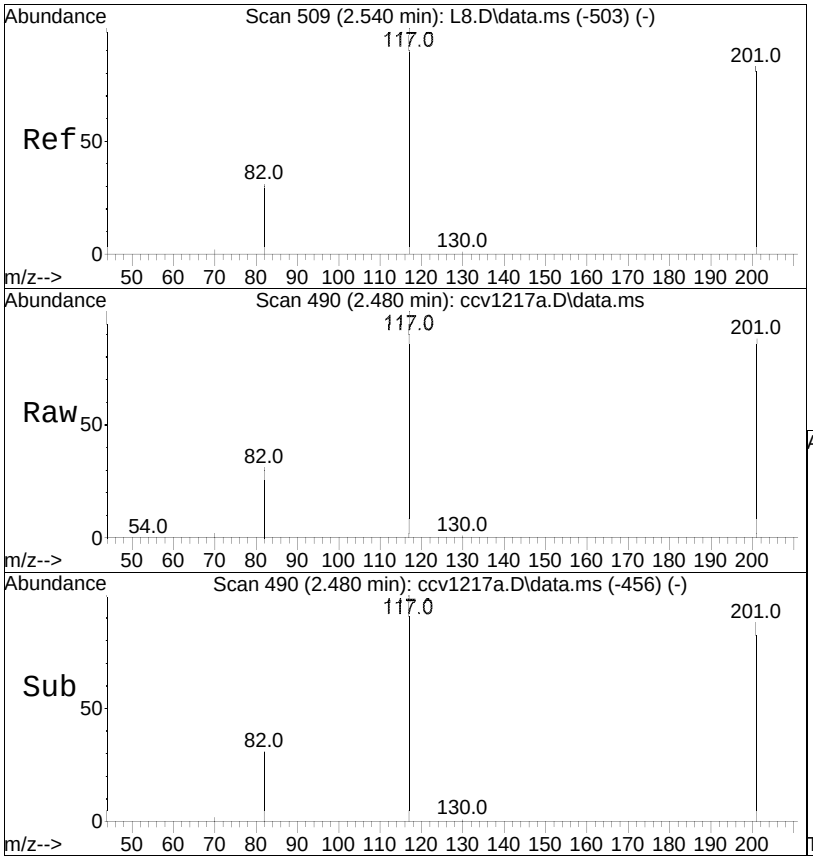


#5
n-nitrosodi-n-propylamine
Concen: 983.34 ng/ml
RT: 2.421 min Scan# 470
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion: 70 Resp: 54214

Ion	Ratio	Lower	Upper
70	100		
130	18.9	13.0	19.4

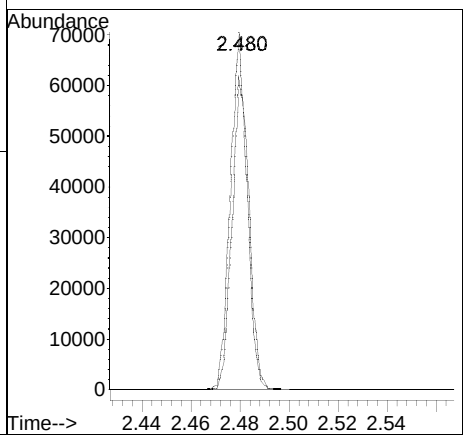


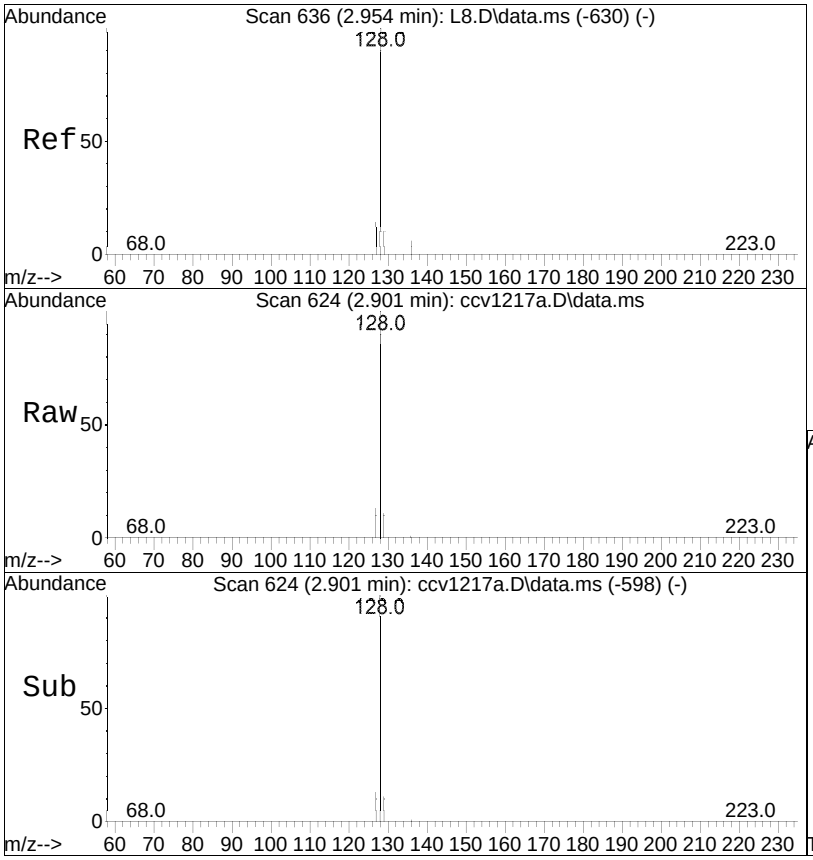


#6
Hexachloroethane
Concen: 1022.80 ng/ml
RT: 2.480 min Scan# 490
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	90.9	84.9	127.3

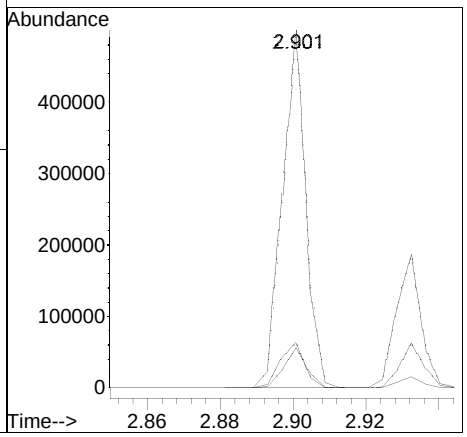


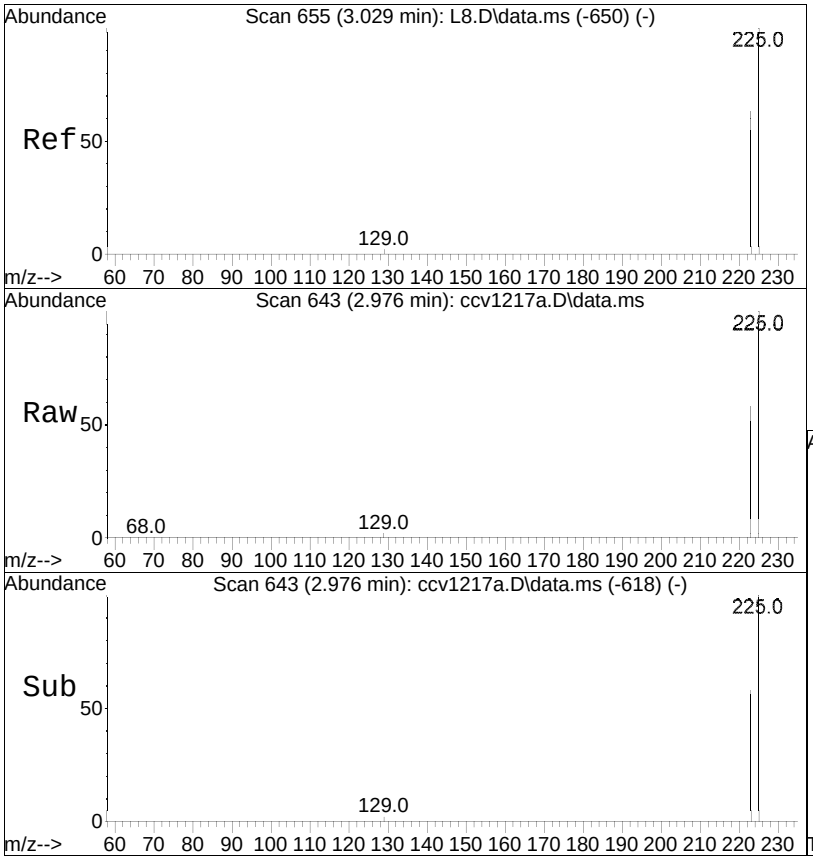


#9
Naphthalene
Concen: 862.01 ng/ml
RT: 2.901 min Scan# 624
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:128 Resp: 220732

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.7	16.1

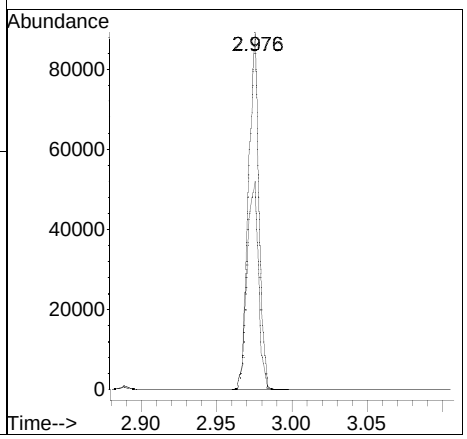


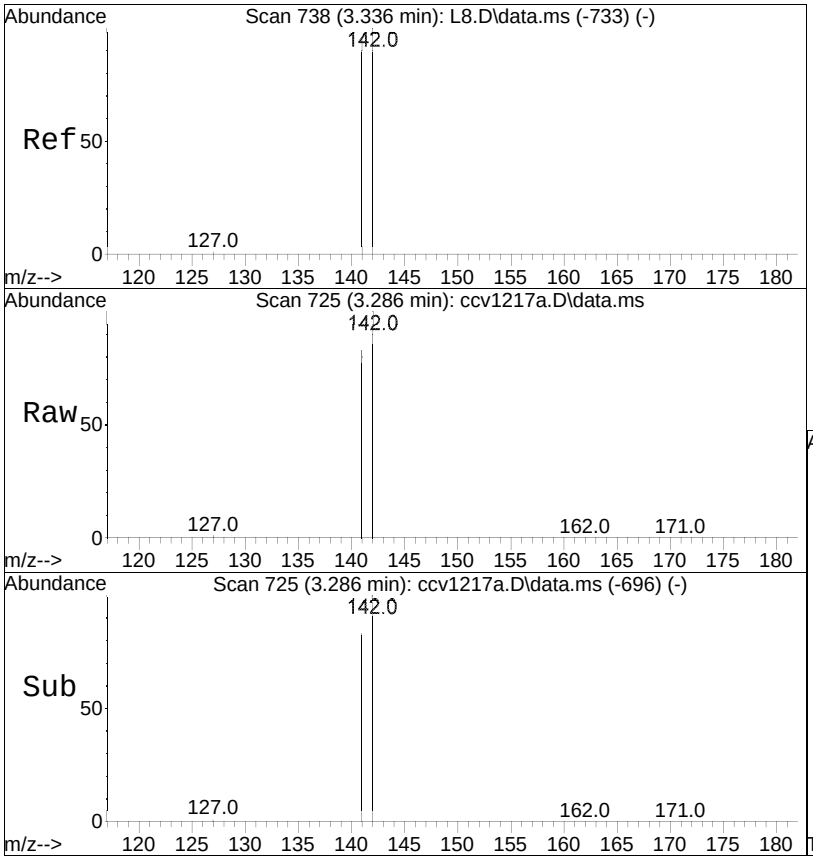


#10
Hexachlorobutadiene
Concen: 910.91 ng/ml
RT: 2.976 min Scan# 643
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:225 Resp: 41400

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.4	75.6

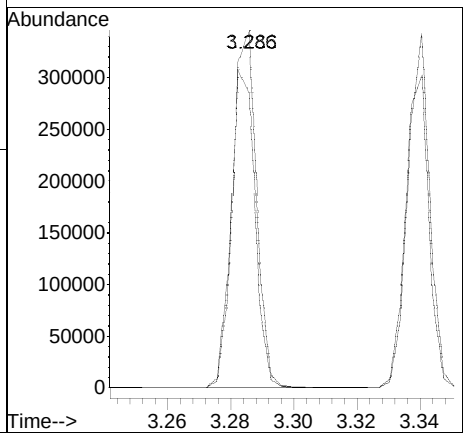


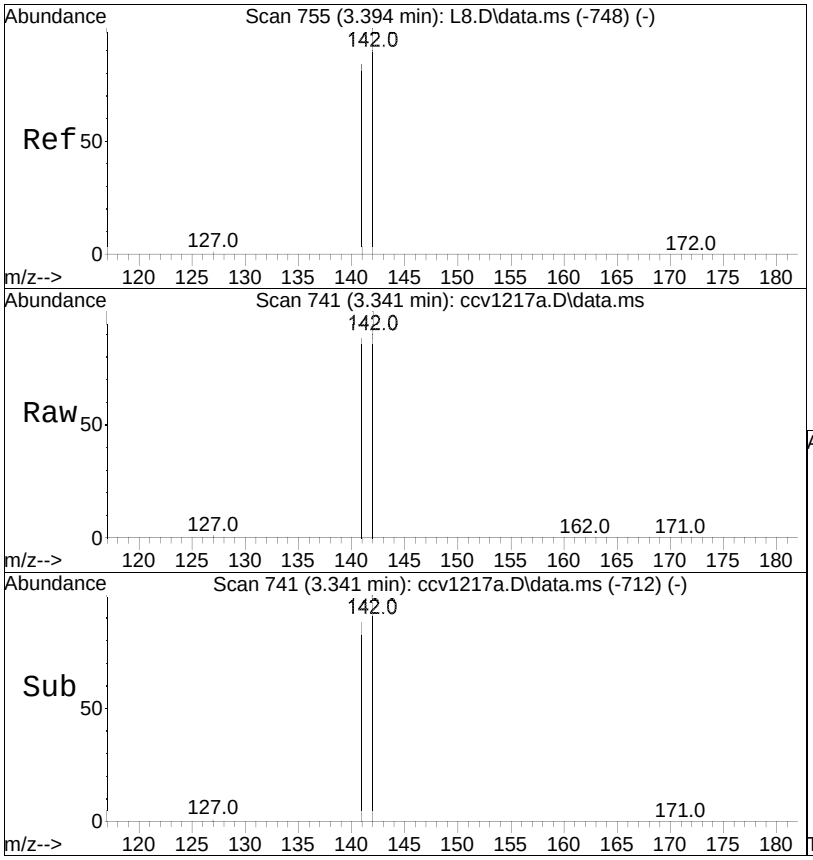


#11
2-Methylnaphthalene
Concen: 1101.47 ng/ml
RT: 3.286 min Scan# 725
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:142 Resp: 180659

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.8	107.8

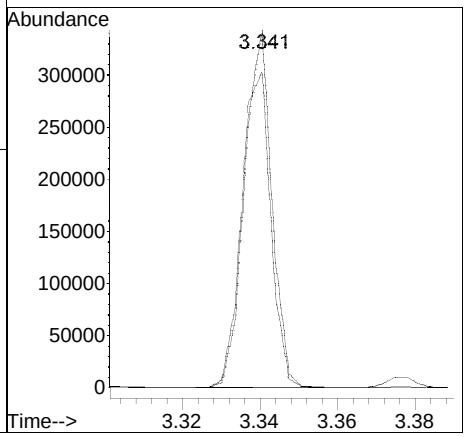


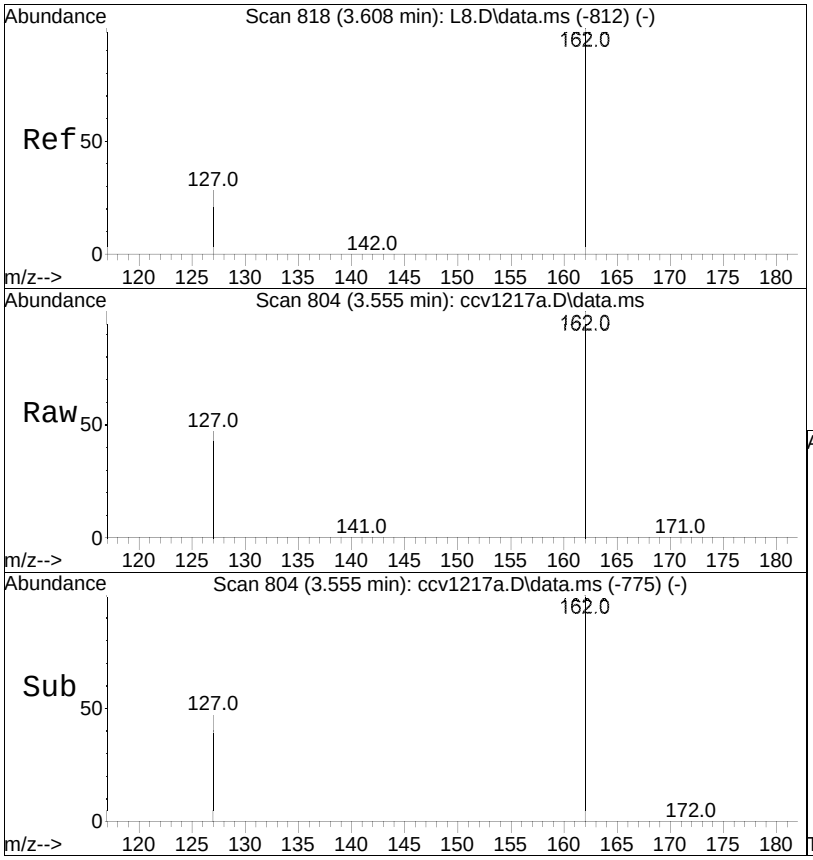


#12
1-Methylnaphthalene
Concen: 1080.97 ng/ml
RT: 3.341 min Scan# 741
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:142 Resp: 164944

Ion	Ratio	Lower	Upper
142	100		
141	94.2	74.6	111.8

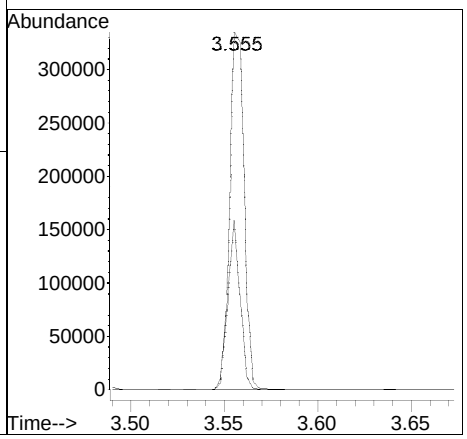


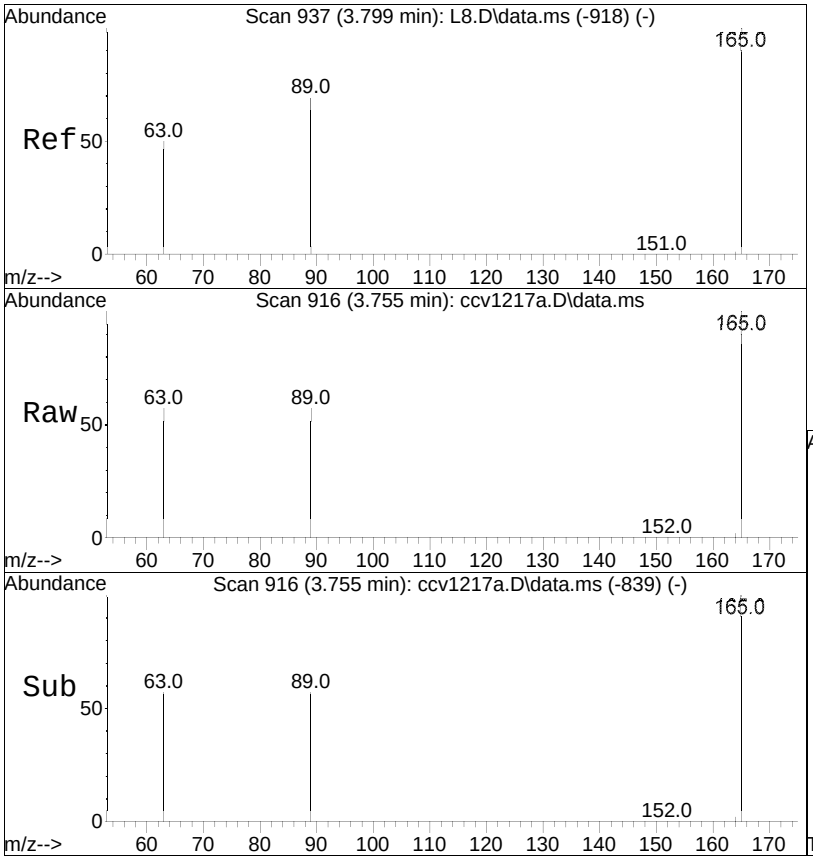


#14
2-Chloronaphthalene
Concen: 1060.73 ng/ml
RT: 3.555 min Scan# 804
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:162 Resp: 174614

Ion	Ratio	Lower	Upper
162	100		
127	40.5	26.9	40.3#

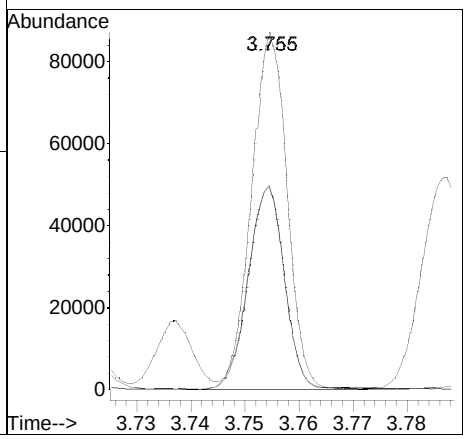


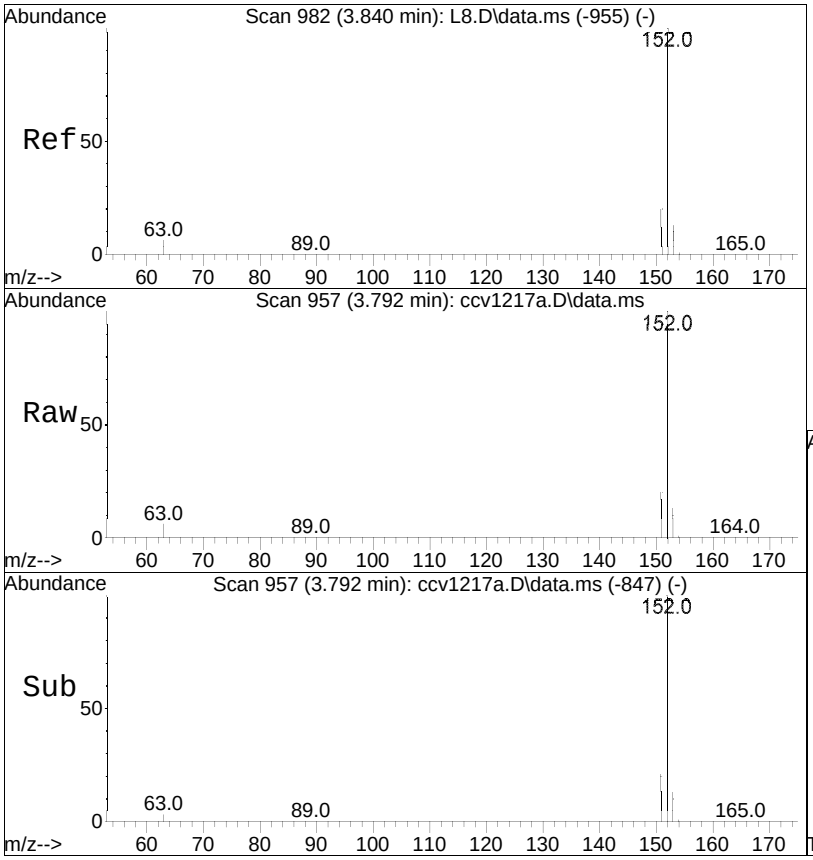


#15
2,6-Dinitrotoluene
Concen: 1777.20 ng/ml
RT: 3.755 min Scan# 916
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:165 Resp: 39597

Ion	Ratio	Lower	Upper
165	100		
89	57.4	44.0	66.0
63	57.3	47.5	71.3

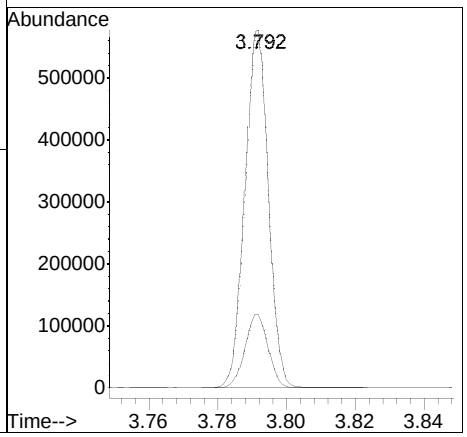


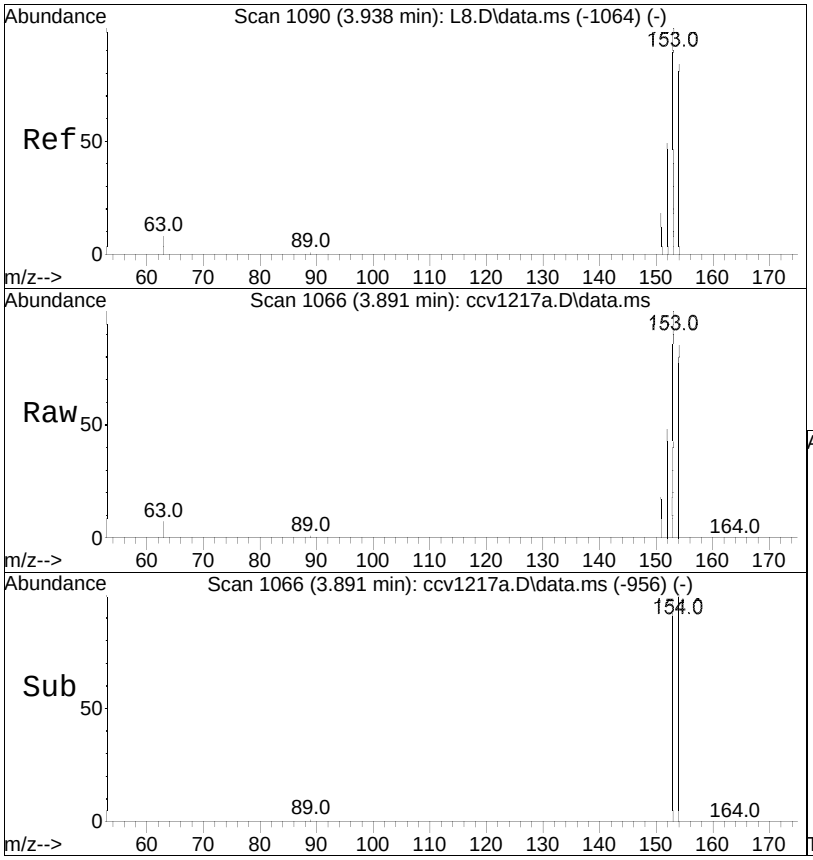


#16
Acenaphthylene
Concen: 1106.88 ng/ml
RT: 3.792 min Scan# 957
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:152 Resp: 269739

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2

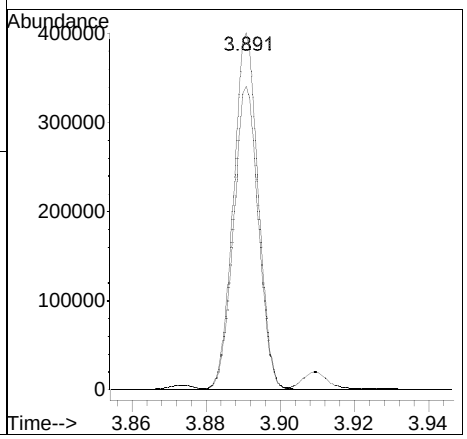


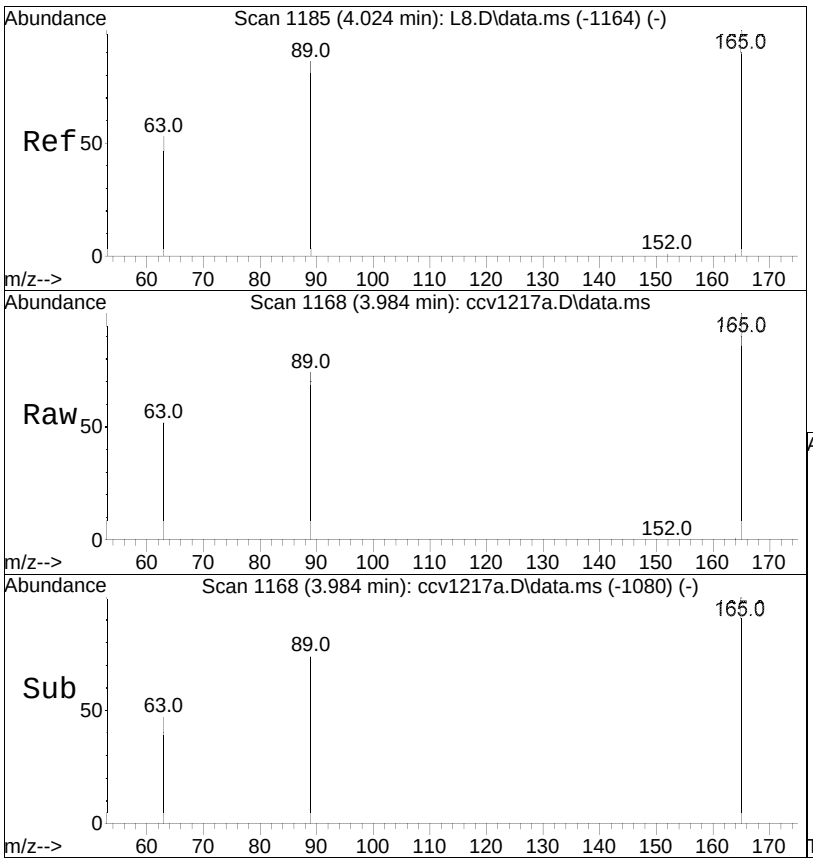


#18
Acenaphthene
Concen: 837.14 ng/ml
RT: 3.891 min Scan# 1066
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:153 Resp: 183207

Ion	Ratio	Lower	Upper
153	100		
154	84.8	68.2	102.4

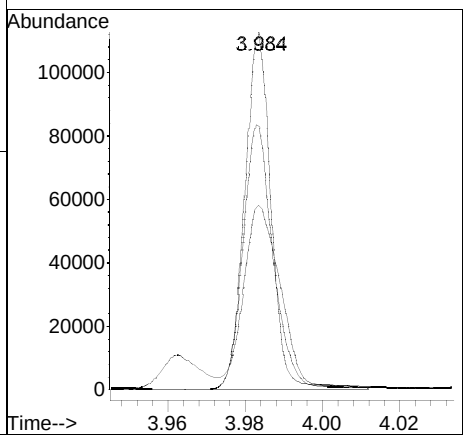


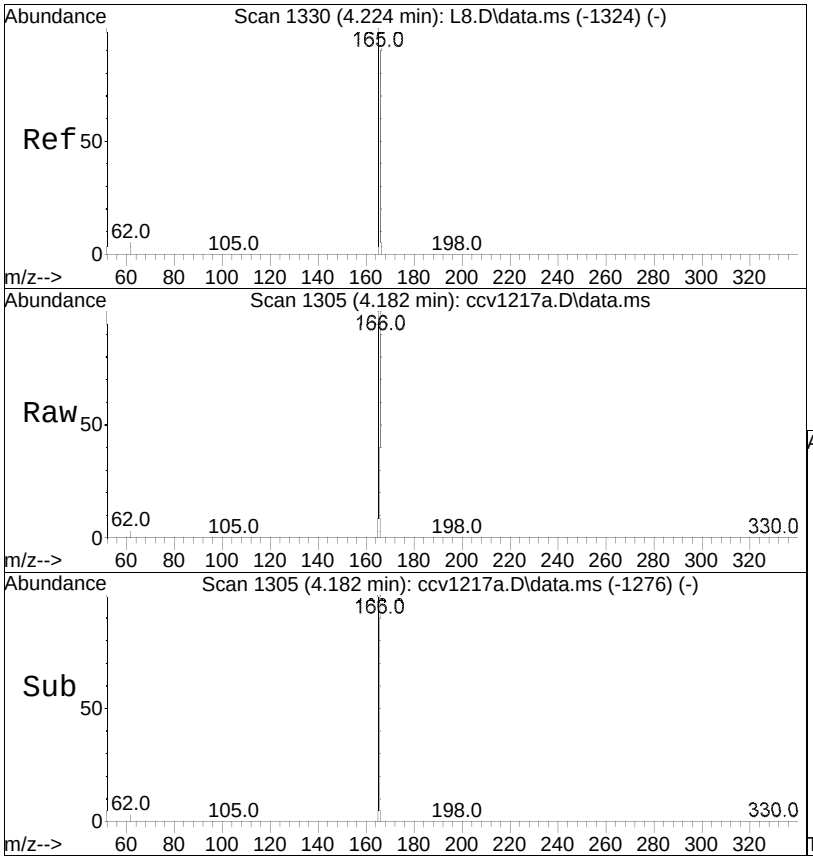


#19
2,4-Dinitrotoluene
Concen: 1265.67 ng/ml
RT: 3.984 min Scan# 1168
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:165 Resp: 52869

Ion	Ratio	Lower	Upper
165	100		
89	84.9	64.6	96.8
63	70.8	56.5	84.7

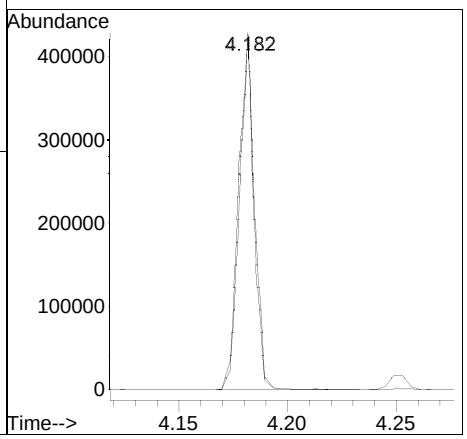


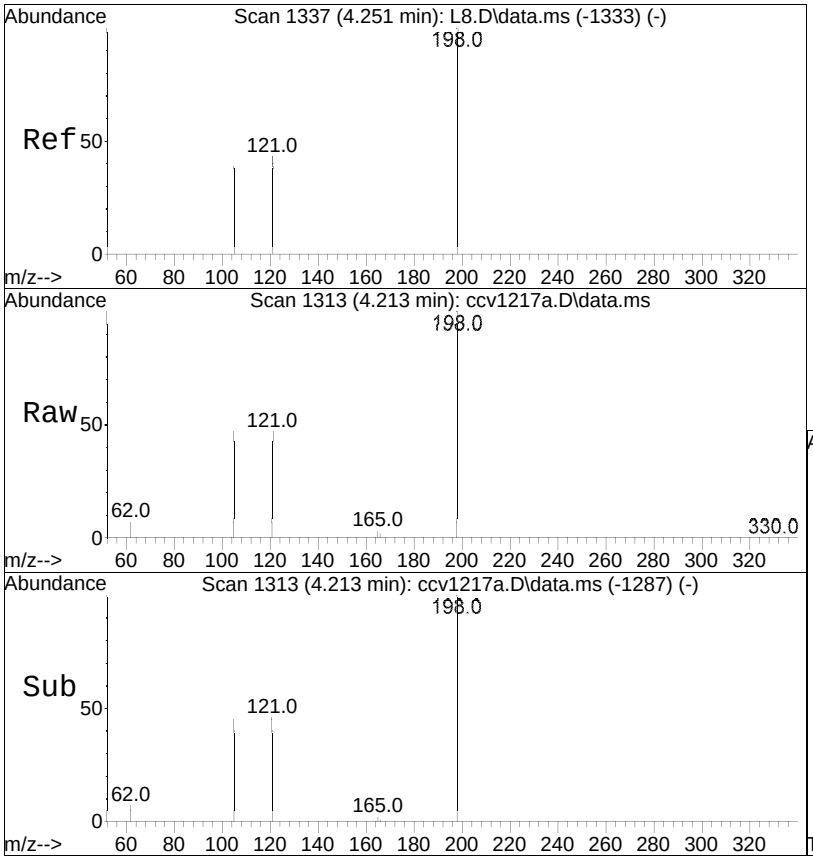


#20
Fluorene
Concen: 877.95 ng/ml
RT: 4.182 min Scan# 1305
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:166 Resp: 204702

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.5	120.7

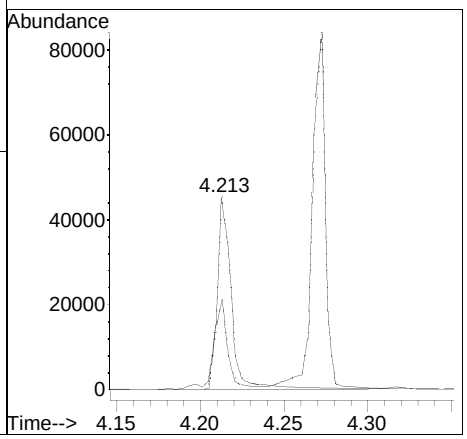


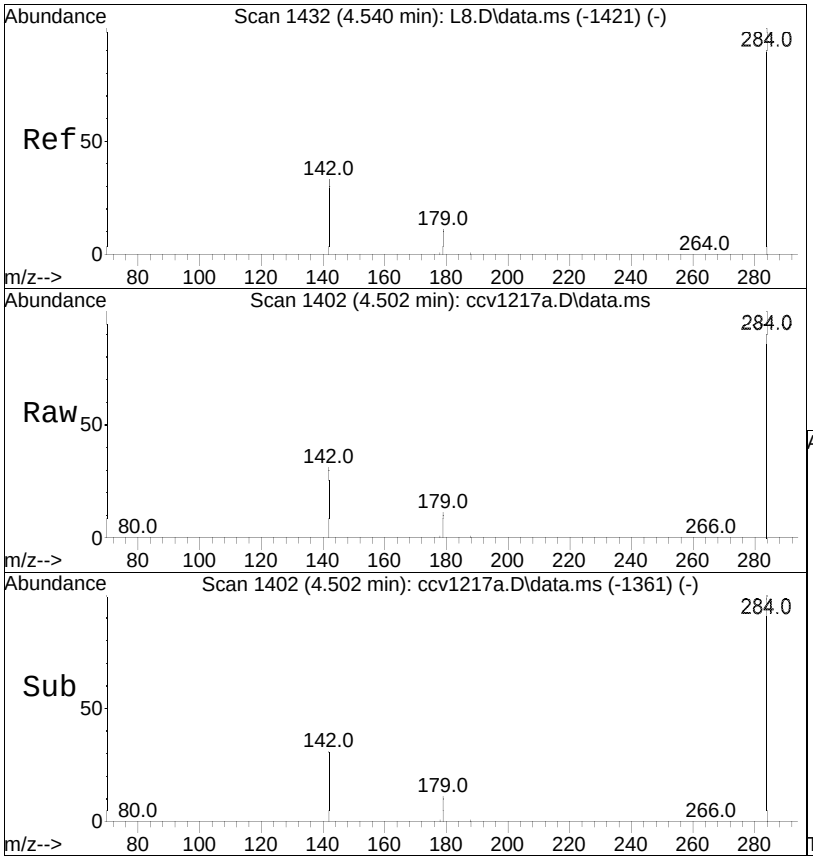


#23
4,6-Dinitro-o-cresol
Concen: 1565.77 ng/ml
RT: 4.213 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:198 Resp: 26727

Ion	Ratio	Lower	Upper
198	100		
105	46.1	31.8	47.6

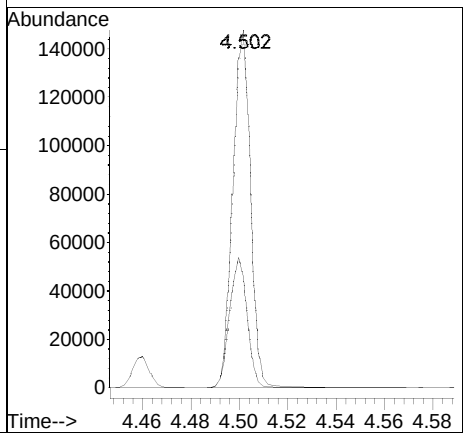


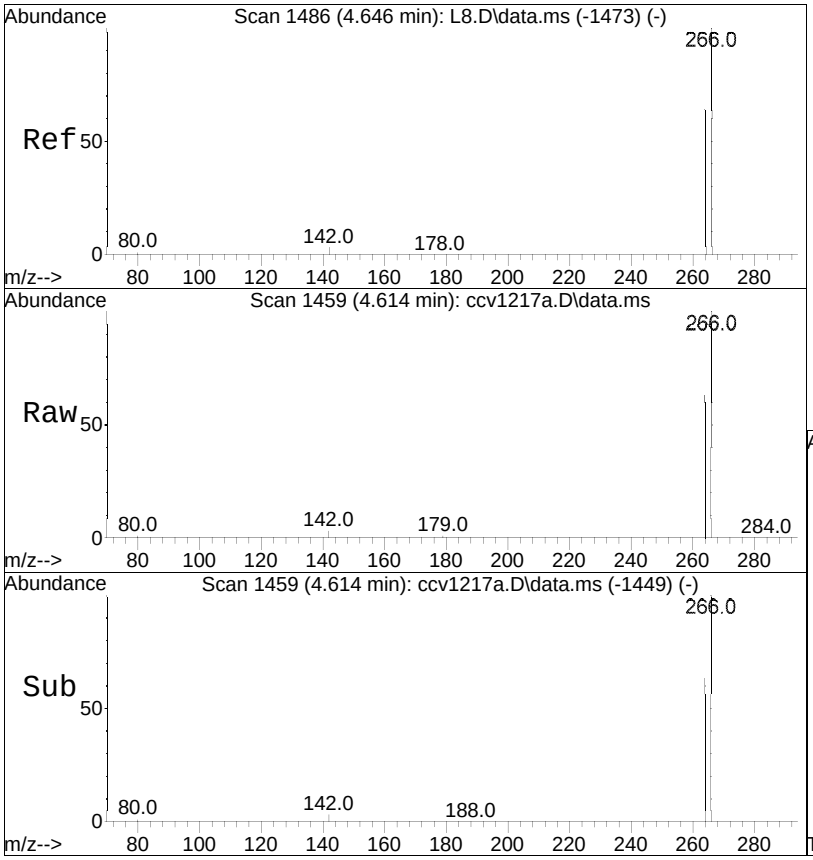


#24
Hexachlorobenzene
Concen: 838.16 ng/ml
RT: 4.502 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:284 Resp: 73981

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.4	42.6

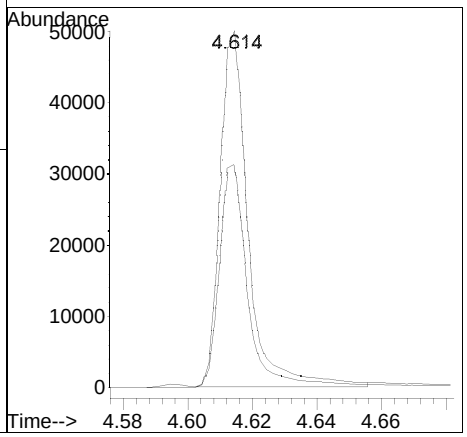


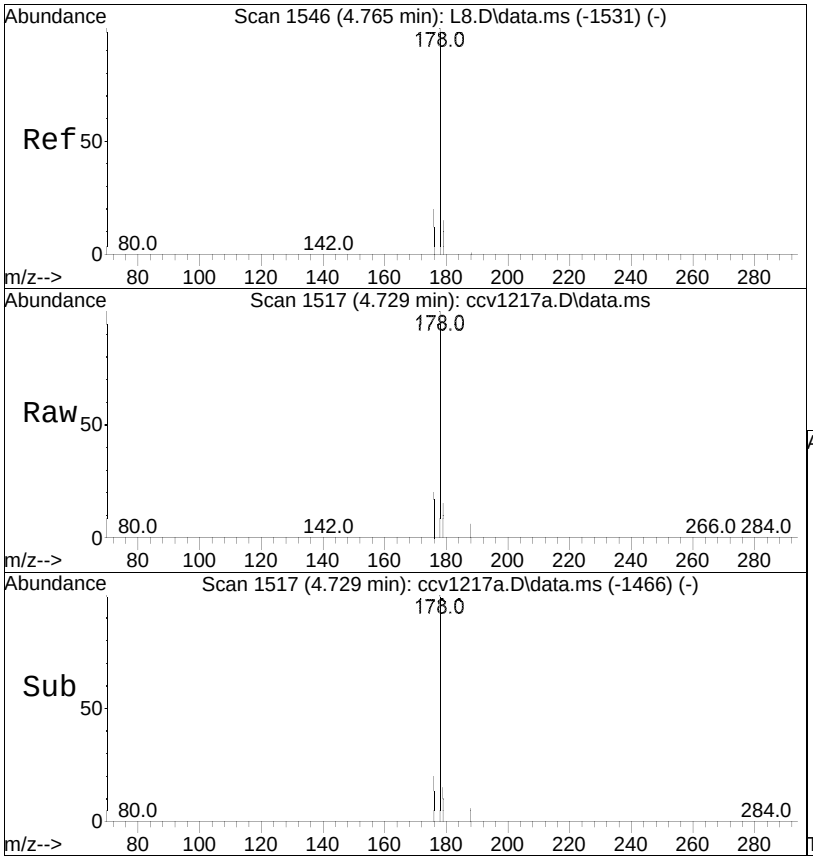


#25
Pentachlorophenol
Concen: 909.98 ng/ml
RT: 4.614 min Scan# 1459
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:266 Resp: 29876

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.6	76.0

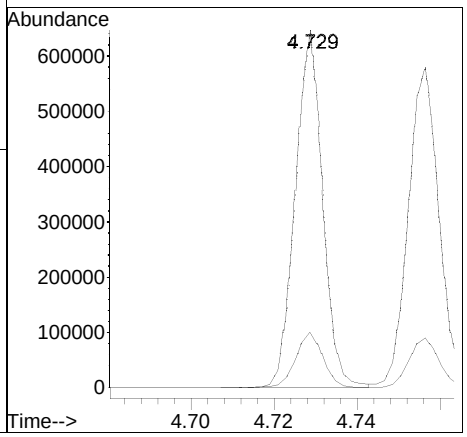


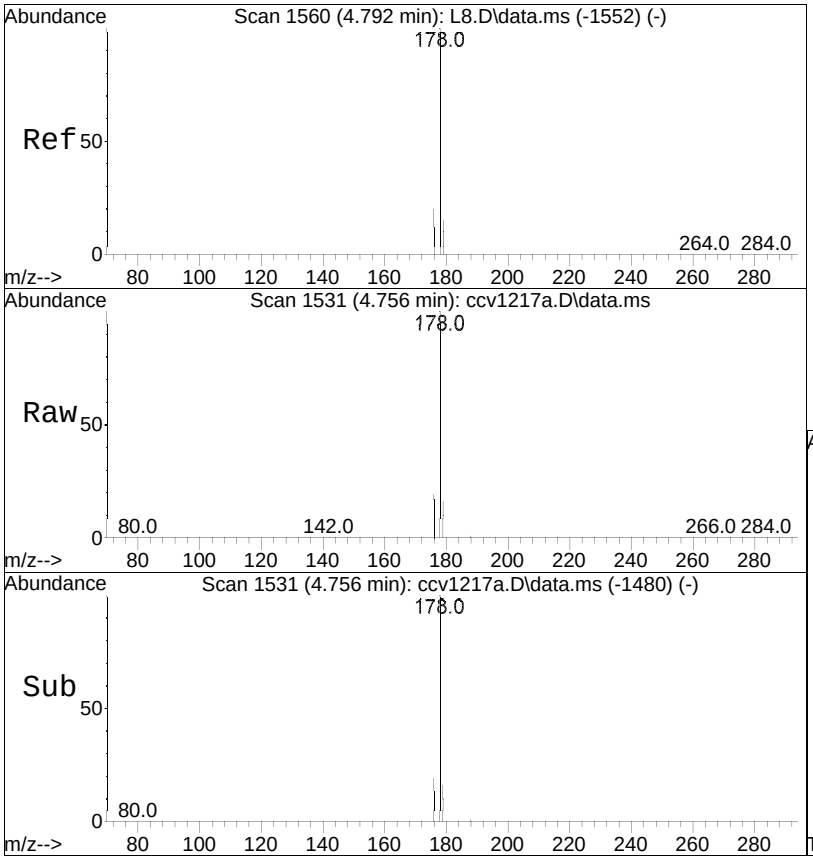


#26
Phenanthrene
Concen: 814.16 ng/ml
RT: 4.729 min Scan# 1517
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:178 Resp: 296312

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7

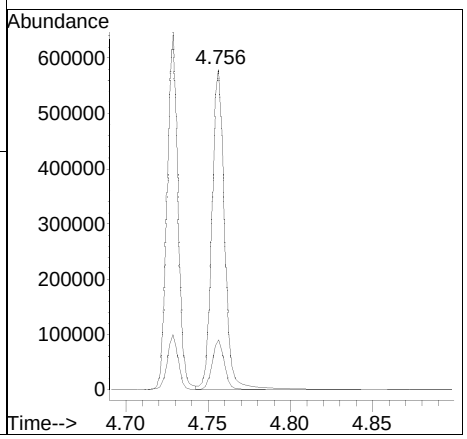


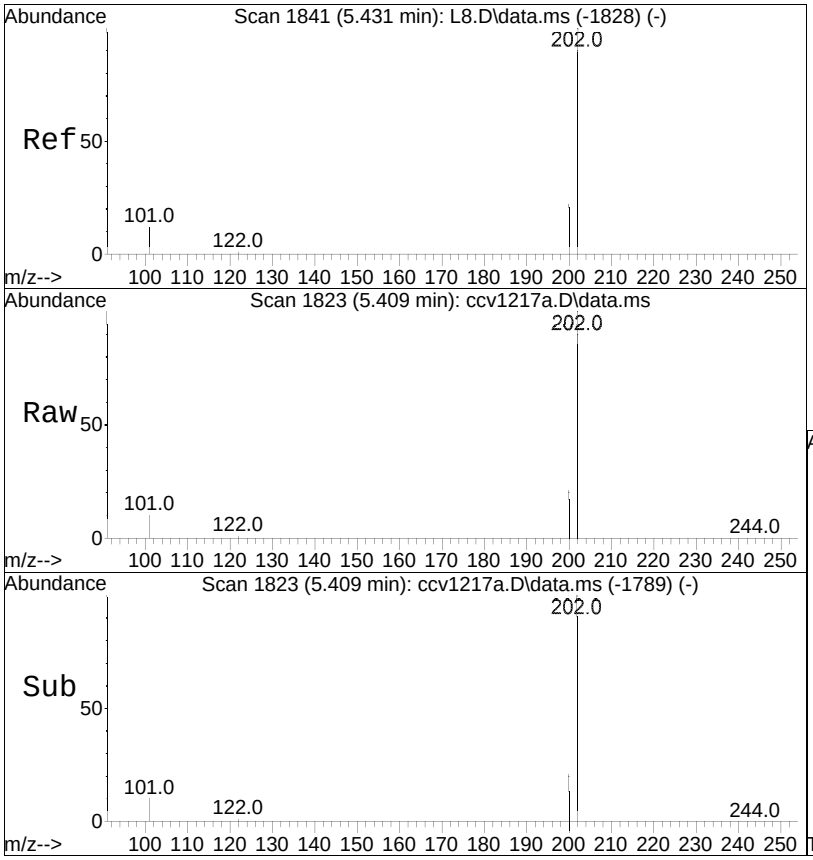


#27
Anthracene
Concen: 868.51 ng/ml
RT: 4.756 min Scan# 1531
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:178 Resp: 310204

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.5	18.7

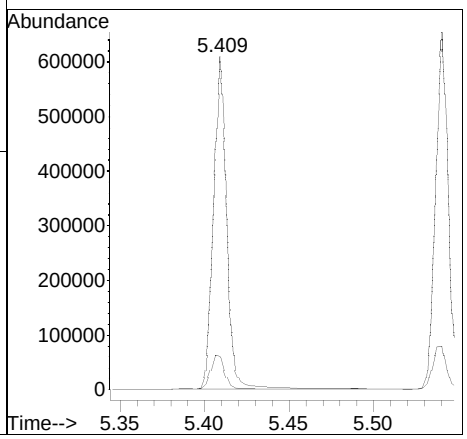


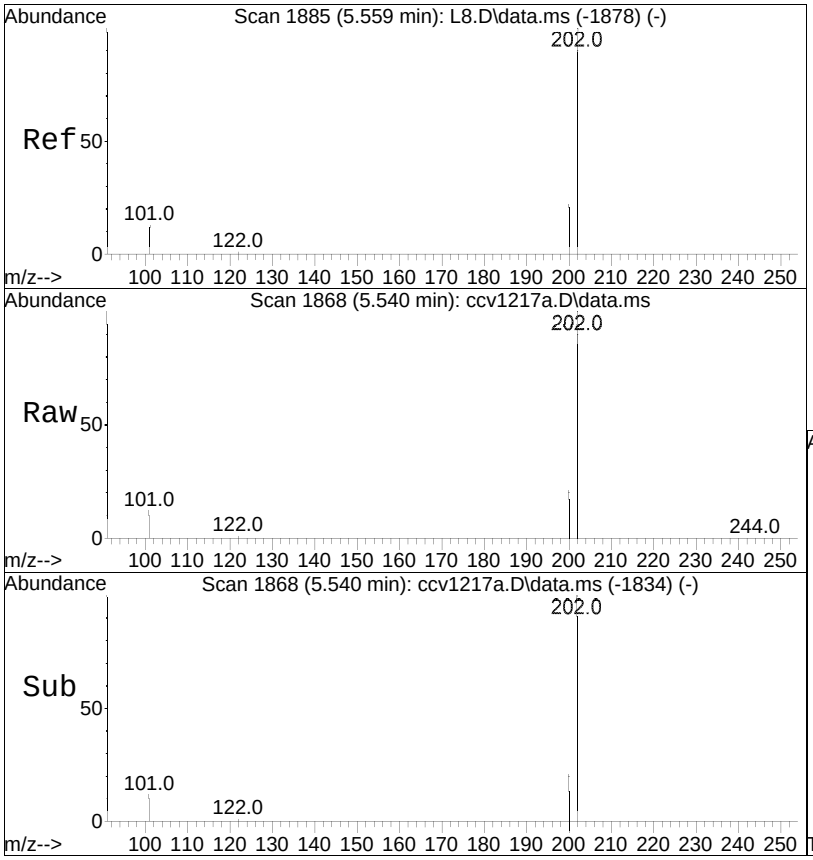


#28
Fluoranthene
Concen: 811.61 ng/ml
RT: 5.409 min Scan# 1823
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:202 Resp: 330648

Ion	Ratio	Lower	Upper
202	100		
101	11.0	6.9	10.3#

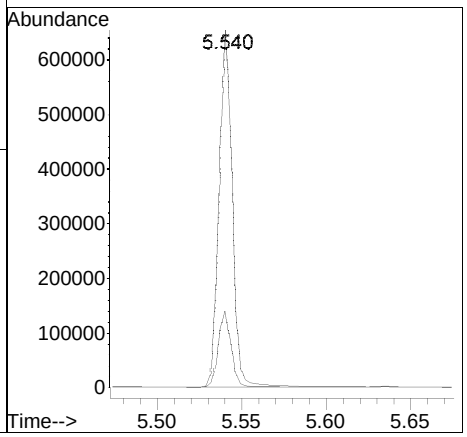


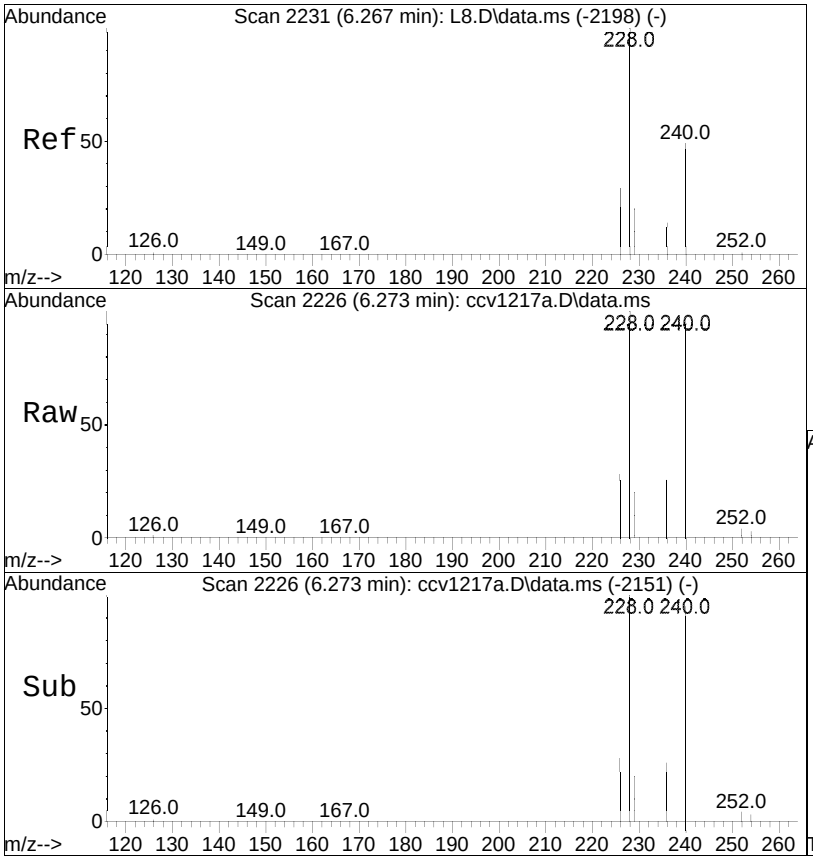


#29
Pyrene
Concen: 806.88 ng/ml
RT: 5.540 min Scan# 1868
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:202 Resp: 349192

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0

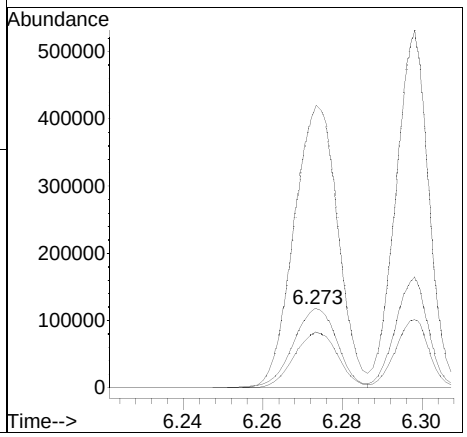


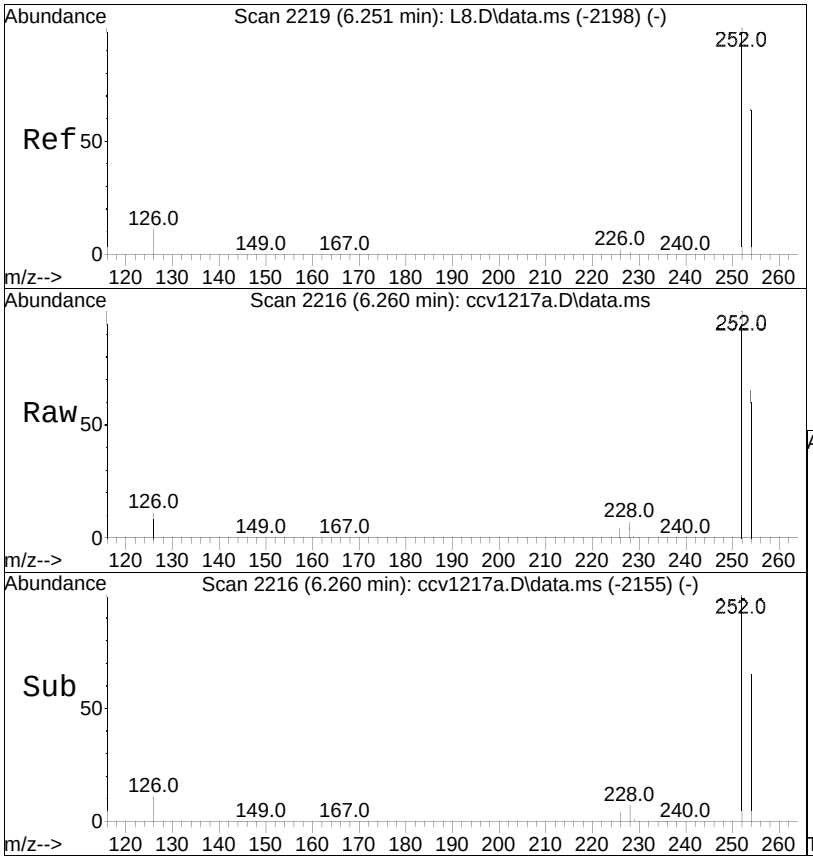


#32
Benzo[a]anthracene
Concen: 768.84 ng/ml
RT: 6.273 min Scan# 2226
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:226 Resp: 91326

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	352.4	284.1	426.1
229	69.1	56.6	85.0

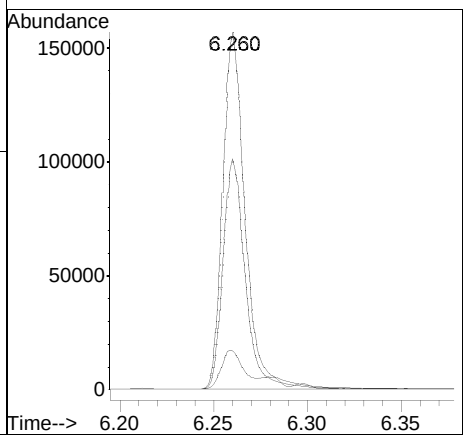


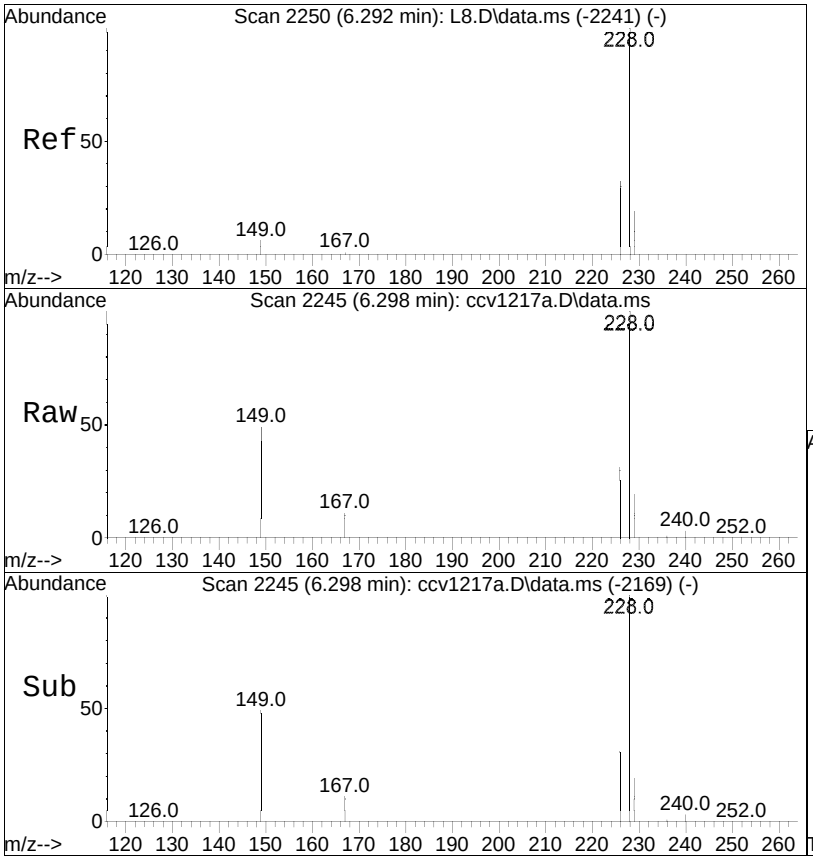


#33
3,3'-Dichlorobenzidine
Concen: 1017.60 ng/ml
RT: 6.260 min Scan# 2216
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:252 Resp: 128847

Ion	Ratio	Lower	Upper
252	100		
126	11.3	11.3	16.9
254	64.6	51.4	77.0

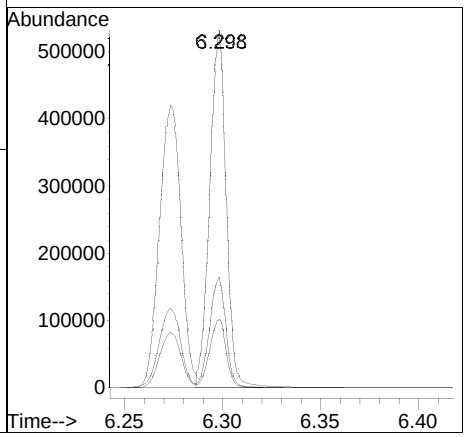


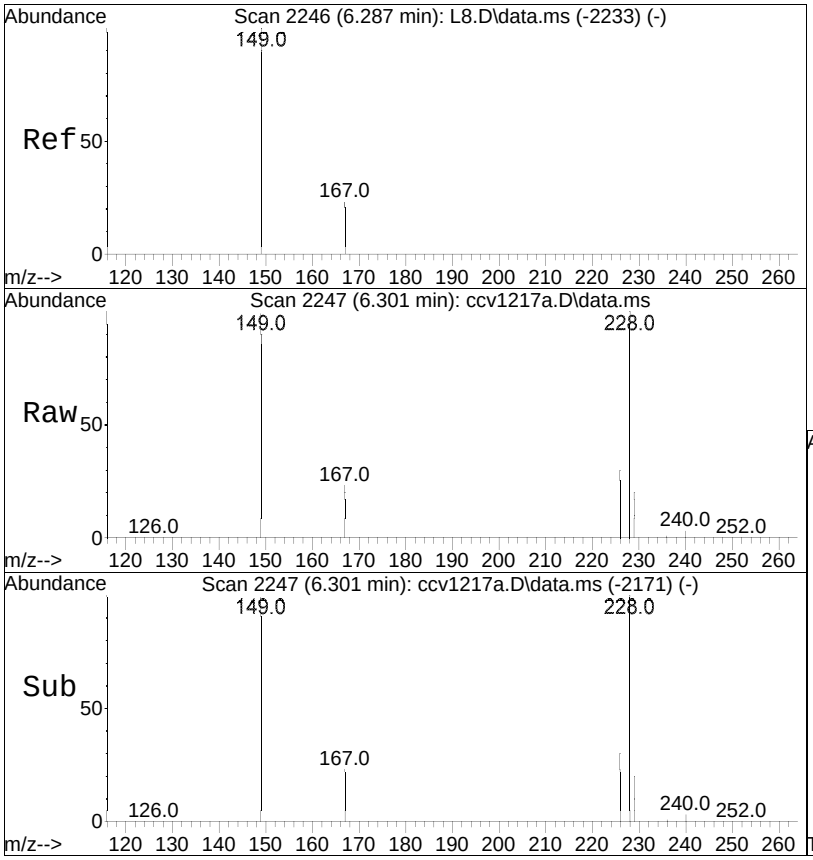


#34
Chrysene
Concen: 846.83 ng/ml
RT: 6.298 min Scan# 2245
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:228 Resp: 309846

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
227	0.0	0.0	0.0
229	19.4	15.4	23.2

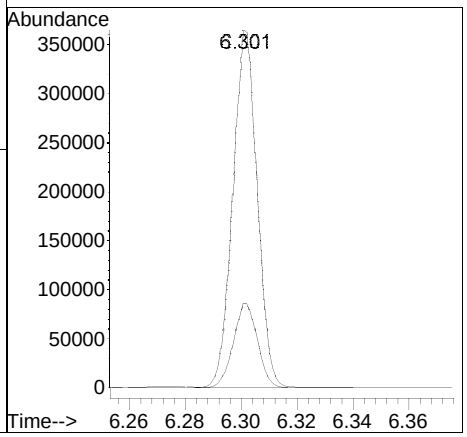


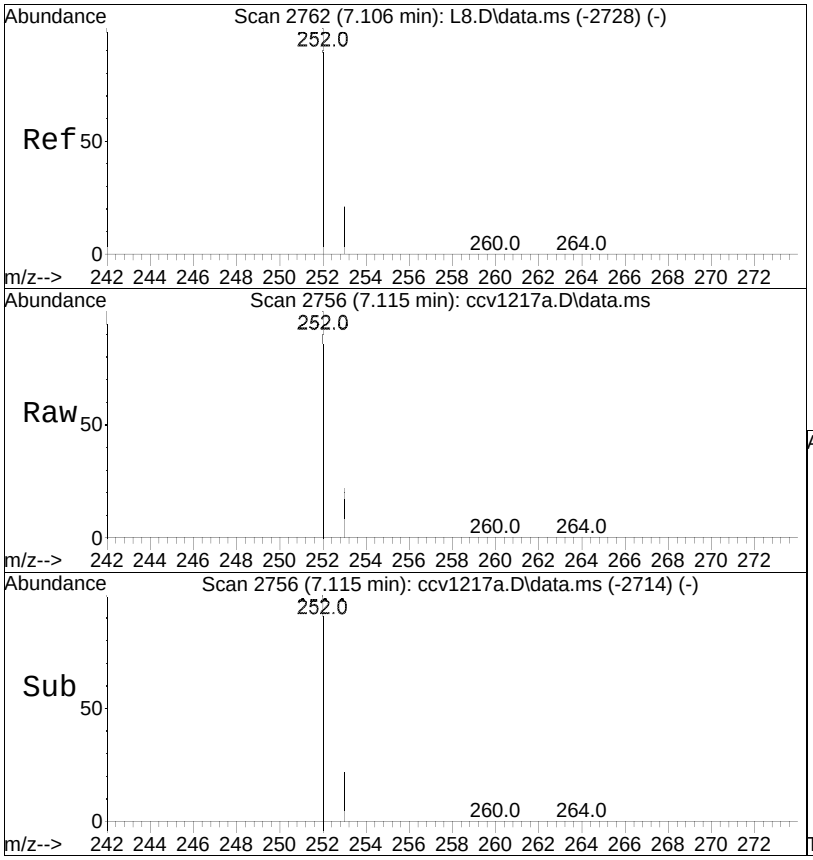


#35
Bis(2-ethylhexyl)phthalate
Concen: 1035.90 ng/ml
RT: 6.301 min Scan# 2247
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:149 Resp: 218570

Ion	Ratio	Lower	Upper
149	100		
167	23.5	20.6	31.0

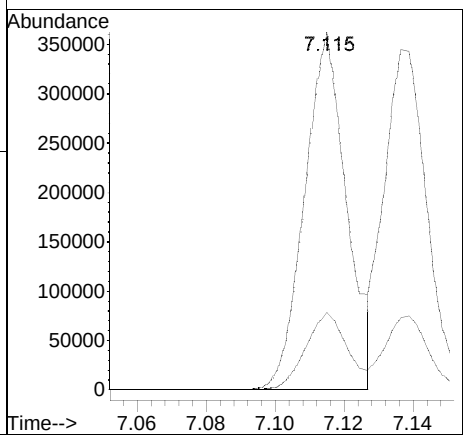


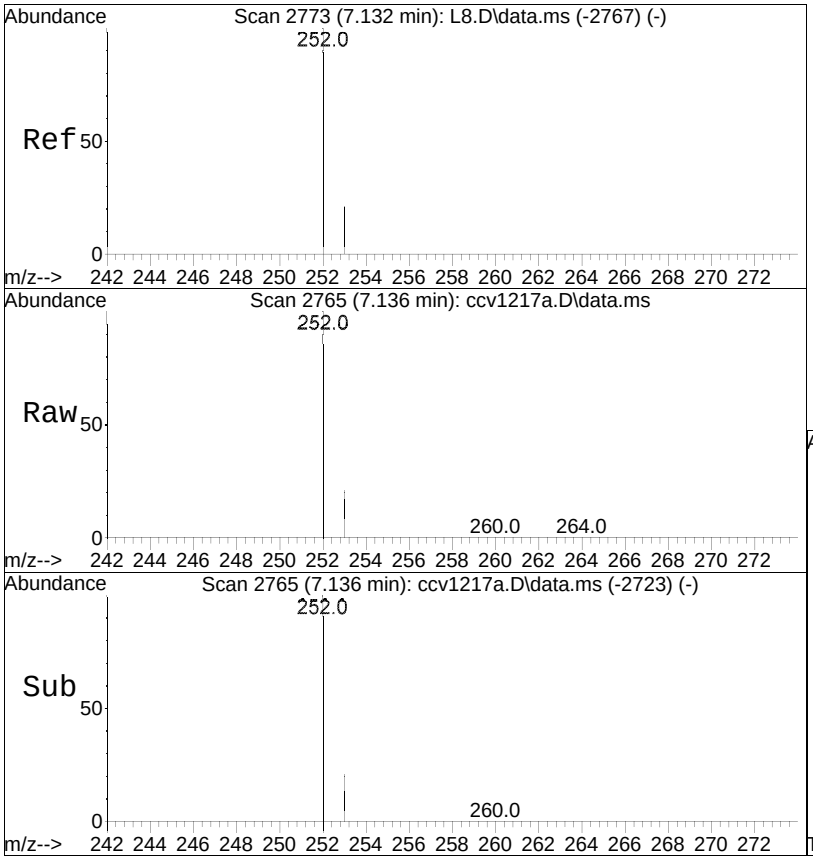


#37
Benzo[b]fluoranthene
Concen: 975.37 ng/ml
RT: 7.115 min Scan# 2756
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:252 Resp: 306561

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4

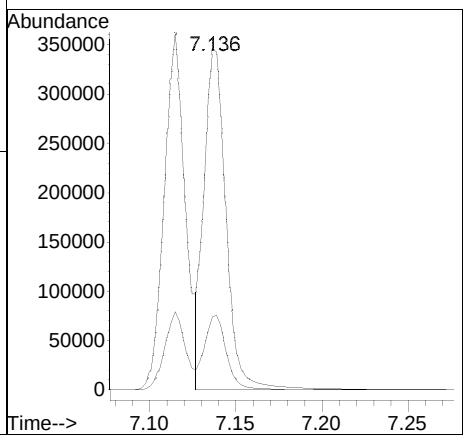


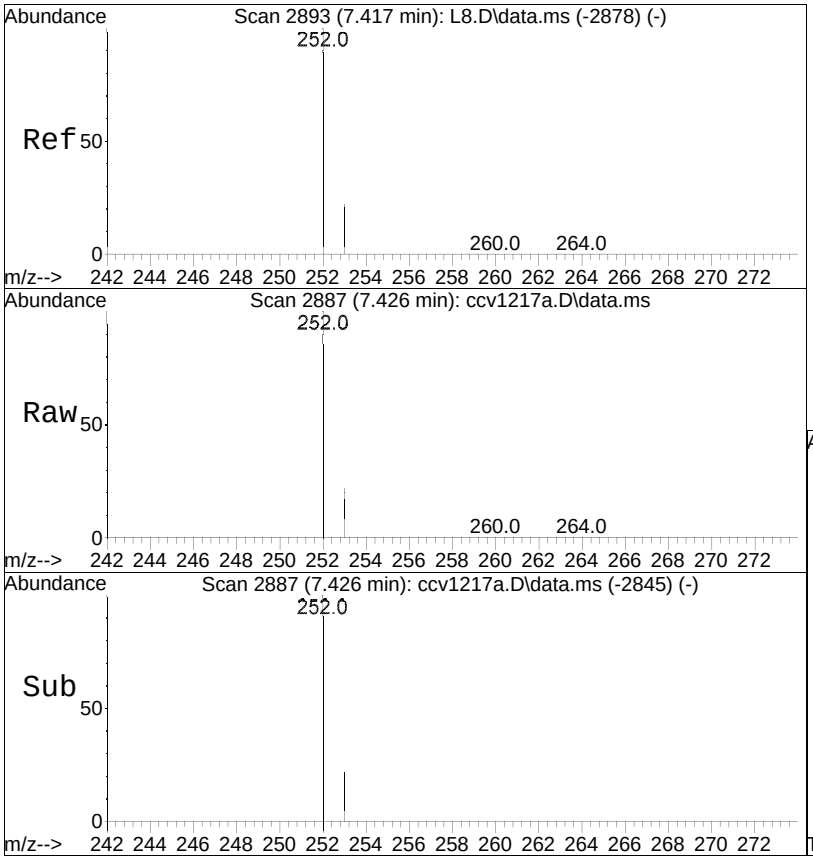


#38
Benzo[k]fluoranthene
Concen: 911.57 ng/ml
RT: 7.136 min Scan# 2765
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:252 Resp: 303775

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

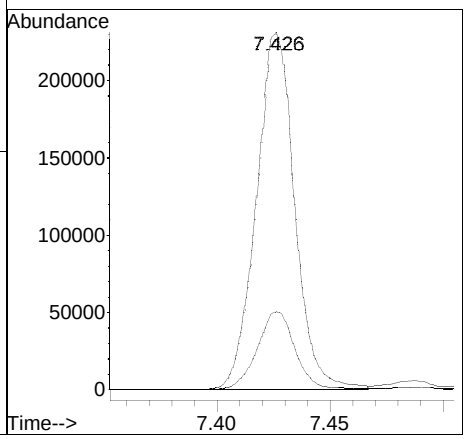


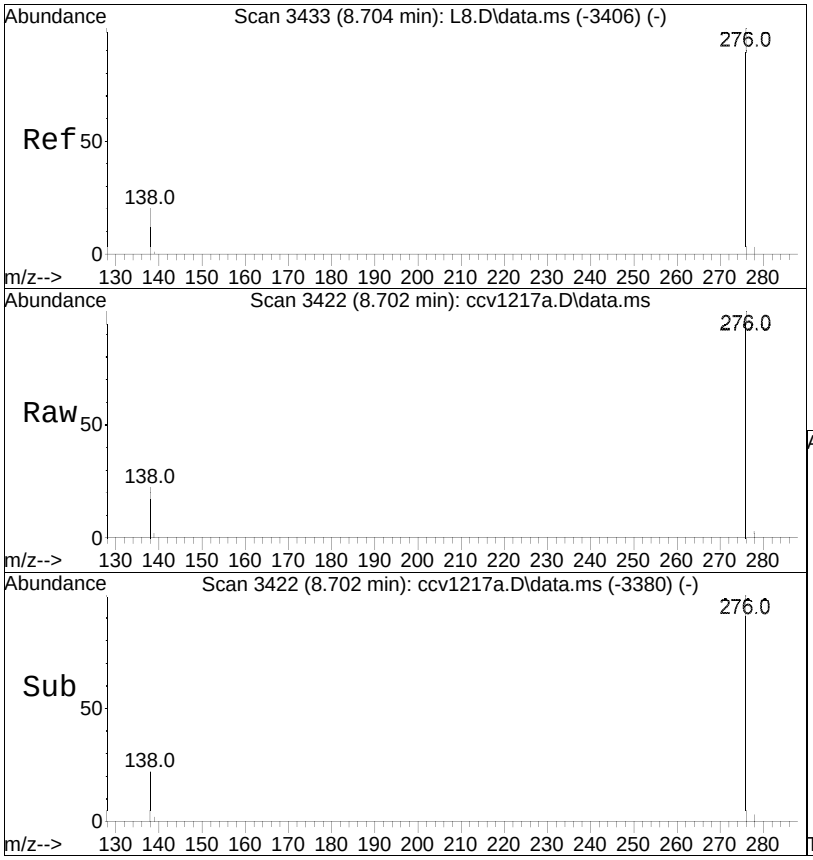


#39
Benzo[a]pyrene
Concen: 969.49 ng/ml
RT: 7.426 min Scan# 2887
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:252 Resp: 269205

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3

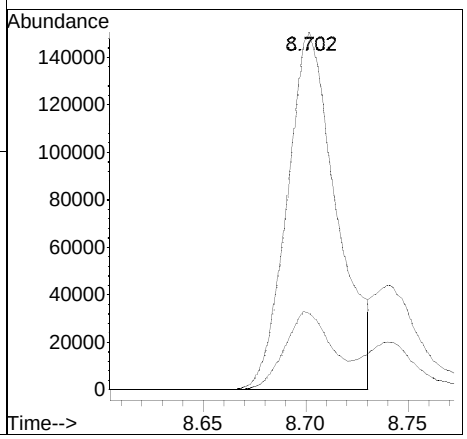


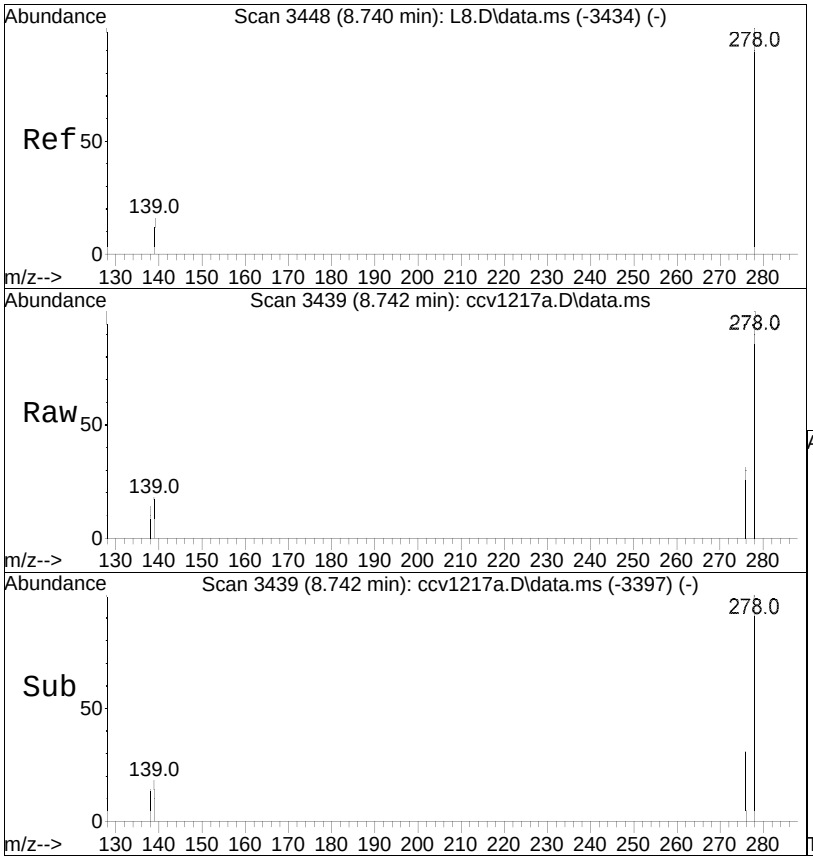


#40
Indeno[1,2,3-cd]pyrene
Concen: 967.93 ng/ml
RT: 8.702 min Scan# 3422
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:276 Resp: 250571

Ion	Ratio	Lower	Upper
276	100		
138	20.4	11.8	17.6#

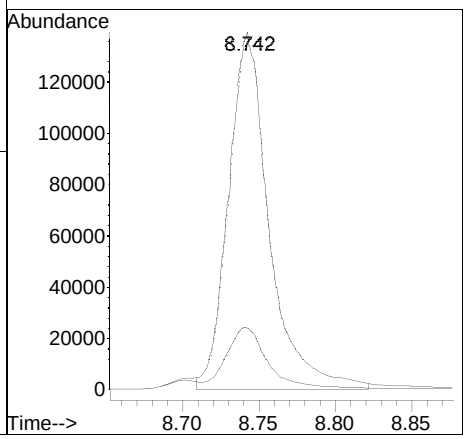


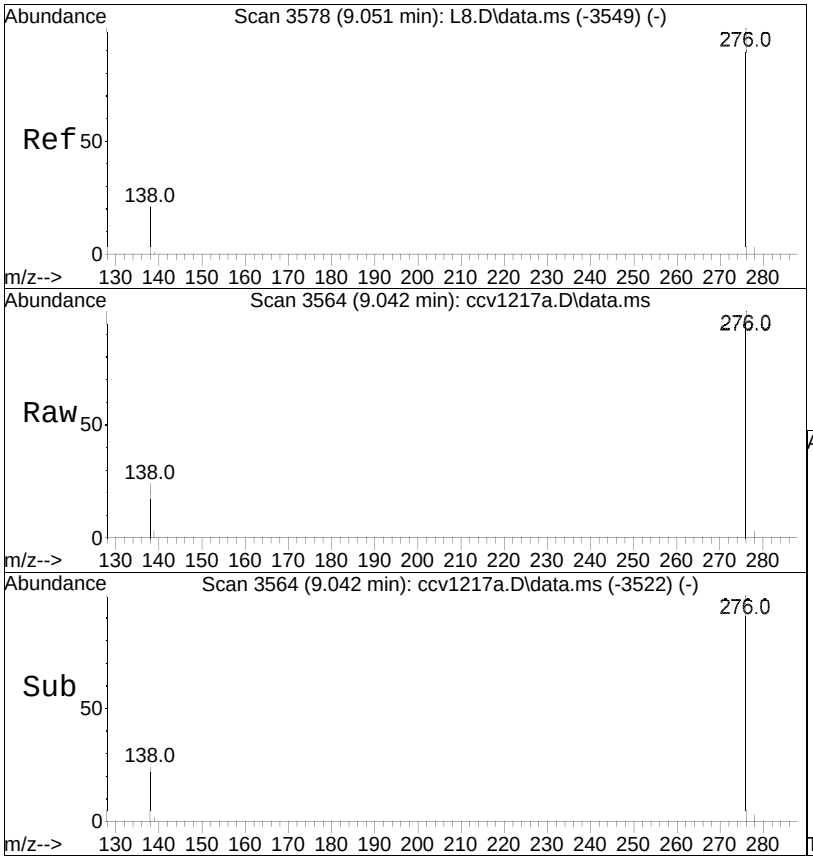


#41
Dibenzo[a,h]anthracene
Concen: 973.09 ng/ml M6
RT: 8.742 min Scan# 3439
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:278 Resp: 256431

Ion	Ratio	Lower	Upper
278	100		
139	17.5	9.8	14.8#

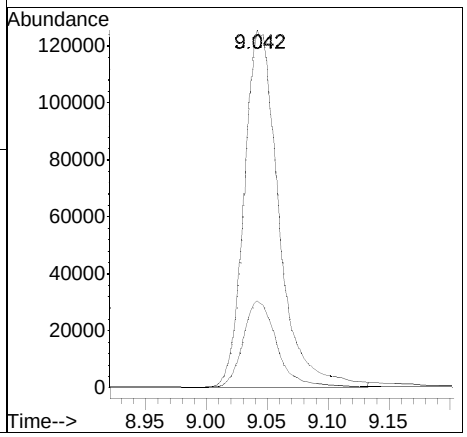




#42
Benzo[g,h,i]perylene
Concen: 901.97 ng/ml
RT: 9.042 min Scan# 3564
Delta R.T. 0.000 min
Lab File: ccv1217a.D
Acq: 17 Dec 2024 07:02 am

Tgt Ion:276 Resp: 244768

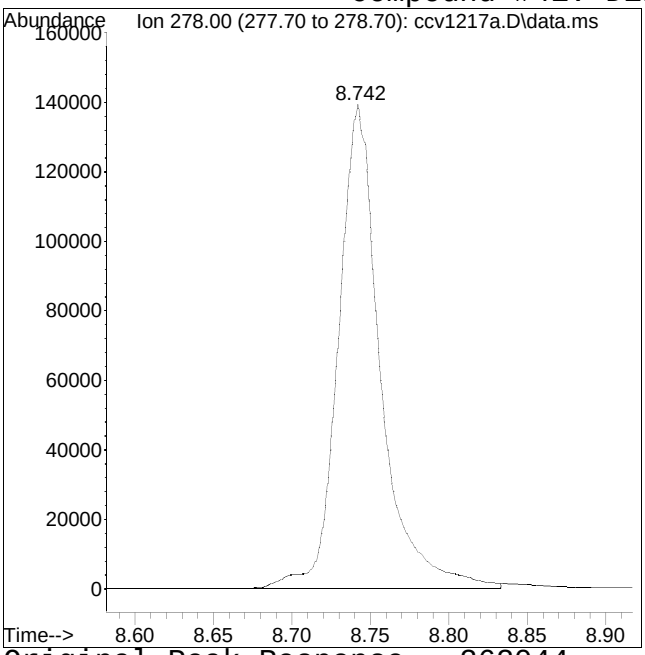
Ion	Ratio	Lower	Upper
276	100		
138	24.1	12.8	19.2#



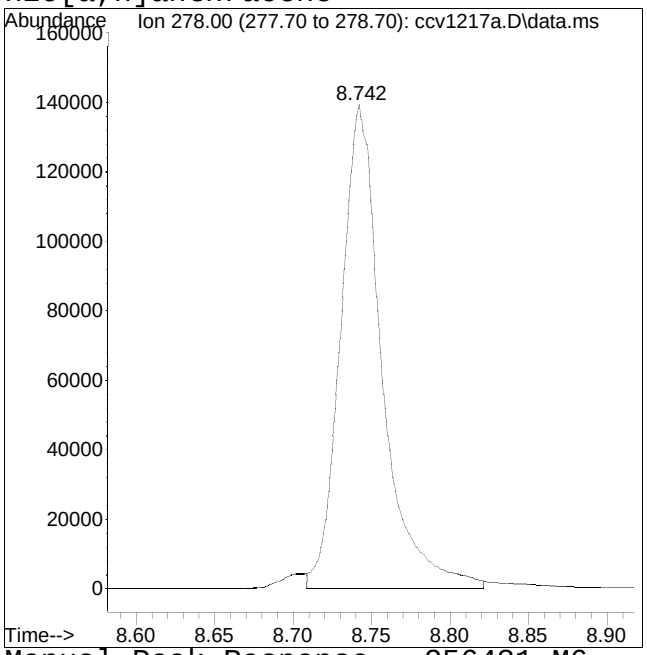
Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : ccv1217a.D
Date Inj'd : 12/17/2024 7:02 am
Sample : WG2010053-3,32,,ICV 10884
Method : SIM-RVT_241025sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 12/17/2024 7:27 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 262044



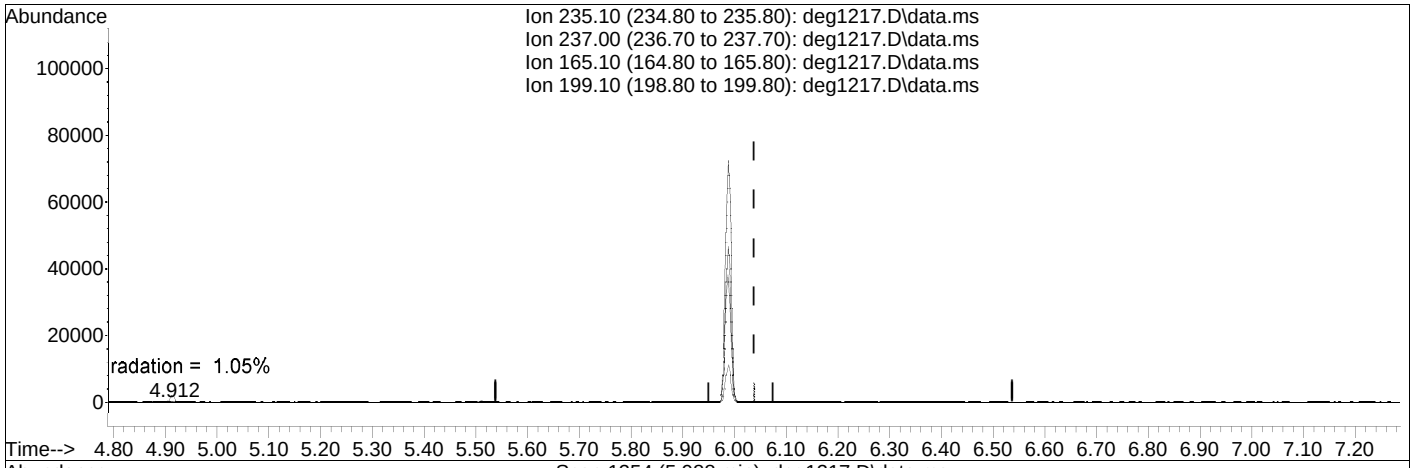
Manual Peak Response = 256431 M6

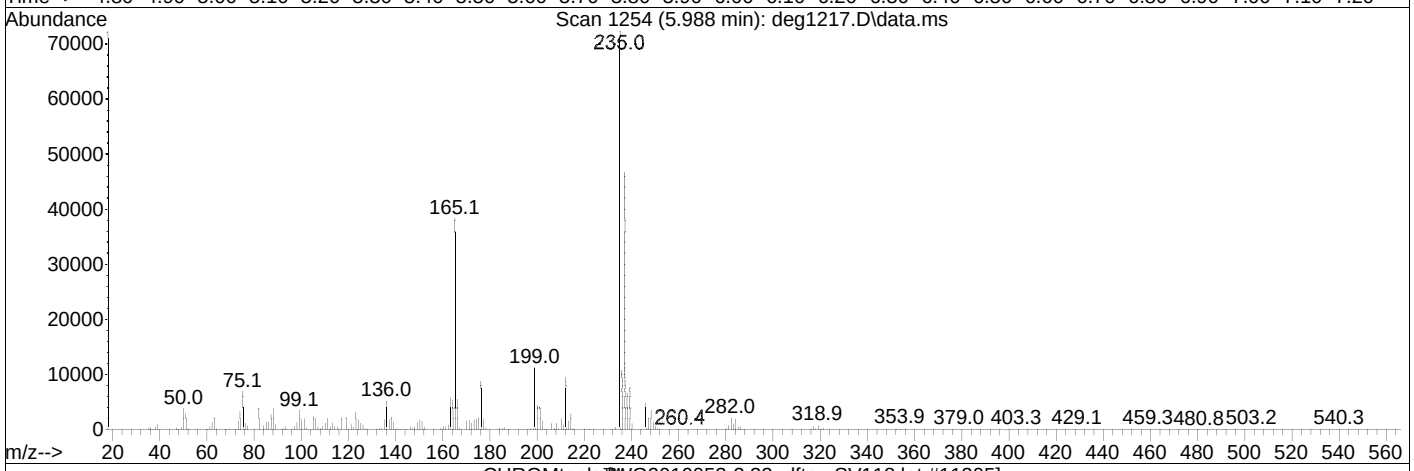
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : deg1217.D
Acq On : 17 Dec 2024 06:15 am
Operator : SV118:rp
Sample : WG2010053-2,32,,dftpp SV118 lot #11205
Misc : WG2010053,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:28:54 2024
Quant Method : I:\8270SIM\SV118\241217RVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG2010053-2,32,,dftpp SV118 lot #11205]

(6) ddt (T)

5.988min (-0.050) 8.67

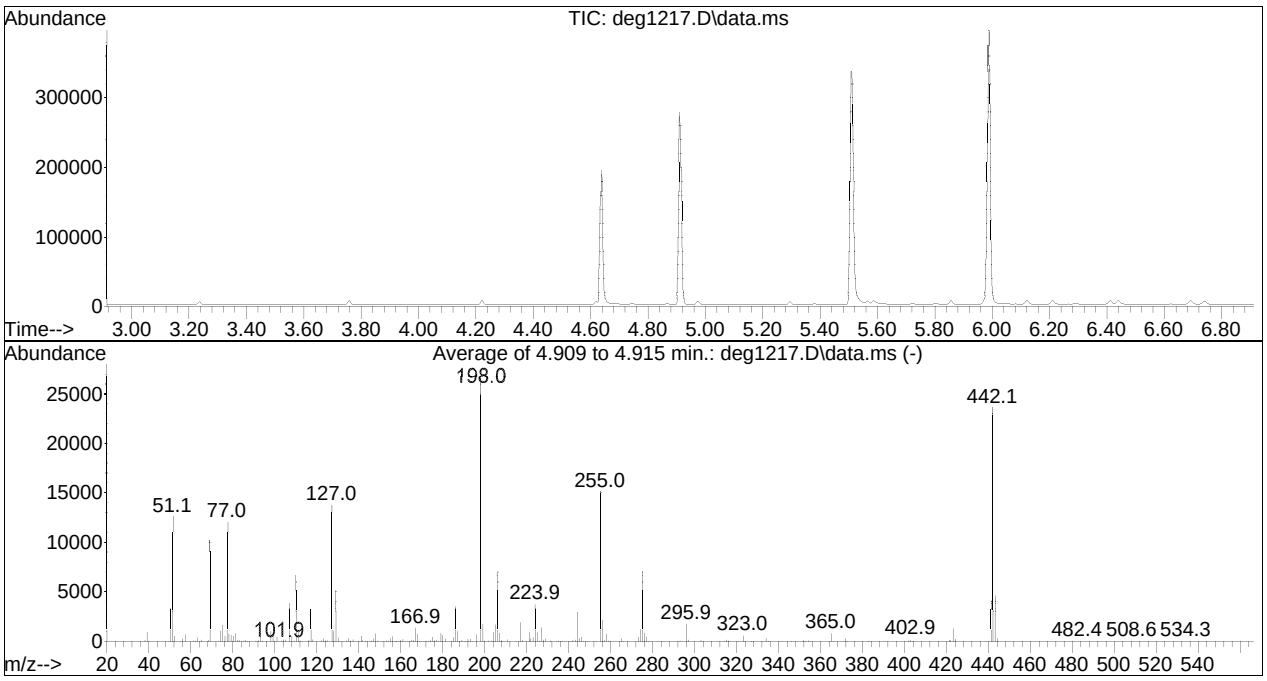
response 52880

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.25
165.10	53.30	52.54
199.10	17.10	15.47

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : deg1217.D
Acq On : 17 Dec 2024 06:15 am
Operator : SV118:rp
Sample : WG2010053-1,32,,dftpp SV118 lot #11205
Misc : WG2010053,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\241217RVT\SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Dec 17 07:27:36 2024



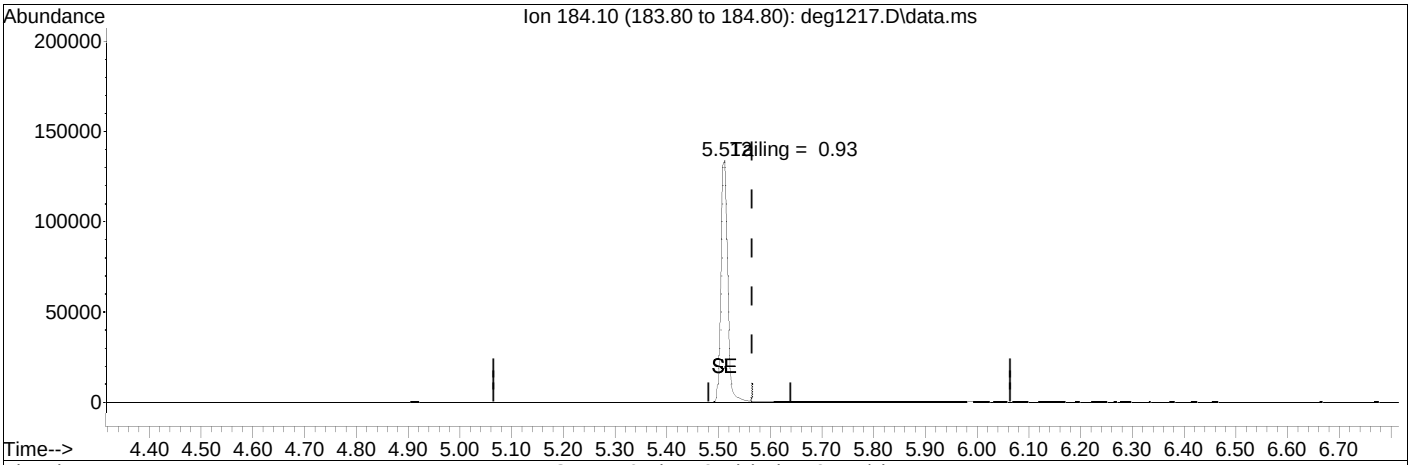
Spectrum Information: Average of 4.909 to 4.915 min.

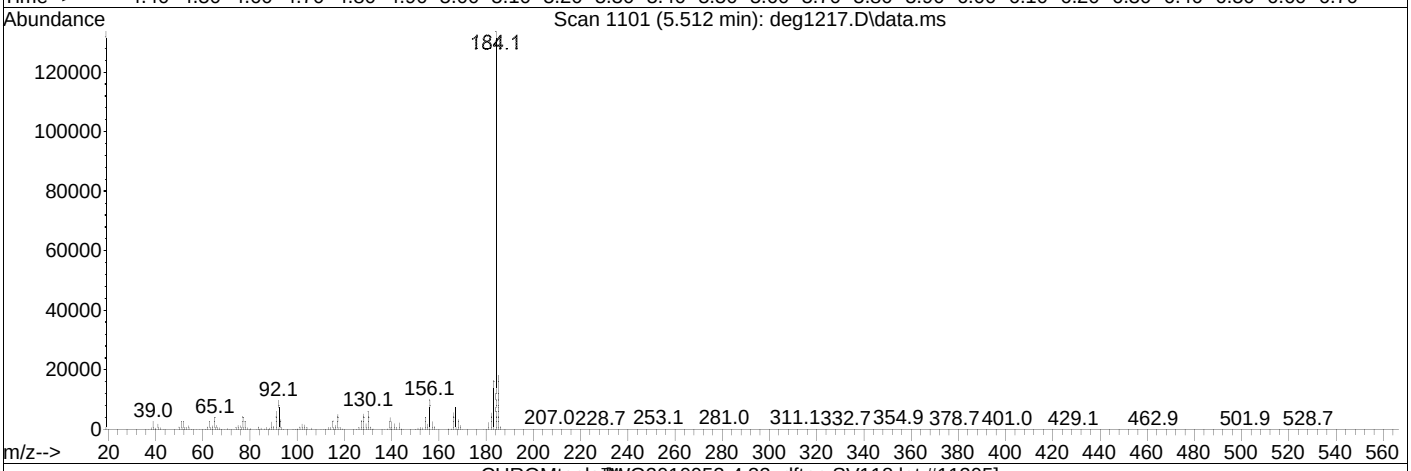
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	47.3	12602	PASS
68	69	0.00	2	2.0	202	PASS
69	69	100	100	100.0	10220	PASS
70	69	0.00	2	0.5	50	PASS
127	198	10	80	51.6	13754	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	26638	PASS
199	198	5	9	6.6	1767	PASS
275	198	10	60	26.3	7011	PASS
365	198	1	100	3.2	849	PASS
441	442	0.01	24	17.5	4119	PASS
442	198	50	100	88.6	23601	PASS
443	442	15	24	19.4	4571	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : deg1217.D
Acq On : 17 Dec 2024 06:15 am
Operator : SV118:rp
Sample : WG2010053-4,32,,dftpp SV118 lot #11205
Misc : WG2010053,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:28:54 2024
Quant Method : I:\8270SIM\SV118\241217RVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG2010053-4,32,,dftpp SV118 lot #11205]

(3) benzidine (T)

5.512min (-0.053) 11.07

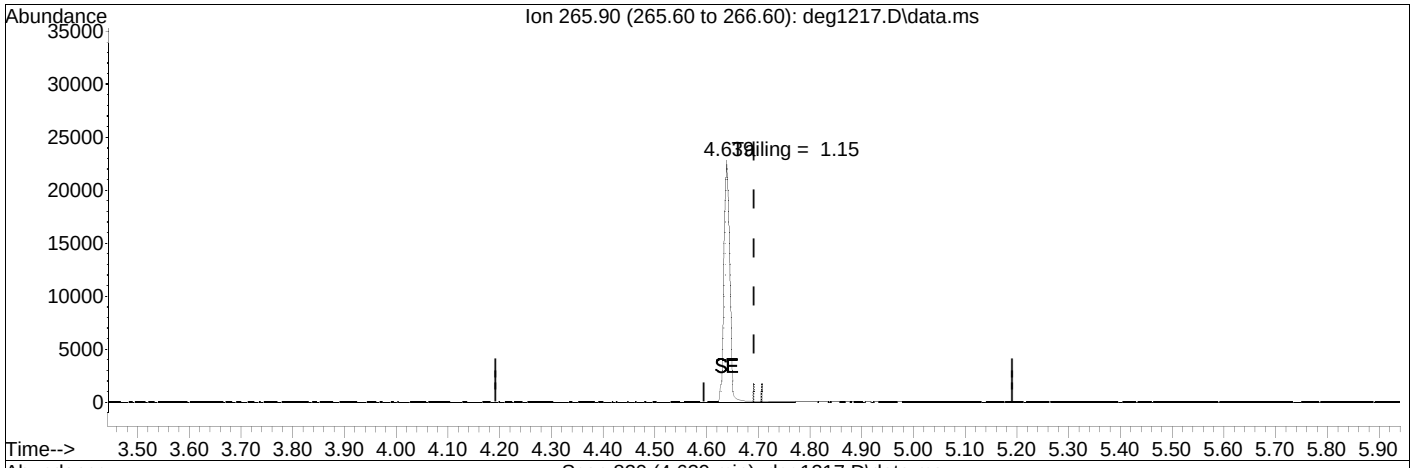
response 112693

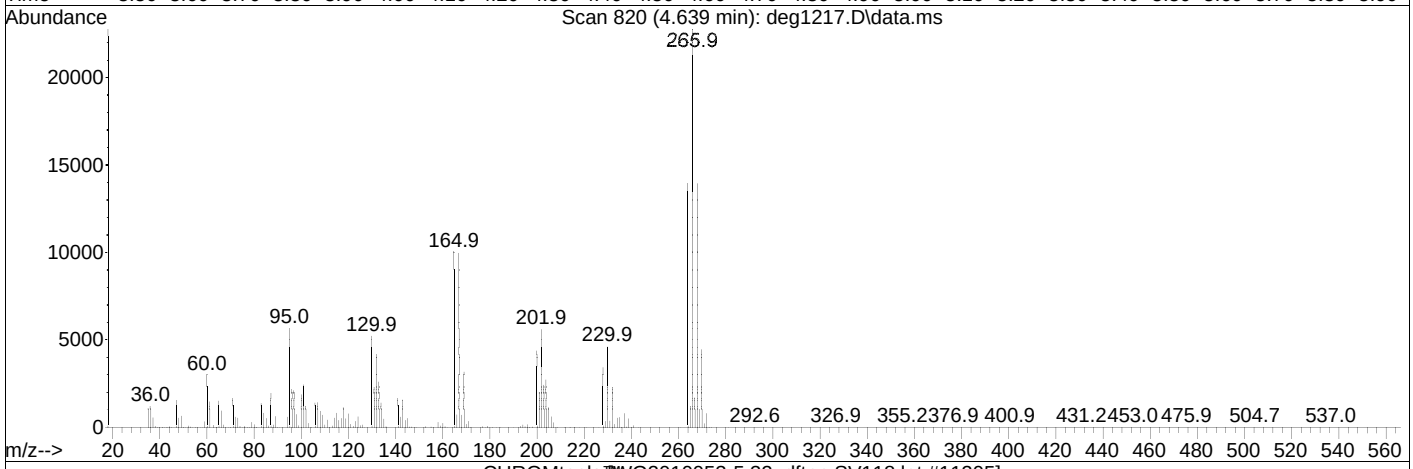
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : deg1217.D
Acq On : 17 Dec 2024 06:15 am
Operator : SV118:rp
Sample : WG2010053-5,32,,dftpp SV118 lot #11205
Misc : WG2010053,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:28:54 2024
Quant Method : I:\8270SIM\SV118\241217RVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG2010053-5,32,,dftpp SV118 lot #11205]

(1) pentachlorophenol (T)

4.639min (-0.053) 7.82

response 16416

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV118		Calibration Date	: 12/17/24 07:02	
Lab File ID	: CCV1217A		Init. Calib. Date(s)	: 10/25/24	10/25/24
Sample No	: WG2010053-3		Init. Calib. Times	: 16:43	19:21
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	58	0
2-Fluorophenol	1.131	1.126	.01	0.4	20	59	0
Phenol-d6	1.39	1.313	.01	5.5	20	55	0
Bis(2-chloroethyl)ether	1000	954.438	.01	4.6	20	55	0
n-nitrosodi-n-propylamine	0.879	0.864	.01	1.7	20	58	0
Hexachloroethane	0.502	0.513	.01	-2.2	20	60	0
Nitrobenzene-d5	0.897	1.225	.01	-36.6*	20	76	0
Naphthalene-d8	1	1	.01	0	20	62	0
Naphthalene	1.053	0.908	.01	13.8	20	55	0
Hexachlorobutadiene	0.187	0.17	.01	9.1	20	57	0
2-Methylnaphthalene	0.674	0.743	.01	-10.2	20	69	0
1-Methylnaphthalene	0.627	0.678	.01	-8.1	20	68	0
2-Fluorobiphenyl	0.769	0.844	.01	-9.8	20	70	0
2-Chloronaphthalene	0.677	0.718	.01	-6.1	20	66	0
2,6-Dinitrotoluene	0.092	0.163	.01	-77.2*	20	104	0
Acenaphthylene	1.002	1.109	.01	-10.7	20	67	0
Acenaphthene-d10	1	1	.01	0	20	77	0
Acenaphthene	1.308	1.095	.01	16.3	20	67	0
2,4-Dinitrotoluene	1000	1265.669	.01	-26.6*	20	106	0
Fluorene	1.393	1.223	.01	12.2	20	68	0
2,4,6-Tribromophenol	0.184	0.21	.01	-14.1	20	83	0
Phenanthrene-d10	1	1	.01	0	20	76	0
4,6-Dinitro-o-cresol	1000	1565.767	.01	-56.6*	20	130	0
Hexachlorobenzene	0.263	0.221	.01	16	20	65	0
Pentachlorophenol	0.098	0.089	.01	9.2	20	62	0
Phenanthrene	1.086	0.884	.01	18.6	20	65	0
Anthracene	1.066	0.926	.01	13.1	20	66	0
Fluoranthene	1.216	0.987	.01	18.8	20	63	0
Pyrene	1.291	1.042	.01	19.3	20	62	0
4-Terphenyl-d14	0.818	0.694	.01	15.2	20	67	0
Chrysene-d12	1	1	.01	0	20	72	0
Benzo[a]anthracene	0.392	0.301	.01	23.2*	20	60	0
3,3'-Dichlorobenzidine	0.418	0.425	.01	-1.7	20	64	0
Chrysene	1.207	1.022	.01	15.3	20	61	0
Bis(2-ethylhexyl)phthalate	0.696	0.721	.01	-3.6	20	70	0
Perylene-d12	1	1	.01	0	20	68	0
Benzo[b]fluoranthene	1.031	1.006	.01	2.4	20	64	0
Benzo[k]fluoranthene	1.093	0.997	.01	8.8	20	59	0
Benzo[a]pyrene	0.911	0.883	.01	3.1	20	61	0
Indeno[1,2,3-cd]pyrene	0.849	0.822	.01	3.2	20	58	0
Dibenzo[a,h]anthracene	0.865	0.841	.01	2.8	20	61	0
Benzo[g,h,i]perylene	0.89	0.803	.01	9.8	20	58	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/18/24 06:38	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010570-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	137	0
2-Fluorophenol	1.177	1.103	.05	6.3	20	131	0
Phenol-d6	1.447	1.406	.05	2.8	20	135	0
Bis(2-chloroethyl)ether	1000	863.398	.05	13.7	20	124	0
n-nitrosodi-n-propylamine	0.873	0.85	.05	2.6	20	134	0
Hexachloroethane	0.524	0.486	.05	7.3	20	129	0
Nitrobenzene-d5	1.277	1.259	.05	1.4	20	135	0
Naphthalene-d8	1	1	.05	0	20	142	0
Naphthalene	1	0.883	.05	11.7	20	132	0
Hexachlorobutadiene	0.189	0.165	.05	12.7	20	129	0
2-Methylnaphthalene	0.694	0.637	.05	8.2	20	136	0
1-Methylnaphthalene	0.639	0.578	.05	9.5	20	135	0
2-Fluorobiphenyl	0.806	0.689	.05	14.5	20	131	0
2-Chloronaphthalene	0.689	0.608	.05	11.8	20	134	0
2,6-Dinitrotoluene	0.156	0.148	.05	5.1	20	138	0
Acenaphthylene	0.994	0.931	.05	6.3	20	135	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.207	1.053	.05	12.8	20	133	0
2,4-Dinitrotoluene	0.336	0.342	.05	-1.8	20	140	0
Fluorene	1.306	1.211	.05	7.3	20	138	0
2,4,6-Tribromophenol	0.159	0.163	.05	-2.5	20	141	0
Phenanthrene-d10	1	1	.05	0	20	144	0
4,6-Dinitro-o-cresol	1000	885.239	.05	11.5	20	136	0
Hexachlorobenzene	0.211	0.192	.05	9	20	138	0
Pentachlorophenol	1000	1080.516	.05	-8.1	20	160	0
Phenanthrene	0.953	0.887	.05	6.9	20	134	0
Anthracene	0.986	0.902	.05	8.5	20	134	0
Fluoranthene	1.098	0.999	.05	9	20	138	0
Pyrene	1.132	1.027	.05	9.3	20	137	0
4-Terphenyl-d14	0.727	0.588	.05	19.1	20	122	0
Chrysene-d12	1	1	.05	0	20	133	0
Benzo[a]anthracene	1000	897.577	.05	10.2	20	122	0
3,3'-Dichlorobenzidine	0.432	0.421	.05	2.5	20	127	0
Chrysene	1.059	1.015	.05	4.2	20	119	0
Bis(2-ethylhexyl)phthalate	0.708	0.694	.05	2	20	128	0
Perylene-d12	1	1	.05	0	20	116	0
Benzo[b]fluoranthene	1.214	1.099	.05	9.5	20	109	0
Benzo[k]fluoranthene	1.091	1.038	.05	4.9	20	107	0
Benzo[a]pyrene	0.994	0.946	.05	4.8	20	107	0
Indeno[1,2,3-cd]pyrene	1.017	0.846	.05	16.8	20	95	0
Dibenzo[a,h]anthracene	0.955	0.785	.05	17.8	20	95	0
Benzo[g,h,i]perylene	0.987	0.775	.05	21.5*	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/18/24 06:44	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010584-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	132	0
2-Fluorophenol	1.075	0.983	.05	8.6	20	124	0
Phenol-d6	1.36	1.246	.05	8.4	20	126	0
Bis(2-chloroethyl)ether	1000	887.741	.05	11.2	20	125	0
n-nitrosodi-n-propylamine	0.775	0.749	.05	3.4	20	123	0
Hexachloroethane	0.503	0.461	.05	8.3	20	124	0
Nitrobenzene-d5	1.158	1.122	.05	3.1	20	124	0
Naphthalene-d8	1	1	.05	0	20	143	0
Naphthalene	1.074	0.966	.05	10.1	20	133	0
Hexachlorobutadiene	0.22	0.173	.05	21.4*	20	115	0
2-Methylnaphthalene	0.724	0.661	.05	8.7	20	132	0
1-Methylnaphthalene	0.677	0.614	.05	9.3	20	133	0
2-Fluorobiphenyl	0.89	0.744	.05	16.4	20	123	0
2-Chloronaphthalene	0.758	0.664	.05	12.4	20	126	0
2,6-Dinitrotoluene	0.173	0.166	.05	4	20	129	0
Acenaphthylene	1.076	1.009	.05	6.2	20	128	0
Acenaphthene-d10	1	1	.05	0	20	142	0
Acenaphthene	1.289	1.136	.05	11.9	20	131	0
2,4-Dinitrotoluene	0.376	0.378	.05	-0.5	20	134	0
Fluorene	1.423	1.233	.05	13.4	20	127	0
2,4,6-Tribromophenol	0.217	0.201	.05	7.4	20	115	0
Phenanthrene-d10	1	1	.05	0	20	140	0
4,6-Dinitro-o-cresol	1000	886.851	.05	11.3	20	125	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	114	0
Pentachlorophenol	1000	888.794	.05	11.1	20	113	0
Phenanthrene	1.105	0.959	.05	13.2	20	128	0
Anthracene	1.064	0.974	.05	8.5	20	127	0
Fluoranthene	1.27	1.12	.05	11.8	20	125	0
Pyrene	1.342	1.191	.05	11.3	20	126	0
4-Terphenyl-d14	0.922	0.735	.05	20.3*	20	117	0
Chrysene-d12	1	1	.05	0	20	138	0
Benzo[a]anthracene	1000	951.499	.05	4.9	20	125	0
3,3'-Dichlorobenzidine	0.448	0.453	.05	-1.1	20	129	0
Chrysene	1.132	1.084	.05	4.2	20	123	0
Bis(2-ethylhexyl)phthalate	0.648	0.774	.05	-19.4	20	155	0
Perylene-d12	1	1	.05	0	20	147	0
Benzo[b]fluoranthene	1.113	0.952	.05	14.5	20	123	0
Benzo[k]fluoranthene	1.017	0.952	.05	6.4	20	132	0
Benzo[a]pyrene	0.923	0.873	.05	5.4	20	130	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	136	0
Dibenzo[a,h]anthracene	0.913	0.917	.05	-0.4	20	139	0
Benzo[g,h,i]perylene	0.963	0.907	.05	5.8	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/19/24 07:05	
Lab File ID	: CCV1219		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011166-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	68	0
2-Fluorophenol	1.177	1.098	.05	6.7	20	65	0
Phenol-d6	1.447	1.362	.05	5.9	20	65	0
Bis(2-chloroethyl)ether	1000	914.932	.05	8.5	20	65	0
n-nitrosodi-n-propylamine	0.873	0.809	.05	7.3	20	63	0
Hexachloroethane	0.524	0.478	.05	8.8	20	63	0
Nitrobenzene-d5	1.277	1.203	.05	5.8	20	64	0
Naphthalene-d8	1	1	.05	0	20	69	0
Naphthalene	1	0.887	.05	11.3	20	65	0
Hexachlorobutadiene	0.189	0.166	.05	12.2	20	63	0
2-Methylnaphthalene	0.694	0.625	.05	9.9	20	65	0
1-Methylnaphthalene	0.639	0.573	.05	10.3	20	66	0
2-Fluorobiphenyl	0.806	0.688	.05	14.6	20	64	0
2-Chloronaphthalene	0.689	0.597	.05	13.4	20	64	0
2,6-Dinitrotoluene	0.156	0.146	.05	6.4	20	67	0
Acenaphthylene	0.994	0.922	.05	7.2	20	65	0
Acenaphthene-d10	1	1	.05	0	20	71	0
Acenaphthene	1.207	1.049	.05	13.1	20	65	0
2,4-Dinitrotoluene	0.336	0.346	.05	-3	20	69	0
Fluorene	1.306	1.197	.05	8.3	20	67	0
2,4,6-Tribromophenol	0.159	0.161	.05	-1.3	20	68	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	807.375	.05	19.3	20	65	0
Hexachlorobenzene	0.211	0.185	.05	12.3	20	69	0
Pentachlorophenol	1000	904.308	.05	9.6	20	69	0
Phenanthrene	0.953	0.878	.05	7.9	20	69	0
Anthracene	0.986	0.895	.05	9.2	20	69	0
Fluoranthene	1.098	1.09	.05	0.7	20	79	0
Pyrene	1.132	1.15	.05	-1.6	20	80	0
4-Terphenyl-d14	0.727	0.674	.05	7.3	20	73	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	894.406	.05	10.6	20	81	0
3,3'-Dichlorobenzidine	0.432	0.439	.05	-1.6	20	88	0
Chrysene	1.059	1.038	.05	2	20	81	0
Bis(2-ethylhexyl)phthalate	0.708	0.699	.05	1.3	20	87	0
Perylene-d12	1	1	.05	0	20	90	0
Benzo[b]fluoranthene	1.214	1.12	.05	7.7	20	86	0
Benzo[k]fluoranthene	1.091	1	.05	8.3	20	79	0
Benzo[a]pyrene	0.994	0.959	.05	3.5	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.959	.05	5.7	20	83	0
Dibenzo[a,h]anthracene	0.955	0.886	.05	7.2	20	82	0
Benzo[g,h,i]perylene	0.987	0.891	.05	9.7	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/19/24 19:33	
Lab File ID	: CCV1219N		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011538-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	122	0
2-Fluorophenol	1.075	1.008	.05	6.2	20	117	0
Phenol-d6	1.36	1.294	.05	4.9	20	121	0
Bis(2-chloroethyl)ether	1000	913.34	.05	8.7	20	119	0
n-nitrosodi-n-propylamine	0.775	0.767	.05	1	20	116	0
Hexachloroethane	0.503	0.469	.05	6.8	20	117	0
Nitrobenzene-d5	1.158	1.156	.05	0.2	20	118	0
Naphthalene-d8	1	1	.05	0	20	133	0
Naphthalene	1.074	0.985	.05	8.3	20	126	0
Hexachlorobutadiene	0.22	0.175	.05	20.5*	20	108	0
2-Methylnaphthalene	0.724	0.672	.05	7.2	20	125	0
1-Methylnaphthalene	0.677	0.622	.05	8.1	20	125	0
2-Fluorobiphenyl	0.89	0.752	.05	15.5	20	115	0
2-Chloronaphthalene	0.758	0.668	.05	11.9	20	118	0
2,6-Dinitrotoluene	0.173	0.172	.05	0.6	20	124	0
Acenaphthylene	1.076	1.029	.05	4.4	20	122	0
Acenaphthene-d10	1	1	.05	0	20	131	0
Acenaphthene	1.289	1.161	.05	9.9	20	124	0
2,4-Dinitrotoluene	0.376	0.391	.05	-4	20	128	0
Fluorene	1.423	1.264	.05	11.2	20	120	0
2,4,6-Tribromophenol	0.217	0.208	.05	4.1	20	111	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	905.541	.05	9.4	20	122	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	109	0
Pentachlorophenol	1000	844.068	.05	15.6	20	102	0
Phenanthrene	1.105	0.966	.05	12.6	20	123	0
Anthracene	1.064	0.986	.05	7.3	20	123	0
Fluoranthene	1.27	1.155	.05	9.1	20	124	0
Pyrene	1.342	1.237	.05	7.8	20	125	0
4-Terphenyl-d14	0.922	0.765	.05	17	20	116	0
Chrysene-d12	1	1	.05	0	20	137	0
Benzo[a]anthracene	1000	986.27	.05	1.4	20	129	0
3,3'-Dichlorobenzidine	0.448	0.457	.05	-2	20	129	0
Chrysene	1.132	1.079	.05	4.7	20	122	0
Bis(2-ethylhexyl)phthalate	0.648	0.778	.05	-20.1*	20	155	0
Perylene-d12	1	1	.05	0	20	144	0
Benzo[b]fluoranthene	1.113	0.982	.05	11.8	20	125	0
Benzo[k]fluoranthene	1.017	0.975	.05	4.1	20	133	0
Benzo[a]pyrene	0.923	0.896	.05	2.9	20	132	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	134	0
Dibenzo[a,h]anthracene	0.913	0.908	.05	0.5	20	135	0
Benzo[g,h,i]perylene	0.963	0.893	.05	7.3	20	130	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:38 am
Operator : SV120:jjw
Sample : WG2010570-3,32,,ICV 10884 (1130a)
Misc : WG2010570,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 06:53:59 2024
Quant Method : I:\8270SIM\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:40 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	0.00
2	s	2-Fluorophenol	1.177	1.103	6.3	131	0.00
3	s	Phenol-d6	1.447	1.406	2.8	135	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	863.398	13.7	124	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.850	2.6	134	0.00
6	t	Hexachloroethane	0.524	0.486	7.3	129	0.00
7	s	Nitrobenzene-d5	1.277	1.259	1.4	135	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	142	0.00
9	t	Naphthalene	1.000	0.883	11.7	132	0.00
10	t	Hexachlorobutadiene	0.189	0.165	12.7	129	0.00
11	t	2-Methylnaphthalene	0.694	0.637	8.2	136	0.00
12	t	1-Methylnaphthalene	0.639	0.578	9.5	135	0.00
13	s	2-Fluorobiphenyl	0.806	0.689	14.5	131	0.00
14	t	2-Chloronaphthalene	0.689	0.608	11.8	134	0.00
15	t	2,6-Dinitrotoluene	0.156	0.148	5.1	138	0.00
16	t	Acenaphthylene	0.994	0.931	6.3	135	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	144	0.00
18	t	Acenaphthene	1.207	1.053	12.8	133	0.00
19	t	2,4-Dinitrotoluene	0.336	0.342	-1.8	140	0.00
20	t	Fluorene	1.306	1.211	7.3	138	0.00
21	s	2,4,6-Tribromophenol	0.159	0.163	-2.5	141	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	144	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	885.239	11.5	136	0.00
24	t	Hexachlorobenzene	0.211	0.192	9.0	138	0.00
25	t	Pentachlorophenol	*1000.000	1080.516	-8.1	160	0.00
26	t	Phenanthrene	0.953	0.887	6.9	134	0.00
27	t	Anthracene	0.986	0.902	8.5	134	0.00
28	t	Fluoranthene	1.098	0.999	9.0	138	0.00
29	t	Pyrene	1.132	1.027	9.3	137	0.00
30	s	4-Terphenyl-d14	0.727	0.588	19.1	122	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	133	0.00
32	t	Benzo[a]anthracene	*1000.000	897.577	10.2	122	0.00
33	t	3,3'-Dichlorobenzidine	0.432	0.421	2.5	127	0.00
34	t	Chrysene	1.059	1.015	4.2	119	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.694	2.0	128	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:38 am
Operator : SV120:jjw
Sample : WG2010570-3,32,,ICV 10884 (1130a)
Misc : WG2010570,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 06:53:59 2024
Quant Method : I:\8270SIM\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:40 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	116	0.00
37	t	Benzo[b]fluoranthene	1.214	1.099	9.5	109	0.00
38	t	Benzo[k]fluoranthene	1.091	1.038	4.9	107	0.00
39	t	Benzo[a]pyrene	0.994	0.946	4.8	107	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	0.846	16.8	95	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.785	17.8	95	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.775	21.5#	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:38 am
Operator : SV120:jjw
Sample : WG2010570-3,32,,ICV 10884 (1130a)
Misc : WG2010570,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 06:53:59 2024
Quant Method : I:\8270SIM\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:40 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	370292	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.986	136	1496096	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.965	164	879728	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.803	188	1683767	4000.000	ng/ml	0.00
31) Chrysene-d12	6.381	240	1305684	4000.000	ng/ml	0.00
36) Perylene-d12	7.660	264	1115455	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.767	112	102150	937.203	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.86%			
3) Phenol-d6	2.138	99	130190	972.111	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.61%			
7) Nitrobenzene-d5	2.605	82	116549	985.782	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.58%			
13) 2-Fluorobiphenyl	3.581	172	257876	855.178	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.52%			
21) 2,4,6-Tribromophenol	4.408	330	35924	1025.804	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.29%			
30) 4-Terphenyl-d14	5.717	244	247656	808.900	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 40.45%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.193	93	98717	863.398	ng/ml	96
5) n-nitrosodi-n-propylamine	2.524	70	78658	973.835	ng/ml	99
6) Hexachloroethane	2.585	117	45028	928.847	ng/ml	99
9) Naphthalene	2.999	128	330249	883.037	ng/ml	100
10) Hexachlorobutadiene	3.067	225	61895	873.423	ng/ml	100
11) 2-Methylnaphthalene	3.378	142	238089	916.978	ng/ml	100
12) 1-Methylnaphthalene	3.431	142	216219	905.355	ng/ml	100
14) 2-Chloronaphthalene	3.648	162	227244	881.655	ng/ml	99
15) 2,6-Dinitrotoluene	3.840	165	55420	949.946	ng/ml	99
16) Acenaphthylene	3.882	152	348373	937.460	ng/ml	100
18) Acenaphthene	3.982	153	231665	872.430	ng/ml	91
19) 2,4-Dinitrotoluene	4.068	165	75293	1018.389	ng/ml	99
20) Fluorene	4.270	166	266411	927.207	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.297	198	43957	885.239	ng/ml	97
24) Hexachlorobenzene	4.589	284	80964	910.324	ng/ml	99
25) Pentachlorophenol	4.697	266	52926	1080.516	ng/ml	100
26) Phenanthrene	4.817	178	373505	930.861	ng/ml	100
27) Anthracene	4.844	178	379518	914.198	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:38 am
Operator : SV120:jjw
Sample : WG2010570-3,32,,ICV 10884 (1130a)
Misc : WG2010570,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 06:53:59 2024
Quant Method : I:\8270SIM\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:40 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.495	202	420391	909.649	ng/ml	99
29) Pyrene	5.627	202	432493	907.555	ng/ml	100
32) Benzo[a]anthracene	6.369	228	360378	897.577	ng/ml	98
33) 3,3'-Dichlorobenzidine	6.351	252	137542	974.520	ng/ml	99
34) Chrysene	6.396	228	331159	958.039	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.388	149	226469	980.169	ng/ml	100
37) Benzo[b]fluoranthene	7.257	252	306539	905.674	ng/ml	100
38) Benzo[k]fluoranthene	7.282	252	289371	951.021	ng/ml	100
39) Benzo[a]pyrene	7.586	252	263779	951.476	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.943	276	235910	832.195	ng/ml	99
41) Dibenzo[a,h]anthracene	8.978	278	218854M6	821.792	ng/ml	
42) Benzo[g,h,i]perylene	9.300	276	216052	784.725	ng/ml	97

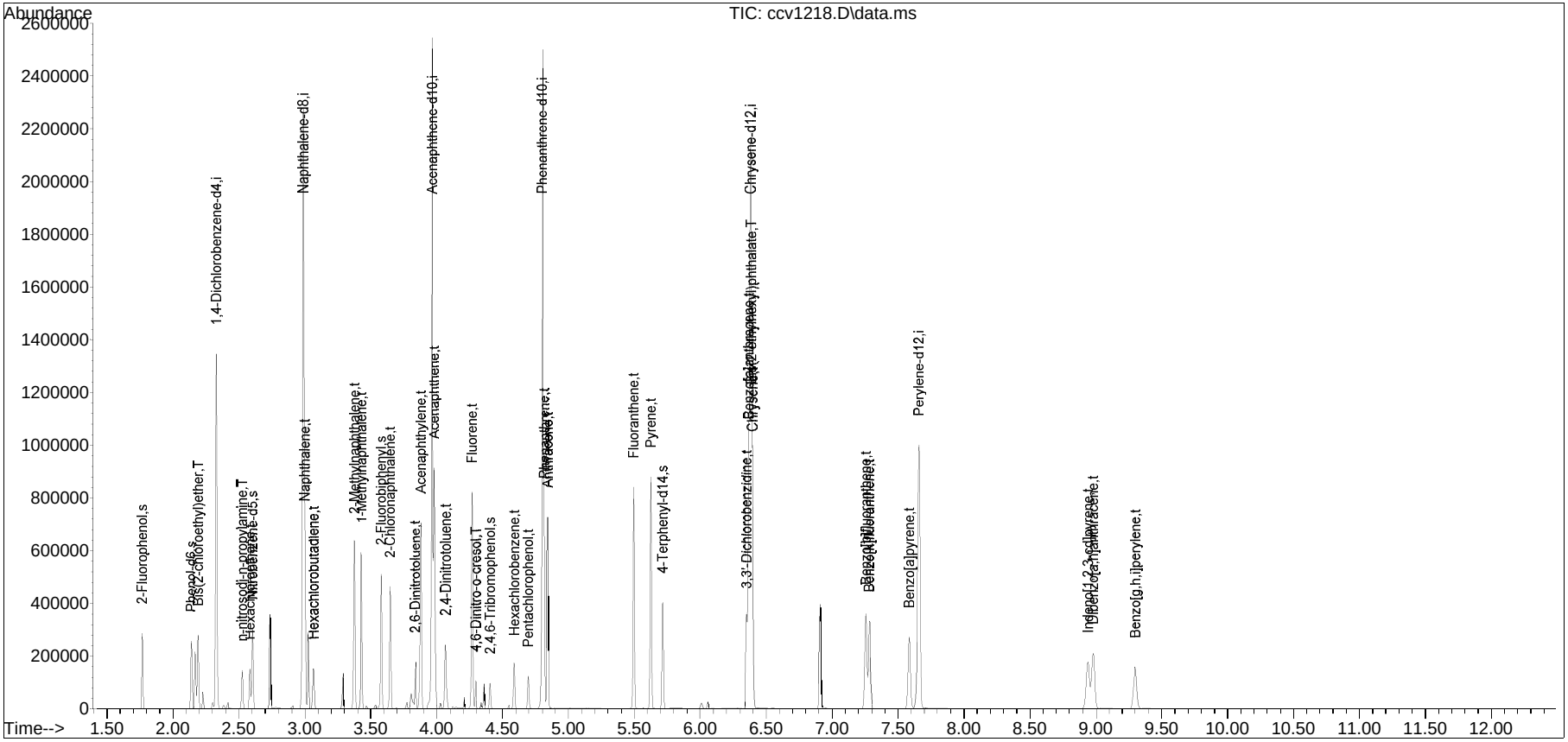
(#) = qualifier out of range (m) = manual integration (+) = signals summed

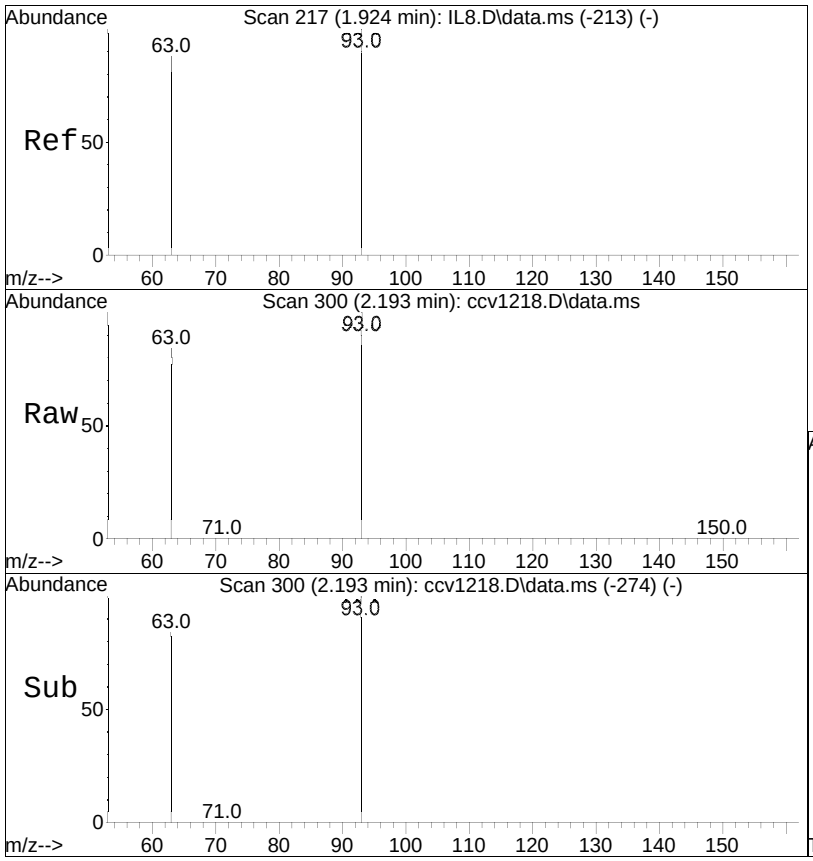
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:38 am
Operator : SV120:jjw
Sample : WG2010570-3,32,,ICV 10884 (1130a)
Misc : WG2010570,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 06:53:59 2024
Quant Method : I:\8270SIM\sv120\241218RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 06:55:40 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

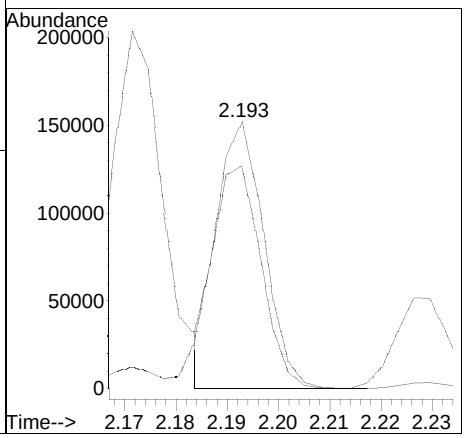


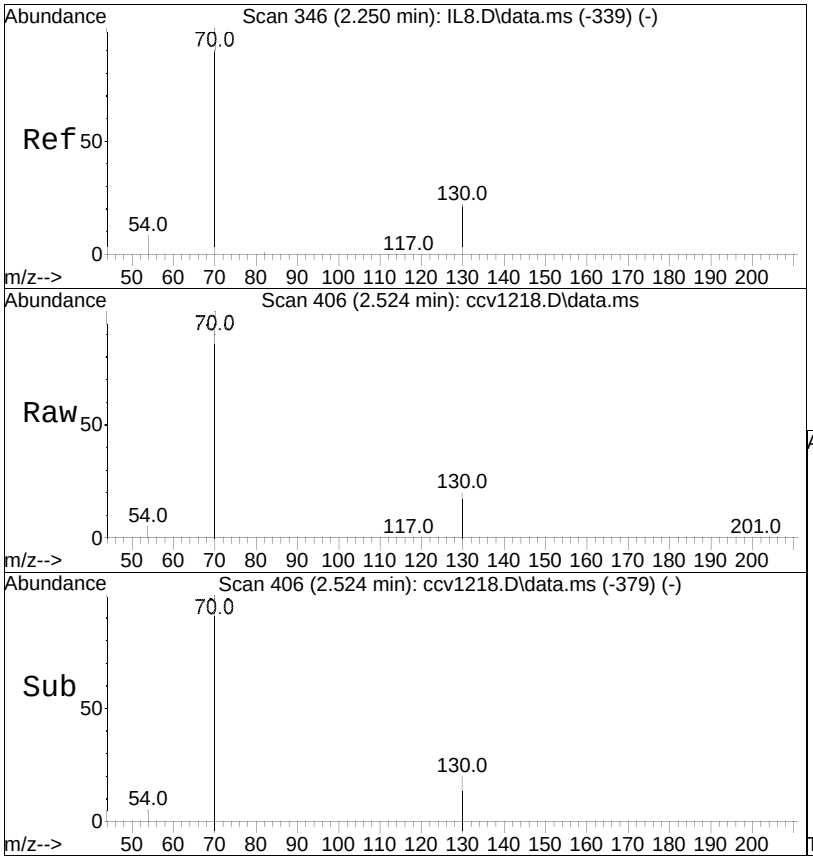


#4
Bis(2-chloroethyl)ether
Concen: 863.40 ng/ml
RT: 2.193 min Scan# 300
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion: 93 Resp: 98717

Ion	Ratio	Lower	Upper
93	100		
63	89.8	68.7	103.1

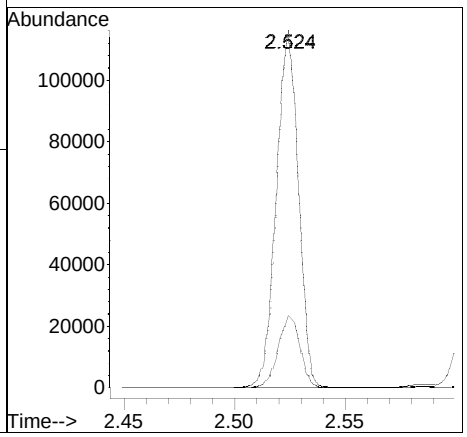


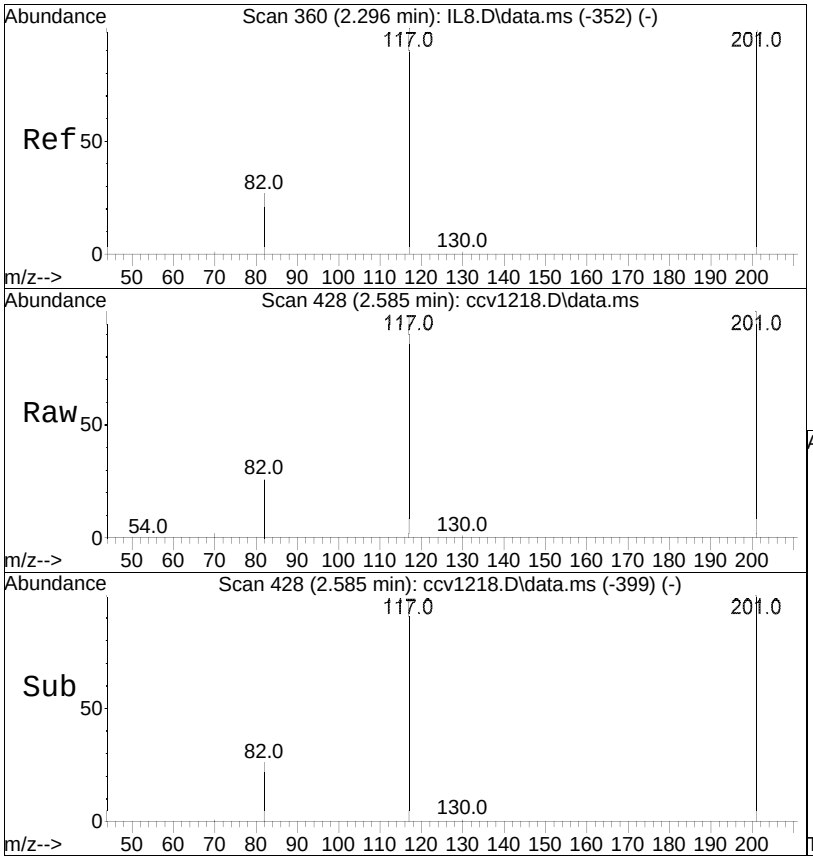


#5
n-nitrosodi-n-propylamine
Concen: 973.84 ng/ml
RT: 2.524 min Scan# 406
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion: 70 Resp: 78658

Ion	Ratio	Lower	Upper
70	100		
130	20.3	16.6	24.8

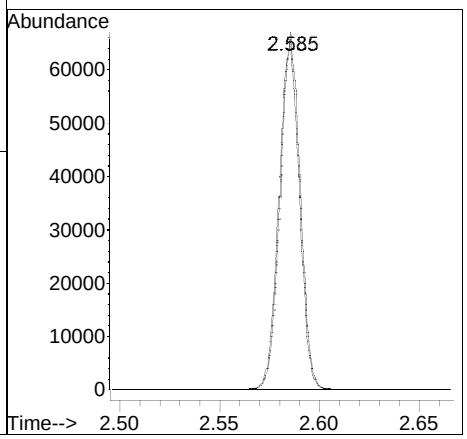


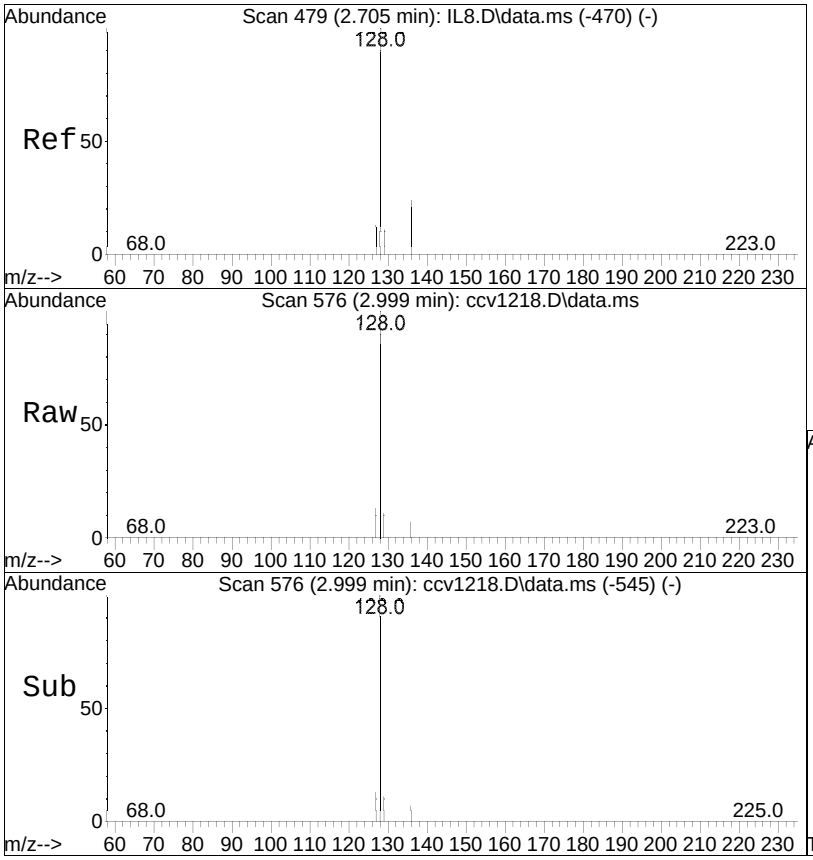


#6
Hexachloroethane
Concen: 928.85 ng/ml
RT: 2.585 min Scan# 428
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:117 Resp: 45028

Ion	Ratio	Lower	Upper
117	100		
201	101.1	82.0	123.0

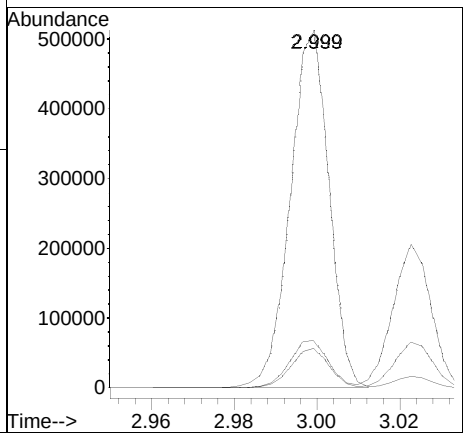


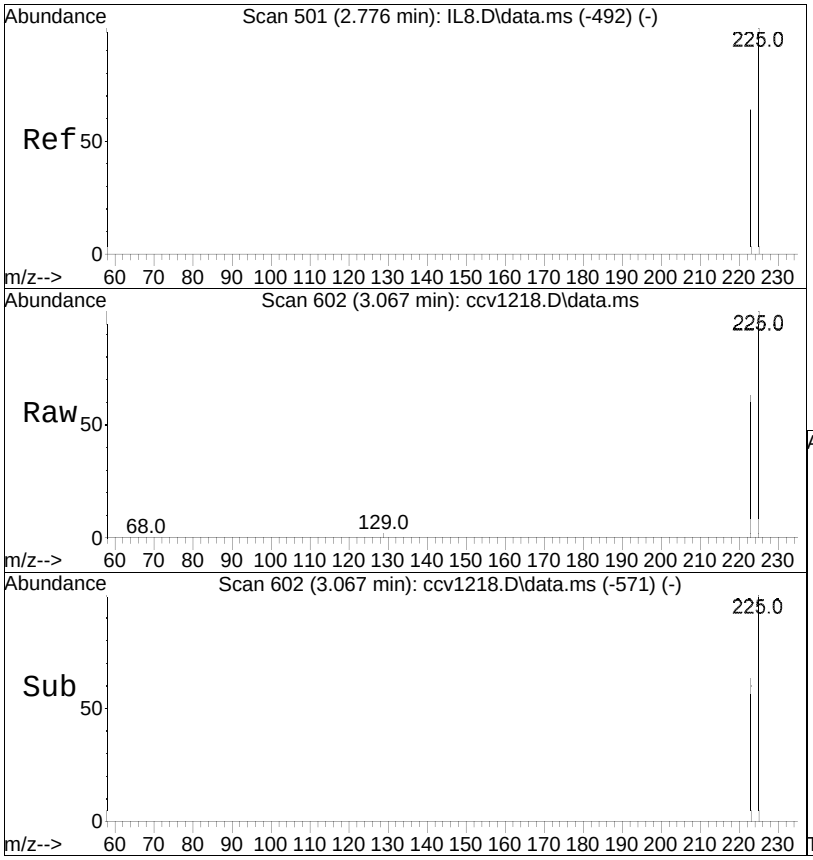


#9
Naphthalene
Concen: 883.04 ng/ml
RT: 2.999 min Scan# 576
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:128 Resp: 330249

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.7	10.7	16.1

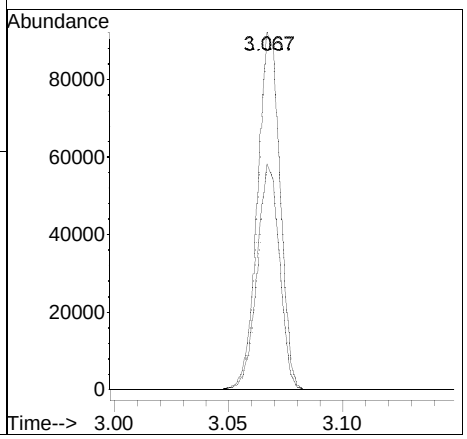


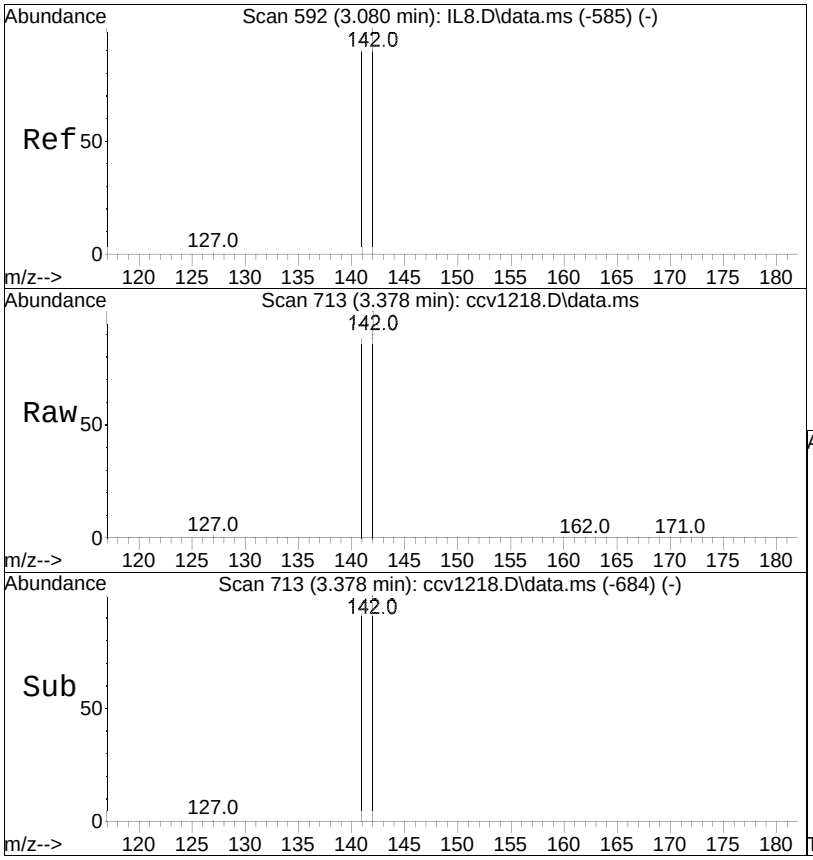


#10
Hexachlorobutadiene
Concen: 873.42 ng/ml
RT: 3.067 min Scan# 602
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:225 Resp: 61895

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7

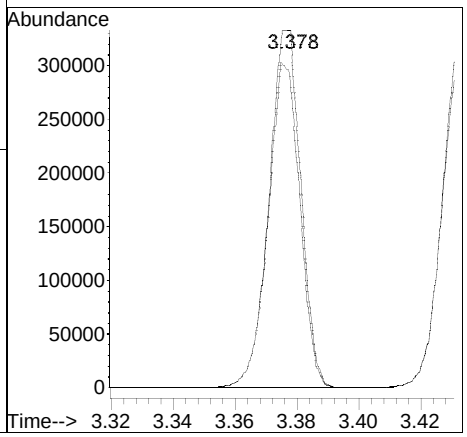


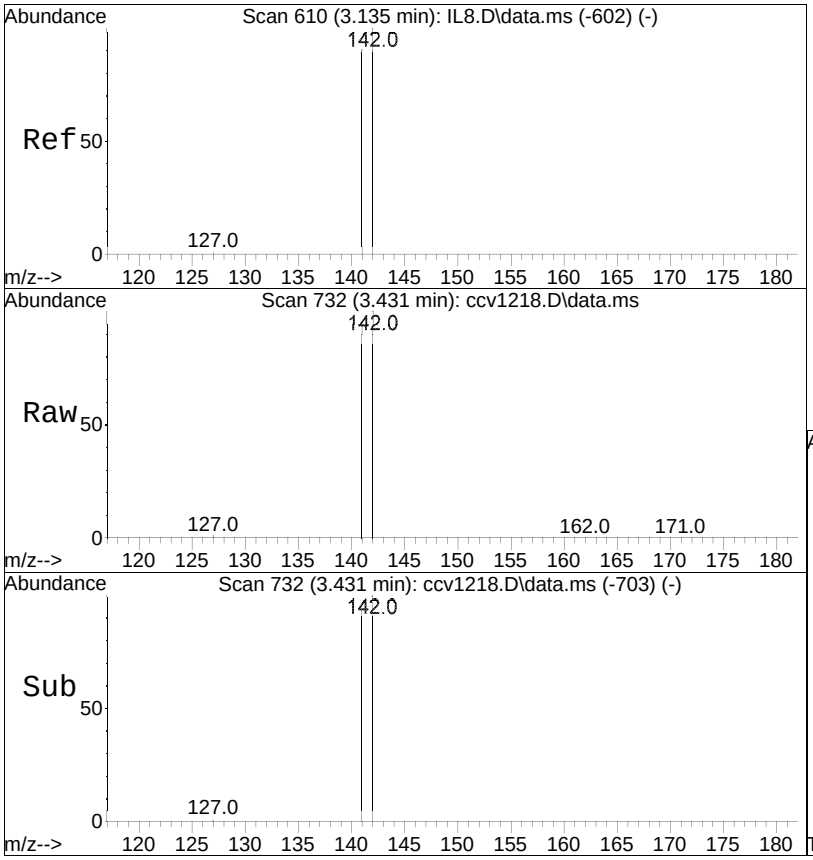


#11
2-Methylnaphthalene
Concen: 916.98 ng/ml
RT: 3.378 min Scan# 713
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:142 Resp: 238089

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2

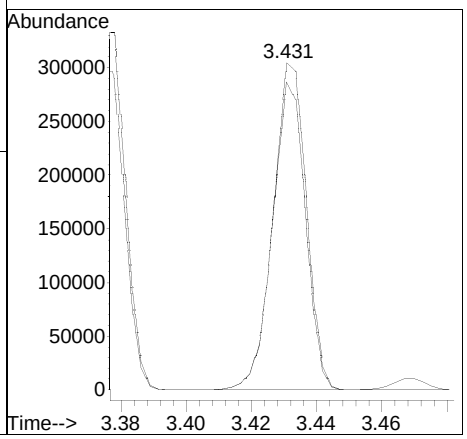


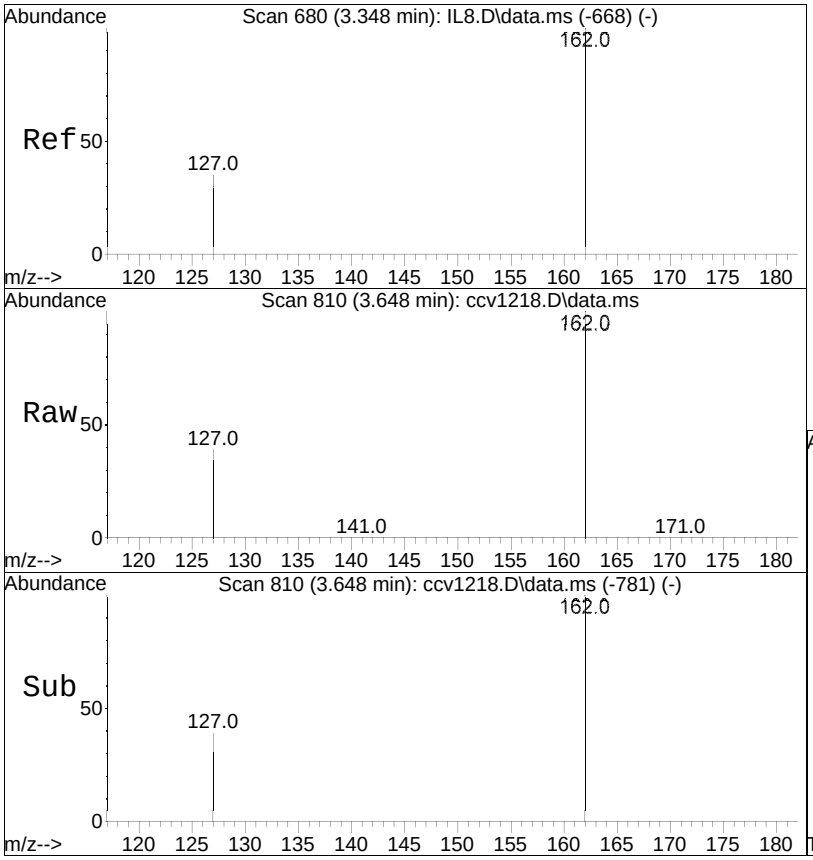


#12
1-Methylnaphthalene
Concen: 905.36 ng/ml
RT: 3.431 min Scan# 732
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:142 Resp: 216219

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.6	112.0

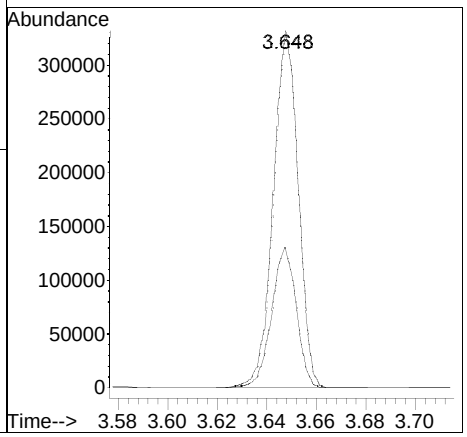


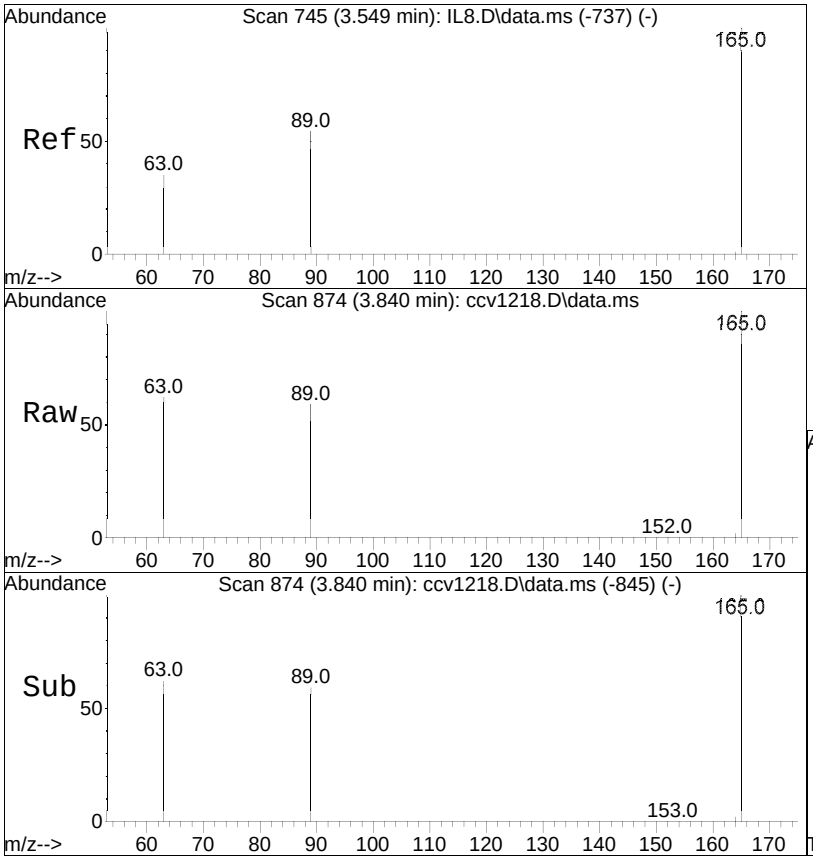


#14
2-Chloronaphthalene
Concen: 881.66 ng/ml
RT: 3.648 min Scan# 810
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:162 Resp: 227244

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.0	46.4

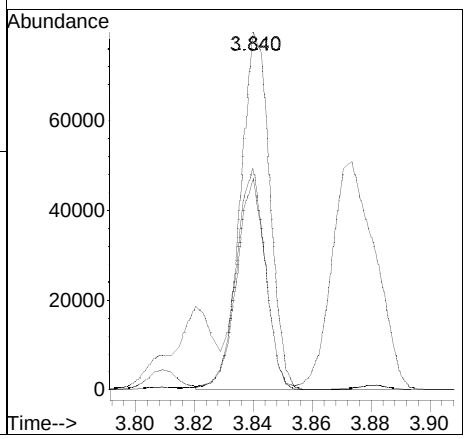


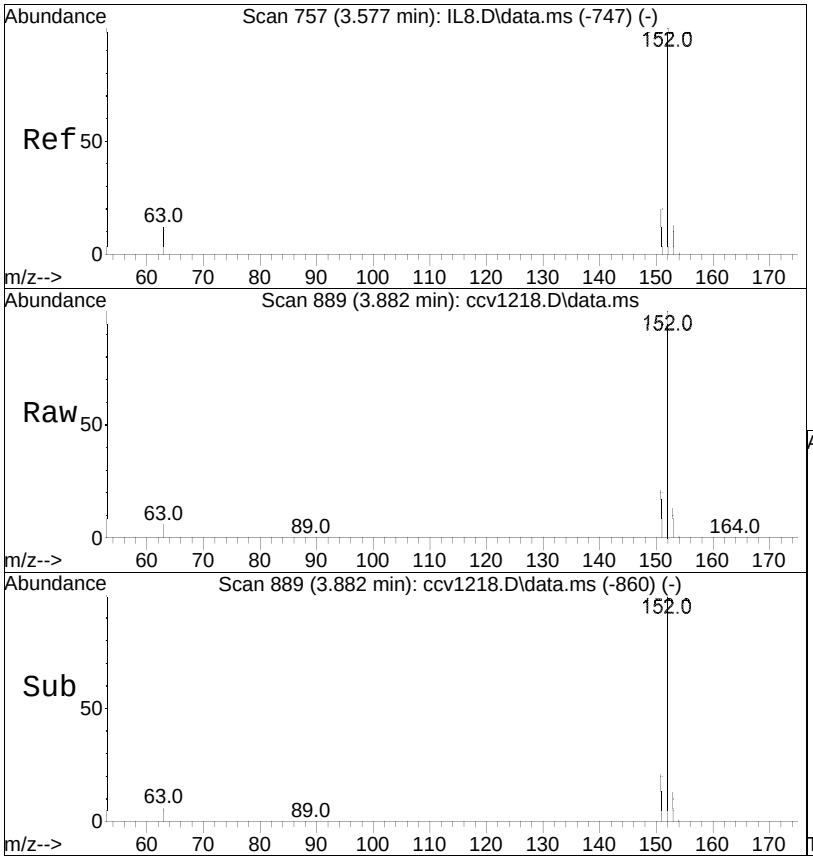


#15
2,6-Dinitrotoluene
Concen: 949.95 ng/ml
RT: 3.840 min Scan# 874
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:165 Resp: 55420

Ion	Ratio	Lower	Upper
165	100		
89	58.0	45.8	68.8
63	59.2	46.3	69.5

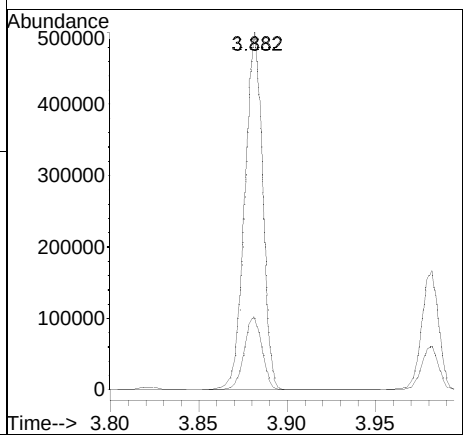


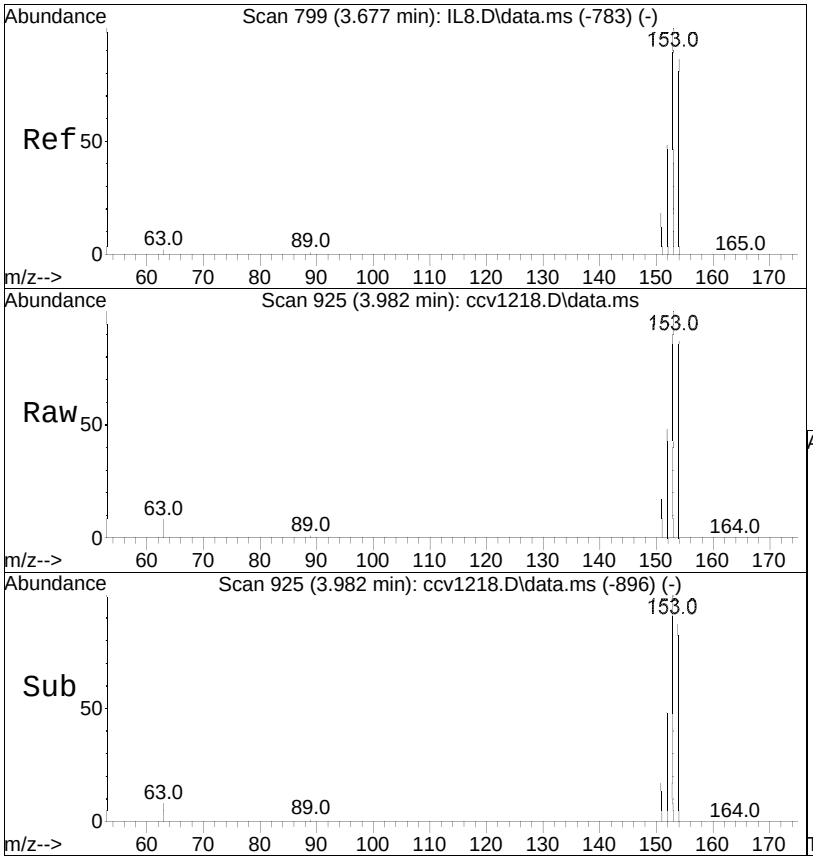


#16
Acenaphthylene
Concen: 937.46 ng/ml
RT: 3.882 min Scan# 889
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:152 Resp: 348373

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6

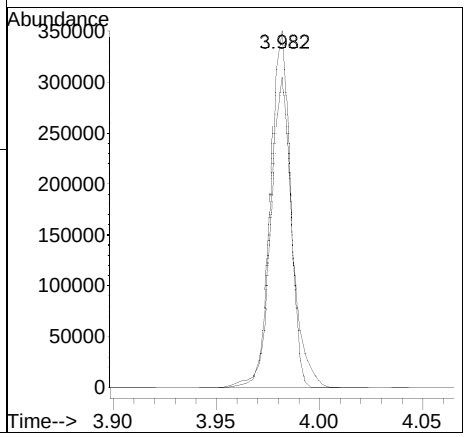


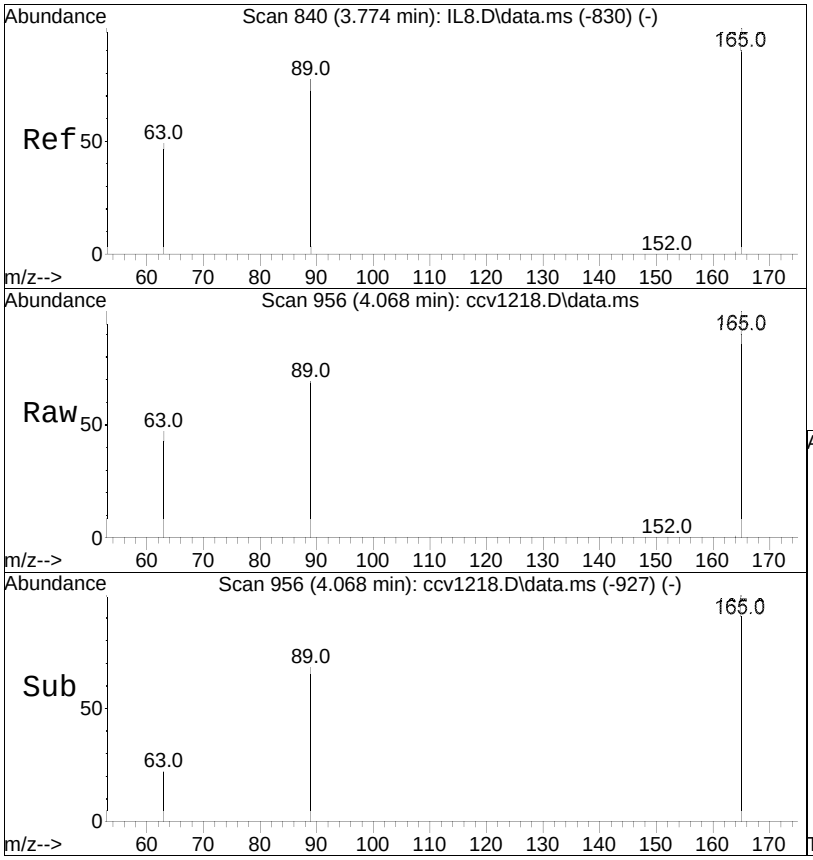


#18
Acenaphthene
Concen: 872.43 ng/ml
RT: 3.982 min Scan# 925
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:153 Resp: 231665

Ion	Ratio	Lower	Upper
153	100		
154	95.4	69.8	104.6

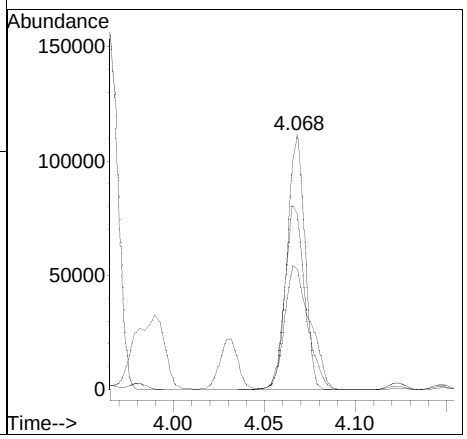


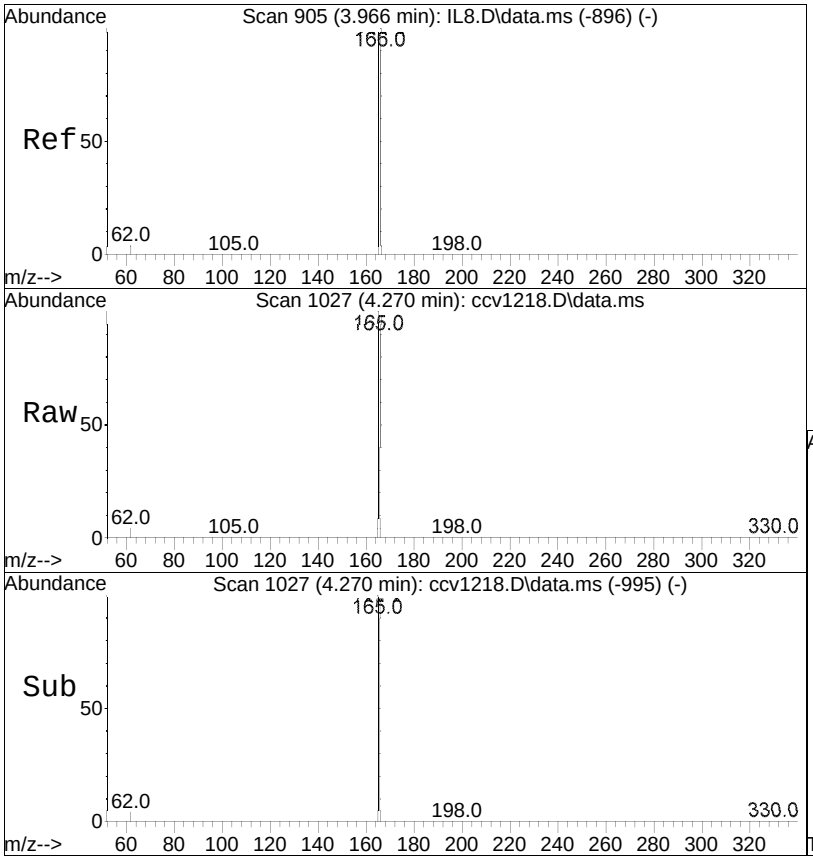


#19
2,4-Dinitrotoluene
Concen: 1018.39 ng/ml
RT: 4.068 min Scan# 956
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:165 Resp: 75293

Ion	Ratio	Lower	Upper
165	100		
89	84.1	65.9	98.9
63	69.5	55.7	83.5

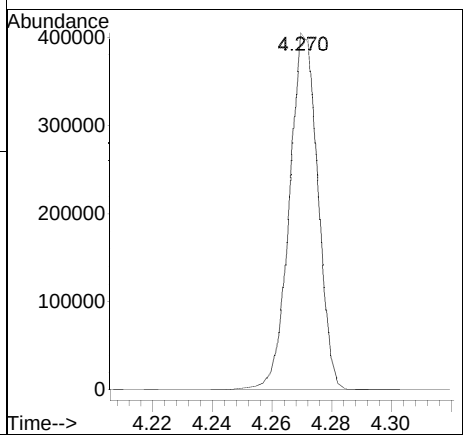


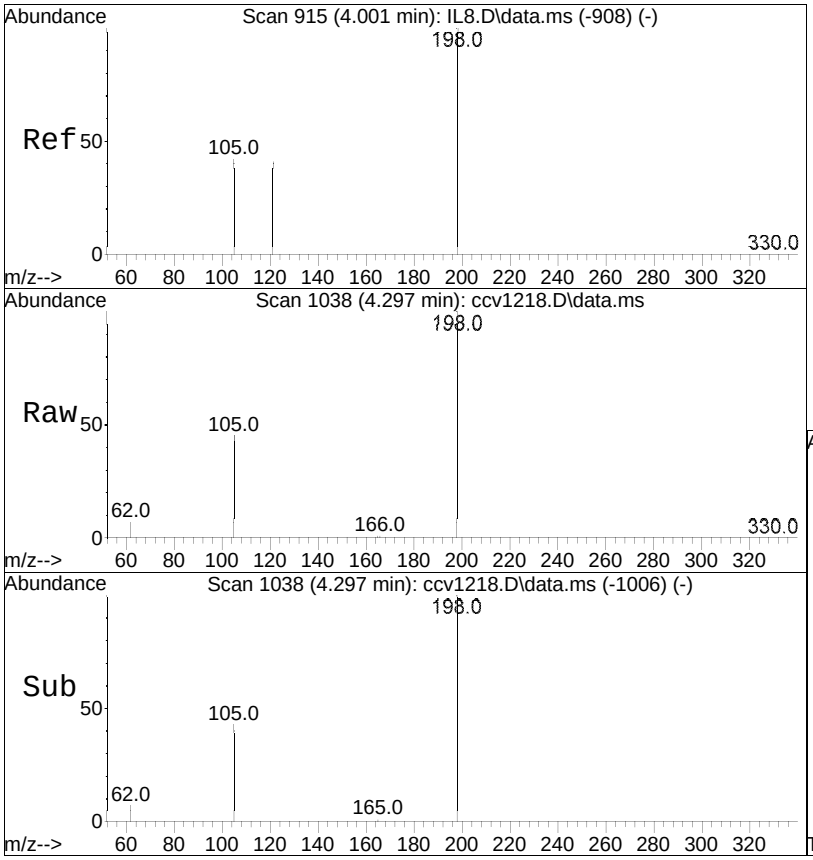


#20
Fluorene
Concen: 927.21 ng/ml
RT: 4.270 min Scan# 1027
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:166 Resp: 266411

Ion	Ratio	Lower	Upper
166	100		
165	100.7	80.1	120.1

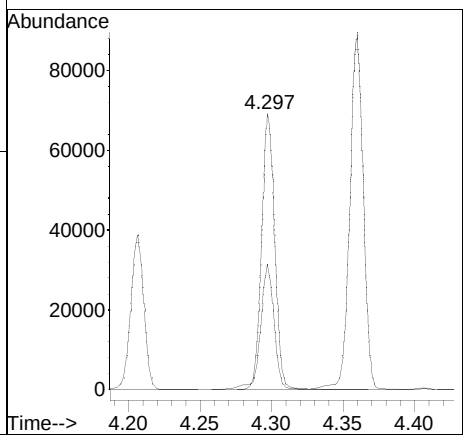


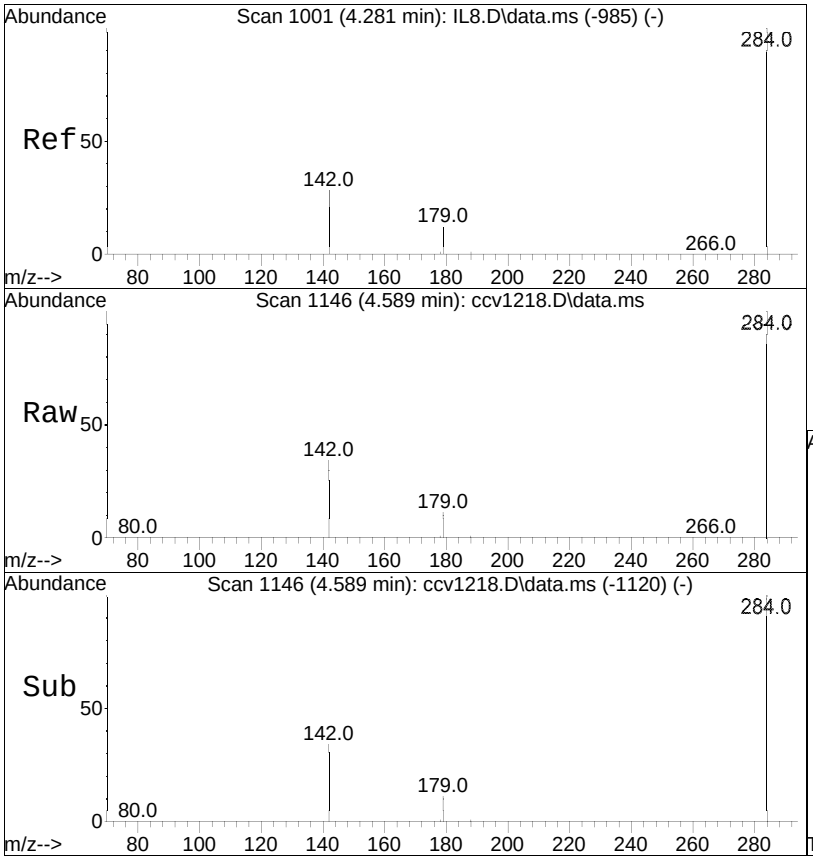


#23
4,6-Dinitro-o-cresol
Concen: 885.24 ng/ml
RT: 4.297 min Scan# 1038
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:198 Resp: 43957

Ion	Ratio	Lower	Upper
198	100		
105	46.2	35.4	53.2

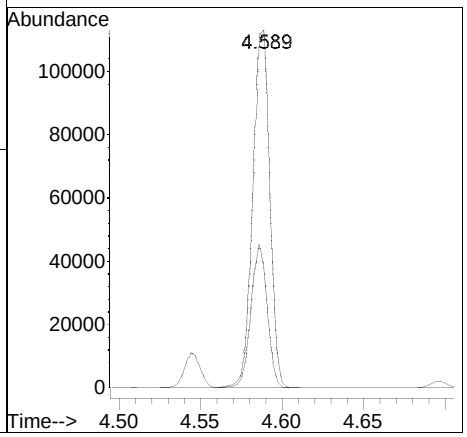


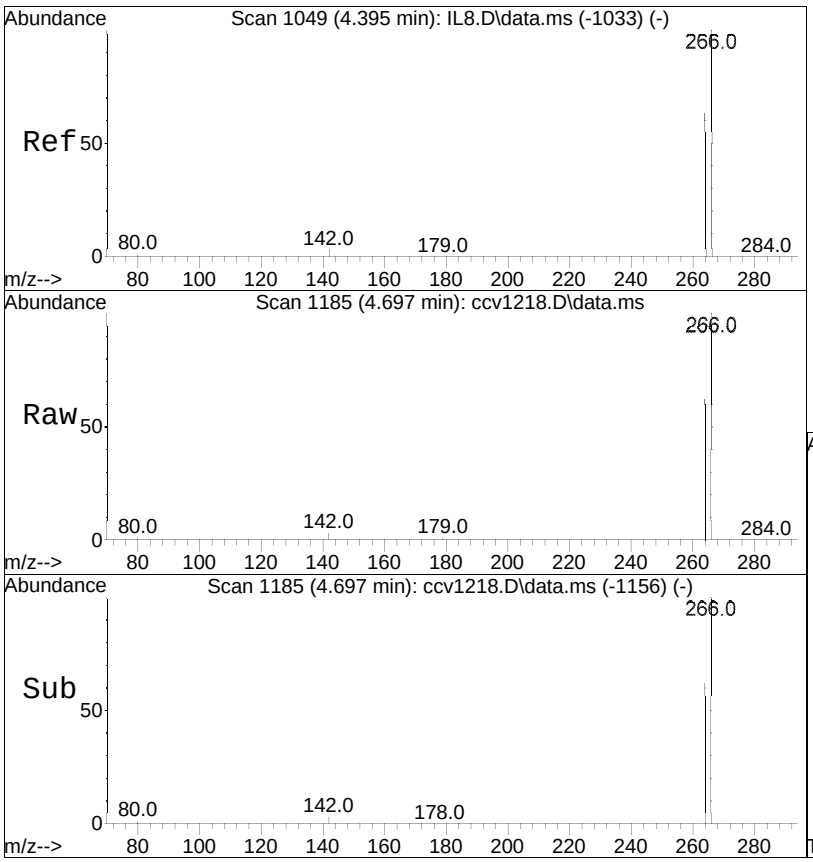


#24
Hexachlorobenzene
Concen: 910.32 ng/ml
RT: 4.589 min Scan# 1146
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:284 Resp: 80964

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.2	45.2

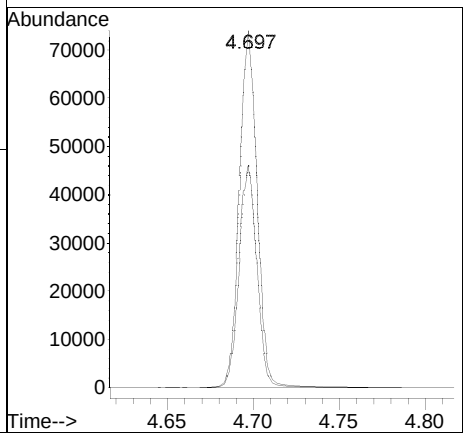


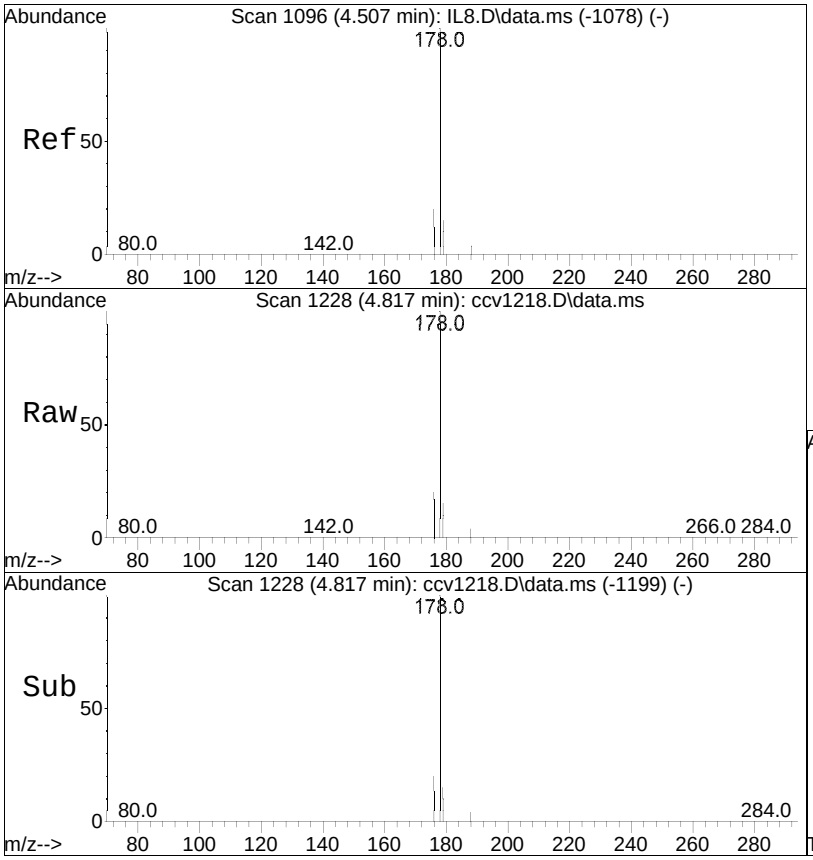


#25
Pentachlorophenol
Concen: 1080.52 ng/ml
RT: 4.697 min Scan# 1185
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:266 Resp: 52926

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.3	75.5

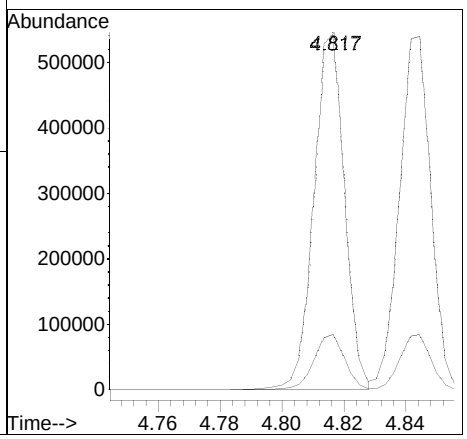


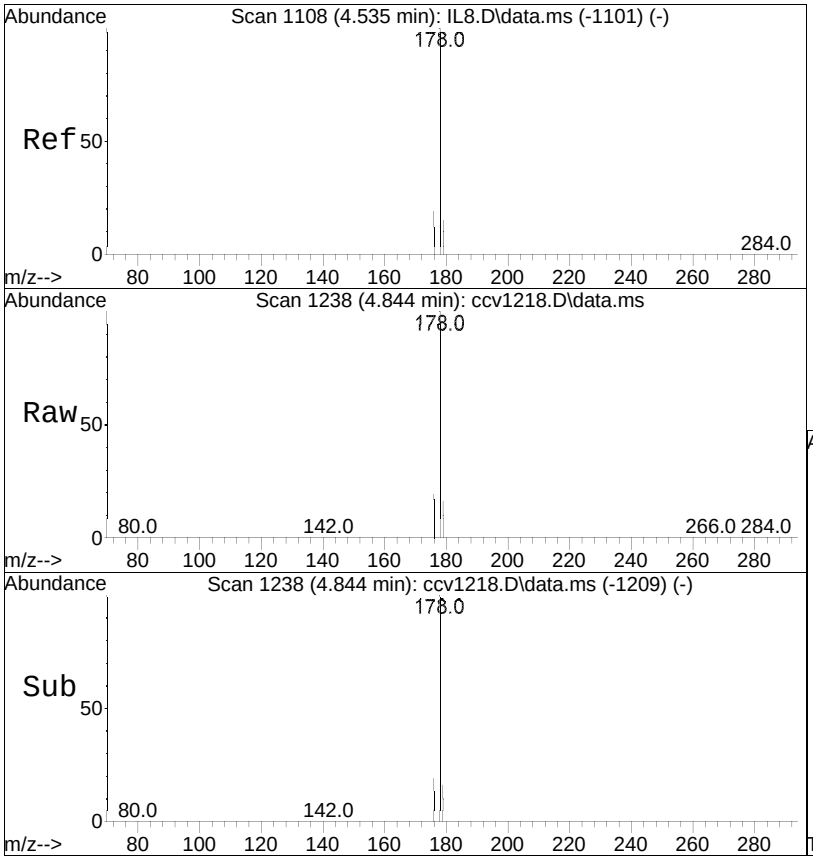


#26
Phenanthrene
Concen: 930.86 ng/ml
RT: 4.817 min Scan# 1228
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:178 Resp: 373505

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

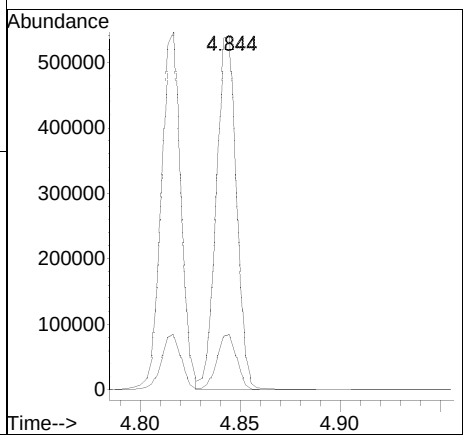


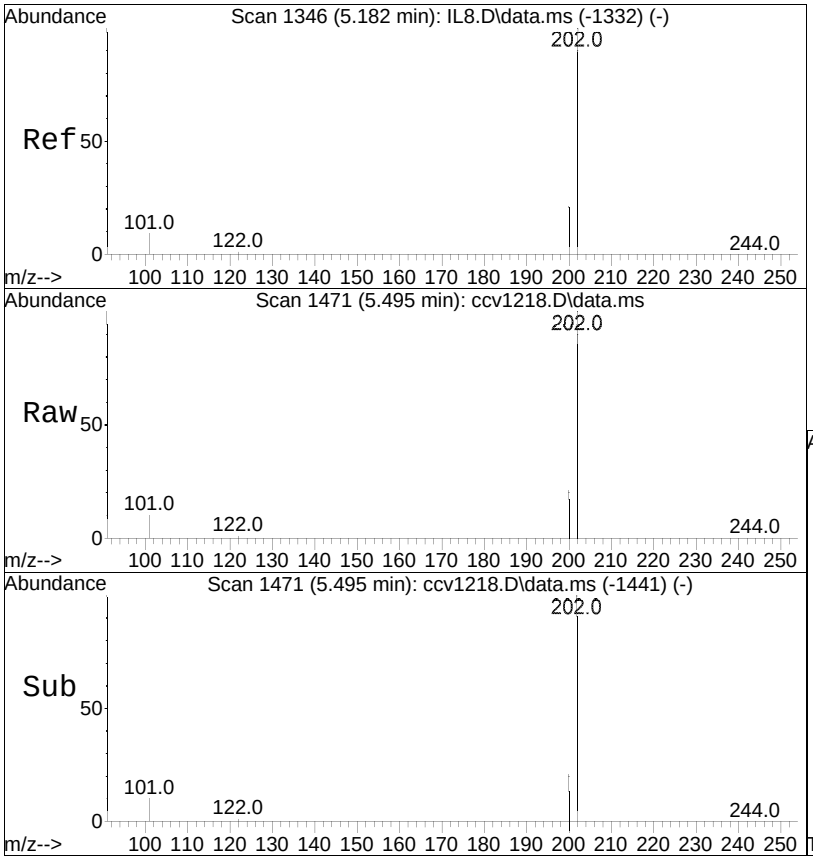


#27
Anthracene
Concen: 914.20 ng/ml
RT: 4.844 min Scan# 1238
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:178 Resp: 379518

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

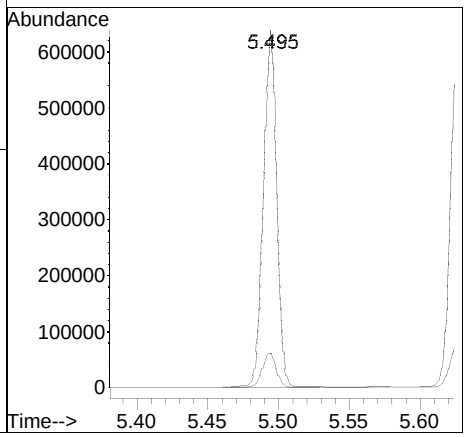


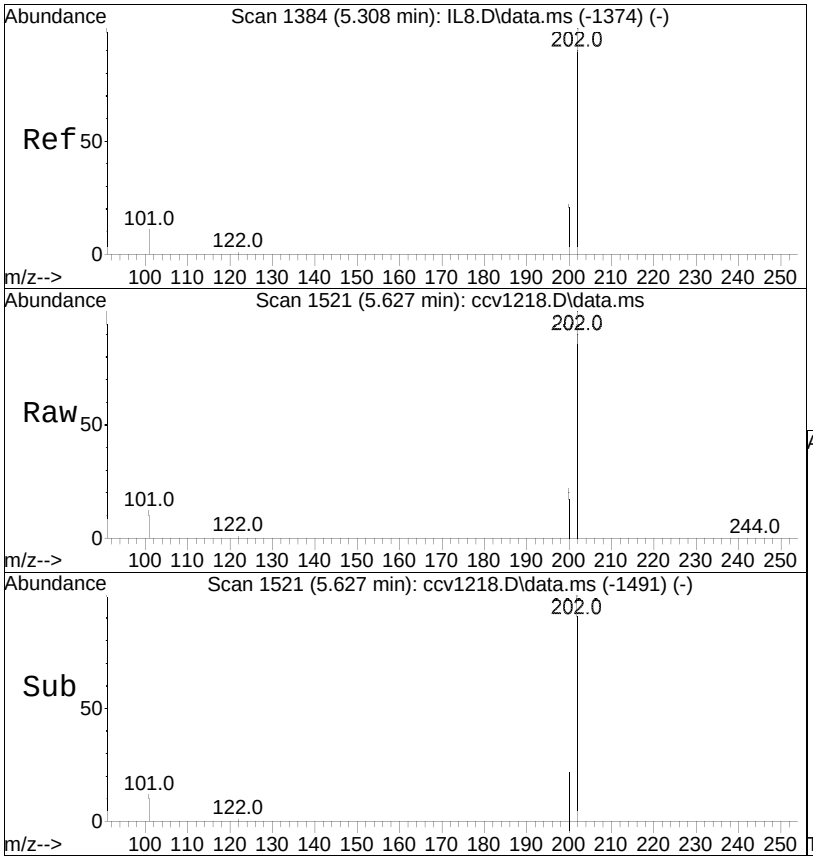


#28
Fluoranthene
Concen: 909.65 ng/ml
RT: 5.495 min Scan# 1471
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:202 Resp: 420391

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6

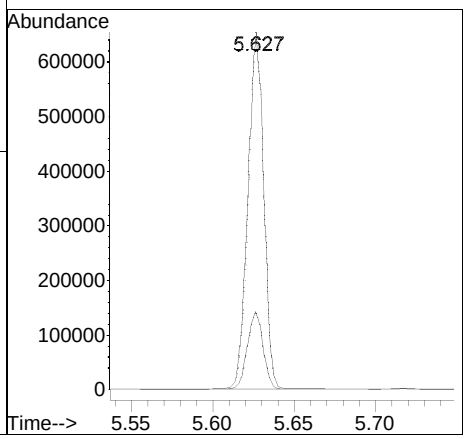


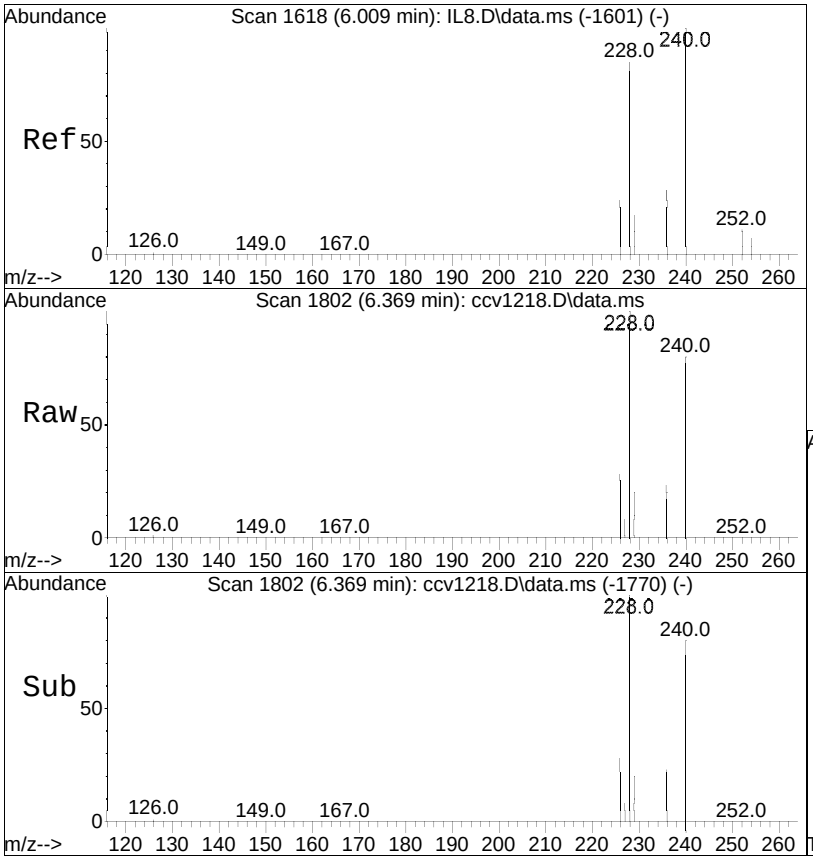


#29
Pyrene
Concen: 907.55 ng/ml
RT: 5.627 min Scan# 1521
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:202 Resp: 432493

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.5	26.3

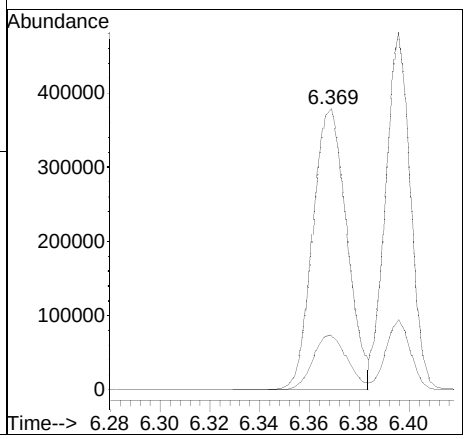


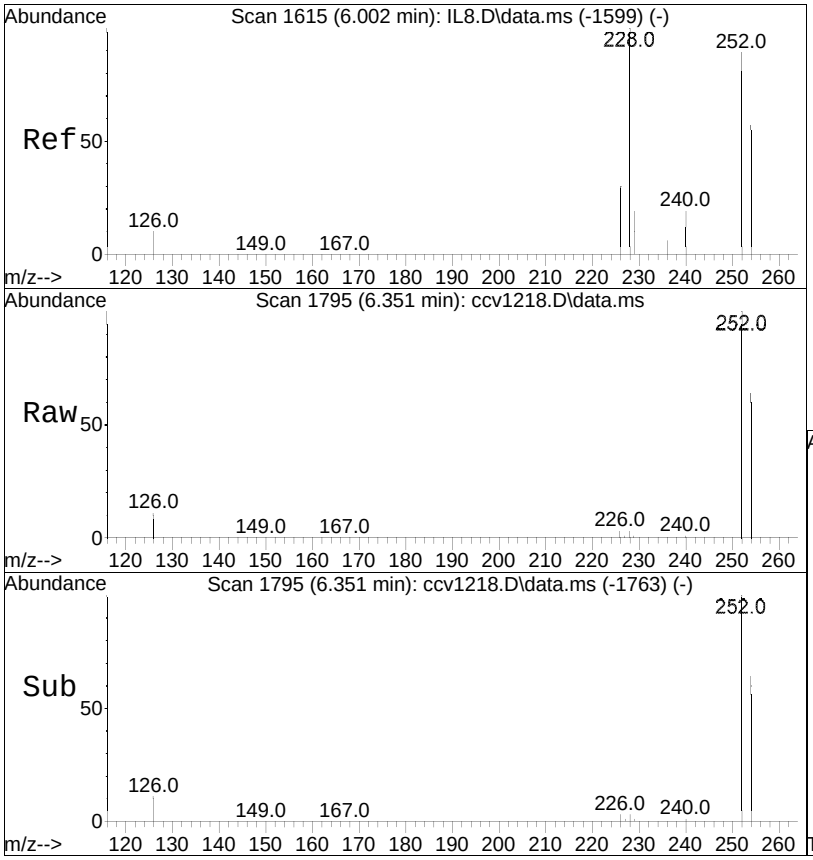


#32
Benzo[a]anthracene
Concen: 897.58 ng/ml
RT: 6.369 min Scan# 1802
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:228 Resp: 360378

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

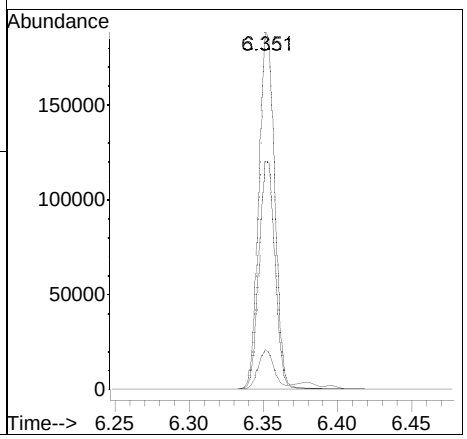


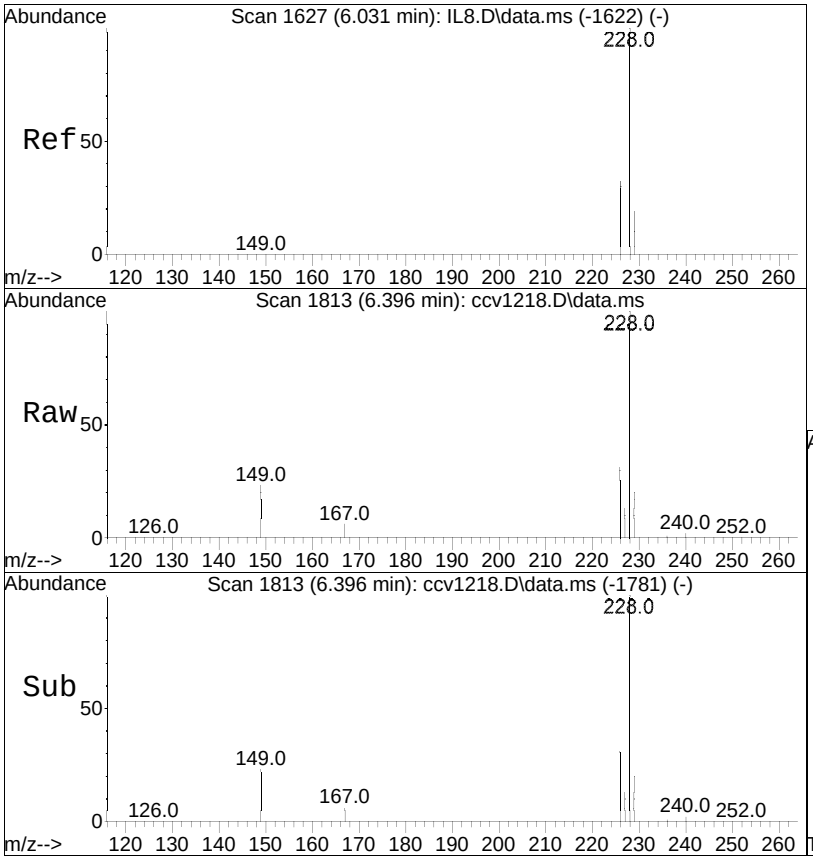


#33
3,3'-Dichlorobenzidine
Concen: 974.52 ng/ml
RT: 6.351 min Scan# 1795
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:252 Resp: 137542

Ion	Ratio	Lower	Upper
252	100		
126	11.5	10.9	16.3
254	64.3	51.4	77.2

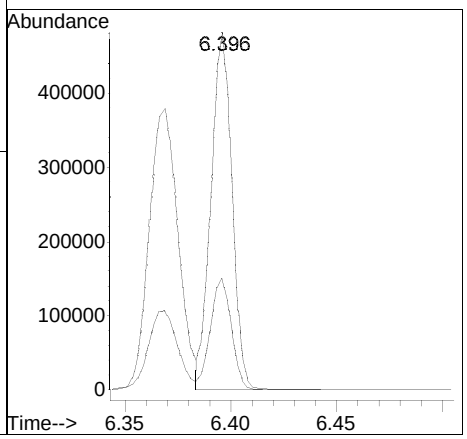


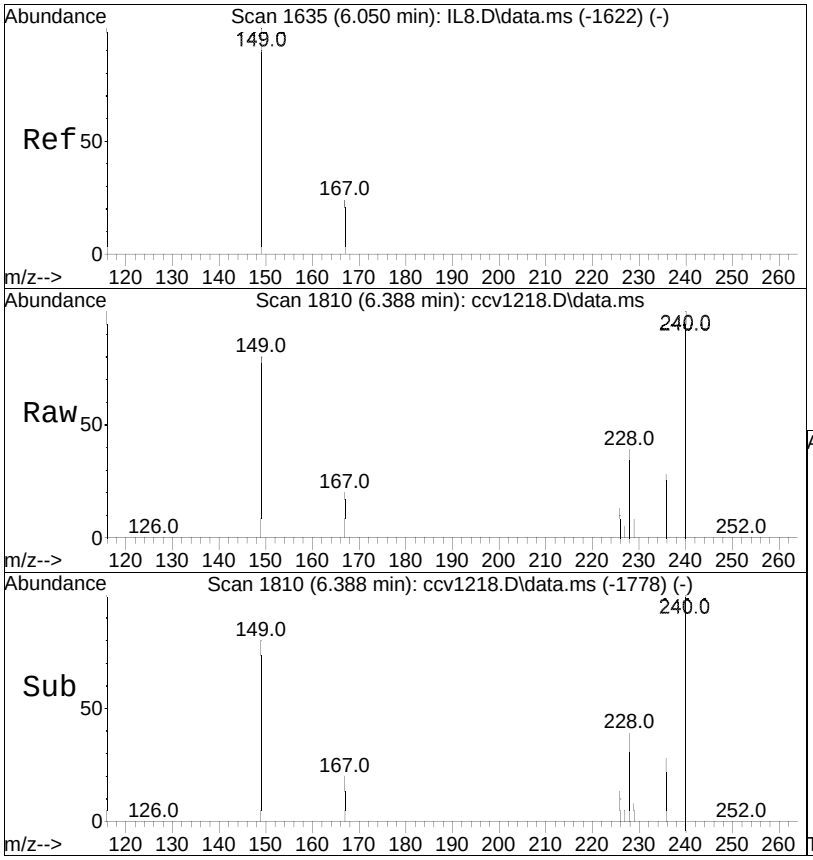


#34
Chrysene
Concen: 958.04 ng/ml
RT: 6.396 min Scan# 1813
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:228 Resp: 331159

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3

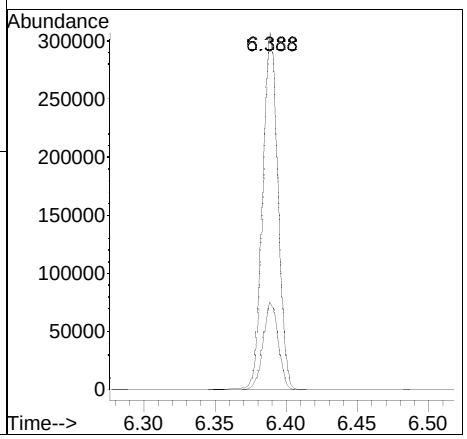


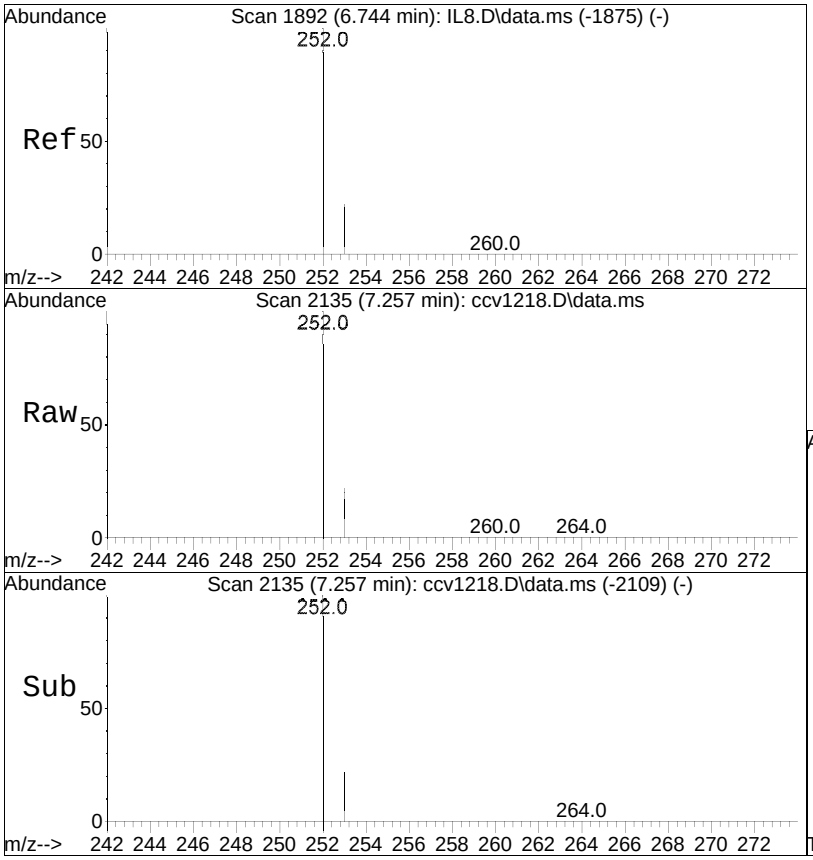


#35
Bis(2-ethylhexyl)phthalate
Concen: 980.17 ng/ml
RT: 6.388 min Scan# 1810
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:149 Resp: 226469

Ion	Ratio	Lower	Upper
149	100		
167	24.6	19.6	29.4

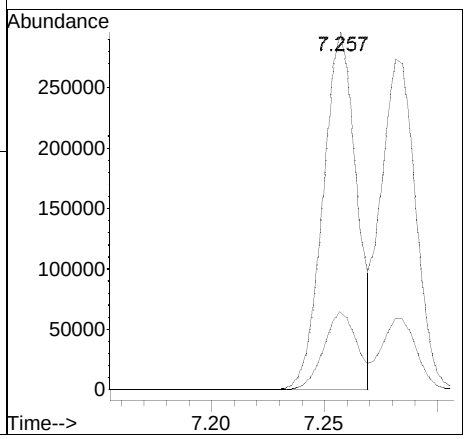


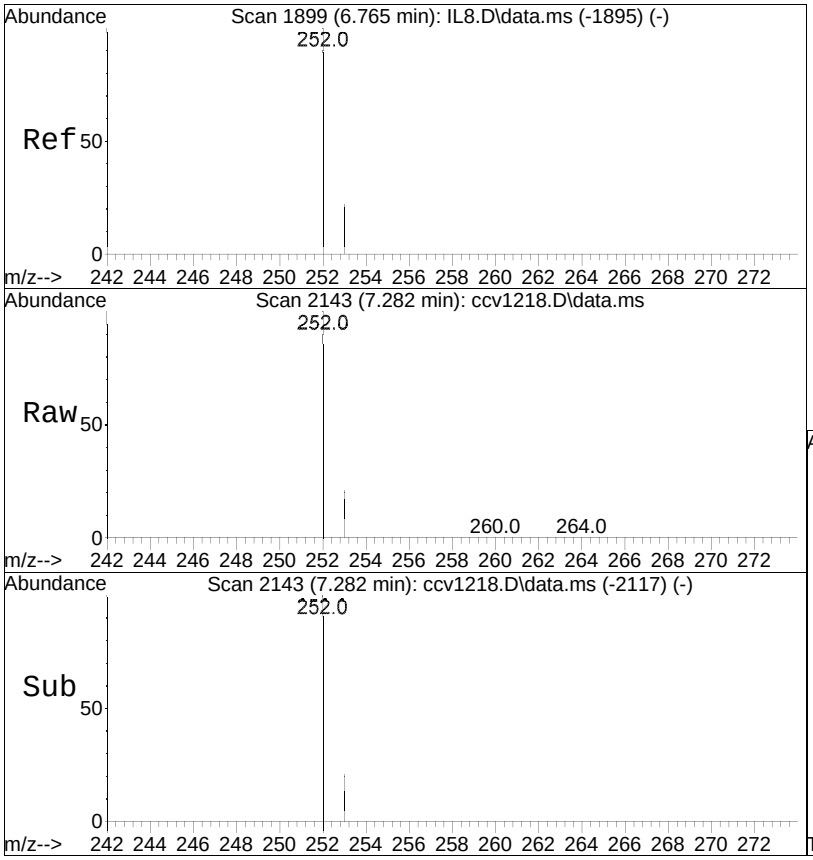


#37
Benzo[b]fluoranthene
Concen: 905.67 ng/ml
RT: 7.257 min Scan# 2135
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:252 Resp: 306539

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

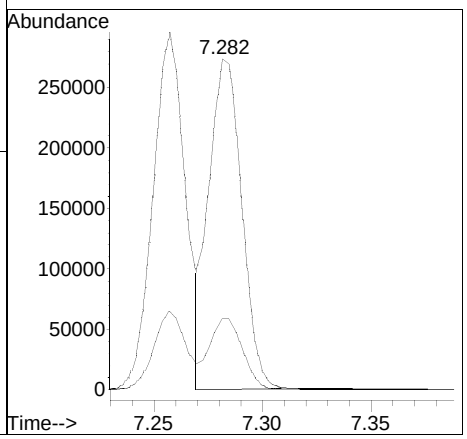


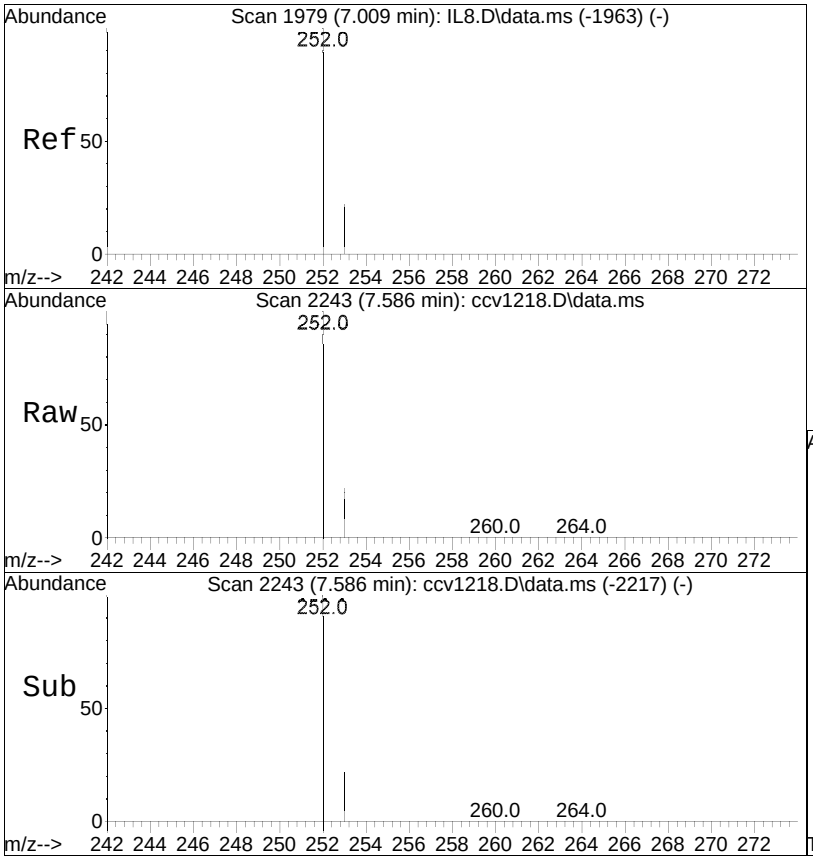


#38
Benzo[k]fluoranthene
Concen: 951.02 ng/ml
RT: 7.282 min Scan# 2143
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:252 Resp: 289371

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4

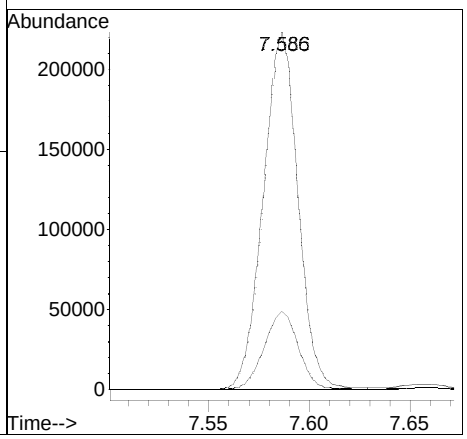


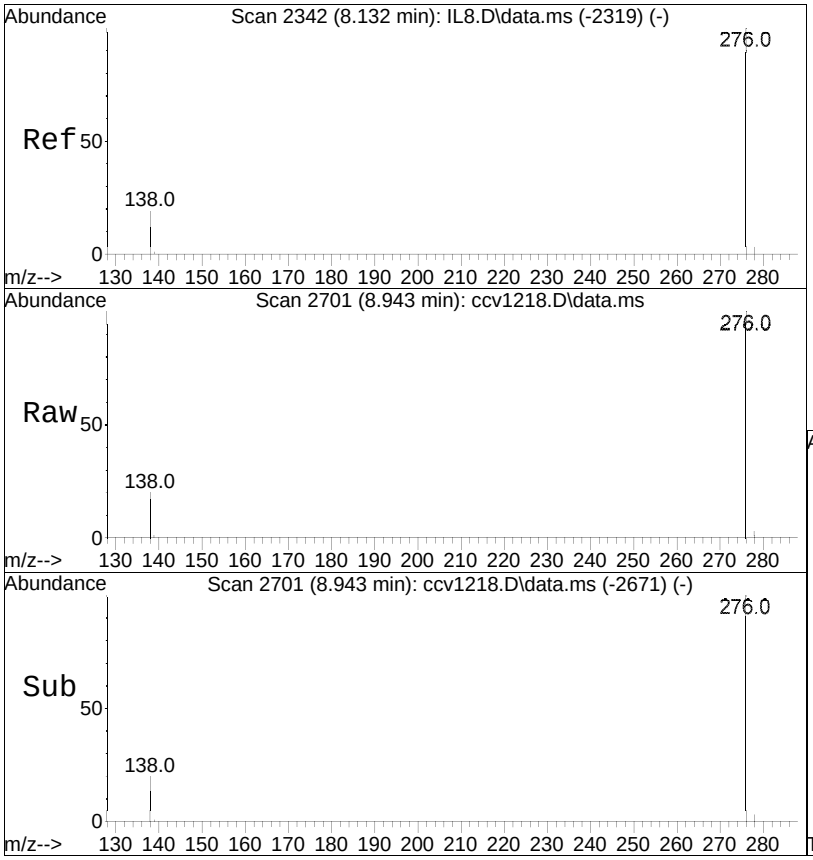


#39
Benzo[a]pyrene
Concen: 951.48 ng/ml
RT: 7.586 min Scan# 2243
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:252 Resp: 263779

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

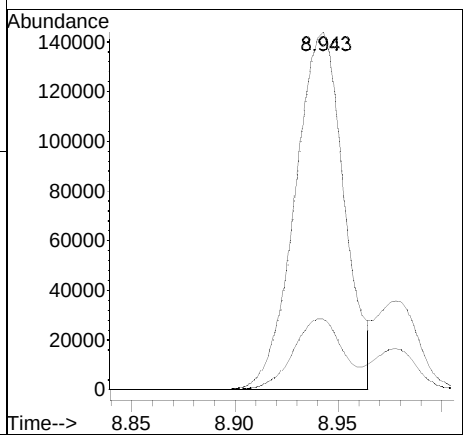


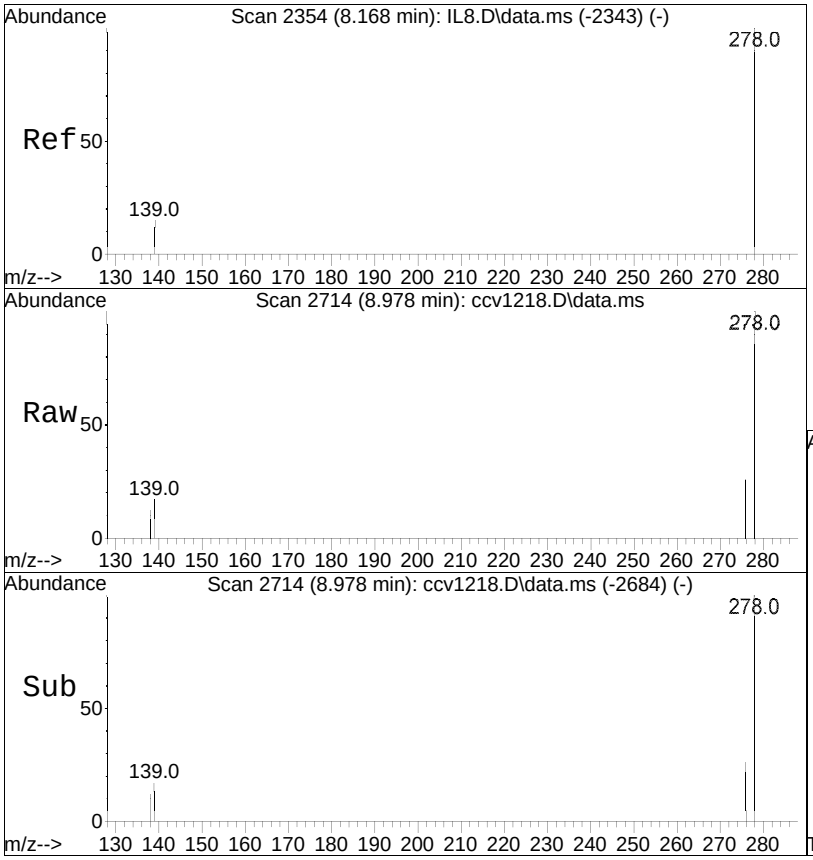


#40
Indeno[1,2,3-cd]pyrene
Concen: 832.19 ng/ml
RT: 8.943 min Scan# 2701
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:276 Resp: 235910

Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.4	23.0

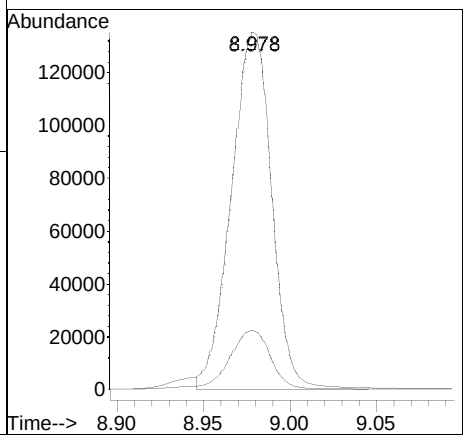


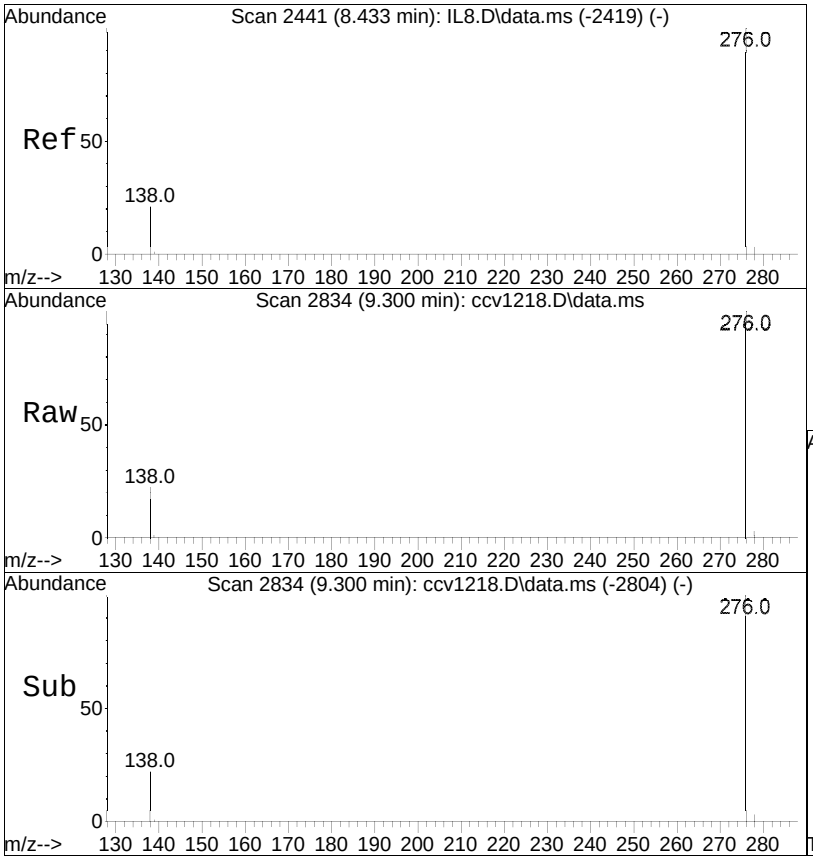


#41
Dibenzo[a,h]anthracene
Concen: 821.79 ng/ml M6
RT: 8.978 min Scan# 2714
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:278 Resp: 218854

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.6

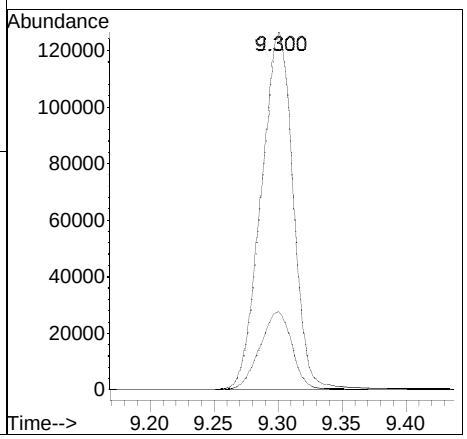




#42
Benzo[g,h,i]perylene
Concen: 784.72 ng/ml
RT: 9.300 min Scan# 2834
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:38 am

Tgt Ion:276 Resp: 216052

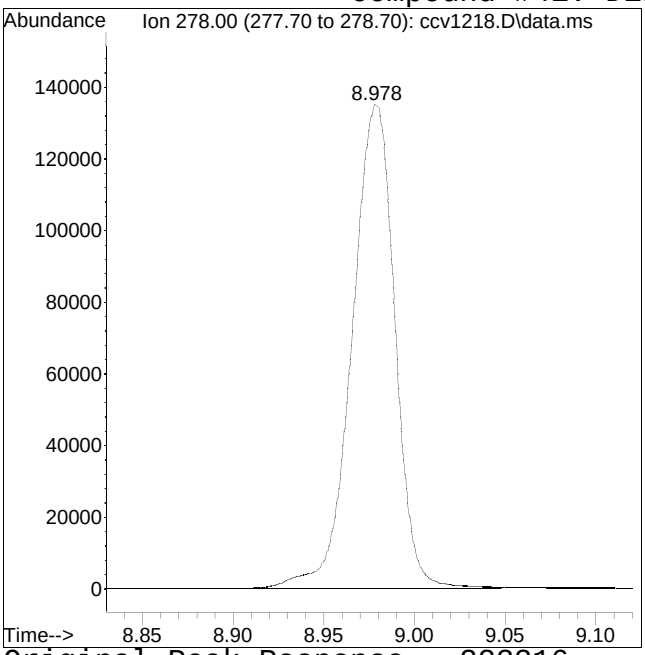
Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.6	25.0



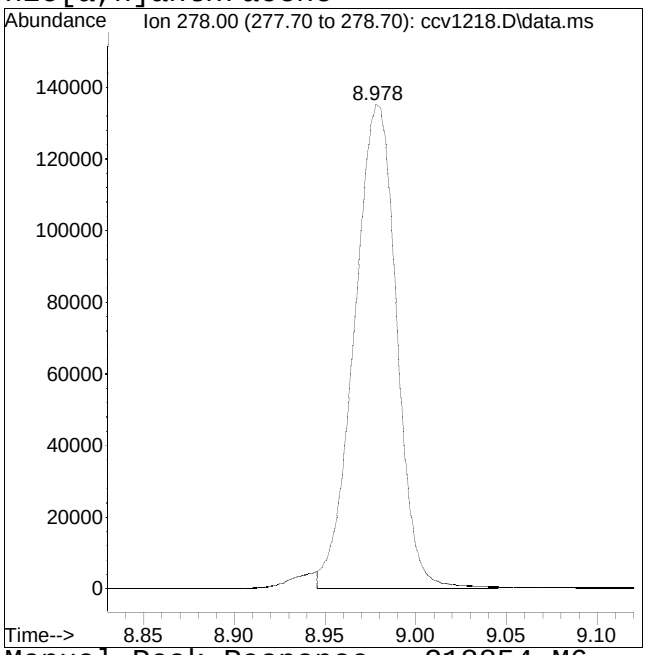
Manual Integration Report

Data Path : I:\8270SIM\sv120\241218RVTQMethod : SIM-RVT_241105_sv120.M
Data File : ccv1218.D Operator : SV120:jjw
Date Inj'd : 12/18/2024 6:38 am Instrument : SV120
Sample : WG2010570-3,32,,ICV 10884 Quant Date : 12/18/2024 6:55 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 223316



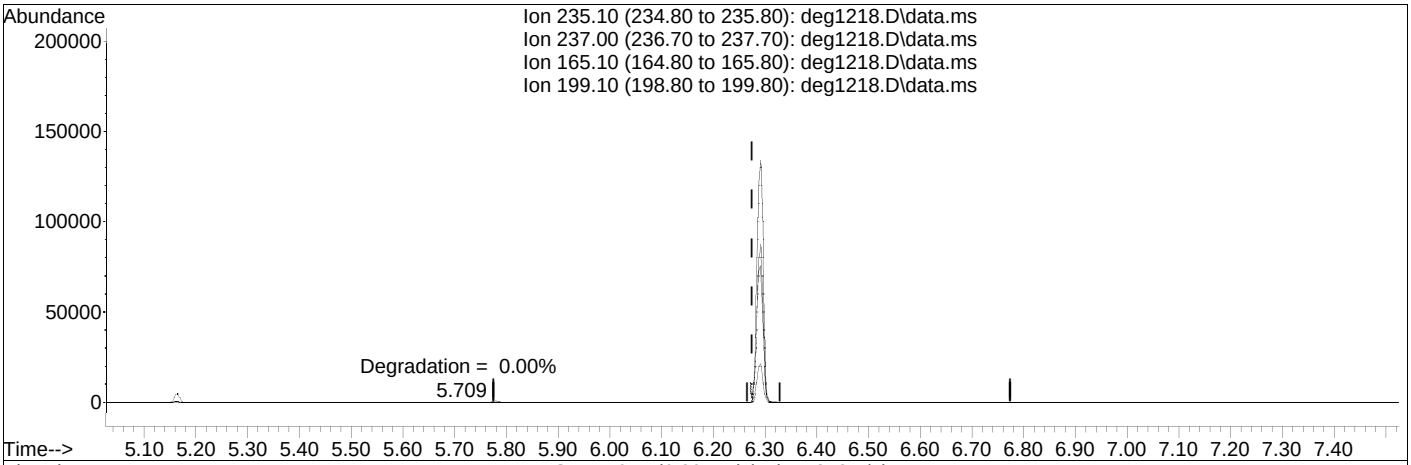
Manual Peak Response = 218854 M6

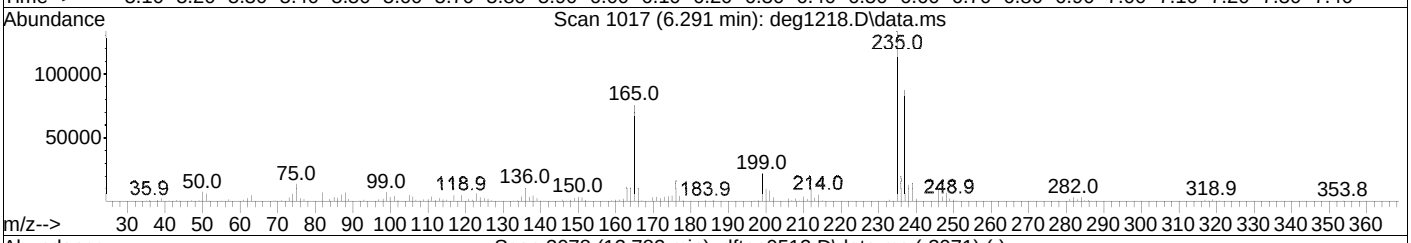
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

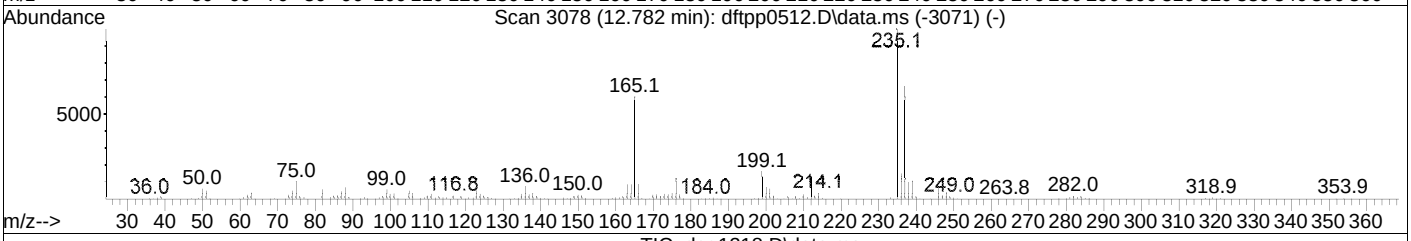
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:21 am
Operator : SV120:jjw
Sample : WG2010570-2,32,, dftpp SV120 lot#11212
Misc : WG2010570,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 18 06:34:29 2024
Quant Method : I:\8270SIM\sv120\241218RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: deg1218.D\data.ms

(6) ddt (T)

6.291min (+ 0.016) 16.96

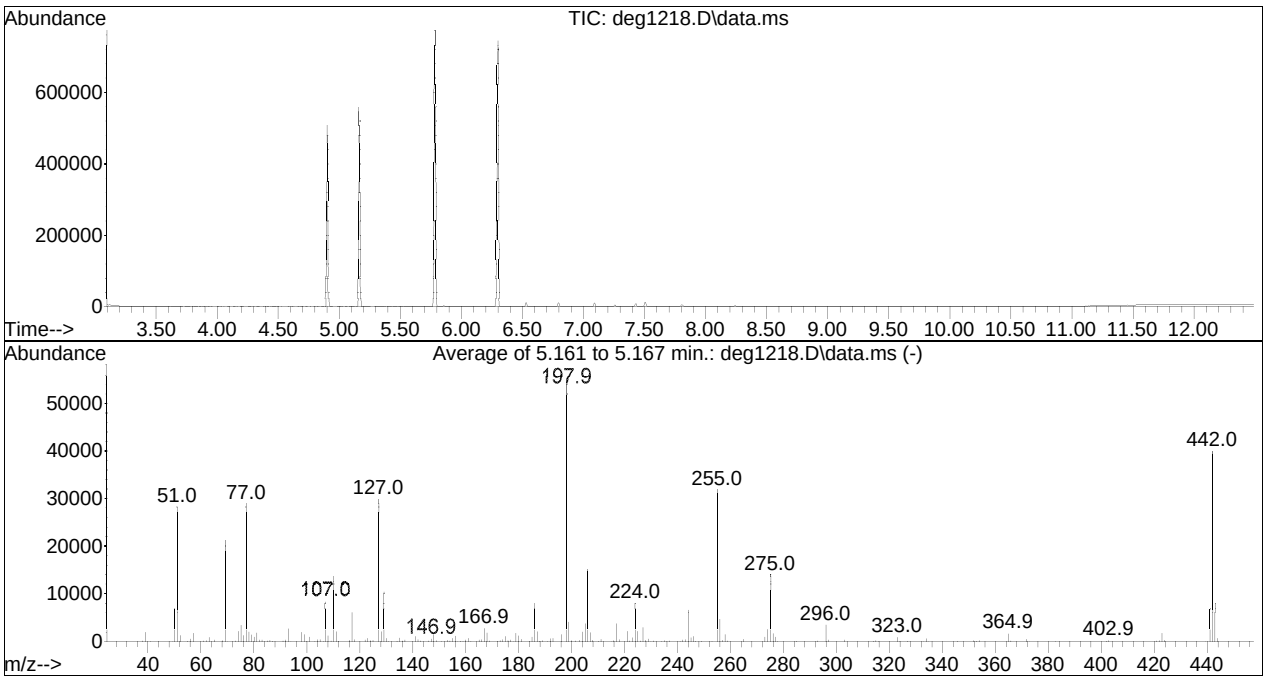
response 103407

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.82
165.10	53.30	57.53
199.10	17.10	16.26

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:21 am
Operator : SV120:jjw
Sample : WG2010570-1,32,, dftpp SV120 lot#11212
Misc : WG2010570,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\241218RVT\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Dec 18 06:55:38 2024



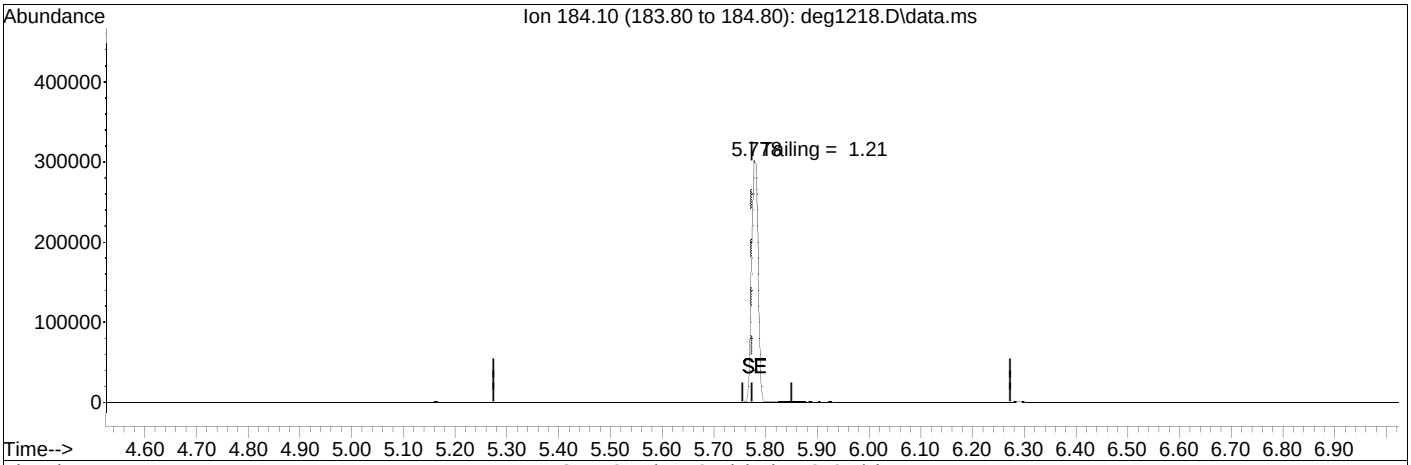
Spectrum Information: Average of 5.161 to 5.167 min.

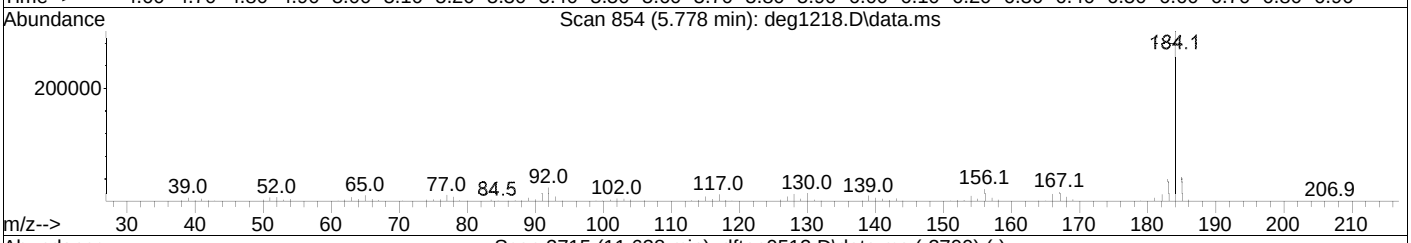
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	50.9	28211	PASS
68	69	0.00	2	1.8	380	PASS
69	69	100	100	100.0	21141	PASS
70	69	0.00	2	0.5	107	PASS
127	198	10	80	53.9	29888	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	55403	PASS
199	198	5	9	7.4	4074	PASS
275	198	10	60	25.4	14052	PASS
365	198	1	100	3.1	1695	PASS
441	442	0.01	24	17.4	6935	PASS
442	198	50	100	72.1	39947	PASS
443	442	15	24	20.1	8045	PASS

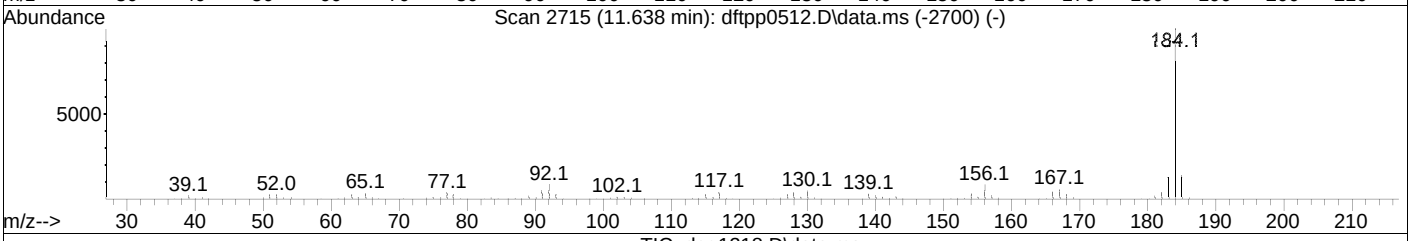
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:21 am
Operator : SV120:jjw
Sample : WG2010570-4,32,, dftpp SV120 lot#11212
Misc : WG2010570,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 18 06:34:29 2024
Quant Method : I:\8270SIM\sv120\241218RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: deg1218.D\data.ms

(3) benzidine (T)

5.778min (+ 0.004) 24.12

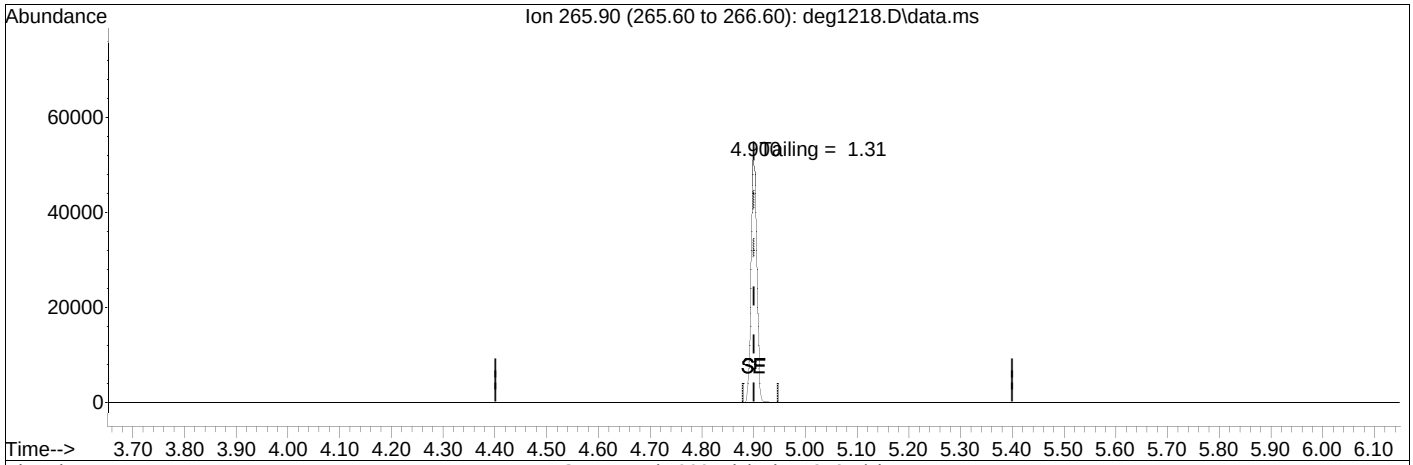
response 245566

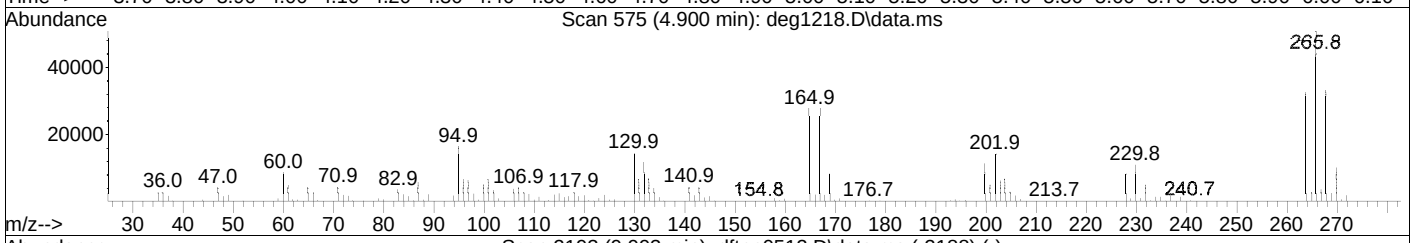
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

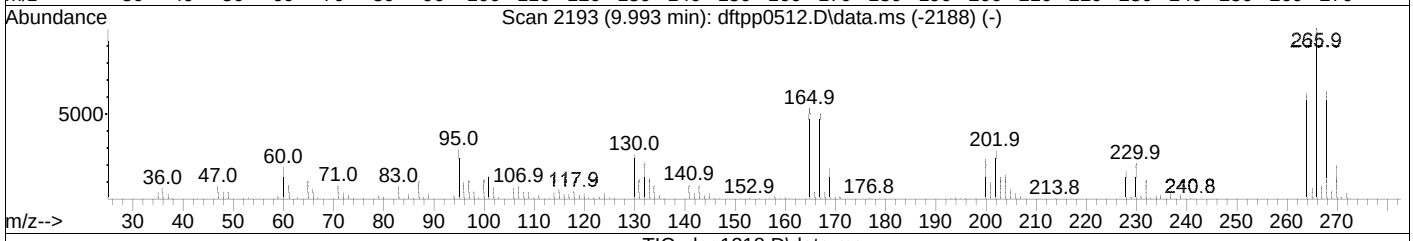
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:21 am
Operator : SV120:jjw
Sample : WG2010570-5,32,, dftpp SV120 lot#11212
Misc : WG2010570,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 18 06:34:29 2024
Quant Method : I:\8270SIM\sv120\241218RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: deg1218.D\data.ms

(1) pentachlorophenol (T)

4.900min (-0.001) 18.16

response 38146

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV118		Calibration Date	: 12/17/24 07:02	
Lab File ID	: CCV1217A		Init. Calib. Date(s)	: 10/25/24	10/25/24
Sample No	: WG2010053-3		Init. Calib. Times	: 16:43	19:21
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	58	0
2-Fluorophenol	1.131	1.126	.01	0.4	20	59	0
Phenol-d6	1.39	1.313	.01	5.5	20	55	0
Bis(2-chloroethyl)ether	1000	954.438	.01	4.6	20	55	0
n-nitrosodi-n-propylamine	0.879	0.864	.01	1.7	20	58	0
Hexachloroethane	0.502	0.513	.01	-2.2	20	60	0
Nitrobenzene-d5	0.897	1.225	.01	-36.6*	20	76	0
Naphthalene-d8	1	1	.01	0	20	62	0
Naphthalene	1.053	0.908	.01	13.8	20	55	0
Hexachlorobutadiene	0.187	0.17	.01	9.1	20	57	0
2-Methylnaphthalene	0.674	0.743	.01	-10.2	20	69	0
1-Methylnaphthalene	0.627	0.678	.01	-8.1	20	68	0
2-Fluorobiphenyl	0.769	0.844	.01	-9.8	20	70	0
2-Chloronaphthalene	0.677	0.718	.01	-6.1	20	66	0
2,6-Dinitrotoluene	0.092	0.163	.01	-77.2*	20	104	0
Acenaphthylene	1.002	1.109	.01	-10.7	20	67	0
Acenaphthene-d10	1	1	.01	0	20	77	0
Acenaphthene	1.308	1.095	.01	16.3	20	67	0
2,4-Dinitrotoluene	1000	1265.669	.01	-26.6*	20	106	0
Fluorene	1.393	1.223	.01	12.2	20	68	0
2,4,6-Tribromophenol	0.184	0.21	.01	-14.1	20	83	0
Phenanthrene-d10	1	1	.01	0	20	76	0
4,6-Dinitro-o-cresol	1000	1565.767	.01	-56.6*	20	130	0
Hexachlorobenzene	0.263	0.221	.01	16	20	65	0
Pentachlorophenol	0.098	0.089	.01	9.2	20	62	0
Phenanthrene	1.086	0.884	.01	18.6	20	65	0
Anthracene	1.066	0.926	.01	13.1	20	66	0
Fluoranthene	1.216	0.987	.01	18.8	20	63	0
Pyrene	1.291	1.042	.01	19.3	20	62	0
4-Terphenyl-d14	0.818	0.694	.01	15.2	20	67	0
Chrysene-d12	1	1	.01	0	20	72	0
Benzo[a]anthracene	0.392	0.301	.01	23.2*	20	60	0
3,3'-Dichlorobenzidine	0.418	0.425	.01	-1.7	20	64	0
Chrysene	1.207	1.022	.01	15.3	20	61	0
Bis(2-ethylhexyl)phthalate	0.696	0.721	.01	-3.6	20	70	0
Perylene-d12	1	1	.01	0	20	68	0
Benzo[b]fluoranthene	1.031	1.006	.01	2.4	20	64	0
Benzo[k]fluoranthene	1.093	0.997	.01	8.8	20	59	0
Benzo[a]pyrene	0.911	0.883	.01	3.1	20	61	0
Indeno[1,2,3-cd]pyrene	0.849	0.822	.01	3.2	20	58	0
Dibenzo[a,h]anthracene	0.865	0.841	.01	2.8	20	61	0
Benzo[g,h,i]perylene	0.89	0.803	.01	9.8	20	58	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/18/24 06:38	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010570-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	137	0
2-Fluorophenol	1.177	1.103	.05	6.3	20	131	0
Phenol-d6	1.447	1.406	.05	2.8	20	135	0
Bis(2-chloroethyl)ether	1000	863.398	.05	13.7	20	124	0
n-nitrosodi-n-propylamine	0.873	0.85	.05	2.6	20	134	0
Hexachloroethane	0.524	0.486	.05	7.3	20	129	0
Nitrobenzene-d5	1.277	1.259	.05	1.4	20	135	0
Naphthalene-d8	1	1	.05	0	20	142	0
Naphthalene	1	0.883	.05	11.7	20	132	0
Hexachlorobutadiene	0.189	0.165	.05	12.7	20	129	0
2-Methylnaphthalene	0.694	0.637	.05	8.2	20	136	0
1-Methylnaphthalene	0.639	0.578	.05	9.5	20	135	0
2-Fluorobiphenyl	0.806	0.689	.05	14.5	20	131	0
2-Chloronaphthalene	0.689	0.608	.05	11.8	20	134	0
2,6-Dinitrotoluene	0.156	0.148	.05	5.1	20	138	0
Acenaphthylene	0.994	0.931	.05	6.3	20	135	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.207	1.053	.05	12.8	20	133	0
2,4-Dinitrotoluene	0.336	0.342	.05	-1.8	20	140	0
Fluorene	1.306	1.211	.05	7.3	20	138	0
2,4,6-Tribromophenol	0.159	0.163	.05	-2.5	20	141	0
Phenanthrene-d10	1	1	.05	0	20	144	0
4,6-Dinitro-o-cresol	1000	885.239	.05	11.5	20	136	0
Hexachlorobenzene	0.211	0.192	.05	9	20	138	0
Pentachlorophenol	1000	1080.516	.05	-8.1	20	160	0
Phenanthrene	0.953	0.887	.05	6.9	20	134	0
Anthracene	0.986	0.902	.05	8.5	20	134	0
Fluoranthene	1.098	0.999	.05	9	20	138	0
Pyrene	1.132	1.027	.05	9.3	20	137	0
4-Terphenyl-d14	0.727	0.588	.05	19.1	20	122	0
Chrysene-d12	1	1	.05	0	20	133	0
Benzo[a]anthracene	1000	897.577	.05	10.2	20	122	0
3,3'-Dichlorobenzidine	0.432	0.421	.05	2.5	20	127	0
Chrysene	1.059	1.015	.05	4.2	20	119	0
Bis(2-ethylhexyl)phthalate	0.708	0.694	.05	2	20	128	0
Perylene-d12	1	1	.05	0	20	116	0
Benzo[b]fluoranthene	1.214	1.099	.05	9.5	20	109	0
Benzo[k]fluoranthene	1.091	1.038	.05	4.9	20	107	0
Benzo[a]pyrene	0.994	0.946	.05	4.8	20	107	0
Indeno[1,2,3-cd]pyrene	1.017	0.846	.05	16.8	20	95	0
Dibenzo[a,h]anthracene	0.955	0.785	.05	17.8	20	95	0
Benzo[g,h,i]perylene	0.987	0.775	.05	21.5*	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/18/24 06:44	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010584-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	132	0
2-Fluorophenol	1.075	0.983	.05	8.6	20	124	0
Phenol-d6	1.36	1.246	.05	8.4	20	126	0
Bis(2-chloroethyl)ether	1000	887.741	.05	11.2	20	125	0
n-nitrosodi-n-propylamine	0.775	0.749	.05	3.4	20	123	0
Hexachloroethane	0.503	0.461	.05	8.3	20	124	0
Nitrobenzene-d5	1.158	1.122	.05	3.1	20	124	0
Naphthalene-d8	1	1	.05	0	20	143	0
Naphthalene	1.074	0.966	.05	10.1	20	133	0
Hexachlorobutadiene	0.22	0.173	.05	21.4*	20	115	0
2-Methylnaphthalene	0.724	0.661	.05	8.7	20	132	0
1-Methylnaphthalene	0.677	0.614	.05	9.3	20	133	0
2-Fluorobiphenyl	0.89	0.744	.05	16.4	20	123	0
2-Chloronaphthalene	0.758	0.664	.05	12.4	20	126	0
2,6-Dinitrotoluene	0.173	0.166	.05	4	20	129	0
Acenaphthylene	1.076	1.009	.05	6.2	20	128	0
Acenaphthene-d10	1	1	.05	0	20	142	0
Acenaphthene	1.289	1.136	.05	11.9	20	131	0
2,4-Dinitrotoluene	0.376	0.378	.05	-0.5	20	134	0
Fluorene	1.423	1.233	.05	13.4	20	127	0
2,4,6-Tribromophenol	0.217	0.201	.05	7.4	20	115	0
Phenanthrene-d10	1	1	.05	0	20	140	0
4,6-Dinitro-o-cresol	1000	886.851	.05	11.3	20	125	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	114	0
Pentachlorophenol	1000	888.794	.05	11.1	20	113	0
Phenanthrene	1.105	0.959	.05	13.2	20	128	0
Anthracene	1.064	0.974	.05	8.5	20	127	0
Fluoranthene	1.27	1.12	.05	11.8	20	125	0
Pyrene	1.342	1.191	.05	11.3	20	126	0
4-Terphenyl-d14	0.922	0.735	.05	20.3*	20	117	0
Chrysene-d12	1	1	.05	0	20	138	0
Benzo[a]anthracene	1000	951.499	.05	4.9	20	125	0
3,3'-Dichlorobenzidine	0.448	0.453	.05	-1.1	20	129	0
Chrysene	1.132	1.084	.05	4.2	20	123	0
Bis(2-ethylhexyl)phthalate	0.648	0.774	.05	-19.4	20	155	0
Perylene-d12	1	1	.05	0	20	147	0
Benzo[b]fluoranthene	1.113	0.952	.05	14.5	20	123	0
Benzo[k]fluoranthene	1.017	0.952	.05	6.4	20	132	0
Benzo[a]pyrene	0.923	0.873	.05	5.4	20	130	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	136	0
Dibenzo[a,h]anthracene	0.913	0.917	.05	-0.4	20	139	0
Benzo[g,h,i]perylene	0.963	0.907	.05	5.8	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/19/24 07:05	
Lab File ID	: CCV1219		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011166-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	68	0
2-Fluorophenol	1.177	1.098	.05	6.7	20	65	0
Phenol-d6	1.447	1.362	.05	5.9	20	65	0
Bis(2-chloroethyl)ether	1000	914.932	.05	8.5	20	65	0
n-nitrosodi-n-propylamine	0.873	0.809	.05	7.3	20	63	0
Hexachloroethane	0.524	0.478	.05	8.8	20	63	0
Nitrobenzene-d5	1.277	1.203	.05	5.8	20	64	0
Naphthalene-d8	1	1	.05	0	20	69	0
Naphthalene	1	0.887	.05	11.3	20	65	0
Hexachlorobutadiene	0.189	0.166	.05	12.2	20	63	0
2-Methylnaphthalene	0.694	0.625	.05	9.9	20	65	0
1-Methylnaphthalene	0.639	0.573	.05	10.3	20	66	0
2-Fluorobiphenyl	0.806	0.688	.05	14.6	20	64	0
2-Chloronaphthalene	0.689	0.597	.05	13.4	20	64	0
2,6-Dinitrotoluene	0.156	0.146	.05	6.4	20	67	0
Acenaphthylene	0.994	0.922	.05	7.2	20	65	0
Acenaphthene-d10	1	1	.05	0	20	71	0
Acenaphthene	1.207	1.049	.05	13.1	20	65	0
2,4-Dinitrotoluene	0.336	0.346	.05	-3	20	69	0
Fluorene	1.306	1.197	.05	8.3	20	67	0
2,4,6-Tribromophenol	0.159	0.161	.05	-1.3	20	68	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	807.375	.05	19.3	20	65	0
Hexachlorobenzene	0.211	0.185	.05	12.3	20	69	0
Pentachlorophenol	1000	904.308	.05	9.6	20	69	0
Phenanthrene	0.953	0.878	.05	7.9	20	69	0
Anthracene	0.986	0.895	.05	9.2	20	69	0
Fluoranthene	1.098	1.09	.05	0.7	20	79	0
Pyrene	1.132	1.15	.05	-1.6	20	80	0
4-Terphenyl-d14	0.727	0.674	.05	7.3	20	73	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	894.406	.05	10.6	20	81	0
3,3'-Dichlorobenzidine	0.432	0.439	.05	-1.6	20	88	0
Chrysene	1.059	1.038	.05	2	20	81	0
Bis(2-ethylhexyl)phthalate	0.708	0.699	.05	1.3	20	87	0
Perylene-d12	1	1	.05	0	20	90	0
Benzo[b]fluoranthene	1.214	1.12	.05	7.7	20	86	0
Benzo[k]fluoranthene	1.091	1	.05	8.3	20	79	0
Benzo[a]pyrene	0.994	0.959	.05	3.5	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.959	.05	5.7	20	83	0
Dibenzo[a,h]anthracene	0.955	0.886	.05	7.2	20	82	0
Benzo[g,h,i]perylene	0.987	0.891	.05	9.7	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/19/24 19:33	
Lab File ID	: CCV1219N		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011538-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	122	0
2-Fluorophenol	1.075	1.008	.05	6.2	20	117	0
Phenol-d6	1.36	1.294	.05	4.9	20	121	0
Bis(2-chloroethyl)ether	1000	913.34	.05	8.7	20	119	0
n-nitrosodi-n-propylamine	0.775	0.767	.05	1	20	116	0
Hexachloroethane	0.503	0.469	.05	6.8	20	117	0
Nitrobenzene-d5	1.158	1.156	.05	0.2	20	118	0
Naphthalene-d8	1	1	.05	0	20	133	0
Naphthalene	1.074	0.985	.05	8.3	20	126	0
Hexachlorobutadiene	0.22	0.175	.05	20.5*	20	108	0
2-Methylnaphthalene	0.724	0.672	.05	7.2	20	125	0
1-Methylnaphthalene	0.677	0.622	.05	8.1	20	125	0
2-Fluorobiphenyl	0.89	0.752	.05	15.5	20	115	0
2-Chloronaphthalene	0.758	0.668	.05	11.9	20	118	0
2,6-Dinitrotoluene	0.173	0.172	.05	0.6	20	124	0
Acenaphthylene	1.076	1.029	.05	4.4	20	122	0
Acenaphthene-d10	1	1	.05	0	20	131	0
Acenaphthene	1.289	1.161	.05	9.9	20	124	0
2,4-Dinitrotoluene	0.376	0.391	.05	-4	20	128	0
Fluorene	1.423	1.264	.05	11.2	20	120	0
2,4,6-Tribromophenol	0.217	0.208	.05	4.1	20	111	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	905.541	.05	9.4	20	122	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	109	0
Pentachlorophenol	1000	844.068	.05	15.6	20	102	0
Phenanthrene	1.105	0.966	.05	12.6	20	123	0
Anthracene	1.064	0.986	.05	7.3	20	123	0
Fluoranthene	1.27	1.155	.05	9.1	20	124	0
Pyrene	1.342	1.237	.05	7.8	20	125	0
4-Terphenyl-d14	0.922	0.765	.05	17	20	116	0
Chrysene-d12	1	1	.05	0	20	137	0
Benzo[a]anthracene	1000	986.27	.05	1.4	20	129	0
3,3'-Dichlorobenzidine	0.448	0.457	.05	-2	20	129	0
Chrysene	1.132	1.079	.05	4.7	20	122	0
Bis(2-ethylhexyl)phthalate	0.648	0.778	.05	-20.1*	20	155	0
Perylene-d12	1	1	.05	0	20	144	0
Benzo[b]fluoranthene	1.113	0.982	.05	11.8	20	125	0
Benzo[k]fluoranthene	1.017	0.975	.05	4.1	20	133	0
Benzo[a]pyrene	0.923	0.896	.05	2.9	20	132	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	134	0
Dibenzo[a,h]anthracene	0.913	0.908	.05	0.5	20	135	0
Benzo[g,h,i]perylene	0.963	0.893	.05	7.3	20	130	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:44 am
Operator : SV125:jjw
Sample : WG2010584-3,32,,ICV 10884 (1130a)
Misc : WG2010584,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 07:08:52 2024
Quant Method : I:\8270SIM\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:35 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
2	s	2-Fluorophenol	1.075	0.983	8.6	124	0.00
3	s	Phenol-d6	1.360	1.246	8.4	126	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	887.741	11.2	125	0.00
5	T	n-nitrosodi-n-propylamine	0.775	0.749	3.4	123	0.00
6	t	Hexachloroethane	0.503	0.461	8.3	124	0.00
7	s	Nitrobenzene-d5	1.158	1.122	3.1	124	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	143	0.00
9	t	Naphthalene	1.074	0.966	10.1	133	0.00
10	t	Hexachlorobutadiene	0.220	0.173	21.4#	115	0.00
11	t	2-Methylnaphthalene	0.724	0.661	8.7	132	0.00
12	t	1-Methylnaphthalene	0.677	0.614	9.3	133	0.00
13	s	2-Fluorobiphenyl	0.890	0.744	16.4	123	0.00
14	t	2-Chloronaphthalene	0.758	0.664	12.4	126	0.00
15	t	2,6-Dinitrotoluene	0.173	0.166	4.0	129	0.00
16	t	Acenaphthylene	1.076	1.009	6.2	128	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	142	0.00
18	t	Acenaphthene	1.289	1.136	11.9	131	0.00
19	t	2,4-Dinitrotoluene	0.376	0.378	-0.5	134	0.00
20	t	Fluorene	1.423	1.233	13.4	127	0.00
21	s	2,4,6-Tribromophenol	0.217	0.201	7.4	115	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	140	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	886.851	11.3	125	0.00
24	t	Hexachlorobenzene	0.256	0.203	20.7#	114	0.00
25	t	Pentachlorophenol	*1000.000	888.794	11.1	113	0.00
26	t	Phenanthrene	1.105	0.959	13.2	128	0.00
27	t	Anthracene	1.064	0.974	8.5	127	0.00
28	t	Fluoranthene	1.270	1.120	11.8	125	0.00
29	t	Pyrene	1.342	1.191	11.3	126	0.00
30	s	4-Terphenyl-d14	0.922	0.735	20.3#	117	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	138	0.00
32	t	Benzo[a]anthracene	*1000.000	951.499	4.9	125	0.00
33	t	3,3'-Dichlorobenzidine	0.448	0.453	-1.1	129	0.00
34	t	Chrysene	1.132	1.084	4.2	123	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.648	0.774	-19.4	155	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:44 am
Operator : SV125:jjw
Sample : WG2010584-3,32,,ICV 10884 (1130a)
Misc : WG2010584,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 07:08:52 2024
Quant Method : I:\8270SIM\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:35 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	147	0.00
37	t	Benzo[b]fluoranthene	1.113	0.952	14.5	123	0.00
38	t	Benzo[k]fluoranthene	1.017	0.952	6.4	132	0.00
39	t	Benzo[a]pyrene	0.923	0.873	5.4	130	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.991	0.960	3.1	136	0.00
41	t	Dibenzo[a,h]anthracene	0.913	0.917	-0.4	139	0.00
42	t	Benzo[g,h,i]perylene	0.963	0.907	5.8	134	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:44 am
Operator : SV125:jjw
Sample : WG2010584-3,32,,ICV 10884 (1130a)
Misc : WG2010584,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 07:08:52 2024
Quant Method : I:\8270SIM\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.214	152	935616	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.887	136	3556436	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.873	164	2260492	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.722	188	4537937	4000.000	ng/ml	0.00
31) Chrysene-d12	6.285	240	4704311	4000.000	ng/ml	0.00
36) Perylene-d12	7.484	264	5636689	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.624	112	229984	914.824	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.74%			
3) Phenol-d6	2.034	99	291477	916.062	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.80%			
7) Nitrobenzene-d5	2.501	82	262425	968.729	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.87%			
13) 2-Fluorobiphenyl	3.488	172	661748	836.439	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.64%			
21) 2,4,6-Tribromophenol	4.322	330	113314	924.236	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.21%			
30) 4-Terphenyl-d14	5.643	244	833841	796.940	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.69%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.080	93	234256	887.741	ng/ml	98
5) n-nitrosodi-n-propylamine	2.421	70	175094	966.351	ng/ml	93
6) Hexachloroethane	2.476	117	107838	916.873	ng/ml	93
9) Naphthalene	2.896	128	858471	898.904	ng/ml	100
10) Hexachlorobutadiene	2.970	225	153545	786.375	ng/ml	100
11) 2-Methylnaphthalene	3.281	142	588006	913.204	ng/ml	100
12) 1-Methylnaphthalene	3.336	142	546108	907.867	ng/ml	100
14) 2-Chloronaphthalene	3.555	162	589973	874.906	ng/ml	98
15) 2,6-Dinitrotoluene	3.754	165	147457	957.539	ng/ml	95
16) Acenaphthylene	3.791	152	896869	937.061	ng/ml	99
18) Acenaphthene	3.888	153	641784	880.810	ng/ml	93
19) 2,4-Dinitrotoluene	3.983	165	213391	1003.674	ng/ml	95
20) Fluorene	4.182	166	696902	866.333	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.218	198	124295	886.851	ng/ml	94
24) Hexachlorobenzene	4.506	284	230386	791.769	ng/ml	95
25) Pentachlorophenol	4.619	266	122269	888.794	ng/ml	100
26) Phenanthrene	4.734	178	1087511	867.137	ng/ml	100
27) Anthracene	4.762	178	1105237	915.225	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:44 am
Operator : SV125:jjw
Sample : WG2010584-3,32,,ICV 10884 (1130a)
Misc : WG2010584,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 07:08:52 2024
Quant Method : I:\8270SIM\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.419	202	1270856	882.287	ng/ml	96
29) Pyrene	5.550	202	1351486	887.852	ng/ml	99
32) Benzo[a]anthracene	6.275	228	1358648	951.499	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.262	252	532579	1009.963	ng/ml#	99
34) Chrysene	6.298	228	1275308	957.727	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.298	149	910649	1195.273	ng/ml	100
37) Benzo[b]fluoranthene	7.112	252	1341693	855.405	ng/ml	100
38) Benzo[k]fluoranthene	7.135	252	1341651	935.974	ng/ml	100
39) Benzo[a]pyrene	7.418	252	1229941	945.476	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.691	276	1352240	967.894	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.723	278	1291991M6	1003.986	ng/ml	
42) Benzo[g,h,i]perylene	9.025	276	1278547	941.879	ng/ml#	87

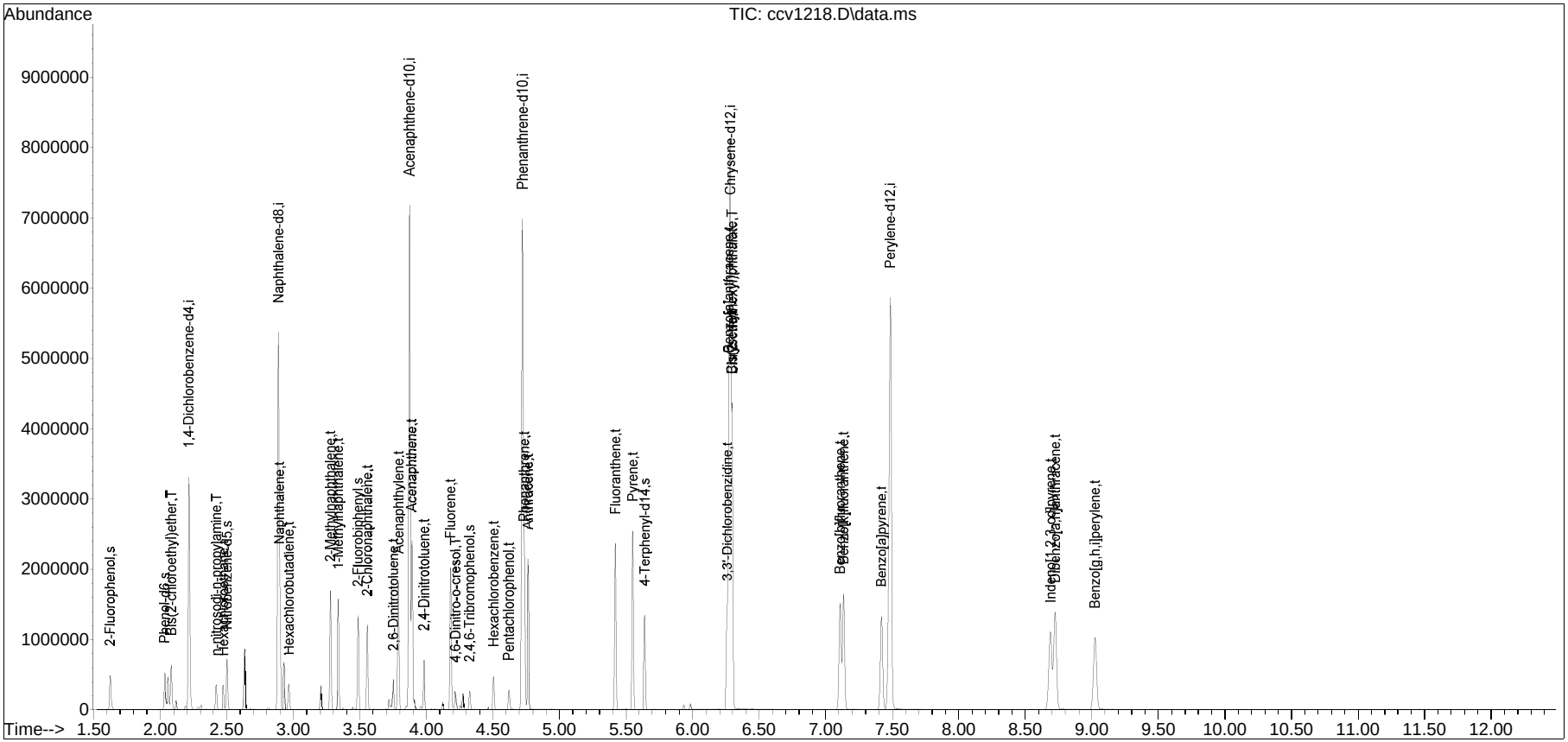
(#) = qualifier out of range (m) = manual integration (+) = signals summed

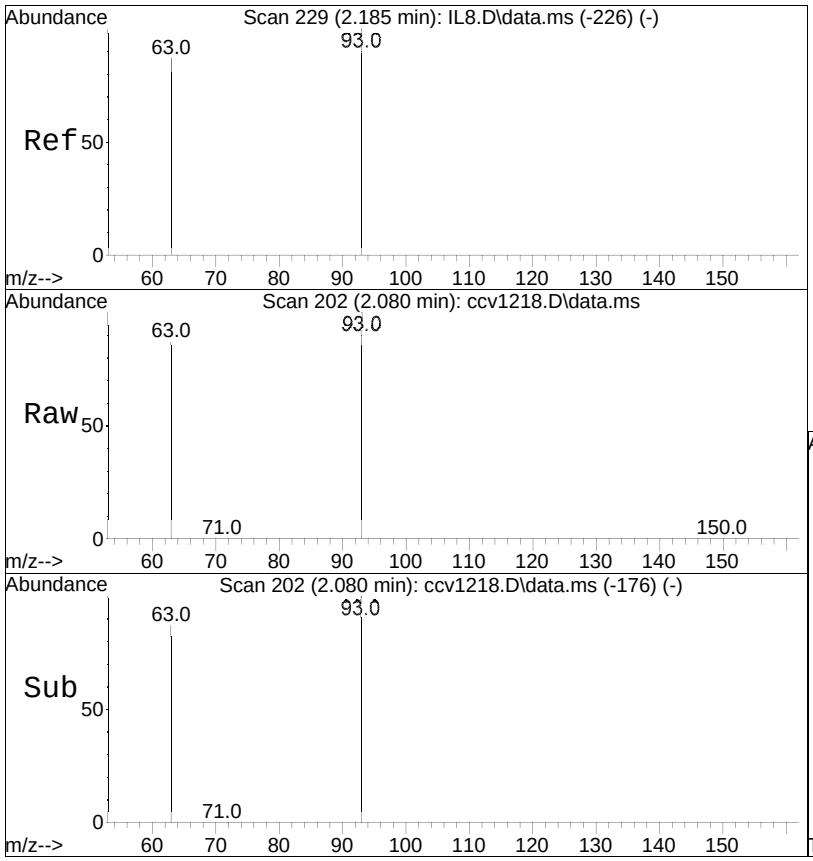
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : ccv1218.D
Acq On : 18 Dec 2024 06:44 am
Operator : SV125:jjw
Sample : WG2010584-3,32,,ICV 10884 (1130a)
Misc : WG2010584,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 18 07:08:52 2024
Quant Method : I:\8270SIM\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

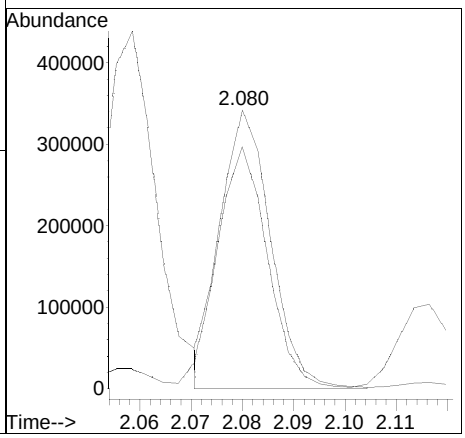


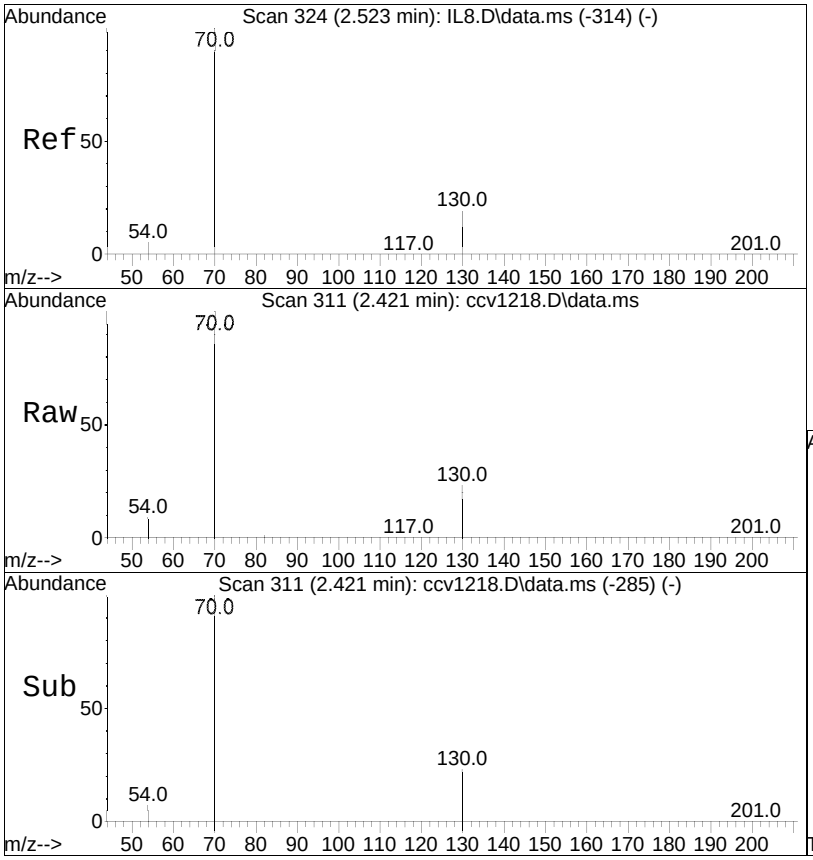


#4
Bis(2-chloroethyl)ether
Concen: 887.74 ng/ml
RT: 2.080 min Scan# 202
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion: 93 Resp: 234256

Ion	Ratio	Lower	Upper
93	100		
63	87.0	71.2	106.8

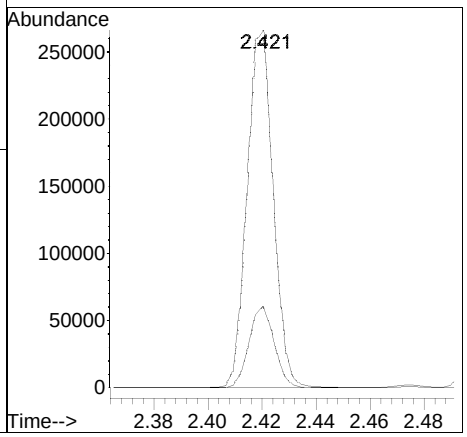


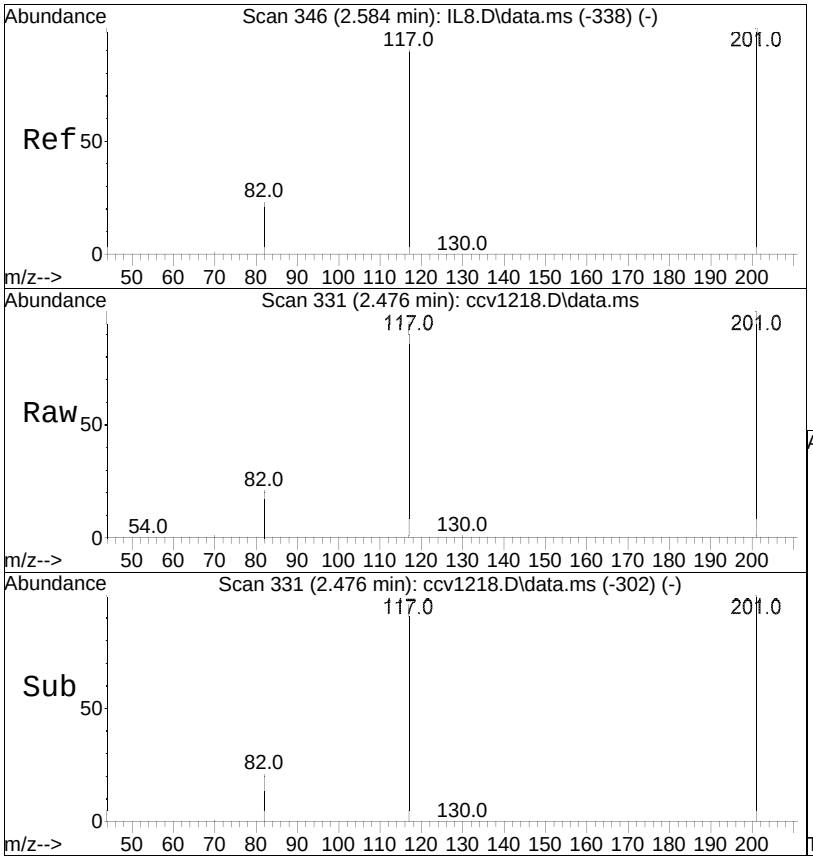


#5
n-nitrosodi-n-propylamine
Concen: 966.35 ng/ml
RT: 2.421 min Scan# 311
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion: 70 Resp: 175094

Ion	Ratio	Lower	Upper
70	100		
130	22.1	15.0	22.6

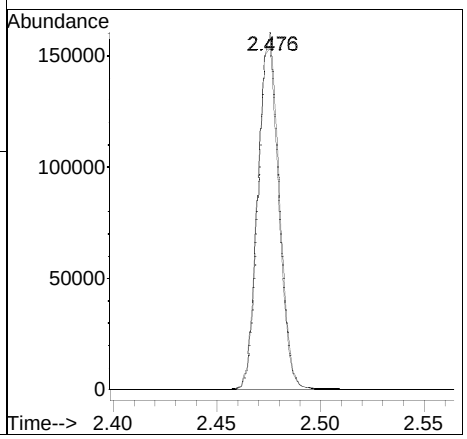


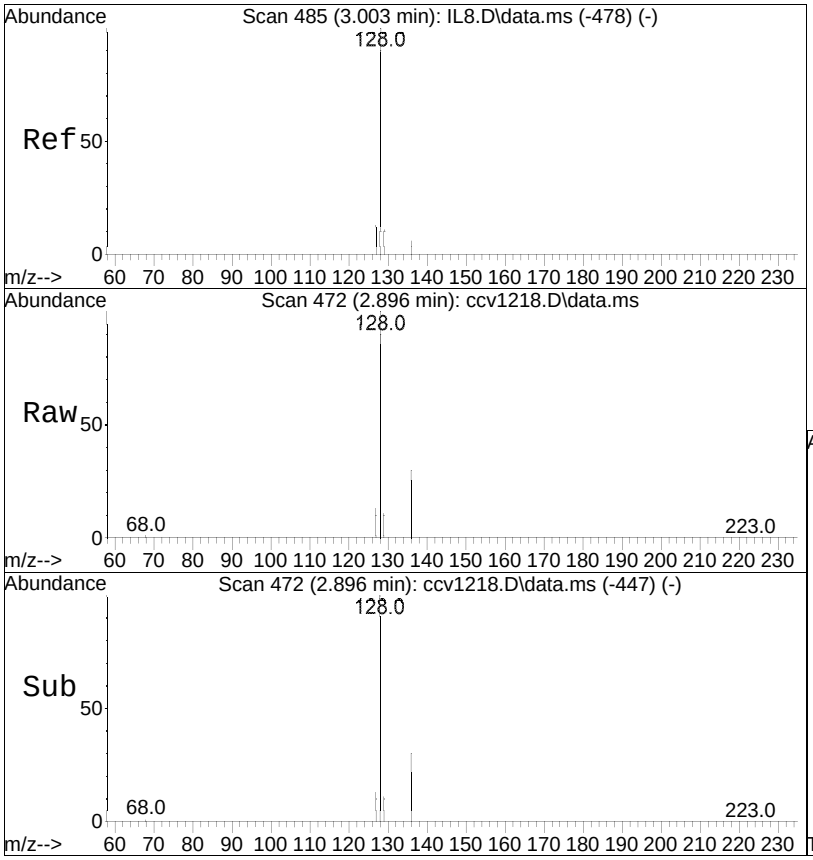


#6
Hexachloroethane
Concen: 916.87 ng/ml
RT: 2.476 min Scan# 331
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:117 Resp: 107838

Ion	Ratio	Lower	Upper
117	100		
201	102.5	88.0	132.0

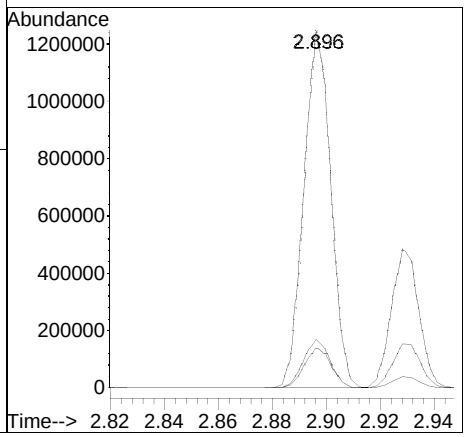


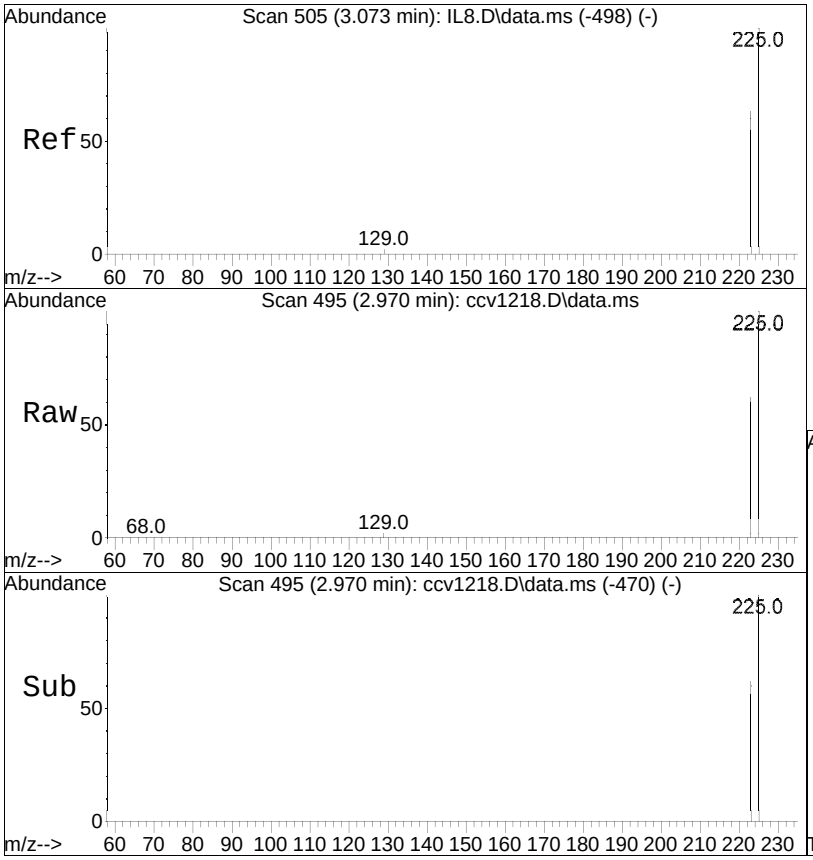


#9
Naphthalene
Concen: 898.90 ng/ml
RT: 2.896 min Scan# 472
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:128 Resp: 858471

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.9	16.3

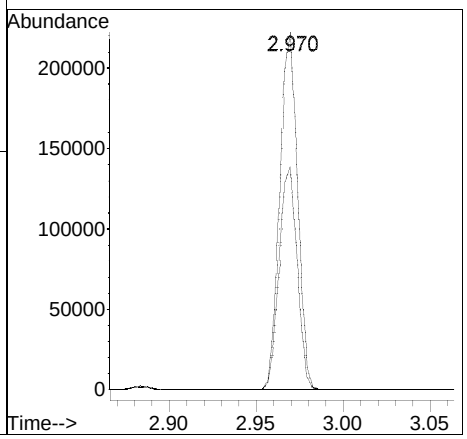


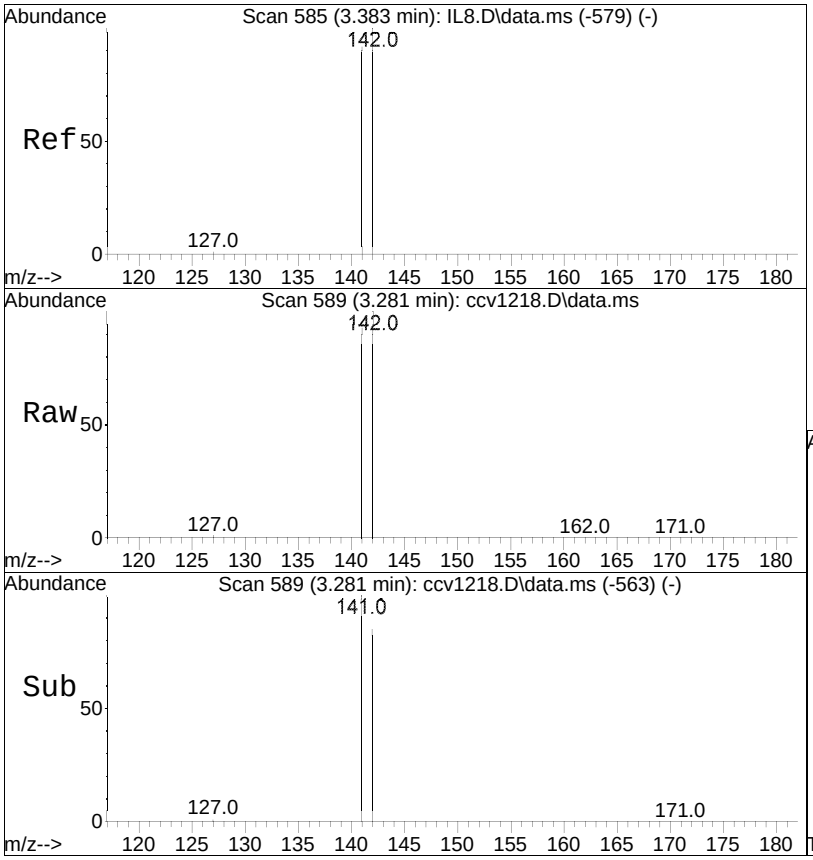


#10
Hexachlorobutadiene
Concen: 786.37 ng/ml
RT: 2.970 min Scan# 495
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:225 Resp: 153545

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5

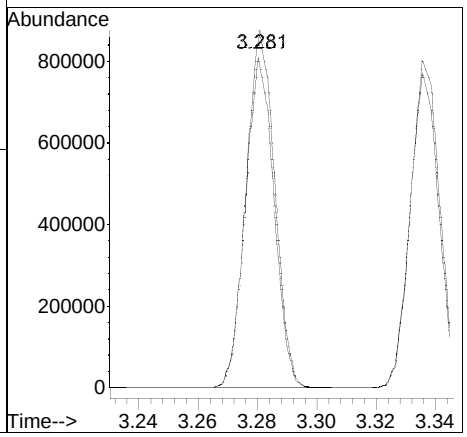


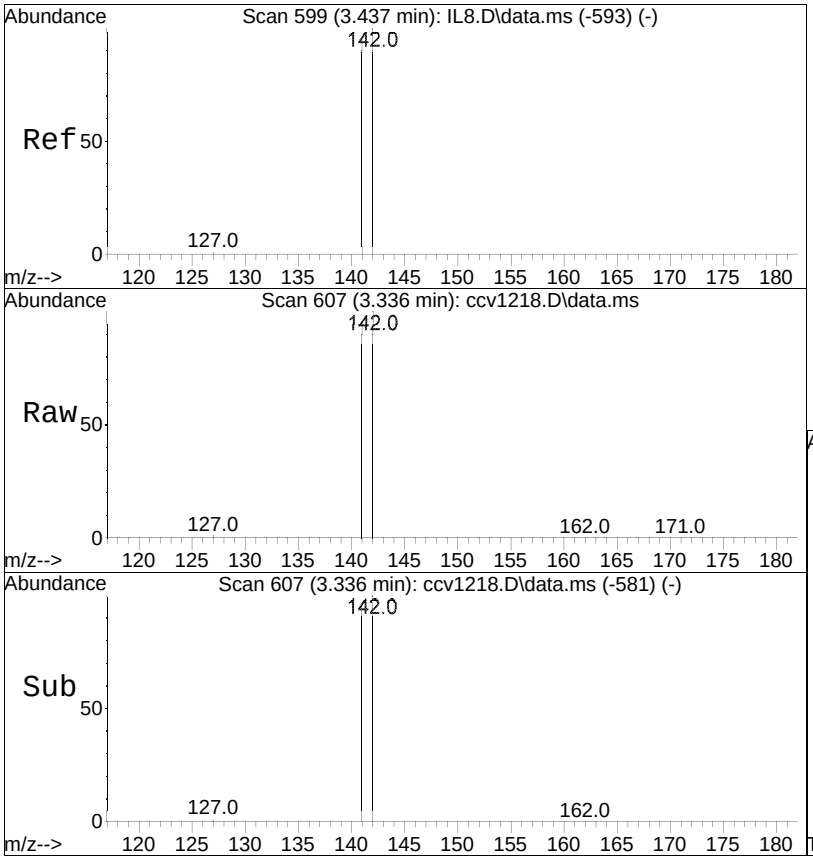


#11
2-Methylnaphthalene
Concen: 913.20 ng/ml
RT: 3.281 min Scan# 589
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:142 Resp: 588006

Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.0	111.0

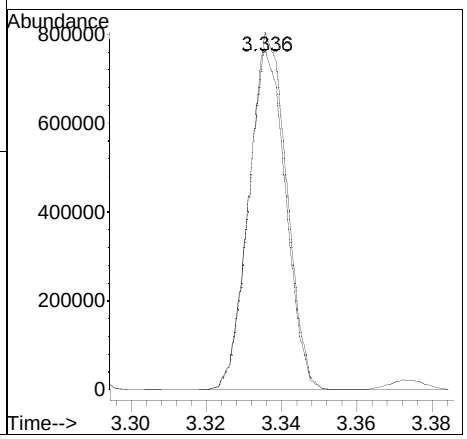


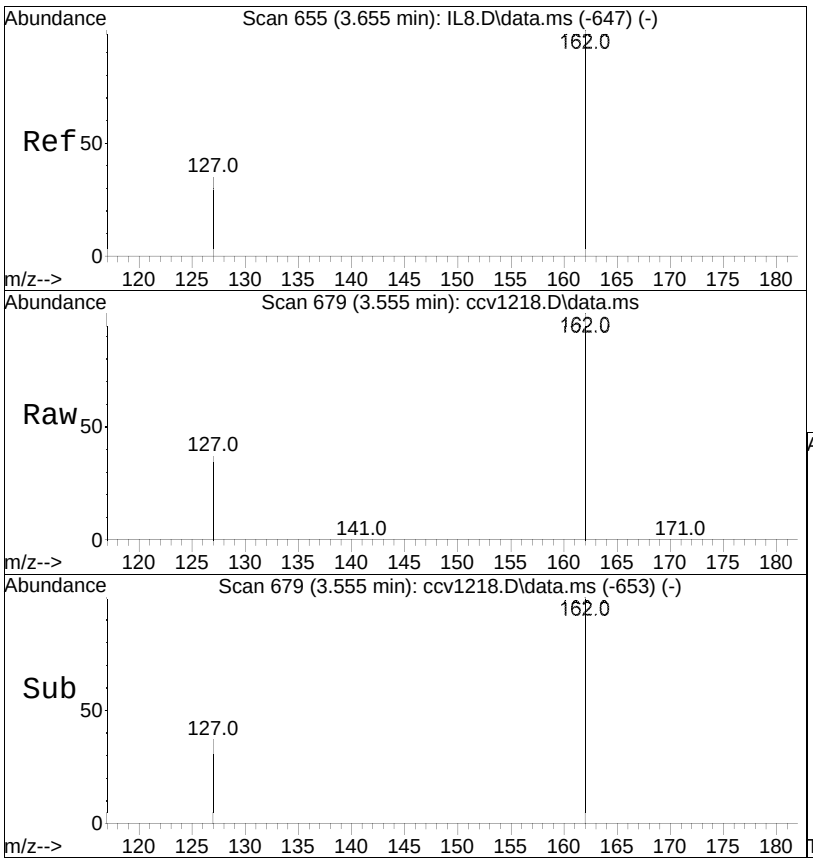


#12
1-Methylnaphthalene
Concen: 907.87 ng/ml
RT: 3.336 min Scan# 607
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:142 Resp: 546108

Ion	Ratio	Lower	Upper
142	100		
141	95.1	76.5	114.7

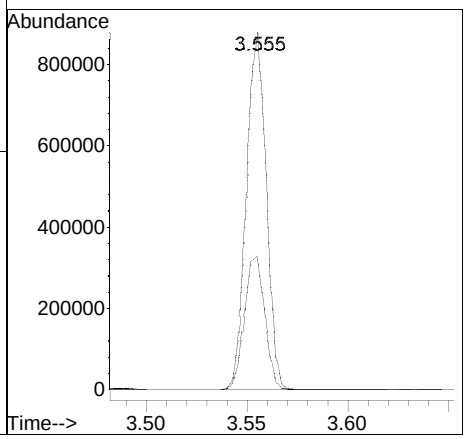


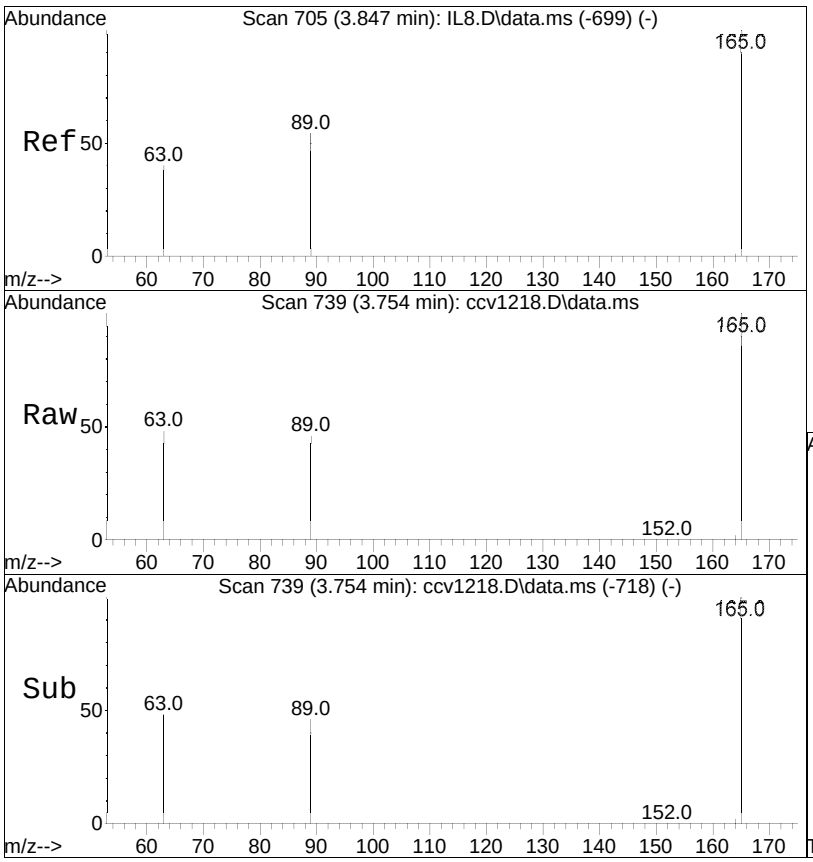


#14
2-Chloronaphthalene
Concen: 874.91 ng/ml
RT: 3.555 min Scan# 679
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:162 Resp: 589973

Ion	Ratio	Lower	Upper
162	100		
127	38.7	30.1	45.1

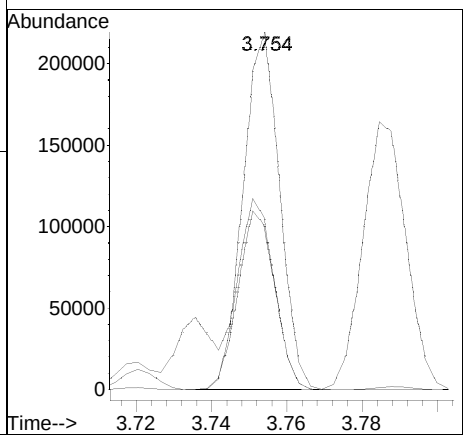


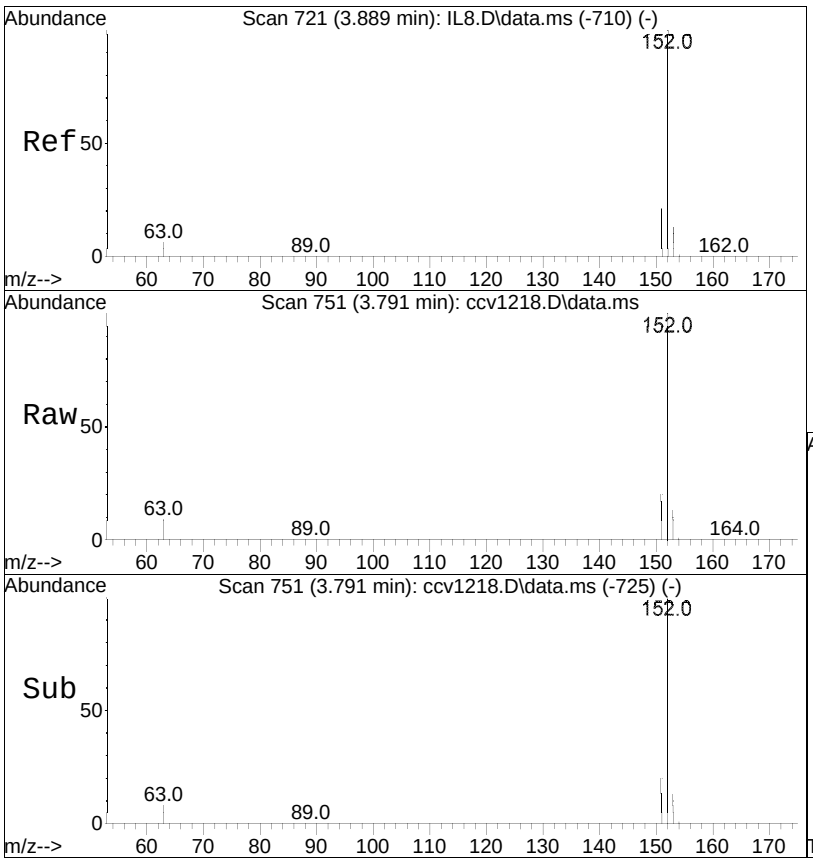


#15
2,6-Dinitrotoluene
Concen: 957.54 ng/ml
RT: 3.754 min Scan# 739
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:165 Resp: 147457

Ion	Ratio	Lower	Upper
165	100		
89	50.7	43.6	65.4
63	53.2	45.9	68.9

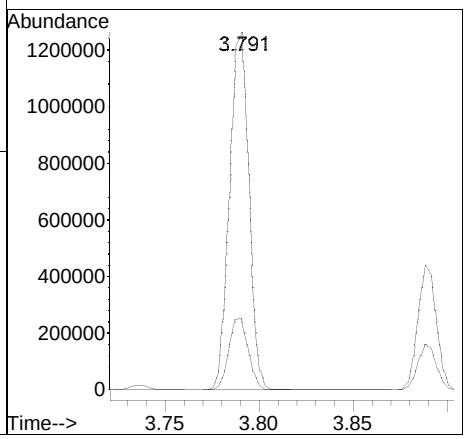


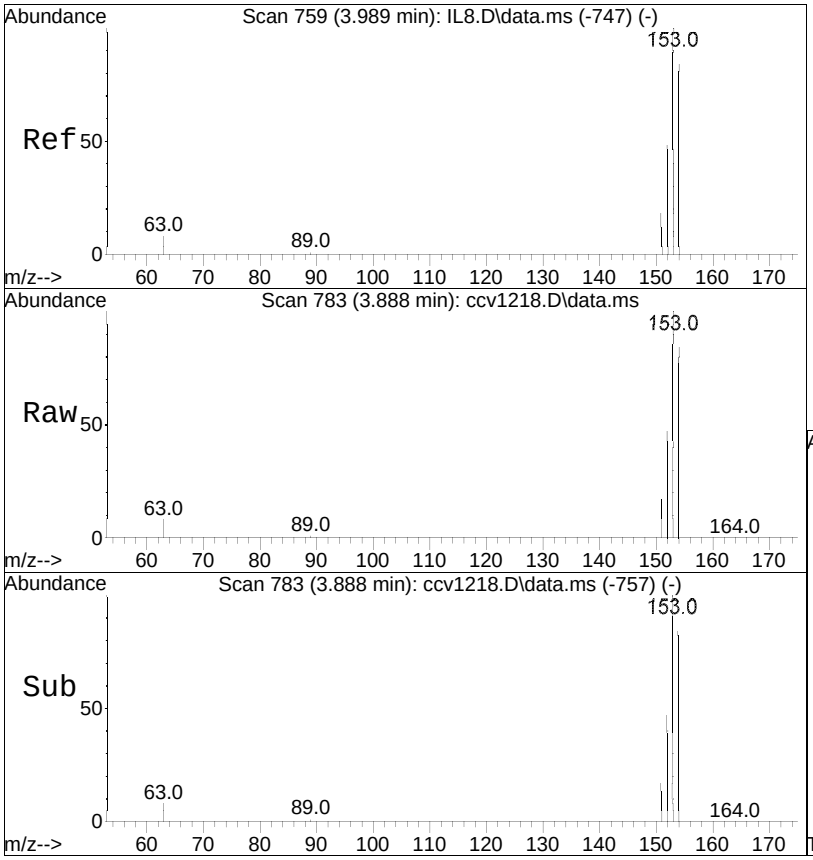


#16
Acenaphthylene
Concen: 937.06 ng/ml
RT: 3.791 min Scan# 751
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:152 Resp: 896869

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7

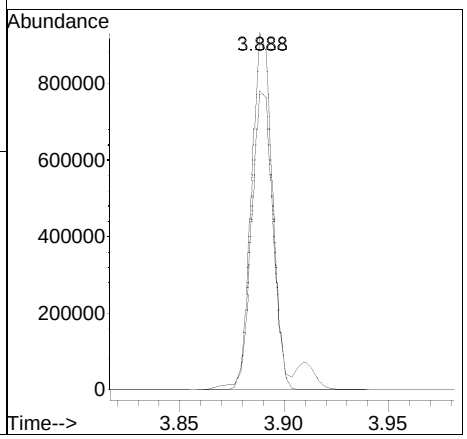


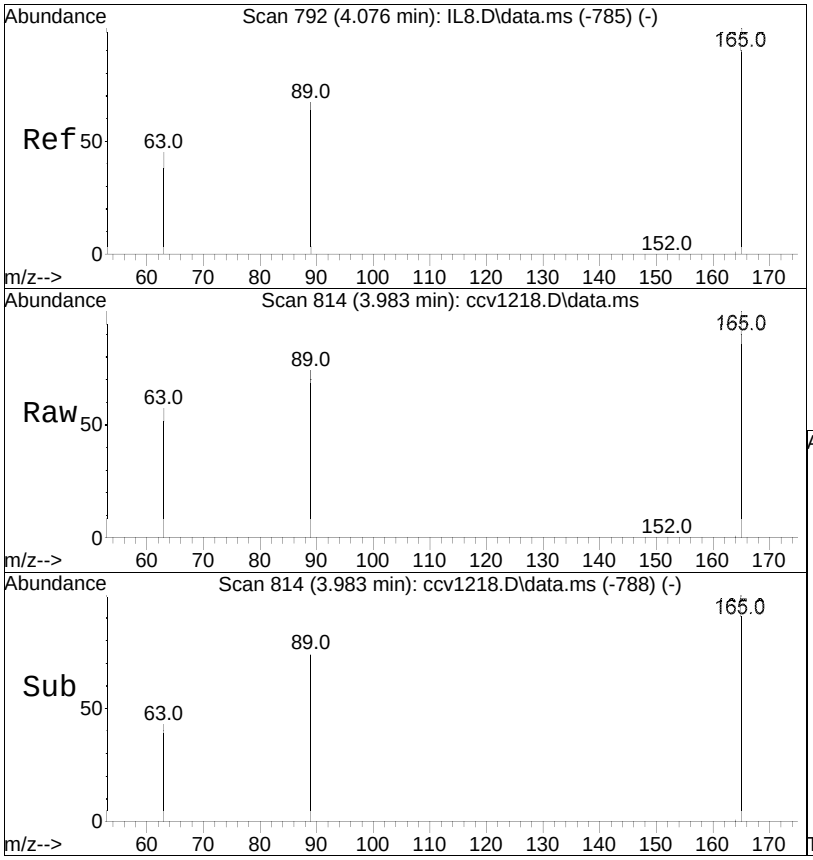


#18
Acenaphthene
Concen: 880.81 ng/ml
RT: 3.888 min Scan# 783
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:153 Resp: 641784

Ion	Ratio	Lower	Upper
153	100		
154	86.9	74.9	112.3

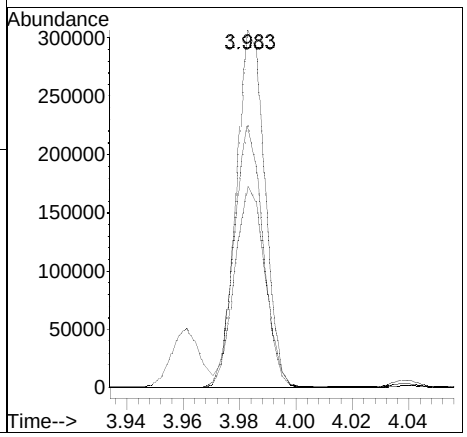


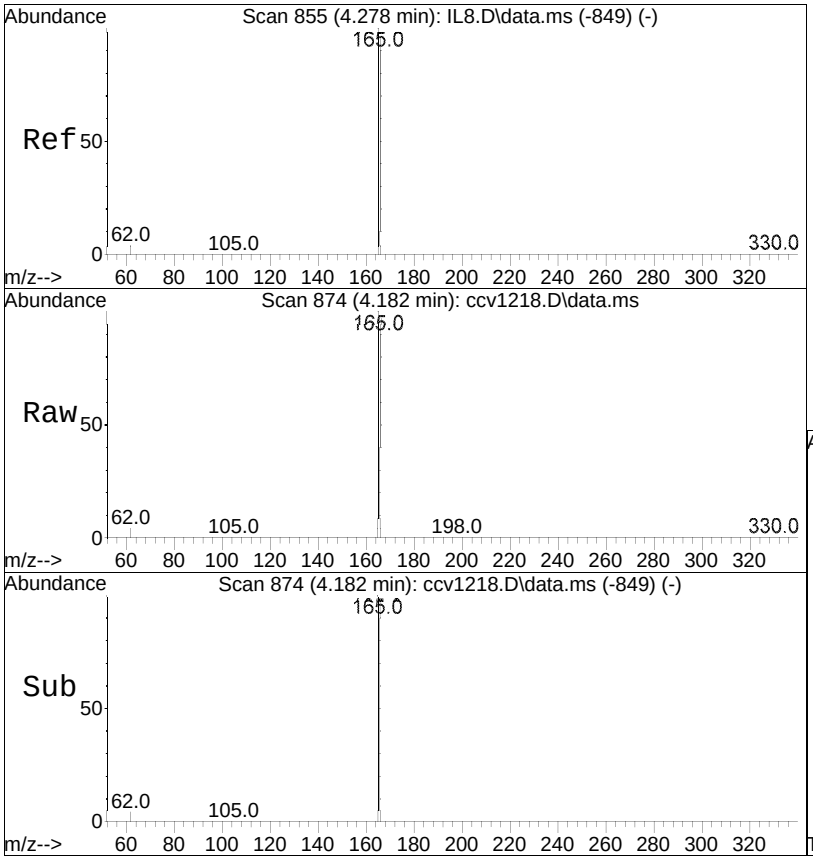


#19
2,4-Dinitrotoluene
Concen: 1003.67 ng/ml
RT: 3.983 min Scan# 814
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:165 Resp: 213391

Ion	Ratio	Lower	Upper
165	100		
89	74.4	62.9	94.3
63	60.3	52.2	78.4

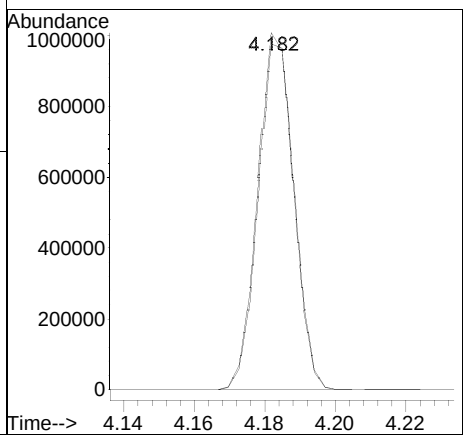


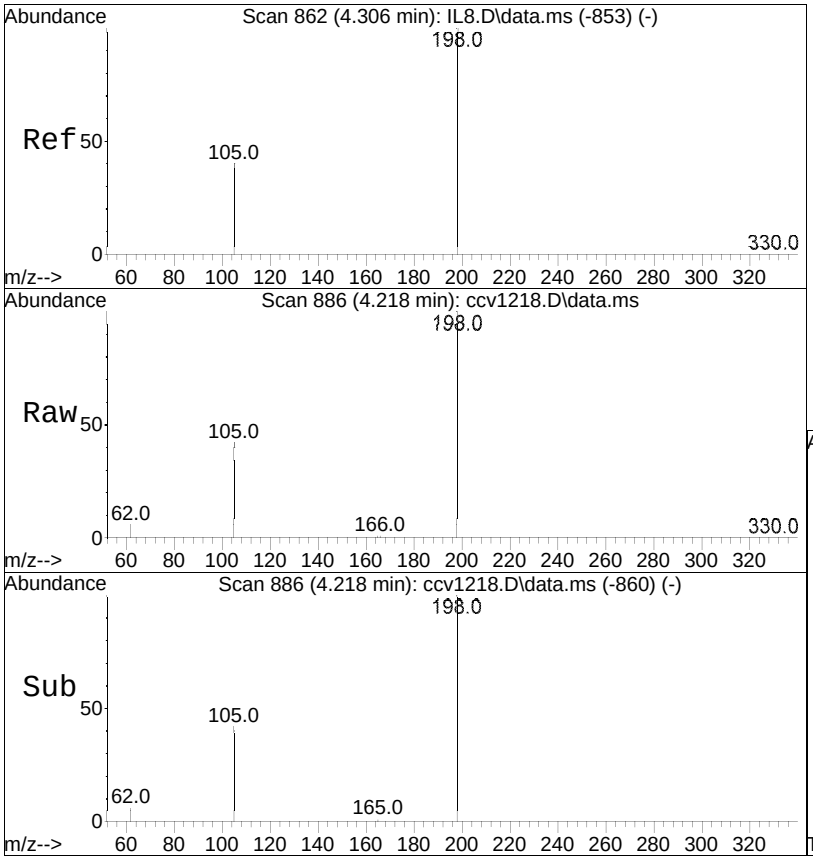


#20
Fluorene
Concen: 866.33 ng/ml
RT: 4.182 min Scan# 874
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:166 Resp: 696902

Ion	Ratio	Lower	Upper
166	100		
165	101.6	82.2	123.4

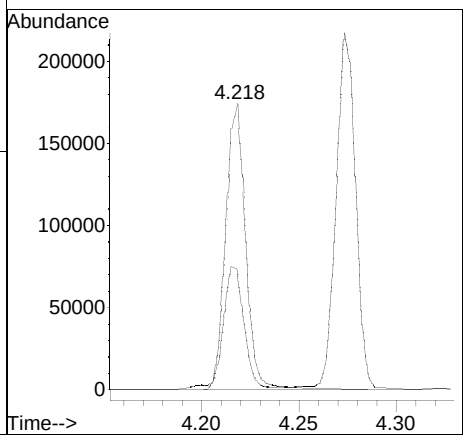


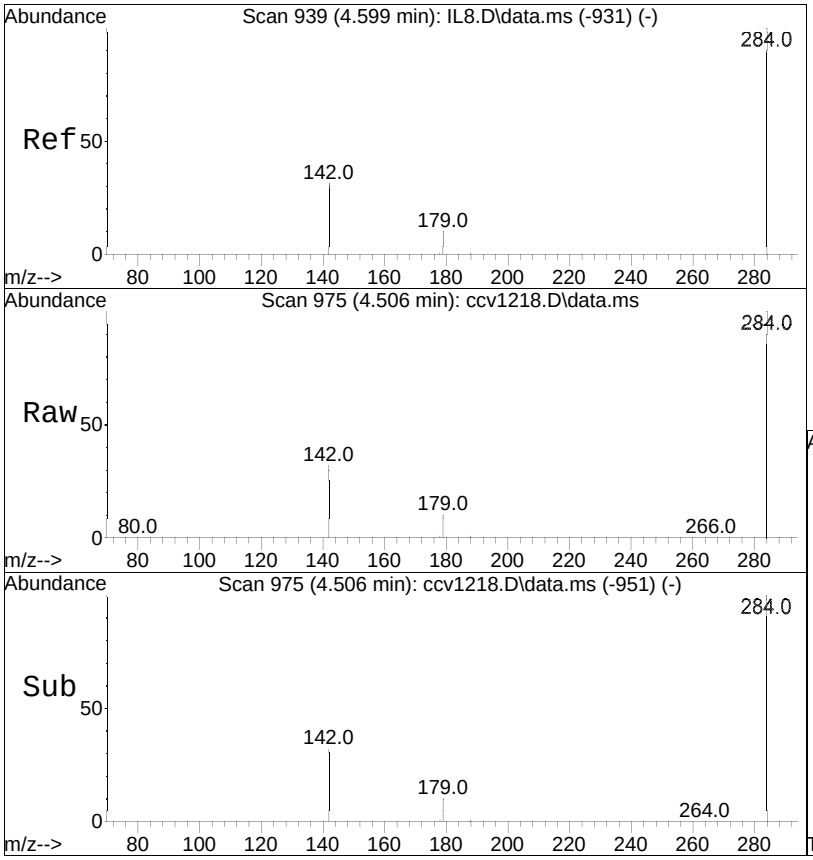


#23
4,6-Dinitro-o-cresol
Concen: 886.85 ng/ml
RT: 4.218 min Scan# 886
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:198 Resp: 124295

Ion	Ratio	Lower	Upper
198	100		
105	45.2	33.1	49.7

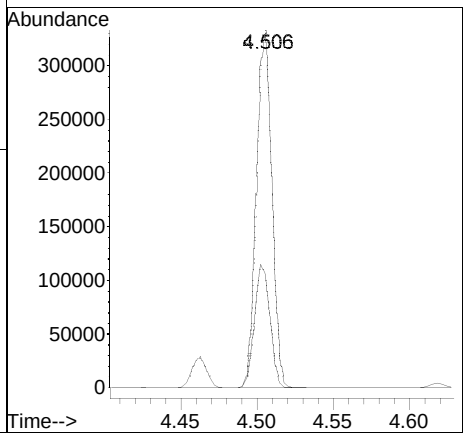


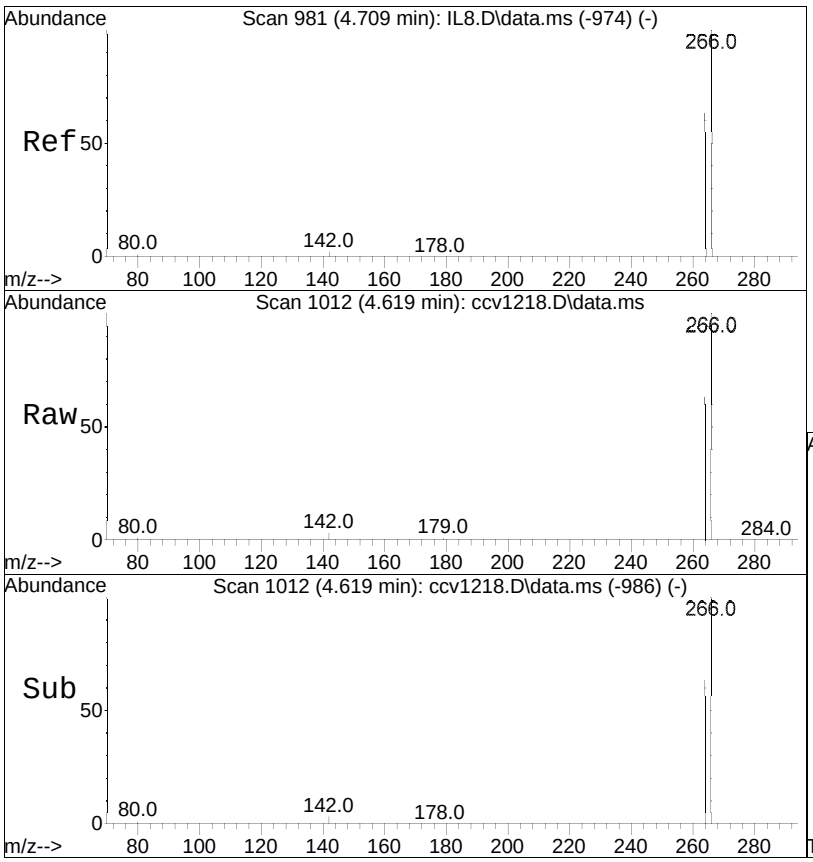


#24
Hexachlorobenzene
Concen: 791.77 ng/ml
RT: 4.506 min Scan# 975
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:284 Resp: 230386

Ion	Ratio	Lower	Upper
284	100		
142	34.6	25.4	38.0

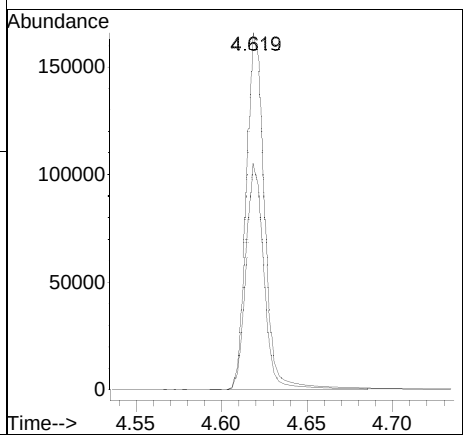


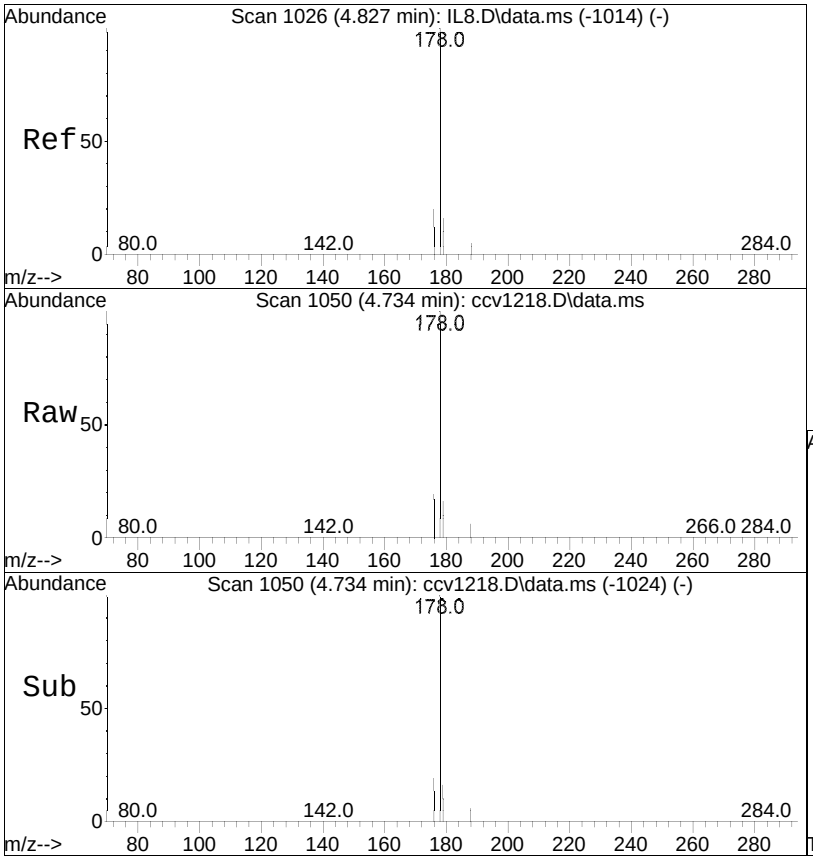


#25
Pentachlorophenol
Concen: 888.79 ng/ml
RT: 4.619 min Scan# 1012
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:266 Resp: 122269

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.6	76.0

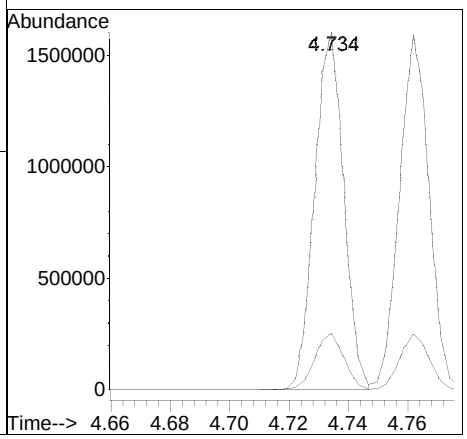


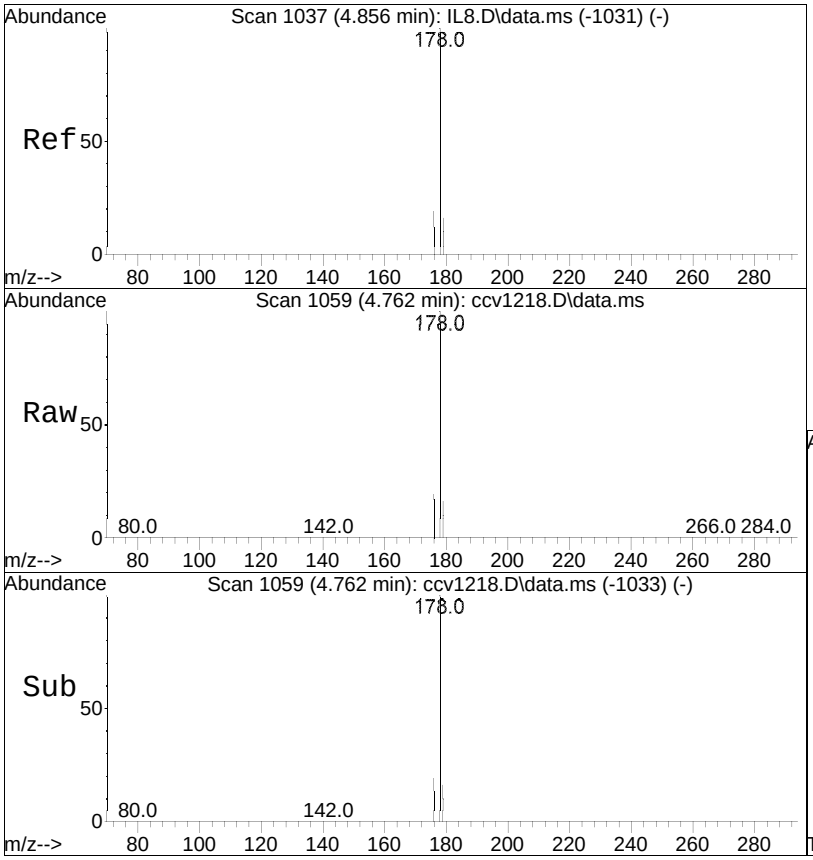


#26
Phenanthrene
Concen: 867.14 ng/ml
RT: 4.734 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:178 Resp: 1087511

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

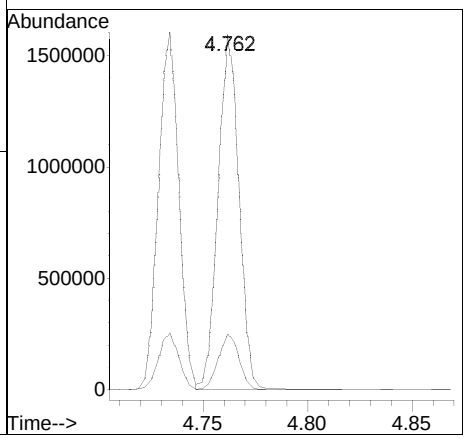


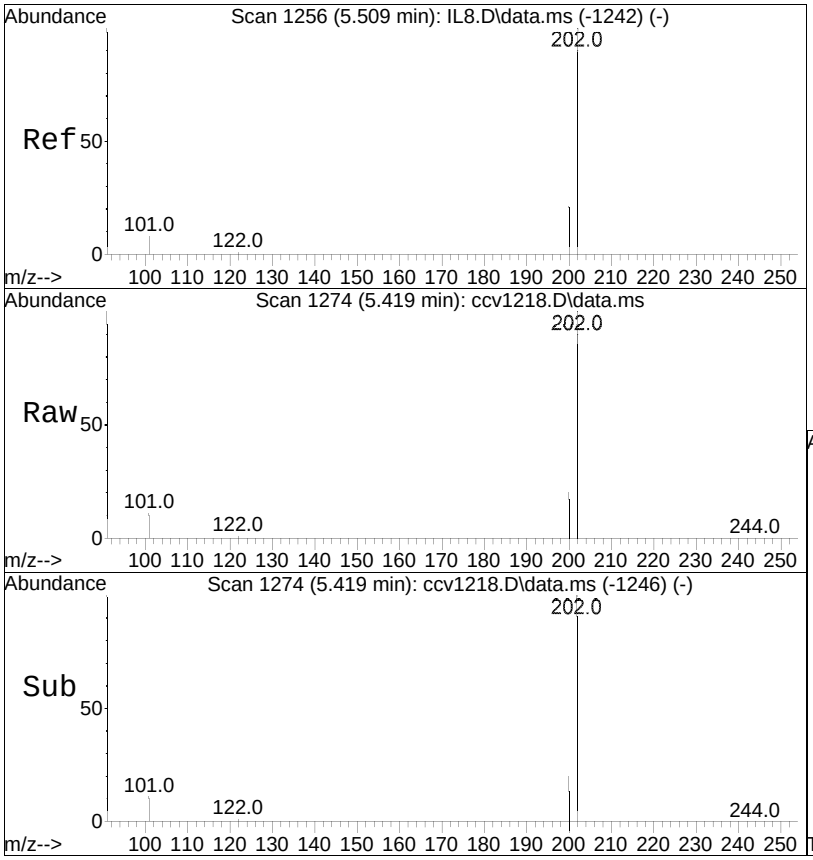


#27
Anthracene
Concen: 915.23 ng/ml
RT: 4.762 min Scan# 1059
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:178 Resp: 1105237

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

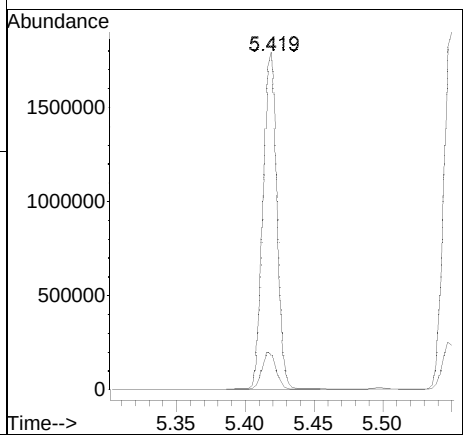


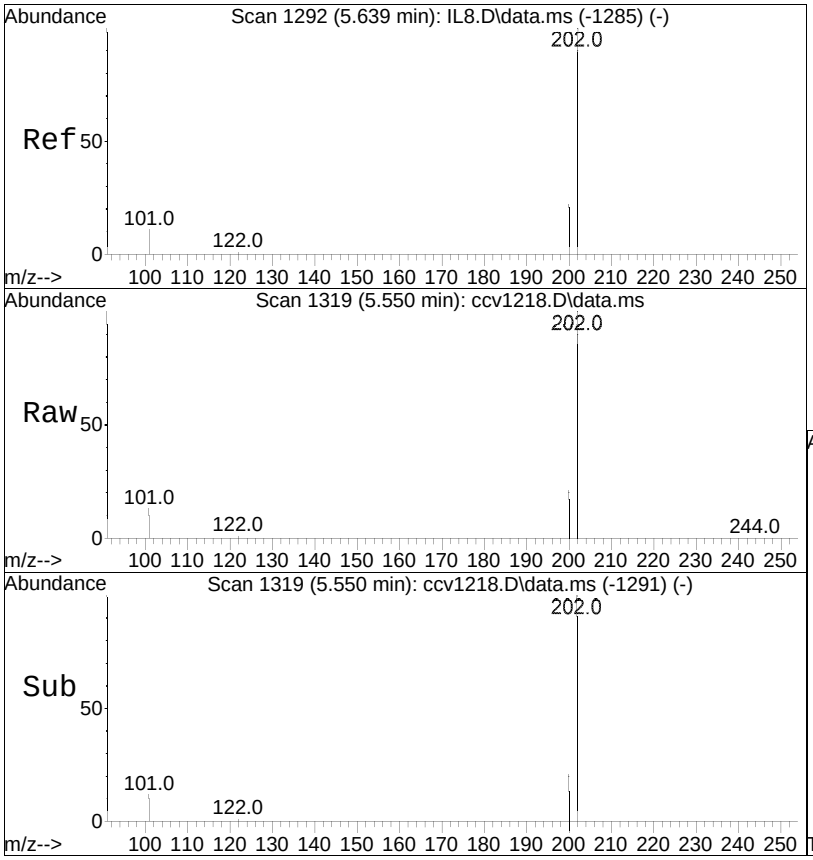


#28
Fluoranthene
Concen: 882.29 ng/ml
RT: 5.419 min Scan# 1274
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:202 Resp: 1270856

Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.7	11.5

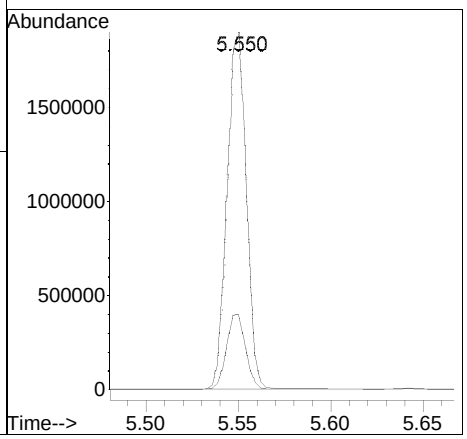


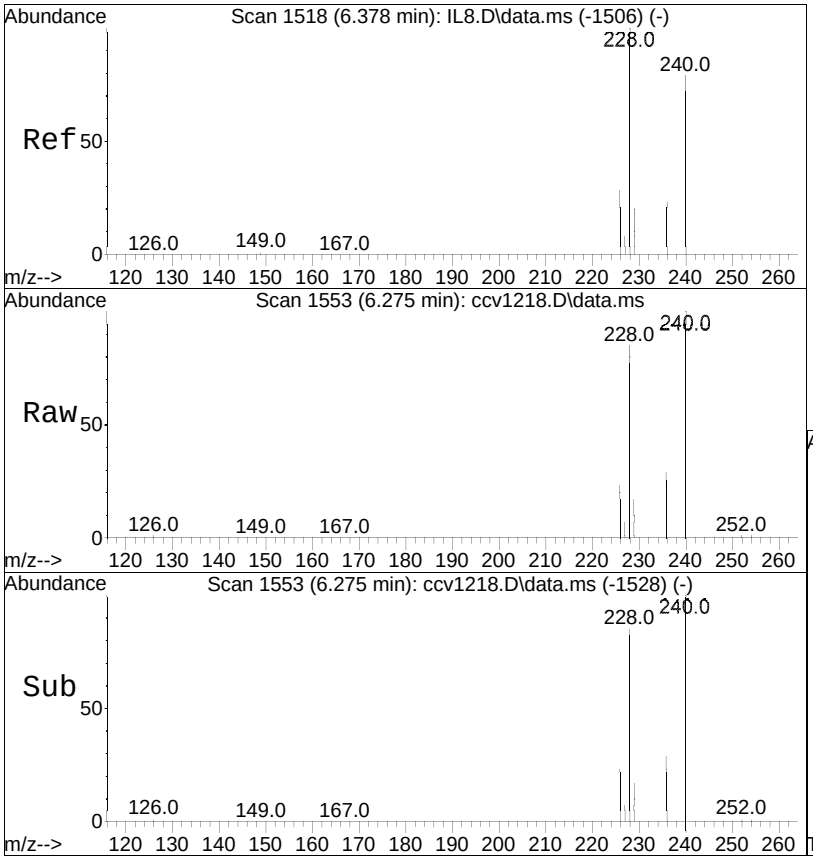


#29
Pyrene
Concen: 887.85 ng/ml
RT: 5.550 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:202 Resp: 1351486

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9

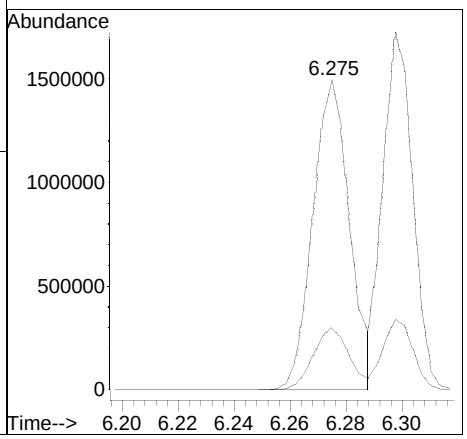


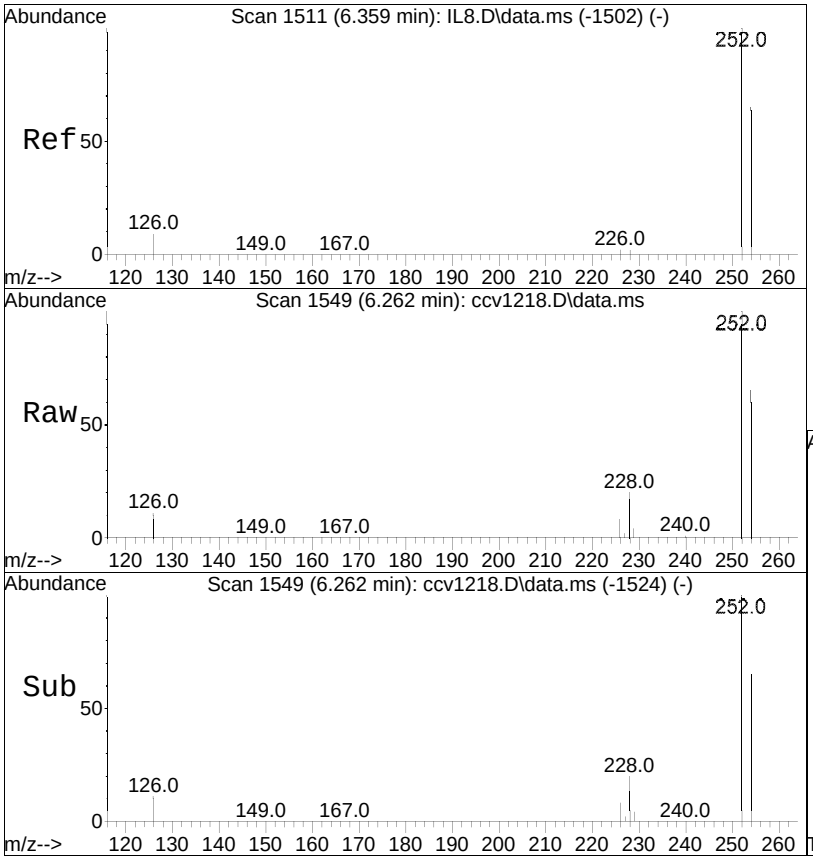


#32
Benzo[a]anthracene
Concen: 951.50 ng/ml
RT: 6.275 min Scan# 1553
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:228 Resp: 1358648

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9

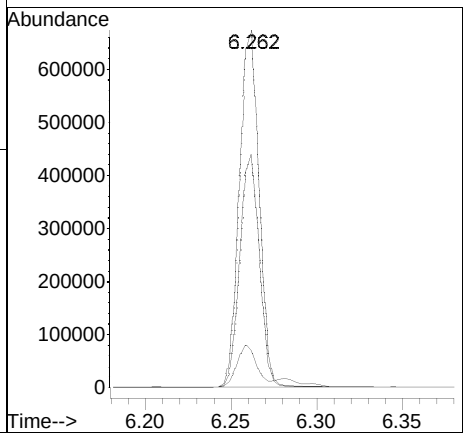


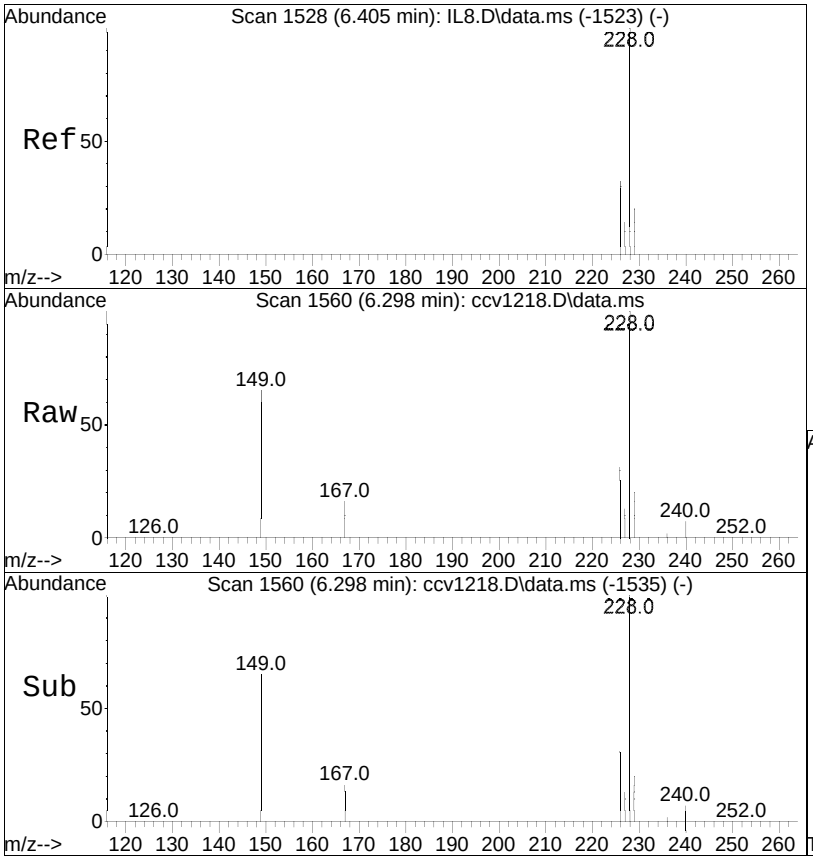


#33
3,3'-Dichlorobenzidine
Concen: 1009.96 ng/ml
RT: 6.262 min Scan# 1549
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:252 Resp: 532579

Ion	Ratio	Lower	Upper
252	100		
126	12.5	7.8	11.8#
254	64.7	51.8	77.8

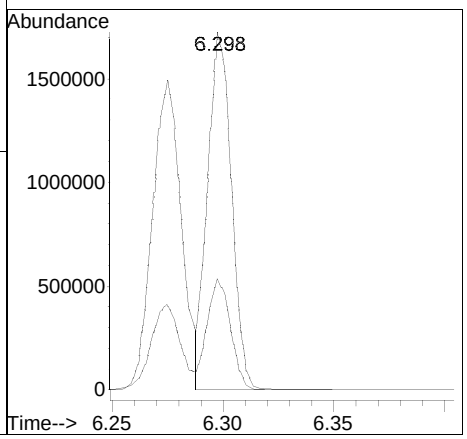


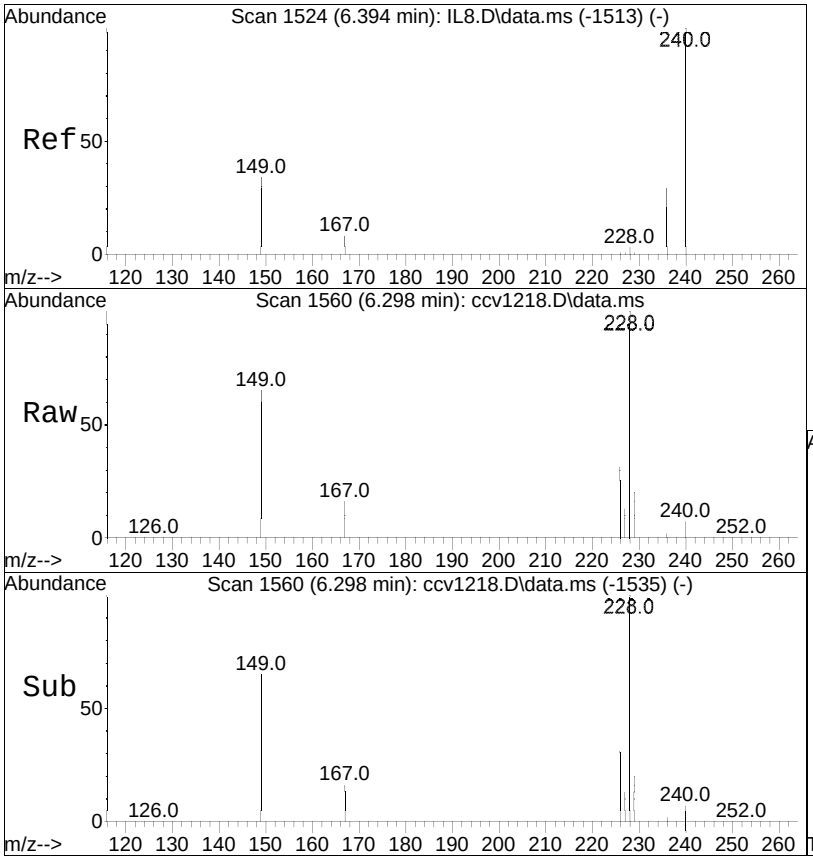


#34
Chrysene
Concen: 957.73 ng/ml
RT: 6.298 min Scan# 1560
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:228 Resp: 1275308

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6

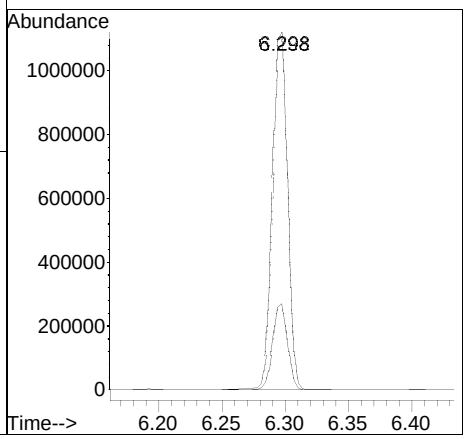


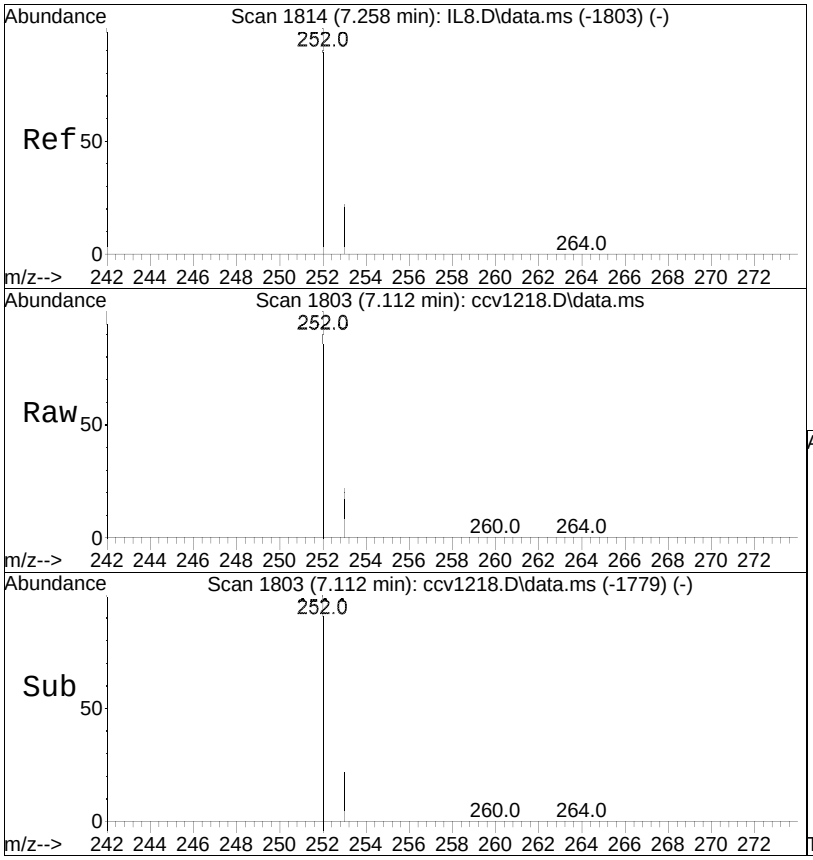


#35
Bis(2-ethylhexyl)phthalate
Concen: 1195.27 ng/ml
RT: 6.298 min Scan# 1560
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:149 Resp: 910649

Ion	Ratio	Lower	Upper
149	100		
167	23.8	19.0	28.4

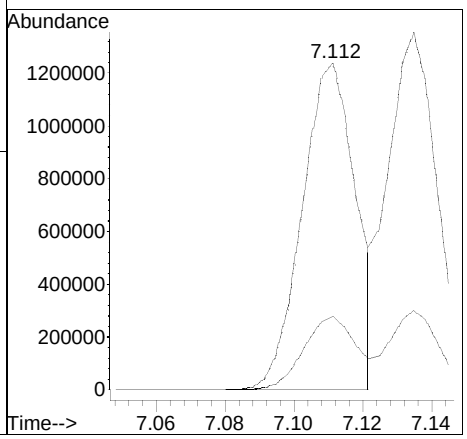


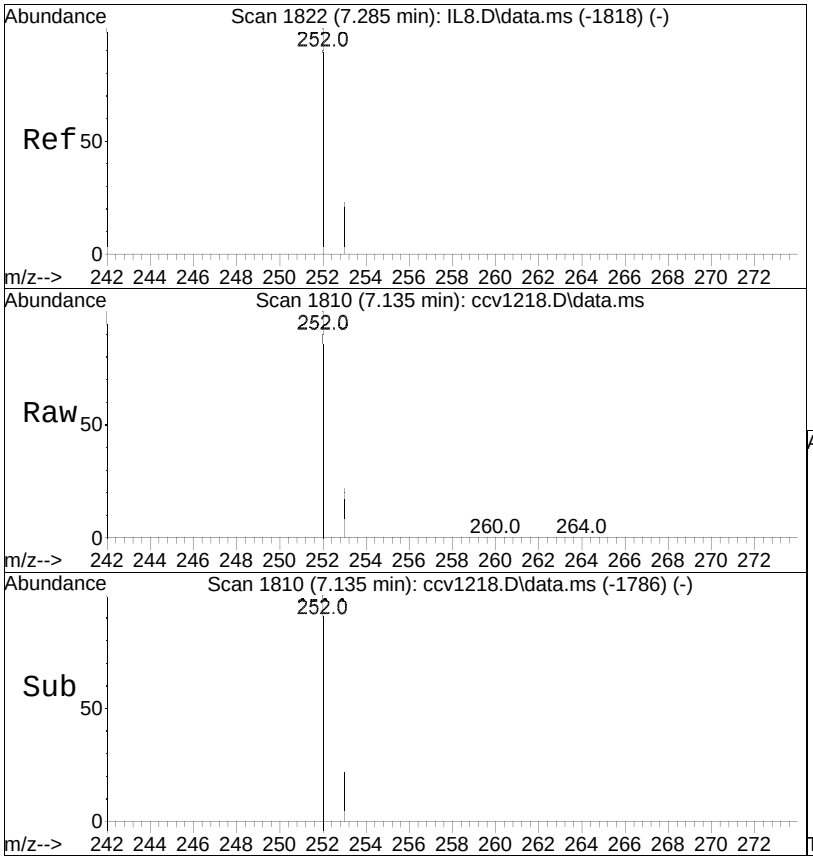


#37
Benzo[b]fluoranthene
Concen: 855.41 ng/ml
RT: 7.112 min Scan# 1803
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:252 Resp: 1341693

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

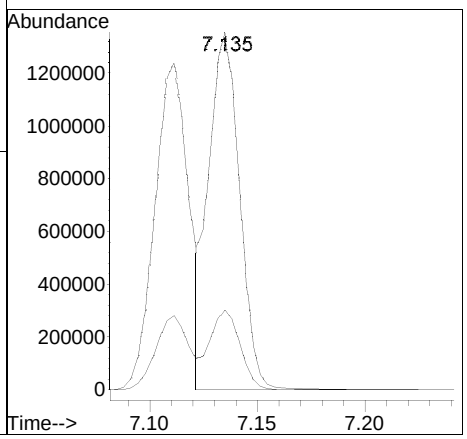


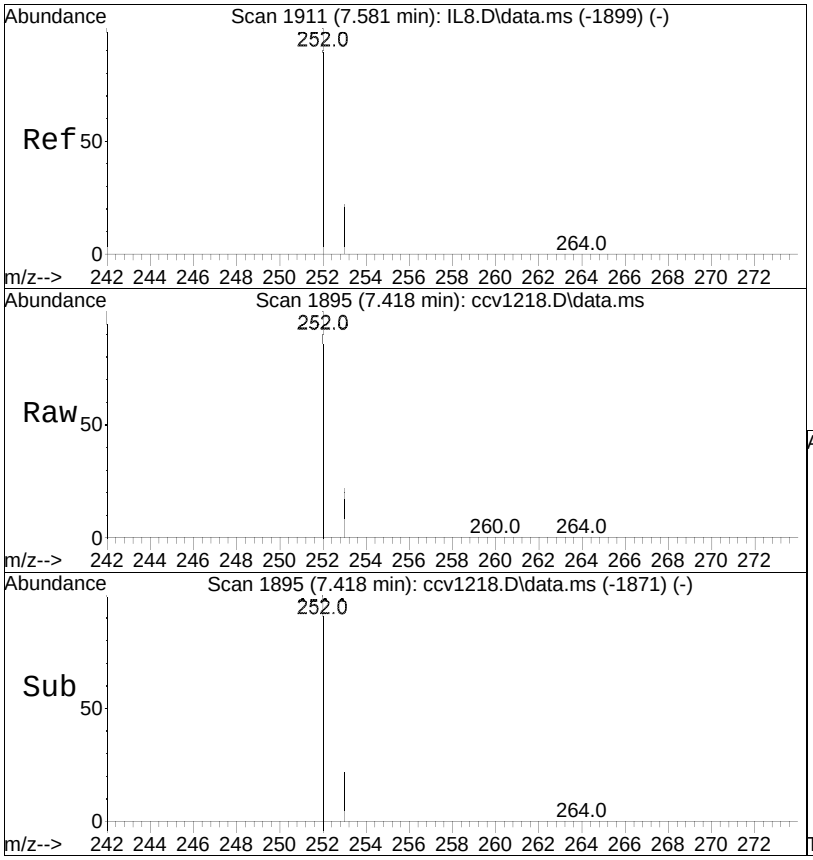


#38
Benzo[k]fluoranthene
Concen: 935.97 ng/ml
RT: 7.135 min Scan# 1810
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:252 Resp: 1341651

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8

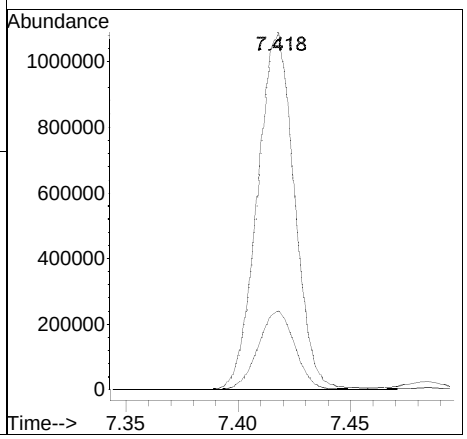


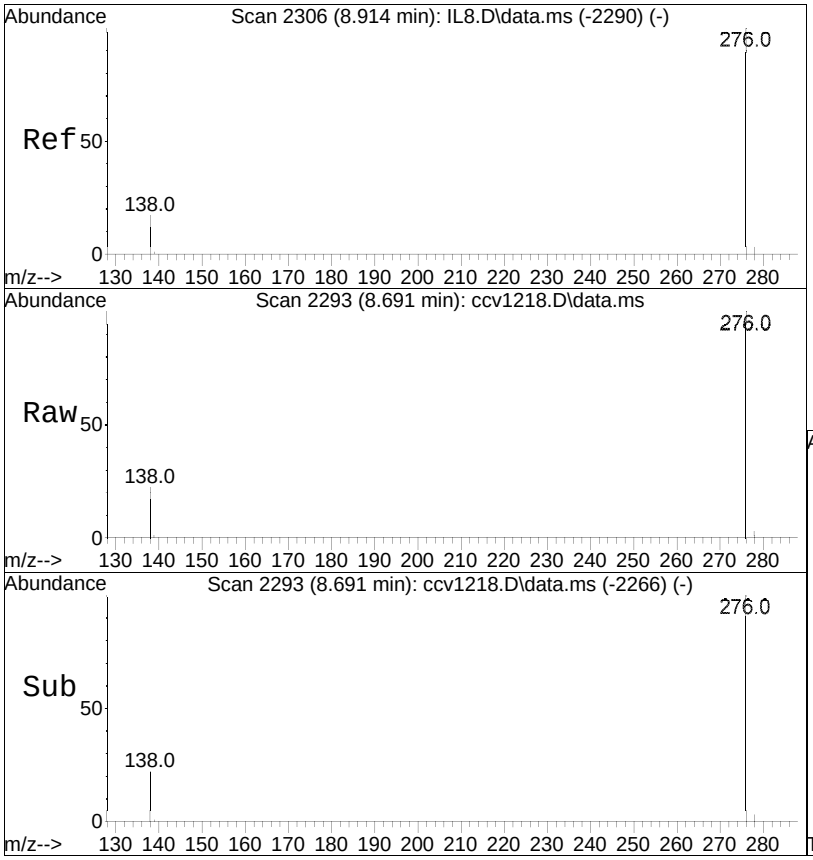


#39
Benzo[a]pyrene
Concen: 945.48 ng/ml
RT: 7.418 min Scan# 1895
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:252 Resp: 1229941

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3

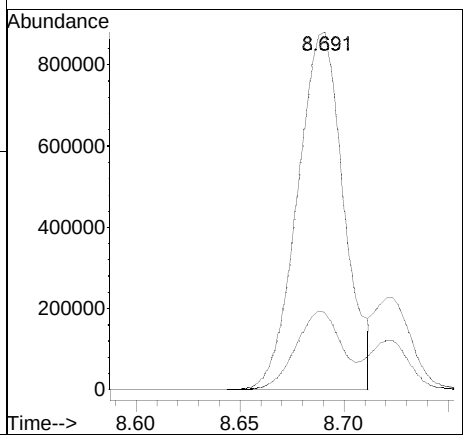


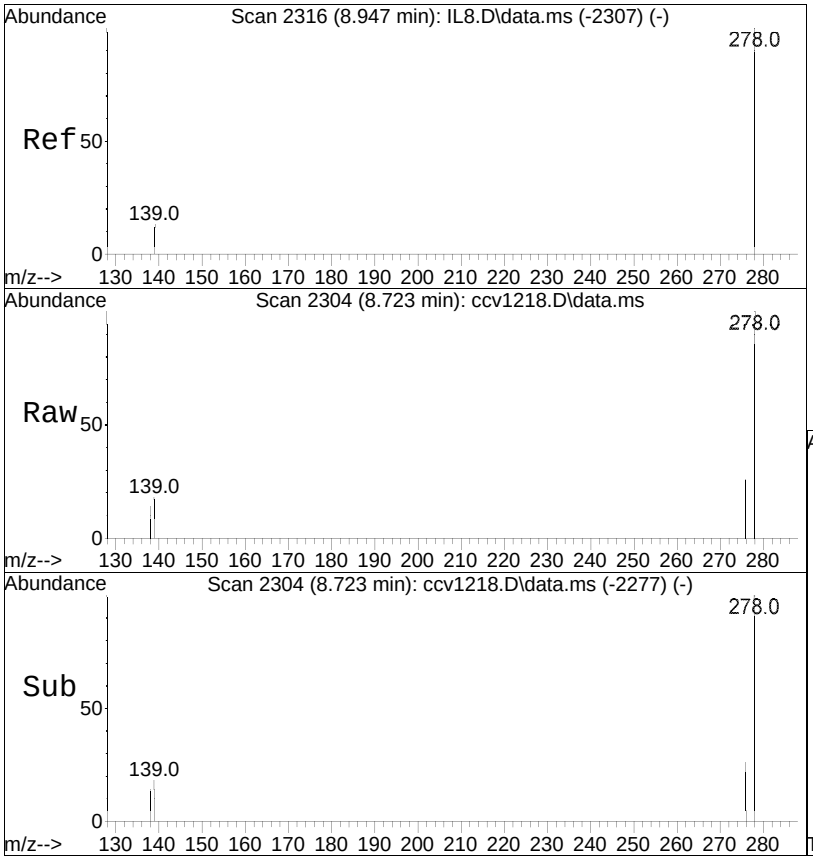


#40
Indeno[1,2,3-cd]pyrene
Concen: 967.89 ng/ml
RT: 8.691 min Scan# 2293
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:276 Resp: 1352240

Ion	Ratio	Lower	Upper
276	100		
138	21.7	13.3	19.9#

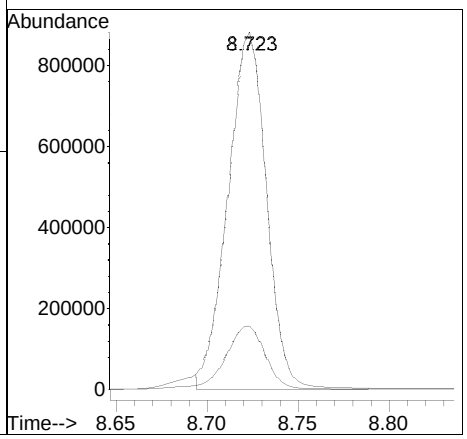


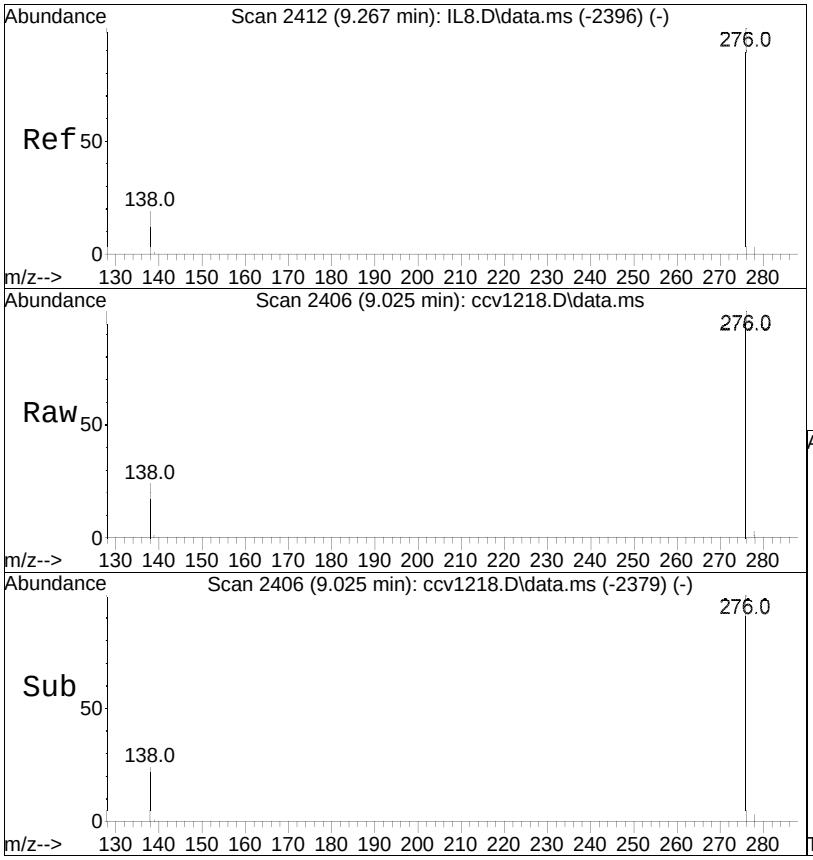


#41
Dibenzo[a,h]anthracene
Concen: 1003.99 ng/ml M6
RT: 8.723 min Scan# 2304
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:278 Resp: 1291991

Ion	Ratio	Lower	Upper
278	100		
139	18.6	11.1	16.7#

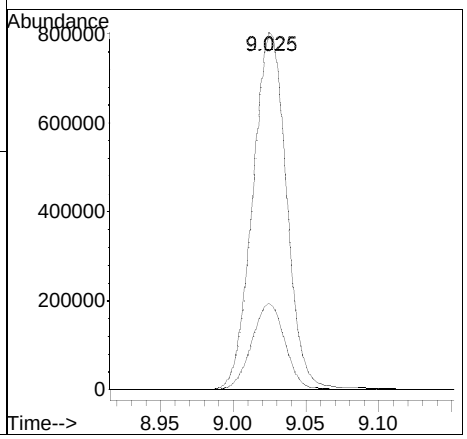




#42
Benzo[g,h,i]perylene
Concen: 941.88 ng/ml
RT: 9.025 min Scan# 2406
Delta R.T. 0.000 min
Lab File: ccv1218.D
Acq: 18 Dec 2024 06:44 am

Tgt Ion:276 Resp: 1278547

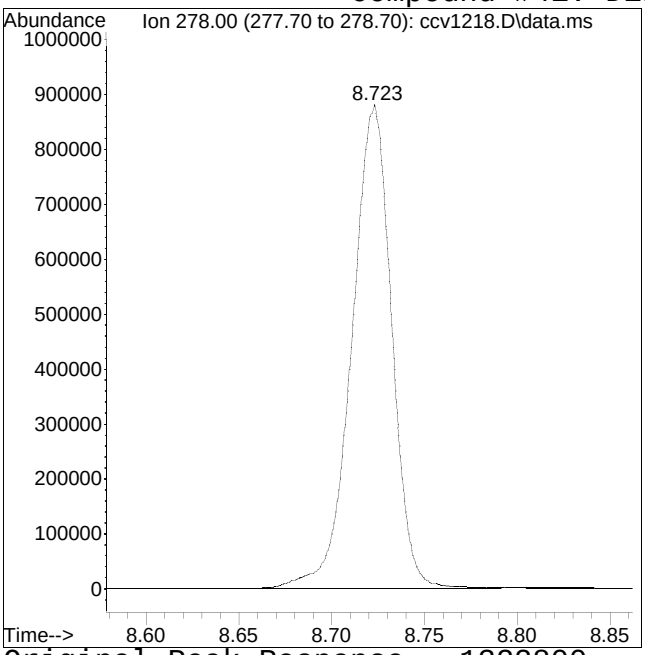
Ion	Ratio	Lower	Upper
276	100		
138	24.0	14.6	22.0#



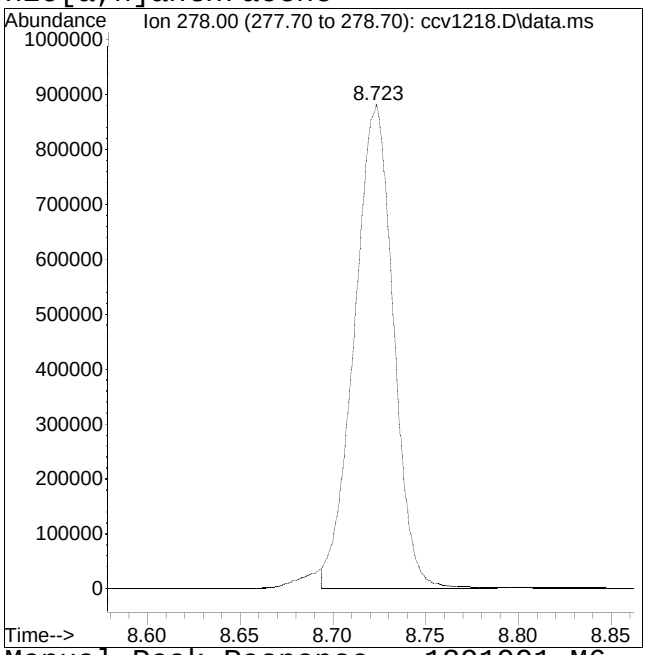
Manual Integration Report

Data Path : I:\8270SIM\SV125\241218RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : ccv1218.D Operator : SV125:jjw
Date Inj'd : 12/18/2024 6:44 am Instrument : SV125
Sample : WG2010584-3,32,,ICV 10884 Quant Date : 12/18/2024 7:10 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1322800



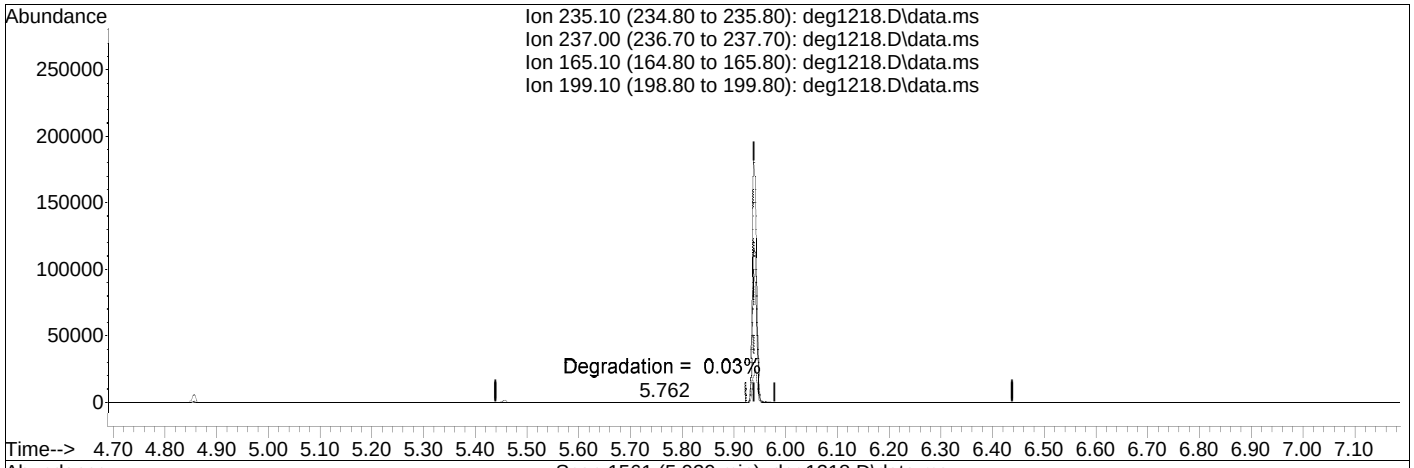
Manual Peak Response = 1291991 M6

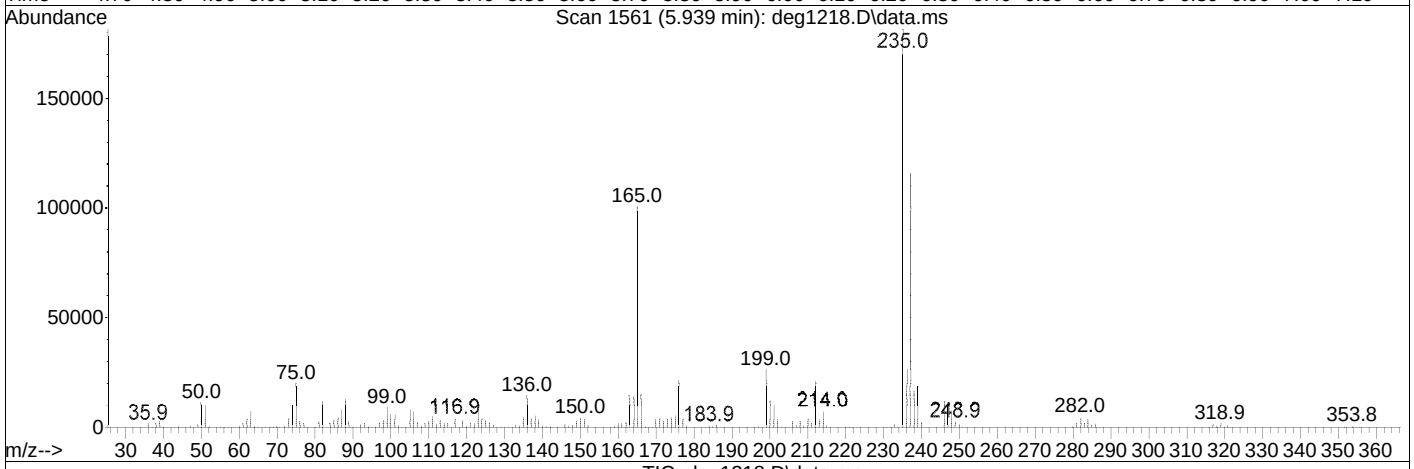
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:27 am
Operator : SV125:jjw
Sample : WG2010584-2,32,,dftpp SV125 lot #11212
Misc : WG2010584,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 18 06:43:08 2024
Quant Method : I:\8270SIM\SV125\241218RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 14 12:58:47 2024
Response via : Continuing Cal File:





TIC: deg1218.D\data.ms

(6) ddt (T)

5.939min (-0.000) 16.20

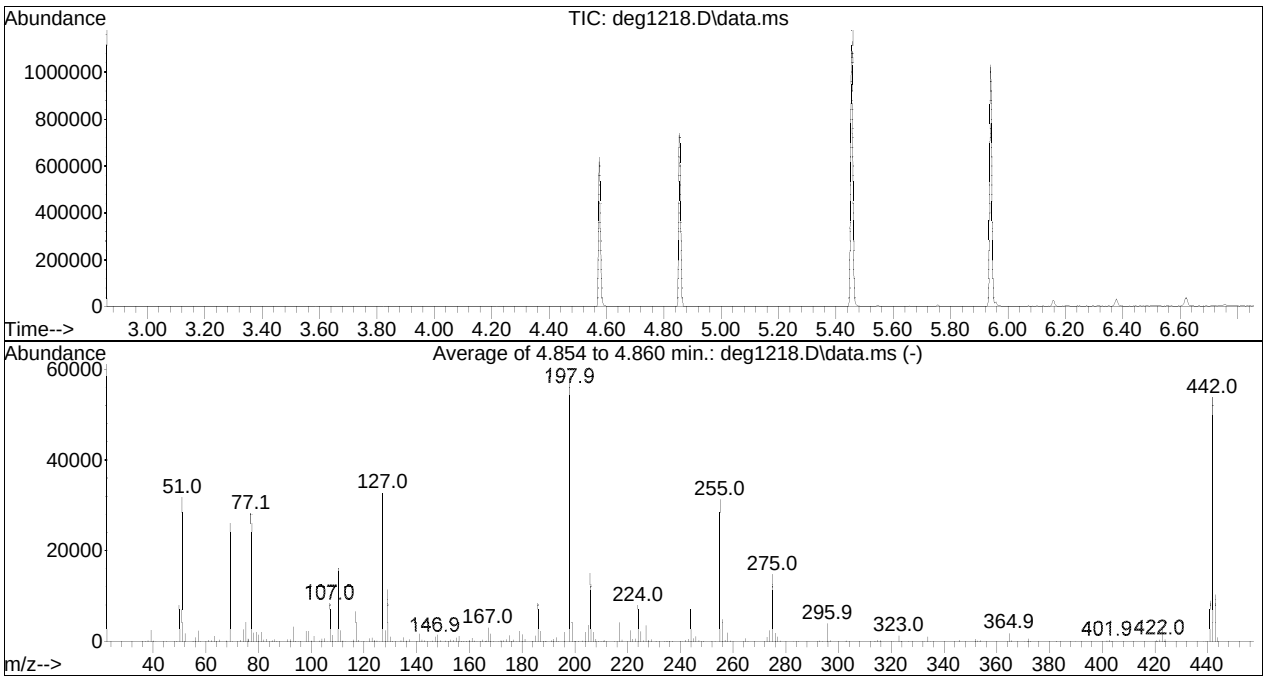
response 98759

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.26
165.10	53.30	54.05
199.10	17.10	14.33

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:27 am
Operator : SV125:jjw
Sample : WG2010584-1,32,,dftpp SV125 lot #11212
Misc : WG2010584,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Dec 18 07:10:34 2024



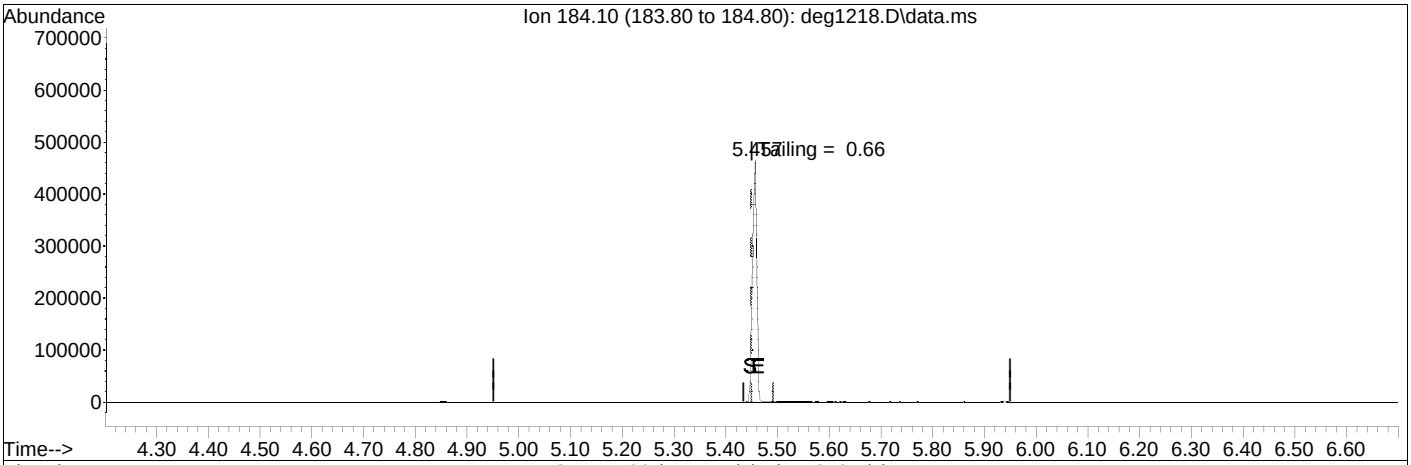
Spectrum Information: Average of 4.854 to 4.860 min.

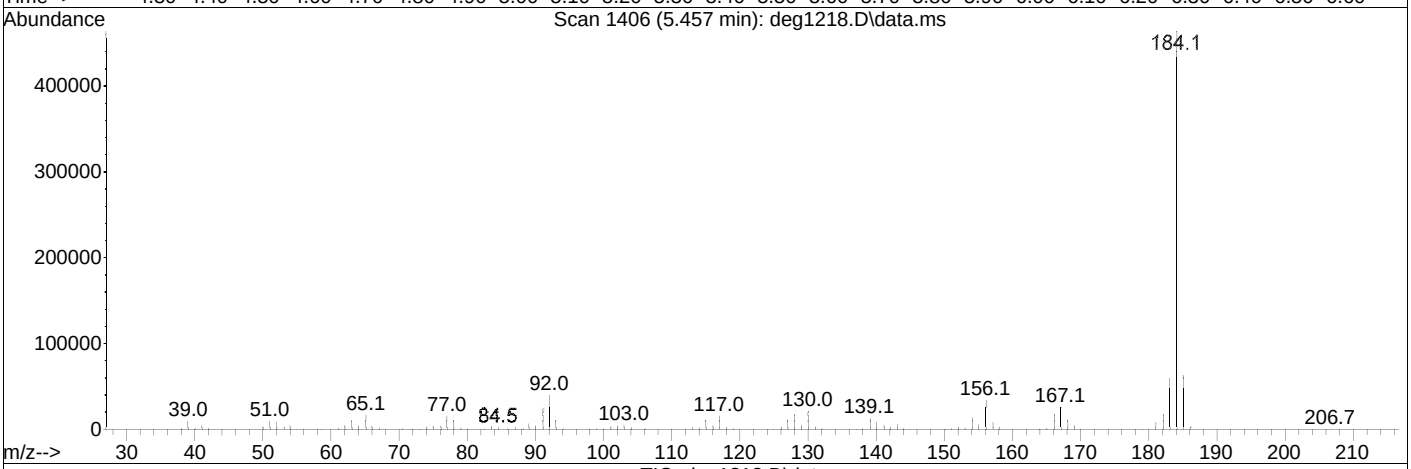
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.5	31672	PASS
68	69	0.00	2	1.2	315	PASS
69	69	100	100	100.0	26080	PASS
70	69	0.00	2	0.7	172	PASS
127	198	10	80	56.2	32710	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	58157	PASS
199	198	5	9	7.4	4278	PASS
275	198	10	60	25.2	14637	PASS
365	198	1	100	3.1	1774	PASS
441	442	0.01	24	16.7	8971	PASS
442	198	50	100	92.4	53725	PASS
443	442	15	24	19.3	10369	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:27 am
Operator : SV125:jjw
Sample : WG2010584-4,32,,dftpp SV125 lot #11212
Misc : WG2010584,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 18 06:43:08 2024
Quant Method : I:\8270SIM\SV125\241218RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 14 12:58:47 2024
Response via : Continuing Cal File:





TIC: deg1218.D\data.ms

(3) benzidine (T)

5.457min (+ 0.006) 22.98

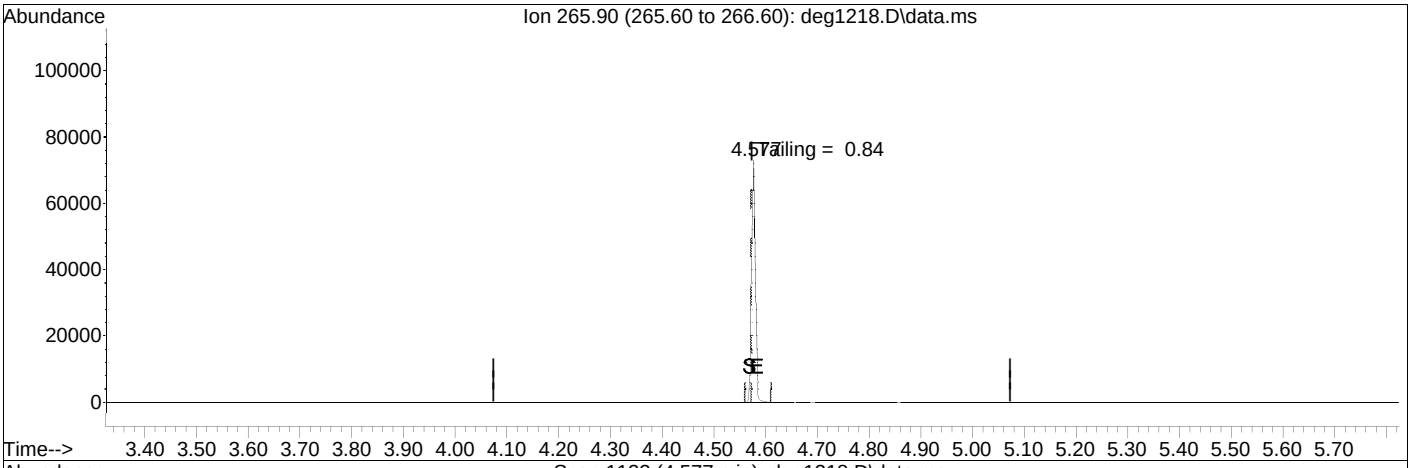
response 233981

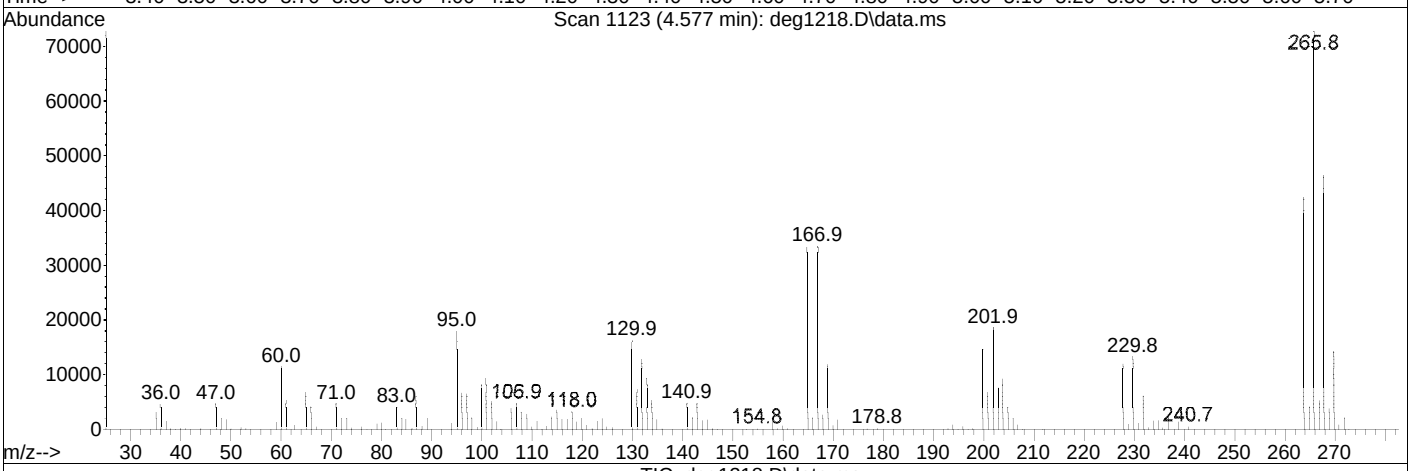
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : deg1218.D
Acq On : 18 Dec 2024 06:27 am
Operator : SV125:jjw
Sample : WG2010584-5,32,,dftpp SV125 lot #11212
Misc : WG2010584,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 18 06:43:08 2024
Quant Method : I:\8270SIM\SV125\241218RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 14 12:58:47 2024
Response via : Continuing Cal File:





TIC: deg1218.D\data.ms

(1) pentachlorophenol (T)

4.577min (+ 0.003) 15.82

response 33235

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV118		Calibration Date	: 12/17/24 07:02	
Lab File ID	: CCV1217A		Init. Calib. Date(s)	: 10/25/24	10/25/24
Sample No	: WG2010053-3		Init. Calib. Times	: 16:43	19:21
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	58	0
2-Fluorophenol	1.131	1.126	.01	0.4	20	59	0
Phenol-d6	1.39	1.313	.01	5.5	20	55	0
Bis(2-chloroethyl)ether	1000	954.438	.01	4.6	20	55	0
n-nitrosodi-n-propylamine	0.879	0.864	.01	1.7	20	58	0
Hexachloroethane	0.502	0.513	.01	-2.2	20	60	0
Nitrobenzene-d5	0.897	1.225	.01	-36.6*	20	76	0
Naphthalene-d8	1	1	.01	0	20	62	0
Naphthalene	1.053	0.908	.01	13.8	20	55	0
Hexachlorobutadiene	0.187	0.17	.01	9.1	20	57	0
2-Methylnaphthalene	0.674	0.743	.01	-10.2	20	69	0
1-Methylnaphthalene	0.627	0.678	.01	-8.1	20	68	0
2-Fluorobiphenyl	0.769	0.844	.01	-9.8	20	70	0
2-Chloronaphthalene	0.677	0.718	.01	-6.1	20	66	0
2,6-Dinitrotoluene	0.092	0.163	.01	-77.2*	20	104	0
Acenaphthylene	1.002	1.109	.01	-10.7	20	67	0
Acenaphthene-d10	1	1	.01	0	20	77	0
Acenaphthene	1.308	1.095	.01	16.3	20	67	0
2,4-Dinitrotoluene	1000	1265.669	.01	-26.6*	20	106	0
Fluorene	1.393	1.223	.01	12.2	20	68	0
2,4,6-Tribromophenol	0.184	0.21	.01	-14.1	20	83	0
Phenanthrene-d10	1	1	.01	0	20	76	0
4,6-Dinitro-o-cresol	1000	1565.767	.01	-56.6*	20	130	0
Hexachlorobenzene	0.263	0.221	.01	16	20	65	0
Pentachlorophenol	0.098	0.089	.01	9.2	20	62	0
Phenanthrene	1.086	0.884	.01	18.6	20	65	0
Anthracene	1.066	0.926	.01	13.1	20	66	0
Fluoranthene	1.216	0.987	.01	18.8	20	63	0
Pyrene	1.291	1.042	.01	19.3	20	62	0
4-Terphenyl-d14	0.818	0.694	.01	15.2	20	67	0
Chrysene-d12	1	1	.01	0	20	72	0
Benzo[a]anthracene	0.392	0.301	.01	23.2*	20	60	0
3,3'-Dichlorobenzidine	0.418	0.425	.01	-1.7	20	64	0
Chrysene	1.207	1.022	.01	15.3	20	61	0
Bis(2-ethylhexyl)phthalate	0.696	0.721	.01	-3.6	20	70	0
Perylene-d12	1	1	.01	0	20	68	0
Benzo[b]fluoranthene	1.031	1.006	.01	2.4	20	64	0
Benzo[k]fluoranthene	1.093	0.997	.01	8.8	20	59	0
Benzo[a]pyrene	0.911	0.883	.01	3.1	20	61	0
Indeno[1,2,3-cd]pyrene	0.849	0.822	.01	3.2	20	58	0
Dibenzo[a,h]anthracene	0.865	0.841	.01	2.8	20	61	0
Benzo[g,h,i]perylene	0.89	0.803	.01	9.8	20	58	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/18/24 06:38	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010570-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	137	0
2-Fluorophenol	1.177	1.103	.05	6.3	20	131	0
Phenol-d6	1.447	1.406	.05	2.8	20	135	0
Bis(2-chloroethyl)ether	1000	863.398	.05	13.7	20	124	0
n-nitrosodi-n-propylamine	0.873	0.85	.05	2.6	20	134	0
Hexachloroethane	0.524	0.486	.05	7.3	20	129	0
Nitrobenzene-d5	1.277	1.259	.05	1.4	20	135	0
Naphthalene-d8	1	1	.05	0	20	142	0
Naphthalene	1	0.883	.05	11.7	20	132	0
Hexachlorobutadiene	0.189	0.165	.05	12.7	20	129	0
2-Methylnaphthalene	0.694	0.637	.05	8.2	20	136	0
1-Methylnaphthalene	0.639	0.578	.05	9.5	20	135	0
2-Fluorobiphenyl	0.806	0.689	.05	14.5	20	131	0
2-Chloronaphthalene	0.689	0.608	.05	11.8	20	134	0
2,6-Dinitrotoluene	0.156	0.148	.05	5.1	20	138	0
Acenaphthylene	0.994	0.931	.05	6.3	20	135	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.207	1.053	.05	12.8	20	133	0
2,4-Dinitrotoluene	0.336	0.342	.05	-1.8	20	140	0
Fluorene	1.306	1.211	.05	7.3	20	138	0
2,4,6-Tribromophenol	0.159	0.163	.05	-2.5	20	141	0
Phenanthrene-d10	1	1	.05	0	20	144	0
4,6-Dinitro-o-cresol	1000	885.239	.05	11.5	20	136	0
Hexachlorobenzene	0.211	0.192	.05	9	20	138	0
Pentachlorophenol	1000	1080.516	.05	-8.1	20	160	0
Phenanthrene	0.953	0.887	.05	6.9	20	134	0
Anthracene	0.986	0.902	.05	8.5	20	134	0
Fluoranthene	1.098	0.999	.05	9	20	138	0
Pyrene	1.132	1.027	.05	9.3	20	137	0
4-Terphenyl-d14	0.727	0.588	.05	19.1	20	122	0
Chrysene-d12	1	1	.05	0	20	133	0
Benzo[a]anthracene	1000	897.577	.05	10.2	20	122	0
3,3'-Dichlorobenzidine	0.432	0.421	.05	2.5	20	127	0
Chrysene	1.059	1.015	.05	4.2	20	119	0
Bis(2-ethylhexyl)phthalate	0.708	0.694	.05	2	20	128	0
Perylene-d12	1	1	.05	0	20	116	0
Benzo[b]fluoranthene	1.214	1.099	.05	9.5	20	109	0
Benzo[k]fluoranthene	1.091	1.038	.05	4.9	20	107	0
Benzo[a]pyrene	0.994	0.946	.05	4.8	20	107	0
Indeno[1,2,3-cd]pyrene	1.017	0.846	.05	16.8	20	95	0
Dibenzo[a,h]anthracene	0.955	0.785	.05	17.8	20	95	0
Benzo[g,h,i]perylene	0.987	0.775	.05	21.5*	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/18/24 06:44	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010584-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	132	0
2-Fluorophenol	1.075	0.983	.05	8.6	20	124	0
Phenol-d6	1.36	1.246	.05	8.4	20	126	0
Bis(2-chloroethyl)ether	1000	887.741	.05	11.2	20	125	0
n-nitrosodi-n-propylamine	0.775	0.749	.05	3.4	20	123	0
Hexachloroethane	0.503	0.461	.05	8.3	20	124	0
Nitrobenzene-d5	1.158	1.122	.05	3.1	20	124	0
Naphthalene-d8	1	1	.05	0	20	143	0
Naphthalene	1.074	0.966	.05	10.1	20	133	0
Hexachlorobutadiene	0.22	0.173	.05	21.4*	20	115	0
2-Methylnaphthalene	0.724	0.661	.05	8.7	20	132	0
1-Methylnaphthalene	0.677	0.614	.05	9.3	20	133	0
2-Fluorobiphenyl	0.89	0.744	.05	16.4	20	123	0
2-Chloronaphthalene	0.758	0.664	.05	12.4	20	126	0
2,6-Dinitrotoluene	0.173	0.166	.05	4	20	129	0
Acenaphthylene	1.076	1.009	.05	6.2	20	128	0
Acenaphthene-d10	1	1	.05	0	20	142	0
Acenaphthene	1.289	1.136	.05	11.9	20	131	0
2,4-Dinitrotoluene	0.376	0.378	.05	-0.5	20	134	0
Fluorene	1.423	1.233	.05	13.4	20	127	0
2,4,6-Tribromophenol	0.217	0.201	.05	7.4	20	115	0
Phenanthrene-d10	1	1	.05	0	20	140	0
4,6-Dinitro-o-cresol	1000	886.851	.05	11.3	20	125	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	114	0
Pentachlorophenol	1000	888.794	.05	11.1	20	113	0
Phenanthrene	1.105	0.959	.05	13.2	20	128	0
Anthracene	1.064	0.974	.05	8.5	20	127	0
Fluoranthene	1.27	1.12	.05	11.8	20	125	0
Pyrene	1.342	1.191	.05	11.3	20	126	0
4-Terphenyl-d14	0.922	0.735	.05	20.3*	20	117	0
Chrysene-d12	1	1	.05	0	20	138	0
Benzo[a]anthracene	1000	951.499	.05	4.9	20	125	0
3,3'-Dichlorobenzidine	0.448	0.453	.05	-1.1	20	129	0
Chrysene	1.132	1.084	.05	4.2	20	123	0
Bis(2-ethylhexyl)phthalate	0.648	0.774	.05	-19.4	20	155	0
Perylene-d12	1	1	.05	0	20	147	0
Benzo[b]fluoranthene	1.113	0.952	.05	14.5	20	123	0
Benzo[k]fluoranthene	1.017	0.952	.05	6.4	20	132	0
Benzo[a]pyrene	0.923	0.873	.05	5.4	20	130	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	136	0
Dibenzo[a,h]anthracene	0.913	0.917	.05	-0.4	20	139	0
Benzo[g,h,i]perylene	0.963	0.907	.05	5.8	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/19/24 07:05	
Lab File ID	: CCV1219		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011166-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	68	0
2-Fluorophenol	1.177	1.098	.05	6.7	20	65	0
Phenol-d6	1.447	1.362	.05	5.9	20	65	0
Bis(2-chloroethyl)ether	1000	914.932	.05	8.5	20	65	0
n-nitrosodi-n-propylamine	0.873	0.809	.05	7.3	20	63	0
Hexachloroethane	0.524	0.478	.05	8.8	20	63	0
Nitrobenzene-d5	1.277	1.203	.05	5.8	20	64	0
Naphthalene-d8	1	1	.05	0	20	69	0
Naphthalene	1	0.887	.05	11.3	20	65	0
Hexachlorobutadiene	0.189	0.166	.05	12.2	20	63	0
2-Methylnaphthalene	0.694	0.625	.05	9.9	20	65	0
1-Methylnaphthalene	0.639	0.573	.05	10.3	20	66	0
2-Fluorobiphenyl	0.806	0.688	.05	14.6	20	64	0
2-Chloronaphthalene	0.689	0.597	.05	13.4	20	64	0
2,6-Dinitrotoluene	0.156	0.146	.05	6.4	20	67	0
Acenaphthylene	0.994	0.922	.05	7.2	20	65	0
Acenaphthene-d10	1	1	.05	0	20	71	0
Acenaphthene	1.207	1.049	.05	13.1	20	65	0
2,4-Dinitrotoluene	0.336	0.346	.05	-3	20	69	0
Fluorene	1.306	1.197	.05	8.3	20	67	0
2,4,6-Tribromophenol	0.159	0.161	.05	-1.3	20	68	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	807.375	.05	19.3	20	65	0
Hexachlorobenzene	0.211	0.185	.05	12.3	20	69	0
Pentachlorophenol	1000	904.308	.05	9.6	20	69	0
Phenanthrene	0.953	0.878	.05	7.9	20	69	0
Anthracene	0.986	0.895	.05	9.2	20	69	0
Fluoranthene	1.098	1.09	.05	0.7	20	79	0
Pyrene	1.132	1.15	.05	-1.6	20	80	0
4-Terphenyl-d14	0.727	0.674	.05	7.3	20	73	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	894.406	.05	10.6	20	81	0
3,3'-Dichlorobenzidine	0.432	0.439	.05	-1.6	20	88	0
Chrysene	1.059	1.038	.05	2	20	81	0
Bis(2-ethylhexyl)phthalate	0.708	0.699	.05	1.3	20	87	0
Perylene-d12	1	1	.05	0	20	90	0
Benzo[b]fluoranthene	1.214	1.12	.05	7.7	20	86	0
Benzo[k]fluoranthene	1.091	1	.05	8.3	20	79	0
Benzo[a]pyrene	0.994	0.959	.05	3.5	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.959	.05	5.7	20	83	0
Dibenzo[a,h]anthracene	0.955	0.886	.05	7.2	20	82	0
Benzo[g,h,i]perylene	0.987	0.891	.05	9.7	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/19/24 19:33	
Lab File ID	: CCV1219N		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011538-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	122	0
2-Fluorophenol	1.075	1.008	.05	6.2	20	117	0
Phenol-d6	1.36	1.294	.05	4.9	20	121	0
Bis(2-chloroethyl)ether	1000	913.34	.05	8.7	20	119	0
n-nitrosodi-n-propylamine	0.775	0.767	.05	1	20	116	0
Hexachloroethane	0.503	0.469	.05	6.8	20	117	0
Nitrobenzene-d5	1.158	1.156	.05	0.2	20	118	0
Naphthalene-d8	1	1	.05	0	20	133	0
Naphthalene	1.074	0.985	.05	8.3	20	126	0
Hexachlorobutadiene	0.22	0.175	.05	20.5*	20	108	0
2-Methylnaphthalene	0.724	0.672	.05	7.2	20	125	0
1-Methylnaphthalene	0.677	0.622	.05	8.1	20	125	0
2-Fluorobiphenyl	0.89	0.752	.05	15.5	20	115	0
2-Chloronaphthalene	0.758	0.668	.05	11.9	20	118	0
2,6-Dinitrotoluene	0.173	0.172	.05	0.6	20	124	0
Acenaphthylene	1.076	1.029	.05	4.4	20	122	0
Acenaphthene-d10	1	1	.05	0	20	131	0
Acenaphthene	1.289	1.161	.05	9.9	20	124	0
2,4-Dinitrotoluene	0.376	0.391	.05	-4	20	128	0
Fluorene	1.423	1.264	.05	11.2	20	120	0
2,4,6-Tribromophenol	0.217	0.208	.05	4.1	20	111	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	905.541	.05	9.4	20	122	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	109	0
Pentachlorophenol	1000	844.068	.05	15.6	20	102	0
Phenanthrene	1.105	0.966	.05	12.6	20	123	0
Anthracene	1.064	0.986	.05	7.3	20	123	0
Fluoranthene	1.27	1.155	.05	9.1	20	124	0
Pyrene	1.342	1.237	.05	7.8	20	125	0
4-Terphenyl-d14	0.922	0.765	.05	17	20	116	0
Chrysene-d12	1	1	.05	0	20	137	0
Benzo[a]anthracene	1000	986.27	.05	1.4	20	129	0
3,3'-Dichlorobenzidine	0.448	0.457	.05	-2	20	129	0
Chrysene	1.132	1.079	.05	4.7	20	122	0
Bis(2-ethylhexyl)phthalate	0.648	0.778	.05	-20.1*	20	155	0
Perylene-d12	1	1	.05	0	20	144	0
Benzo[b]fluoranthene	1.113	0.982	.05	11.8	20	125	0
Benzo[k]fluoranthene	1.017	0.975	.05	4.1	20	133	0
Benzo[a]pyrene	0.923	0.896	.05	2.9	20	132	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	134	0
Dibenzo[a,h]anthracene	0.913	0.908	.05	0.5	20	135	0
Benzo[g,h,i]perylene	0.963	0.893	.05	7.3	20	130	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : ccv1219.D
Acq On : 19 Dec 2024 07:05 am
Operator : SV120:kmh
Sample : wg2011166-3,32,,ICV 10884 (1130a)
Misc : wg2011166,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:30:10 2024
Quant Method : I:\8270SIM\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:54 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	68	0.00
2	s	2-Fluorophenol	1.177	1.098	6.7	65	0.00
3	s	Phenol-d6	1.447	1.362	5.9	65	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	914.932	8.5	65	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.809	7.3	63	0.00
6	t	Hexachloroethane	0.524	0.478	8.8	63	0.00
7	s	Nitrobenzene-d5	1.277	1.203	5.8	64	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	69	0.00
9	t	Naphthalene	1.000	0.887	11.3	65	0.00
10	t	Hexachlorobutadiene	0.189	0.166	12.2	63	0.00
11	t	2-Methylnaphthalene	0.694	0.625	9.9	65	0.00
12	t	1-Methylnaphthalene	0.639	0.573	10.3	66	0.00
13	s	2-Fluorobiphenyl	0.806	0.688	14.6	64	0.00
14	t	2-Chloronaphthalene	0.689	0.597	13.4	64	0.00
15	t	2,6-Dinitrotoluene	0.156	0.146	6.4	67	0.00
16	t	Acenaphthylene	0.994	0.922	7.2	65	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	71	0.00
18	t	Acenaphthene	1.207	1.049	13.1	65	0.00
19	t	2,4-Dinitrotoluene	0.336	0.346	-3.0	69	0.00
20	t	Fluorene	1.306	1.197	8.3	67	0.00
21	s	2,4,6-Tribromophenol	0.159	0.161	-1.3	68	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	807.375	19.3	65	0.00
24	t	Hexachlorobenzene	0.211	0.185	12.3	69	0.00
25	t	Pentachlorophenol	*1000.000	904.308	9.6	69	0.00
26	t	Phenanthrene	0.953	0.878	7.9	69	0.00
27	t	Anthracene	0.986	0.895	9.2	69	0.00
28	t	Fluoranthene	1.098	1.090	0.7	79	0.00
29	t	Pyrene	1.132	1.150	-1.6	80	0.00
30	s	4-Terphenyl-d14	0.727	0.674	7.3	73	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	*1000.000	894.406	10.6	81	0.00
33	t	3,3'-Dichlorobenzidine	0.432	0.439	-1.6	88	0.00
34	t	Chrysene	1.059	1.038	2.0	81	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.699	1.3	87	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : ccv1219.D
Acq On : 19 Dec 2024 07:05 am
Operator : SV120:kmh
Sample : wg2011166-3,32,,ICV 10884 (1130a)
Misc : wg2011166,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:30:10 2024
Quant Method : I:\8270SIM\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:54 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	90	0.00
37	t	Benzo[b]fluoranthene	1.214	1.120	7.7	86	0.00
38	t	Benzo[k]fluoranthene	1.091	1.000	8.3	79	0.00
39	t	Benzo[a]pyrene	0.994	0.959	3.5	84	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	0.959	5.7	83	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.886	7.2	82	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.891	9.7	80	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : ccv1219.D
Acq On : 19 Dec 2024 07:05 am
Operator : SV120:kmh
Sample : wg2011166-3,32,,ICV 10884 (1130a)
Misc : wg2011166,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:30:10 2024
Quant Method : I:\8270SIM\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:54 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.318	152	183438	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.979	136	731006	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.960	164	431670	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.806	188	877889	4000.000	ng/ml	0.00
31) Chrysene-d12	6.416	240	872898	4000.000	ng/ml	0.00
36) Perylene-d12	7.708	264	860499	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	50366	932.798	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.64%			
3) Phenol-d6	2.126	99	62467	941.551	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.08%			
7) Nitrobenzene-d5	2.594	82	55180	942.126	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.21%			
13) 2-Fluorobiphenyl	3.576	172	125821	853.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.40%			
21) 2,4,6-Tribromophenol	4.408	330	17391	1012.047	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.60%			
30) 4-Terphenyl-d14	5.741	244	147849	926.204	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 46.31%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.181	93	51743	914.932	ng/ml	98
5) n-nitrosodi-n-propylamine	2.514	70	37115	927.571	ng/ml	99
6) Hexachloroethane	2.575	117	21920	912.761	ng/ml	99
9) Naphthalene	2.990	128	162076	886.941	ng/ml	100
10) Hexachlorobutadiene	3.060	225	30259	873.901	ng/ml	100
11) 2-Methylnaphthalene	3.370	142	114223	900.350	ng/ml	100
12) 1-Methylnaphthalene	3.426	142	104737	897.561	ng/ml	100
14) 2-Chloronaphthalene	3.643	162	109174	866.890	ng/ml	99
15) 2,6-Dinitrotoluene	3.835	165	26697	936.555	ng/ml	97
16) Acenaphthylene	3.877	152	168487	927.926	ng/ml	100
18) Acenaphthene	3.977	153	113254	869.201	ng/ml	93
19) 2,4-Dinitrotoluene	4.066	165	37294	1028.003	ng/ml	99
20) Fluorene	4.270	166	129172	916.199	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.298	198	20852	807.375	ng/ml	96
24) Hexachlorobenzene	4.589	284	40684	877.344	ng/ml	99
25) Pentachlorophenol	4.700	266	22903	904.308	ng/ml	100
26) Phenanthrene	4.820	178	192673	920.983	ng/ml	100
27) Anthracene	4.848	178	196342	907.117	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : ccv1219.D
Acq On : 19 Dec 2024 07:05 am
Operator : SV120:kmh
Sample : wg2011166-3,32,,ICV 10884 (1130a)
Misc : wg2011166,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:30:10 2024
Quant Method : I:\8270SIM\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:54 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.511	202	239311	993.175	ng/ml	99
29) Pyrene	5.646	202	252417	1015.909	ng/ml	100
32) Benzo[a]anthracene	6.406	228	240084	894.406	ng/ml	98
33) 3,3'-Dichlorobenzidine	6.391	252	95792	1015.217	ng/ml	99
34) Chrysene	6.433	228	226409	979.749	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.433	149	152554	987.621	ng/ml	100
37) Benzo[b]fluoranthene	7.302	252	240958	922.846	ng/ml	100
38) Benzo[k]fluoranthene	7.330	252	215050	916.171	ng/ml	100
39) Benzo[a]pyrene	7.635	252	206211	964.209	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.994	276	206212	942.962	ng/ml	99
41) Dibenzo[a,h]anthracene	9.035	278	190626M6	927.879	ng/ml	
42) Benzo[g,h,i]perylene	9.354	276	191670	902.433	ng/ml	97

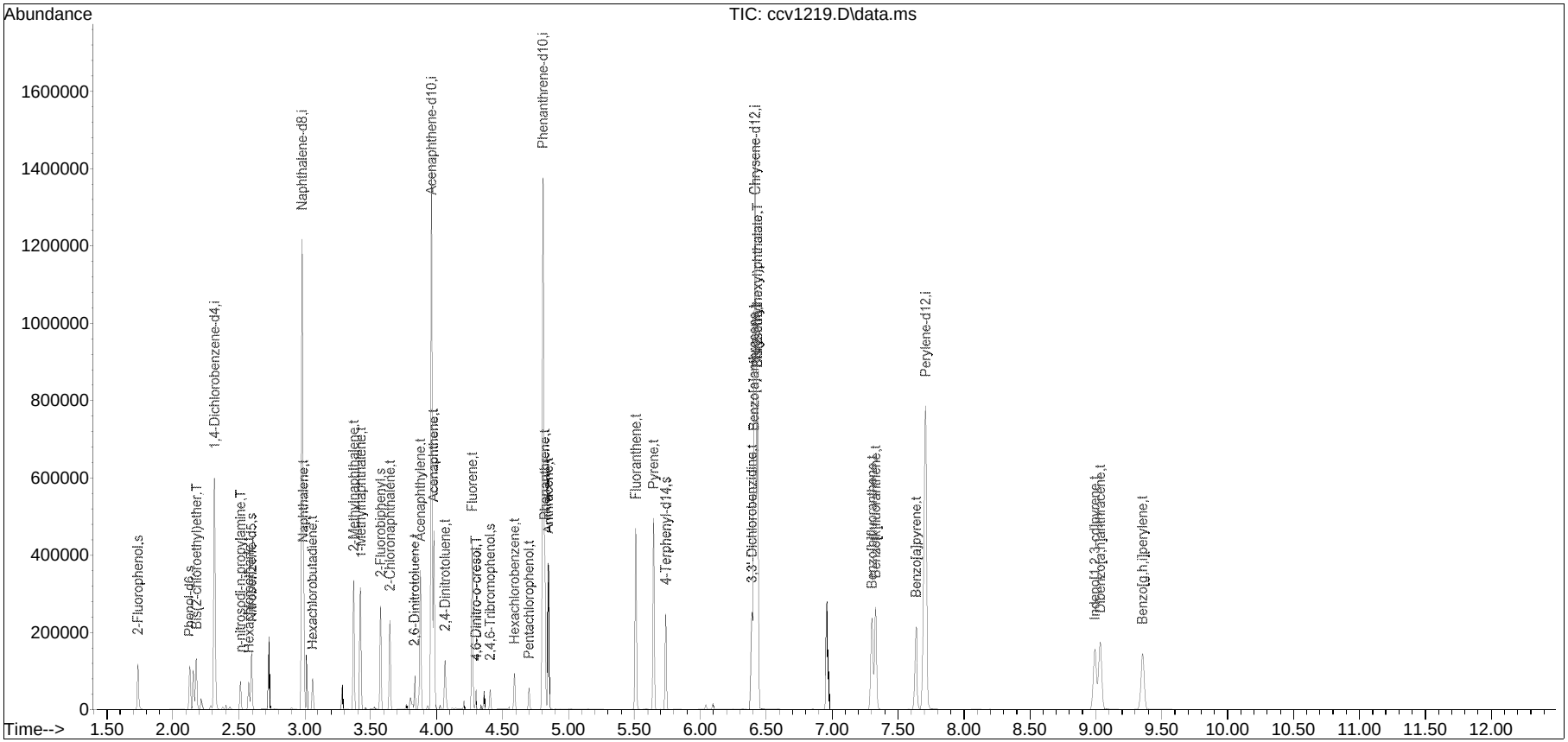
(#) = qualifier out of range (m) = manual integration (+) = signals summed

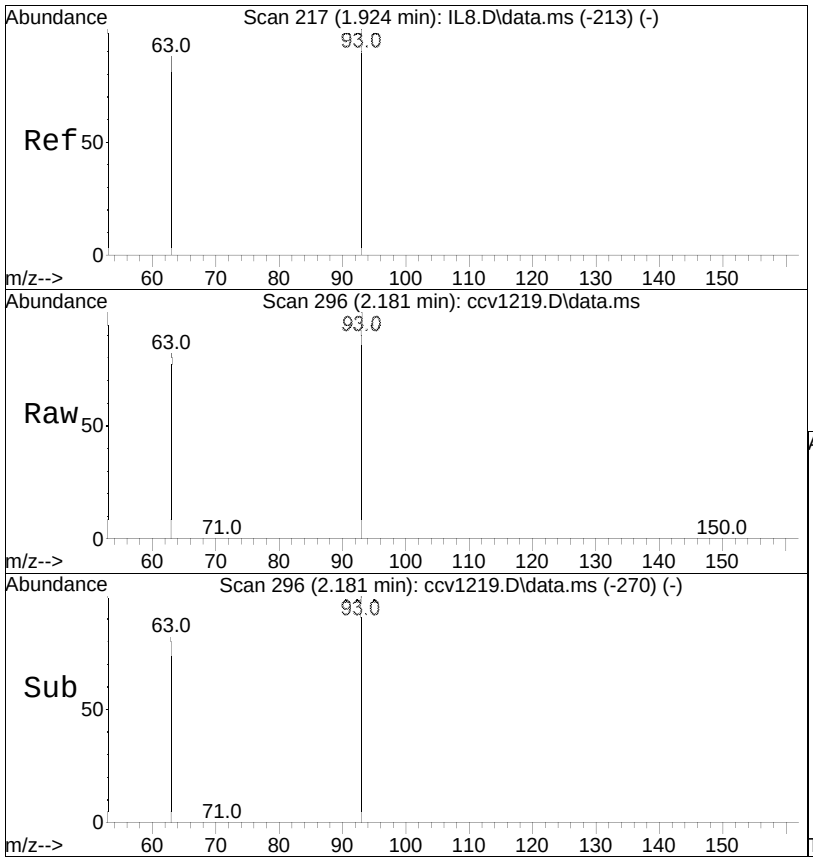
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : ccv1219.D
Acq On : 19 Dec 2024 07:05 am
Operator : SV120:kmh
Sample : wg2011166-3,32,,ICV 10884 (1130a)
Misc : wg2011166,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:30:10 2024
Quant Method : I:\8270SIM\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:54 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

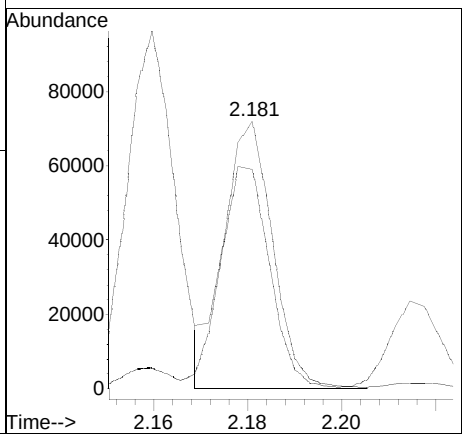


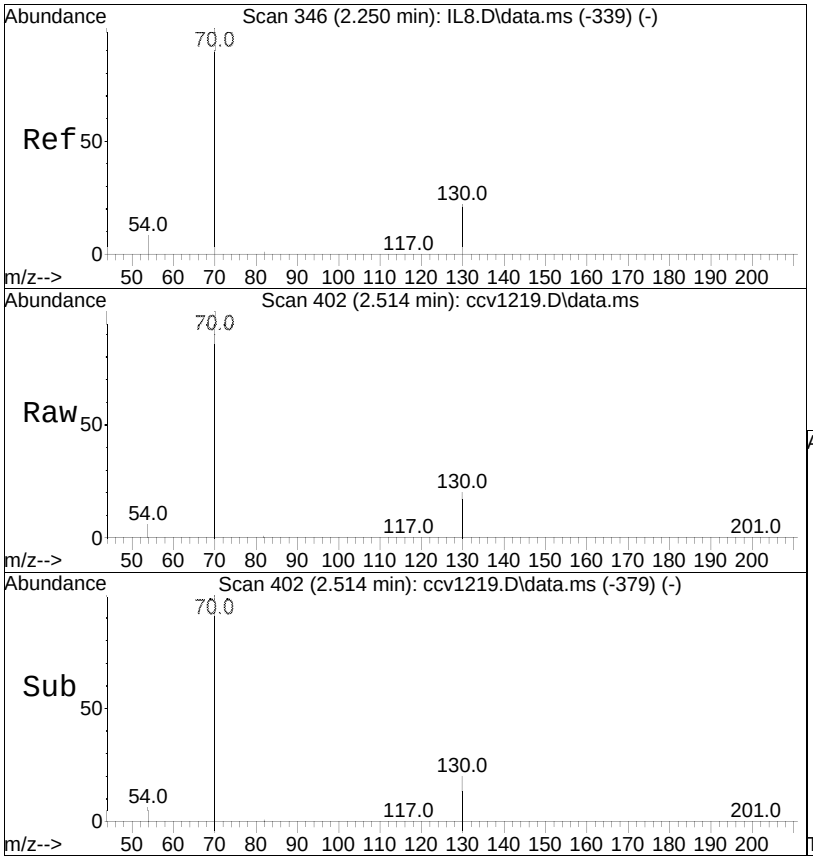


#4
Bis(2-chloroethyl)ether
Concen: 914.93 ng/ml
RT: 2.181 min Scan# 296
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion: 93 Resp: 51743

Ion	Ratio	Lower	Upper
93	100		
63	83.9	68.7	103.1

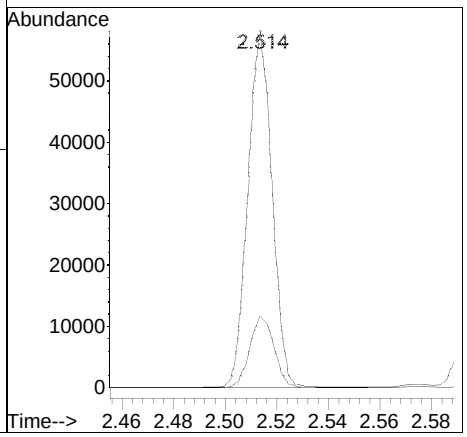


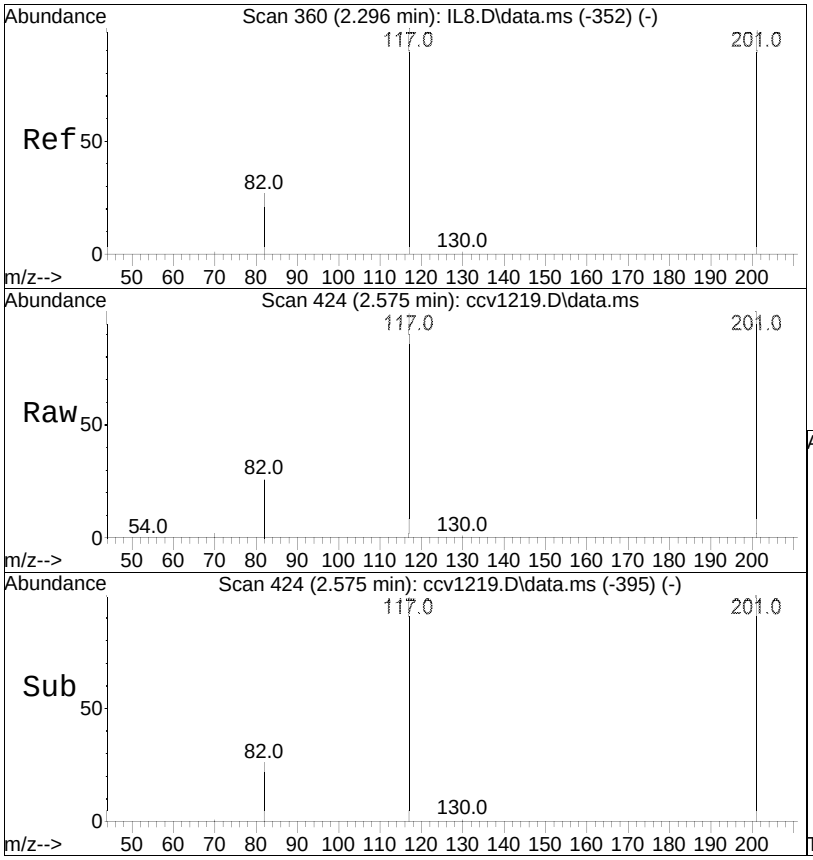


#5
n-nitrosodi-n-propylamine
Concen: 927.57 ng/ml
RT: 2.514 min Scan# 402
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion: 70 Resp: 37115

Ion	Ratio	Lower	Upper
70	100		
130	20.2	16.6	24.8

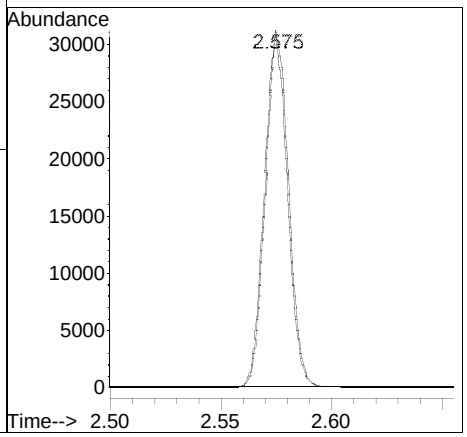


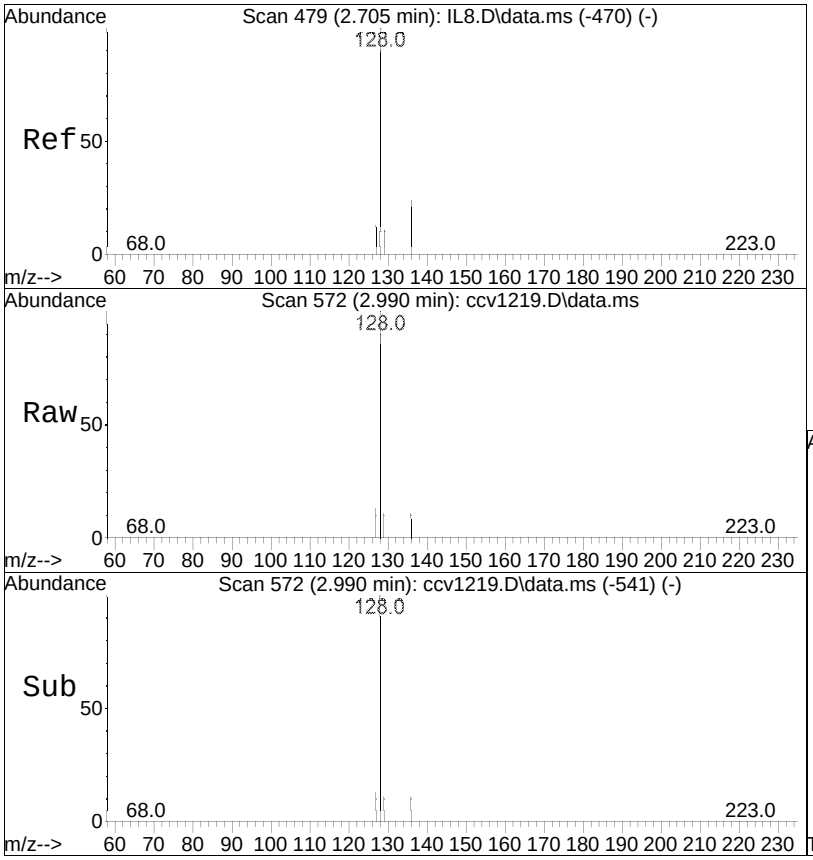


#6
Hexachloroethane
Concen: 912.76 ng/ml
RT: 2.575 min Scan# 424
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:117 Resp: 21920

Ion	Ratio	Lower	Upper
117	100		
201	101.5	82.0	123.0

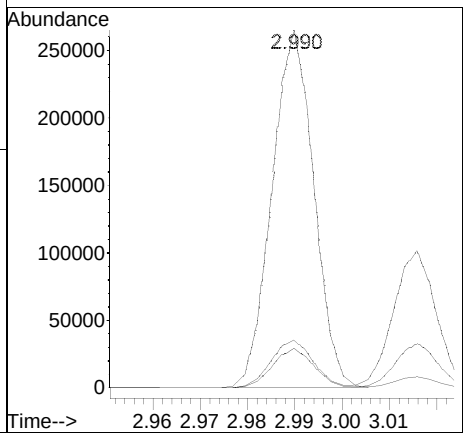


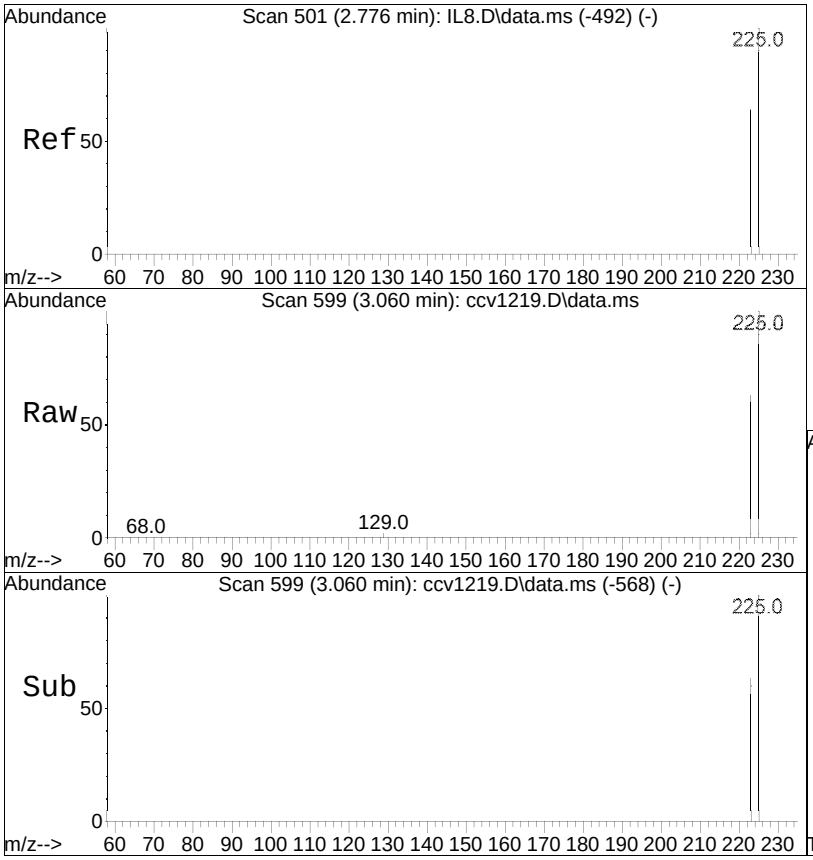


#9
Naphthalene
Concen: 886.94 ng/ml
RT: 2.990 min Scan# 572
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:128 Resp: 162076

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.6	10.7	16.1

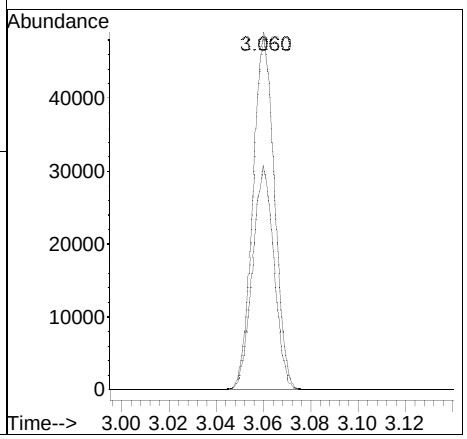


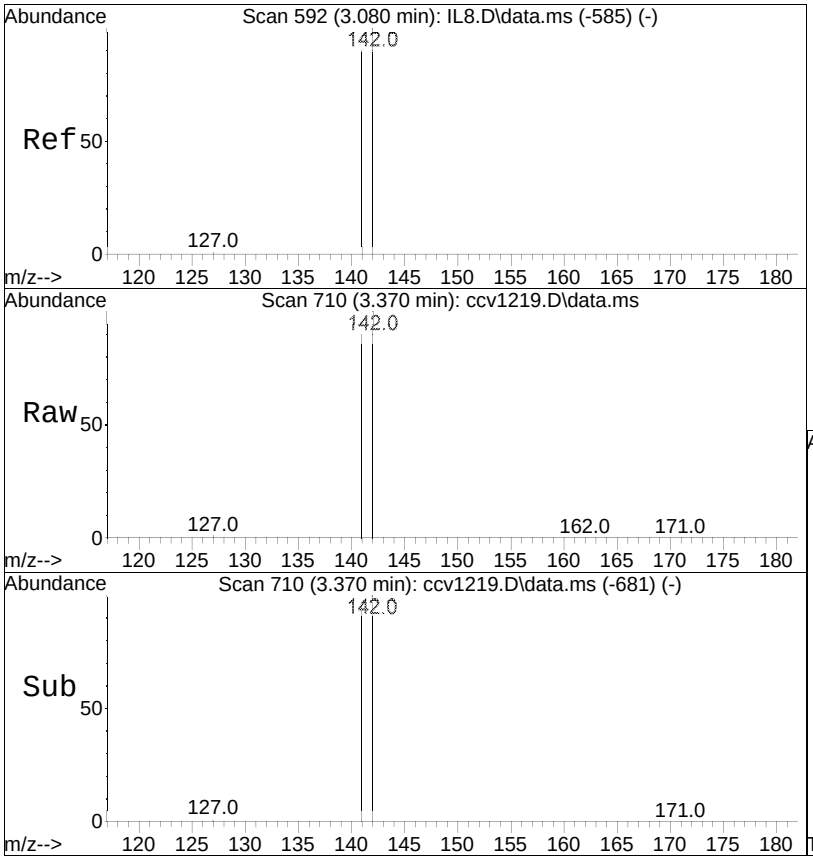


#10
Hexachlorobutadiene
Concen: 873.90 ng/ml
RT: 3.060 min Scan# 599
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:225 Resp: 30259

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.5	75.7

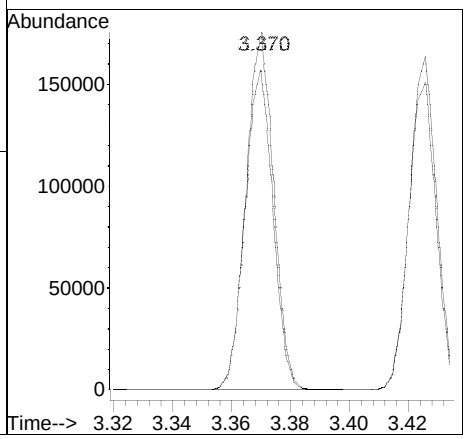


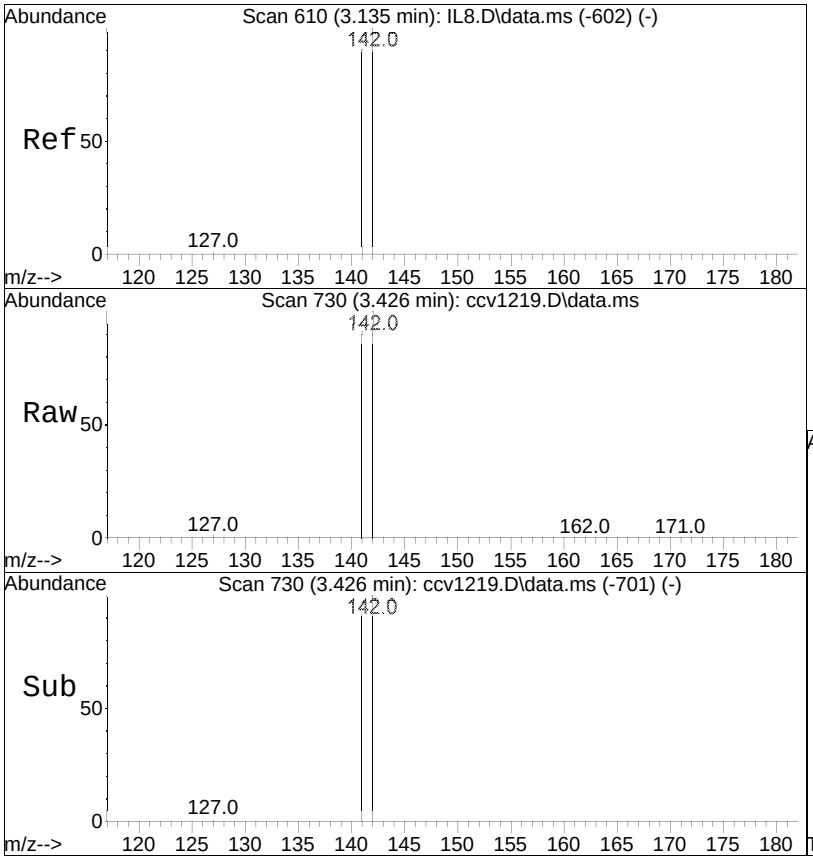


#11
2-Methylnaphthalene
Concen: 900.35 ng/ml
RT: 3.370 min Scan# 710
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:142 Resp: 114223

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2

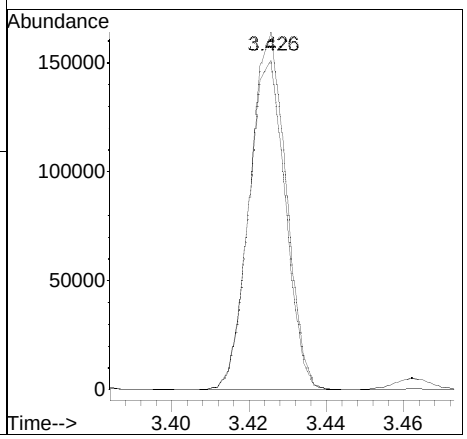


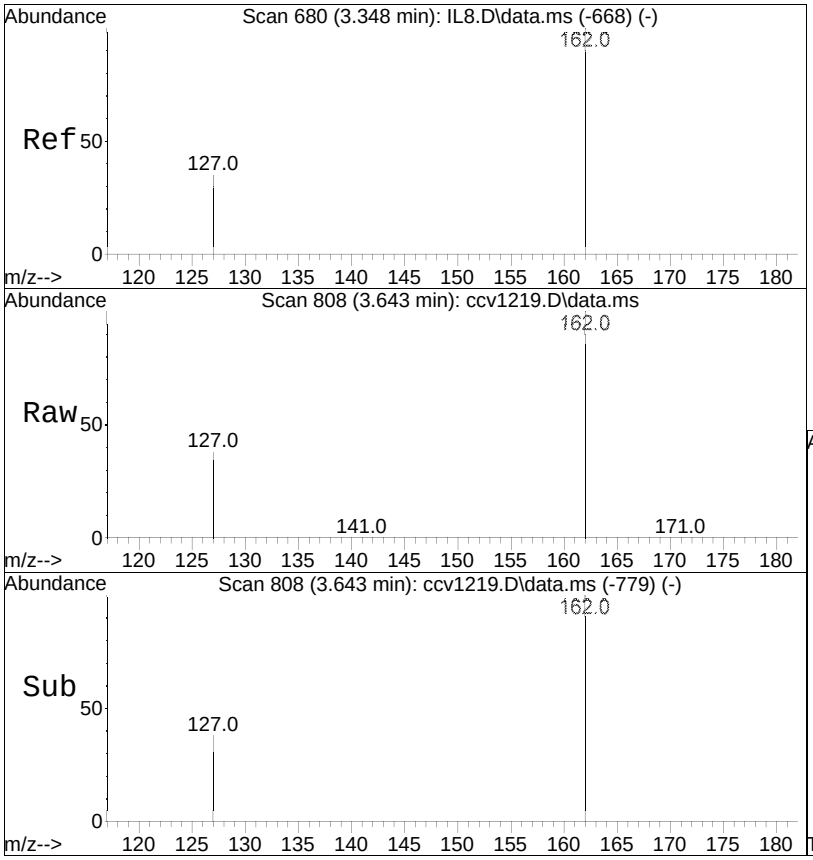


#12
1-Methylnaphthalene
Concen: 897.56 ng/ml
RT: 3.426 min Scan# 730
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:142 Resp: 104737

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.6	112.0

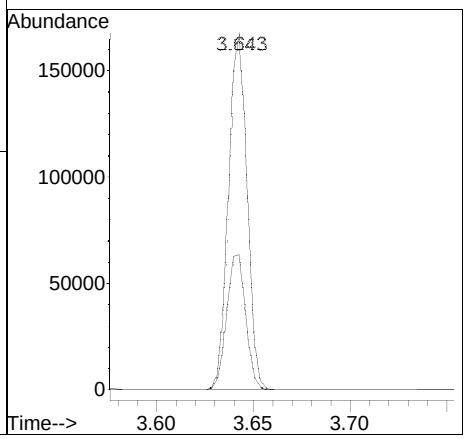


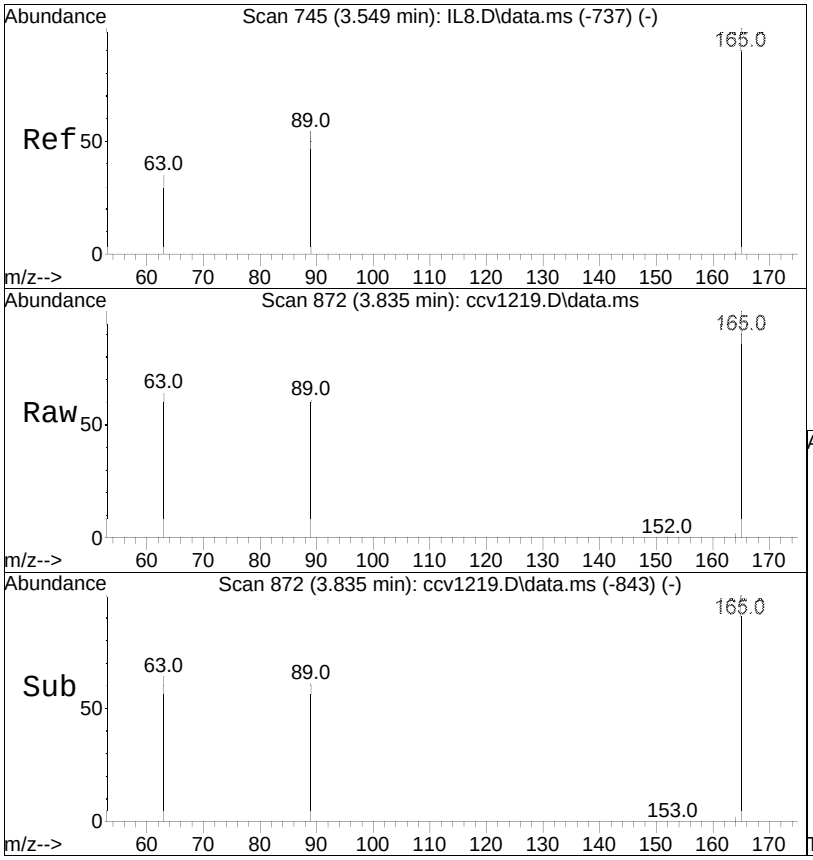


#14
2-Chloronaphthalene
Concen: 866.89 ng/ml
RT: 3.643 min Scan# 808
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:162 Resp: 109174

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.0	46.4

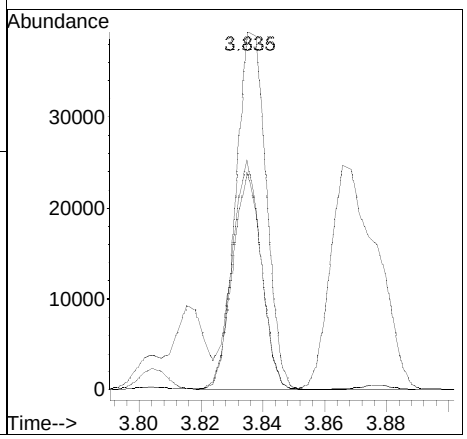


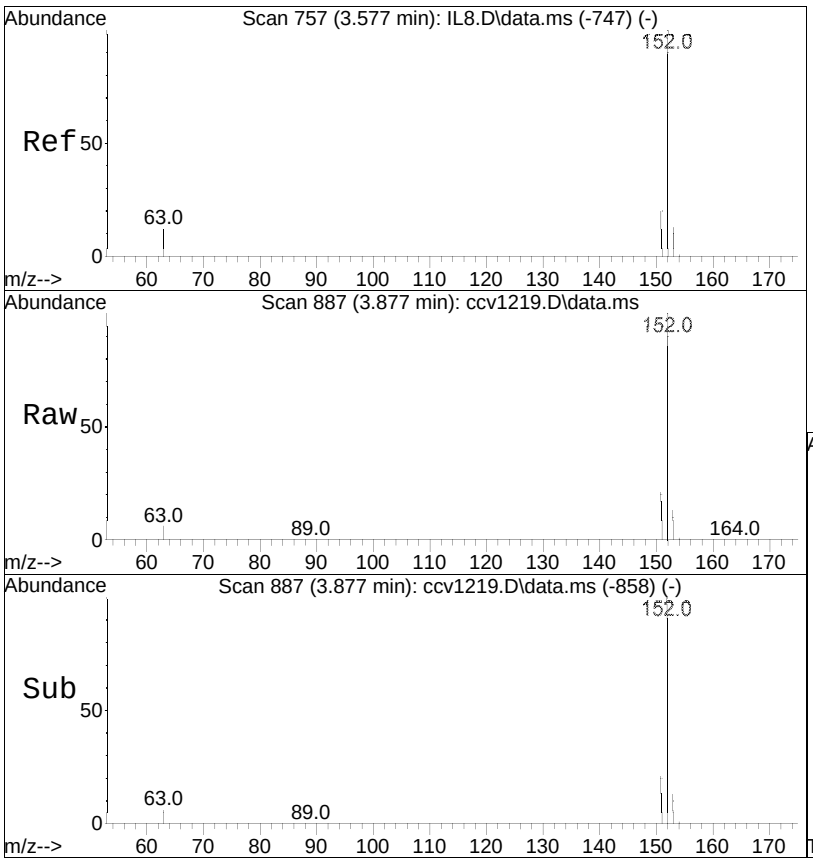


#15
2,6-Dinitrotoluene
Concen: 936.55 ng/ml
RT: 3.835 min Scan# 872
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:165 Resp: 26697

Ion	Ratio	Lower	Upper
165	100		
89	58.3	45.8	68.8
63	60.9	46.3	69.5

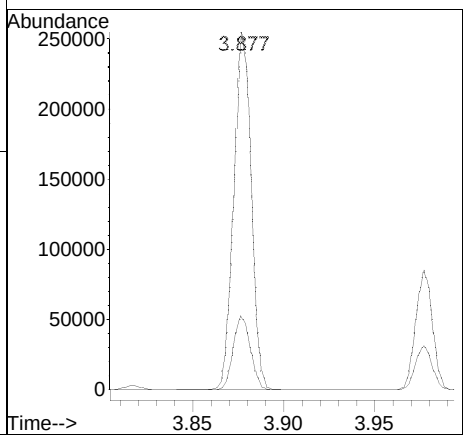


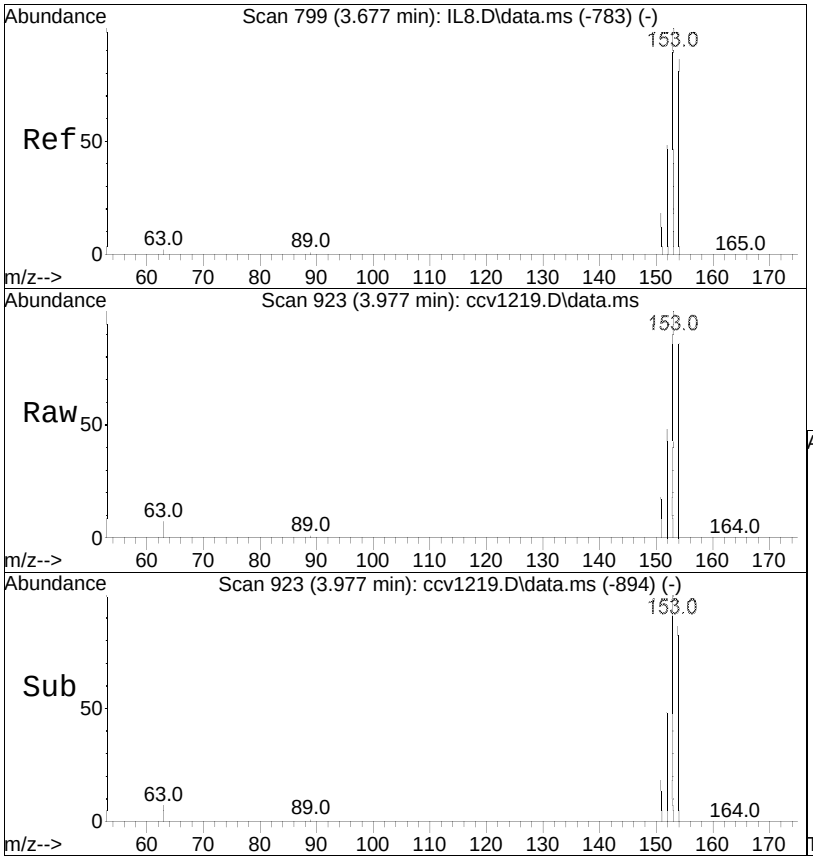


#16
Acenaphthylene
Concen: 927.93 ng/ml
RT: 3.877 min Scan# 887
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:152 Resp: 168487

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

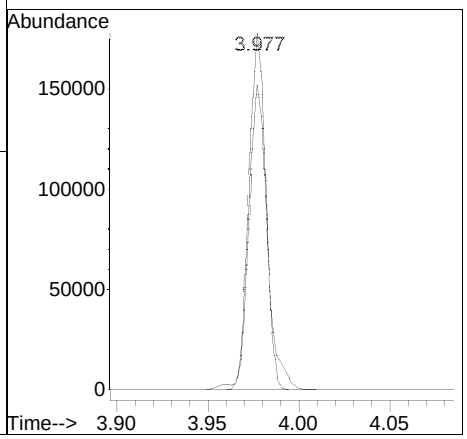


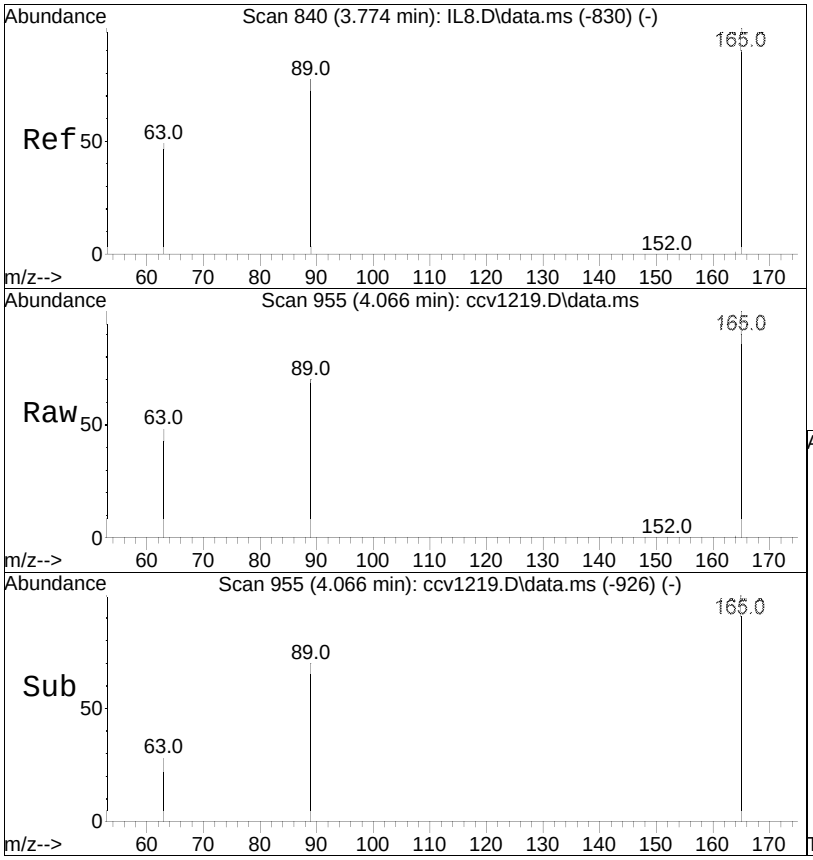


#18
Acenaphthene
Concen: 869.20 ng/ml
RT: 3.977 min Scan# 923
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:153 Resp: 113254

Ion	Ratio	Lower	Upper
153	100		
154	93.8	69.8	104.6

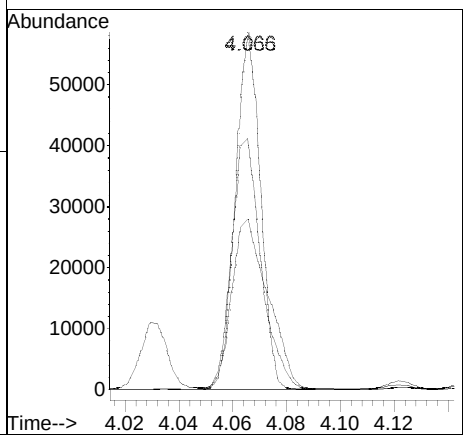


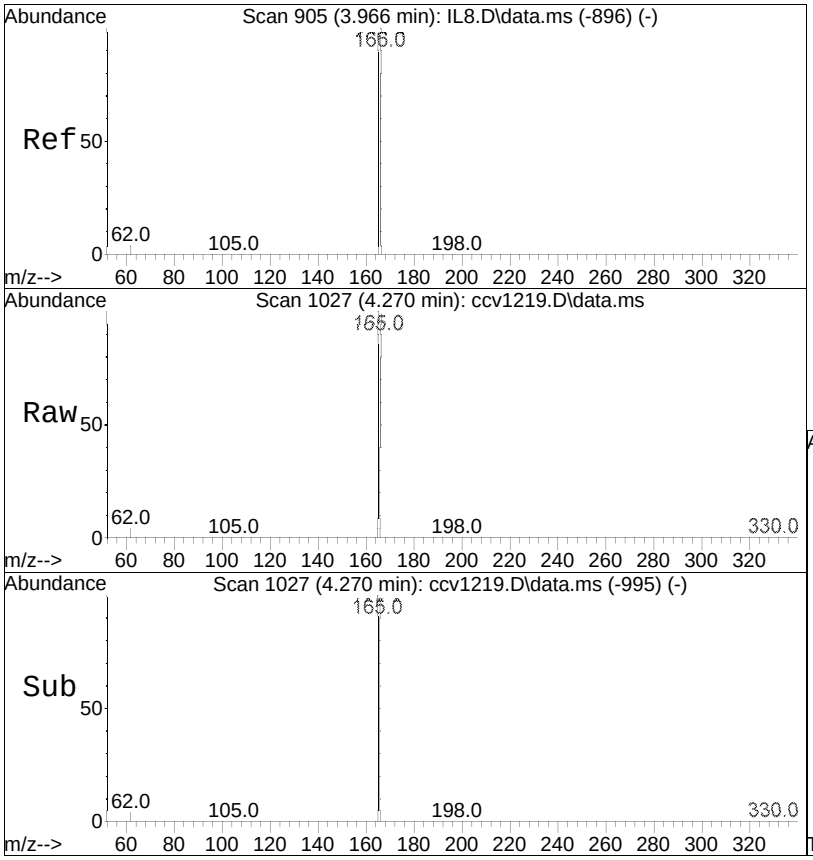


#19
2,4-Dinitrotoluene
Concen: 1028.00 ng/ml
RT: 4.066 min Scan# 955
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:165 Resp: 37294

Ion	Ratio	Lower	Upper
165	100		
89	83.6	65.9	98.9
63	68.9	55.7	83.5

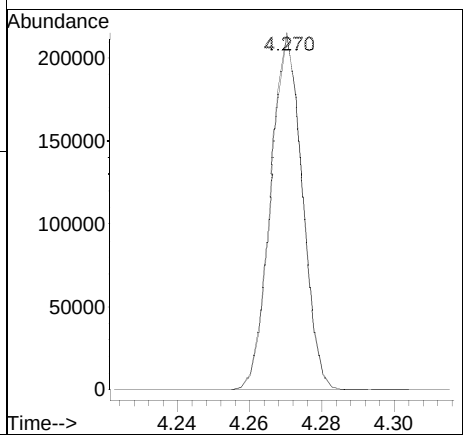


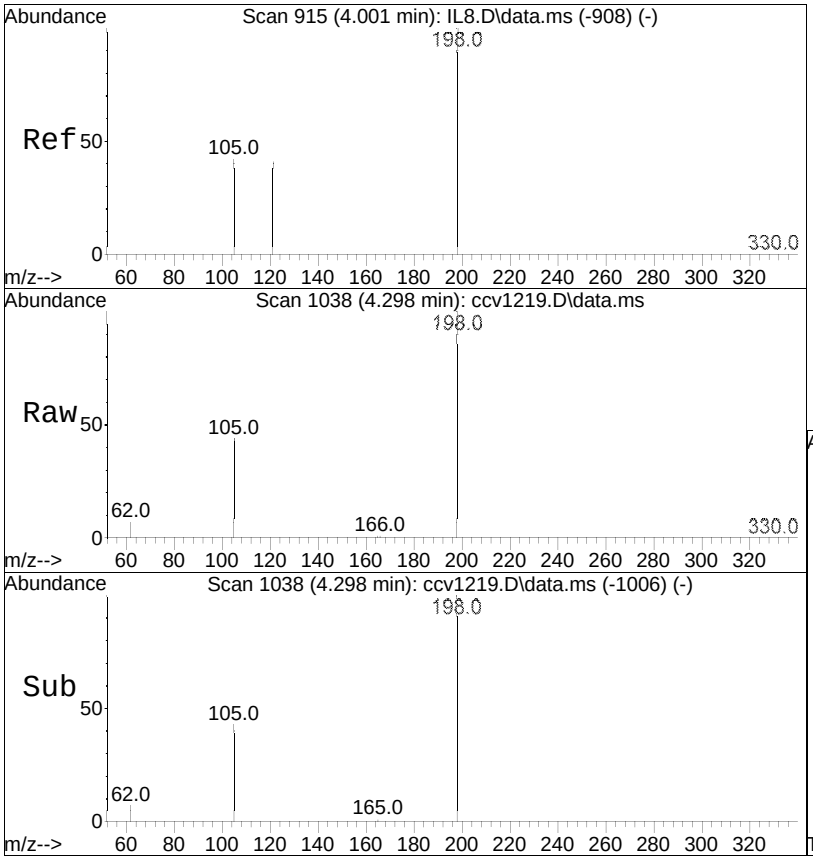


#20
Fluorene
Concen: 916.20 ng/ml
RT: 4.270 min Scan# 1027
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:166 Resp: 129172

Ion	Ratio	Lower	Upper
166	100		
165	101.2	80.1	120.1

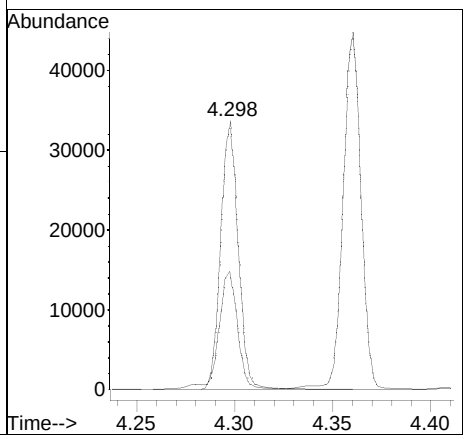


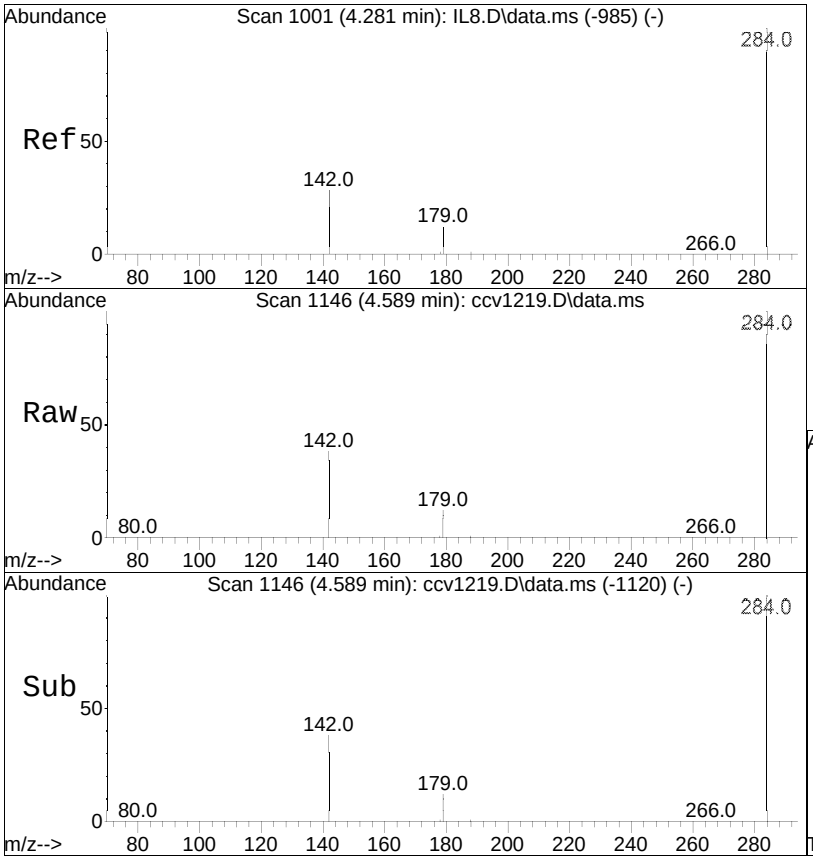


#23
4,6-Dinitro-o-cresol
Concen: 807.37 ng/ml
RT: 4.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:198 Resp: 20852

Ion	Ratio	Lower	Upper
198	100		
105	46.7	35.4	53.2

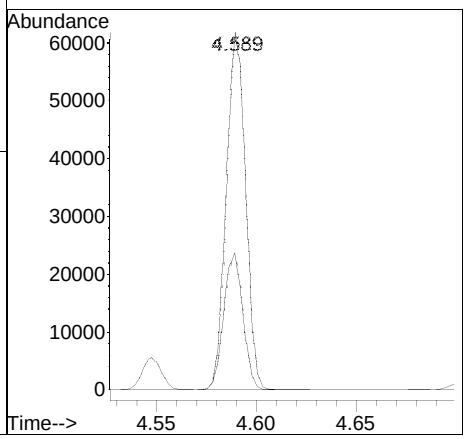


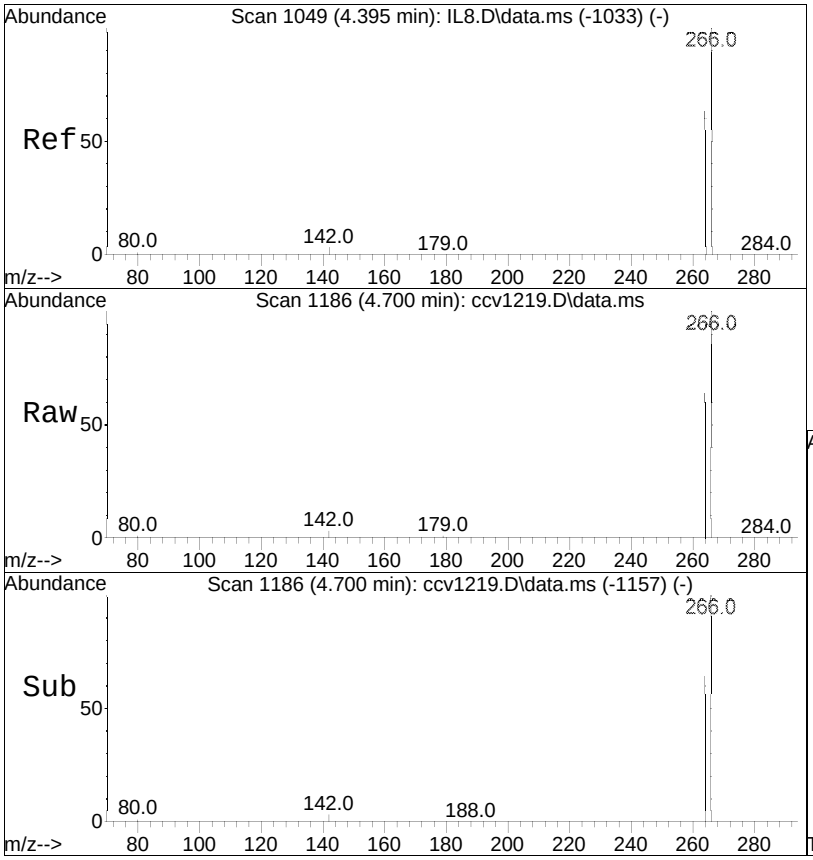


#24
Hexachlorobenzene
Concen: 877.34 ng/ml
RT: 4.589 min Scan# 1146
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:284 Resp: 40684

Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.2	45.2

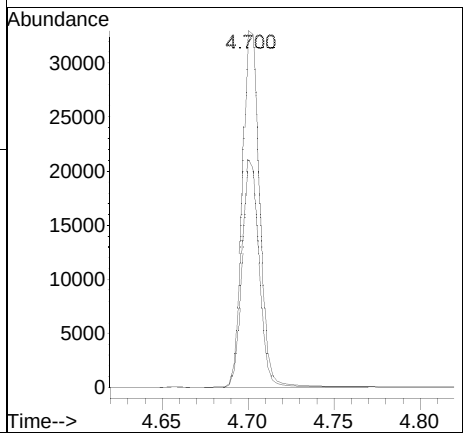


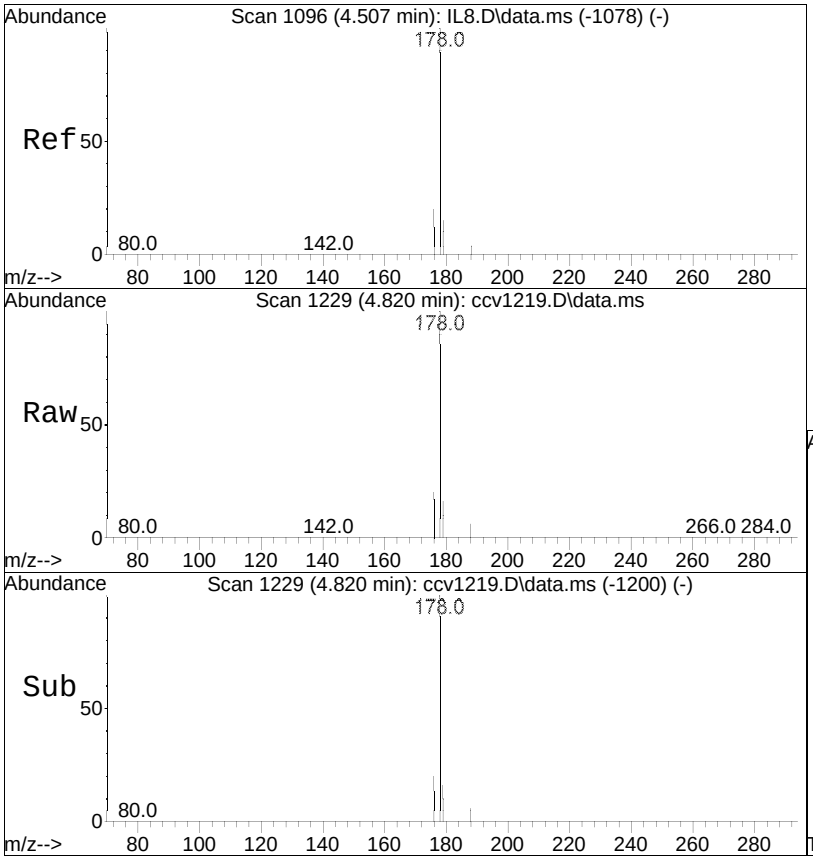


#25
Pentachlorophenol
Concen: 904.31 ng/ml
RT: 4.700 min Scan# 1186
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:266 Resp: 22903

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

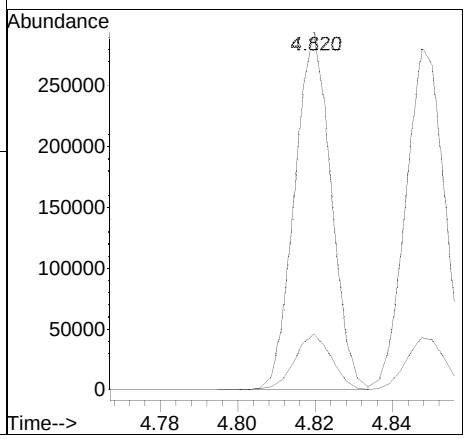


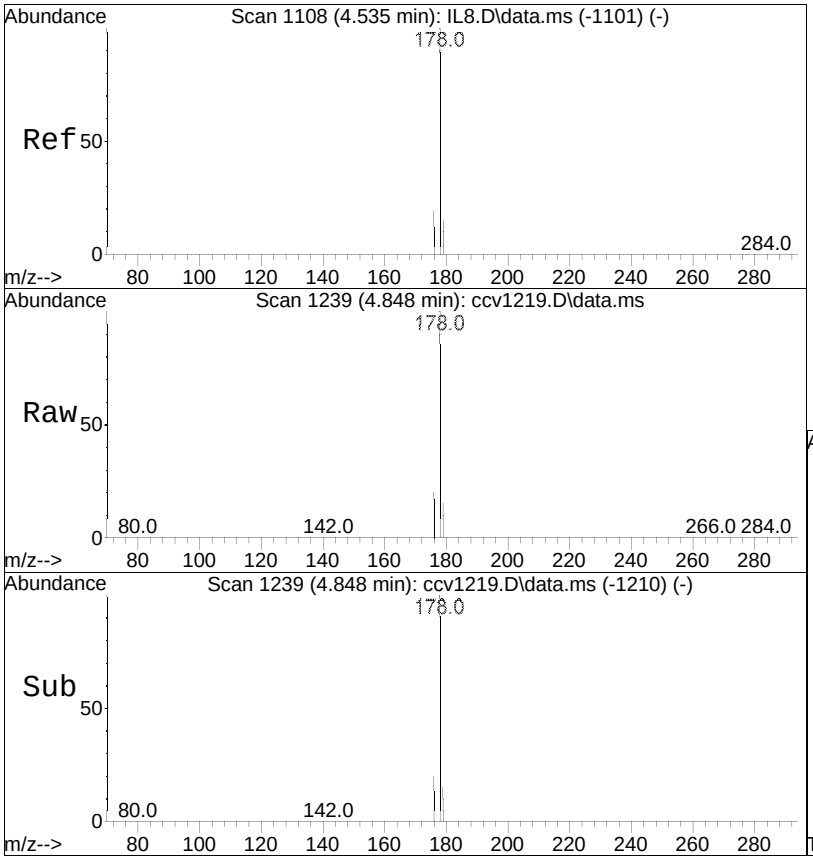


#26
Phenanthrene
Concen: 920.98 ng/ml
RT: 4.820 min Scan# 1229
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:178 Resp: 192673

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7

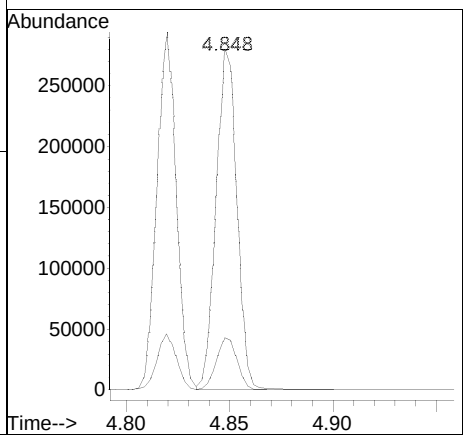


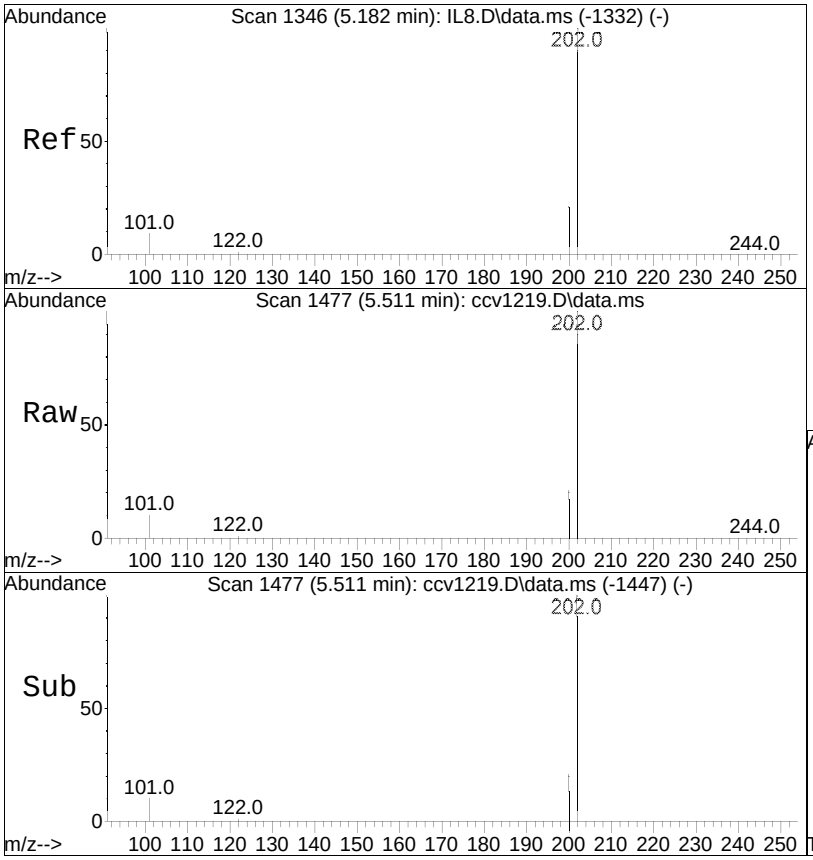


#27
Anthracene
Concen: 907.12 ng/ml
RT: 4.848 min Scan# 1239
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:178 Resp: 196342

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

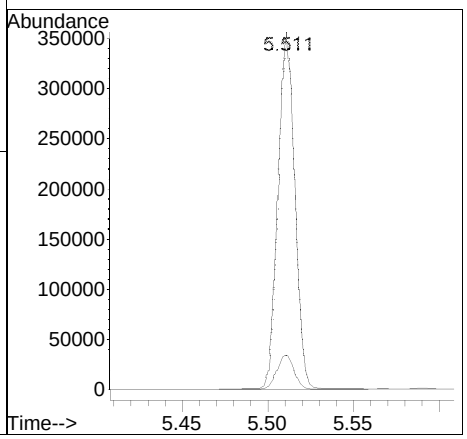


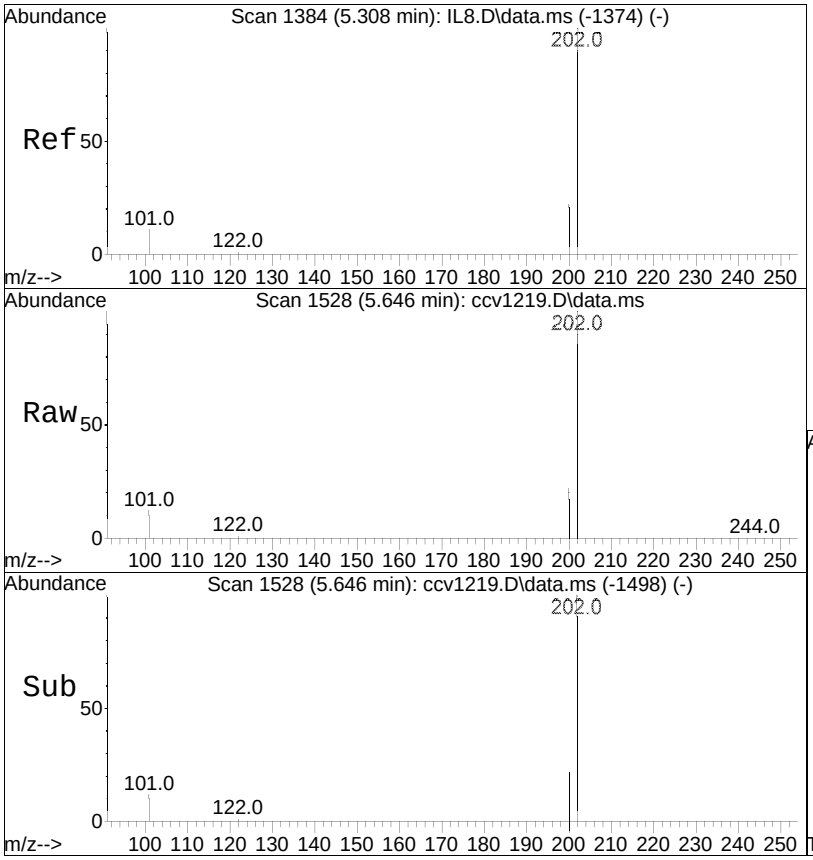


#28
Fluoranthene
Concen: 993.17 ng/ml
RT: 5.511 min Scan# 1477
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:202 Resp: 239311

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6

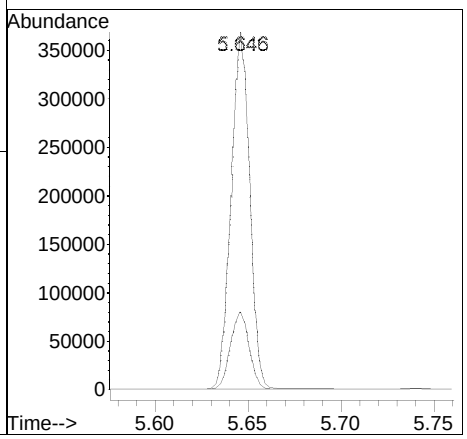


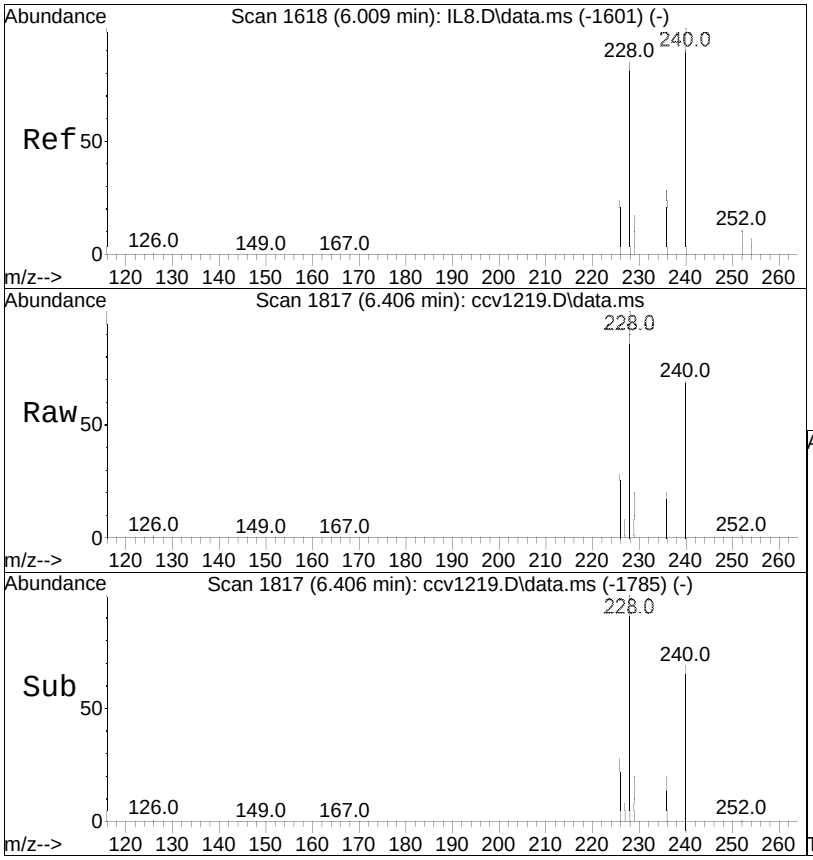


#29
Pyrene
Concen: 1015.91 ng/ml
RT: 5.646 min Scan# 1528
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:202 Resp: 252417

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.5	26.3

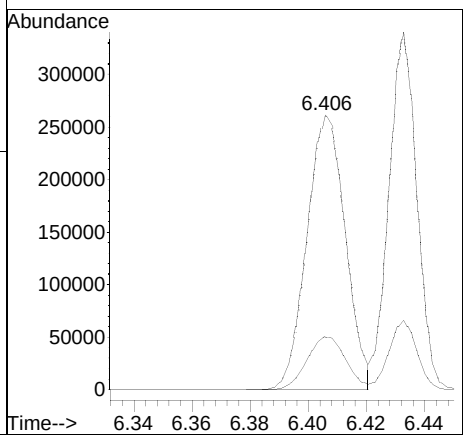


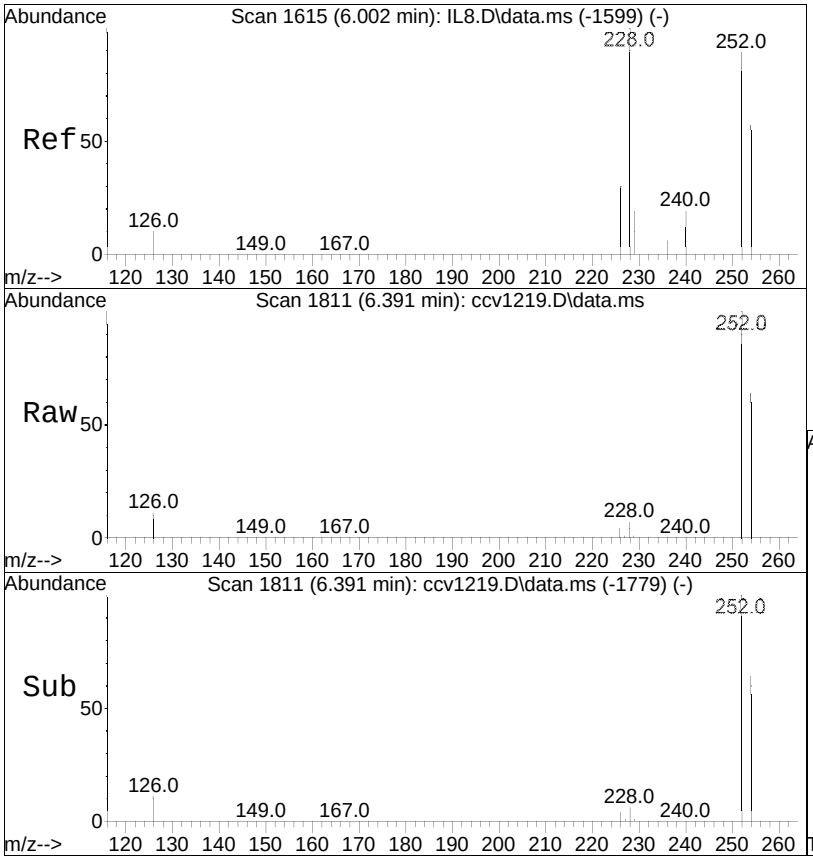


#32
Benzo[a]anthracene
Concen: 894.41 ng/ml
RT: 6.406 min Scan# 1817
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:228 Resp: 240084

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.2	24.4

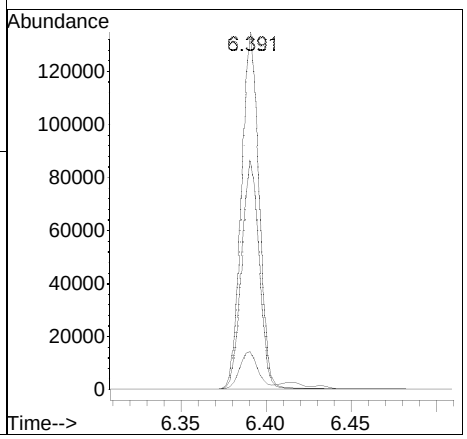


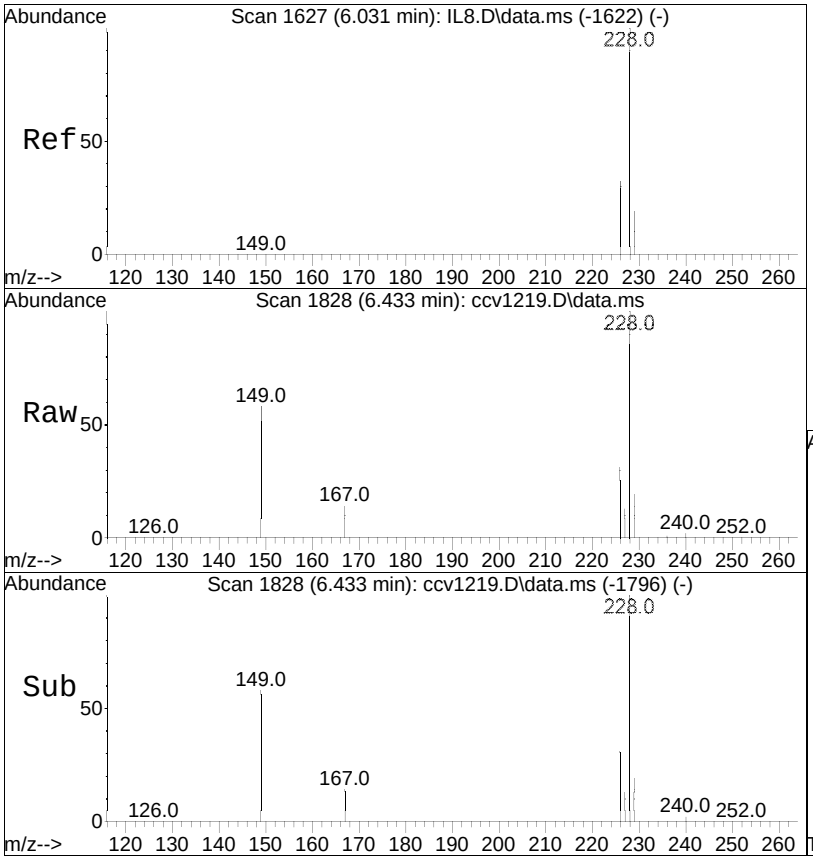


#33
3,3'-Dichlorobenzidine
Concen: 1015.22 ng/ml
RT: 6.391 min Scan# 1811
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:252 Resp: 95792

Ion	Ratio	Lower	Upper
252	100		
126	11.2	10.9	16.3
254	64.4	51.4	77.2

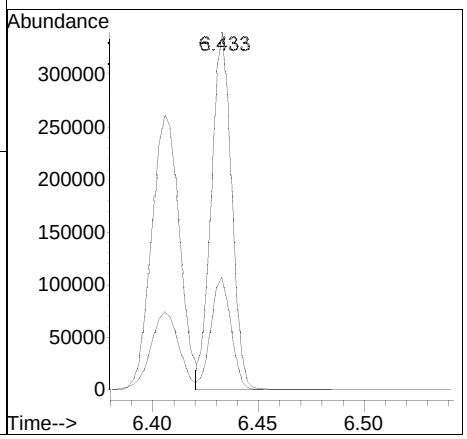


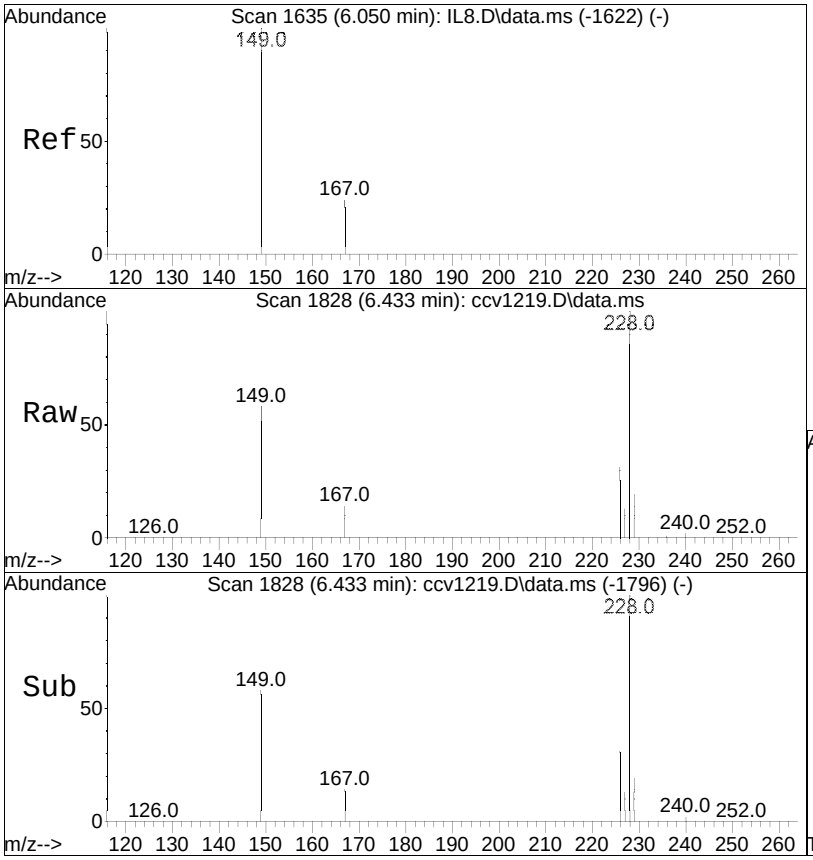


#34
Chrysene
Concen: 979.75 ng/ml
RT: 6.433 min Scan# 1828
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:228 Resp: 226409

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3

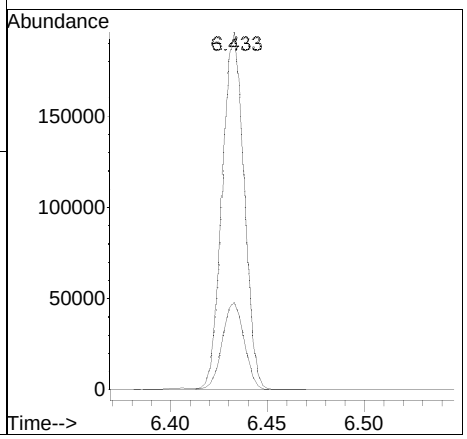


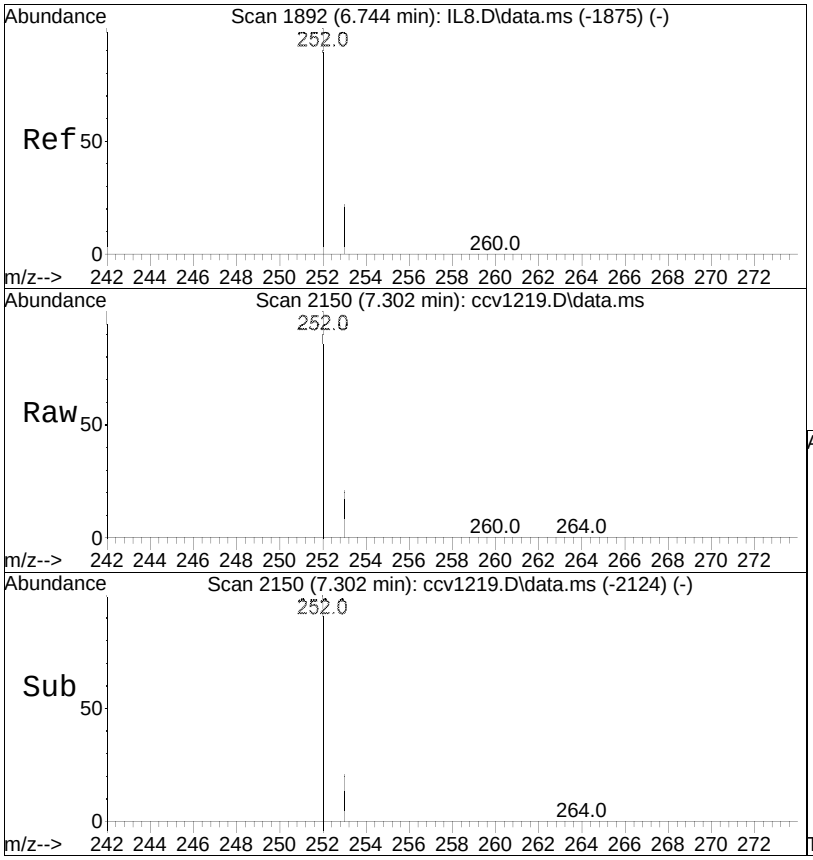


#35
Bis(2-ethylhexyl)phthalate
Concen: 987.62 ng/ml
RT: 6.433 min Scan# 1828
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:149 Resp: 152554

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.6	29.4

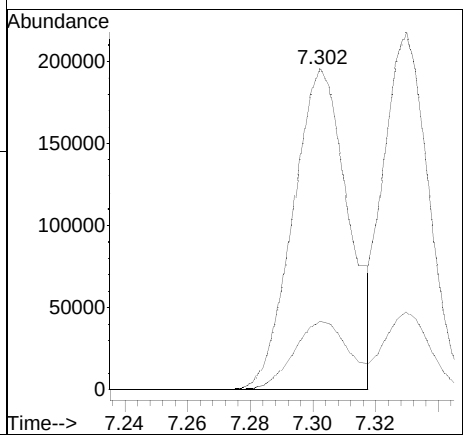


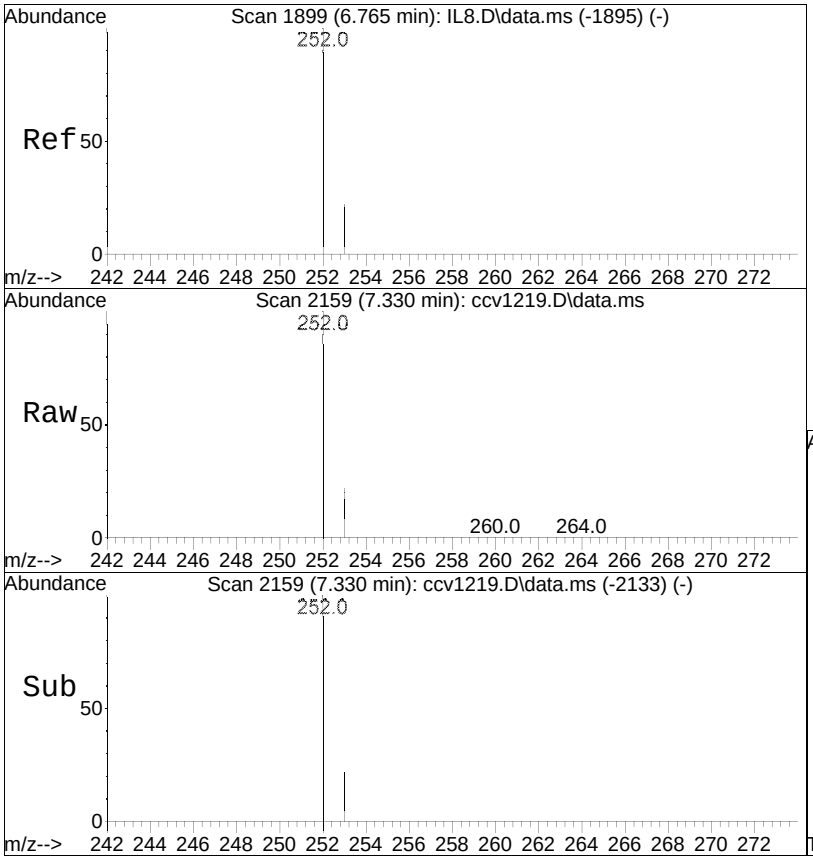


#37
Benzo[b]fluoranthene
Concen: 922.85 ng/ml
RT: 7.302 min Scan# 2150
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:252 Resp: 240958

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0

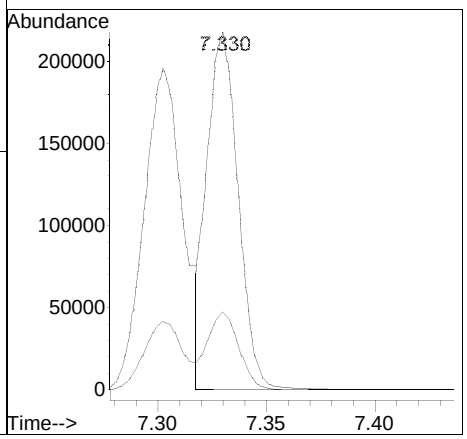


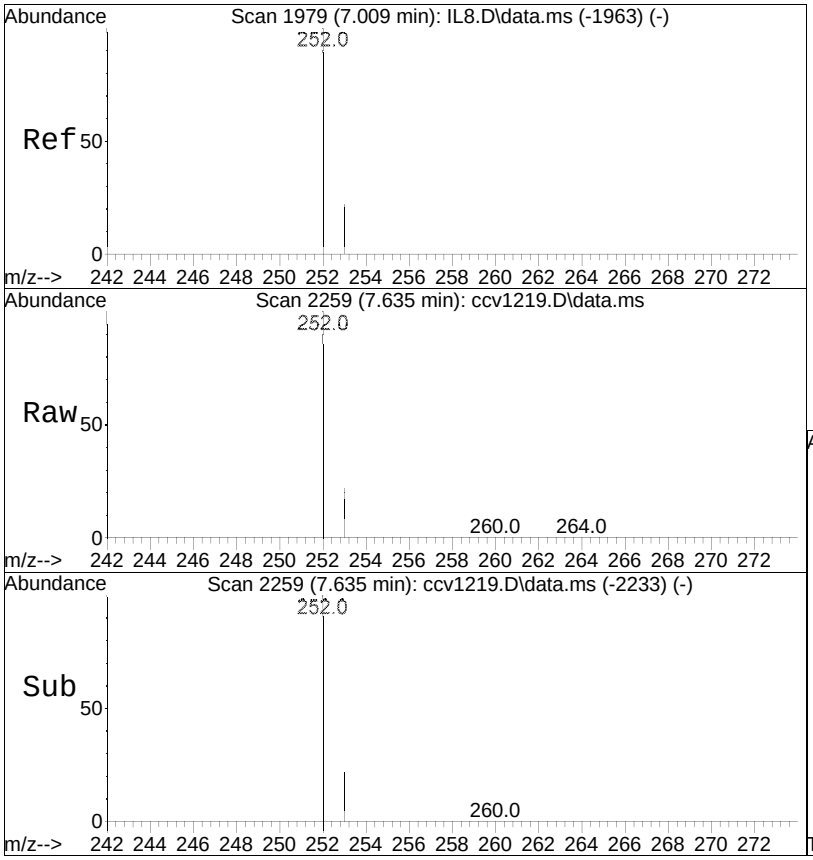


#38
Benzo[k]fluoranthene
Concen: 916.17 ng/ml
RT: 7.330 min Scan# 2159
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:252 Resp: 215050

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

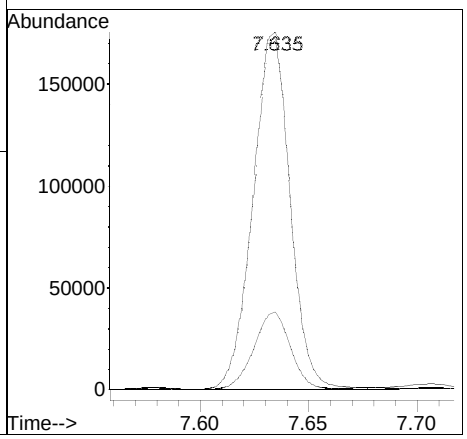


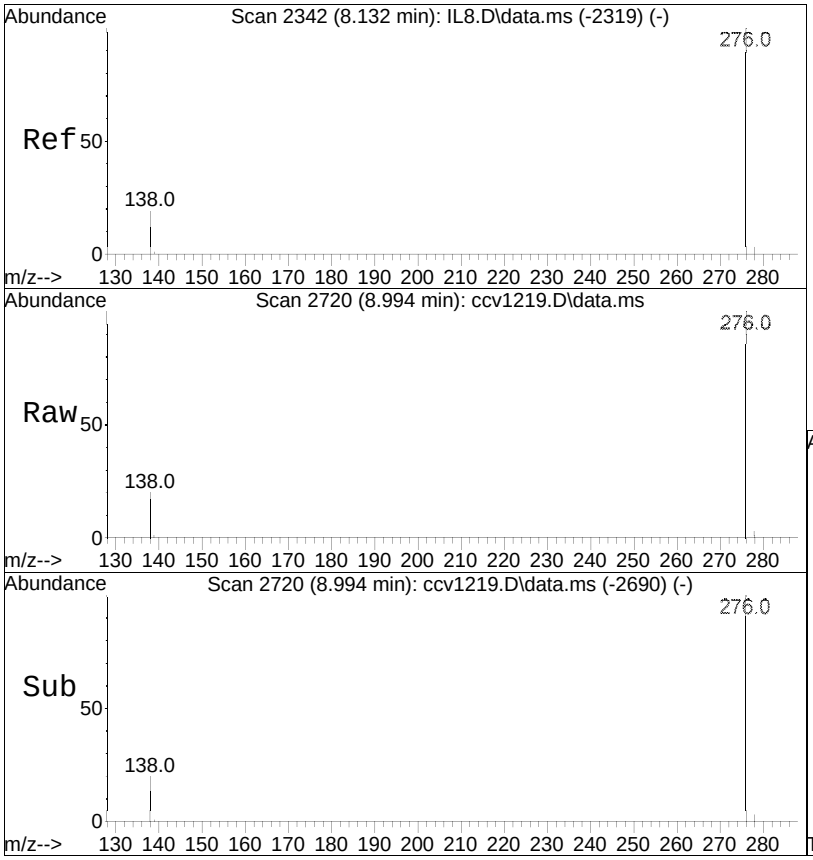


#39
Benzo[a]pyrene
Concen: 964.21 ng/ml
RT: 7.635 min Scan# 2259
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:252 Resp: 206211

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

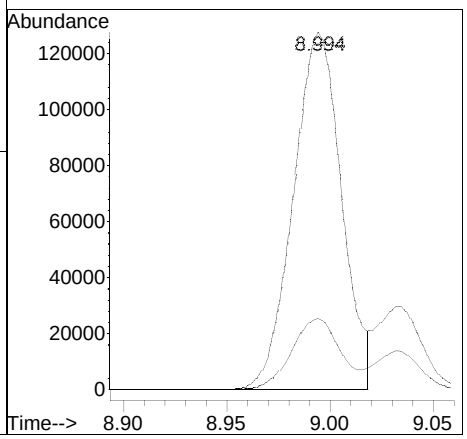


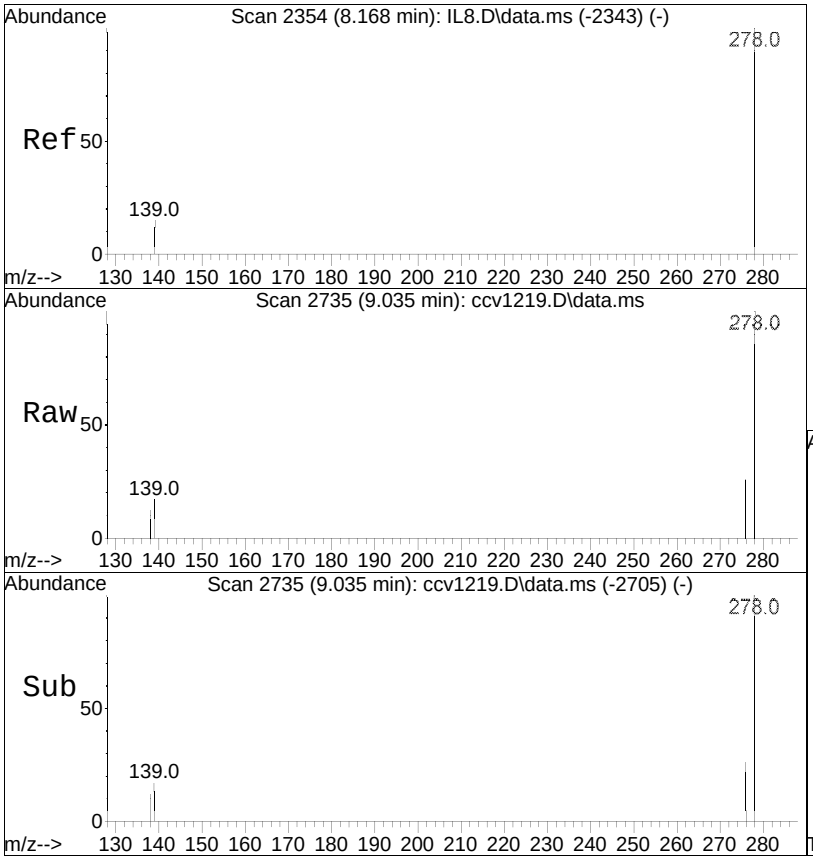


#40
Indeno[1,2,3-cd]pyrene
Concen: 942.96 ng/ml
RT: 8.994 min Scan# 2720
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:276 Resp: 206212

Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.4	23.0

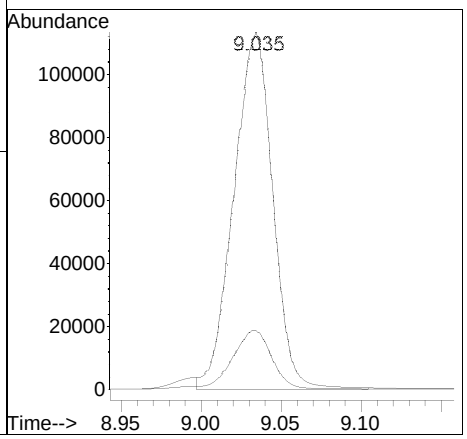


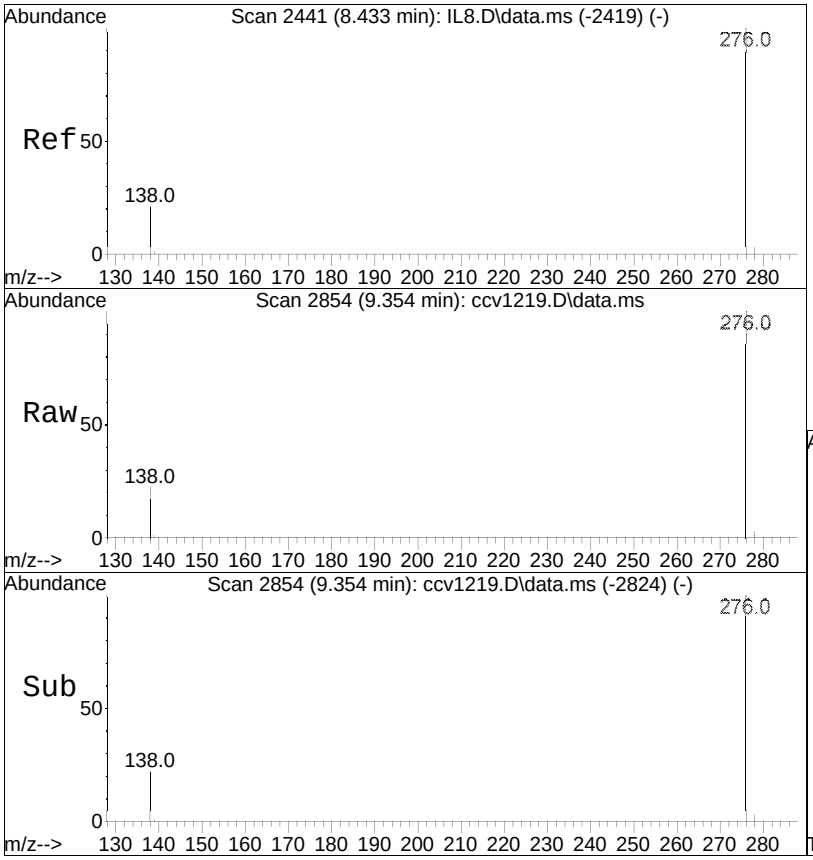


#41
Dibenzo[a,h]anthracene
Concen: 927.88 ng/ml M6
RT: 9.035 min Scan# 2735
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:278 Resp: 190626

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.6

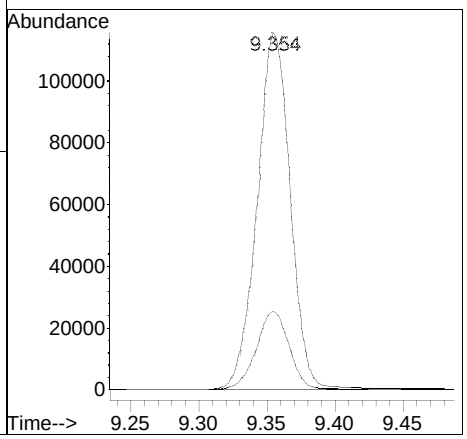




#42
Benzo[g,h,i]perylene
Concen: 902.43 ng/ml
RT: 9.354 min Scan# 2854
Delta R.T. 0.000 min
Lab File: ccv1219.D
Acq: 19 Dec 2024 07:05 am

Tgt Ion:276 Resp: 191670

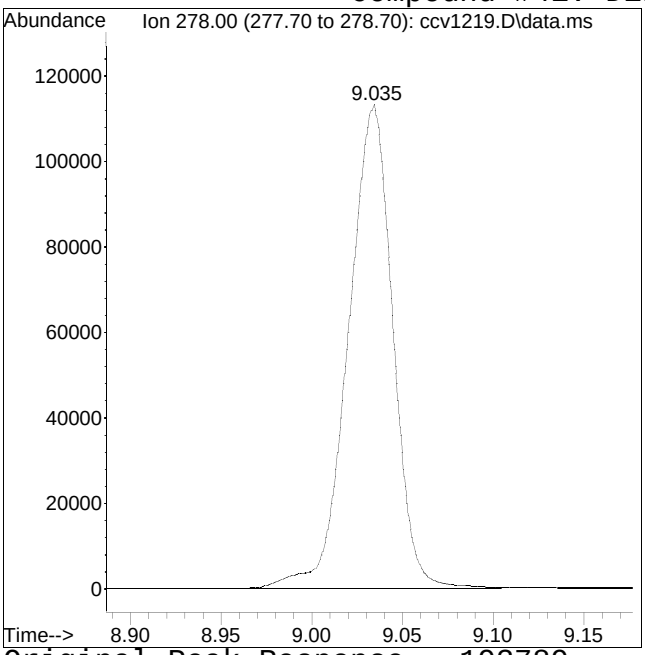
Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.6	25.0



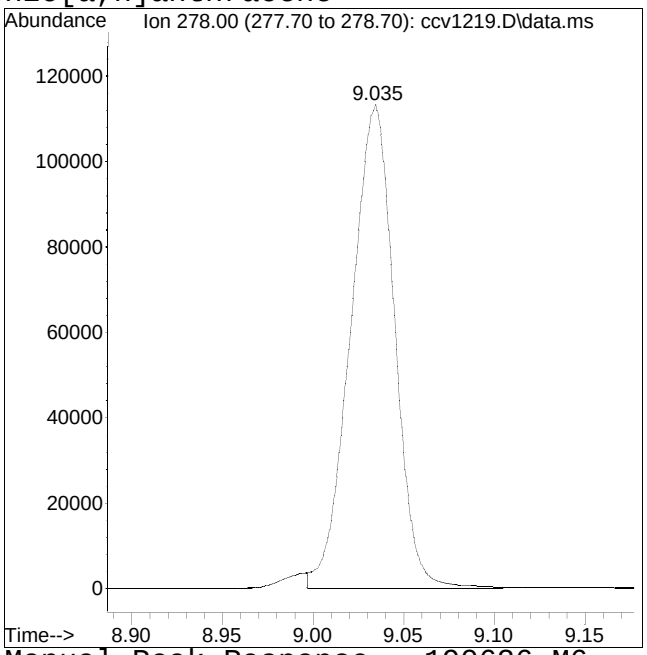
Manual Integration Report

Data Path : I:\8270SIM\sv120\241219RVTQMethod : SIM-RVT_241105_sv120.M
Data File : ccv1219.D Operator : SV120:kmh
Date Inj'd : 12/19/2024 7:05 am Instrument : SV120
Sample : wg2011166-3,32,,ICV 10884 Quant Date : 12/19/2024 7:32 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 193789



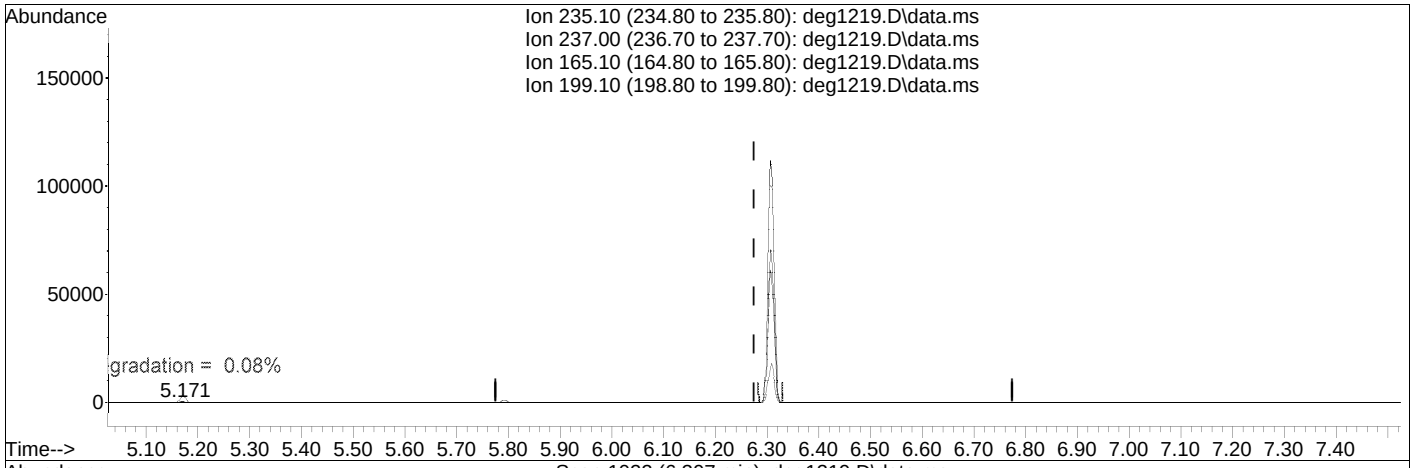
Manual Peak Response = 190626 M6

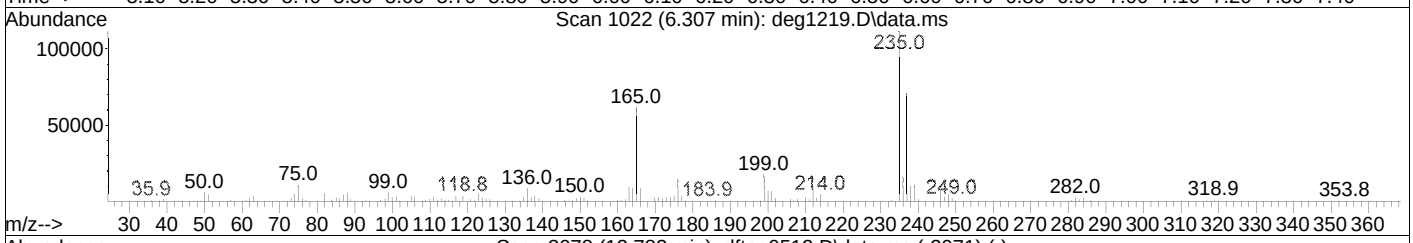
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

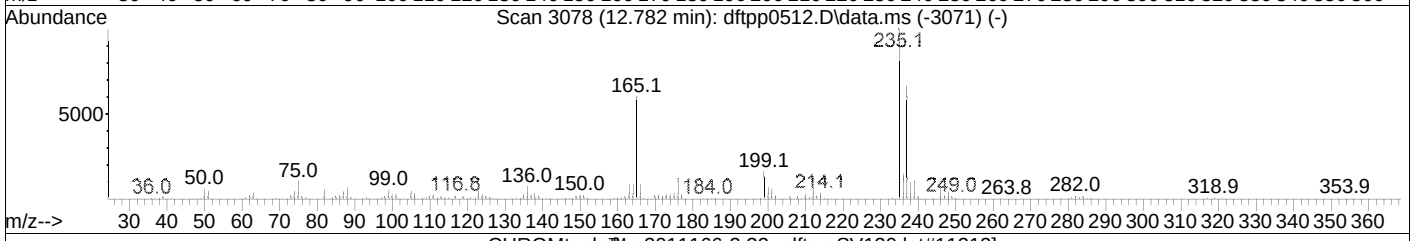
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : deg1219.D
Acq On : 19 Dec 2024 06:47 am
Operator : SV120:kmh
Sample : wg2011166-2,32,, dftpp SV120 lot#11212
Misc : wg2011166,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 19 07:01:02 2024
Quant Method : I:\8270SIM\sv120\241219RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [wg2011166-2,32,, dftpp SV120 lot#11212]

(6) ddt (T)

6.307min (+ 0.032) 14.40

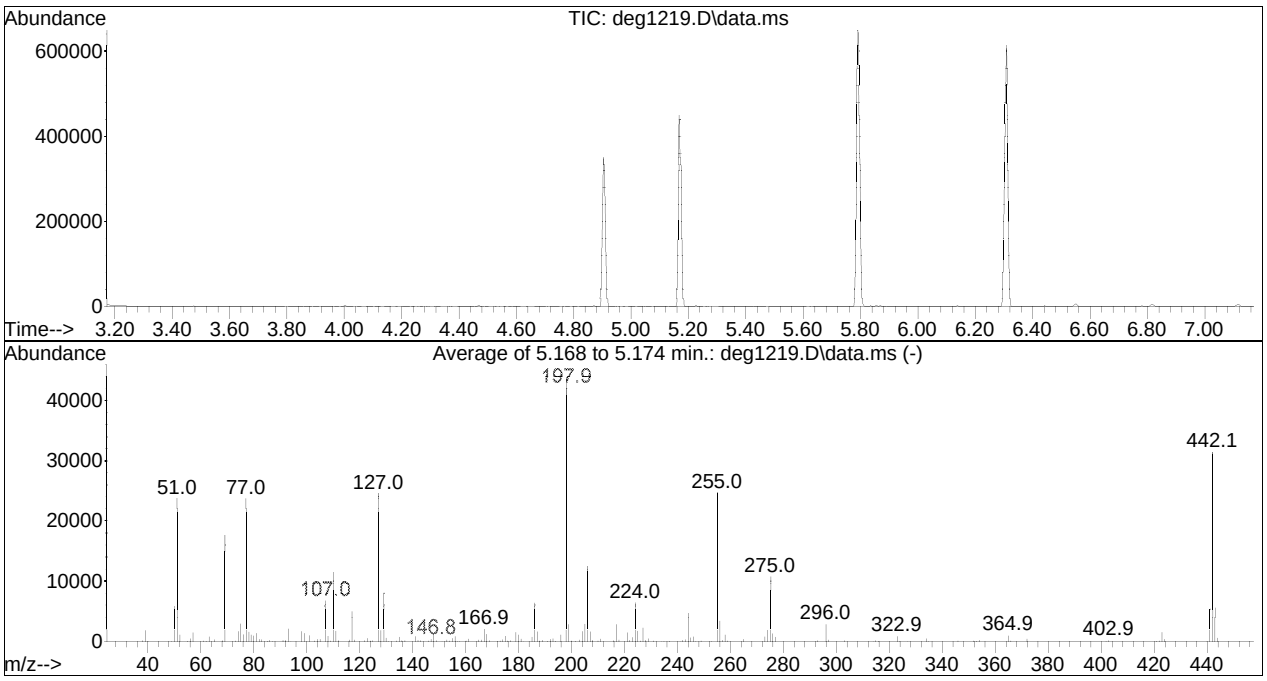
response 87796

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.94
165.10	53.30	54.76
199.10	17.10	15.76

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : deg1219.D
Acq On : 19 Dec 2024 06:47 am
Operator : SV120:kmh
Sample : wg2011166-1,32,, dftpp SV120 lot#11212
Misc : wg2011166,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\241219RVT\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 19 07:31:52 2024



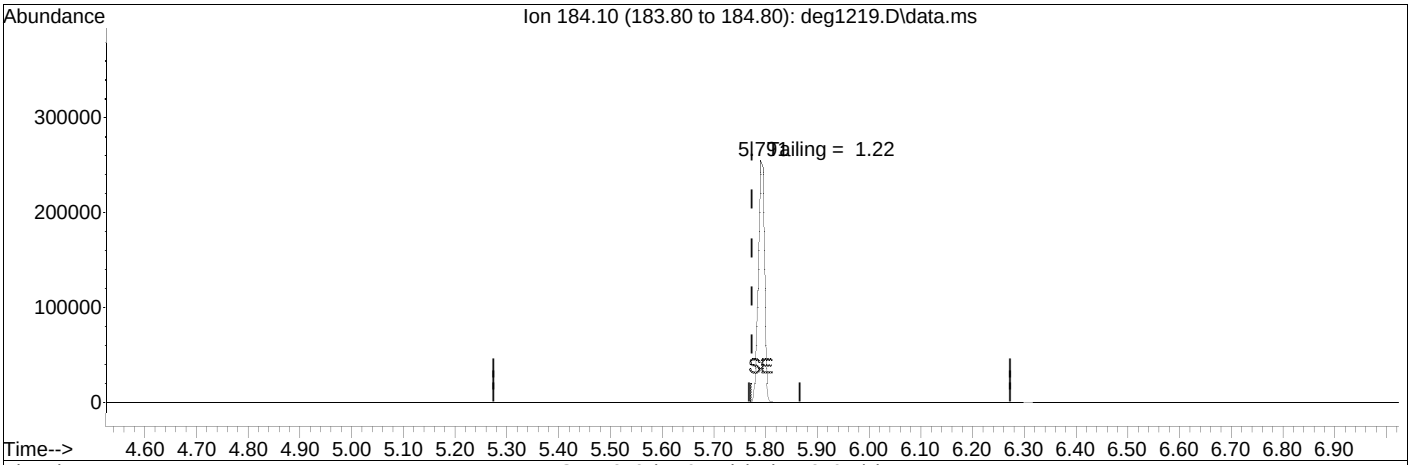
Spectrum Information: Average of 5.168 to 5.174 min.

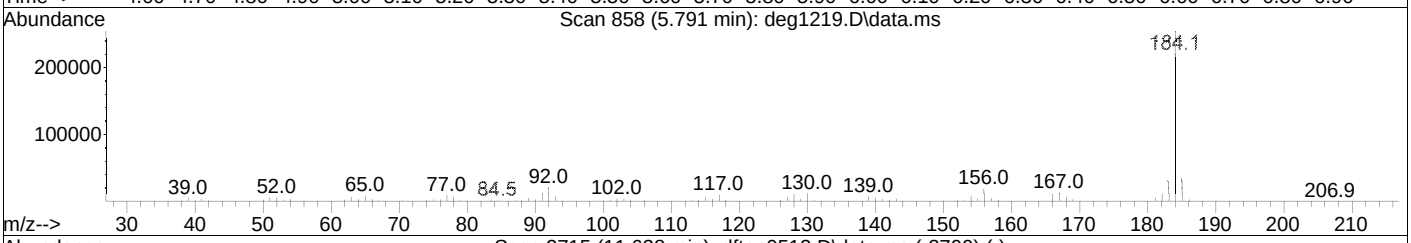
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.1	23725	PASS
68	69	0.00	2	1.6	273	PASS
69	69	100	100	100.0	17565	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	56.1	24573	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	43824	PASS
199	198	5	9	6.5	2864	PASS
275	198	10	60	24.5	10758	PASS
365	198	1	100	2.4	1049	PASS
441	442	0.01	24	17.3	5442	PASS
442	198	50	100	71.7	31440	PASS
443	442	15	24	17.7	5563	PASS

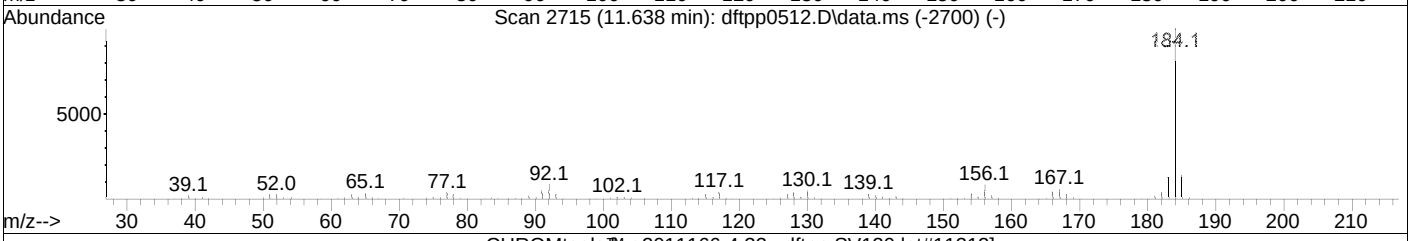
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : deg1219.D
Acq On : 19 Dec 2024 06:47 am
Operator : SV120:kmh
Sample : wg2011166-4,32,, dftpp SV120 lot#11212
Misc : wg2011166,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 19 07:01:02 2024
Quant Method : I:\8270SIM\sv120\241219RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [wg2011166-4,32,, dftpp SV120 lot#11212]

(3) benzidine (T)

5.791min (+ 0.017) 19.82

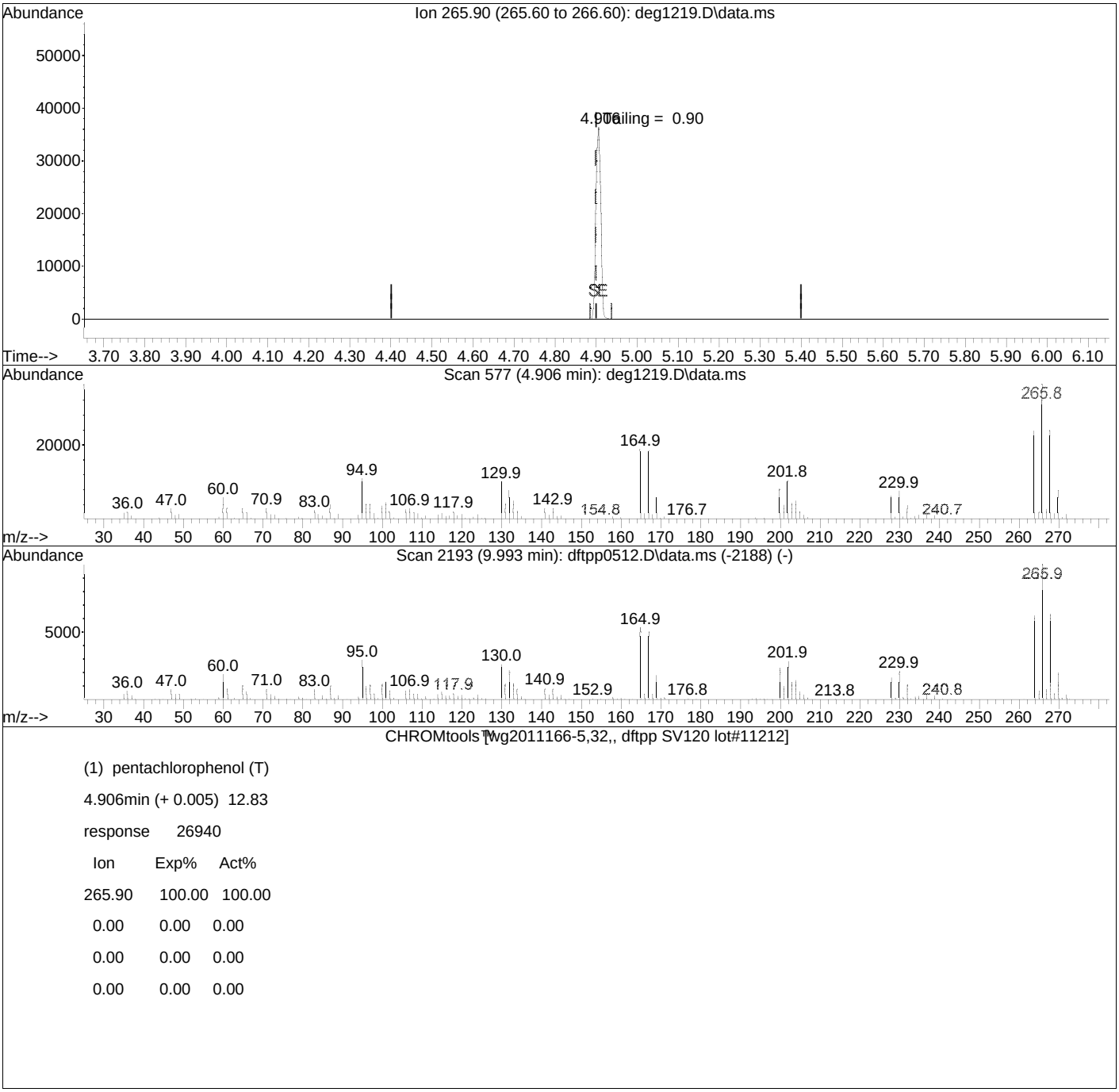
response 201727

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : deg1219.D
Acq On : 19 Dec 2024 06:47 am
Operator : SV120:kmh
Sample : wg2011166-5,32,, dftpp SV120 lot#11212
Misc : wg2011166,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 19 07:01:02 2024
Quant Method : I:\8270SIM\sv120\241219RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools [wg2011166-5,32,, dftpp SV120 lot#11212]

(1) pentachlorophenol (T)

4.906min (+ 0.005) 12.83

response 26940

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV118		Calibration Date	: 12/17/24 07:02	
Lab File ID	: CCV1217A		Init. Calib. Date(s)	: 10/25/24	10/25/24
Sample No	: WG2010053-3		Init. Calib. Times	: 16:43	19:21
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	58	0
2-Fluorophenol	1.131	1.126	.01	0.4	20	59	0
Phenol-d6	1.39	1.313	.01	5.5	20	55	0
Bis(2-chloroethyl)ether	1000	954.438	.01	4.6	20	55	0
n-nitrosodi-n-propylamine	0.879	0.864	.01	1.7	20	58	0
Hexachloroethane	0.502	0.513	.01	-2.2	20	60	0
Nitrobenzene-d5	0.897	1.225	.01	-36.6*	20	76	0
Naphthalene-d8	1	1	.01	0	20	62	0
Naphthalene	1.053	0.908	.01	13.8	20	55	0
Hexachlorobutadiene	0.187	0.17	.01	9.1	20	57	0
2-Methylnaphthalene	0.674	0.743	.01	-10.2	20	69	0
1-Methylnaphthalene	0.627	0.678	.01	-8.1	20	68	0
2-Fluorobiphenyl	0.769	0.844	.01	-9.8	20	70	0
2-Chloronaphthalene	0.677	0.718	.01	-6.1	20	66	0
2,6-Dinitrotoluene	0.092	0.163	.01	-77.2*	20	104	0
Acenaphthylene	1.002	1.109	.01	-10.7	20	67	0
Acenaphthene-d10	1	1	.01	0	20	77	0
Acenaphthene	1.308	1.095	.01	16.3	20	67	0
2,4-Dinitrotoluene	1000	1265.669	.01	-26.6*	20	106	0
Fluorene	1.393	1.223	.01	12.2	20	68	0
2,4,6-Tribromophenol	0.184	0.21	.01	-14.1	20	83	0
Phenanthrene-d10	1	1	.01	0	20	76	0
4,6-Dinitro-o-cresol	1000	1565.767	.01	-56.6*	20	130	0
Hexachlorobenzene	0.263	0.221	.01	16	20	65	0
Pentachlorophenol	0.098	0.089	.01	9.2	20	62	0
Phenanthrene	1.086	0.884	.01	18.6	20	65	0
Anthracene	1.066	0.926	.01	13.1	20	66	0
Fluoranthene	1.216	0.987	.01	18.8	20	63	0
Pyrene	1.291	1.042	.01	19.3	20	62	0
4-Terphenyl-d14	0.818	0.694	.01	15.2	20	67	0
Chrysene-d12	1	1	.01	0	20	72	0
Benzo[a]anthracene	0.392	0.301	.01	23.2*	20	60	0
3,3'-Dichlorobenzidine	0.418	0.425	.01	-1.7	20	64	0
Chrysene	1.207	1.022	.01	15.3	20	61	0
Bis(2-ethylhexyl)phthalate	0.696	0.721	.01	-3.6	20	70	0
Perylene-d12	1	1	.01	0	20	68	0
Benzo[b]fluoranthene	1.031	1.006	.01	2.4	20	64	0
Benzo[k]fluoranthene	1.093	0.997	.01	8.8	20	59	0
Benzo[a]pyrene	0.911	0.883	.01	3.1	20	61	0
Indeno[1,2,3-cd]pyrene	0.849	0.822	.01	3.2	20	58	0
Dibenzo[a,h]anthracene	0.865	0.841	.01	2.8	20	61	0
Benzo[g,h,i]perylene	0.89	0.803	.01	9.8	20	58	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/18/24 06:38	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010570-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	137	0
2-Fluorophenol	1.177	1.103	.05	6.3	20	131	0
Phenol-d6	1.447	1.406	.05	2.8	20	135	0
Bis(2-chloroethyl)ether	1000	863.398	.05	13.7	20	124	0
n-nitrosodi-n-propylamine	0.873	0.85	.05	2.6	20	134	0
Hexachloroethane	0.524	0.486	.05	7.3	20	129	0
Nitrobenzene-d5	1.277	1.259	.05	1.4	20	135	0
Naphthalene-d8	1	1	.05	0	20	142	0
Naphthalene	1	0.883	.05	11.7	20	132	0
Hexachlorobutadiene	0.189	0.165	.05	12.7	20	129	0
2-Methylnaphthalene	0.694	0.637	.05	8.2	20	136	0
1-Methylnaphthalene	0.639	0.578	.05	9.5	20	135	0
2-Fluorobiphenyl	0.806	0.689	.05	14.5	20	131	0
2-Chloronaphthalene	0.689	0.608	.05	11.8	20	134	0
2,6-Dinitrotoluene	0.156	0.148	.05	5.1	20	138	0
Acenaphthylene	0.994	0.931	.05	6.3	20	135	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.207	1.053	.05	12.8	20	133	0
2,4-Dinitrotoluene	0.336	0.342	.05	-1.8	20	140	0
Fluorene	1.306	1.211	.05	7.3	20	138	0
2,4,6-Tribromophenol	0.159	0.163	.05	-2.5	20	141	0
Phenanthrene-d10	1	1	.05	0	20	144	0
4,6-Dinitro-o-cresol	1000	885.239	.05	11.5	20	136	0
Hexachlorobenzene	0.211	0.192	.05	9	20	138	0
Pentachlorophenol	1000	1080.516	.05	-8.1	20	160	0
Phenanthrene	0.953	0.887	.05	6.9	20	134	0
Anthracene	0.986	0.902	.05	8.5	20	134	0
Fluoranthene	1.098	0.999	.05	9	20	138	0
Pyrene	1.132	1.027	.05	9.3	20	137	0
4-Terphenyl-d14	0.727	0.588	.05	19.1	20	122	0
Chrysene-d12	1	1	.05	0	20	133	0
Benzo[a]anthracene	1000	897.577	.05	10.2	20	122	0
3,3'-Dichlorobenzidine	0.432	0.421	.05	2.5	20	127	0
Chrysene	1.059	1.015	.05	4.2	20	119	0
Bis(2-ethylhexyl)phthalate	0.708	0.694	.05	2	20	128	0
Perylene-d12	1	1	.05	0	20	116	0
Benzo[b]fluoranthene	1.214	1.099	.05	9.5	20	109	0
Benzo[k]fluoranthene	1.091	1.038	.05	4.9	20	107	0
Benzo[a]pyrene	0.994	0.946	.05	4.8	20	107	0
Indeno[1,2,3-cd]pyrene	1.017	0.846	.05	16.8	20	95	0
Dibenzo[a,h]anthracene	0.955	0.785	.05	17.8	20	95	0
Benzo[g,h,i]perylene	0.987	0.775	.05	21.5*	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/18/24 06:44	
Lab File ID	: CCV1218		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2010584-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	132	0
2-Fluorophenol	1.075	0.983	.05	8.6	20	124	0
Phenol-d6	1.36	1.246	.05	8.4	20	126	0
Bis(2-chloroethyl)ether	1000	887.741	.05	11.2	20	125	0
n-nitrosodi-n-propylamine	0.775	0.749	.05	3.4	20	123	0
Hexachloroethane	0.503	0.461	.05	8.3	20	124	0
Nitrobenzene-d5	1.158	1.122	.05	3.1	20	124	0
Naphthalene-d8	1	1	.05	0	20	143	0
Naphthalene	1.074	0.966	.05	10.1	20	133	0
Hexachlorobutadiene	0.22	0.173	.05	21.4*	20	115	0
2-Methylnaphthalene	0.724	0.661	.05	8.7	20	132	0
1-Methylnaphthalene	0.677	0.614	.05	9.3	20	133	0
2-Fluorobiphenyl	0.89	0.744	.05	16.4	20	123	0
2-Chloronaphthalene	0.758	0.664	.05	12.4	20	126	0
2,6-Dinitrotoluene	0.173	0.166	.05	4	20	129	0
Acenaphthylene	1.076	1.009	.05	6.2	20	128	0
Acenaphthene-d10	1	1	.05	0	20	142	0
Acenaphthene	1.289	1.136	.05	11.9	20	131	0
2,4-Dinitrotoluene	0.376	0.378	.05	-0.5	20	134	0
Fluorene	1.423	1.233	.05	13.4	20	127	0
2,4,6-Tribromophenol	0.217	0.201	.05	7.4	20	115	0
Phenanthrene-d10	1	1	.05	0	20	140	0
4,6-Dinitro-o-cresol	1000	886.851	.05	11.3	20	125	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	114	0
Pentachlorophenol	1000	888.794	.05	11.1	20	113	0
Phenanthrene	1.105	0.959	.05	13.2	20	128	0
Anthracene	1.064	0.974	.05	8.5	20	127	0
Fluoranthene	1.27	1.12	.05	11.8	20	125	0
Pyrene	1.342	1.191	.05	11.3	20	126	0
4-Terphenyl-d14	0.922	0.735	.05	20.3*	20	117	0
Chrysene-d12	1	1	.05	0	20	138	0
Benzo[a]anthracene	1000	951.499	.05	4.9	20	125	0
3,3'-Dichlorobenzidine	0.448	0.453	.05	-1.1	20	129	0
Chrysene	1.132	1.084	.05	4.2	20	123	0
Bis(2-ethylhexyl)phthalate	0.648	0.774	.05	-19.4	20	155	0
Perylene-d12	1	1	.05	0	20	147	0
Benzo[b]fluoranthene	1.113	0.952	.05	14.5	20	123	0
Benzo[k]fluoranthene	1.017	0.952	.05	6.4	20	132	0
Benzo[a]pyrene	0.923	0.873	.05	5.4	20	130	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	136	0
Dibenzo[a,h]anthracene	0.913	0.917	.05	-0.4	20	139	0
Benzo[g,h,i]perylene	0.963	0.907	.05	5.8	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV120		Calibration Date	: 12/19/24 07:05	
Lab File ID	: CCV1219		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011166-3		Init. Calib. Times	: 07:30	09:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	68	0
2-Fluorophenol	1.177	1.098	.05	6.7	20	65	0
Phenol-d6	1.447	1.362	.05	5.9	20	65	0
Bis(2-chloroethyl)ether	1000	914.932	.05	8.5	20	65	0
n-nitrosodi-n-propylamine	0.873	0.809	.05	7.3	20	63	0
Hexachloroethane	0.524	0.478	.05	8.8	20	63	0
Nitrobenzene-d5	1.277	1.203	.05	5.8	20	64	0
Naphthalene-d8	1	1	.05	0	20	69	0
Naphthalene	1	0.887	.05	11.3	20	65	0
Hexachlorobutadiene	0.189	0.166	.05	12.2	20	63	0
2-Methylnaphthalene	0.694	0.625	.05	9.9	20	65	0
1-Methylnaphthalene	0.639	0.573	.05	10.3	20	66	0
2-Fluorobiphenyl	0.806	0.688	.05	14.6	20	64	0
2-Chloronaphthalene	0.689	0.597	.05	13.4	20	64	0
2,6-Dinitrotoluene	0.156	0.146	.05	6.4	20	67	0
Acenaphthylene	0.994	0.922	.05	7.2	20	65	0
Acenaphthene-d10	1	1	.05	0	20	71	0
Acenaphthene	1.207	1.049	.05	13.1	20	65	0
2,4-Dinitrotoluene	0.336	0.346	.05	-3	20	69	0
Fluorene	1.306	1.197	.05	8.3	20	67	0
2,4,6-Tribromophenol	0.159	0.161	.05	-1.3	20	68	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	807.375	.05	19.3	20	65	0
Hexachlorobenzene	0.211	0.185	.05	12.3	20	69	0
Pentachlorophenol	1000	904.308	.05	9.6	20	69	0
Phenanthrene	0.953	0.878	.05	7.9	20	69	0
Anthracene	0.986	0.895	.05	9.2	20	69	0
Fluoranthene	1.098	1.09	.05	0.7	20	79	0
Pyrene	1.132	1.15	.05	-1.6	20	80	0
4-Terphenyl-d14	0.727	0.674	.05	7.3	20	73	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	894.406	.05	10.6	20	81	0
3,3'-Dichlorobenzidine	0.432	0.439	.05	-1.6	20	88	0
Chrysene	1.059	1.038	.05	2	20	81	0
Bis(2-ethylhexyl)phthalate	0.708	0.699	.05	1.3	20	87	0
Perylene-d12	1	1	.05	0	20	90	0
Benzo[b]fluoranthene	1.214	1.12	.05	7.7	20	86	0
Benzo[k]fluoranthene	1.091	1	.05	8.3	20	79	0
Benzo[a]pyrene	0.994	0.959	.05	3.5	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.959	.05	5.7	20	83	0
Dibenzo[a,h]anthracene	0.955	0.886	.05	7.2	20	82	0
Benzo[g,h,i]perylene	0.987	0.891	.05	9.7	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: AKRF, Inc.		Lab Number	: L2473190	
Project Name	: AVALON SITE-PCW		Project Number	: 180017	
Instrument ID	: SV125		Calibration Date	: 12/19/24 19:33	
Lab File ID	: CCV1219N		Init. Calib. Date(s)	: 11/05/24	11/05/24
Sample No	: WG2011538-3		Init. Calib. Times	: 11:10	13:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	122	0
2-Fluorophenol	1.075	1.008	.05	6.2	20	117	0
Phenol-d6	1.36	1.294	.05	4.9	20	121	0
Bis(2-chloroethyl)ether	1000	913.34	.05	8.7	20	119	0
n-nitrosodi-n-propylamine	0.775	0.767	.05	1	20	116	0
Hexachloroethane	0.503	0.469	.05	6.8	20	117	0
Nitrobenzene-d5	1.158	1.156	.05	0.2	20	118	0
Naphthalene-d8	1	1	.05	0	20	133	0
Naphthalene	1.074	0.985	.05	8.3	20	126	0
Hexachlorobutadiene	0.22	0.175	.05	20.5*	20	108	0
2-Methylnaphthalene	0.724	0.672	.05	7.2	20	125	0
1-Methylnaphthalene	0.677	0.622	.05	8.1	20	125	0
2-Fluorobiphenyl	0.89	0.752	.05	15.5	20	115	0
2-Chloronaphthalene	0.758	0.668	.05	11.9	20	118	0
2,6-Dinitrotoluene	0.173	0.172	.05	0.6	20	124	0
Acenaphthylene	1.076	1.029	.05	4.4	20	122	0
Acenaphthene-d10	1	1	.05	0	20	131	0
Acenaphthene	1.289	1.161	.05	9.9	20	124	0
2,4-Dinitrotoluene	0.376	0.391	.05	-4	20	128	0
Fluorene	1.423	1.264	.05	11.2	20	120	0
2,4,6-Tribromophenol	0.217	0.208	.05	4.1	20	111	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	905.541	.05	9.4	20	122	0
Hexachlorobenzene	0.256	0.203	.05	20.7*	20	109	0
Pentachlorophenol	1000	844.068	.05	15.6	20	102	0
Phenanthrene	1.105	0.966	.05	12.6	20	123	0
Anthracene	1.064	0.986	.05	7.3	20	123	0
Fluoranthene	1.27	1.155	.05	9.1	20	124	0
Pyrene	1.342	1.237	.05	7.8	20	125	0
4-Terphenyl-d14	0.922	0.765	.05	17	20	116	0
Chrysene-d12	1	1	.05	0	20	137	0
Benzo[a]anthracene	1000	986.27	.05	1.4	20	129	0
3,3'-Dichlorobenzidine	0.448	0.457	.05	-2	20	129	0
Chrysene	1.132	1.079	.05	4.7	20	122	0
Bis(2-ethylhexyl)phthalate	0.648	0.778	.05	-20.1*	20	155	0
Perylene-d12	1	1	.05	0	20	144	0
Benzo[b]fluoranthene	1.113	0.982	.05	11.8	20	125	0
Benzo[k]fluoranthene	1.017	0.975	.05	4.1	20	133	0
Benzo[a]pyrene	0.923	0.896	.05	2.9	20	132	0
Indeno[1,2,3-cd]pyrene	0.991	0.96	.05	3.1	20	134	0
Dibenzo[a,h]anthracene	0.913	0.908	.05	0.5	20	135	0
Benzo[g,h,i]perylene	0.963	0.893	.05	7.3	20	130	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : ccv1219n.D
Acq On : 19 Dec 2024 07:33 pm
Operator : SV125:slr
Sample : WG2011538-3,32,,ICV 10884 (1130a)
Misc : WG2011538,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 19:49:30 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:03 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
2	s	2-Fluorophenol	1.075	1.008	6.2	117	0.00
3	s	Phenol-d6	1.360	1.294	4.9	121	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	913.340	8.7	119	0.00
5	T	n-nitrosodi-n-propylamine	0.775	0.767	1.0	116	0.00
6	t	Hexachloroethane	0.503	0.469	6.8	117	0.00
7	s	Nitrobenzene-d5	1.158	1.156	0.2	118	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	133	0.00
9	t	Naphthalene	1.074	0.985	8.3	126	0.00
10	t	Hexachlorobutadiene	0.220	0.175	20.5#	108	0.00
11	t	2-Methylnaphthalene	0.724	0.672	7.2	125	0.00
12	t	1-Methylnaphthalene	0.677	0.622	8.1	125	0.00
13	s	2-Fluorobiphenyl	0.890	0.752	15.5	115	0.00
14	t	2-Chloronaphthalene	0.758	0.668	11.9	118	0.00
15	t	2,6-Dinitrotoluene	0.173	0.172	0.6	124	0.00
16	t	Acenaphthylene	1.076	1.029	4.4	122	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	131	0.00
18	t	Acenaphthene	1.289	1.161	9.9	124	0.00
19	t	2,4-Dinitrotoluene	0.376	0.391	-4.0	128	0.00
20	t	Fluorene	1.423	1.264	11.2	120	0.00
21	s	2,4,6-Tribromophenol	0.217	0.208	4.1	111	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	134	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	905.541	9.4	122	0.00
24	t	Hexachlorobenzene	0.256	0.203	20.7#	109	0.00
25	t	Pentachlorophenol	*1000.000	844.068	15.6	102	0.00
26	t	Phenanthrene	1.105	0.966	12.6	123	0.00
27	t	Anthracene	1.064	0.986	7.3	123	0.00
28	t	Fluoranthene	1.270	1.155	9.1	124	0.00
29	t	Pyrene	1.342	1.237	7.8	125	0.00
30	s	4-Terphenyl-d14	0.922	0.765	17.0	116	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	137	0.00
32	t	Benzo[a]anthracene	*1000.000	986.270	1.4	129	0.00
33	t	3,3'-Dichlorobenzidine	0.448	0.457	-2.0	129	0.00
34	t	Chrysene	1.132	1.079	4.7	122	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.648	0.778	-20.1#	155	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : ccv1219n.D
Acq On : 19 Dec 2024 07:33 pm
Operator : SV125:slr
Sample : WG2011538-3,32,,ICV 10884 (1130a)
Misc : WG2011538,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 19:49:30 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:03 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	144	0.00
37	t	Benzo[b]fluoranthene	1.113	0.982	11.8	125	0.00
38	t	Benzo[k]fluoranthene	1.017	0.975	4.1	133	0.00
39	t	Benzo[a]pyrene	0.923	0.896	2.9	132	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.991	0.960	3.1	134	0.00
41	t	Dibenzo[a,h]anthracene	0.913	0.908	0.5	135	0.00
42	t	Benzo[g,h,i]perylene	0.963	0.893	7.3	130	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : ccv1219n.D
Acq On : 19 Dec 2024 07:33 pm
Operator : SV125:slr
Sample : WG2011538-3,32,,ICV 10884 (1130a)
Misc : WG2011538,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 19:49:30 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:03 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.211	152	863572	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.883	136	3299638	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.870	164	2091331	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.719	188	4333620	4000.000	ng/ml	0.00
31) Chrysene-d12	6.284	240	4669030	4000.000	ng/ml	0.00
36) Perylene-d12	7.488	264	5544941	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.619	112	217656	938.015	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.90%			
3) Phenol-d6	2.031	99	279435	951.482	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.57%			
7) Nitrobenzene-d5	2.495	82	249545	998.034	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.80%			
13) 2-Fluorobiphenyl	3.488	172	620187	844.915	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.49%			
21) 2,4,6-Tribromophenol	4.322	330	108883	959.930	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.00%			
30) 4-Terphenyl-d14	5.643	244	828790	829.458	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.95%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.074	93	222296	913.340	ng/ml	97
5) n-nitrosodi-n-propylamine	2.415	70	165488	989.530	ng/ml	92
6) Hexachloroethane	2.470	117	101247	932.650	ng/ml	93
9) Naphthalene	2.893	128	812423	916.893	ng/ml	100
10) Hexachlorobutadiene	2.966	225	144629	798.359	ng/ml	99
11) 2-Methylnaphthalene	3.277	142	554734	928.581	ng/ml	100
12) 1-Methylnaphthalene	3.335	142	512707	918.675	ng/ml	100
14) 2-Chloronaphthalene	3.552	162	550749	880.301	ng/ml	98
15) 2,6-Dinitrotoluene	3.751	165	141615	991.172	ng/ml	95
16) Acenaphthylene	3.787	152	849113	956.210	ng/ml	99
18) Acenaphthene	3.888	153	607127	900.644	ng/ml	92
19) 2,4-Dinitrotoluene	3.983	165	204257	1038.422	ng/ml	94
20) Fluorene	4.182	166	661026	888.202	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.215	198	121266	905.541	ng/ml	96
24) Hexachlorobenzene	4.502	284	220015	791.776	ng/ml	96
25) Pentachlorophenol	4.618	266	109995	844.068	ng/ml	100
26) Phenanthrene	4.731	178	1047076	874.259	ng/ml	100
27) Anthracene	4.762	178	1068696	926.690	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : ccv1219n.D
Acq On : 19 Dec 2024 07:33 pm
Operator : SV125:slr
Sample : WG2011538-3,32,,ICV 10884 (1130a)
Misc : WG2011538,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 19:49:30 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:03 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.416	202	1251849	910.067	ng/ml	95
29) Pyrene	5.550	202	1339835	921.697	ng/ml	99
32) Benzo[a]anthracene	6.278	228	1397196	986.270	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.265	252	533548	1019.446	ng/ml#	99
34) Chrysene	6.300	228	1259422	952.943	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.300	149	908680	1201.701	ng/ml	100
37) Benzo[b]fluoranthene	7.115	252	1361605	882.464	ng/ml	100
38) Benzo[k]fluoranthene	7.138	252	1351976	958.783	ng/ml	100
39) Benzo[a]pyrene	7.421	252	1242300	970.778	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.694	276	1331106	968.532	ng/ml#	89
41) Dibenzo[a,h]anthracene	8.726	278	1259121M6	994.633	ng/ml	
42) Benzo[g,h,i]perylene	9.031	276	1238268	927.300	ng/ml#	88

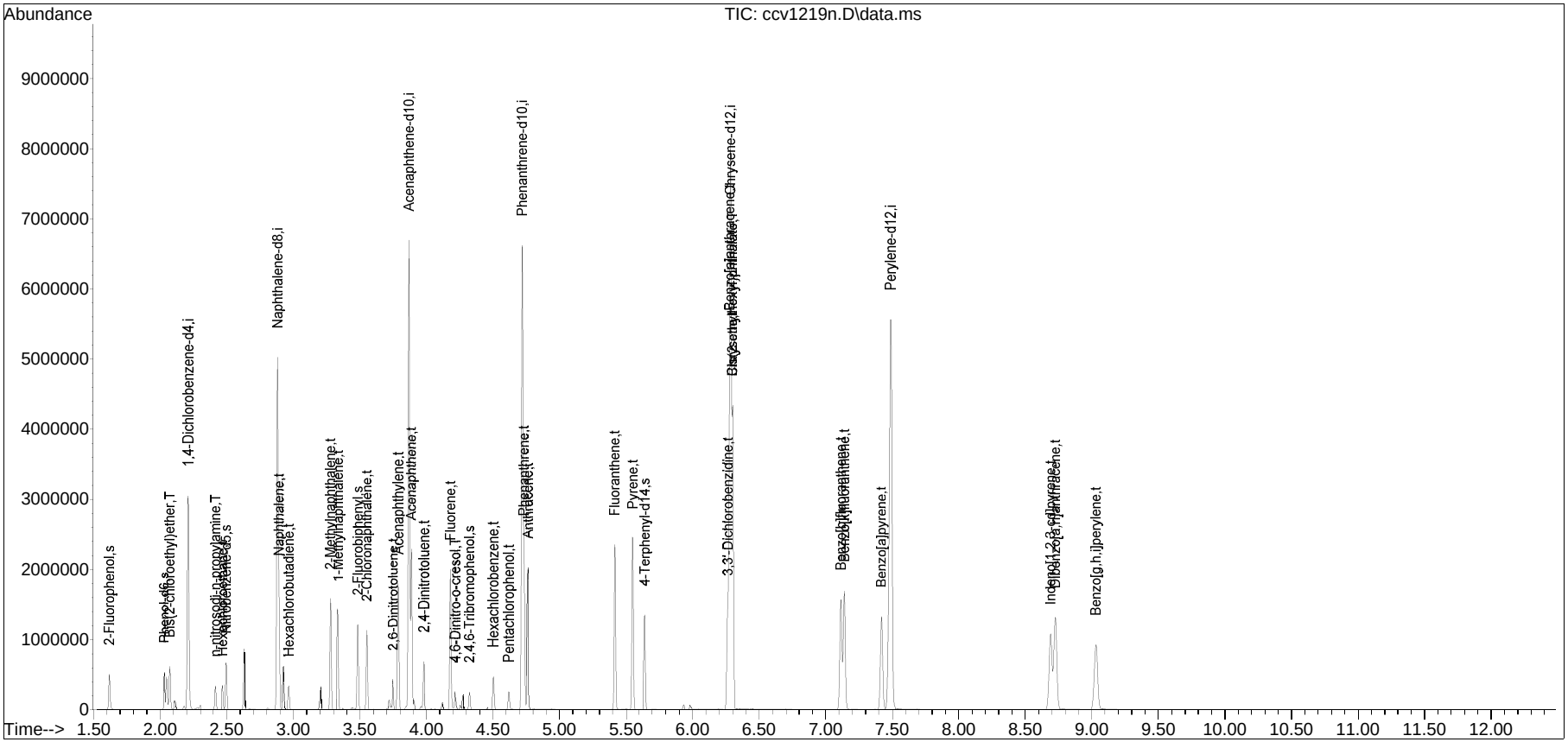
(#) = qualifier out of range (m) = manual integration (+) = signals summed

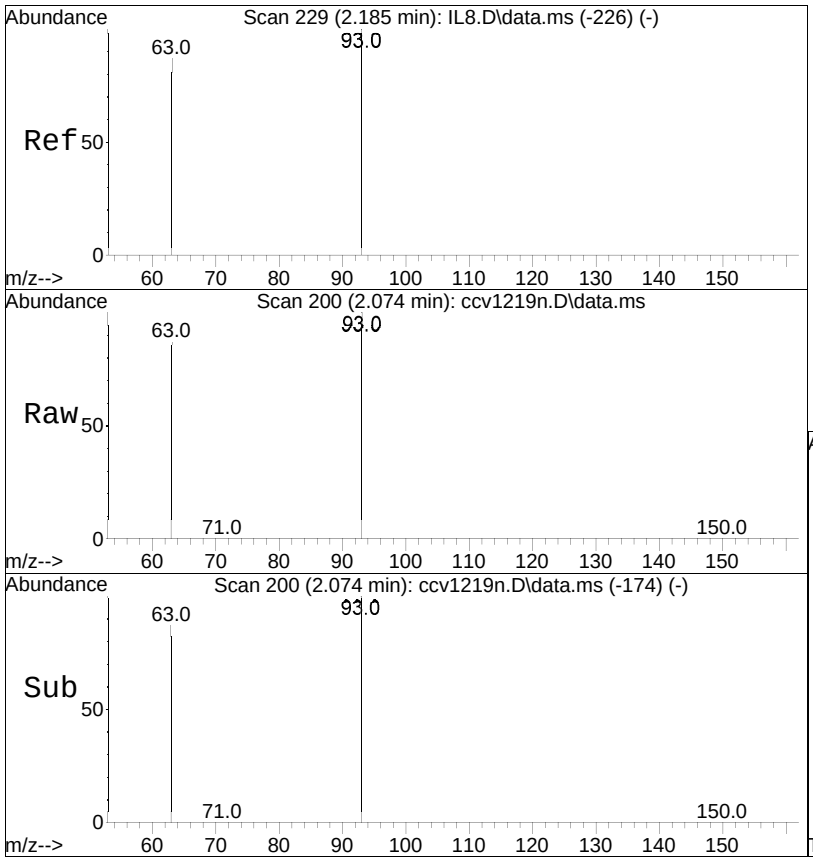
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : ccv1219n.D
Acq On : 19 Dec 2024 07:33 pm
Operator : SV125:slr
Sample : WG2011538-3,32,,ICV 10884 (1130a)
Misc : WG2011538,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 19:49:30 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 19:51:03 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

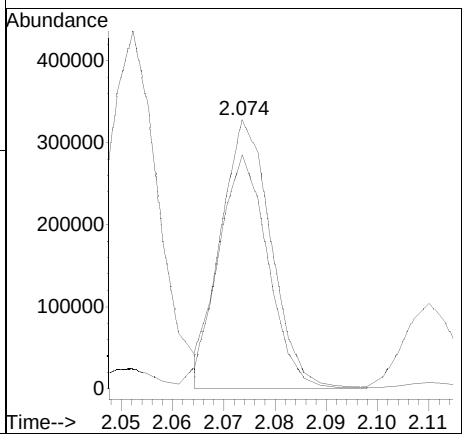


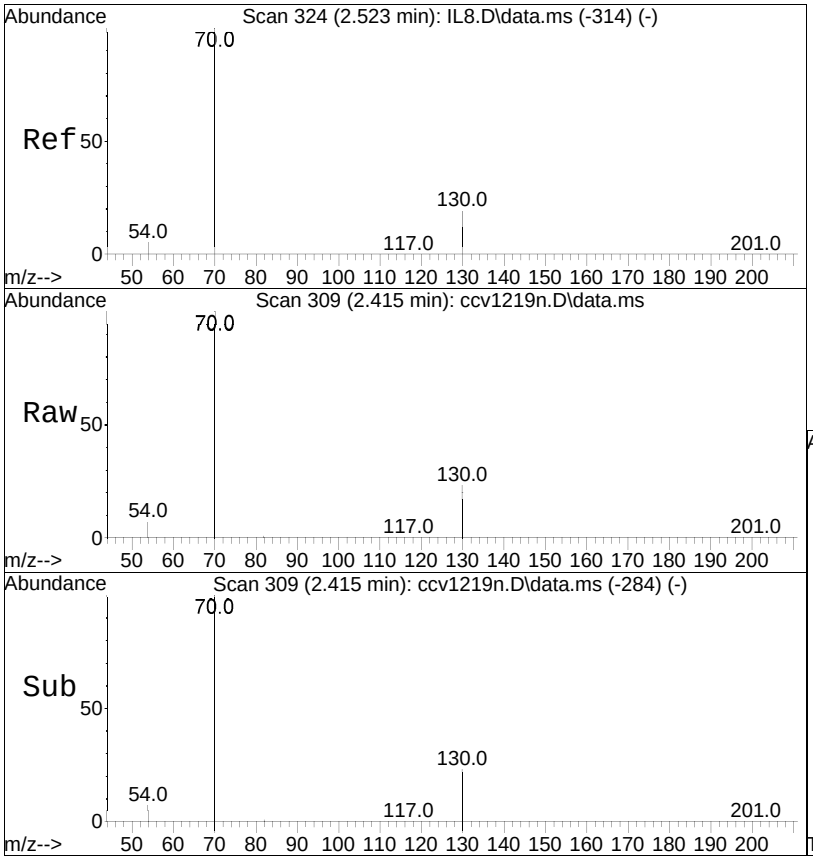


#4
Bis(2-chloroethyl)ether
Concen: 913.34 ng/ml
RT: 2.074 min Scan# 200
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion: 93 Resp: 222296

Ion	Ratio	Lower	Upper
93	100		
63	86.4	71.2	106.8

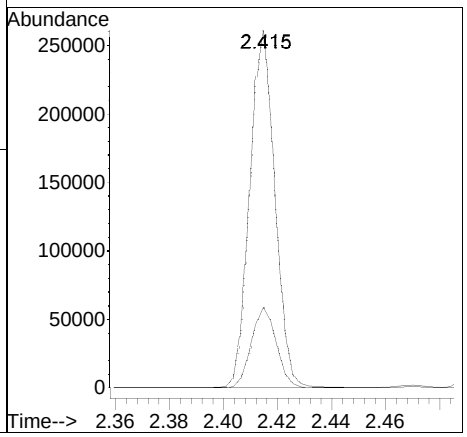


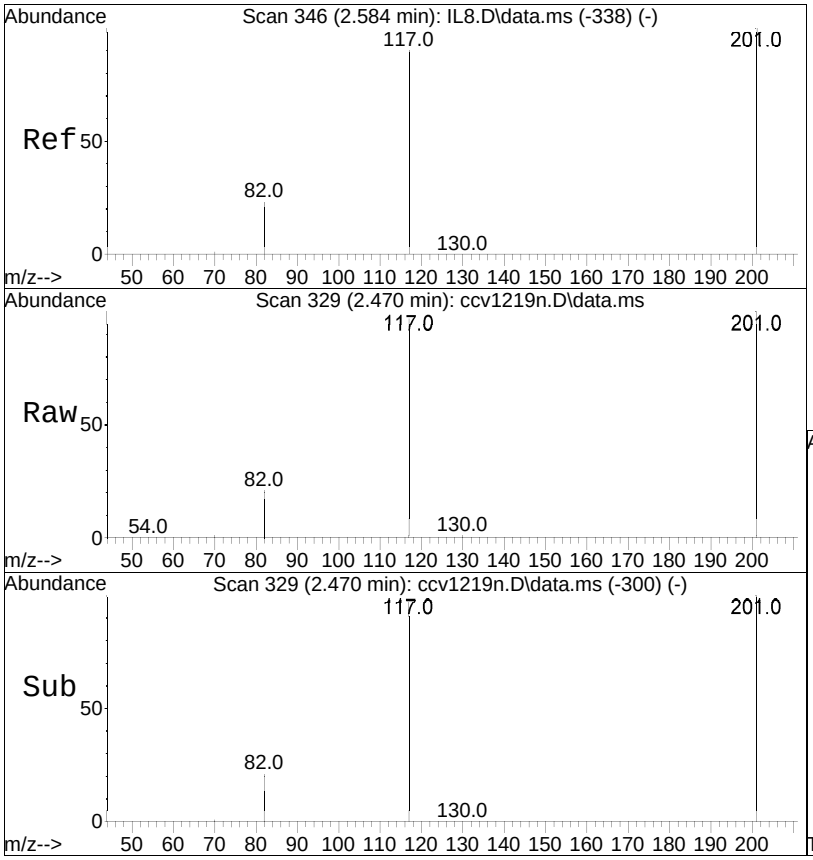


#5
n-nitrosodi-n-propylamine
Concen: 989.53 ng/ml
RT: 2.415 min Scan# 309
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion: 70 Resp: 165488

Ion	Ratio	Lower	Upper
70	100		
130	22.4	15.0	22.6

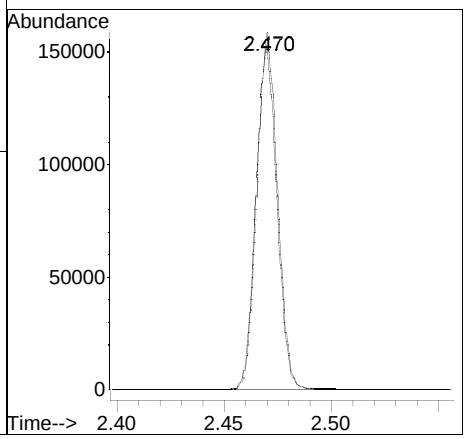


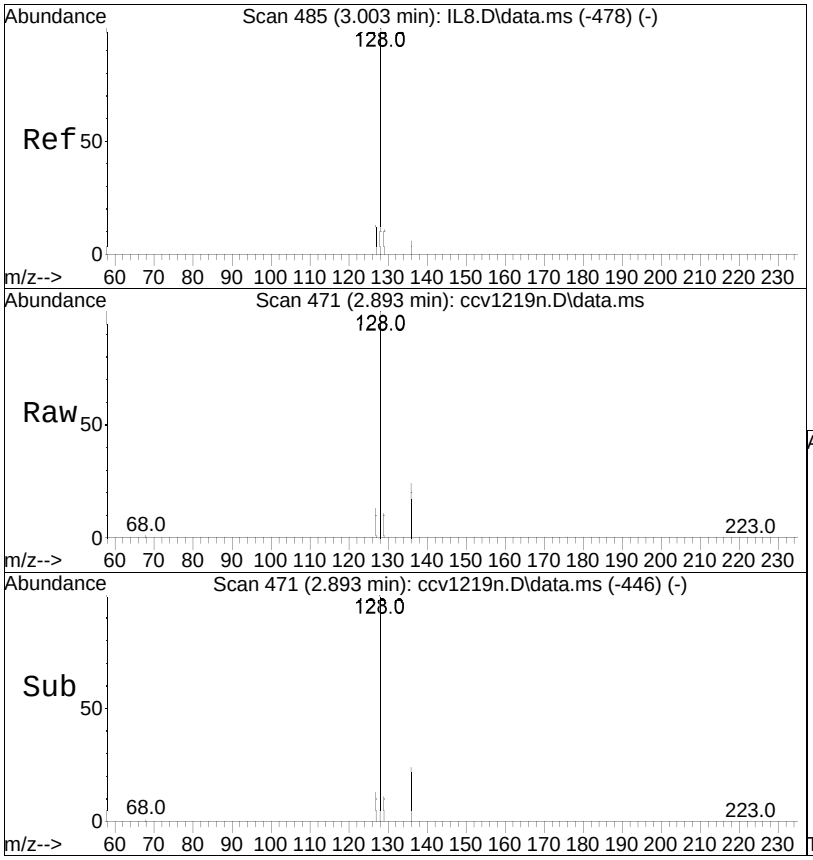


#6
Hexachloroethane
Concen: 932.65 ng/ml
RT: 2.470 min Scan# 329
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:117 Resp: 101247

Ion	Ratio	Lower	Upper
117	100		
201	103.1	88.0	132.0

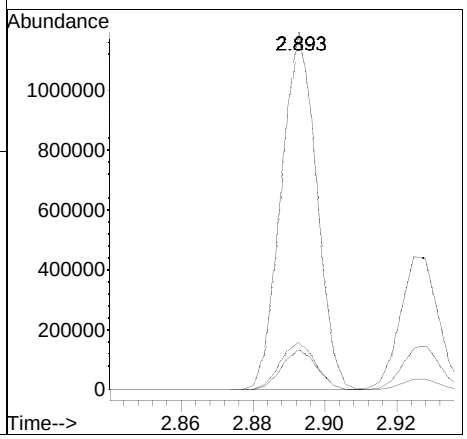


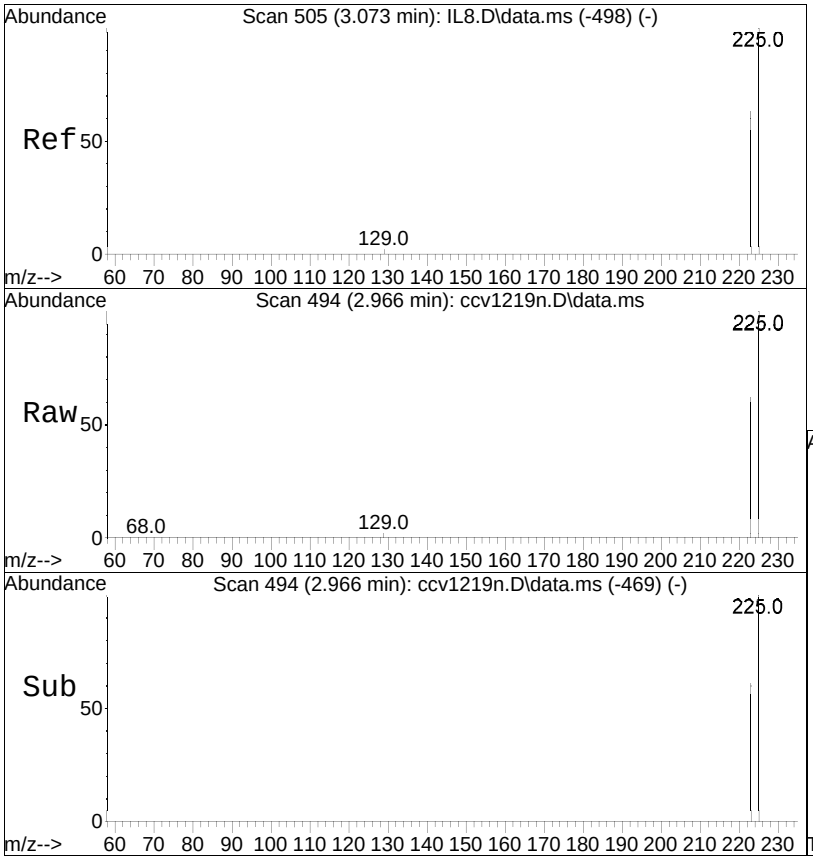


#9
Naphthalene
Concen: 916.89 ng/ml
RT: 2.893 min Scan# 471
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:128 Resp: 812423

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.9	16.3

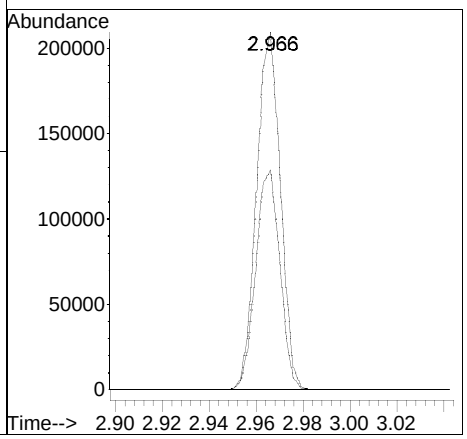


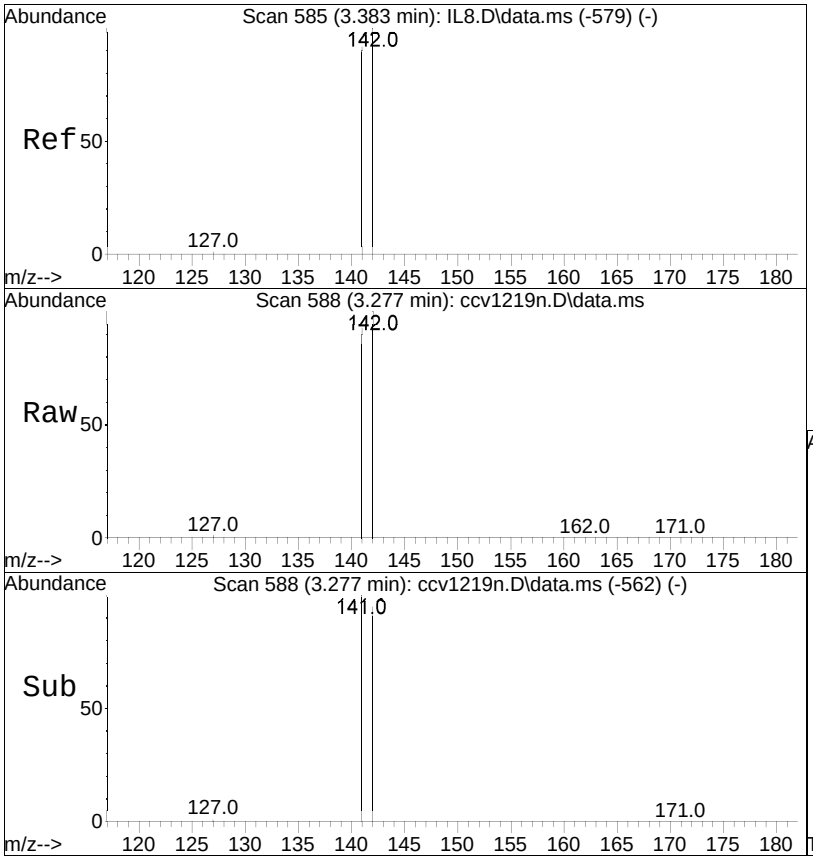


#10
Hexachlorobutadiene
Concen: 798.36 ng/ml
RT: 2.966 min Scan# 494
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:225 Resp: 144629

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.3	75.5

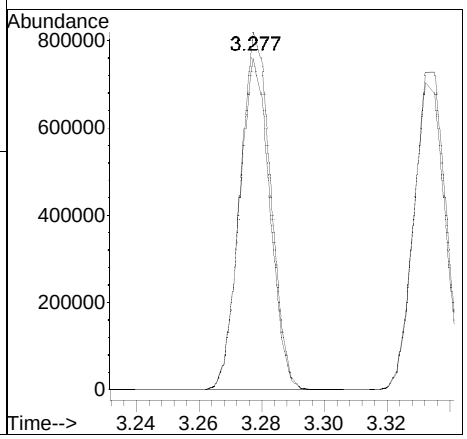


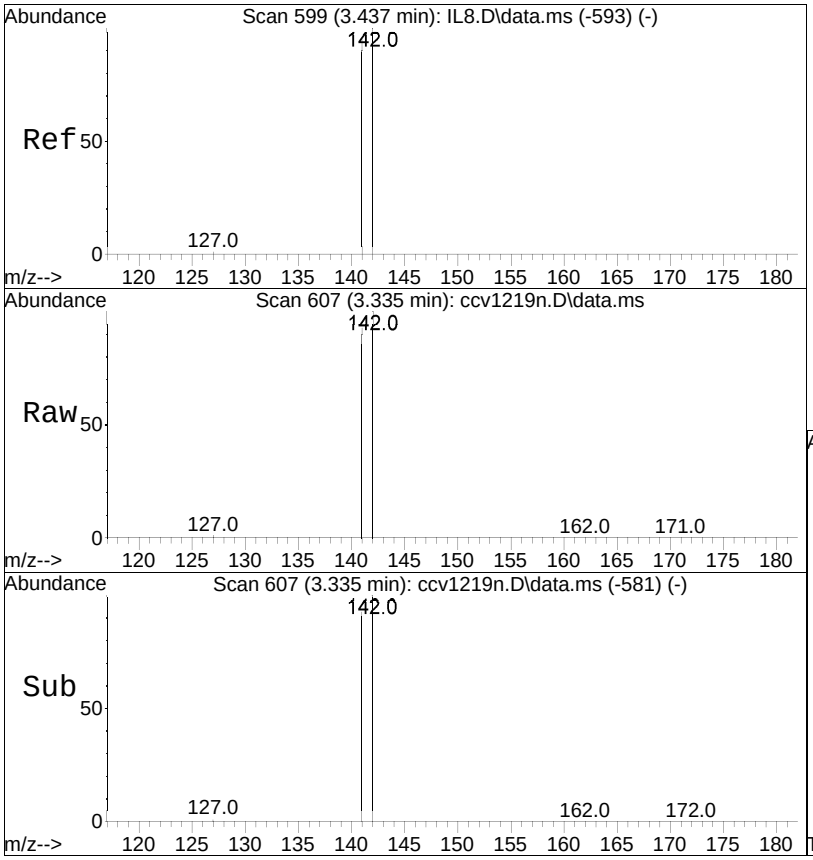


#11
2-Methylnaphthalene
Concen: 928.58 ng/ml
RT: 3.277 min Scan# 588
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:142 Resp: 554734

Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.0	111.0

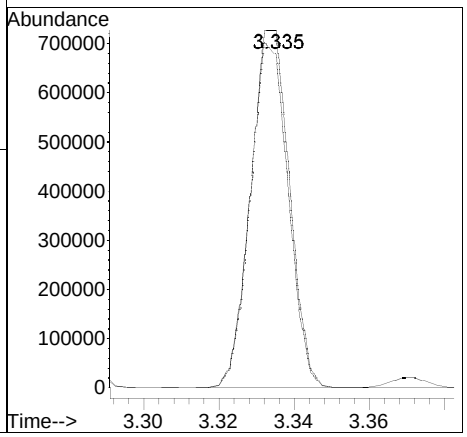


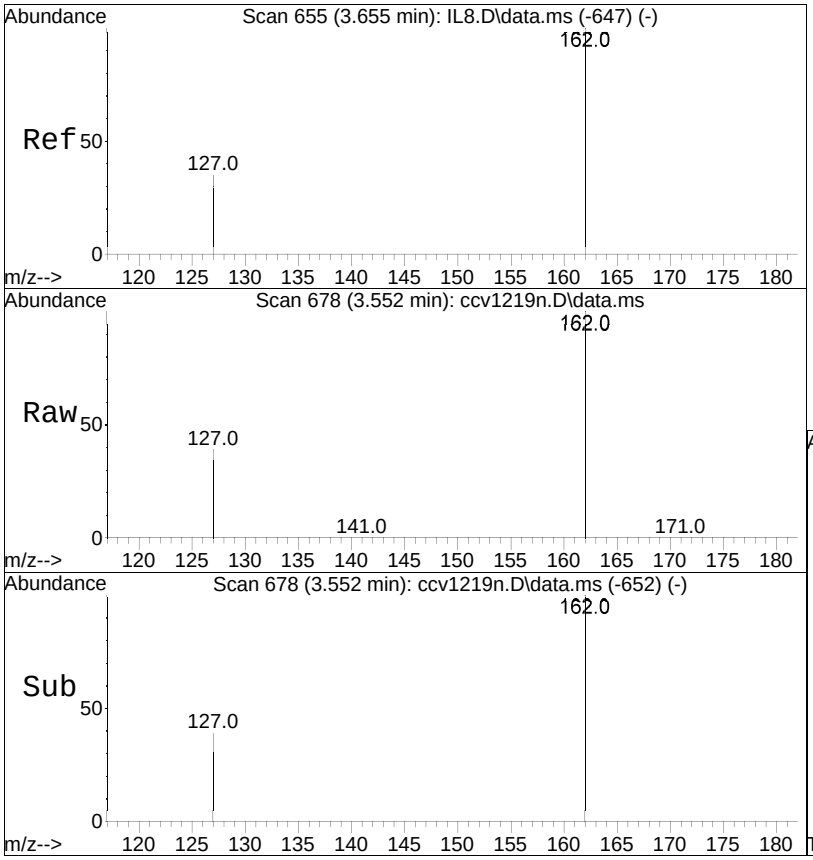


#12
1-Methylnaphthalene
Concen: 918.67 ng/ml
RT: 3.335 min Scan# 607
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:142 Resp: 512707

Ion	Ratio	Lower	Upper
142	100		
141	95.2	76.5	114.7

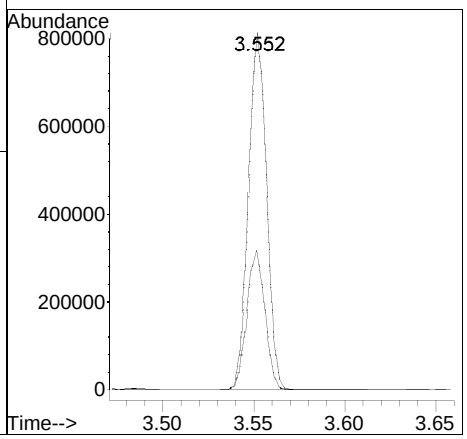


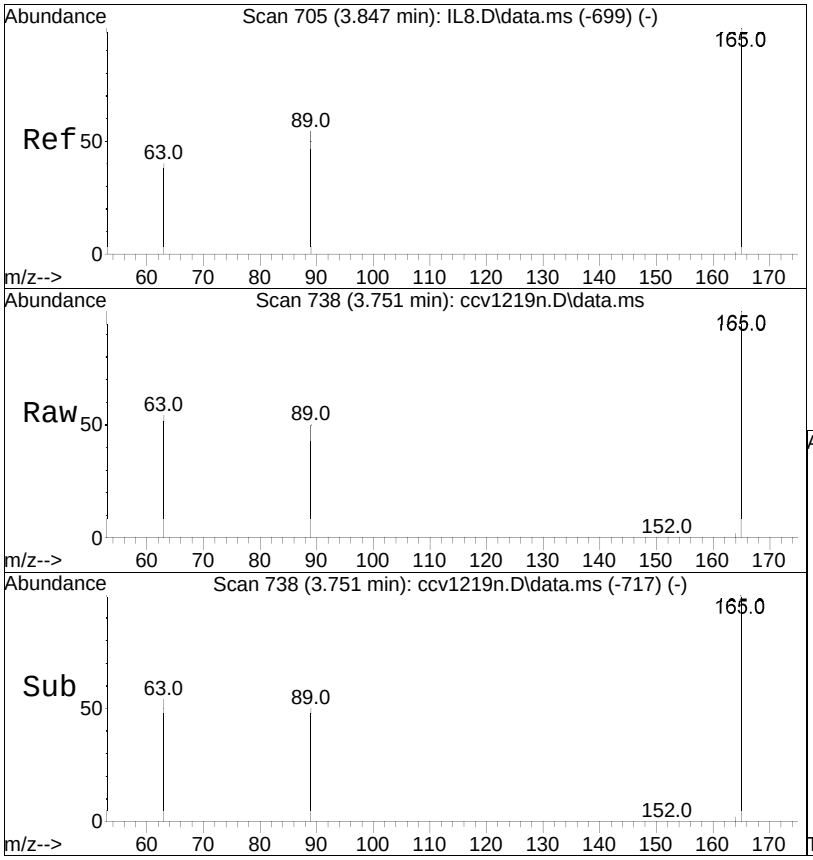


#14
2-Chloronaphthalene
Concen: 880.30 ng/ml
RT: 3.552 min Scan# 678
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:162 Resp: 550749

Ion	Ratio	Lower	Upper
162	100		
127	39.0	30.1	45.1

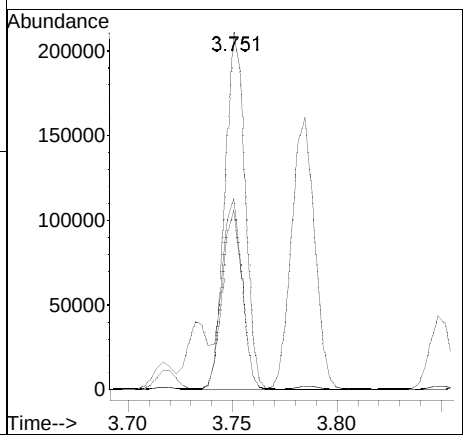


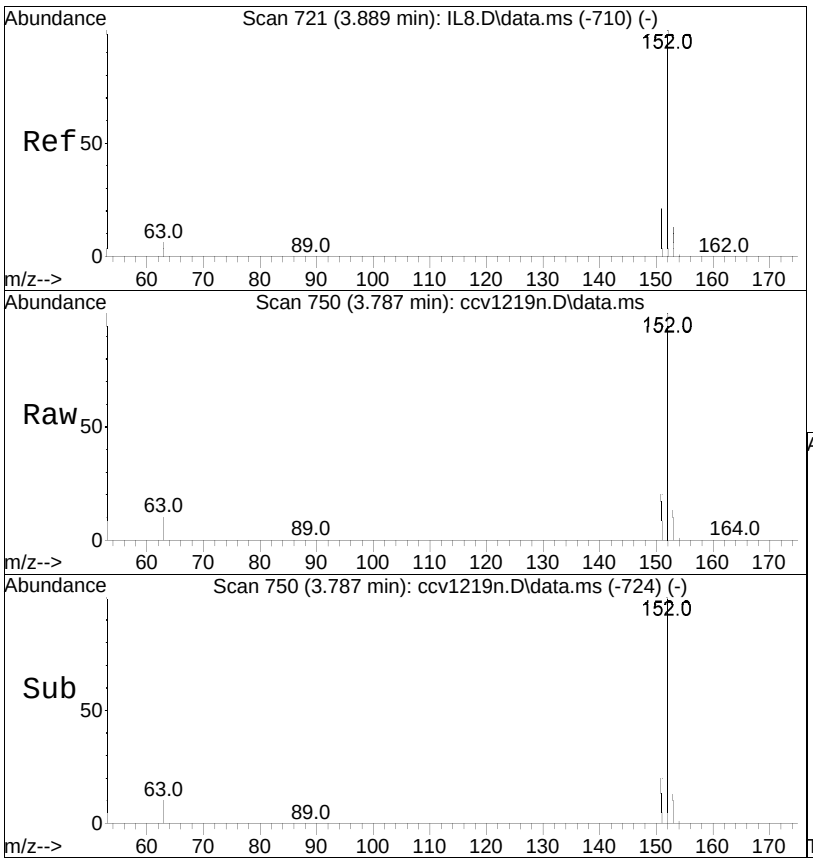


#15
2,6-Dinitrotoluene
Concen: 991.17 ng/ml
RT: 3.751 min Scan# 738
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:165 Resp: 141615

Ion	Ratio	Lower	Upper
165	100		
89	50.1	43.6	65.4
63	54.3	45.9	68.9

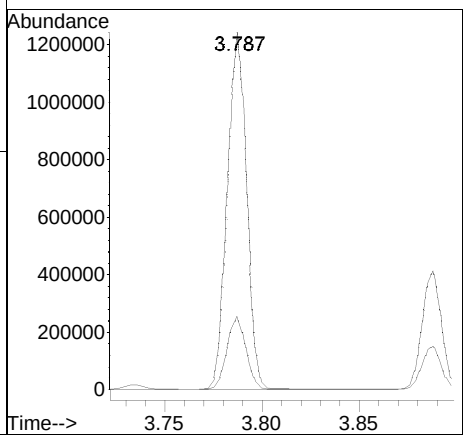


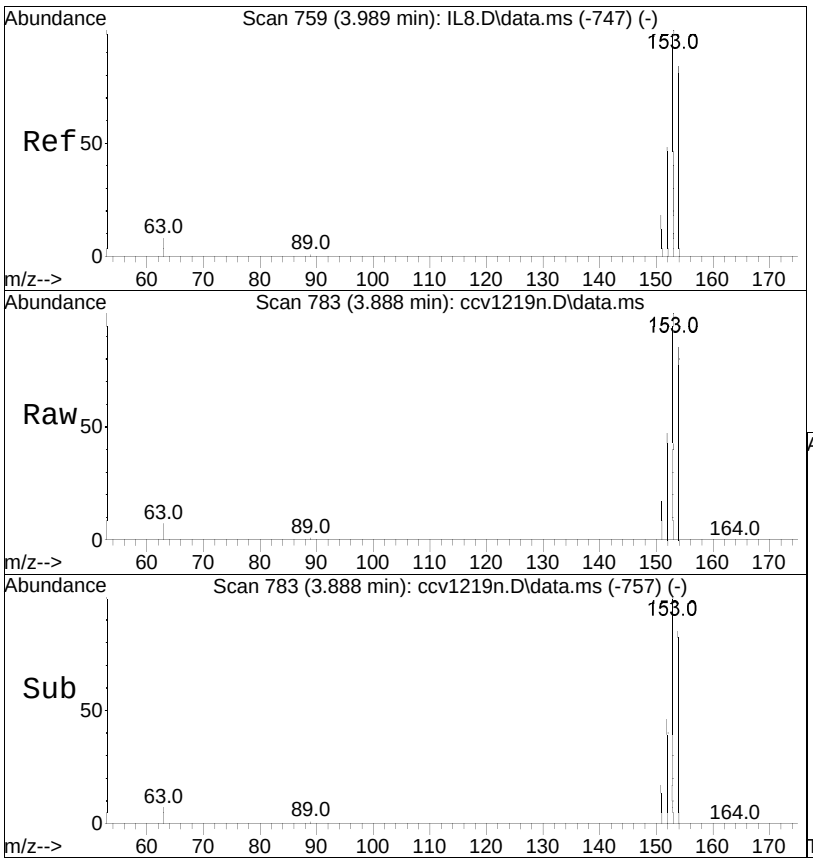


#16
Acenaphthylene
Concen: 956.21 ng/ml
RT: 3.787 min Scan# 750
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:152 Resp: 849113

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7

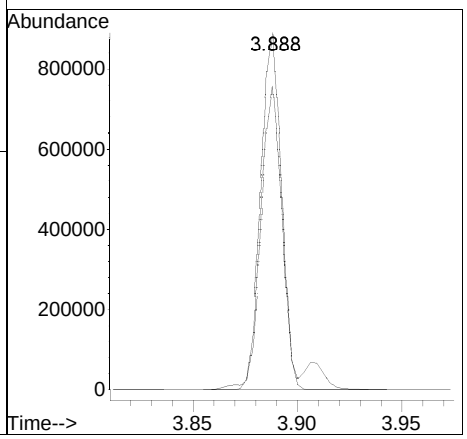


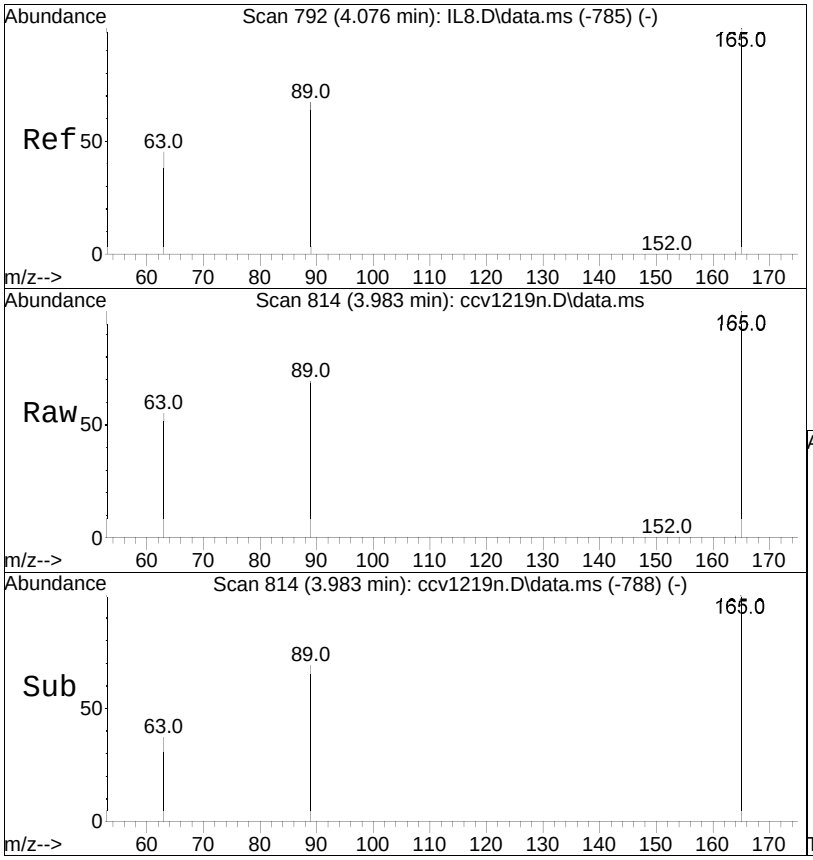


#18
Acenaphthene
Concen: 900.64 ng/ml
RT: 3.888 min Scan# 783
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:153 Resp: 607127

Ion	Ratio	Lower	Upper
153	100		
154	86.3	74.9	112.3

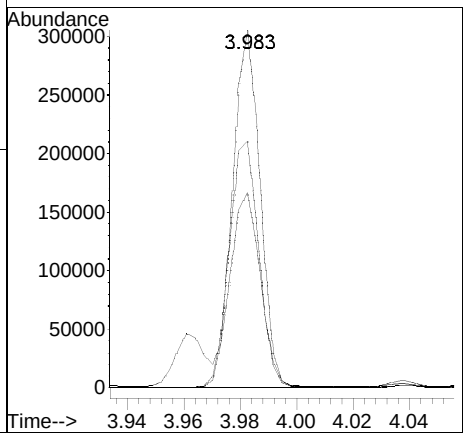


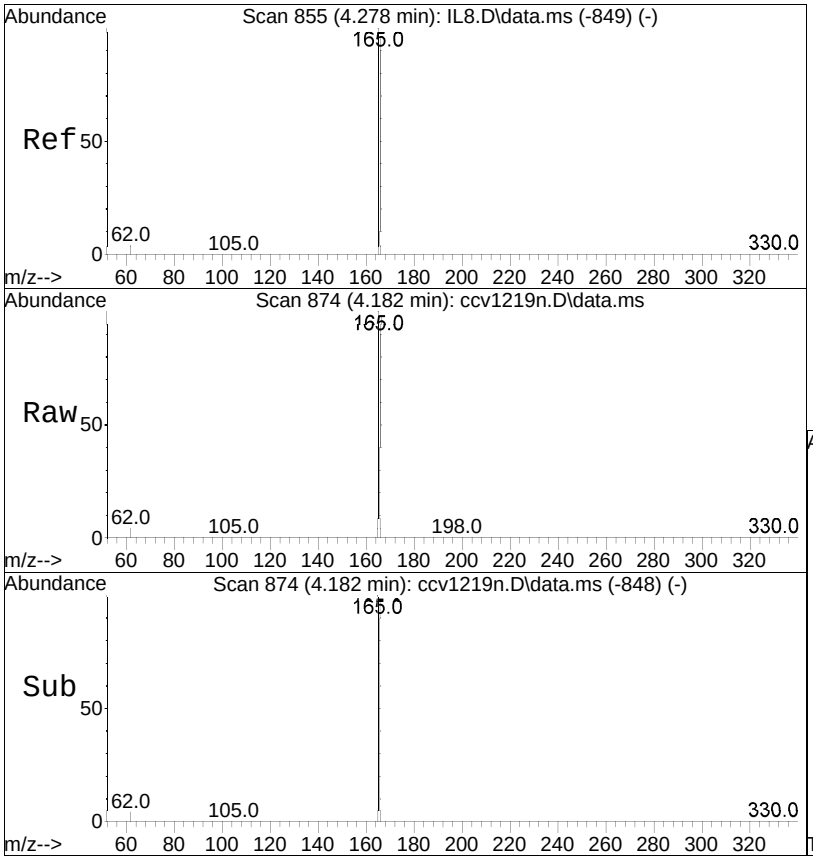


#19
2,4-Dinitrotoluene
Concen: 1038.42 ng/ml
RT: 3.983 min Scan# 814
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:165 Resp: 204257

Ion	Ratio	Lower	Upper
165	100		
89	74.3	62.9	94.3
63	59.6	52.2	78.4

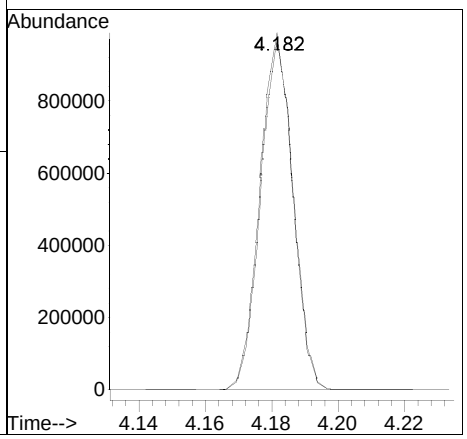


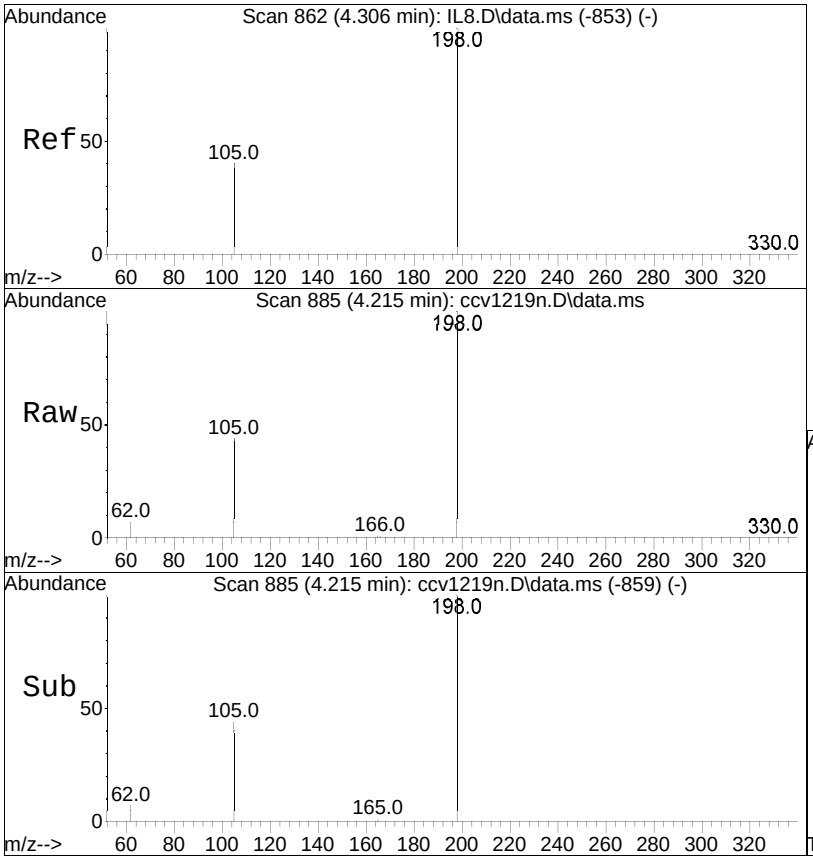


#20
Fluorene
Concen: 888.20 ng/ml
RT: 4.182 min Scan# 874
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:166 Resp: 661026

Ion	Ratio	Lower	Upper
166	100		
165	102.0	82.2	123.4

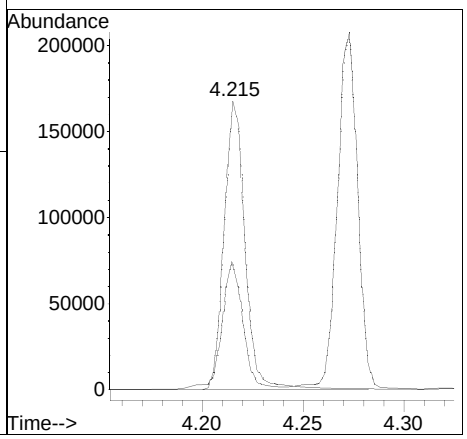


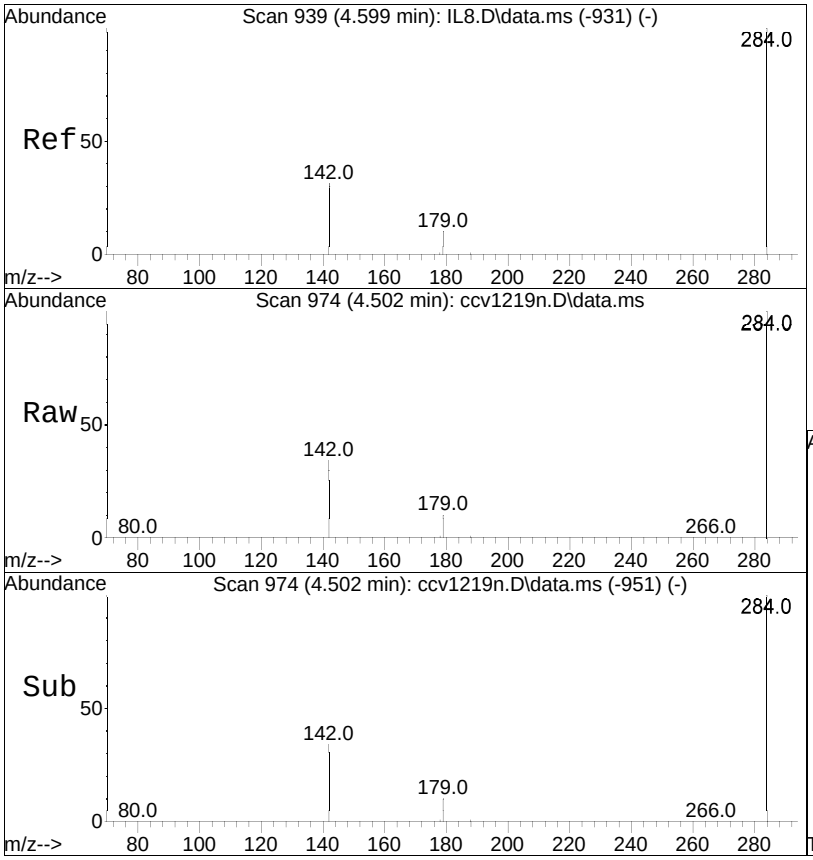


#23
4,6-Dinitro-o-cresol
Concen: 905.54 ng/ml
RT: 4.215 min Scan# 885
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:198 Resp: 121266

Ion	Ratio	Lower	Upper
198	100		
105	44.2	33.1	49.7

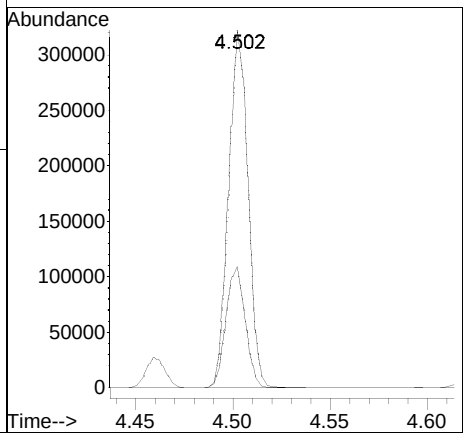


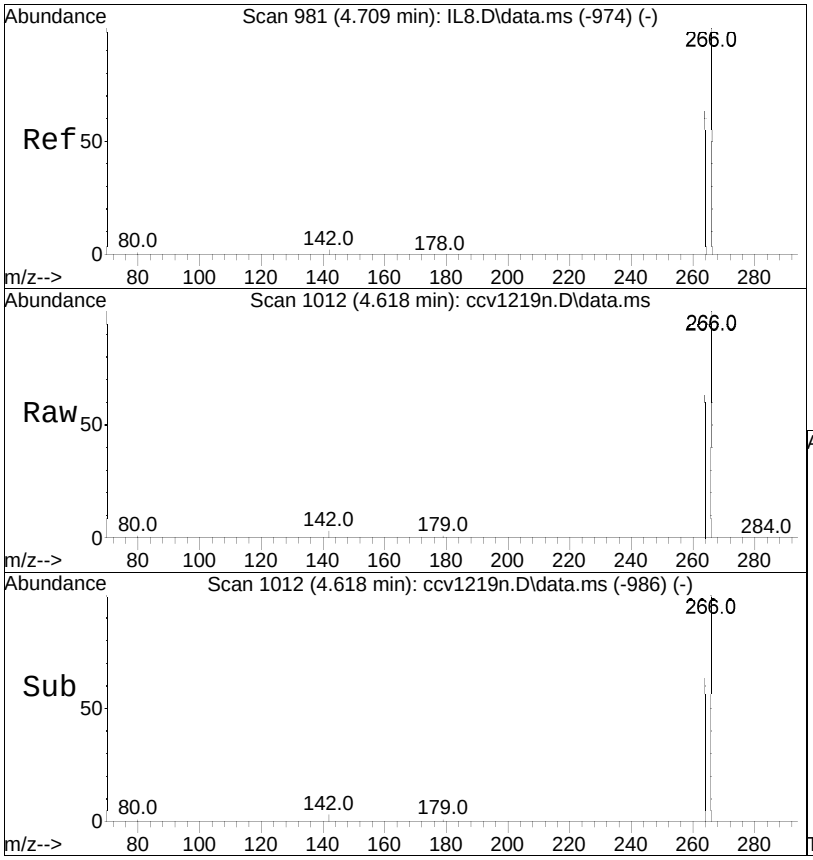


#24
Hexachlorobenzene
Concen: 791.78 ng/ml
RT: 4.502 min Scan# 974
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:284 Resp: 220015

Ion	Ratio	Lower	Upper
284	100		
142	33.9	25.4	38.0

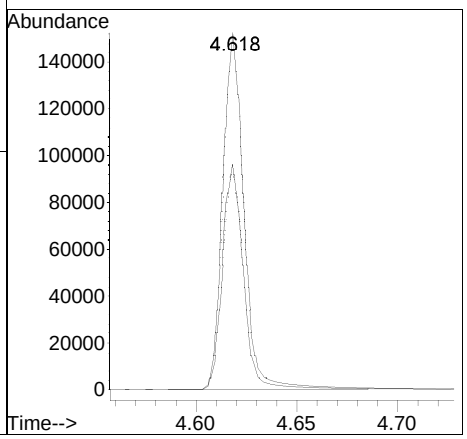


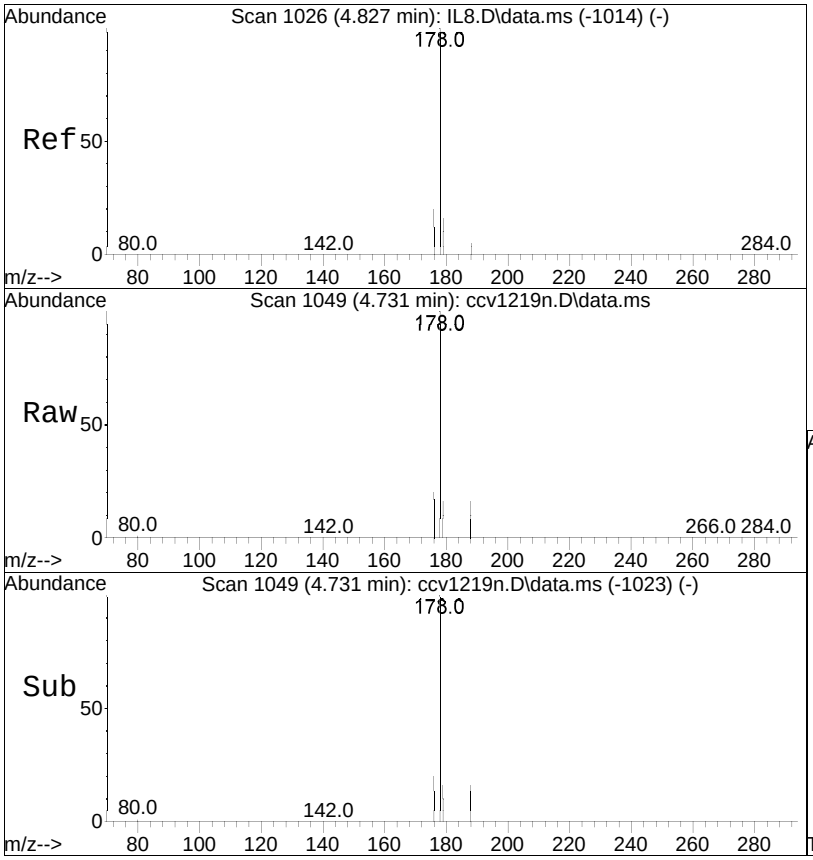


#25
Pentachlorophenol
Concen: 844.07 ng/ml
RT: 4.618 min Scan# 1012
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:266 Resp: 109995

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.6	76.0

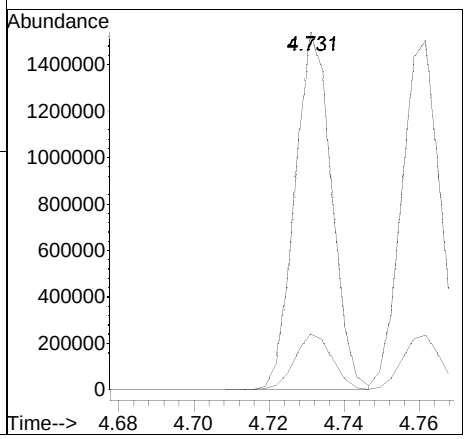


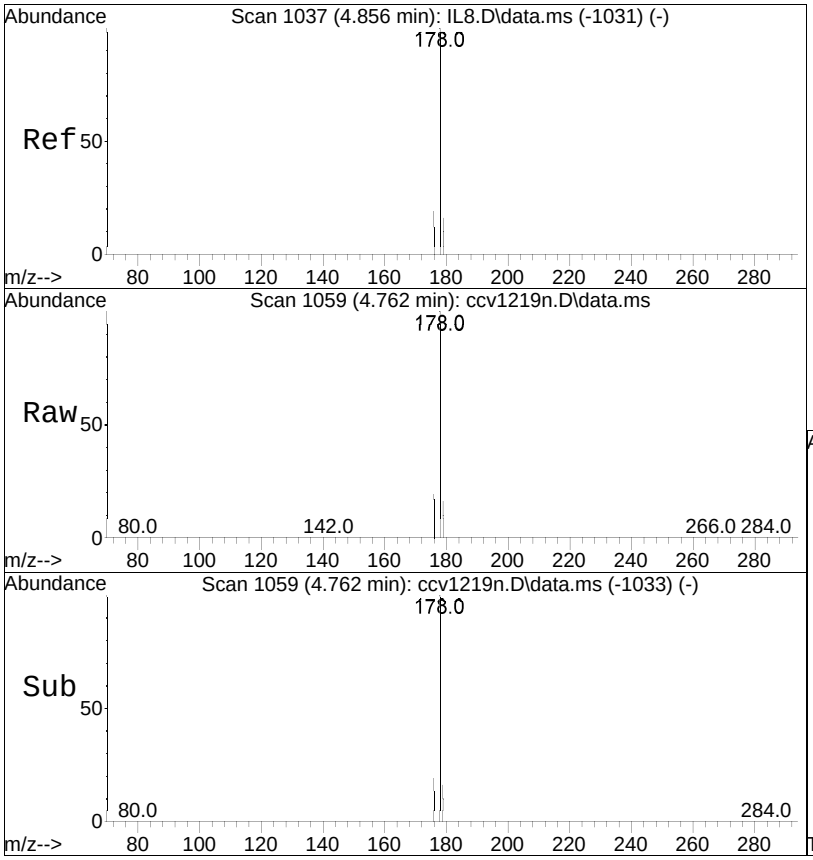


#26
Phenanthrene
Concen: 874.26 ng/ml
RT: 4.731 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:178 Resp: 1047076

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

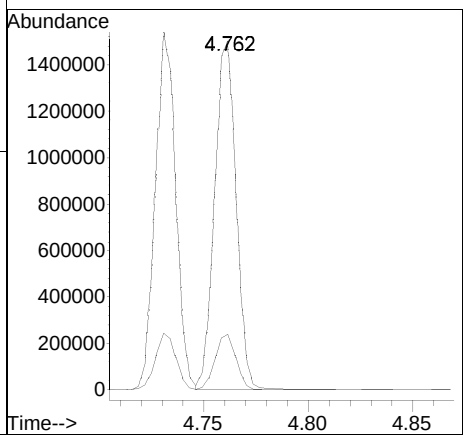


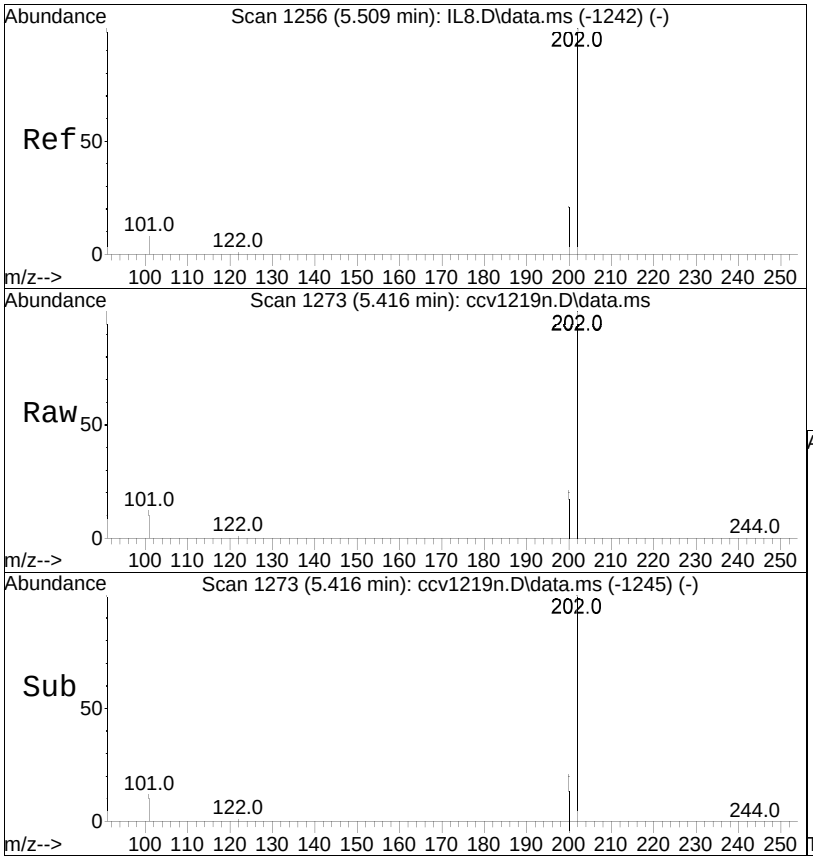


#27
Anthracene
Concen: 926.69 ng/ml
RT: 4.762 min Scan# 1059
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:178 Resp: 1068696

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

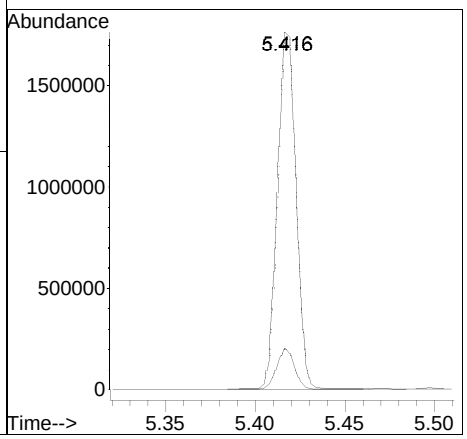


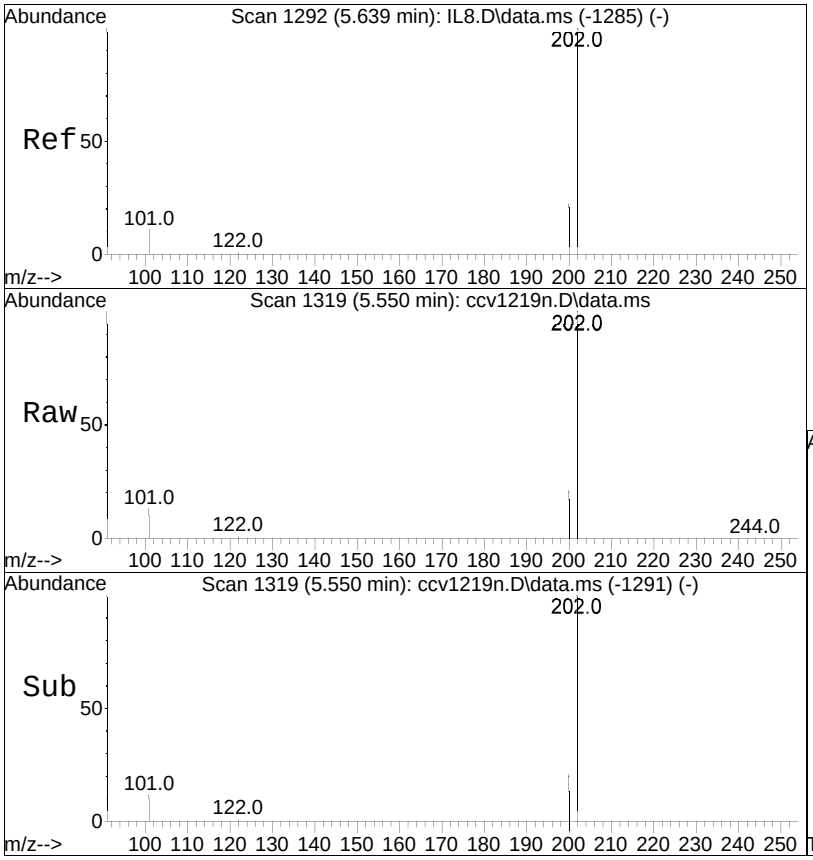


#28
Fluoranthene
Concen: 910.07 ng/ml
RT: 5.416 min Scan# 1273
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:202 Resp: 1251849

Ion	Ratio	Lower	Upper
202	100		
101	11.3	7.7	11.5

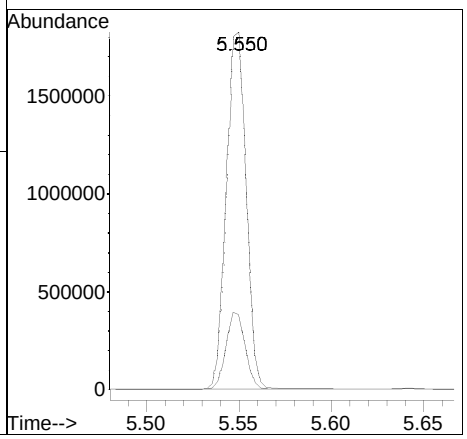


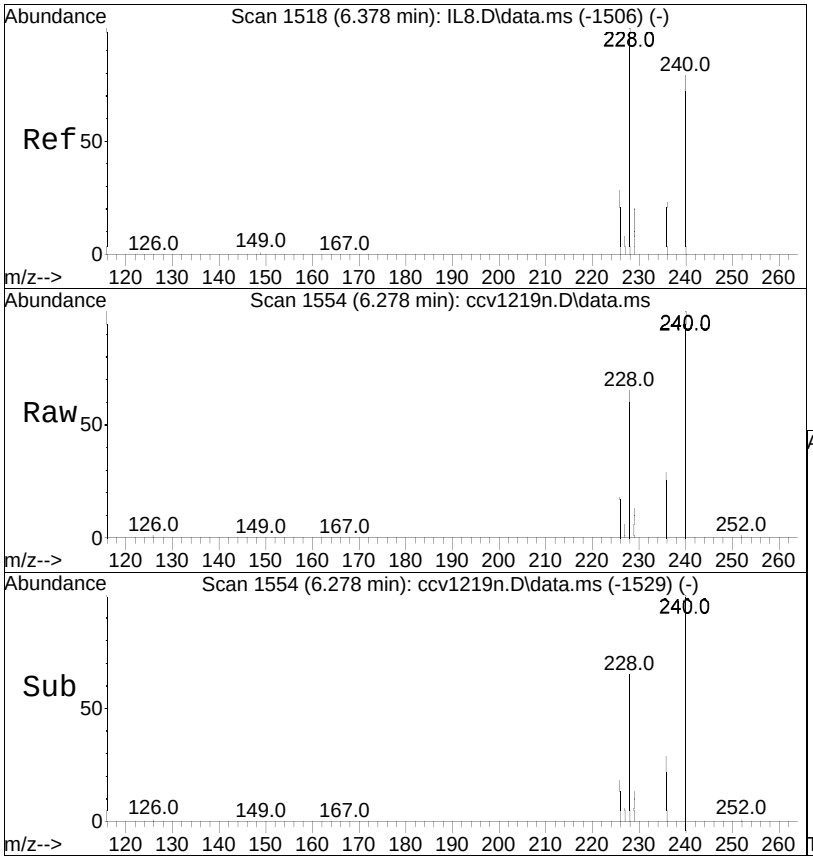


#29
Pyrene
Concen: 921.70 ng/ml
RT: 5.550 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:202 Resp: 1339835

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9

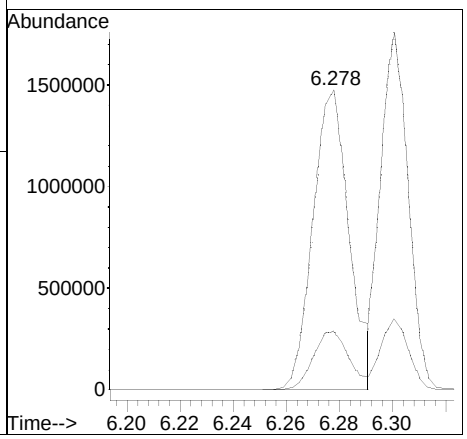


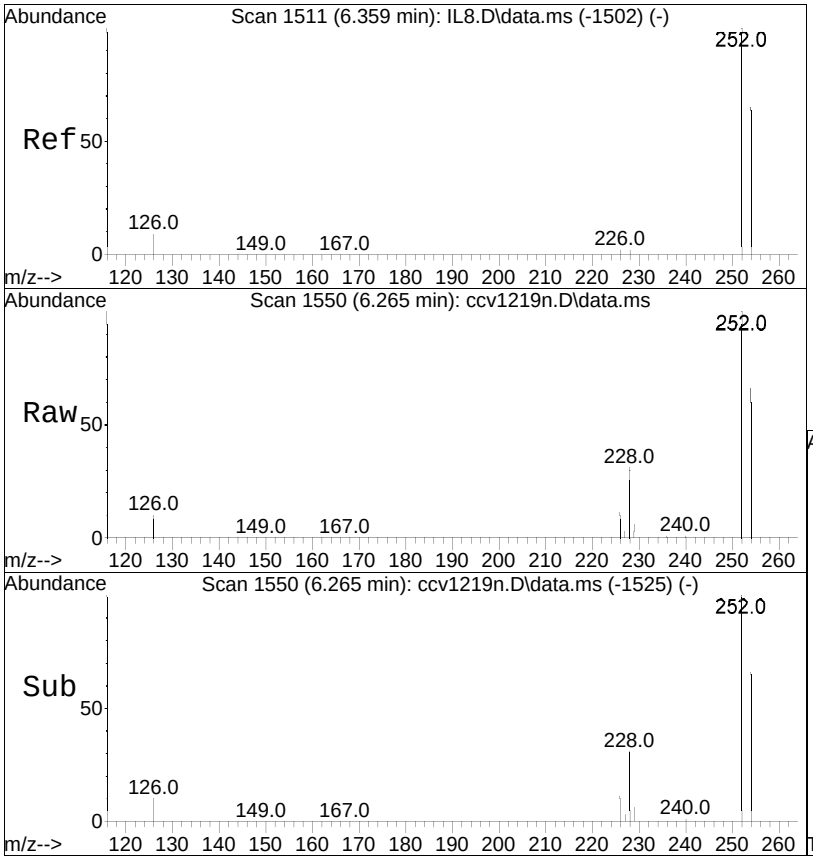


#32
Benzo[a]anthracene
Concen: 986.27 ng/ml
RT: 6.278 min Scan# 1554
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:228 Resp: 1397196

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9

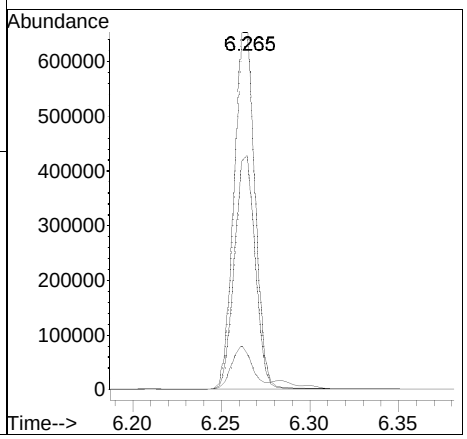


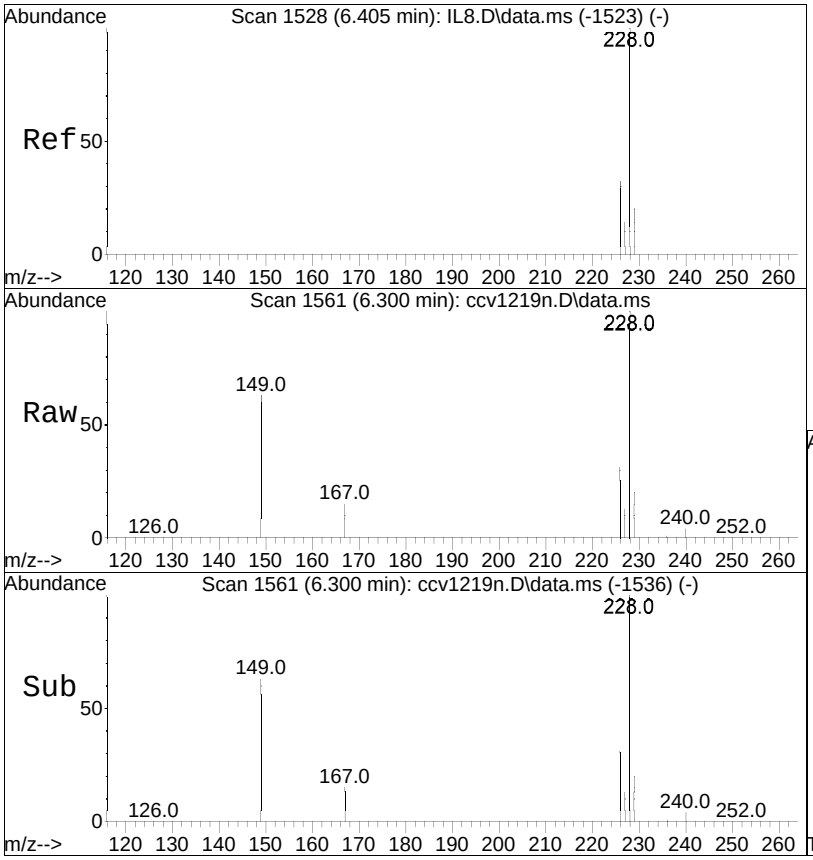


#33
3,3'-Dichlorobenzidine
Concen: 1019.45 ng/ml
RT: 6.265 min Scan# 1550
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:252 Resp: 533548

Ion	Ratio	Lower	Upper
252	100		
126	12.1	7.8	11.8#
254	64.8	51.8	77.8

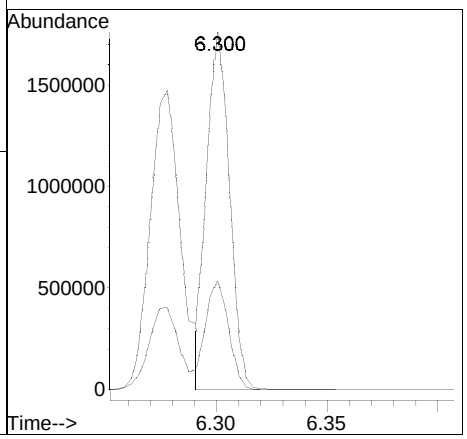


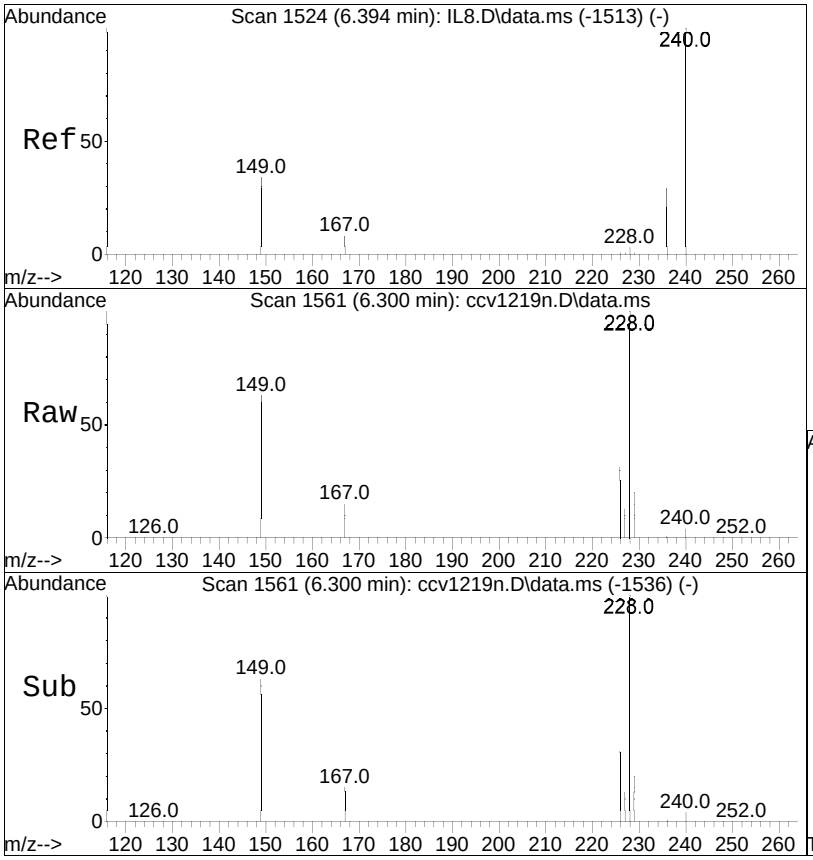


#34
Chrysene
Concen: 952.94 ng/ml
RT: 6.300 min Scan# 1561
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:228 Resp: 1259422

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6

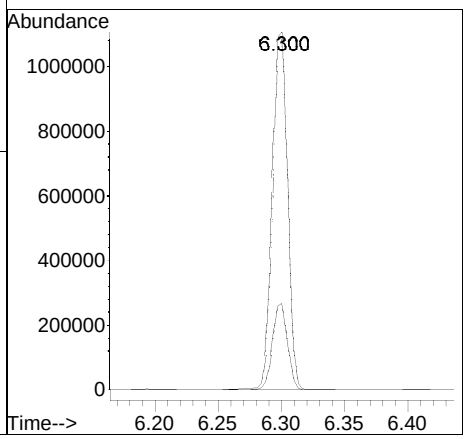


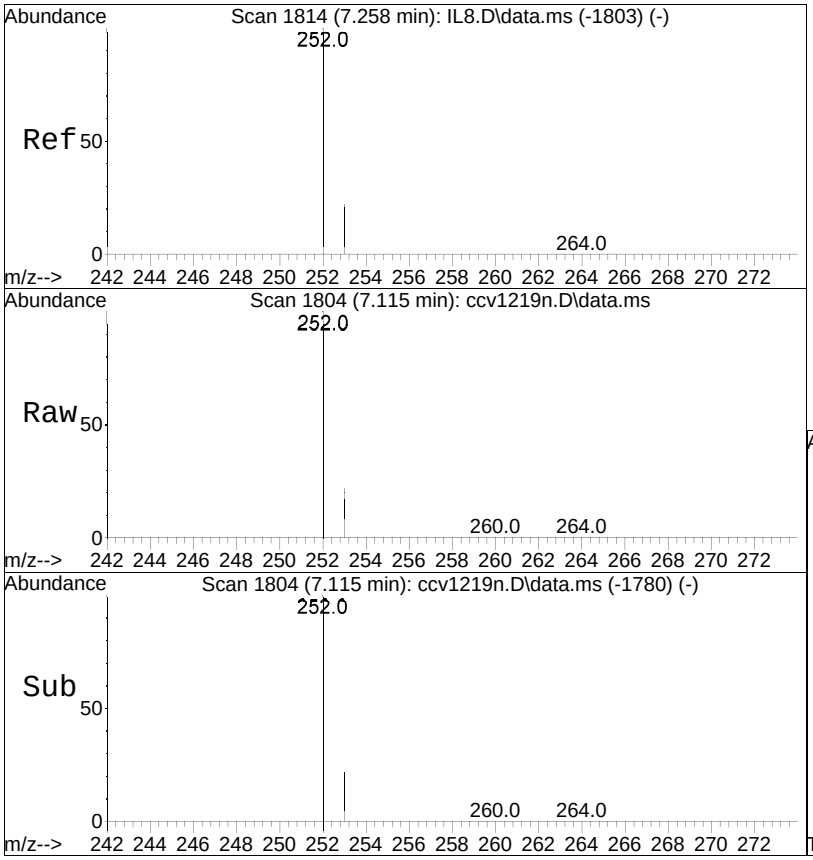


#35
Bis(2-ethylhexyl)phthalate
Concen: 1201.70 ng/ml
RT: 6.300 min Scan# 1561
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:149 Resp: 908680

Ion	Ratio	Lower	Upper
149	100		
167	23.9	19.0	28.4

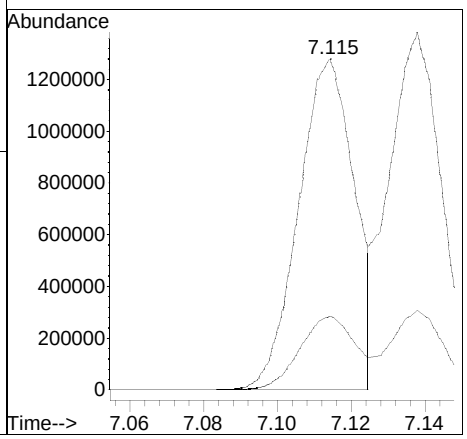


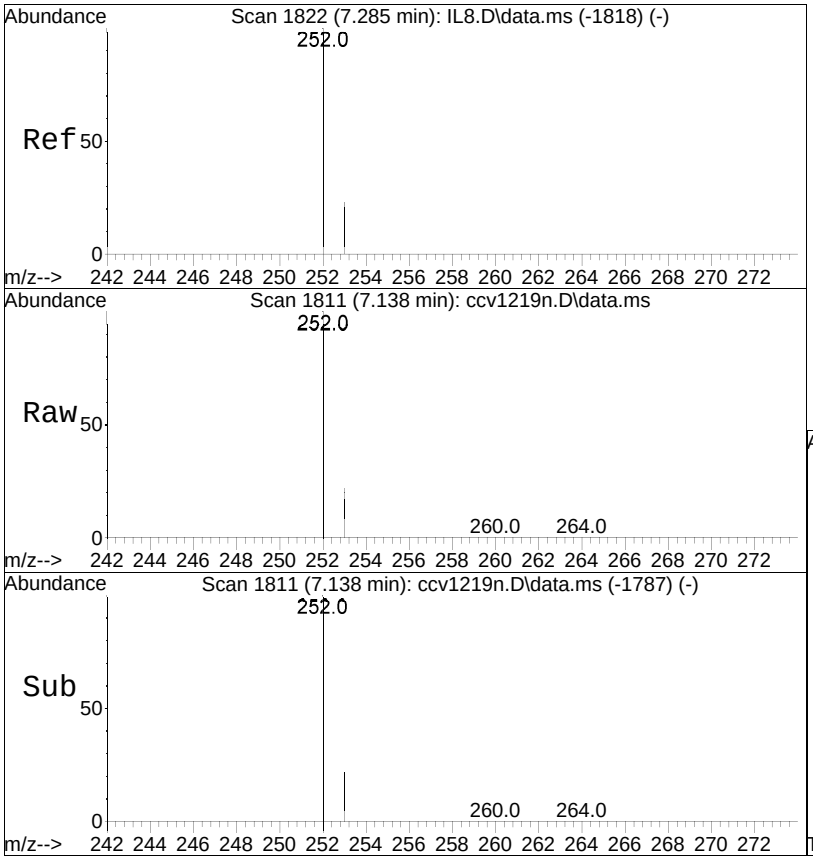


#37
Benzo[b]fluoranthene
Concen: 882.46 ng/ml
RT: 7.115 min Scan# 1804
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:252 Resp: 1361605

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

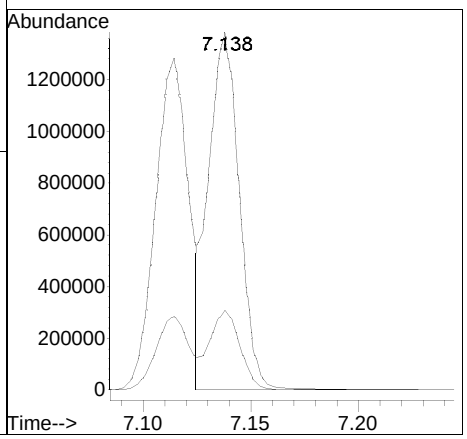


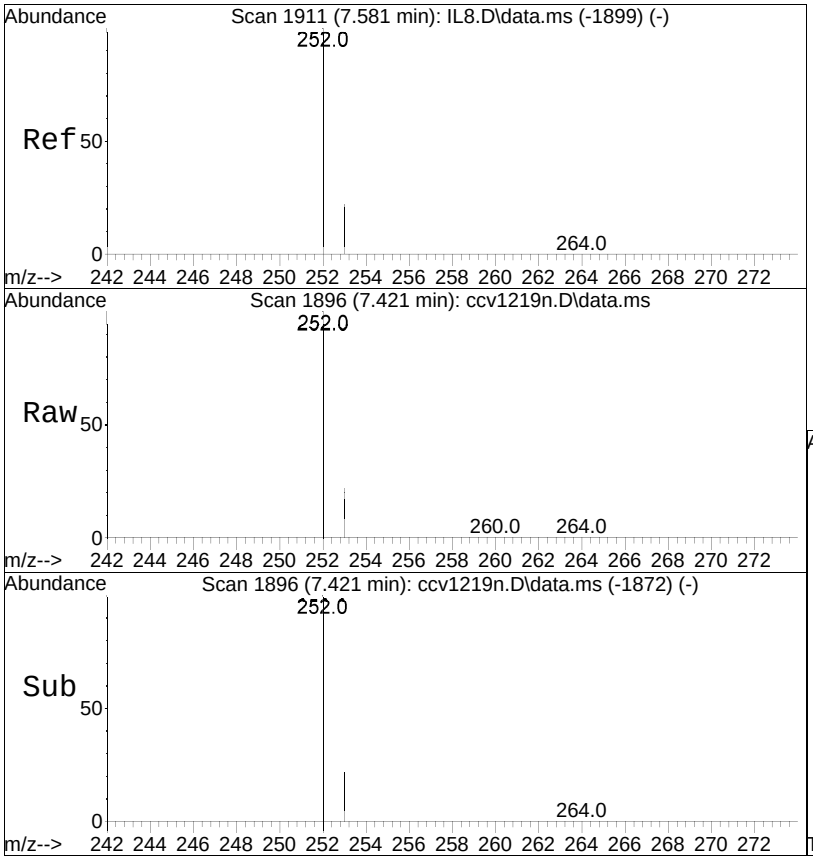


#38
Benzo[k]fluoranthene
Concen: 958.78 ng/ml
RT: 7.138 min Scan# 1811
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:252 Resp: 1351976

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8

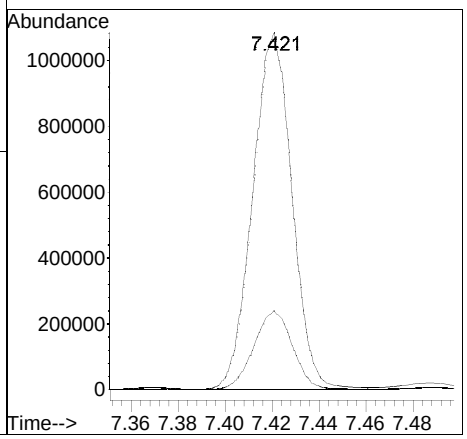


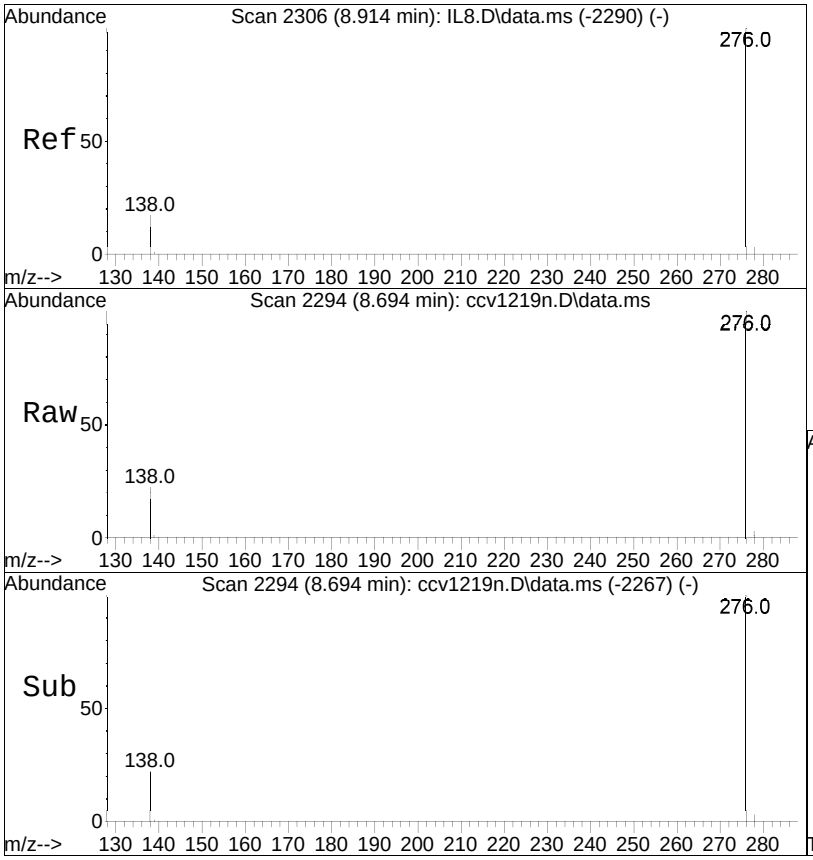


#39
Benzo[a]pyrene
Concen: 970.78 ng/ml
RT: 7.421 min Scan# 1896
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:252 Resp: 1242300

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

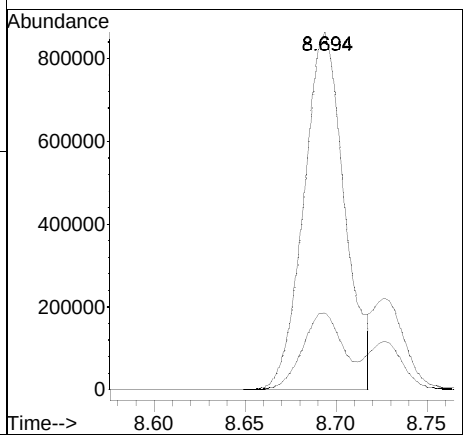


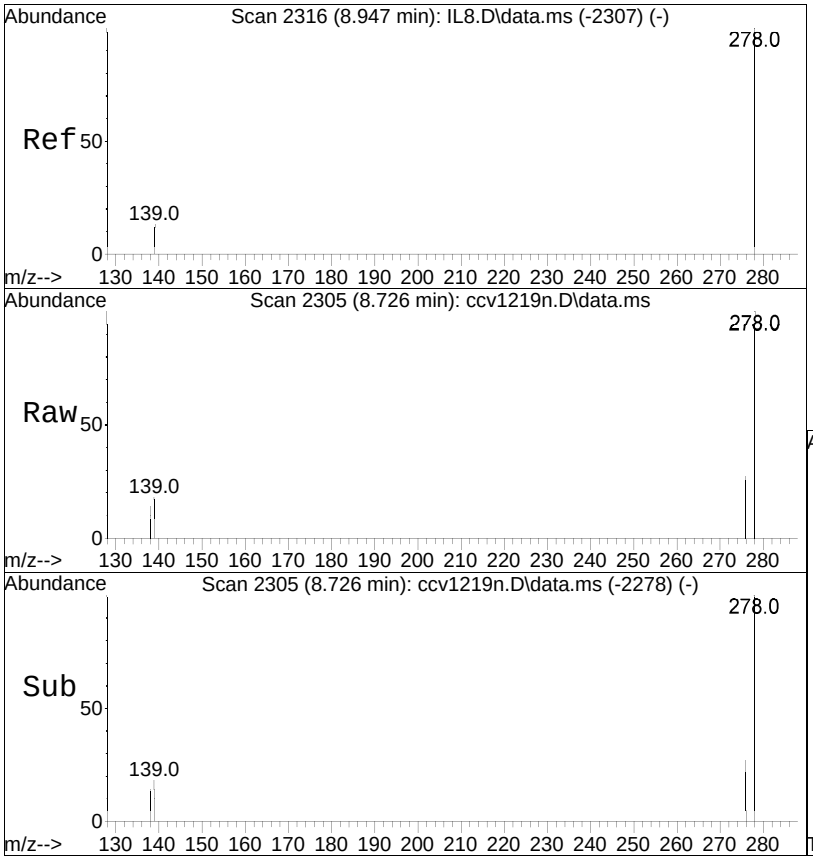


#40
Indeno[1,2,3-cd]pyrene
Concen: 968.53 ng/ml
RT: 8.694 min Scan# 2294
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:276 Resp: 1331106

Ion	Ratio	Lower	Upper
276	100		
138	21.5	13.3	19.9#

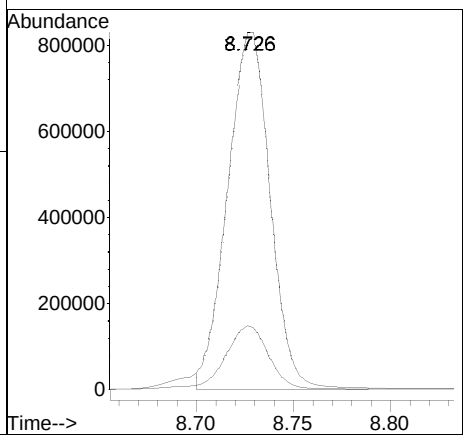


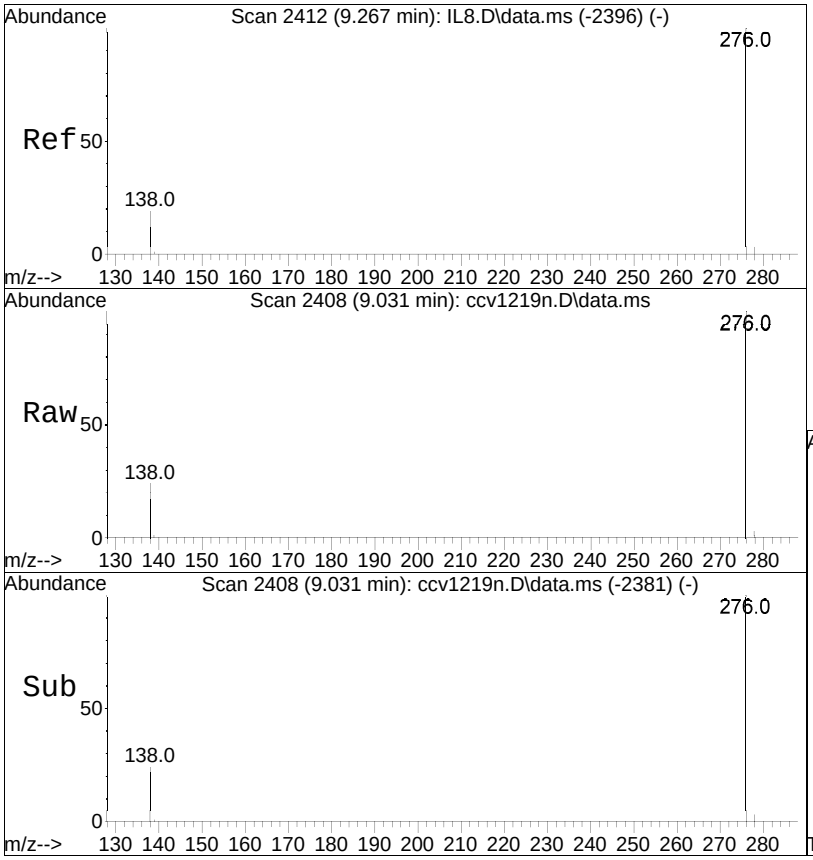


#41
Dibenzo[a,h]anthracene
Concen: 994.63 ng/ml M6
RT: 8.726 min Scan# 2305
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:278 Resp: 1259121

Ion	Ratio	Lower	Upper
278	100		
139	18.4	11.1	16.7#

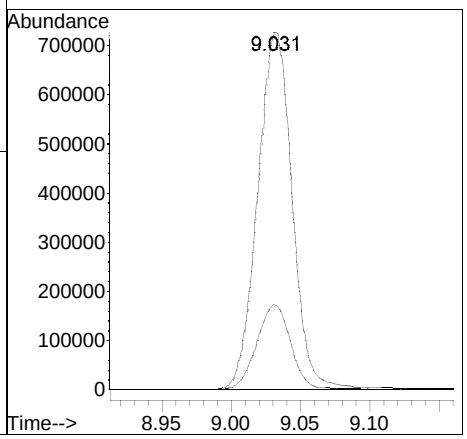




#42
Benzo[g,h,i]perylene
Concen: 927.30 ng/ml
RT: 9.031 min Scan# 2408
Delta R.T. 0.000 min
Lab File: ccv1219n.D
Acq: 19 Dec 2024 07:33 pm

Tgt Ion:276 Resp: 1238268

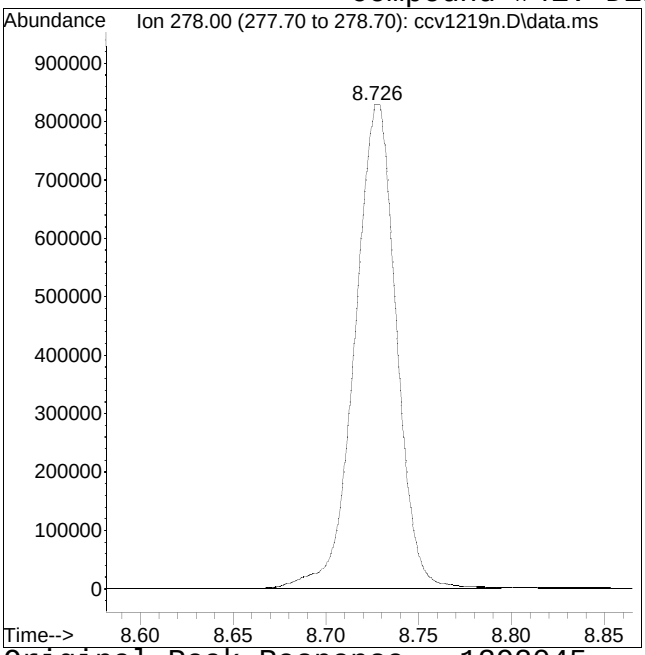
Ion	Ratio	Lower	Upper
276	100		
138	23.7	14.6	22.0#



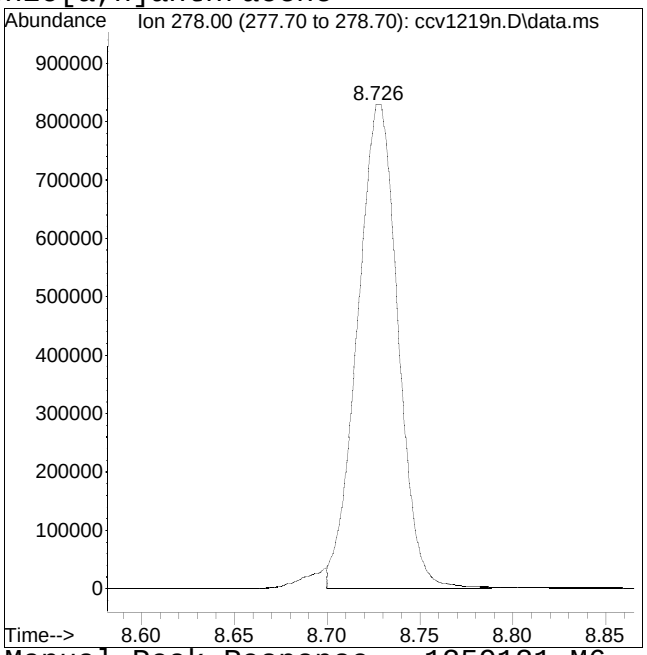
Manual Integration Report

Data Path : I:\8270SIM\SV125\241219nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : ccv1219n.D Operator : SV125:slr
Date Inj'd : 12/19/2024 7:33 pm Instrument : SV125
Sample : WG2011538-3,32,,ICV 10884 Quant Date : 12/19/2024 7:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1292045



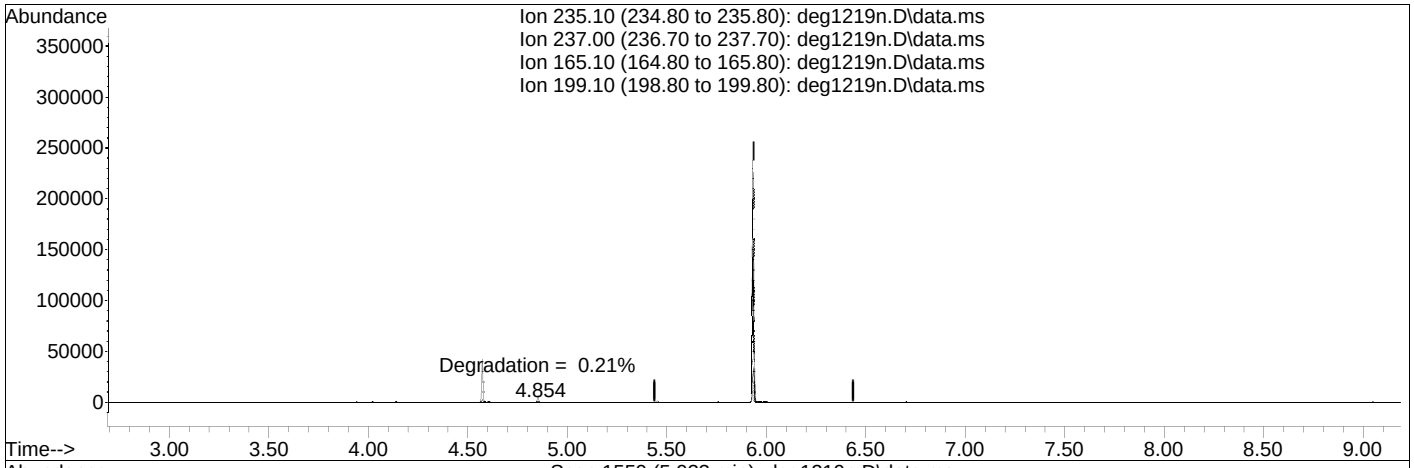
Manual Peak Response = 1259121 M6

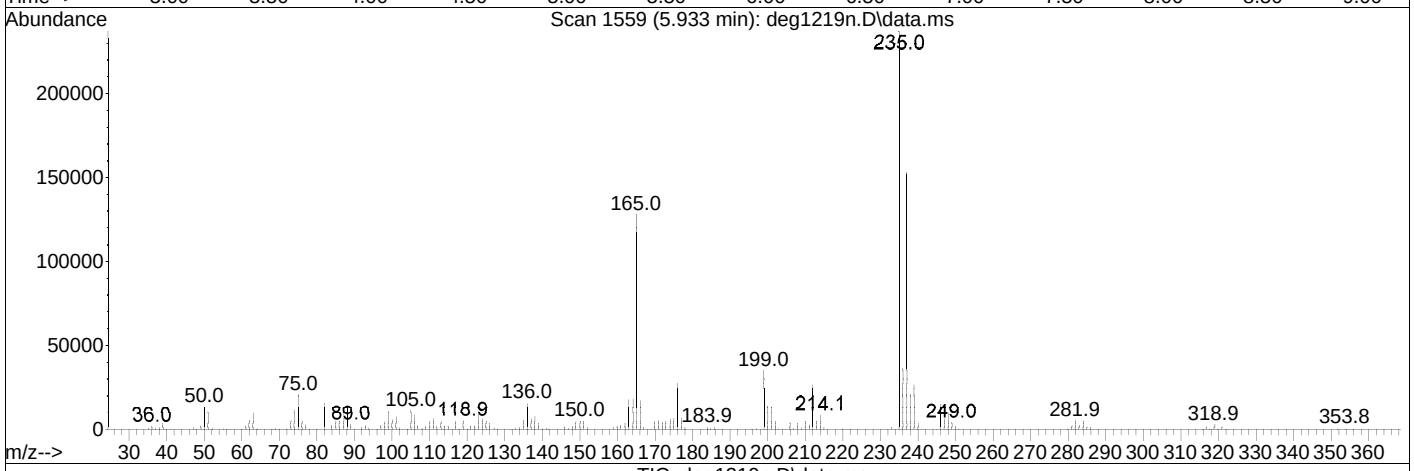
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : deg1219n.D
Acq On : 19 Dec 2024 07:15 pm
Operator : SV125:slr
Sample : WG2011538-2,32,,dftpp SV125 lot #11212
Misc : WG2011538,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 19 19:31:38 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 14 12:58:47 2024
Response via : Continuing Cal File:





TIC: deg1219n.D\data.ms

(6) ddt (T)

5.933min (-0.006) 19.14

response 116653

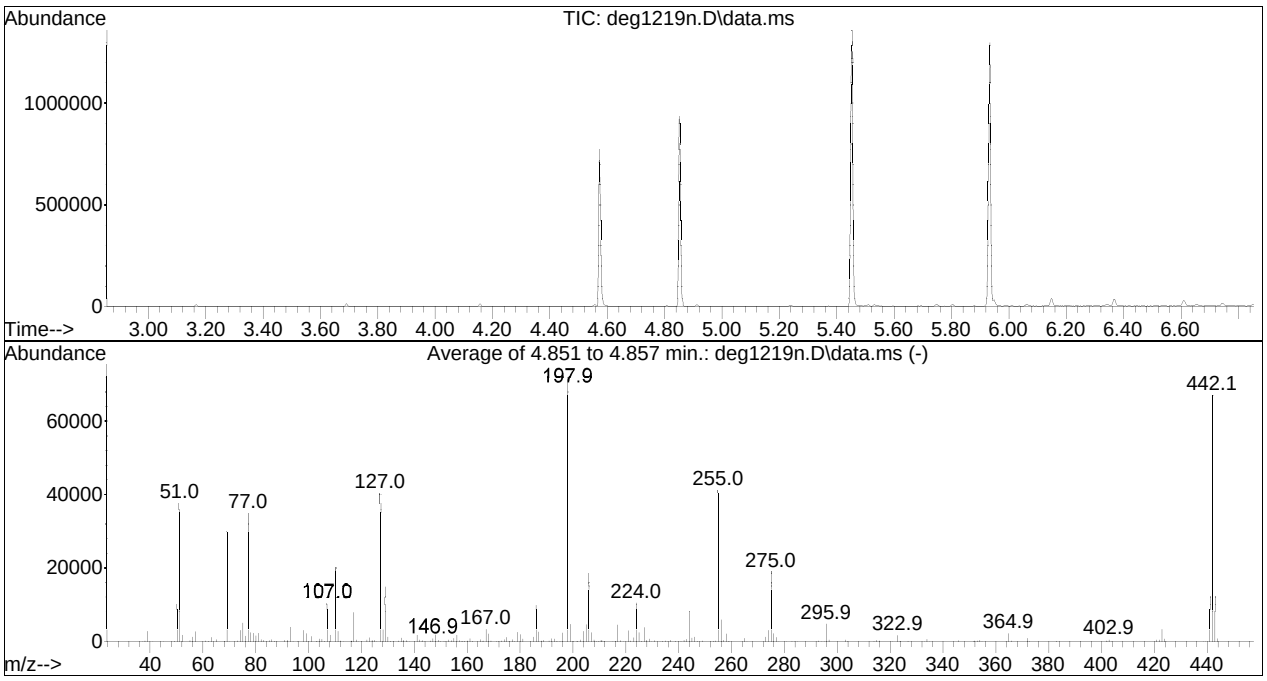
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.64
165.10	53.30	54.26
199.10	17.10	14.63

DFTPP

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : deg1219n.D
Acq On : 19 Dec 2024 07:15 pm
Operator : SV125:slr
Sample : WG2011538-1,32,,dftpp SV125 lot #11212
Misc : WG2011538,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\241219nRVT\SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 19 19:51:01 2024



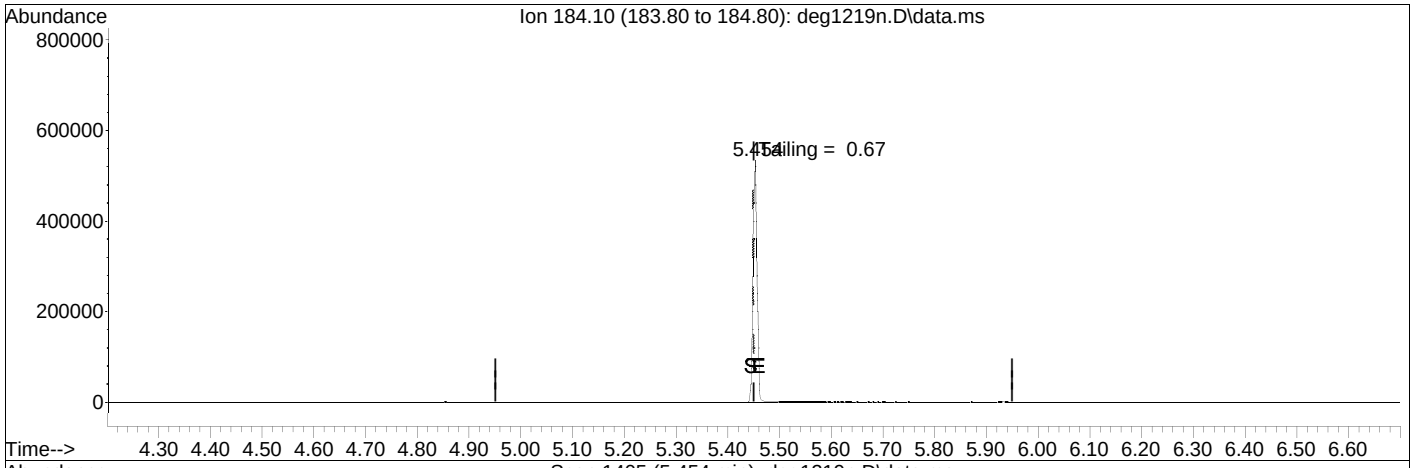
AutoFind: Scans 1211, 1212, 1213; Background Corrected with Scan 1205

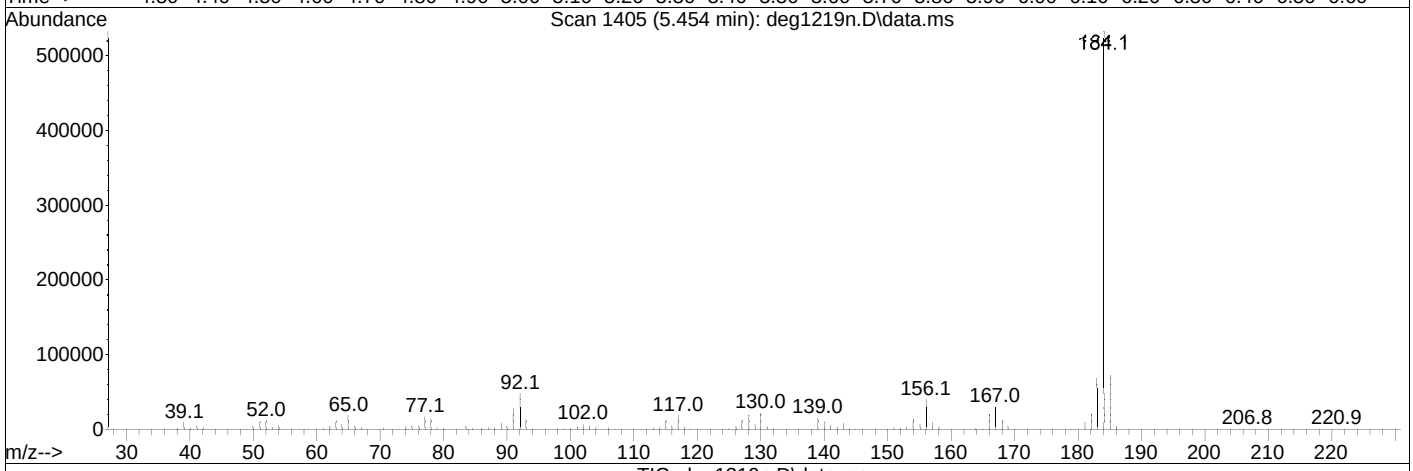
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.4	37672	PASS
68	69	0.00	2	0.9	273	PASS
69	69	100	100	100.0	30029	PASS
70	69	0.00	2	0.4	121	PASS
127	198	10	80	56.1	40347	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	71859	PASS
199	198	5	9	6.5	4673	PASS
275	198	10	60	26.3	18914	PASS
365	198	1	100	3.1	2261	PASS
441	442	0.01	24	18.0	12110	PASS
442	198	50	100	93.4	67096	PASS
443	442	15	24	18.2	12244	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : deg1219n.D
Acq On : 19 Dec 2024 07:15 pm
Operator : SV125:slr
Sample : WG2011538-4,32,,dftpp SV125 lot #11212
Misc : WG2011538,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 19 19:31:38 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 14 12:58:47 2024
Response via : Continuing Cal File:





TIC: deg1219n.D\data.ms

(3) benzidine (T)

5.454min (+ 0.003) 25.95

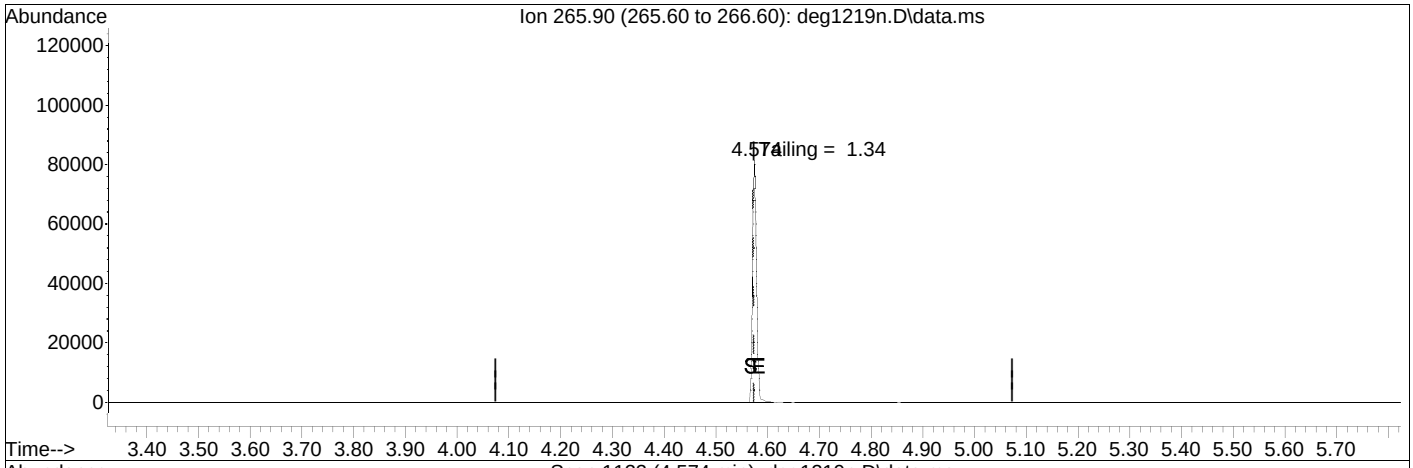
response 264218

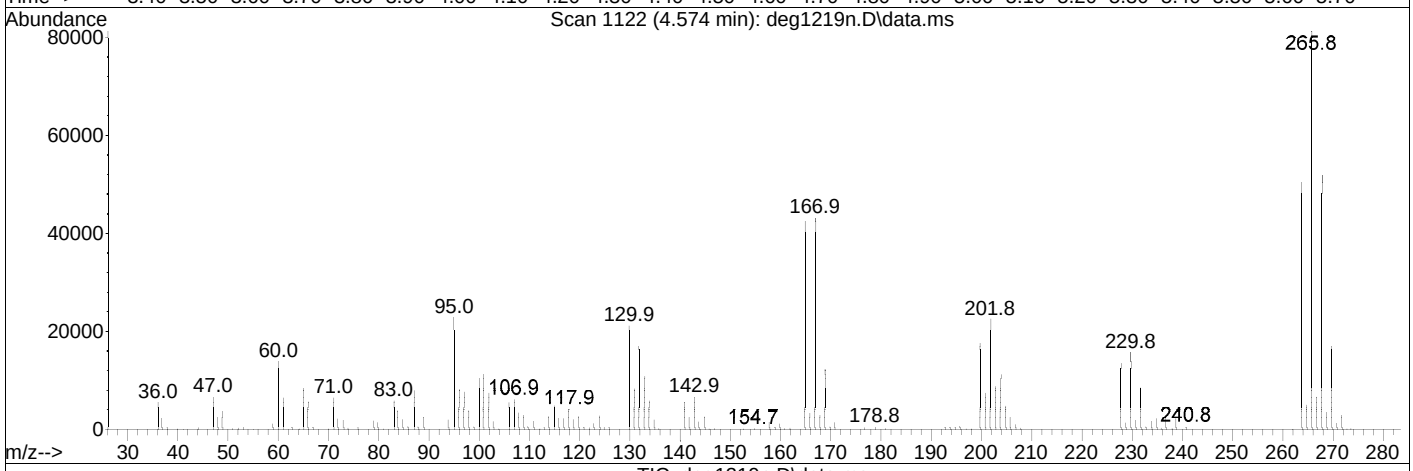
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241219nRVT\
Data File : deg1219n.D
Acq On : 19 Dec 2024 07:15 pm
Operator : SV125:slr
Sample : WG2011538-5,32,,dftpp SV125 lot #11212
Misc : WG2011538,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 19 19:31:38 2024
Quant Method : I:\8270SIM\SV125\241219nRVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 14 12:58:47 2024
Response via : Continuing Cal File:





TIC: deg1219n.D\data.ms

(1) pentachlorophenol (T)

4.574min (+ 0.000) 18.86

response 39614

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 010030-1.D
Acq On : 18 Dec 2024 08:18 am
Operator : SV125:kmh
Sample : WG2010030-1,32,,RR(ott),kmh
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:42:06 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.217	152	724855	4000.000	ng/ml	0.00
Standard Area 1 = 935616			Recovery = 77.47%			
8) Naphthalene-d8	2.887	136	2769557	4000.000	ng/ml	0.00
Standard Area 1 = 3556436			Recovery = 77.87%			
17) Acenaphthene-d10	3.871	164	1624154	4000.000	ng/ml	0.00
Standard Area 1 = 2260492			Recovery = 71.85%			
22) Phenanthrene-d10	4.720	188	3194882	4000.000	ng/ml	0.00
Standard Area 1 = 4537937			Recovery = 70.40%			
31) Chrysene-d12	6.276	240	3205074	4000.000	ng/ml	0.00
Standard Area 1 = 4704311			Recovery = 68.13%			
36) Perylene-d12	7.475	264	3680484	4000.000	ng/ml	0.00
Standard Area 1 = 5636689			Recovery = 65.30%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.630	112	182671	937.899	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.89%			
3) Phenol-d6	2.040	99	165673	672.077	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.60%			
7) Nitrobenzene-d5	2.504	82	163277	777.981	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.80%			
13) 2-Fluorobiphenyl	3.489	172	380276	617.228	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 61.72%			
21) 2,4,6-Tribromophenol	4.323	330	137991	1566.484	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 78.32%			
30) 4-Terphenyl-d14	5.641	244	646848	878.109	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.81%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. d	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D. d	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 010030-1.D
Acq On : 18 Dec 2024 08:18 am
Operator : SV125:kmh
Sample : WG2010030-1,32,,RR(ott),kmh
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:42:06 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241218RVT\ccv1218.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

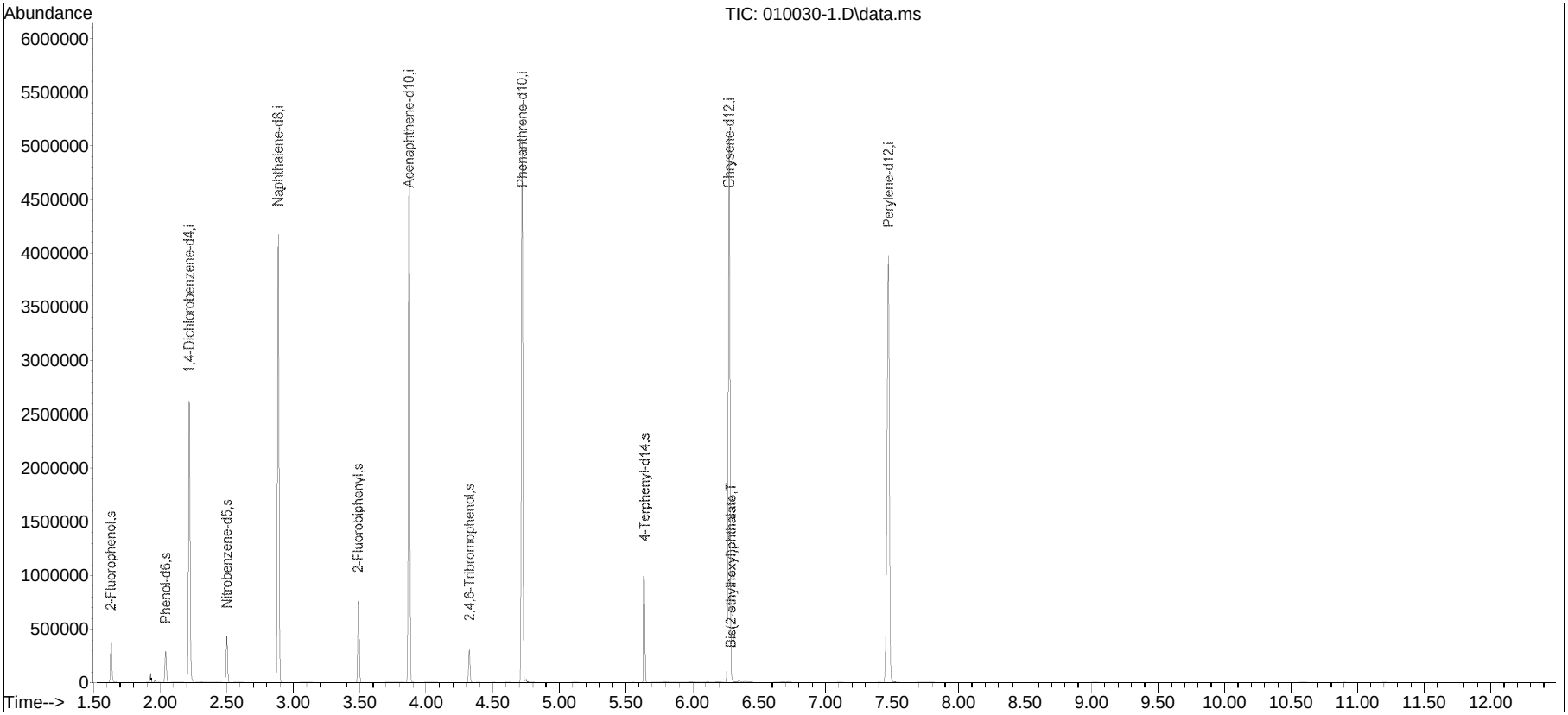
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241218RVT\
Data File : 010030-1.D
Acq On : 18 Dec 2024 08:18 am
Operator : SV125:kmh
Sample : WG2010030-1,32,,RR(ott),kmh
Misc : WG2010584,WG2010030,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 19 09:42:06 2024
Quant Method : I:\8270sim\SV125\241218RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 18 07:10:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1218.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241218RVTQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 010030-1.D	Operator	: SV125:kmh
Date Inj'd	: 12/18/2024 8:18 am	Instrument	: SV125
Sample	: WG2010030-1,32,,RR(ott),km	Quant Date	: 12/18/2024 8:33 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010959-1.D
Acq On : 19 Dec 2024 11:56 am
Operator : SV120:rp
Sample : WG2011034-1,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 16:25:30 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.321	152	137861	4000.000	ng/ml	0.00
Standard Area 1 = 183438			Recovery = 75.15%			
8) Naphthalene-d8	2.979	136	532272	4000.000	ng/ml	0.00
Standard Area 1 = 731006			Recovery = 72.81%			
17) Acenaphthene-d10	3.960	164	305935	4000.000	ng/ml	0.00
Standard Area 1 = 431670			Recovery = 70.87%			
22) Phenanthrene-d10	4.803	188	609522	4000.000	ng/ml	0.00
Standard Area 1 = 877889			Recovery = 69.43%			
31) Chrysene-d12	6.381	240	565318	4000.000	ng/ml	-0.03
Standard Area 1 = 872898			Recovery = 64.76%			
36) Perylene-d12	7.666	264	533482	4000.000	ng/ml	-0.04
Standard Area 1 = 860499			Recovery = 62.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.742	112	36704	904.506	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.23%			
3) Phenol-d6	2.132	99	33754	676.965	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.85%			
7) Nitrobenzene-d5	2.597	82	35413	804.522	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.45%			
13) 2-Fluorobiphenyl	3.575	172	83084	774.442	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.44%			
21) 2,4,6-Tribromophenol	4.406	330	17998	1477.825	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 73.89%			
30) 4-Terphenyl-d14	5.722	244	111270	1003.960	ng/ml	-0.02
Spiked Amount 2000.000	Range 30 - 130		Recovery = 50.20%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D.
25) Pentachlorophenol	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010959-1.D
Acq On : 19 Dec 2024 11:56 am
Operator : SV120:rp
Sample : WG2011034-1,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 16:25:30 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

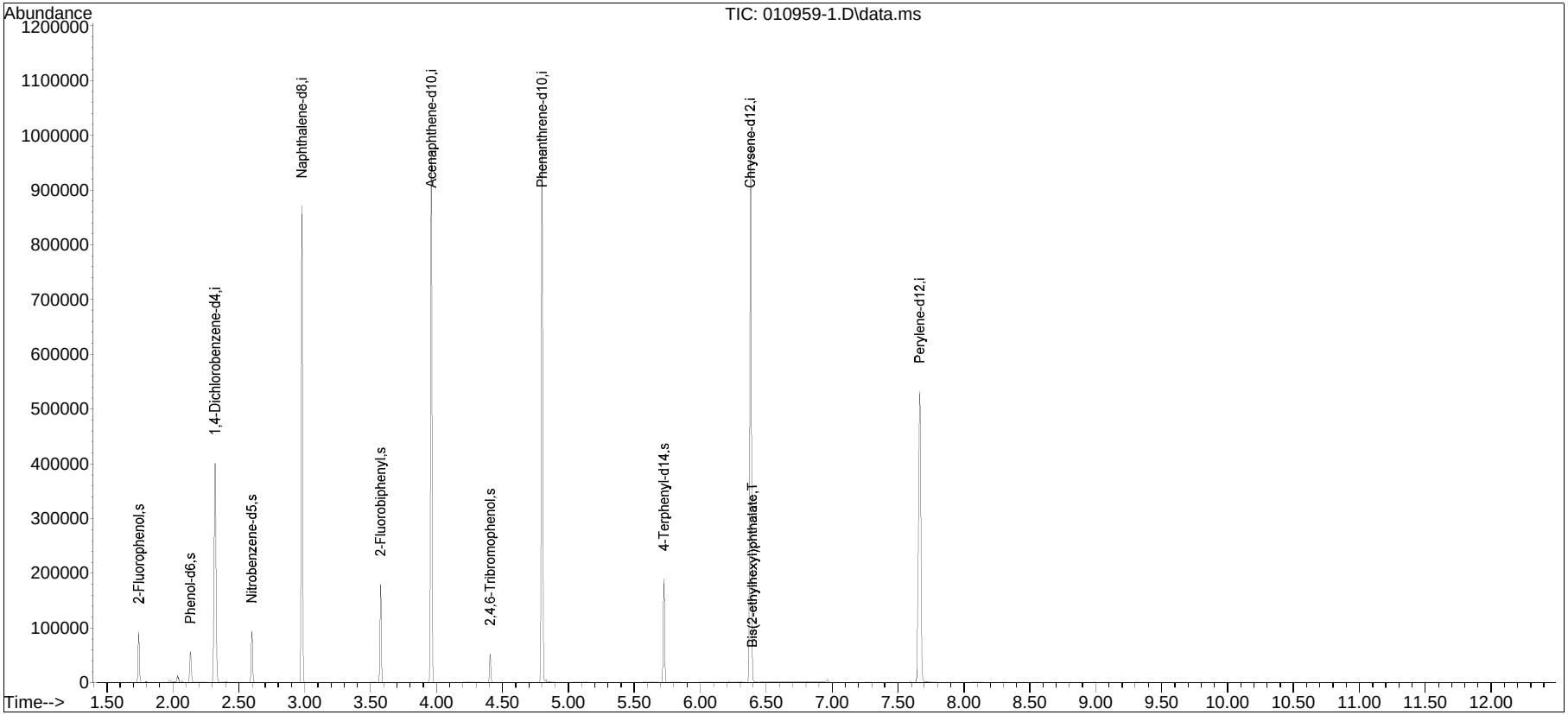
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010959-1.D
Acq On : 19 Dec 2024 11:56 am
Operator : SV120:rp
Sample : WG2011034-1,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 16:25:30 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1219.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241219RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 010959-1.D	Operator	: SV120:rp
Date Inj'd	: 12/19/2024 11:56 am	Instrument	: SV120
Sample	: WG2011034-1,32,,kmh	Quant Date	: 12/19/2024 12:09 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010030-2.D
Acq On : 19 Dec 2024 07:52 am
Operator : SV120:kmh
Sample : WG2010030-2,32,,RV,kmh
Misc : WG2011166,WG2010030,ical21668
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 10:28:29 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.312	152	122770	4000.000	ng/ml	0.00
Standard Area 1 = 183438			Recovery = 66.93%			
8) Naphthalene-d8	2.973	136	495674	4000.000	ng/ml	# 0.00
Standard Area 1 = 731006			Recovery = 67.81%			
17) Acenaphthene-d10	3.957	164	259819	4000.000	ng/ml	0.00
Standard Area 1 = 431670			Recovery = 60.19%			
22) Phenanthrene-d10	4.805	188	493390	4000.000	ng/ml	0.00
Standard Area 1 = 877889			Recovery = 56.20%			
31) Chrysene-d12	6.425	240	440554	4000.000	ng/ml	0.00
Standard Area 1 = 872898			Recovery = 50.47%			
36) Perylene-d12	7.714	264	449905	4000.000	ng/ml	0.00
Standard Area 1 = 860499			Recovery = 52.28%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.737	112	47627	1317.955	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 65.90%			
3) Phenol-d6	2.126	99	42247	951.451	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.57%			
7) Nitrobenzene-d5	2.591	82	35853	914.639	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.46%			
13) 2-Fluorobiphenyl	3.572	172	78615	786.890	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.69%			
21) 2,4,6-Tribromophenol	4.405	330	24144	2334.352	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 116.72%#			
30) 4-Terphenyl-d14	5.745	244	102332	1140.641	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 57.03%			
Target Compounds						Qvalue
6) Hexachloroethane	2.572	117	17490	1088.186	ng/ml	100
9) Naphthalene	2.984	128	184264	1487.104	ng/ml	98
10) Hexachlorobutadiene	3.056	225	23963	1020.643	ng/ml	100
11) 2-Methylnaphthalene	3.364	142	122978	1429.586	ng/ml	99
14) 2-Chloronaphthalene	3.639	162	126910	1486.160	ng/ml	92
16) Acenaphthylene	3.873	152	212914	1729.322	ng/ml	100
18) Acenaphthene	3.973	153	146720	1870.841	ng/ml	92
20) Fluorene	4.267	166	176289	2077.435	ng/ml	99
24) Hexachlorobenzene	4.586	284	56789	2179.013	ng/ml	99
25) Pentachlorophenol	4.700	266	35747	2360.933	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010030-2.D
Acq On : 19 Dec 2024 07:52 am
Operator : SV120:kmh
Sample : WG2010030-2,32,,RV,kmh
Misc : WG2011166,WG2010030,ical21668
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 10:28:29 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.816	178	272118	2314.395	ng/ml	100
27) Anthracene	4.847	178	275387	2263.825	ng/ml	100
28) Fluoranthene	5.513	202	326310	2409.587	ng/ml	99
29) Pyrene	5.650	202	338896	2426.899	ng/ml	100
32) Benzo[a]anthracene	6.415	228	323824	2406.456	ng/ml	98
34) Chrysene	6.440	228	298579	2560.028	ng/ml	98
37) Benzo[b]fluoranthene	7.315	252	320754	2349.575	ng/ml	100
38) Benzo[k]fluoranthene	7.342	252	305469	2489.050	ng/ml	99
39) Benzo[a]pyrene	7.647	252	277315	2480.060	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	9.007	276	297945	2605.829	ng/ml	98
41) Dibenzo[a,h]anthracene	9.045	278	269892M6	2512.632	ng/ml	
42) Benzo[g,h,i]perylene	9.370	276	276629	2491.082	ng/ml	98

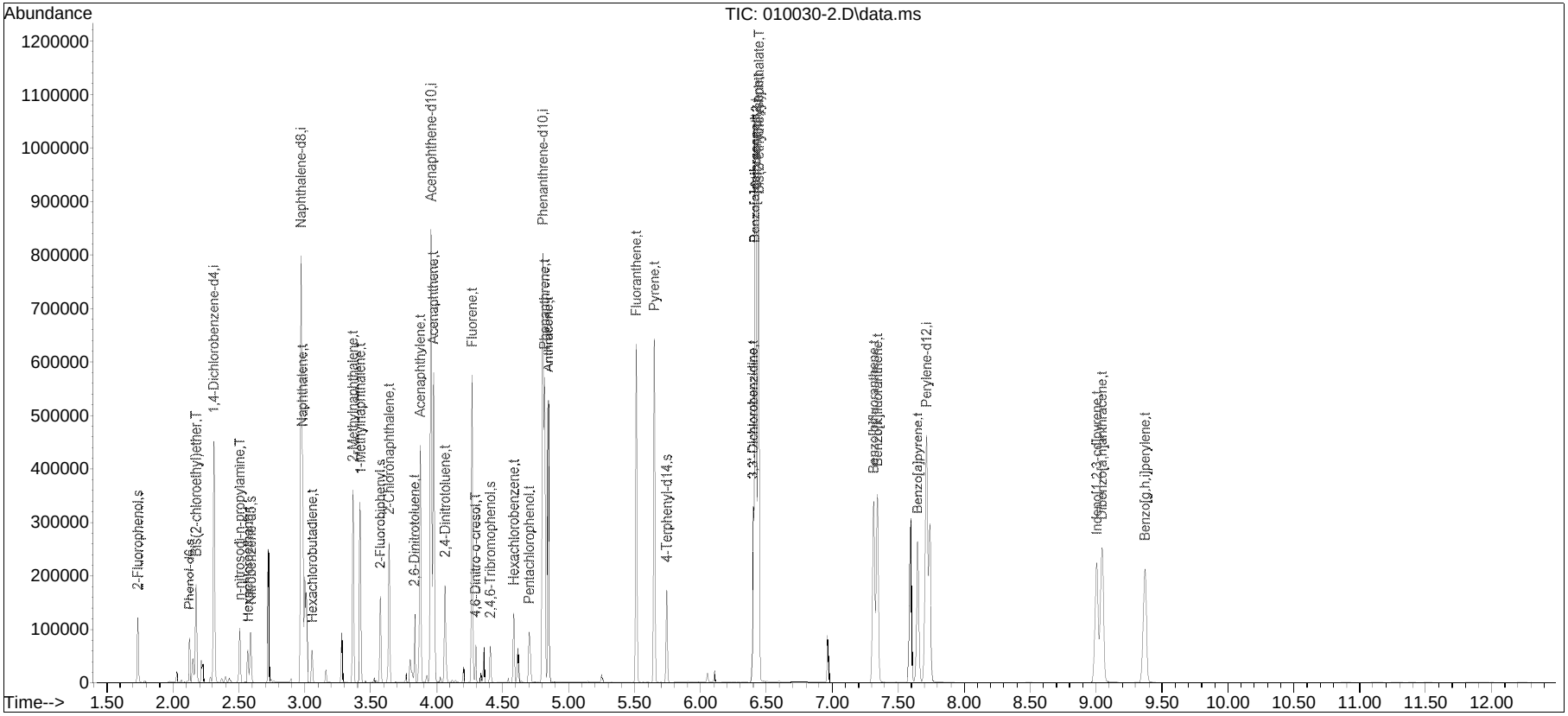
(#) = qualifier out of range (m) = manual integration (+) = signals summed

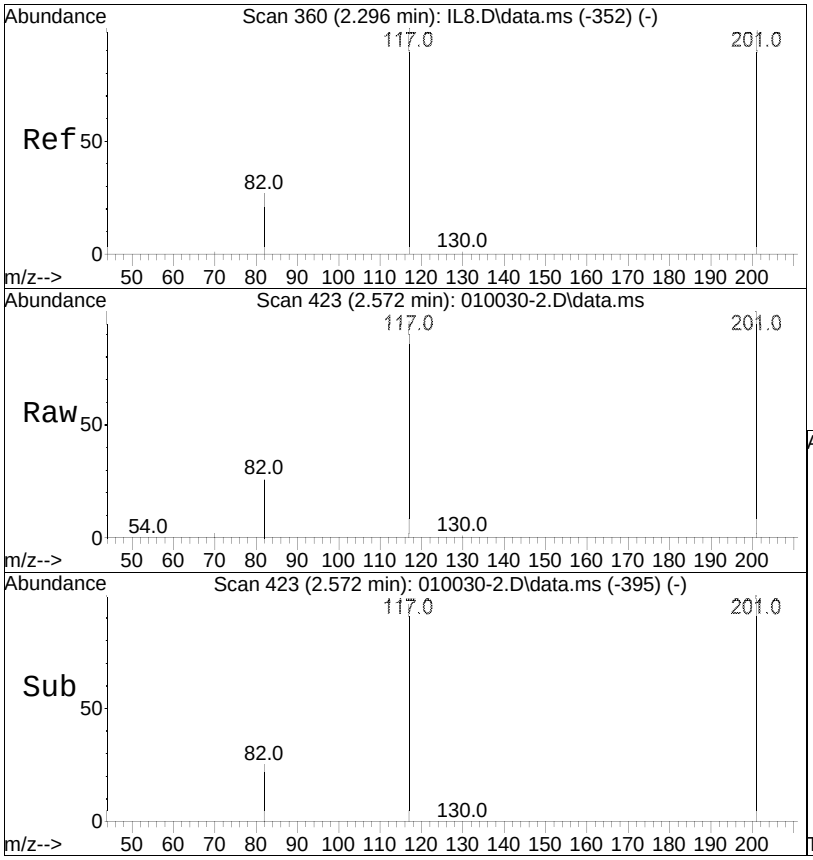
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010030-2.D
Acq On : 19 Dec 2024 07:52 am
Operator : SV120:kmh
Sample : WG2010030-2,32,,RV,kmh
Misc : WG2011166,WG2010030,ical21668
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 10:28:29 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1219.D•

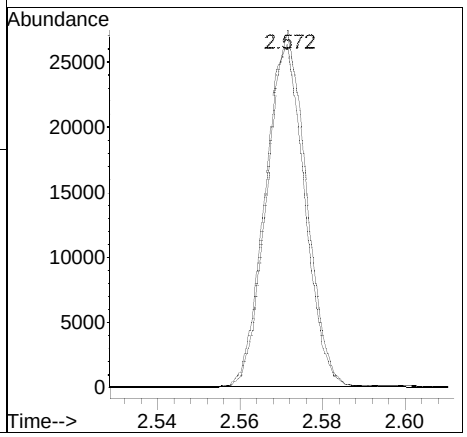


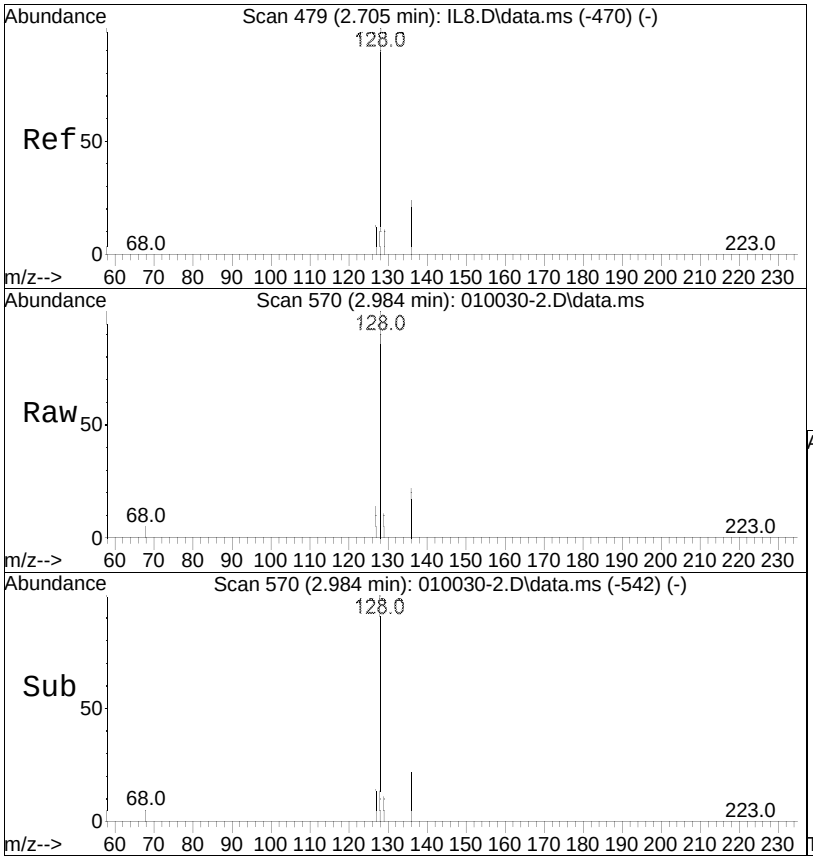


#6
Hexachloroethane
Concen: 1088.19 ng/ml
RT: 2.572 min Scan# 423
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:117 Resp: 17490

Ion	Ratio	Lower	Upper
117	100		
201	102.0	82.0	123.0

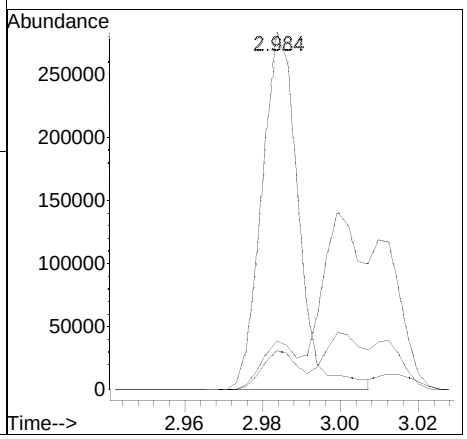


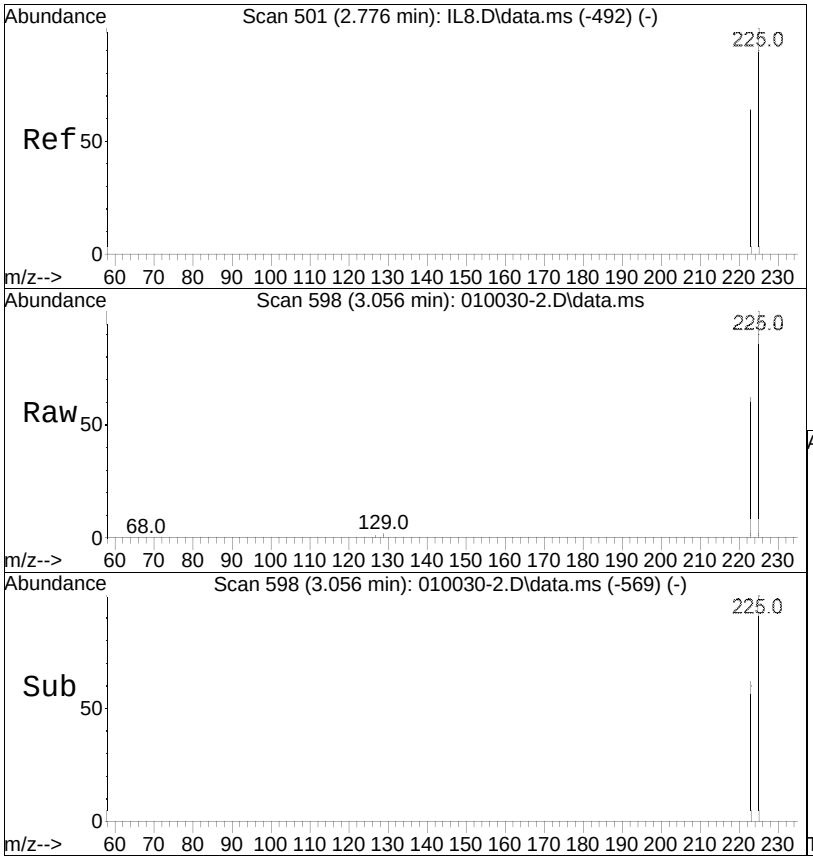


#9
Naphthalene
Concen: 1487.10 ng/ml
RT: 2.984 min Scan# 570
Delta R.T. -0.006 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:128 Resp: 184264

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.4	10.7	16.1

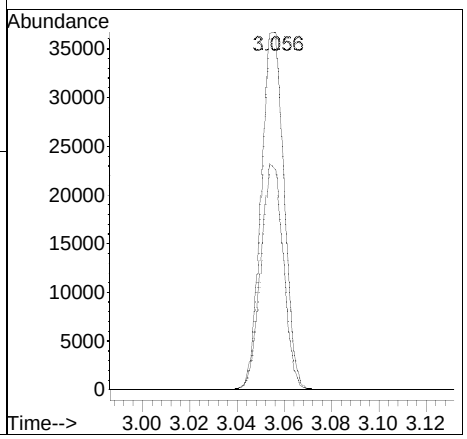


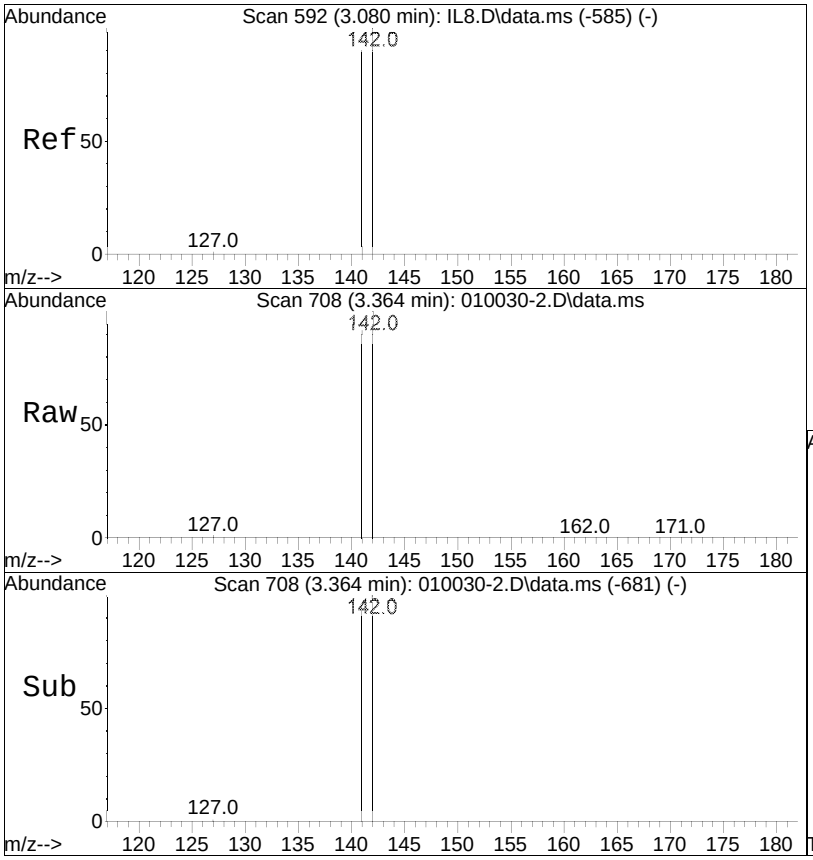


#10
Hexachlorobutadiene
Concen: 1020.64 ng/ml
RT: 3.056 min Scan# 598
Delta R.T. -0.004 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:225 Resp: 23963

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7

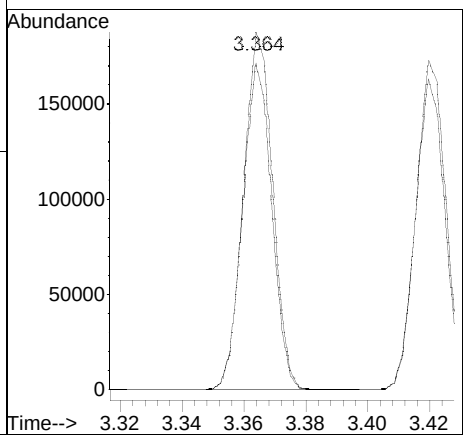


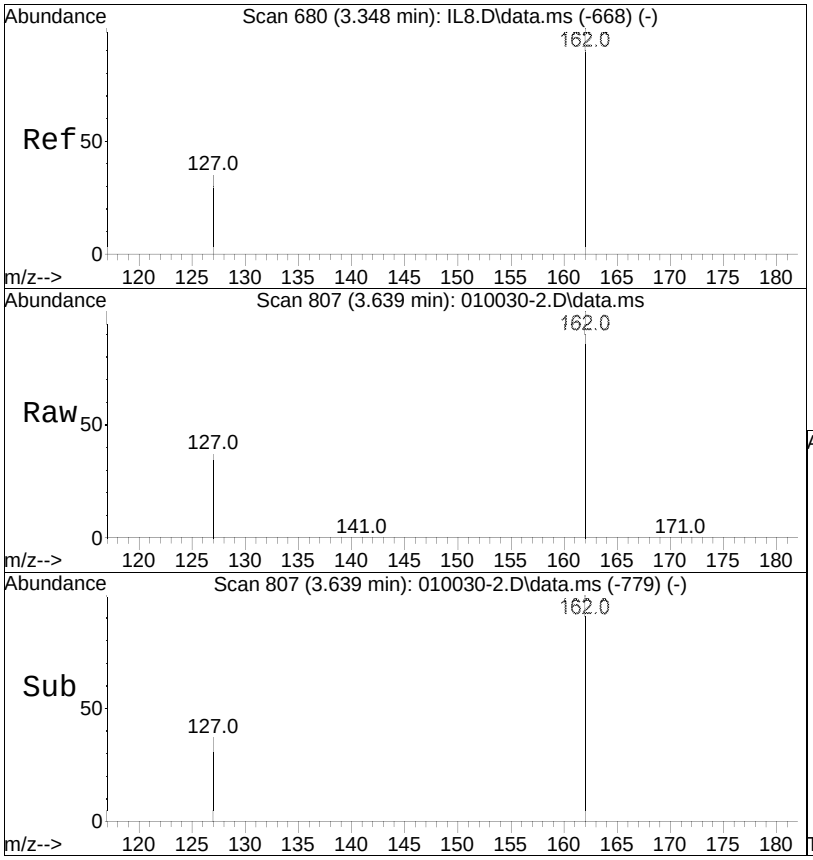


#11
2-Methylnaphthalene
Concen: 1429.59 ng/ml
RT: 3.364 min Scan# 708
Delta R.T. -0.006 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:142 Resp: 122978

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2

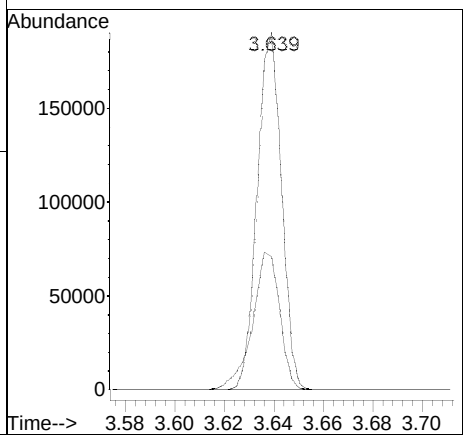


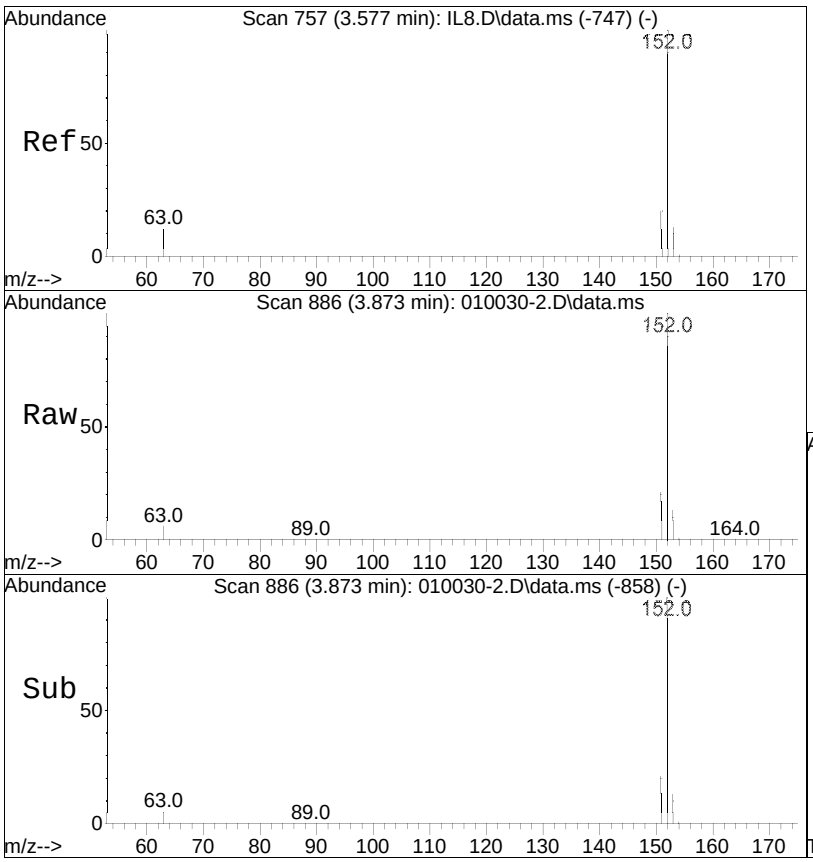


#14
2-Chloronaphthalene
Concen: 1486.16 ng/ml
RT: 3.639 min Scan# 807
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:162 Resp: 126910

Ion	Ratio	Lower	Upper
162	100		
127	43.7	31.0	46.4

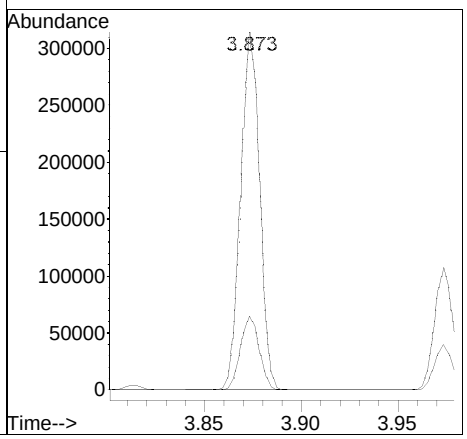


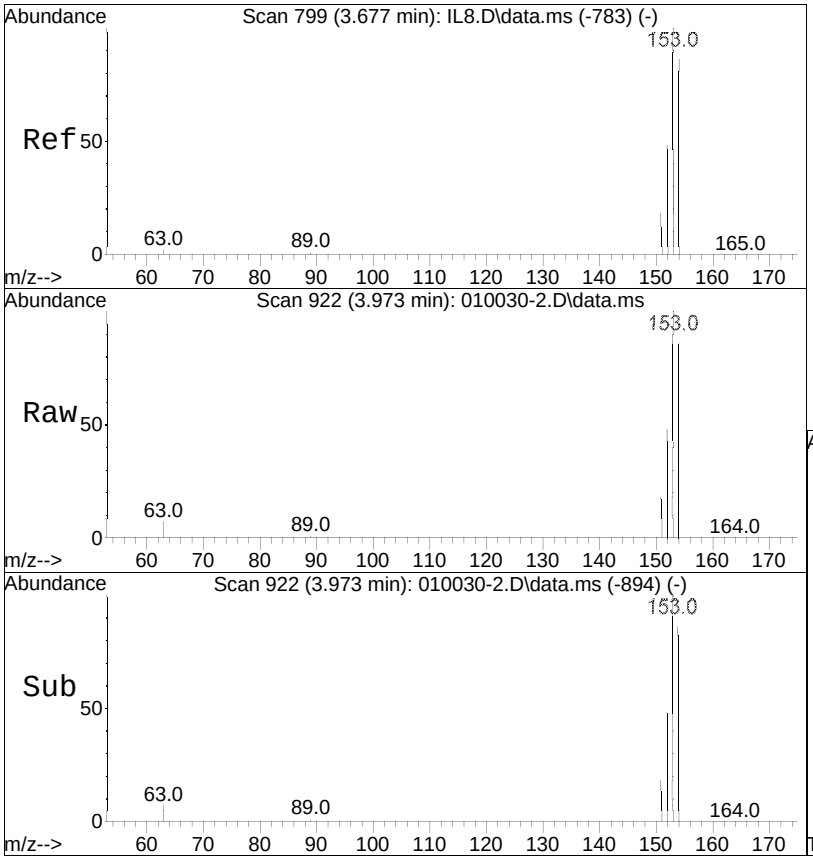


#16
Acenaphthylene
Concen: 1729.32 ng/ml
RT: 3.873 min Scan# 886
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:152 Resp: 212914

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6

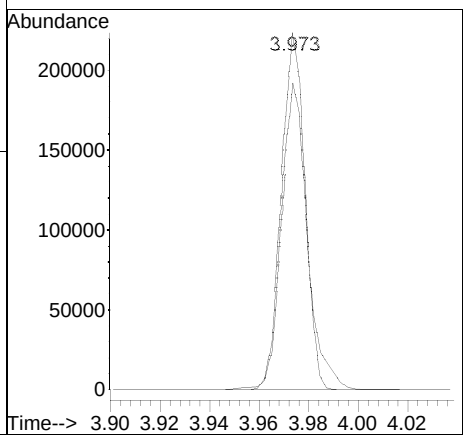


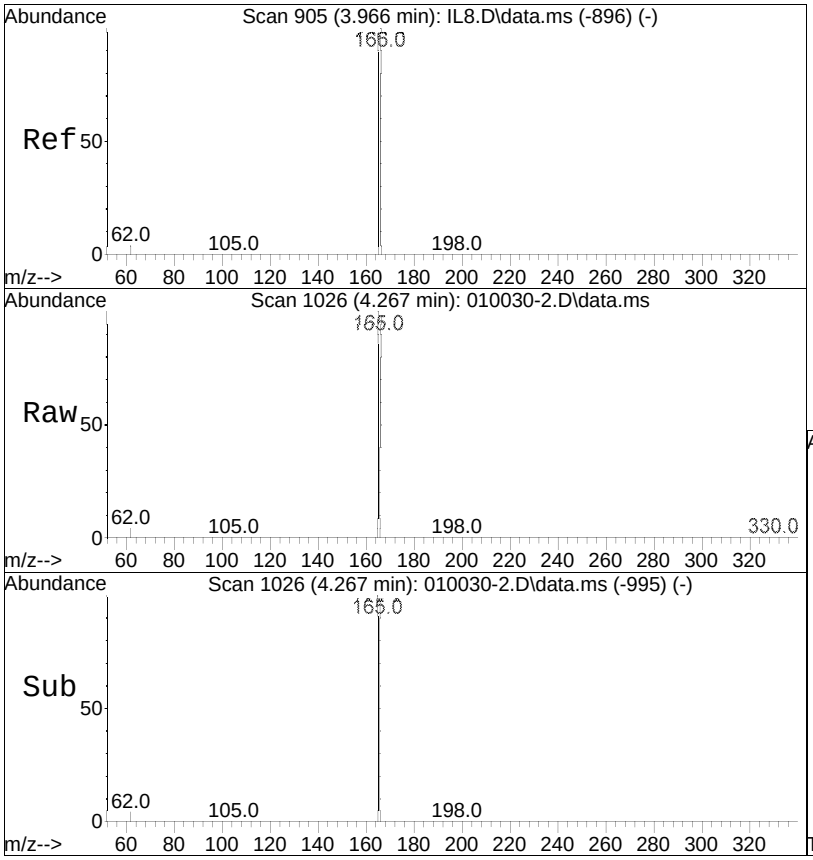


#18
Acenaphthene
Concen: 1870.84 ng/ml
RT: 3.973 min Scan# 922
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:153 Resp: 146720

Ion	Ratio	Lower	Upper
153	100		
154	94.3	69.8	104.6

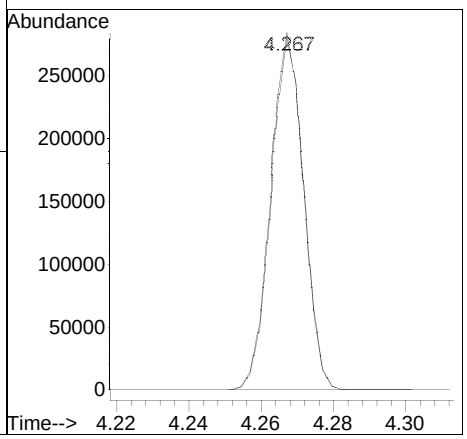


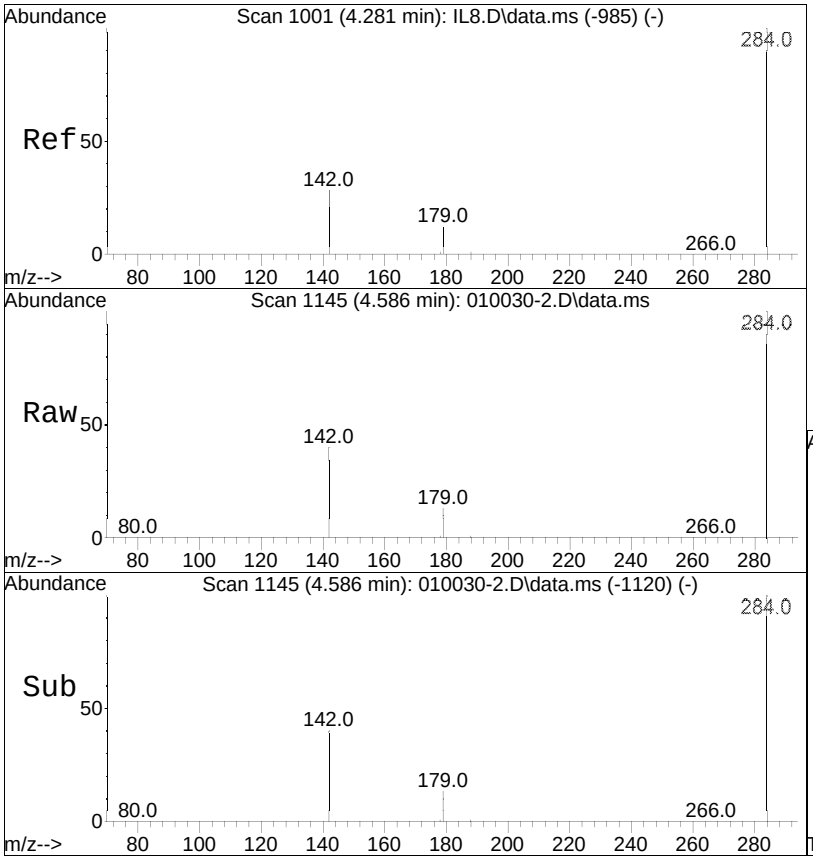


#20
Fluorene
Concen: 2077.44 ng/ml
RT: 4.267 min Scan# 1026
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:166 Resp: 176289

Ion	Ratio	Lower	Upper
166	100		
165	101.4	80.1	120.1

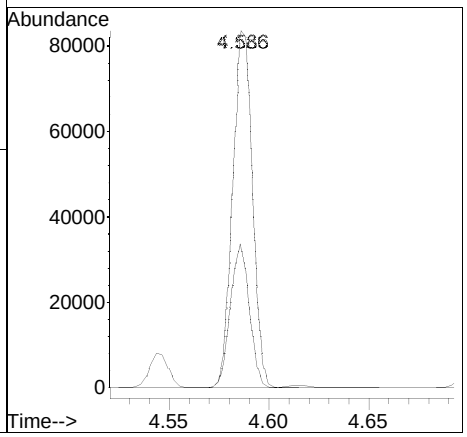


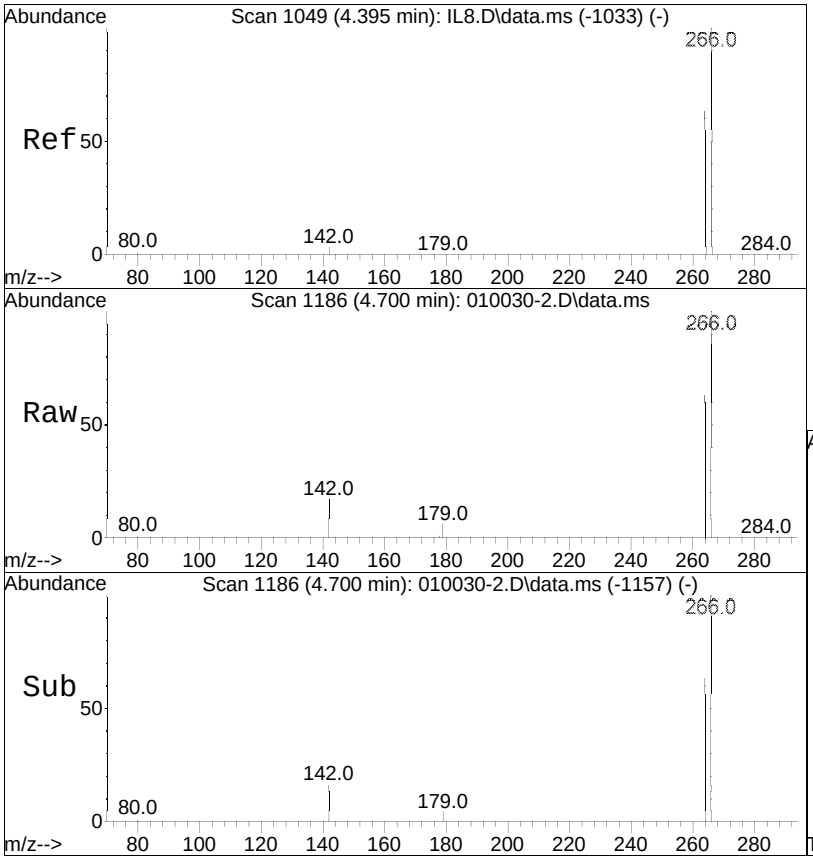


#24
Hexachlorobenzene
Concen: 2179.01 ng/ml
RT: 4.586 min Scan# 1145
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:284 Resp: 56789

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.2	45.2

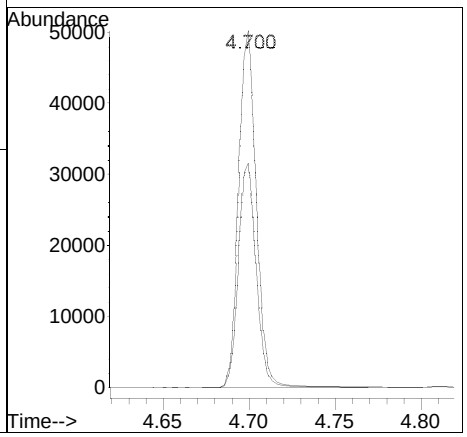


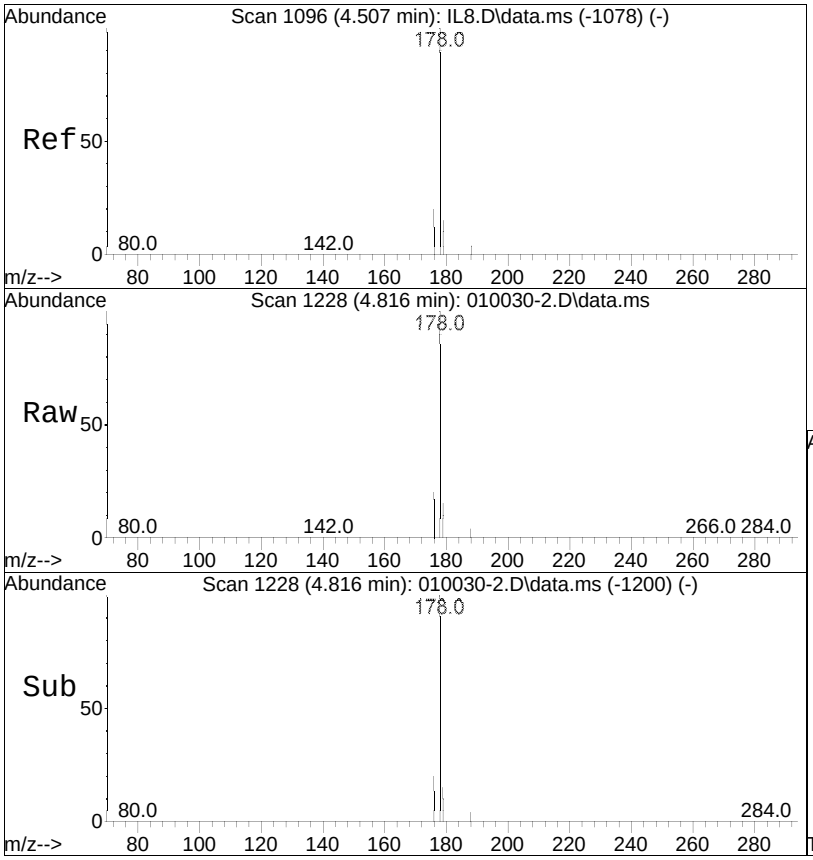


#25
Pentachlorophenol
Concen: 2360.93 ng/ml
RT: 4.700 min Scan# 1186
Delta R.T. -0.001 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:266 Resp: 35747

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.3	75.5

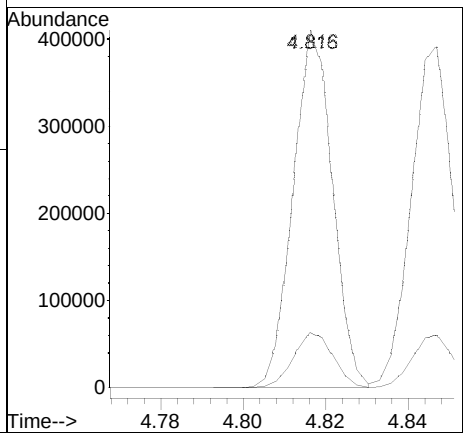


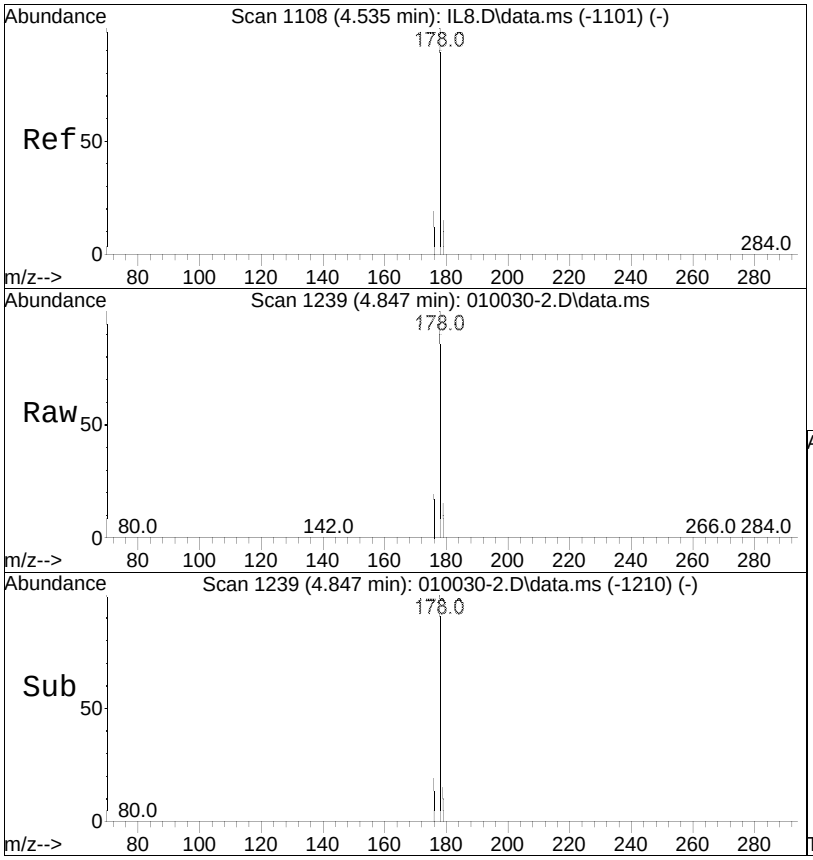


#26
Phenanthrene
Concen: 2314.39 ng/ml
RT: 4.816 min Scan# 1228
Delta R.T. -0.003 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:178 Resp: 272118

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

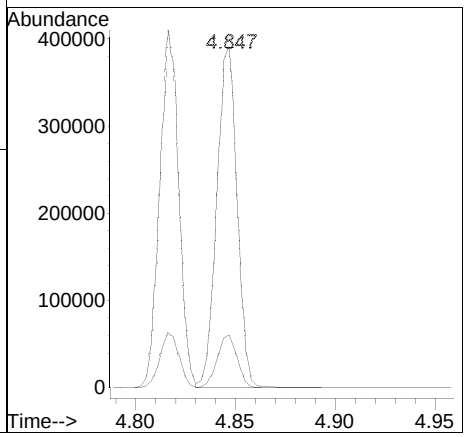


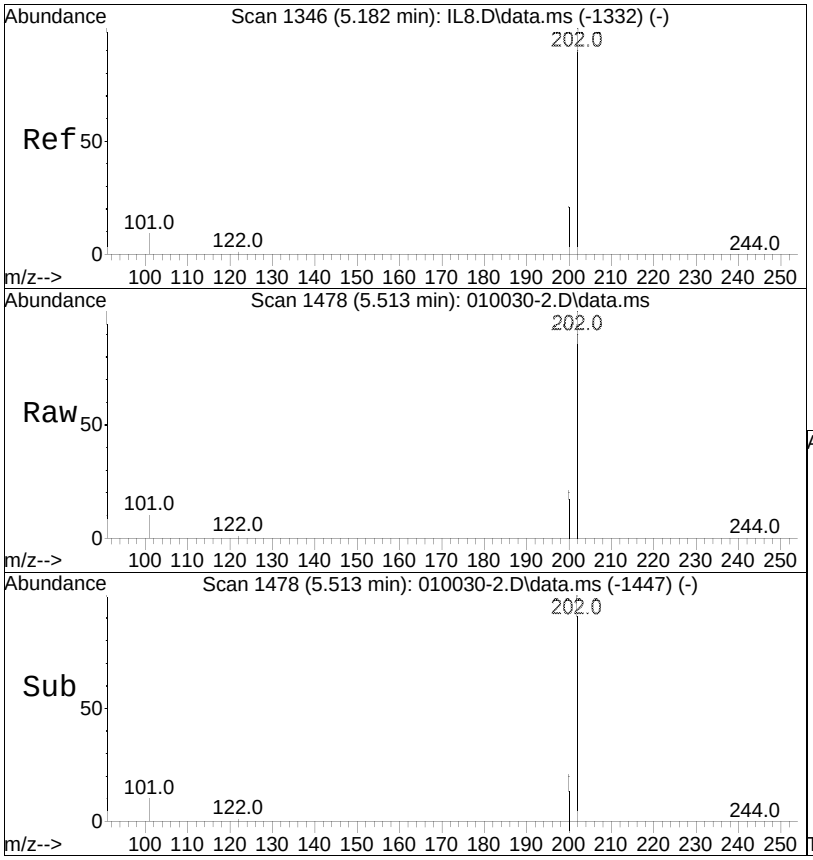


#27
Anthracene
Concen: 2263.83 ng/ml
RT: 4.847 min Scan# 1239
Delta R.T. -0.001 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:178 Resp: 275387

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5

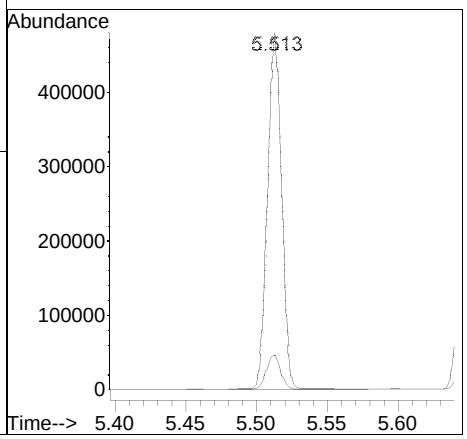


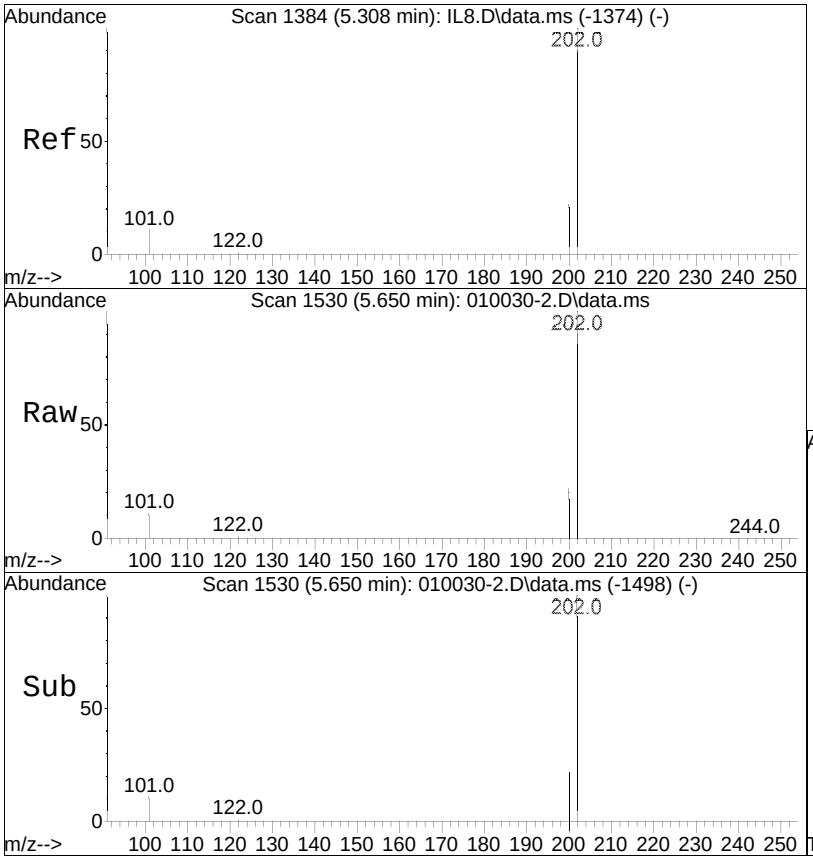


#28
Fluoranthene
Concen: 2409.59 ng/ml
RT: 5.513 min Scan# 1478
Delta R.T. 0.002 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:202 Resp: 326310

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6

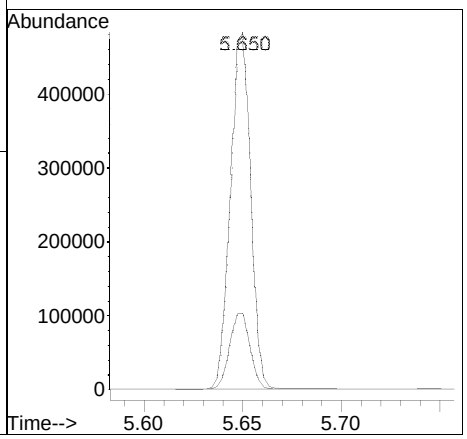


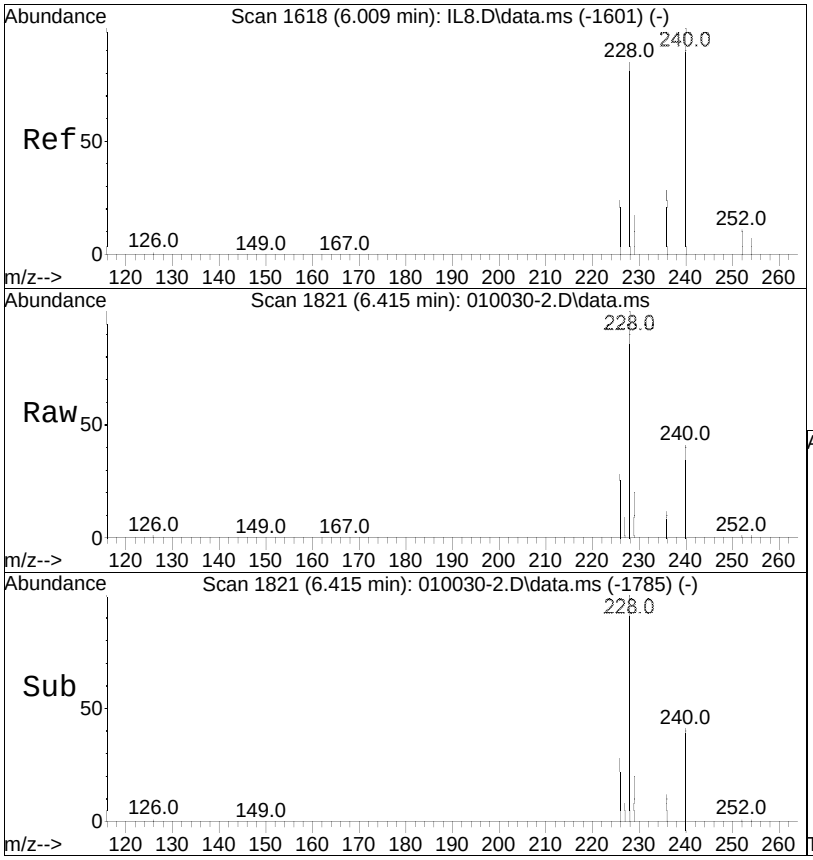


#29
Pyrene
Concen: 2426.90 ng/ml
RT: 5.650 min Scan# 1530
Delta R.T. 0.004 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:202 Resp: 338896

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3

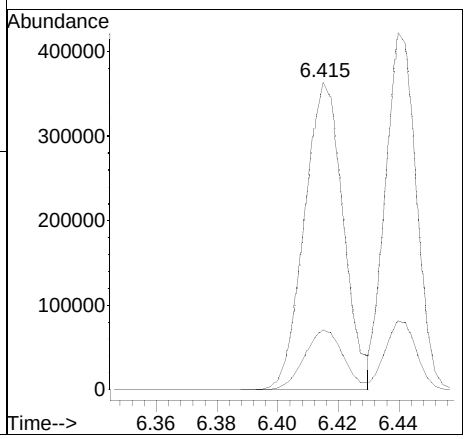


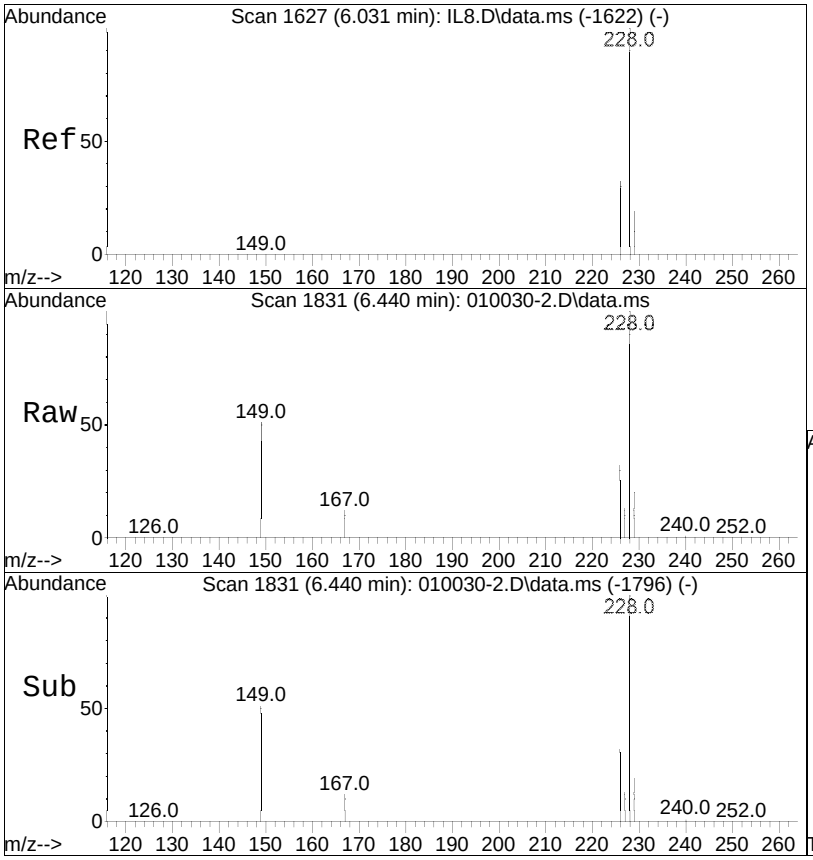


#32
Benzo[a]anthracene
Concen: 2406.46 ng/ml
RT: 6.415 min Scan# 1821
Delta R.T. 0.009 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:228 Resp: 323824

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.2	24.4

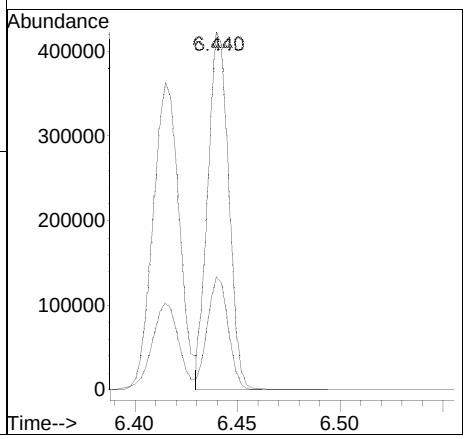


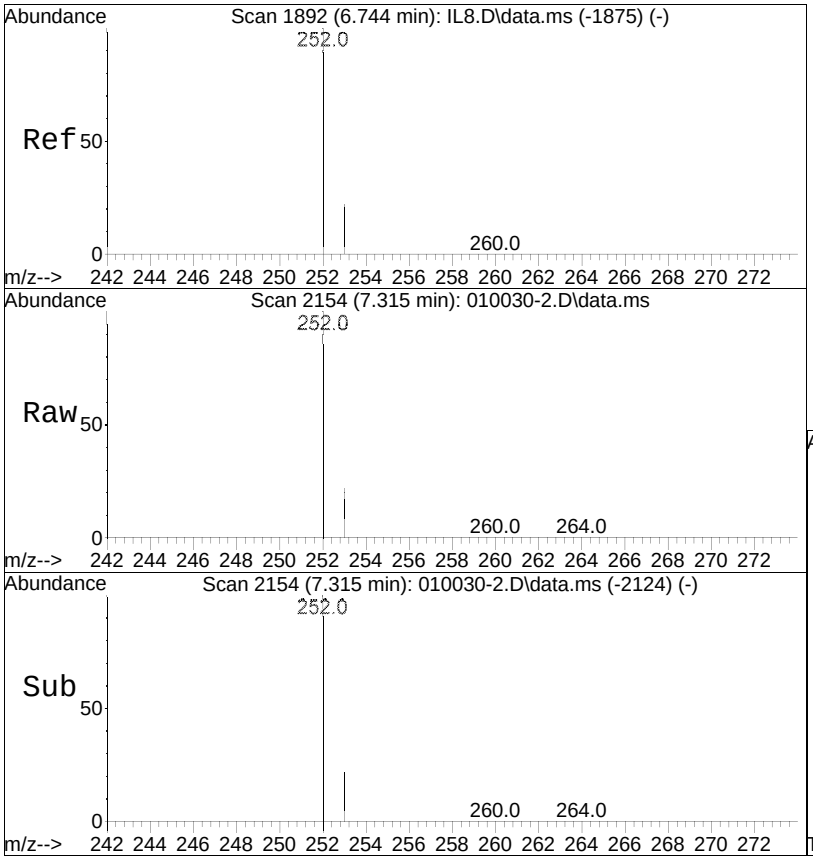


#34
Chrysene
Concen: 2560.03 ng/ml
RT: 6.440 min Scan# 1831
Delta R.T. 0.007 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:228 Resp: 298579

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.9	37.3

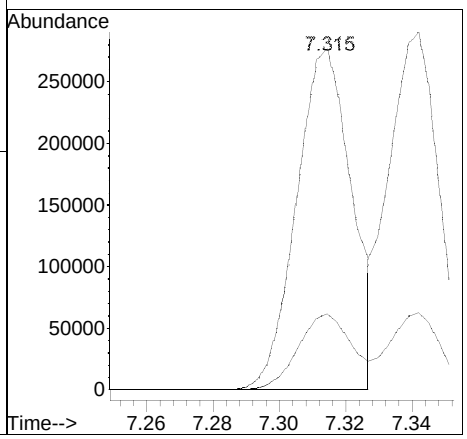


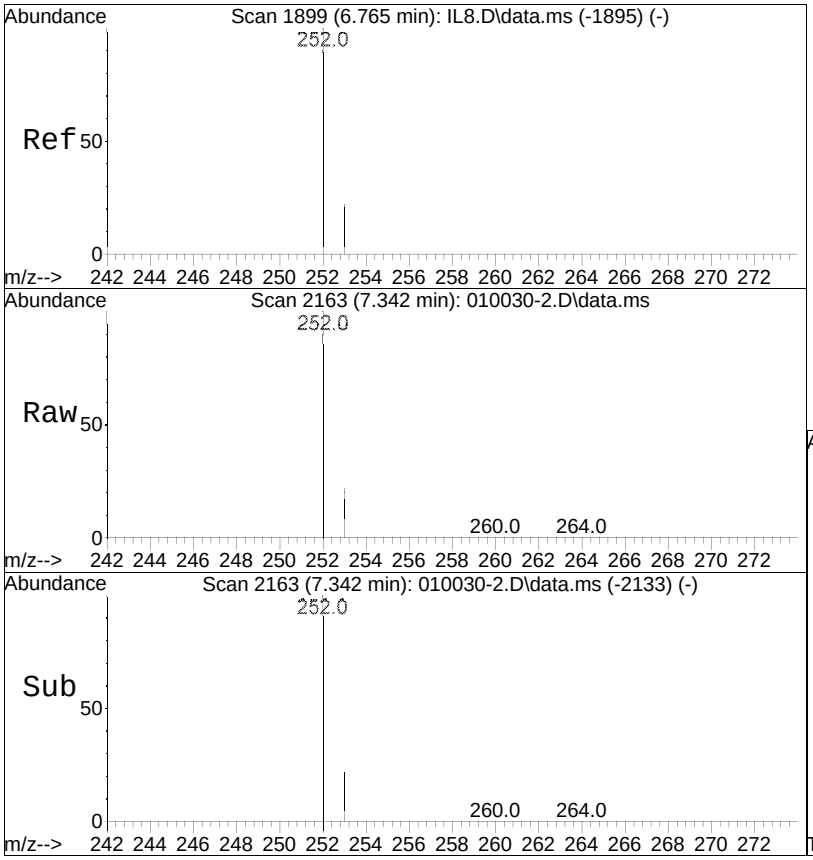


#37
Benzo[b]fluoranthene
Concen: 2349.58 ng/ml
RT: 7.315 min Scan# 2154
Delta R.T. 0.012 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:252 Resp: 320754

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

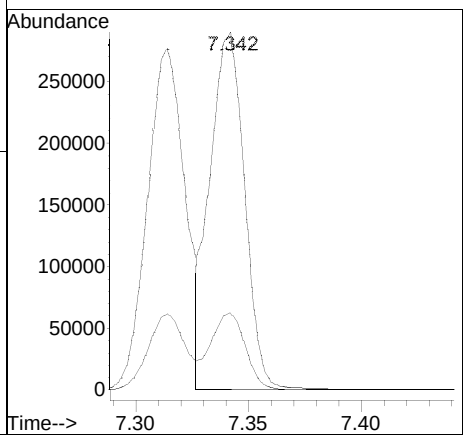


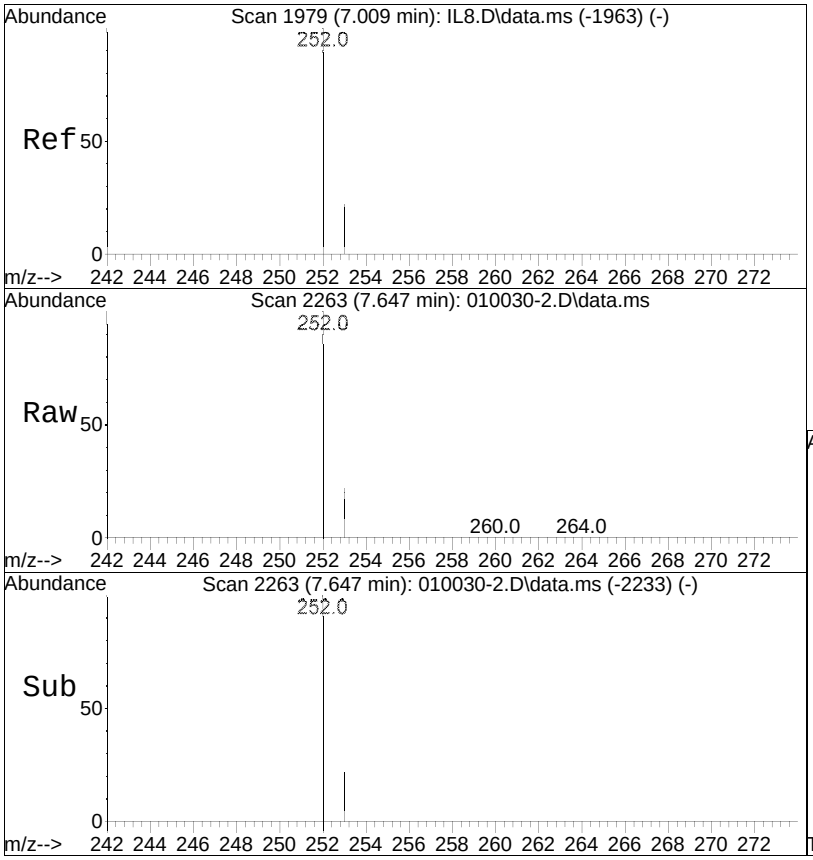


#38
Benzo[k]fluoranthene
Concen: 2489.05 ng/ml
RT: 7.342 min Scan# 2163
Delta R.T. 0.012 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:252 Resp: 305469

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4

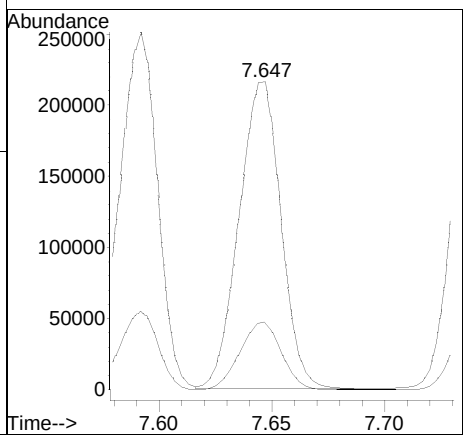


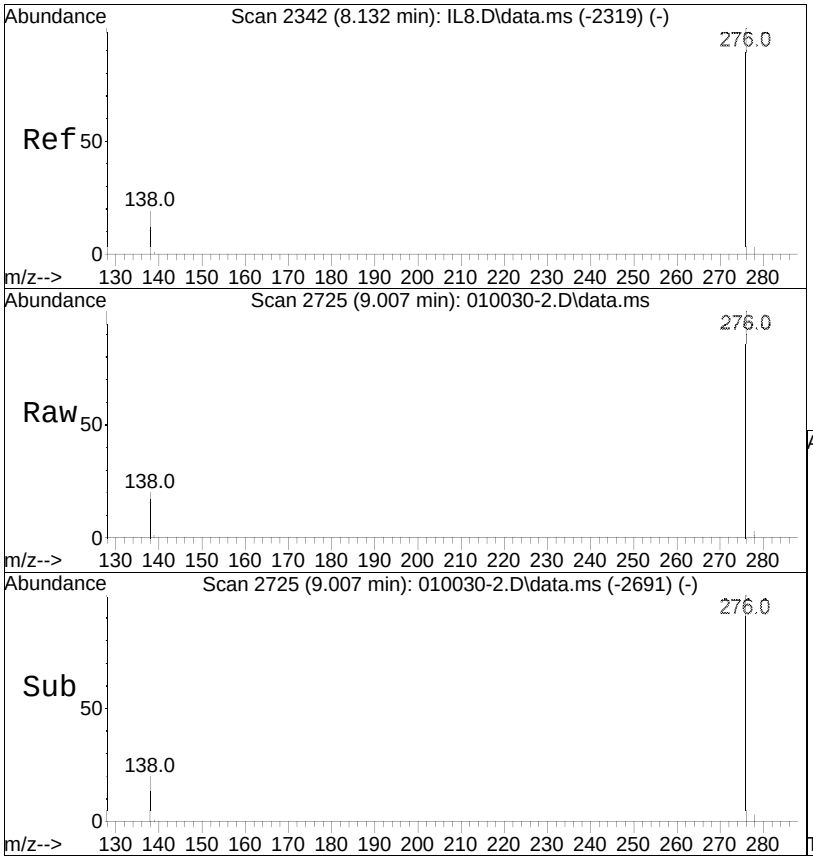


#39
Benzo[a]pyrene
Concen: 2480.06 ng/ml
RT: 7.647 min Scan# 2263
Delta R.T. 0.012 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:252 Resp: 277315

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

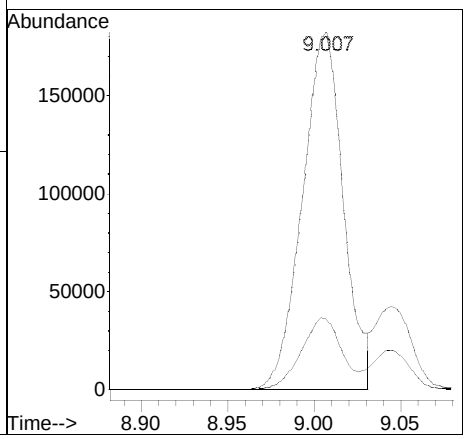


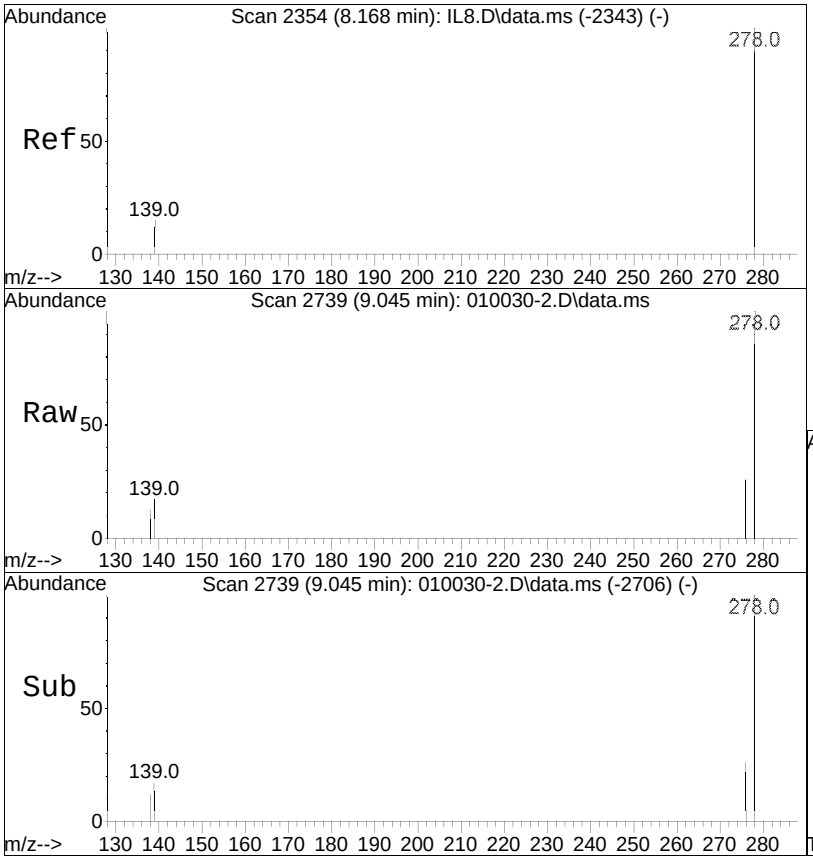


#40
Indeno[1,2,3-cd]pyrene
Concen: 2605.83 ng/ml
RT: 9.007 min Scan# 2725
Delta R.T. 0.013 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:276 Resp: 297945

Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.4	23.0

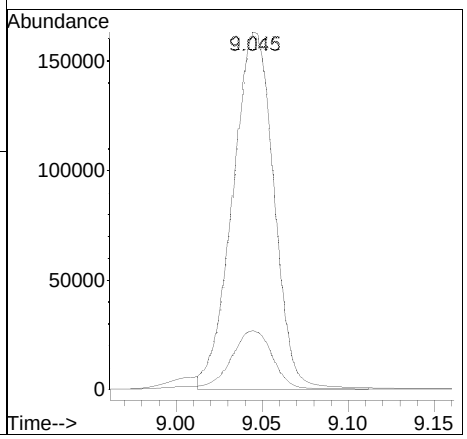


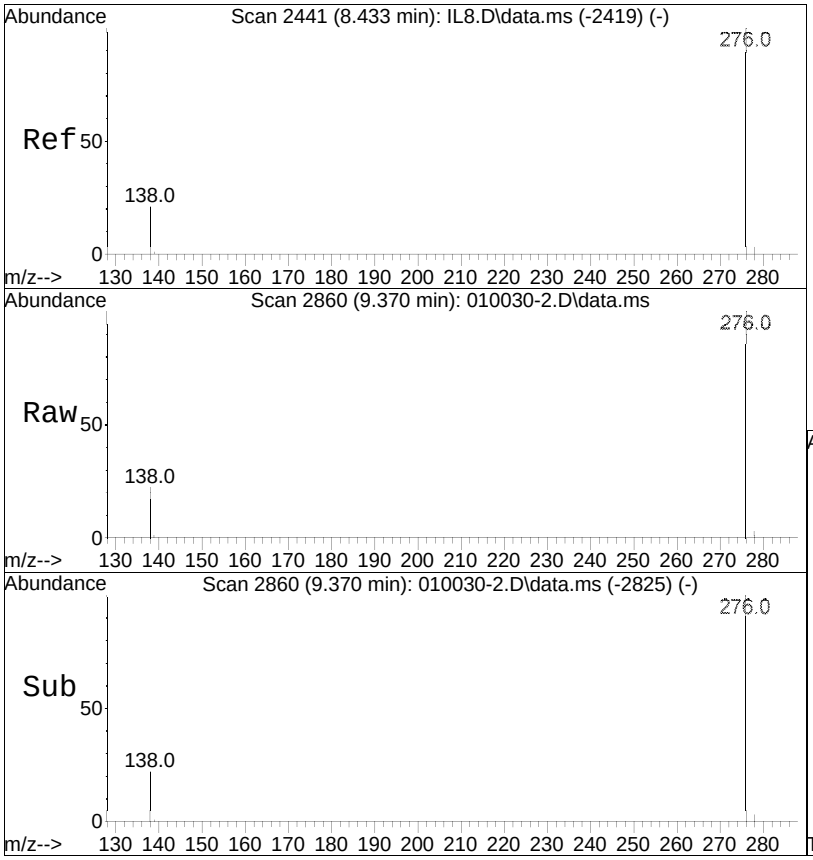


#41
Dibenzo[a,h]anthracene
Concen: 2512.63 ng/ml M6
RT: 9.045 min Scan# 2739
Delta R.T. 0.010 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:278 Resp: 269892

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.6

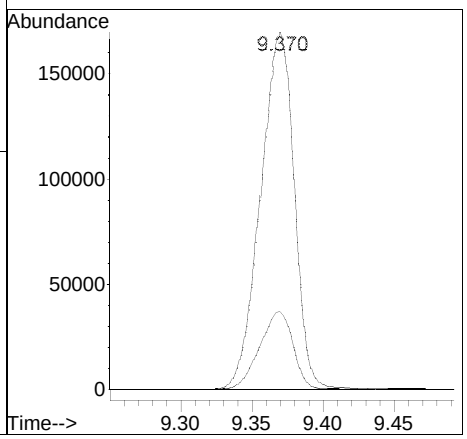




#42
Benzo[g,h,i]perylene
Concen: 2491.08 ng/ml
RT: 9.370 min Scan# 2860
Delta R.T. 0.015 min
Lab File: 010030-2.D
Acq: 19 Dec 2024 07:52 am

Tgt Ion:276 Resp: 276629

Ion	Ratio	Lower	Upper
276	100		
138	21.9	16.6	25.0

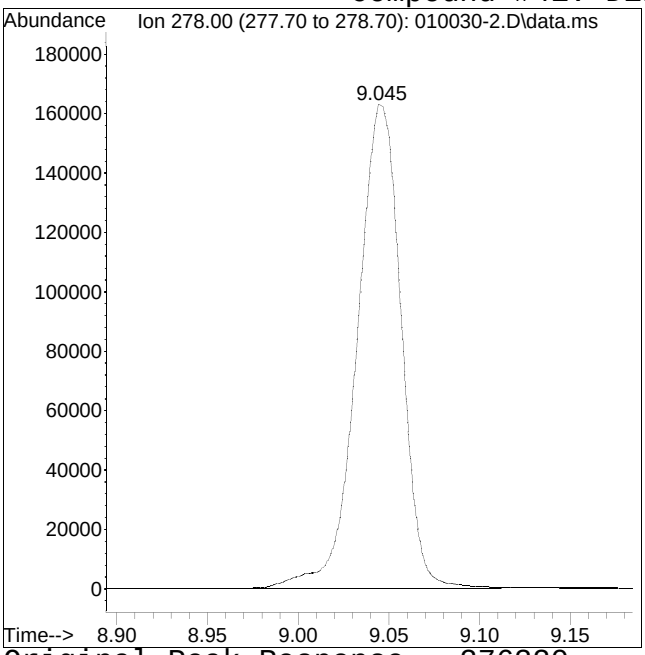


Manual Integration Report

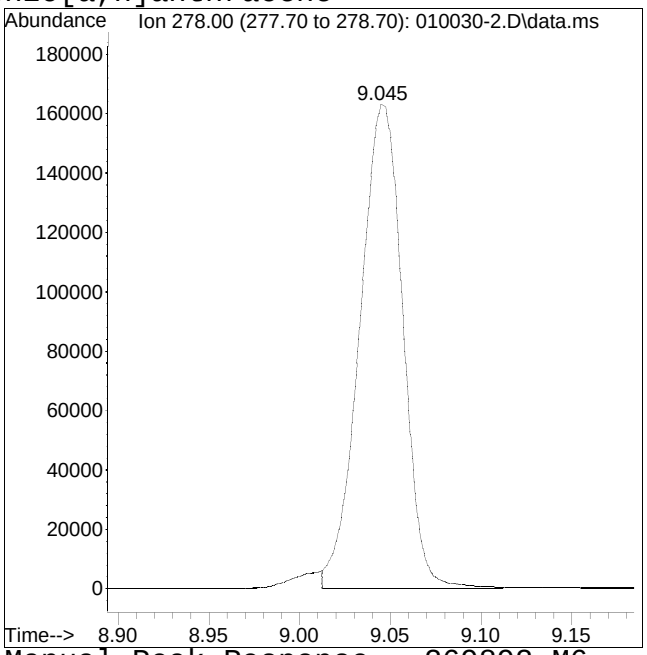
Data Path : I:\8270SIM\sv120\241219RVTQ
Data File : 010030-2.D
Date Inj'd : 12/19/2024 7:52 am
Sample : WG2010030-2,32,,RV,kmh

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 12/19/2024 8:05 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 276320



Manual Peak Response = 269892 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010959-2.D
Acq On : 19 Dec 2024 11:23 am
Operator : SV120:rp
Sample : WG2011034-2,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 16:30:42 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.321	152	133879	4000.000	ng/ml	0.00
Standard Area 1 = 183438			Recovery	= 72.98%		
8) Naphthalene-d8	2.981	136	542668	4000.000	ng/ml	# 0.00
Standard Area 1 = 731006			Recovery	= 74.24%		
17) Acenaphthene-d10	3.960	164	292986	4000.000	ng/ml	0.00
Standard Area 1 = 431670			Recovery	= 67.87%		
22) Phenanthrene-d10	4.804	188	559306	4000.000	ng/ml	0.00
Standard Area 1 = 877889			Recovery	= 63.71%		
31) Chrysene-d12	6.384	240	498421	4000.000	ng/ml	-0.03
Standard Area 1 = 872898			Recovery	= 57.10%		
36) Perylene-d12	7.673	264	499756	4000.000	ng/ml	-0.04
Standard Area 1 = 860499			Recovery	= 58.08%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.747	112	53936	1368.692	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 68.43%		
3) Phenol-d6	2.132	99	54391	1123.304	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 56.17%		
7) Nitrobenzene-d5	2.597	82	37270	871.893	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 87.19%		
13) 2-Fluorobiphenyl	3.575	172	89491	818.182	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 81.82%		
21) 2,4,6-Tribromophenol	4.408	330	25293	2168.610	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 108.43%		
30) 4-Terphenyl-d14	5.723	244	104859	1031.060	ng/ml	-0.02
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 51.55%		
Target Compounds						Qvalue
6) Hexachloroethane	2.577	117	19627	1119.817	ng/ml	100
9) Naphthalene	2.992	128	208788	1539.105	ng/ml	99
10) Hexachlorobutadiene	3.062	225	27724	1078.575	ng/ml	100
11) 2-Methylnaphthalene	3.370	142	140495	1491.783	ng/ml	100
14) 2-Chloronaphthalene	3.642	162	143326	1533.051	ng/ml	92
16) Acenaphthylene	3.876	152	237313	1760.578	ng/ml	100
18) Acenaphthene	3.976	153	159910	1808.203	ng/ml	91
20) Fluorene	4.270	166	194119	2028.590	ng/ml	99
24) Hexachlorobenzene	4.587	284	63534	2150.516	ng/ml	100
25) Pentachlorophenol	4.698	266	42035	2441.336	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010959-2.D
Acq On : 19 Dec 2024 11:23 am
Operator : SV120:rp
Sample : WG2011034-2,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 16:30:42 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.818	178	304285	2282.977	ng/ml	100
27) Anthracene	4.845	178	309564	2244.868	ng/ml	100
28) Fluoranthene	5.501	202	364250	2372.754	ng/ml	99
29) Pyrene	5.633	202	380010	2400.608	ng/ml	100
32) Benzo[a]anthracene	6.377	228	354539	2328.507	ng/ml	98
34) Chrysene	6.402	228	333058	2524.109	ng/ml	100
37) Benzo[b]fluoranthene	7.270	252	355407	2343.722	ng/ml	100
38) Benzo[k]fluoranthene	7.298	252	321926	2361.486	ng/ml	100
39) Benzo[a]pyrene	7.603	252	298070	2399.771	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.965	276	314713	2477.920	ng/ml	98
41) Dibenzo[a,h]anthracene	9.003	278	282352M6	2366.424	ng/ml	
42) Benzo[g,h,i]perylene	9.328	276	286748	2324.629	ng/ml	97

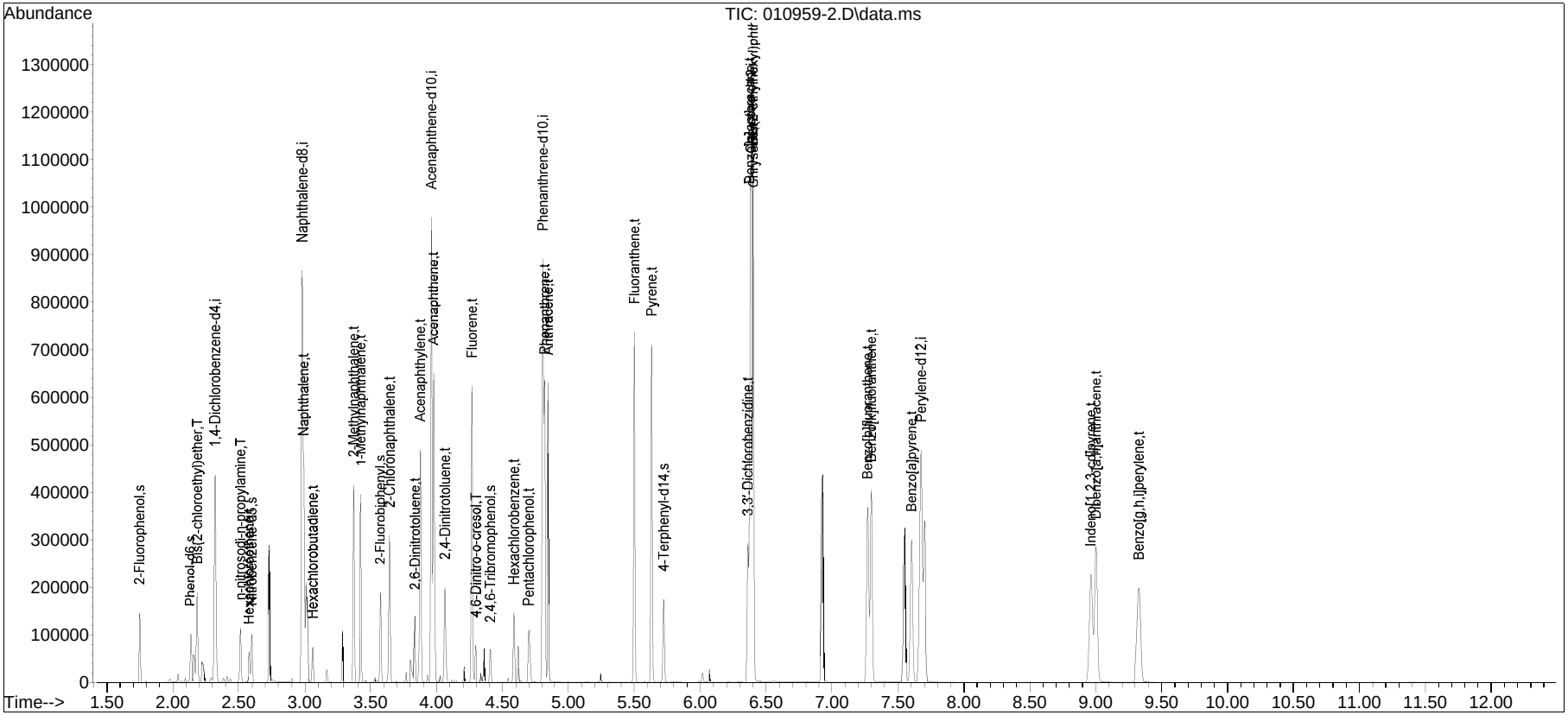
(#) = qualifier out of range (m) = manual integration (+) = signals summed

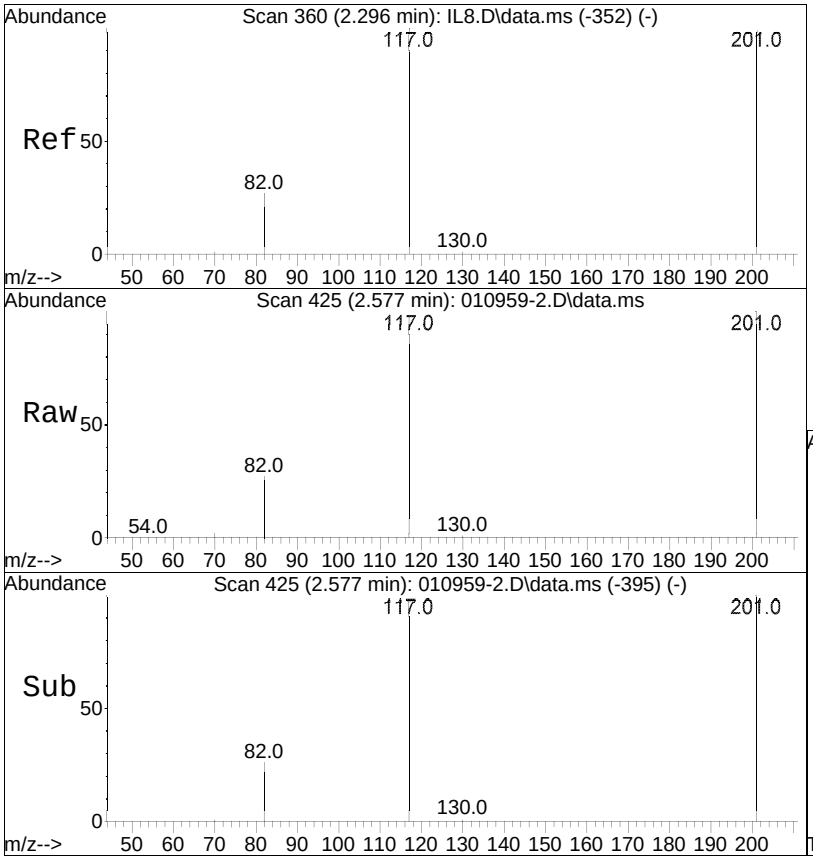
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010959-2.D
Acq On : 19 Dec 2024 11:23 am
Operator : SV120:rp
Sample : WG2011034-2,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 16:30:42 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1219.D•

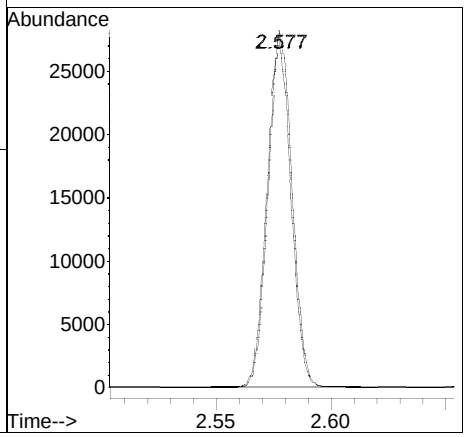


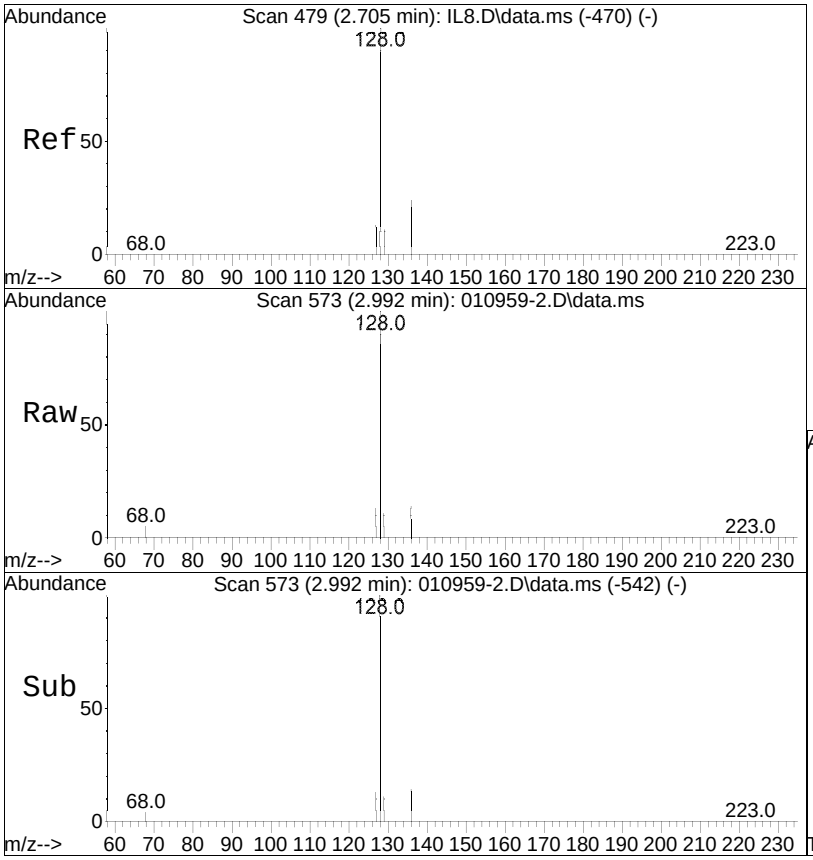


#6
Hexachloroethane
Concen: 1119.82 ng/ml
RT: 2.577 min Scan# 425
Delta R.T. 0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:117 Resp: 19627

Ion	Ratio	Lower	Upper
117	100		
201	102.2	82.0	123.0

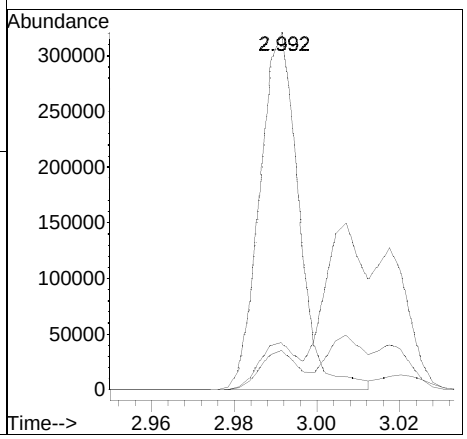


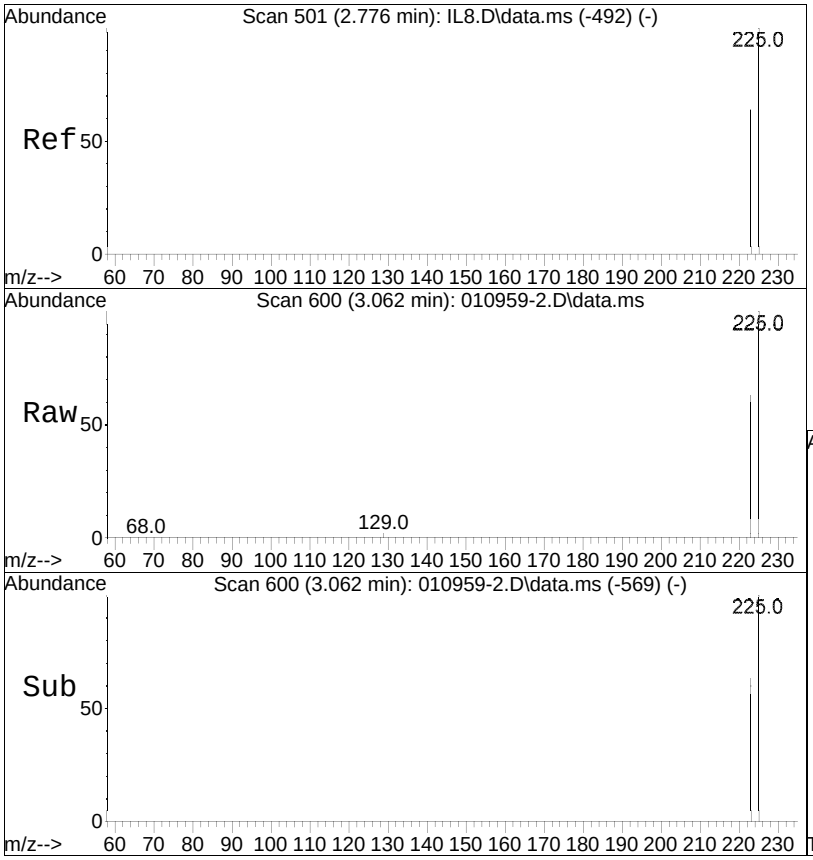


#9
Naphthalene
Concen: 1539.10 ng/ml
RT: 2.992 min Scan# 573
Delta R.T. 0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:128 Resp: 208788

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.5	10.7	16.1

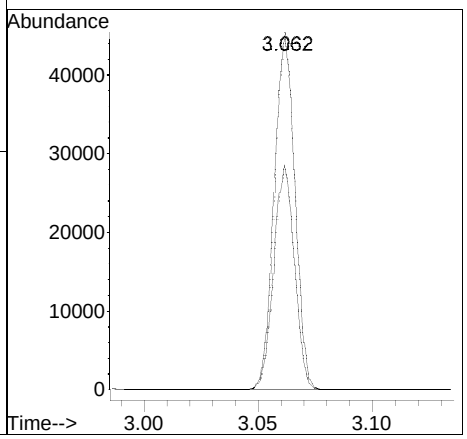


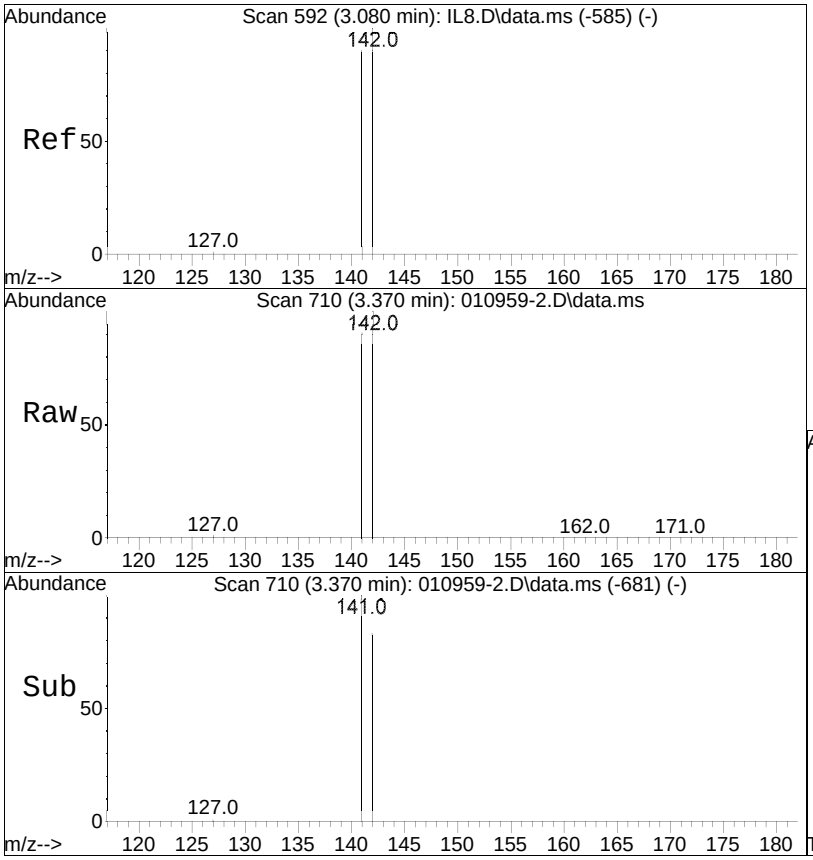


#10
Hexachlorobutadiene
Concen: 1078.58 ng/ml
RT: 3.062 min Scan# 600
Delta R.T. 0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:225 Resp: 27724

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7

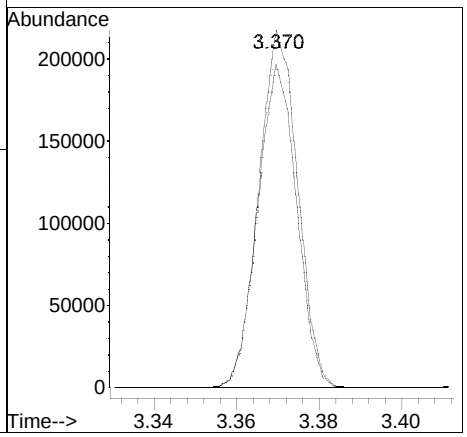


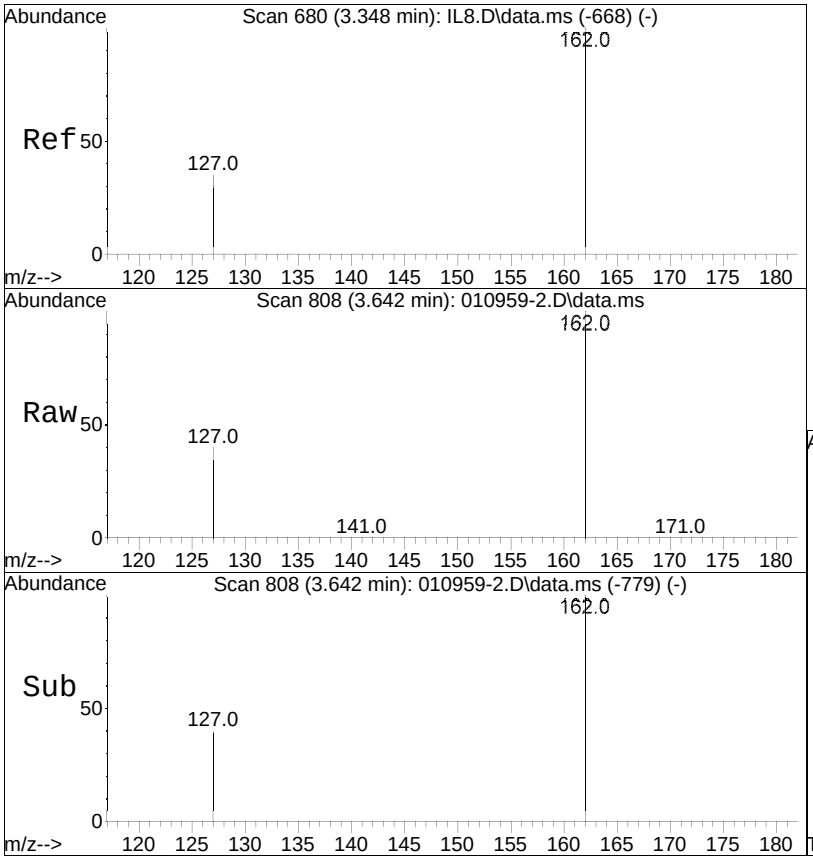


#11
2-Methylnaphthalene
Concen: 1491.78 ng/ml
RT: 3.370 min Scan# 710
Delta R.T. -0.001 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:142 Resp: 140495

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2

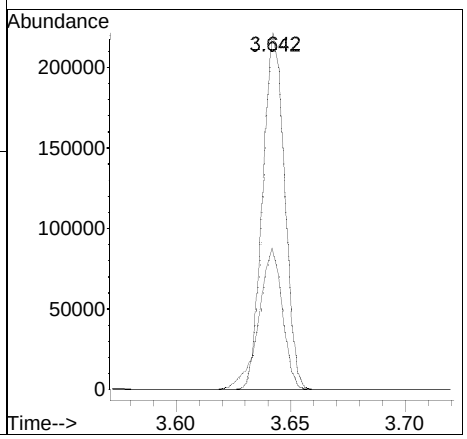


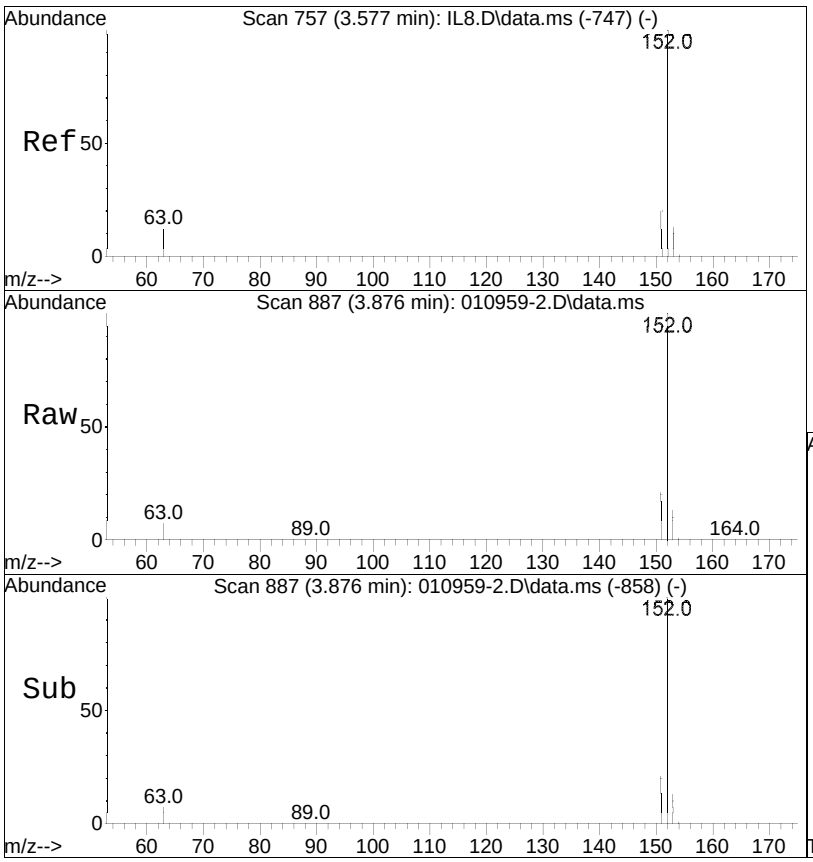


#14
2-Chloronaphthalene
Concen: 1533.05 ng/ml
RT: 3.642 min Scan# 808
Delta R.T. -0.001 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:162 Resp: 143326

Ion	Ratio	Lower	Upper
162	100		
127	43.4	31.0	46.4

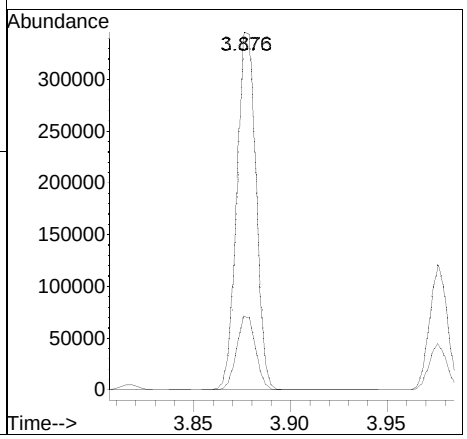


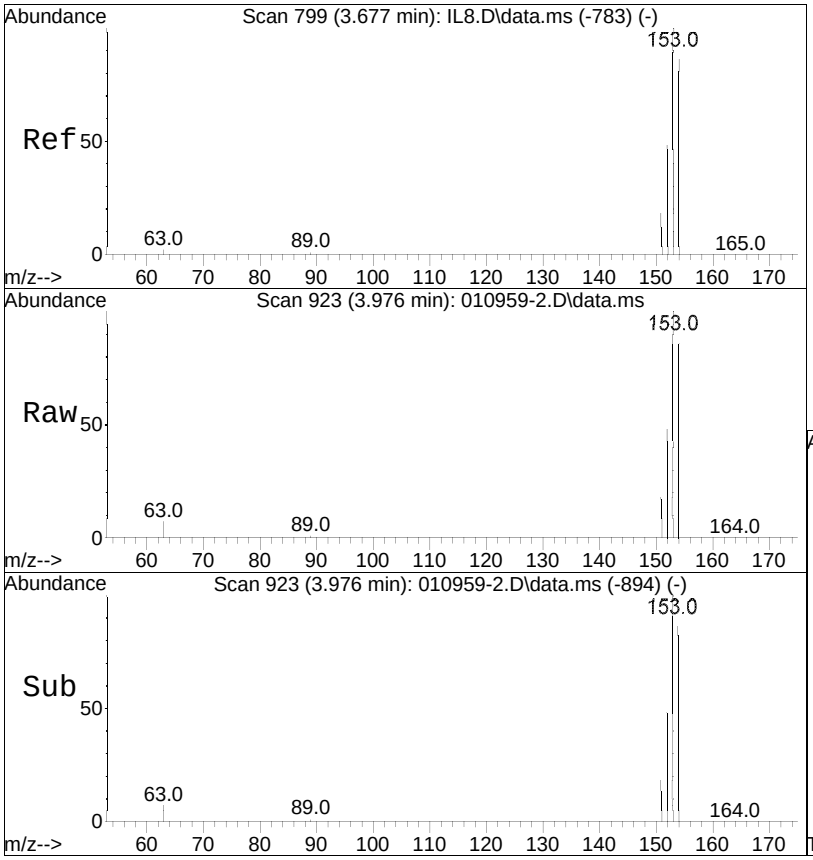


#16
Acenaphthylene
Concen: 1760.58 ng/ml
RT: 3.876 min Scan# 887
Delta R.T. -0.001 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:152 Resp: 237313

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

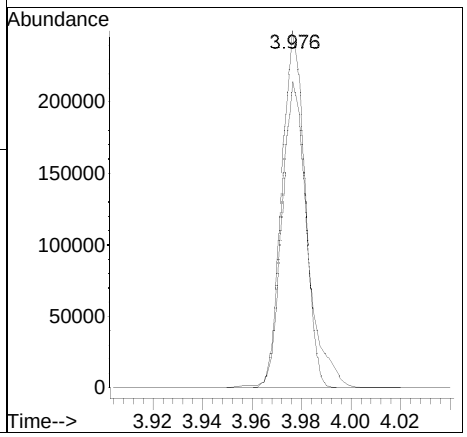


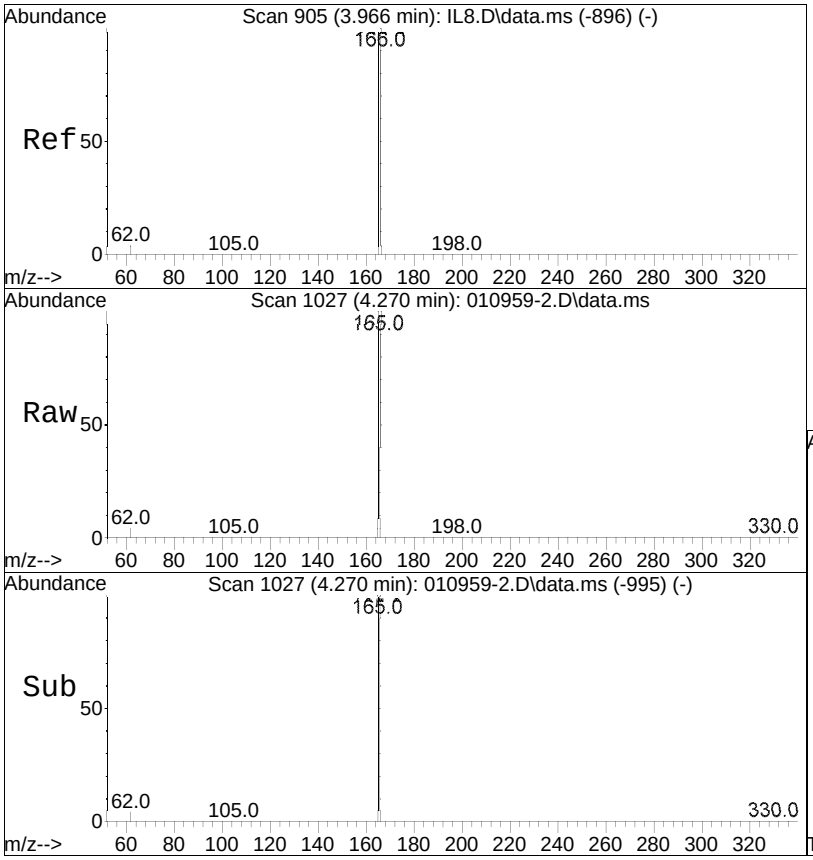


#18
Acenaphthene
Concen: 1808.20 ng/ml
RT: 3.976 min Scan# 923
Delta R.T. -0.001 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:153 Resp: 159910

Ion	Ratio	Lower	Upper
153	100		
154	95.6	69.8	104.6

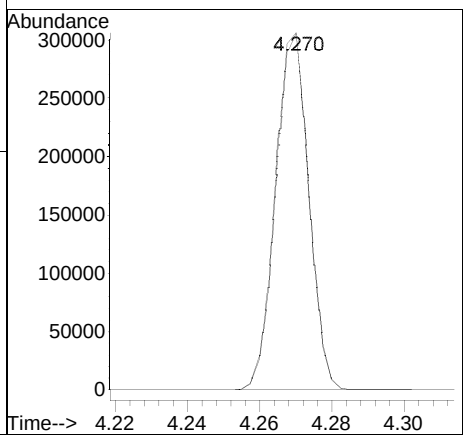


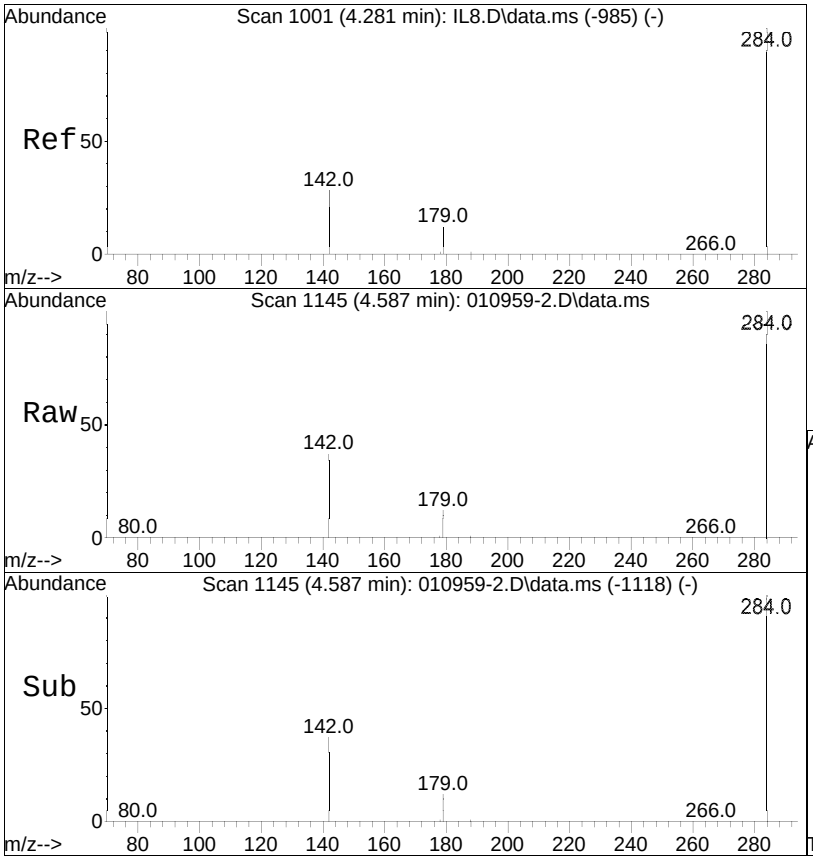


#20
Fluorene
Concen: 2028.59 ng/ml
RT: 4.270 min Scan# 1027
Delta R.T. -0.000 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:166 Resp: 194119

Ion	Ratio	Lower	Upper
166	100		
165	101.2	80.1	120.1

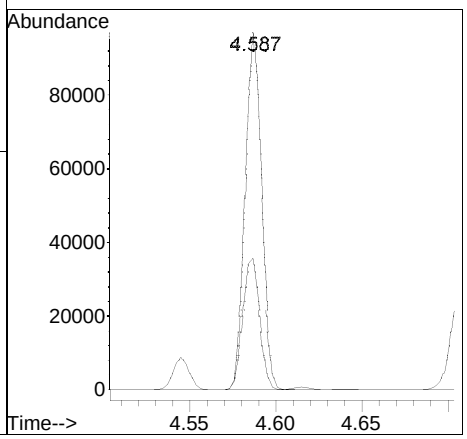


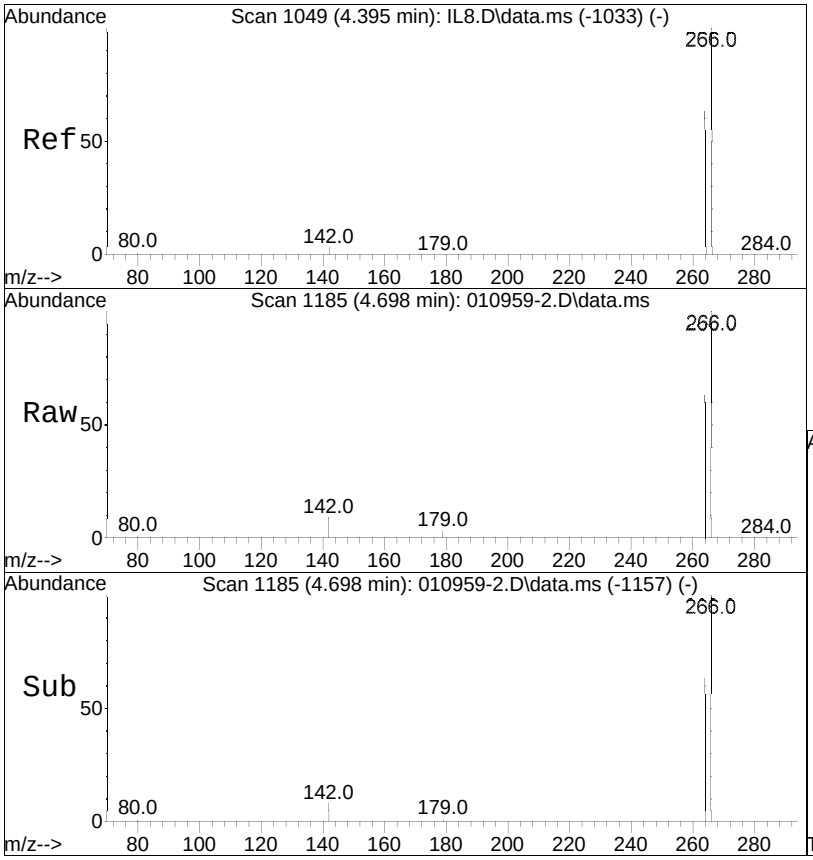


#24
Hexachlorobenzene
Concen: 2150.52 ng/ml
RT: 4.587 min Scan# 1145
Delta R.T. -0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:284 Resp: 63534

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.2	45.2

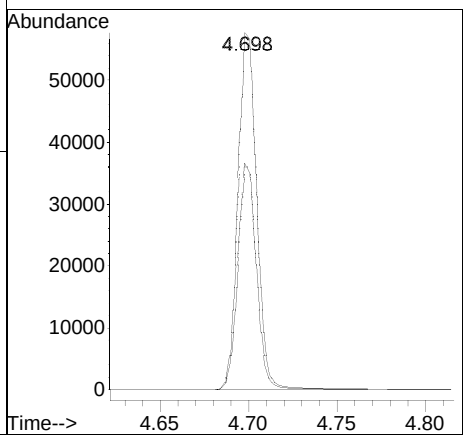


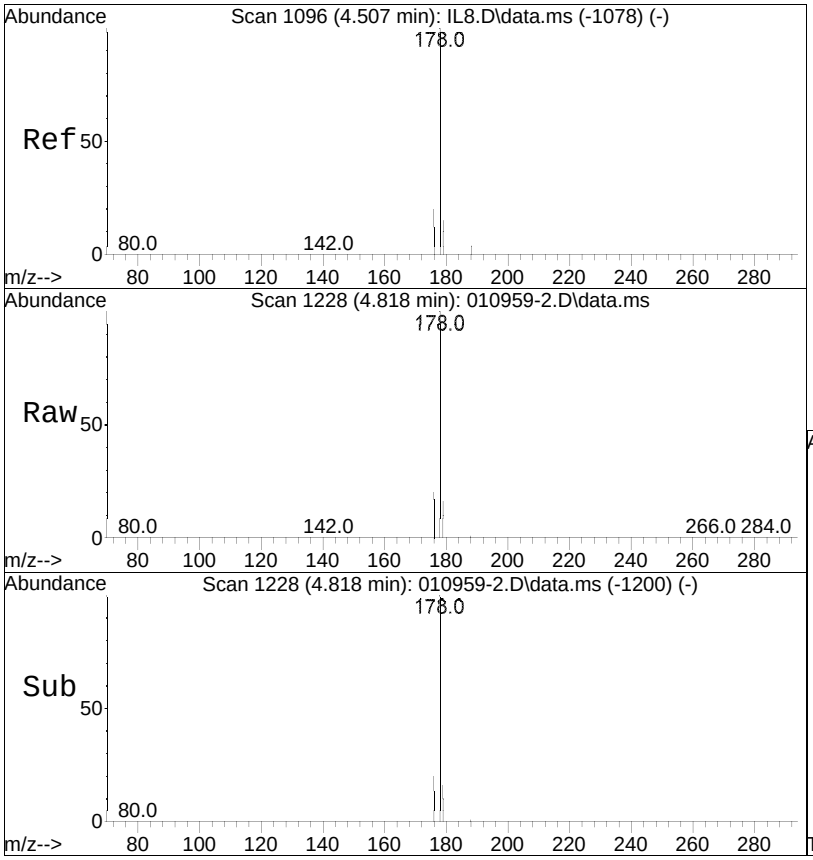


#25
Pentachlorophenol
Concen: 2441.34 ng/ml
RT: 4.698 min Scan# 1185
Delta R.T. -0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:266 Resp: 42035

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.3	75.5

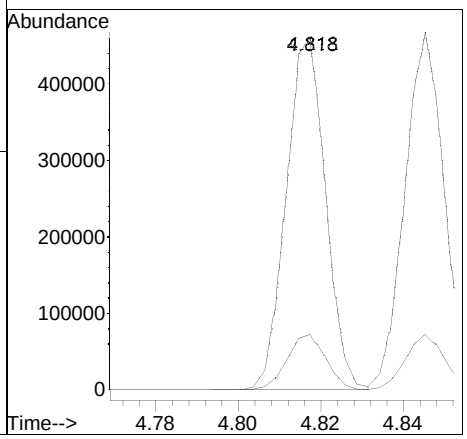


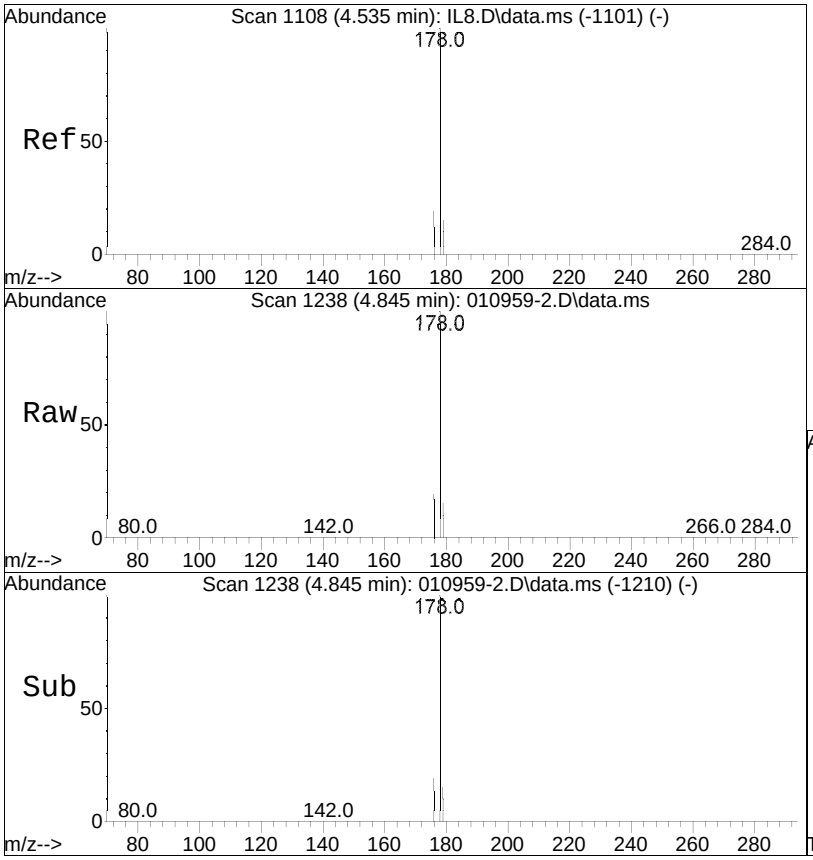


#26
Phenanthrene
Concen: 2282.98 ng/ml
RT: 4.818 min Scan# 1228
Delta R.T. -0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:178 Resp: 304285

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

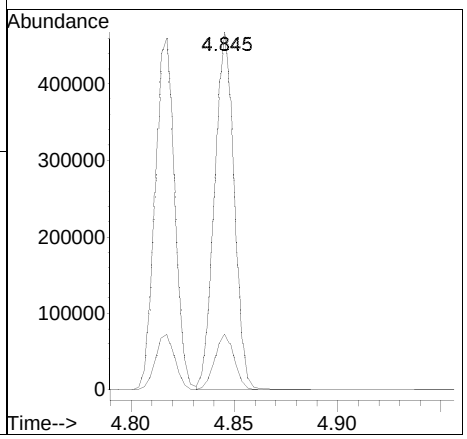


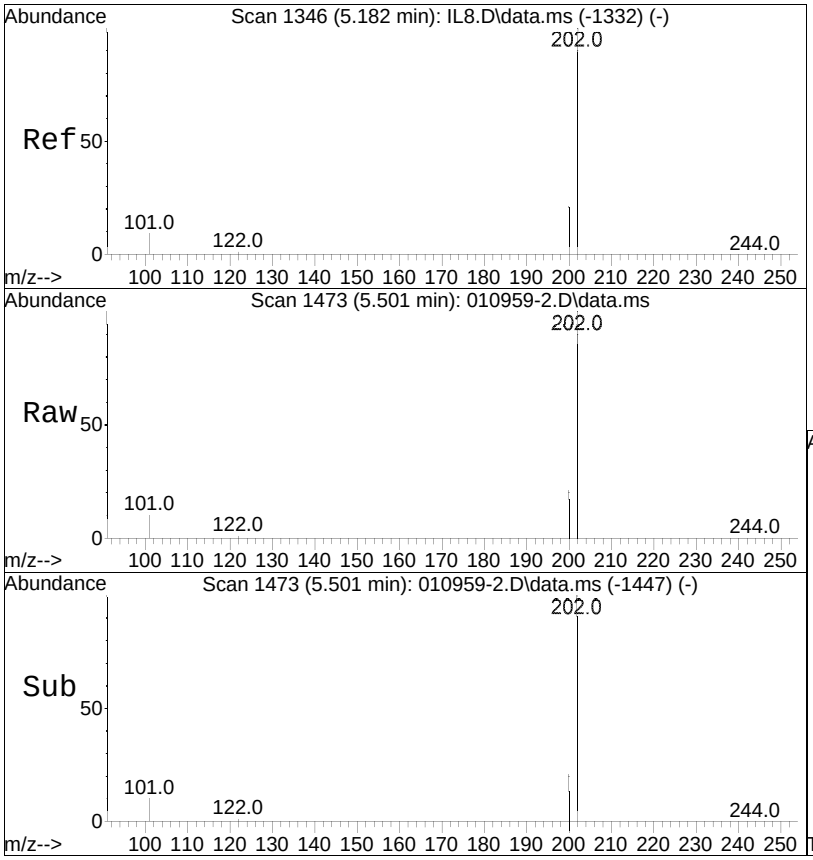


#27
Anthracene
Concen: 2244.87 ng/ml
RT: 4.845 min Scan# 1238
Delta R.T. -0.002 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:178 Resp: 309564

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

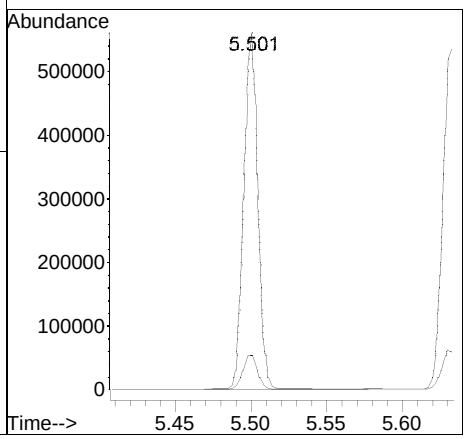


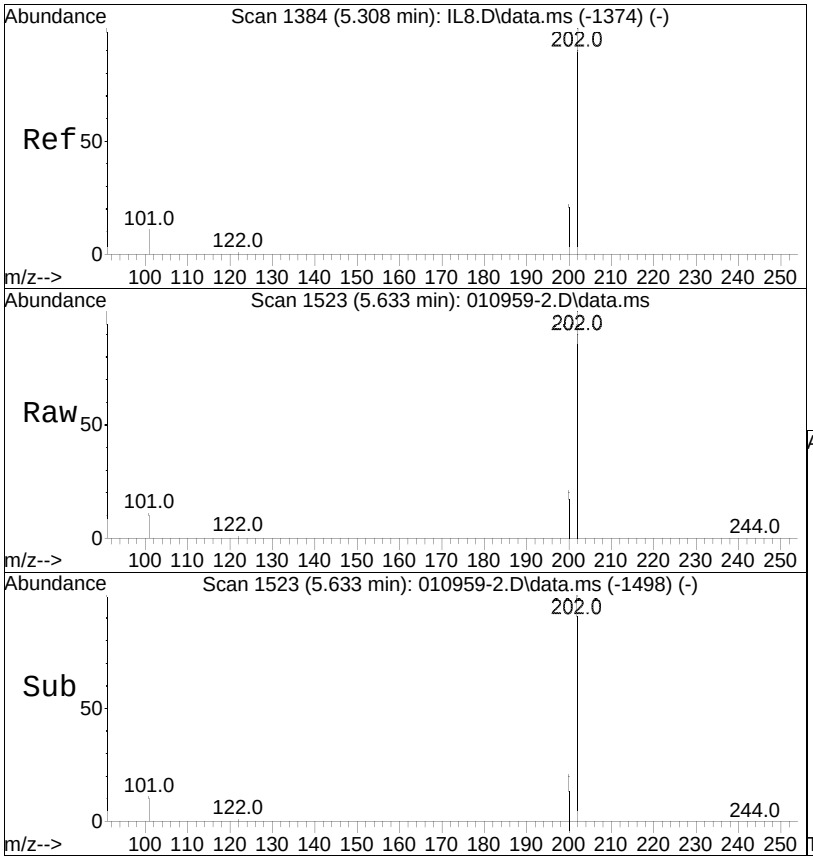


#28
Fluoranthene
Concen: 2372.75 ng/ml
RT: 5.501 min Scan# 1473
Delta R.T. -0.010 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:202 Resp: 364250

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.8	11.6

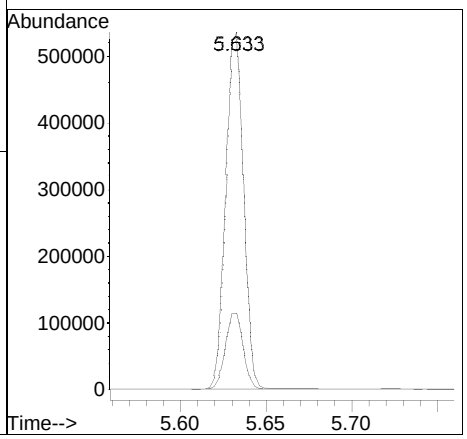


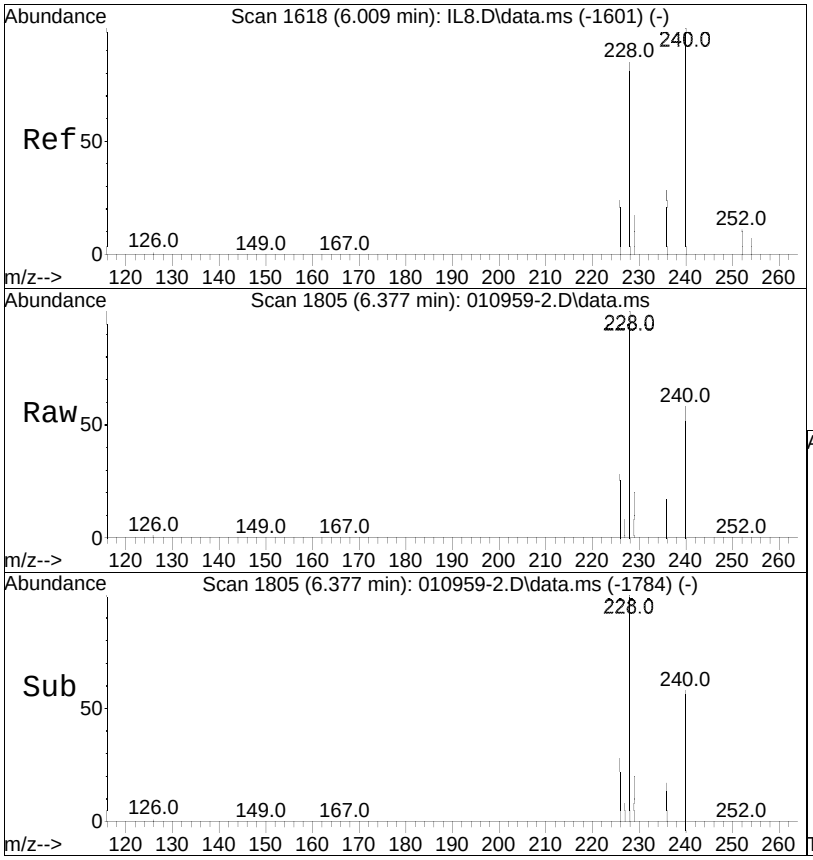


#29
Pyrene
Concen: 2400.61 ng/ml
RT: 5.633 min Scan# 1523
Delta R.T. -0.013 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:202 Resp: 380010

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3

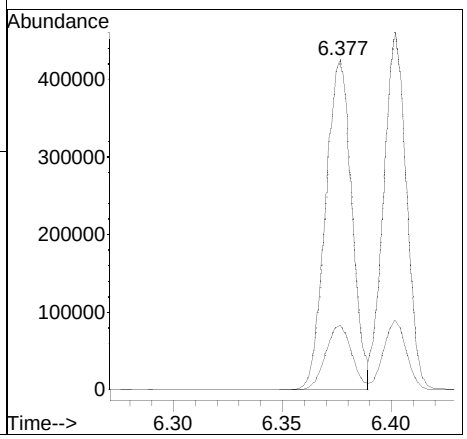


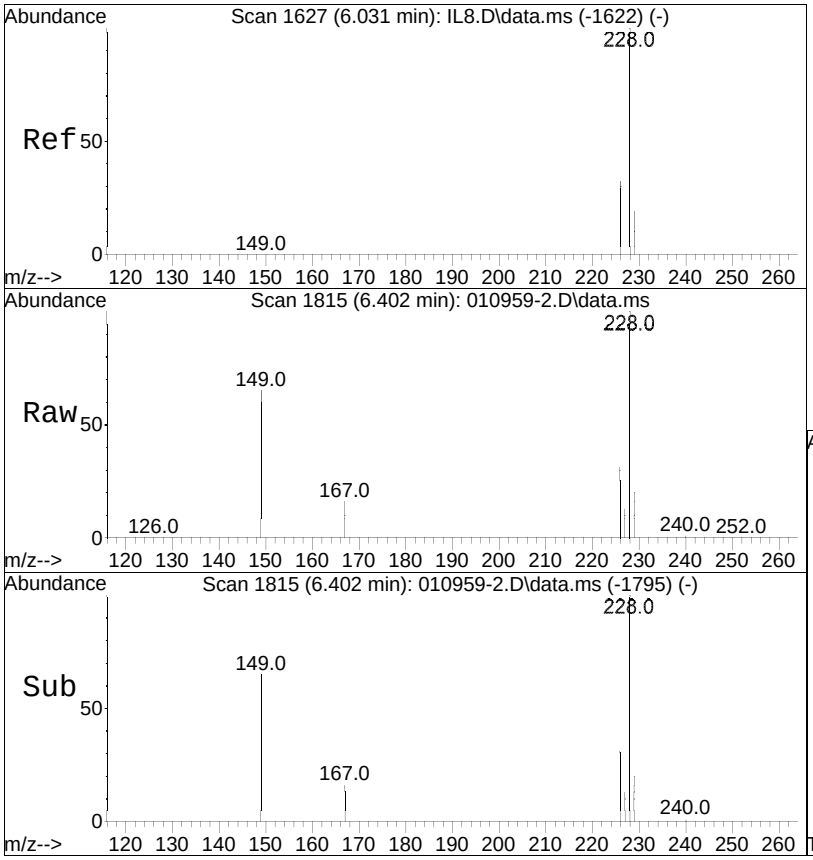


#32
Benzo[a]anthracene
Concen: 2328.51 ng/ml
RT: 6.377 min Scan# 1805
Delta R.T. -0.029 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:228 Resp: 354539

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

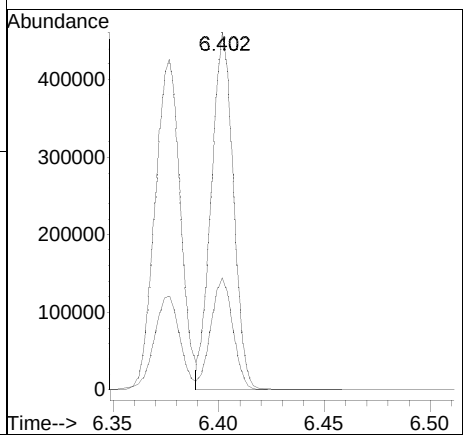


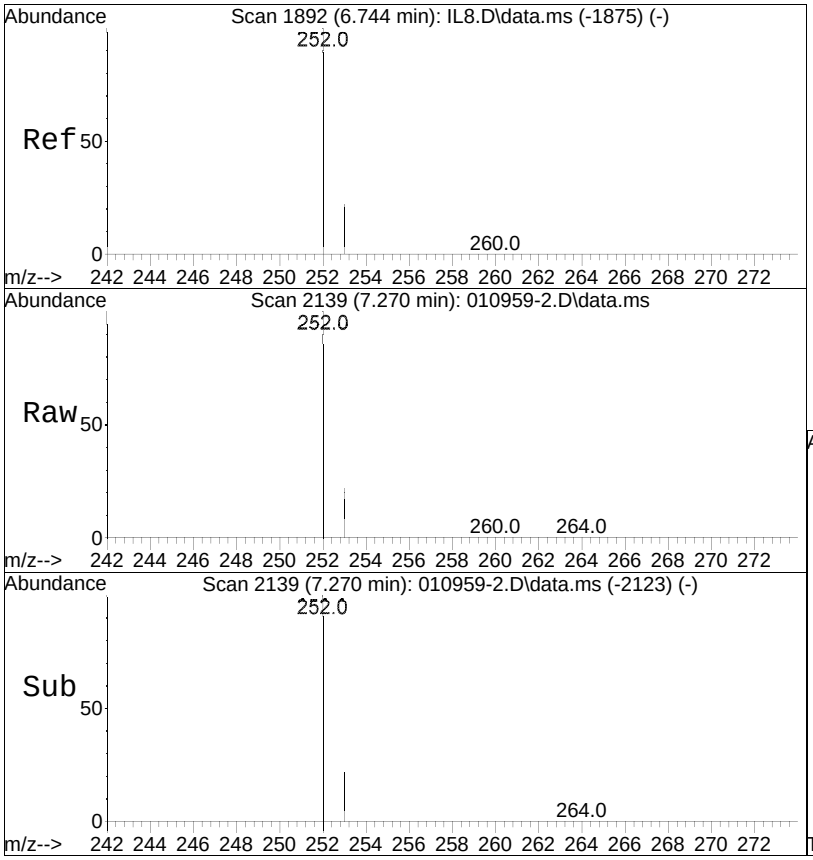


#34
Chrysene
Concen: 2524.11 ng/ml
RT: 6.402 min Scan# 1815
Delta R.T. -0.031 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:228 Resp: 333058

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3

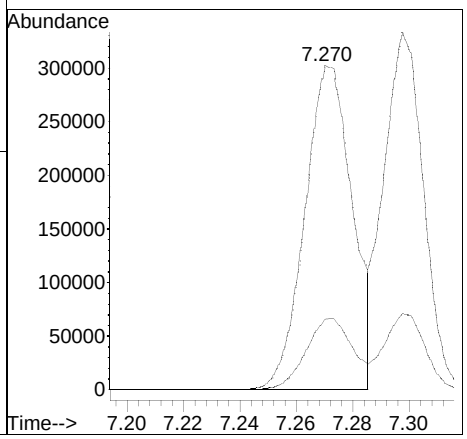


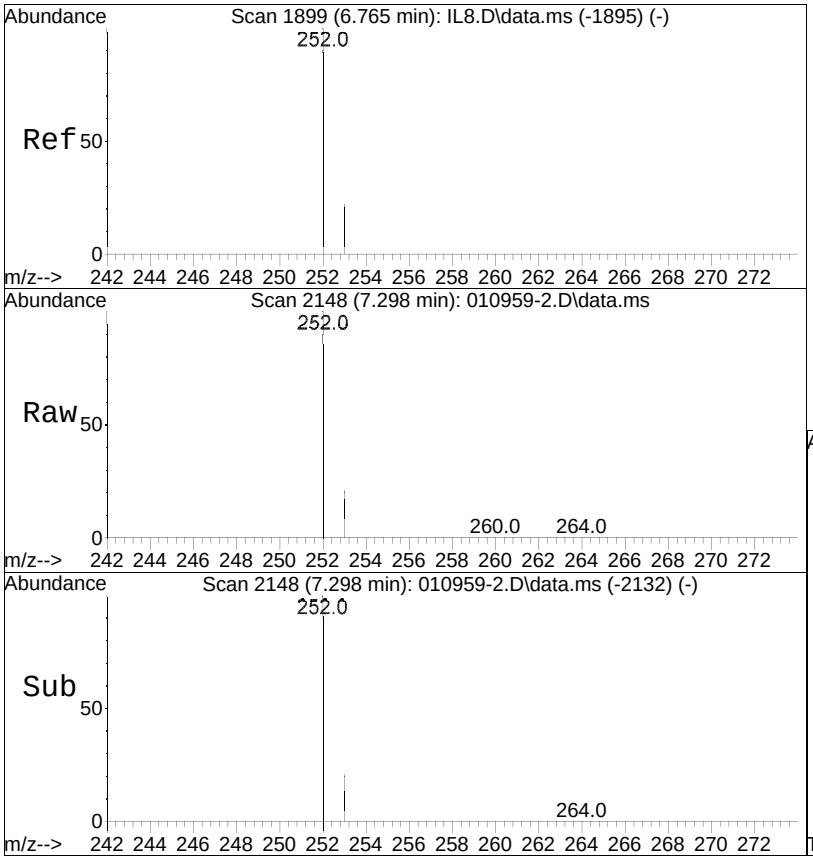


#37
Benzo[b]fluoranthene
Concen: 2343.72 ng/ml
RT: 7.270 min Scan# 2139
Delta R.T. -0.032 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:252 Resp: 355407

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

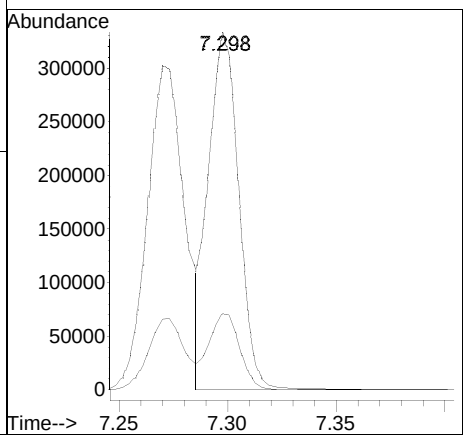


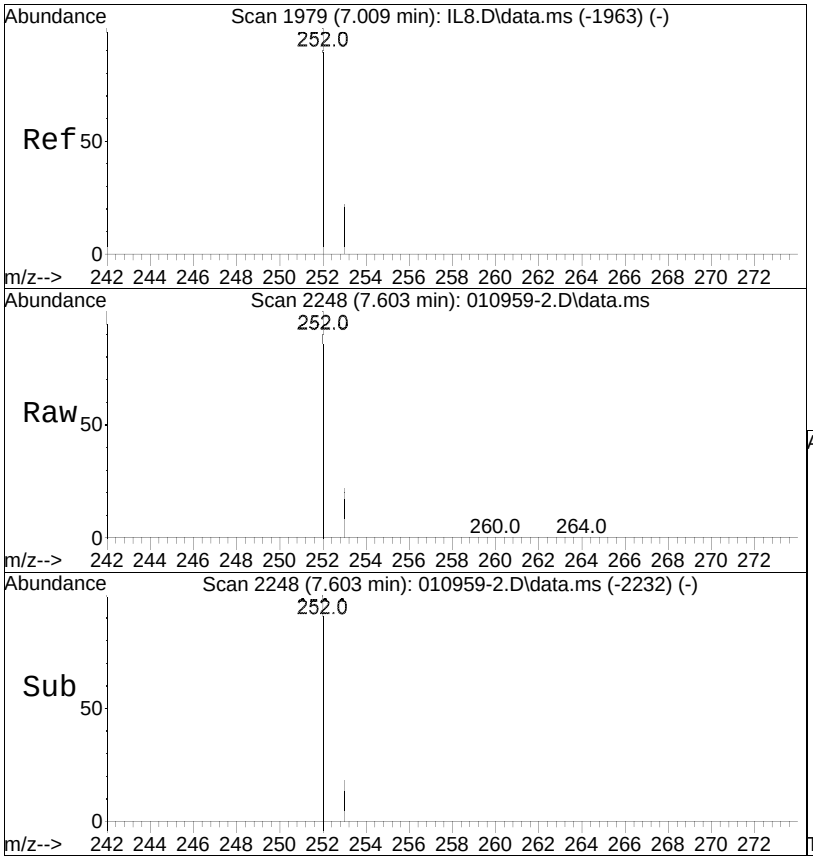


#38
Benzo[k]fluoranthene
Concen: 2361.49 ng/ml
RT: 7.298 min Scan# 2148
Delta R.T. -0.032 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:252 Resp: 321926

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

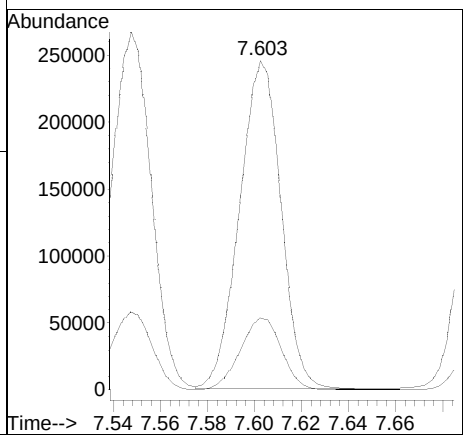


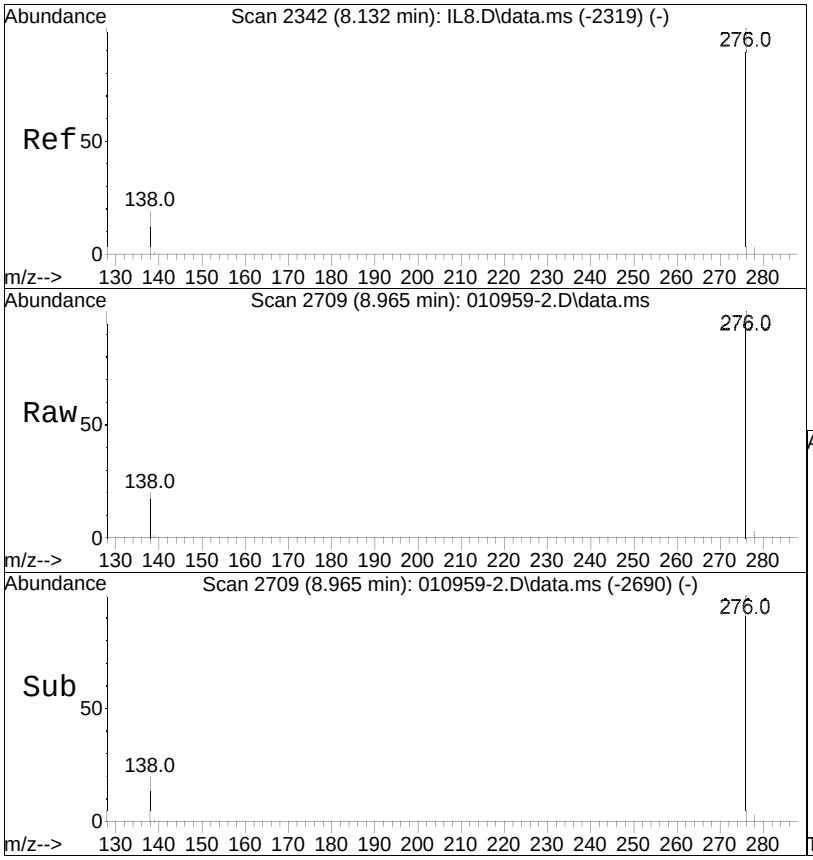


#39
Benzo[a]pyrene
Concen: 2399.77 ng/ml
RT: 7.603 min Scan# 2248
Delta R.T. -0.032 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:252 Resp: 298070

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

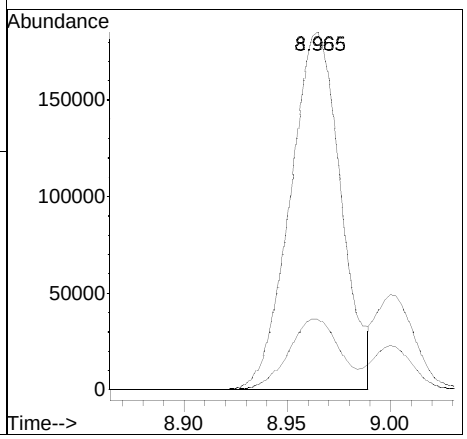


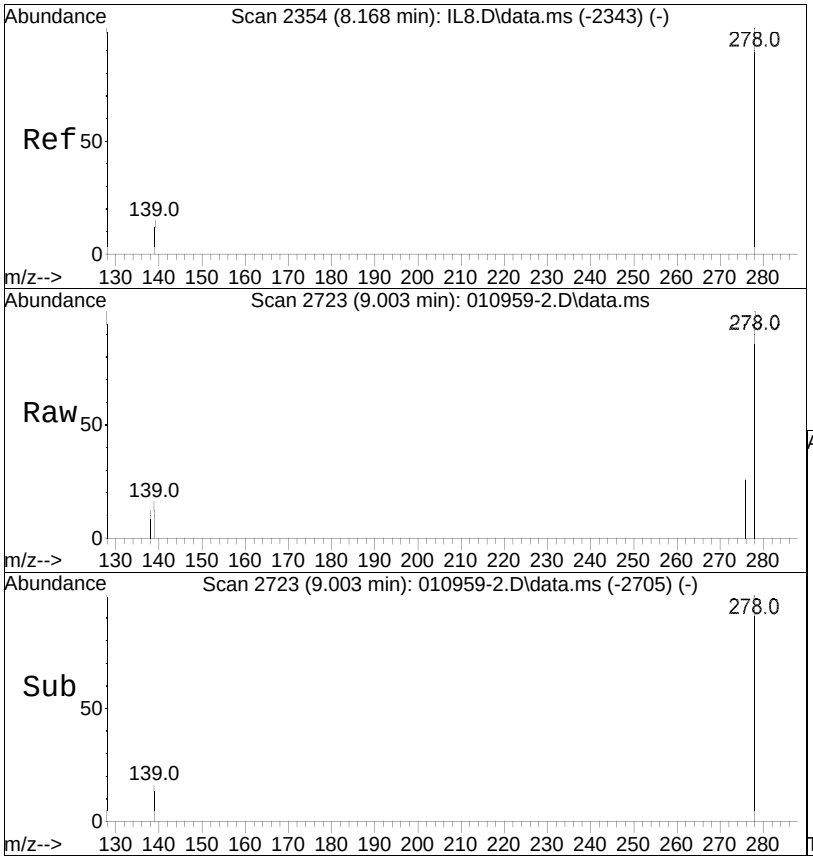


#40
Indeno[1,2,3-cd]pyrene
Concen: 2477.92 ng/ml
RT: 8.965 min Scan# 2709
Delta R.T. -0.029 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:276 Resp: 314713

Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.4	23.0

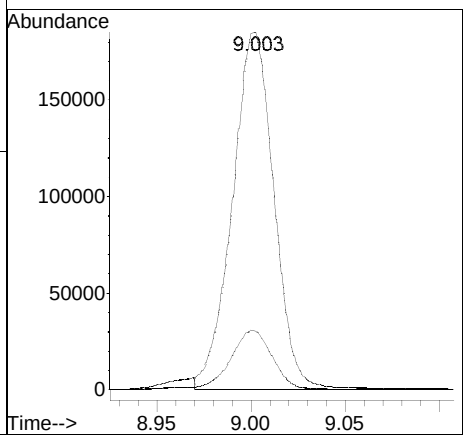


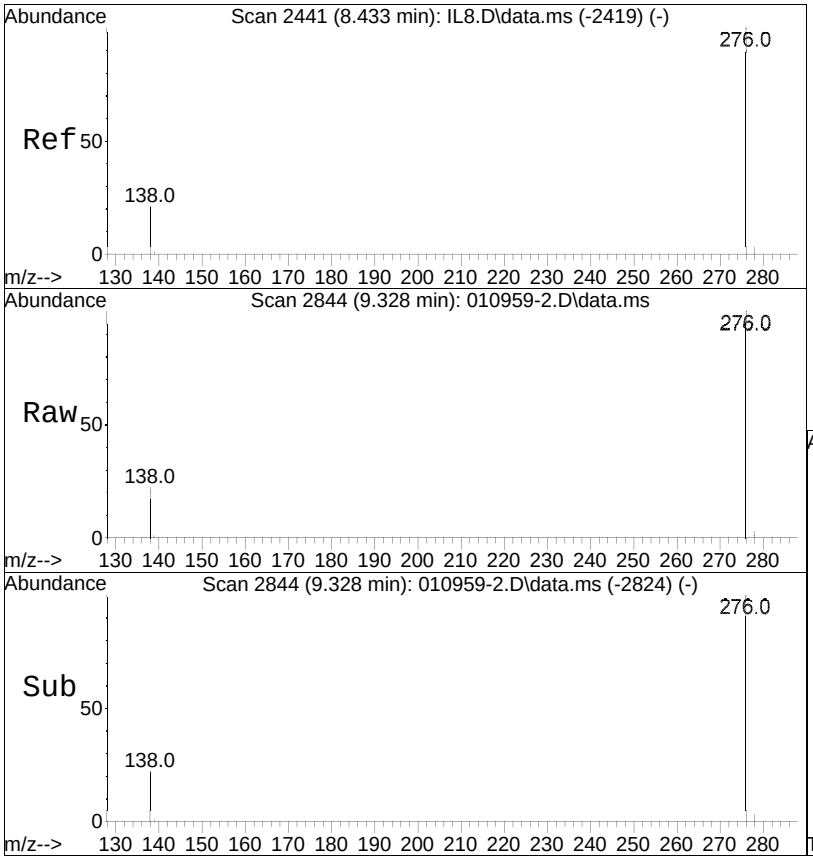


#41
Dibenzo[a,h]anthracene
Concen: 2366.42 ng/ml M6
RT: 9.003 min Scan# 2723
Delta R.T. -0.032 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:278 Resp: 282352

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.0	19.6

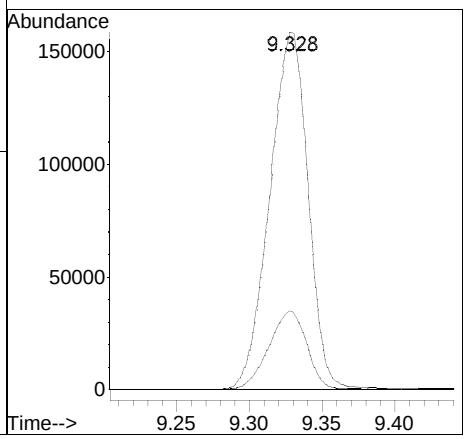




#42
Benzo[g,h,i]perylene
Concen: 2324.63 ng/ml
RT: 9.328 min Scan# 2844
Delta R.T. -0.027 min
Lab File: 010959-2.D
Acq: 19 Dec 2024 11:23 am

Tgt Ion:276 Resp: 286748

Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.6	25.0

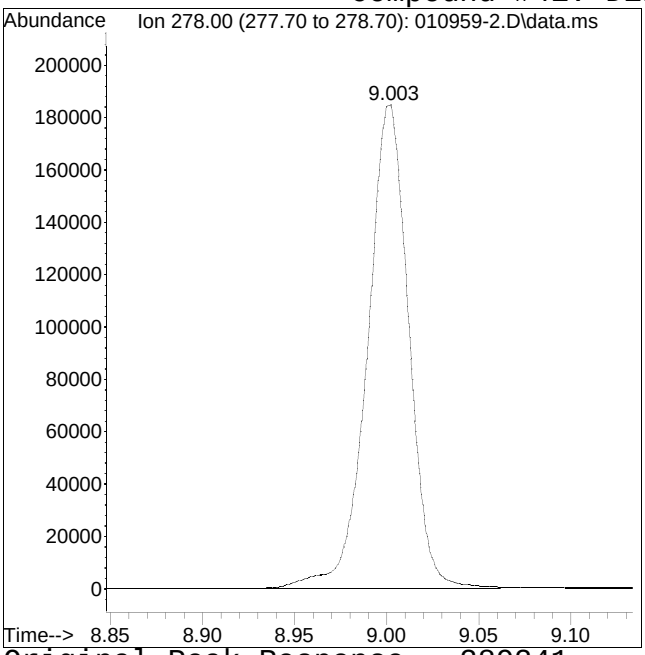


Manual Integration Report

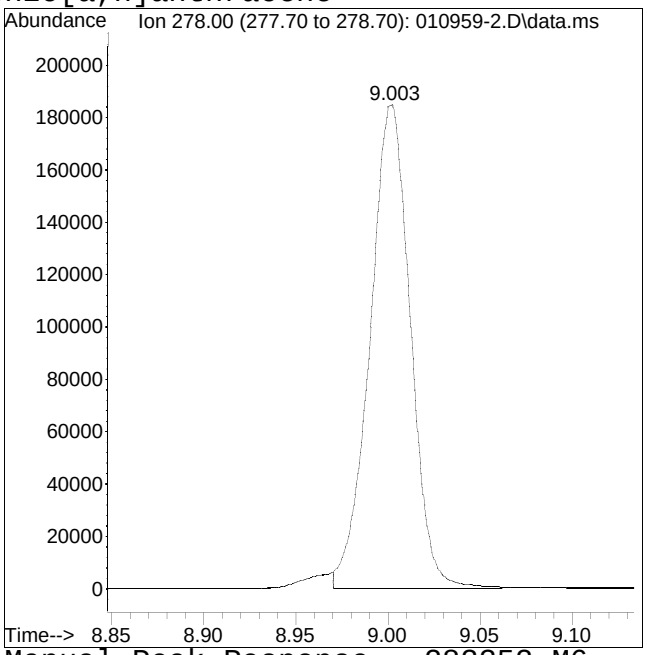
Data Path : I:\8270SIM\sv120\241219RVTQ
Data File : 010959-2.D
Date Inj'd : 12/19/2024 11:23 am
Sample : WG2011034-2,32,,kmh

Method : SIM-RVT_241105_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 12/19/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 289241



Manual Peak Response = 282352 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010030-3.D
Acq On : 19 Dec 2024 08:09 am
Operator : SV120:kmh
Sample : WG2010030-3,32,,RV,kmh
Misc : WG2011166,WG2010030,ical21668
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 10:29:00 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.318	152	128442	4000.000	ng/ml	0.00
Standard Area 1 = 183438			Recovery = 70.02%			
8) Naphthalene-d8	2.979	136	522010	4000.000	ng/ml	# 0.00
Standard Area 1 = 731006			Recovery = 71.41%			
17) Acenaphthene-d10	3.957	164	273620	4000.000	ng/ml	0.00
Standard Area 1 = 431670			Recovery = 63.39%			
22) Phenanthrene-d10	4.803	188	515529	4000.000	ng/ml	0.00
Standard Area 1 = 877889			Recovery = 58.72%			
31) Chrysene-d12	6.401	240	457849	4000.000	ng/ml	-0.01
Standard Area 1 = 872898			Recovery = 52.45%			
36) Perylene-d12	7.690	264	480431	4000.000	ng/ml	-0.02
Standard Area 1 = 860499			Recovery = 55.83%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.744	112	49472	1308.555	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 65.43%			
3) Phenol-d6	2.129	99	43633	939.270	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.96%			
7) Nitrobenzene-d5	2.594	82	37659	918.287	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.83%			
13) 2-Fluorobiphenyl	3.572	172	85342	811.127	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.11%			
21) 2,4,6-Tribromophenol	4.405	330	24862	2282.529	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 114.13%#			
30) 4-Terphenyl-d14	5.733	244	104723	1117.164	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 55.86%			
Target Compounds						Qvalue
6) Hexachloroethane	2.574	117	21389	1272.006	ng/ml	100
9) Naphthalene	2.989	128	209177	1602.994	ng/ml	99
10) Hexachlorobutadiene	3.059	225	29753	1203.319	ng/ml	100
11) 2-Methylnaphthalene	3.367	142	141801	1565.234	ng/ml	99
14) 2-Chloronaphthalene	3.642	162	143195	1592.263	ng/ml	92
16) Acenaphthylene	3.876	152	229198	1767.665	ng/ml	100
18) Acenaphthene	3.976	153	157368	1905.404	ng/ml	92
20) Fluorene	4.267	166	185759	2078.621	ng/ml	99
24) Hexachlorobenzene	4.586	284	58966	2165.382	ng/ml	99
25) Pentachlorophenol	4.700	266	36808	2329.489	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010030-3.D
Acq On : 19 Dec 2024 08:09 am
Operator : SV120:kmh
Sample : WG2010030-3,32,,RV,kmh
Misc : WG2011166,WG2010030,ical21668
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 10:29:00 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.817	178	279919	2278.504	ng/ml	100
27) Anthracene	4.844	178	282499	2222.561	ng/ml	100
28) Fluoranthene	5.505	202	330928	2338.746	ng/ml	99
29) Pyrene	5.638	202	344229	2359.229	ng/ml	100
32) Benzo[a]anthracene	6.393	228	328070	2345.672	ng/ml	98
34) Chrysene	6.418	228	309411	2552.690	ng/ml	100
37) Benzo[b]fluoranthene	7.291	252	347270	2382.179	ng/ml	100
38) Benzo[k]fluoranthene	7.315	252	301514	2300.720	ng/ml	100
39) Benzo[a]pyrene	7.620	252	286958	2403.239	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.978	276	313891	2570.861	ng/ml	99
41) Dibenzo[a,h]anthracene	9.023	278	282091M6	2459.336	ng/ml	
42) Benzo[g,h,i]perylene	9.346	276	286978	2420.075	ng/ml	97

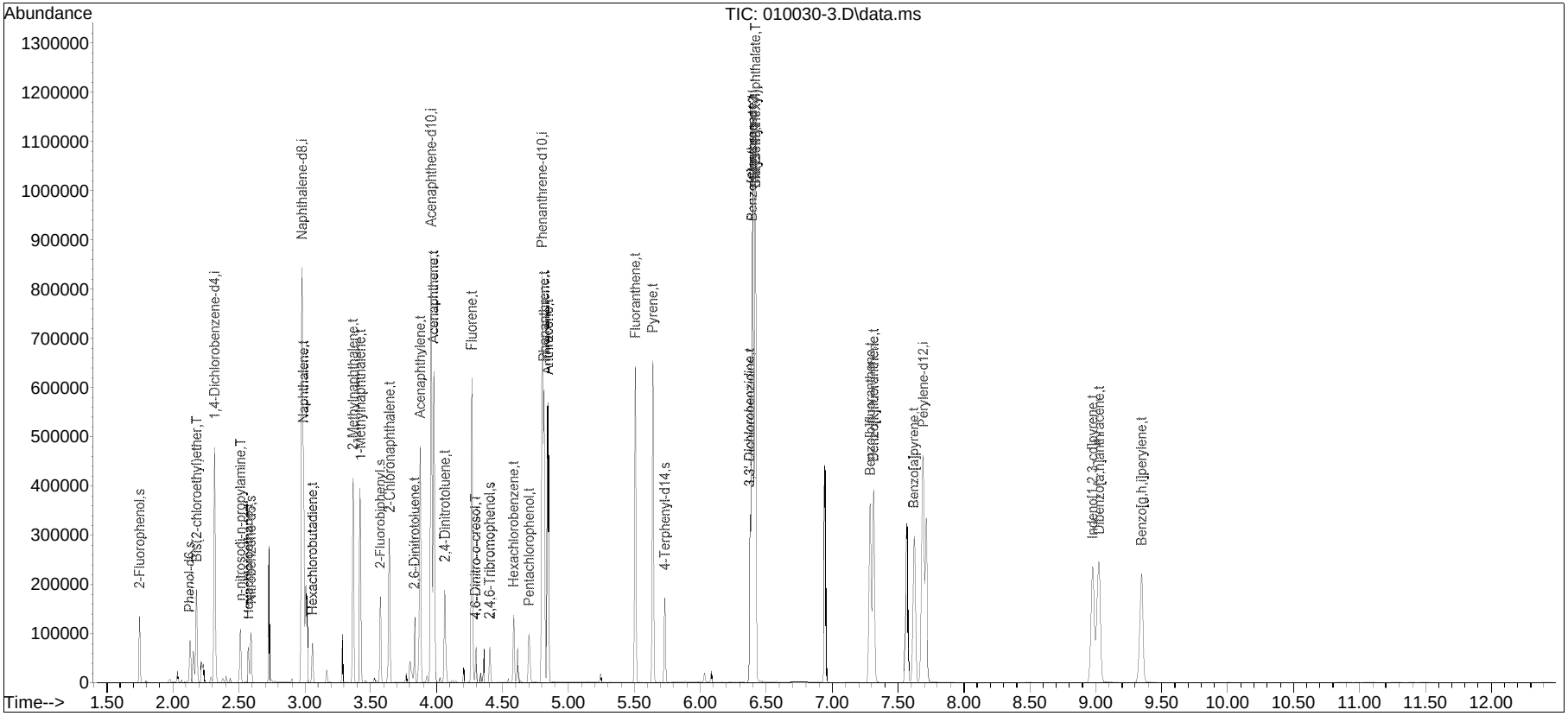
(#) = qualifier out of range (m) = manual integration (+) = signals summed

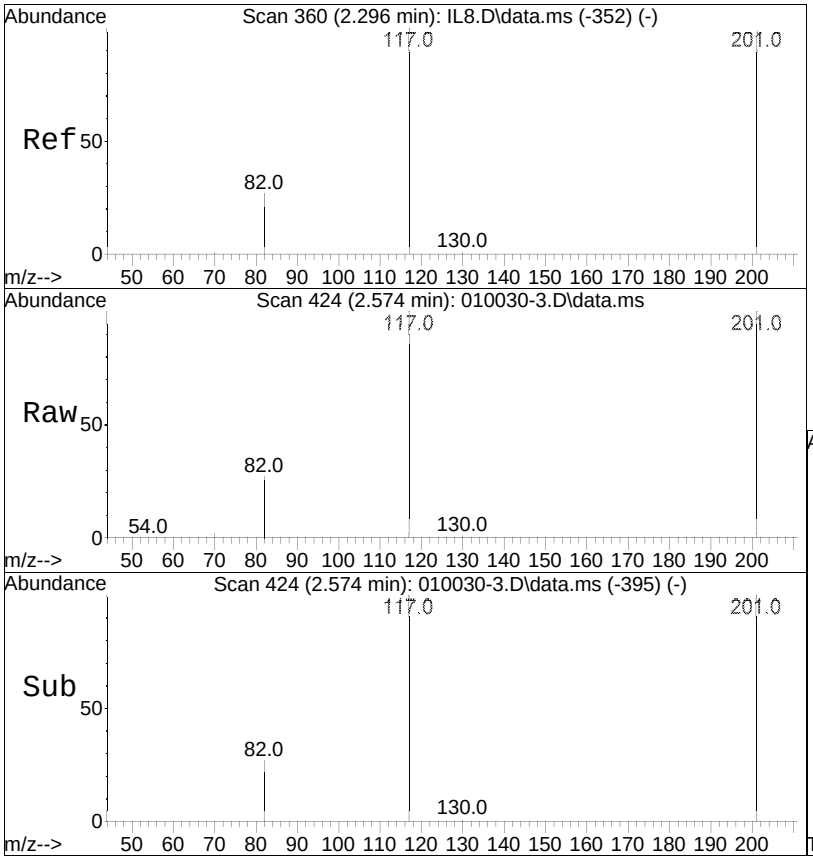
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 010030-3.D
Acq On : 19 Dec 2024 08:09 am
Operator : SV120:kmh
Sample : WG2010030-3,32,,RV,kmh
Misc : WG2011166,WG2010030,ical21668
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 10:29:00 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1219.D•

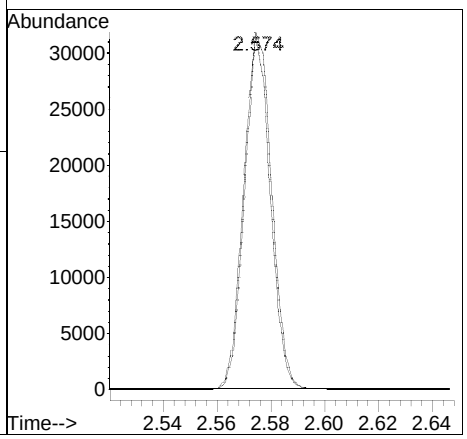


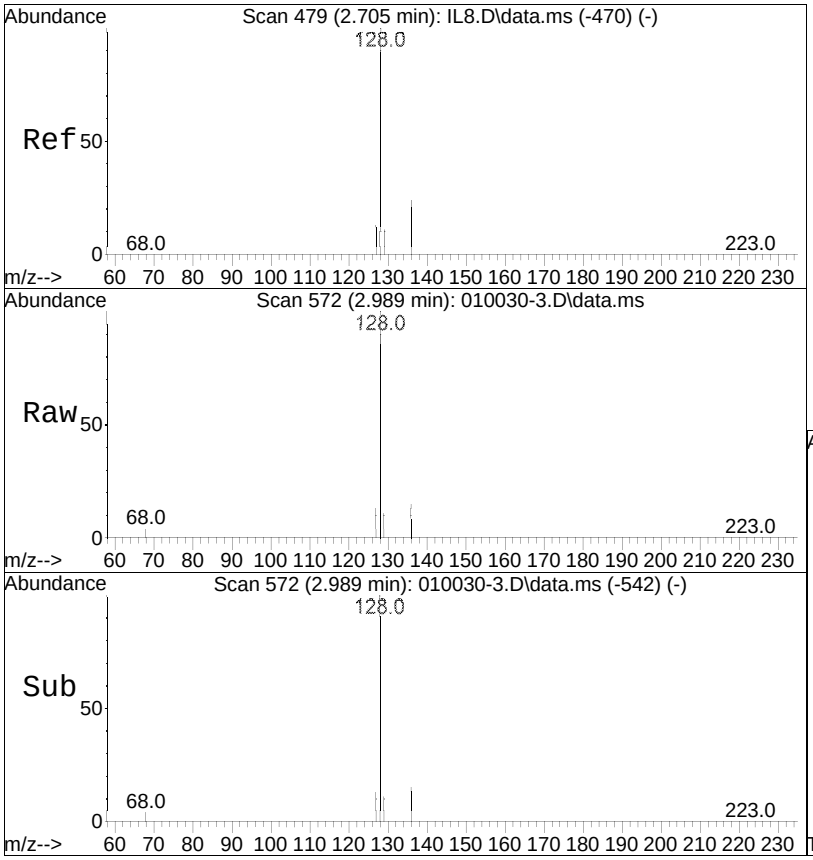


#6
Hexachloroethane
Concen: 1272.01 ng/ml
RT: 2.574 min Scan# 424
Delta R.T. -0.000 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:117 Resp: 21389

Ion	Ratio	Lower	Upper
117	100		
201	102.3	82.0	123.0

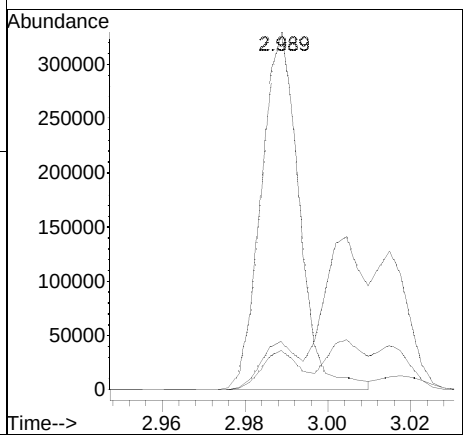


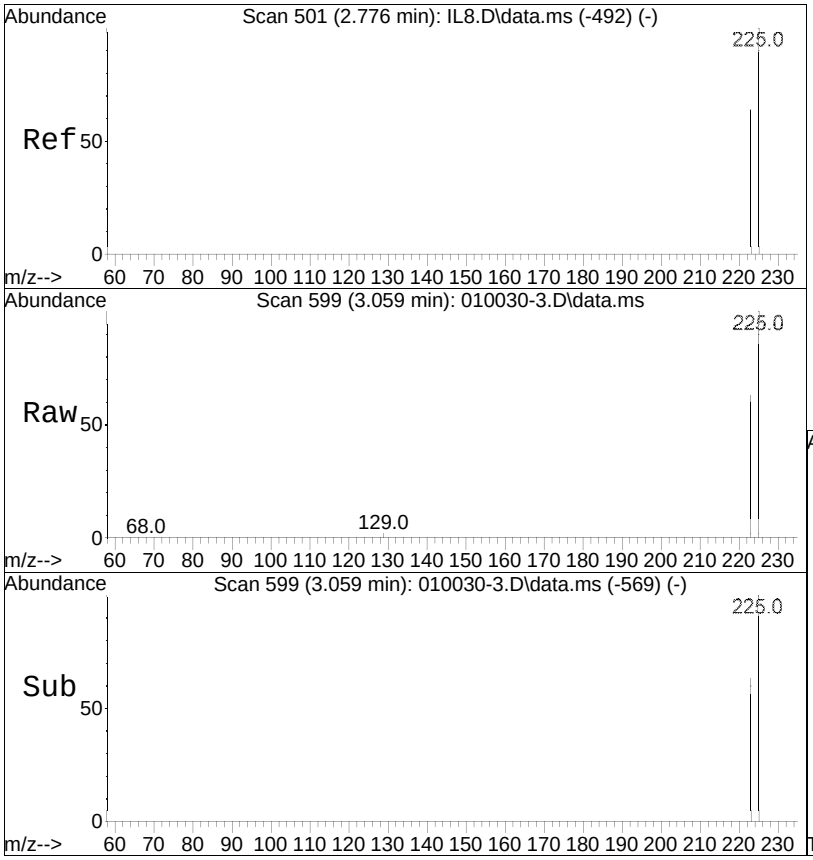


#9
Naphthalene
Concen: 1602.99 ng/ml
RT: 2.989 min Scan# 572
Delta R.T. -0.001 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:128 Resp: 209177

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	13.4	10.7	16.1

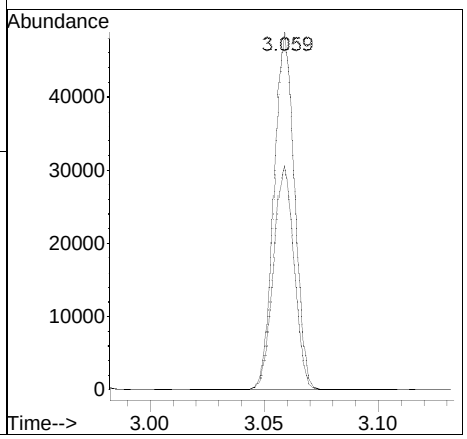


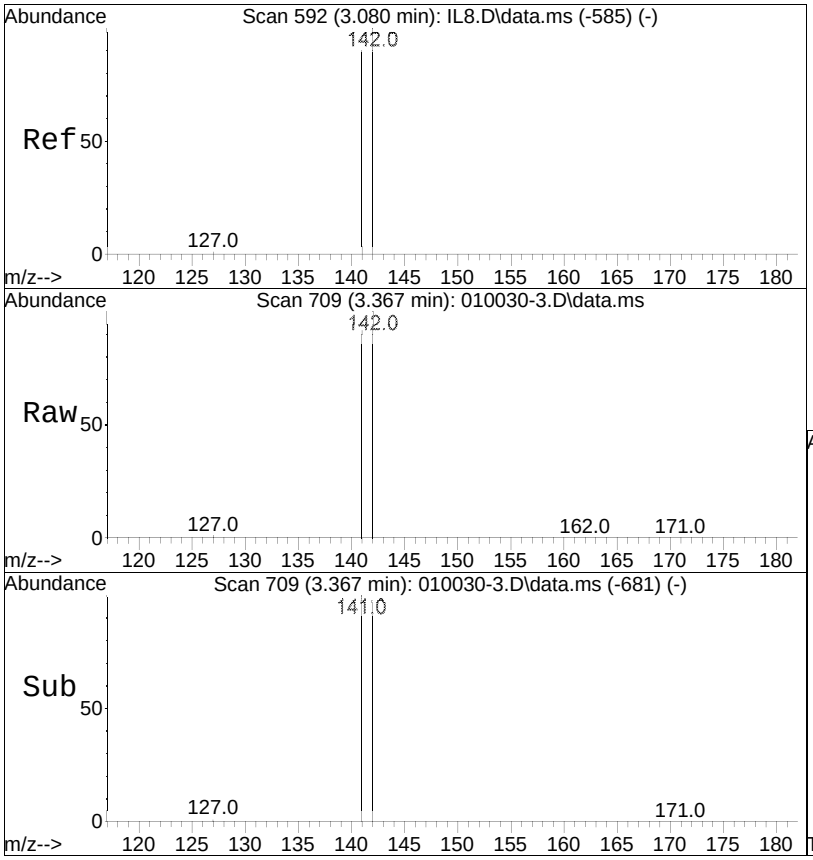


#10
Hexachlorobutadiene
Concen: 1203.32 ng/ml
RT: 3.059 min Scan# 599
Delta R.T. -0.001 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:225 Resp: 29753

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.5	75.7

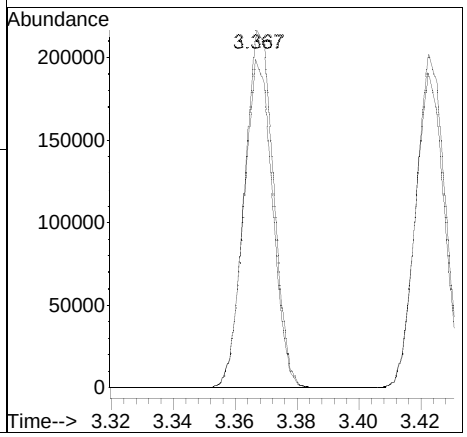


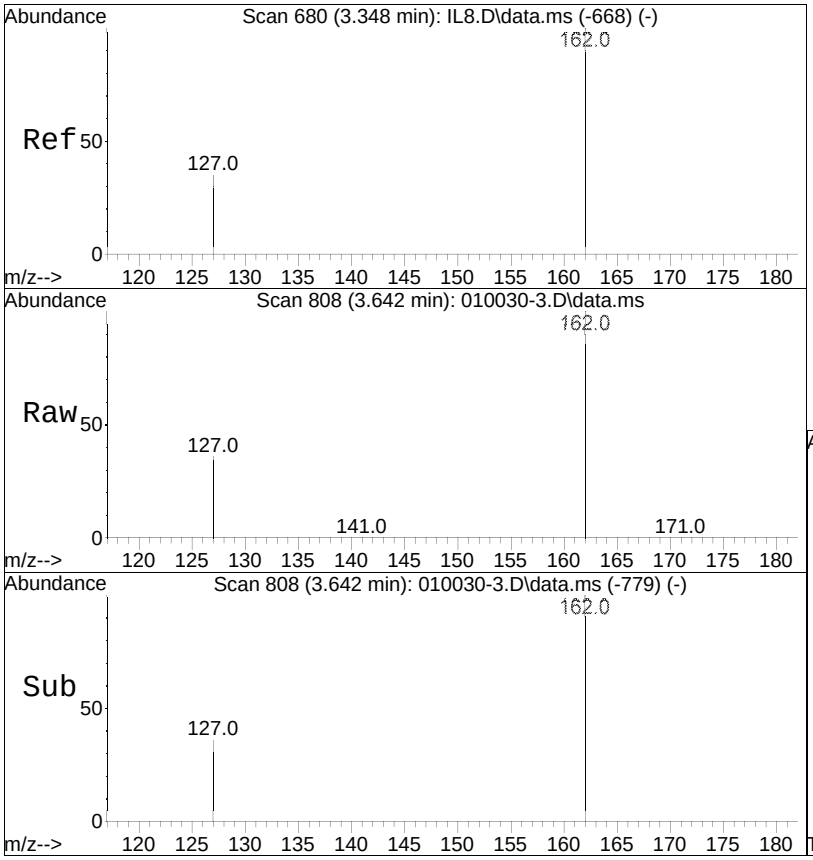


#11
2-Methylnaphthalene
Concen: 1565.23 ng/ml
RT: 3.367 min Scan# 709
Delta R.T. -0.003 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:142 Resp: 141801

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.2

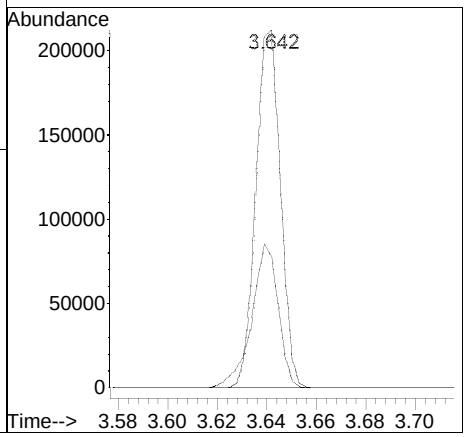


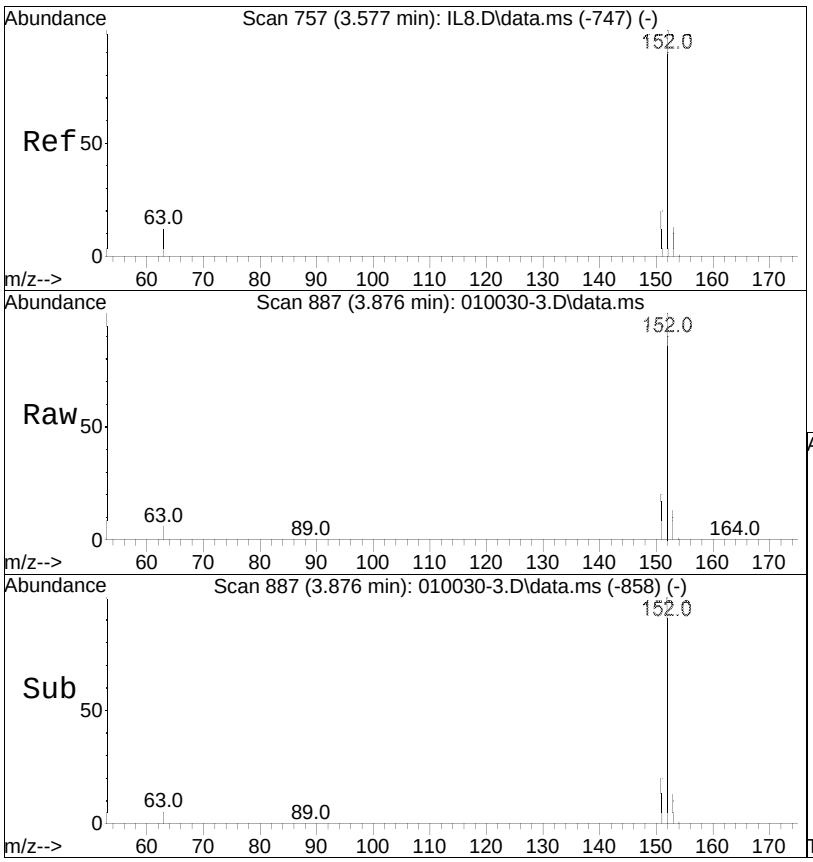


#14
2-Chloronaphthalene
Concen: 1592.26 ng/ml
RT: 3.642 min Scan# 808
Delta R.T. -0.001 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:162 Resp: 143195

Ion	Ratio	Lower	Upper
162	100		
127	43.4	31.0	46.4

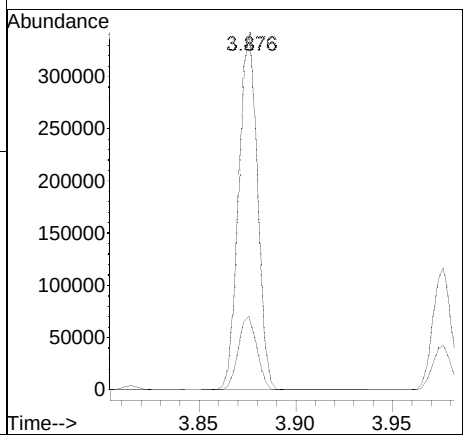


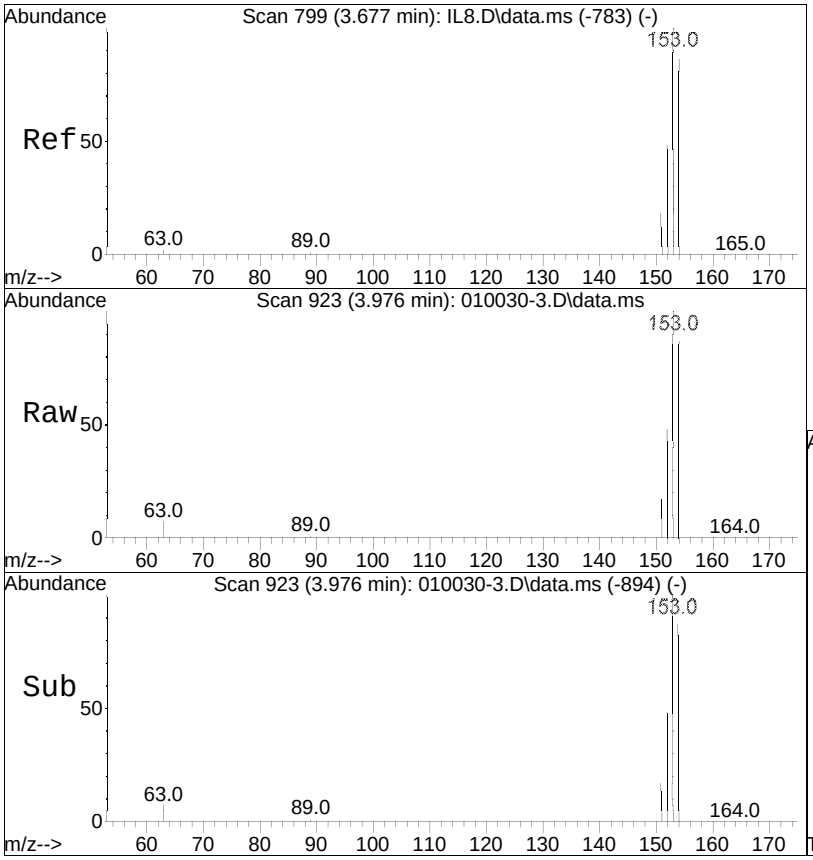


#16
Acenaphthylene
Concen: 1767.66 ng/ml
RT: 3.876 min Scan# 887
Delta R.T. -0.001 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:152 Resp: 229198

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

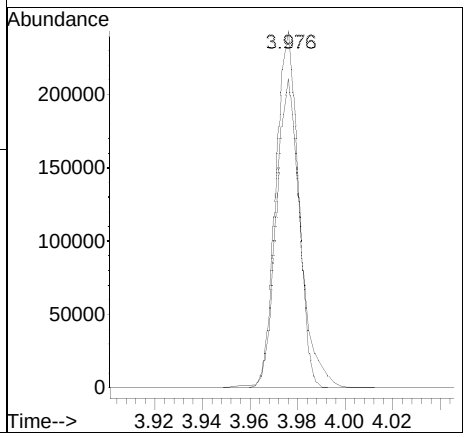


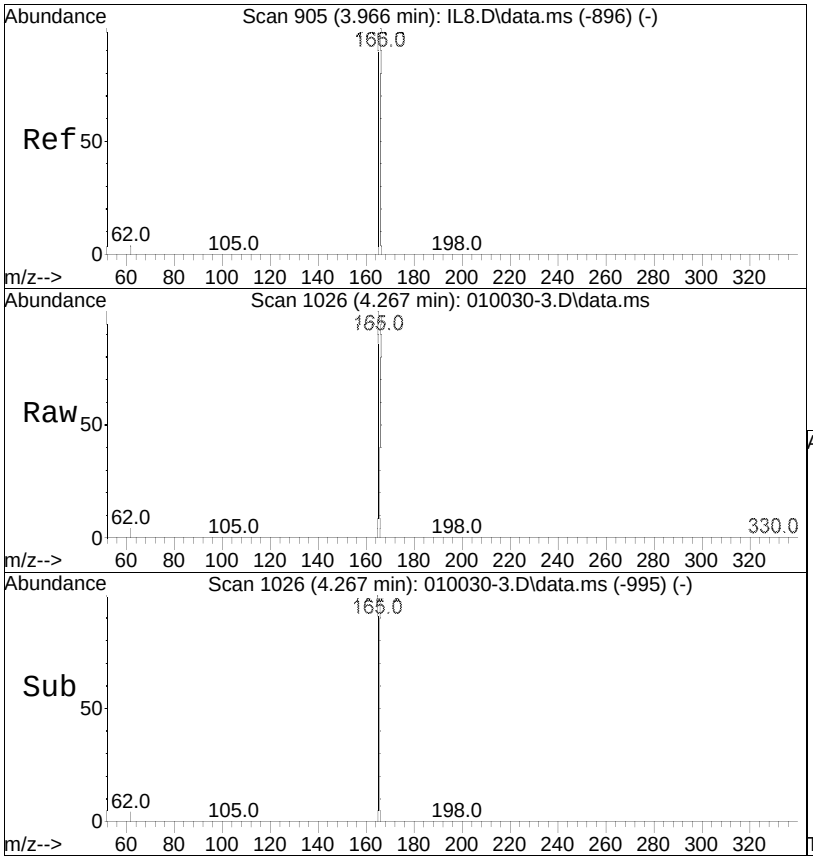


#18
Acenaphthene
Concen: 1905.40 ng/ml
RT: 3.976 min Scan# 923
Delta R.T. -0.001 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:153 Resp: 157368

Ion	Ratio	Lower	Upper
153	100		
154	94.2	69.8	104.6

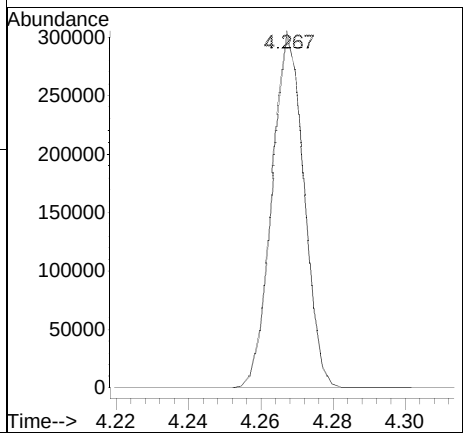


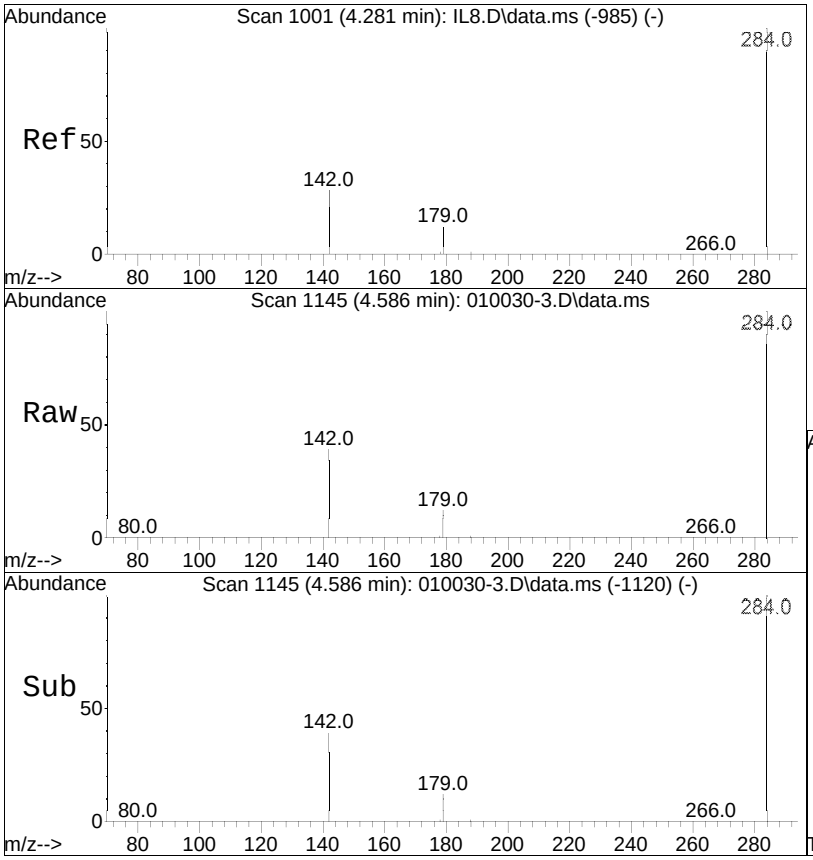


#20
Fluorene
Concen: 2078.62 ng/ml
RT: 4.267 min Scan# 1026
Delta R.T. -0.003 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:166 Resp: 185759

Ion	Ratio	Lower	Upper
166	100		
165	101.3	80.1	120.1

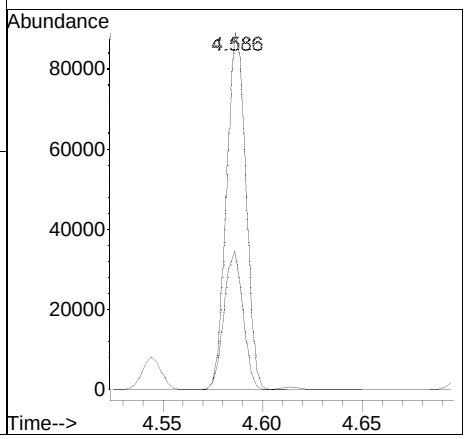


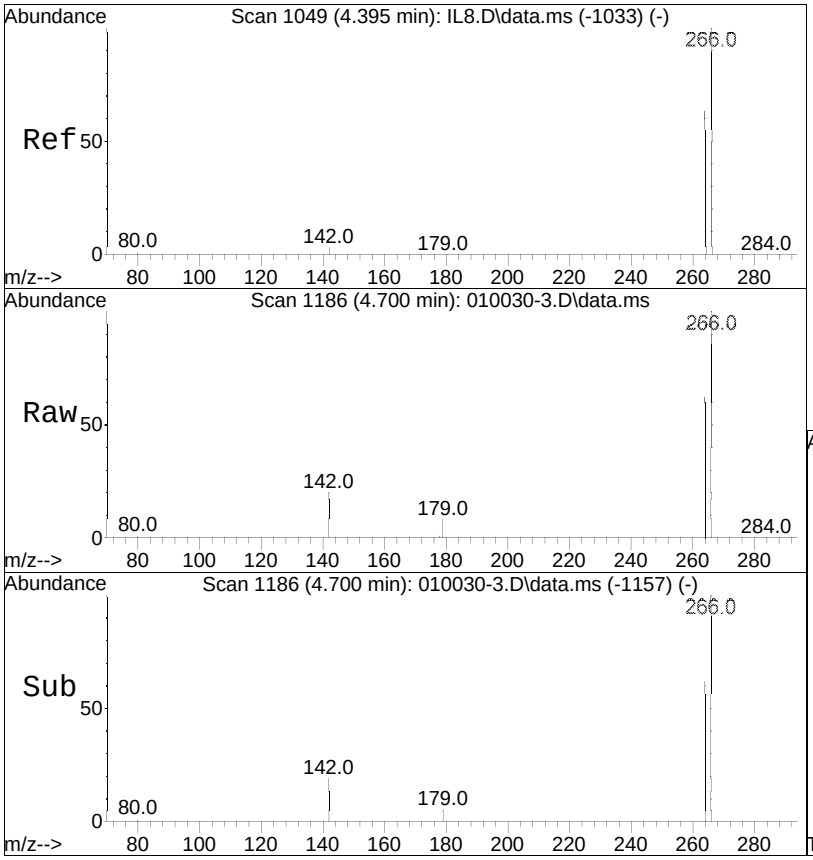


#24
Hexachlorobenzene
Concen: 2165.38 ng/ml
RT: 4.586 min Scan# 1145
Delta R.T. -0.003 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:284 Resp: 58966

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.2	45.2

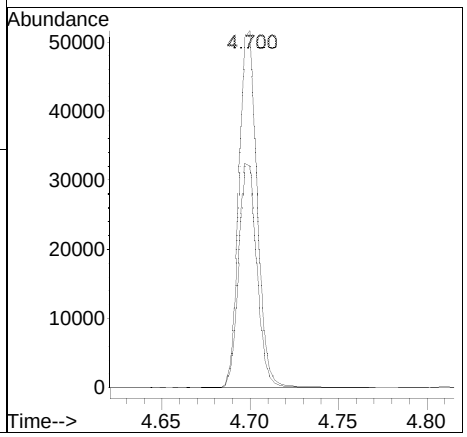


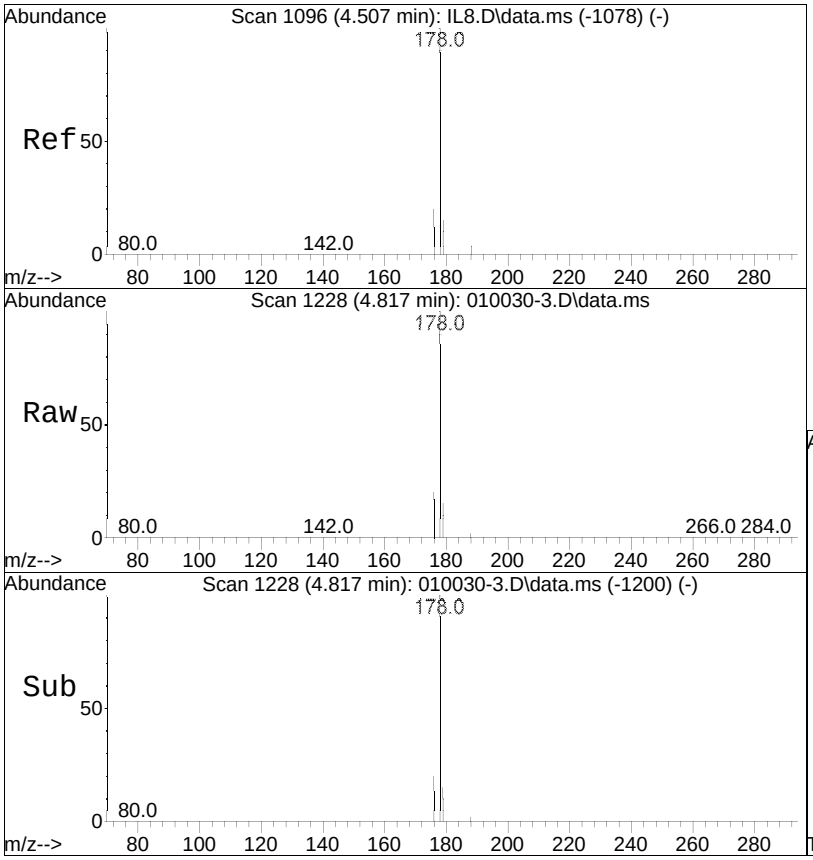


#25
Pentachlorophenol
Concen: 2329.49 ng/ml
RT: 4.700 min Scan# 1186
Delta R.T. -0.000 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:266 Resp: 36808

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

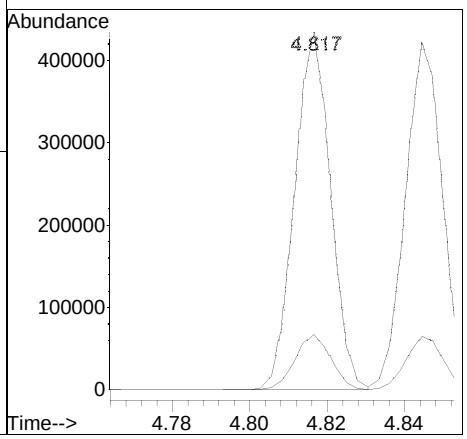


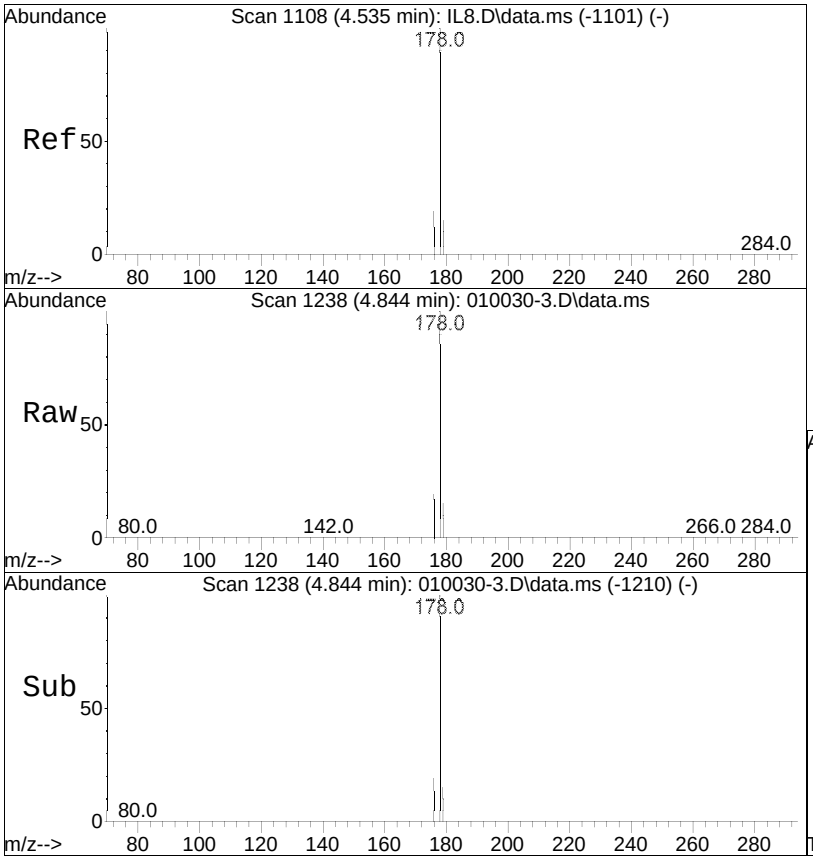


#26
Phenanthrene
Concen: 2278.50 ng/ml
RT: 4.817 min Scan# 1228
Delta R.T. -0.003 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:178 Resp: 279919

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

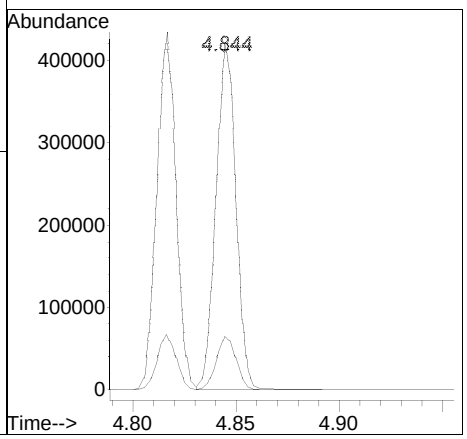


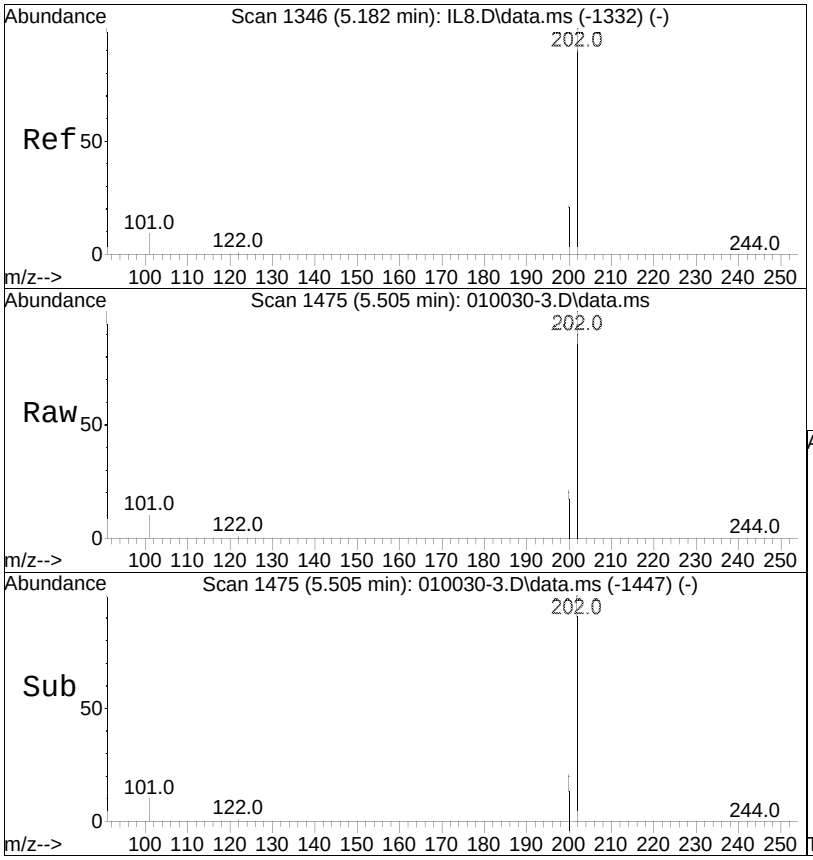


#27
Anthracene
Concen: 2222.56 ng/ml
RT: 4.844 min Scan# 1238
Delta R.T. -0.003 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:178 Resp: 282499

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

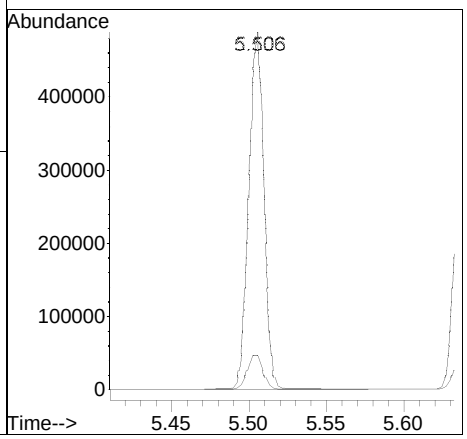


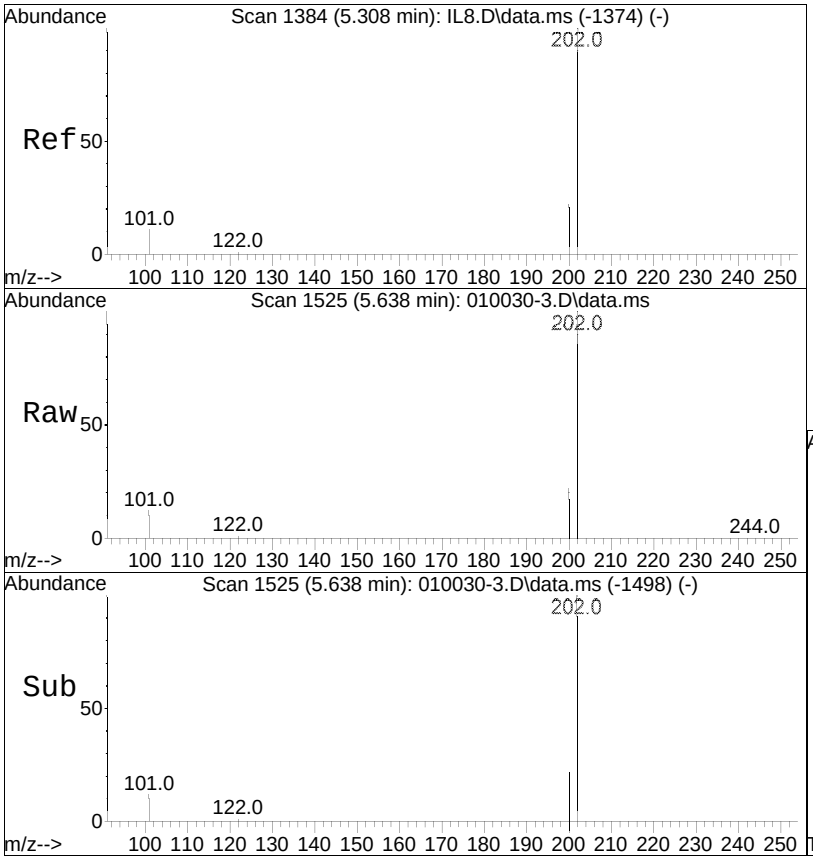


#28
Fluoranthene
Concen: 2338.75 ng/ml
RT: 5.505 min Scan# 1475
Delta R.T. -0.005 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:202 Resp: 330928

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.8	11.6

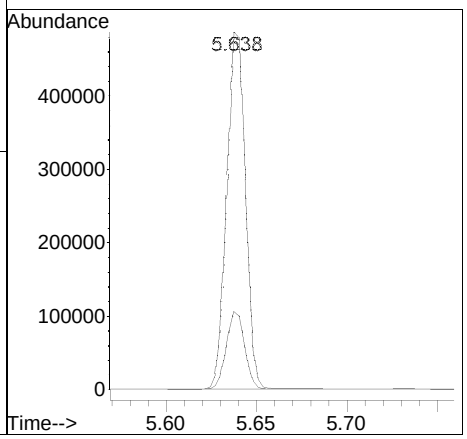


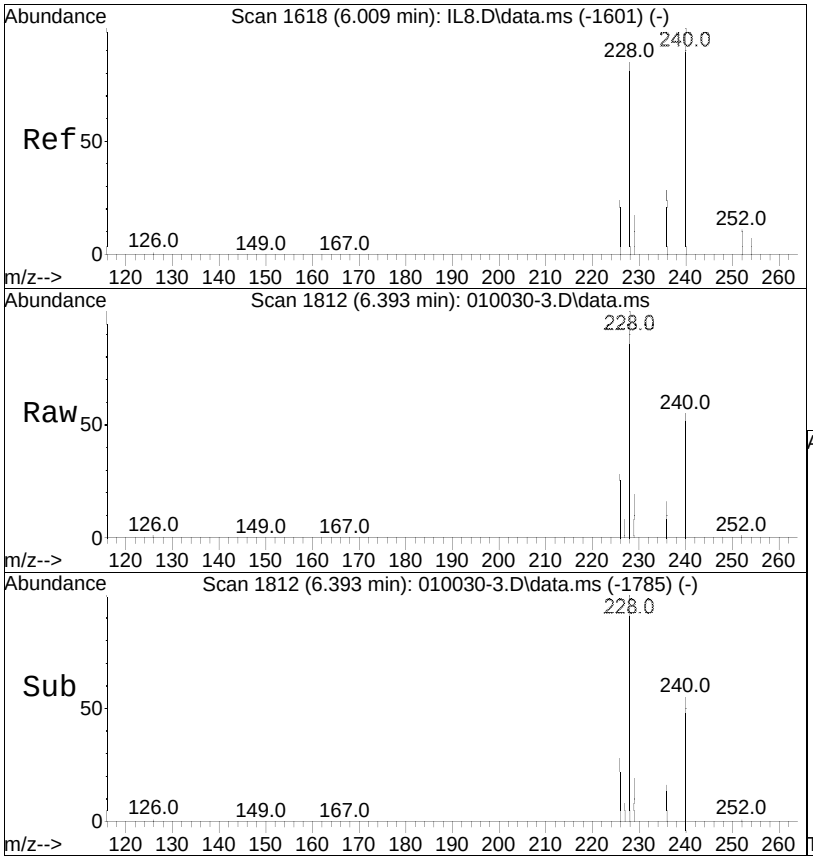


#29
Pyrene
Concen: 2359.23 ng/ml
RT: 5.638 min Scan# 1525
Delta R.T. -0.008 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:202 Resp: 344229

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

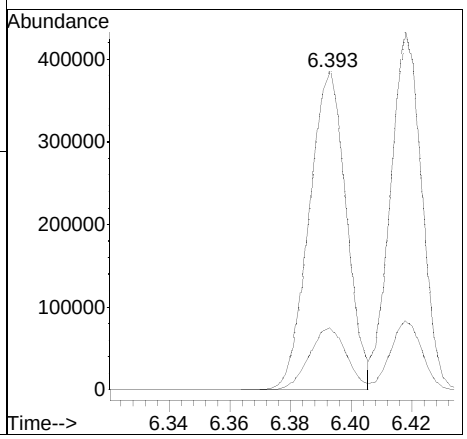


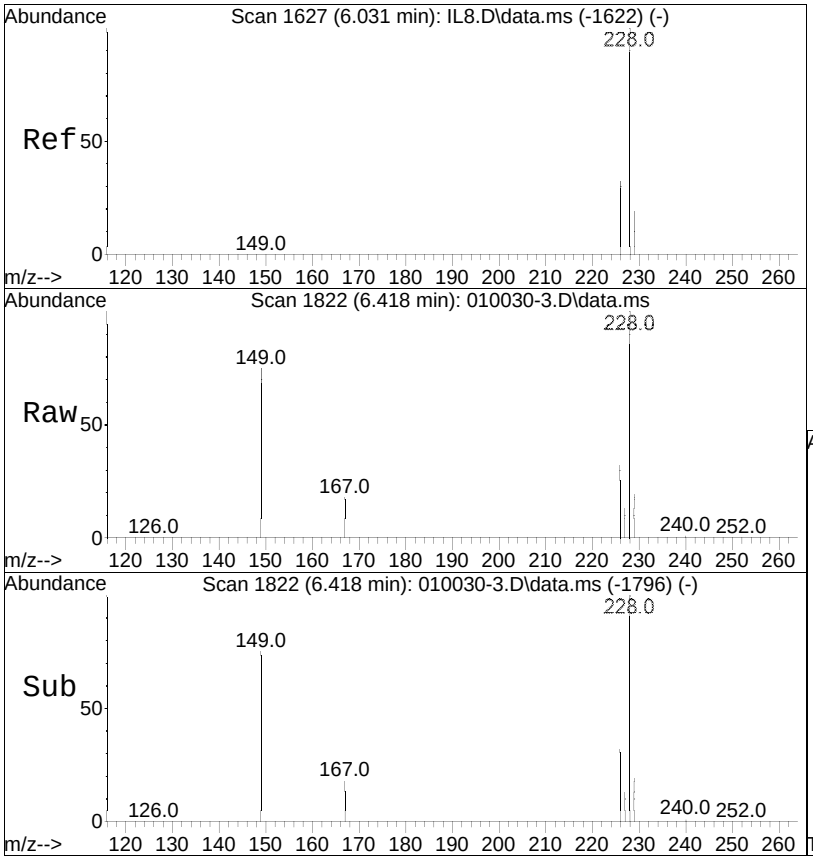


#32
Benzo[a]anthracene
Concen: 2345.67 ng/ml
RT: 6.393 min Scan# 1812
Delta R.T. -0.012 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:228 Resp: 328070

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.2	24.4

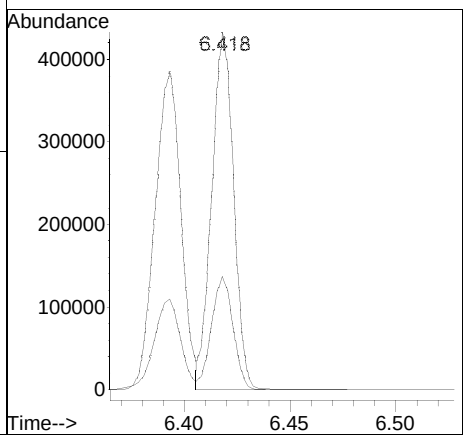


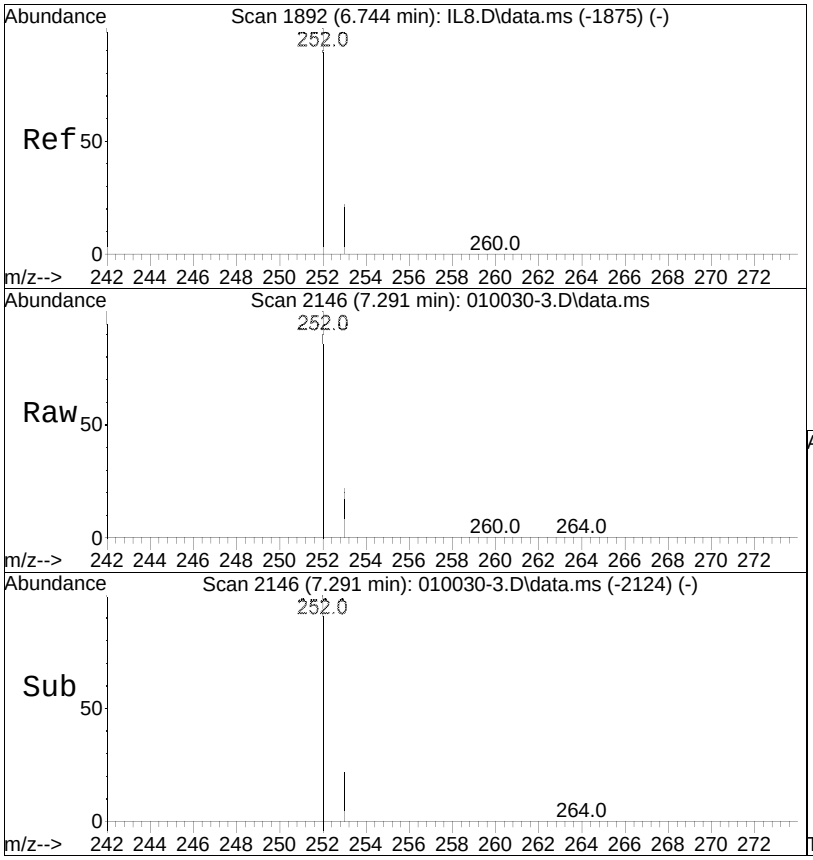


#34
Chrysene
Concen: 2552.69 ng/ml
RT: 6.418 min Scan# 1822
Delta R.T. -0.015 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:228 Resp: 309411

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3

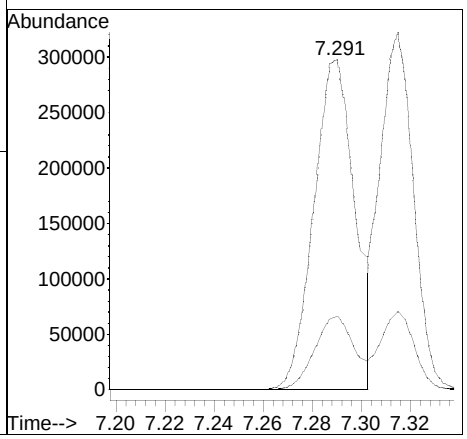


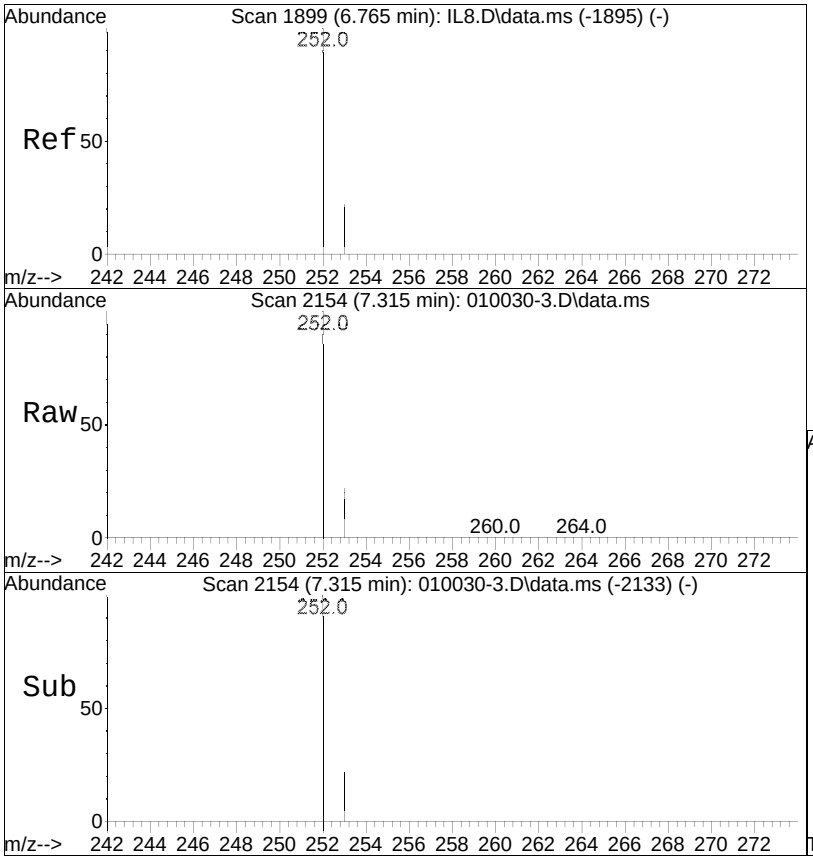


#37
Benzo[b]fluoranthene
Concen: 2382.18 ng/ml
RT: 7.291 min Scan# 2146
Delta R.T. -0.012 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:252 Resp: 347270

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

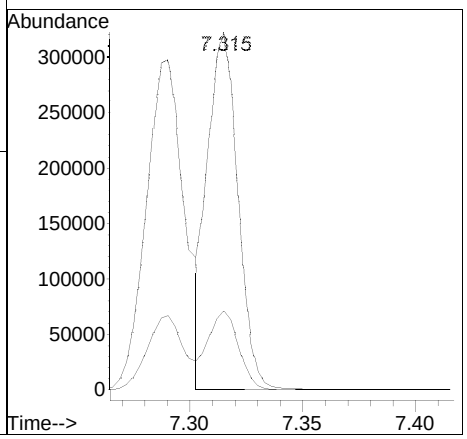


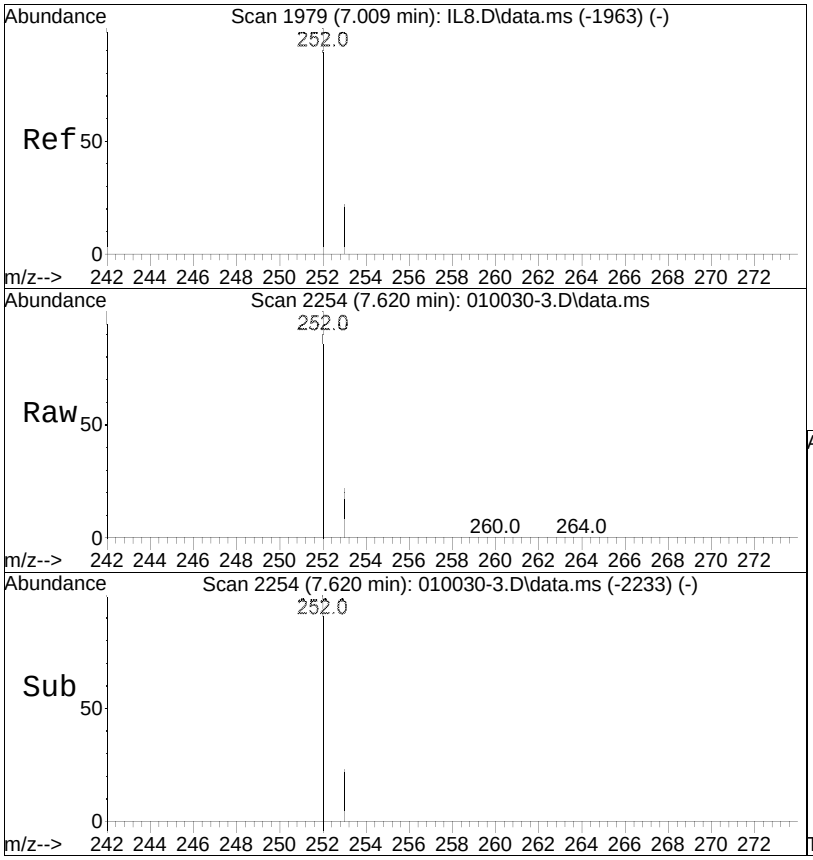


#38
Benzo[k]fluoranthene
Concen: 2300.72 ng/ml
RT: 7.315 min Scan# 2154
Delta R.T. -0.015 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:252 Resp: 301514

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

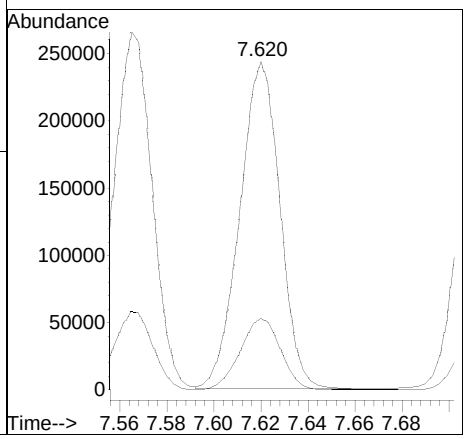


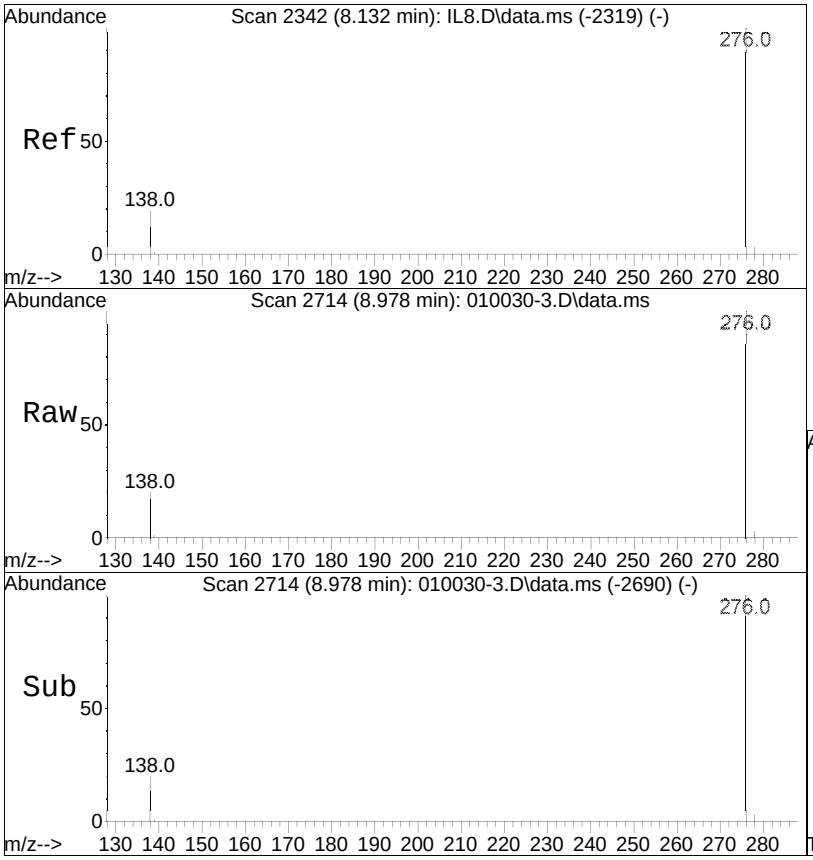


#39
Benzo[a]pyrene
Concen: 2403.24 ng/ml
RT: 7.620 min Scan# 2254
Delta R.T. -0.015 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:252 Resp: 286958

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2

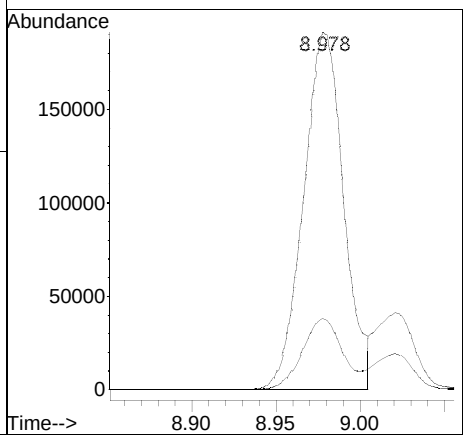


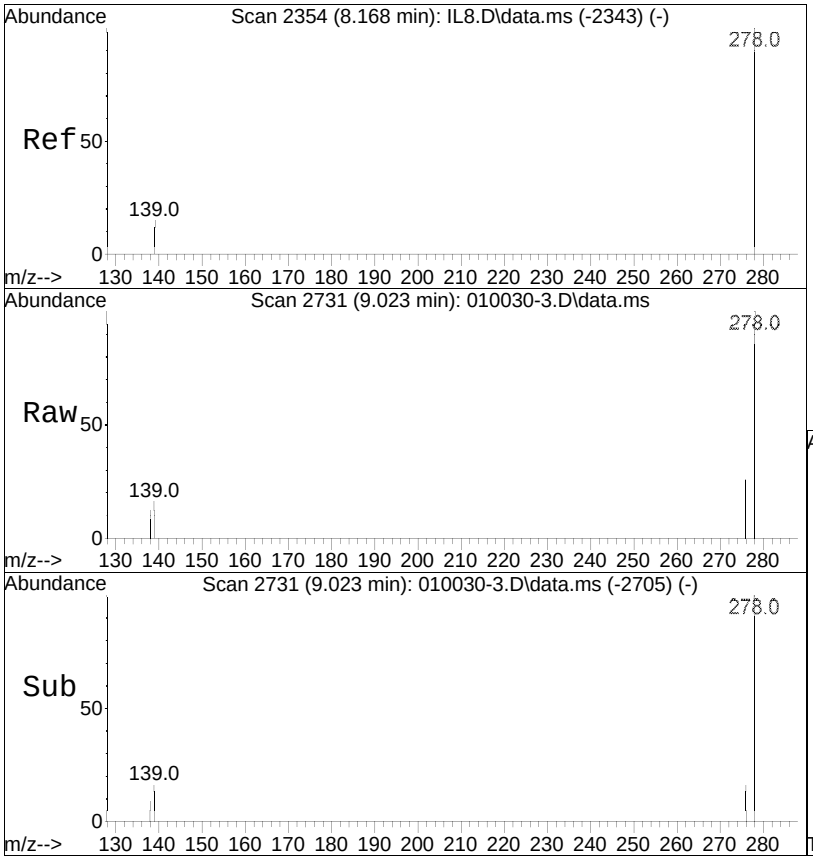


#40
Indeno[1,2,3-cd]pyrene
Concen: 2570.86 ng/ml
RT: 8.978 min Scan# 2714
Delta R.T. -0.016 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:276 Resp: 313891

Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.4	23.0

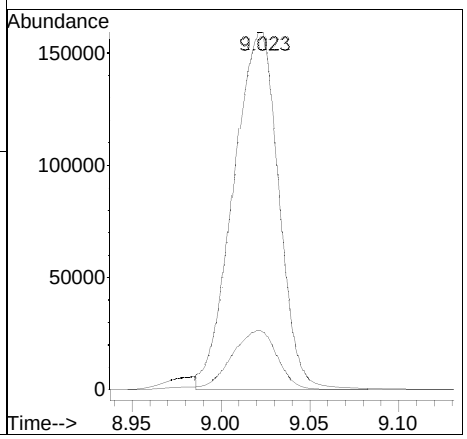


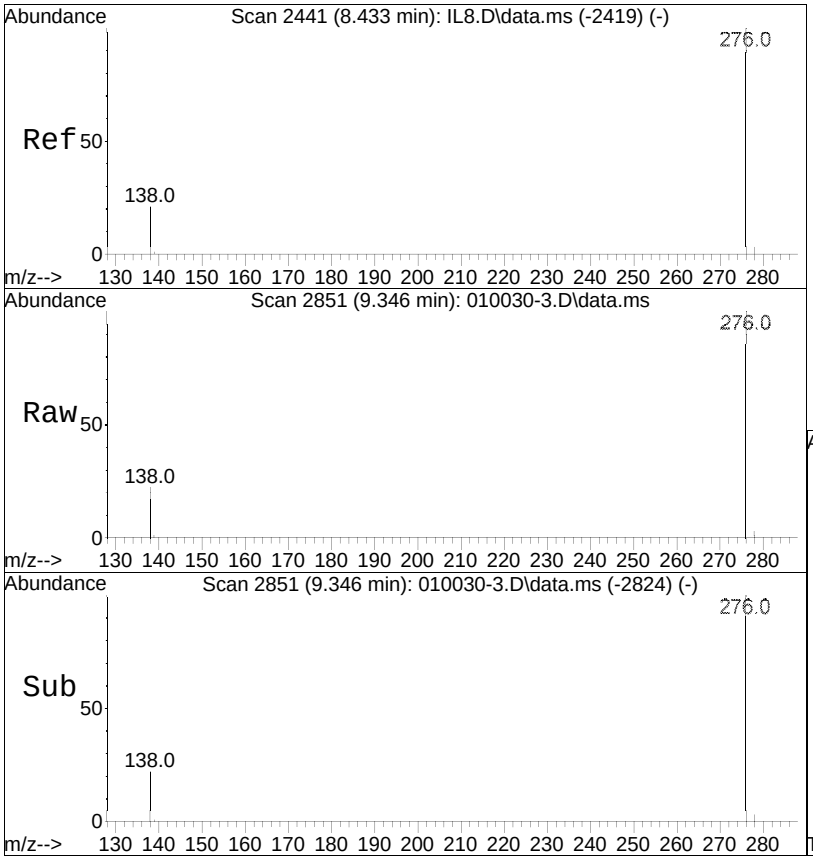


#41
Dibenzo[a,h]anthracene
Concen: 2459.34 ng/ml M6
RT: 9.023 min Scan# 2731
Delta R.T. -0.011 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:278 Resp: 282091

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.0	19.6

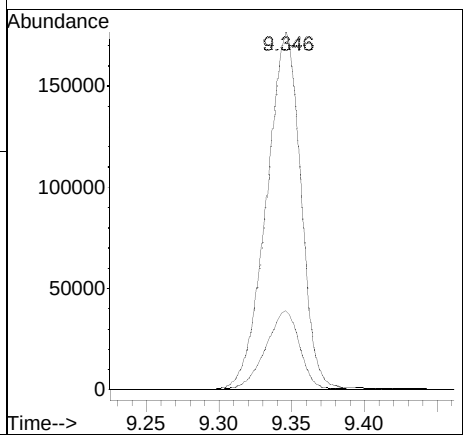




#42
Benzo[g,h,i]perylene
Concen: 2420.07 ng/ml
RT: 9.346 min Scan# 2851
Delta R.T. -0.008 min
Lab File: 010030-3.D
Acq: 19 Dec 2024 08:09 am

Tgt Ion:276 Resp: 286978

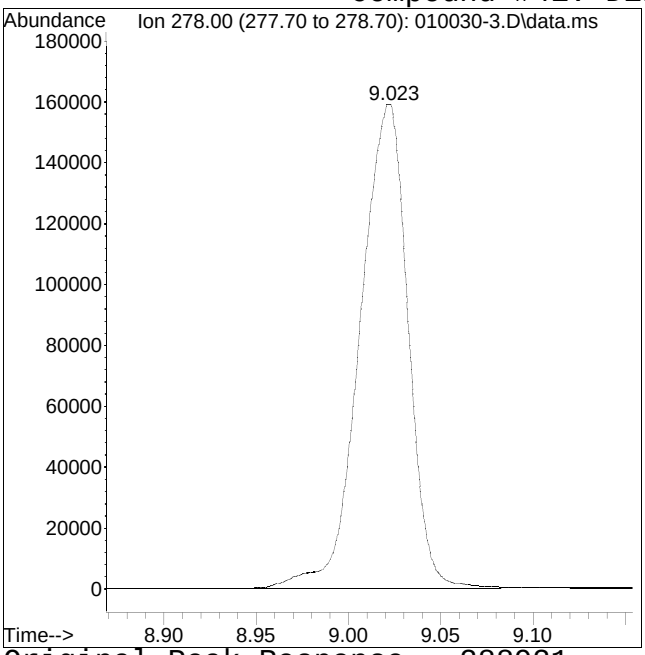
Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.6	25.0



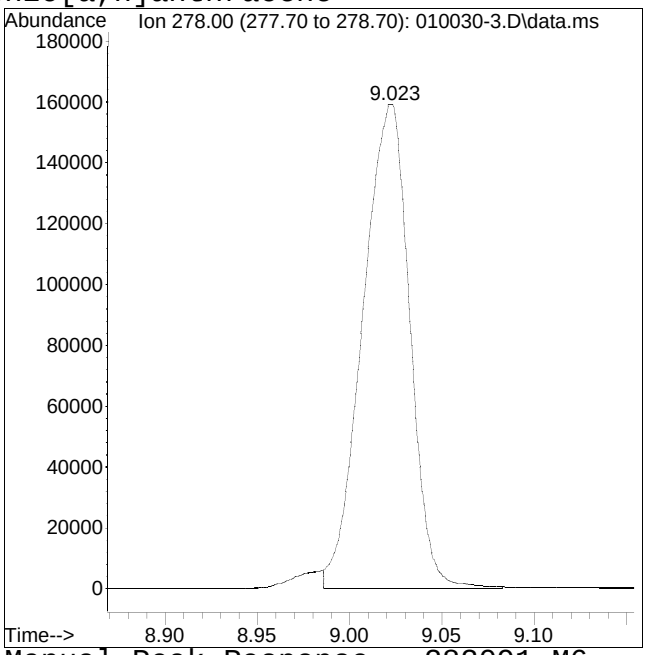
Manual Integration Report

Data Path : I:\8270SIM\sv120\241219RVTQ
Data File : 010030-3.D
Date Inj'd : 12/19/2024 8:09 am
Sample : WG2010030-3,32,,RV,kmh
Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 12/19/2024 8:22 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 288921



Manual Peak Response = 282091 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 011034-3.D
Acq On : 19 Dec 2024 11:40 am
Operator : SV120:rp
Sample : WG2011034-3,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 16:31:33 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.318	152	132533	4000.000	ng/ml	0.00
Standard Area 1 = 183438			Recovery = 72.25%			
8) Naphthalene-d8	2.981	136	536761	4000.000	ng/ml	# 0.00
Standard Area 1 = 731006			Recovery = 73.43%			
17) Acenaphthene-d10	3.960	164	288294	4000.000	ng/ml	0.00
Standard Area 1 = 431670			Recovery = 66.79%			
22) Phenanthrene-d10	4.804	188	552120	4000.000	ng/ml	0.00
Standard Area 1 = 877889			Recovery = 62.89%			
31) Chrysene-d12	6.384	240	483033	4000.000	ng/ml	-0.03
Standard Area 1 = 872898			Recovery = 55.34%			
36) Perylene-d12	7.669	264	481297	4000.000	ng/ml	-0.04
Standard Area 1 = 860499			Recovery = 55.93%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.747	112	38359	983.293	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.16%			
3) Phenol-d6	2.132	99	34782	725.627	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.28%			
7) Nitrobenzene-d5	2.597	82	30357	717.383	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.74%			
13) 2-Fluorobiphenyl	3.575	172	71702	662.758	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.28%			
21) 2,4,6-Tribromophenol	4.405	330	20158	1756.467	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 87.82%			
30) 4-Terphenyl-d14	5.723	244	87049	867.078	ng/ml	-0.02
Spiked Amount 2000.000	Range 30 - 130		Recovery = 43.35%			
Target Compounds						Qvalue
6) Hexachloroethane	2.577	117	18772	1081.913	ng/ml	99
9) Naphthalene	2.992	128	176474	1315.215	ng/ml	99
10) Hexachlorobutadiene	3.062	225	25905	1018.900	ng/ml	100
11) 2-Methylnaphthalene	3.370	142	118308	1270.024	ng/ml	100
14) 2-Chloronaphthalene	3.642	162	116951	1264.704	ng/ml	92
16) Acenaphthylene	3.876	152	190754	1430.740	ng/ml	100
18) Acenaphthene	3.976	153	129382	1486.814	ng/ml	91
20) Fluorene	4.270	166	156184	1658.724	ng/ml	99
24) Hexachlorobenzene	4.587	284	50456	1730.077	ng/ml	98
25) Pentachlorophenol	4.698	266	33205	1988.993	ng/ml	100

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 011034-3.D
Acq On : 19 Dec 2024 11:40 am
Operator : SV120:rp
Sample : WG2011034-3,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 16:31:33 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241219RVT\ccv1219.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.815	178	246845	1876.123	ng/ml	100
27) Anthracene	4.845	178	248100	1822.565	ng/ml	100
28) Fluoranthene	5.498	202	302509	1996.215	ng/ml	99
29) Pyrene	5.630	202	311039	1990.477	ng/ml	100
32) Benzo[a]anthracene	6.374	228	291386	1973.231	ng/ml	98
34) Chrysene	6.399	228	274749	2148.542	ng/ml	99
37) Benzo[b]fluoranthene	7.266	252	291044	1992.891	ng/ml	100
38) Benzo[k]fluoranthene	7.294	252	265796	2024.523	ng/ml	100
39) Benzo[a]pyrene	7.602	252	242200	2024.746	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.962	276	258631	2114.453	ng/ml	98
41) Dibenzo[a,h]anthracene	8.999	278	236153M6	2055.133	ng/ml	
42) Benzo[g,h,i]perylene	9.325	276	237700	2000.909	ng/ml	97

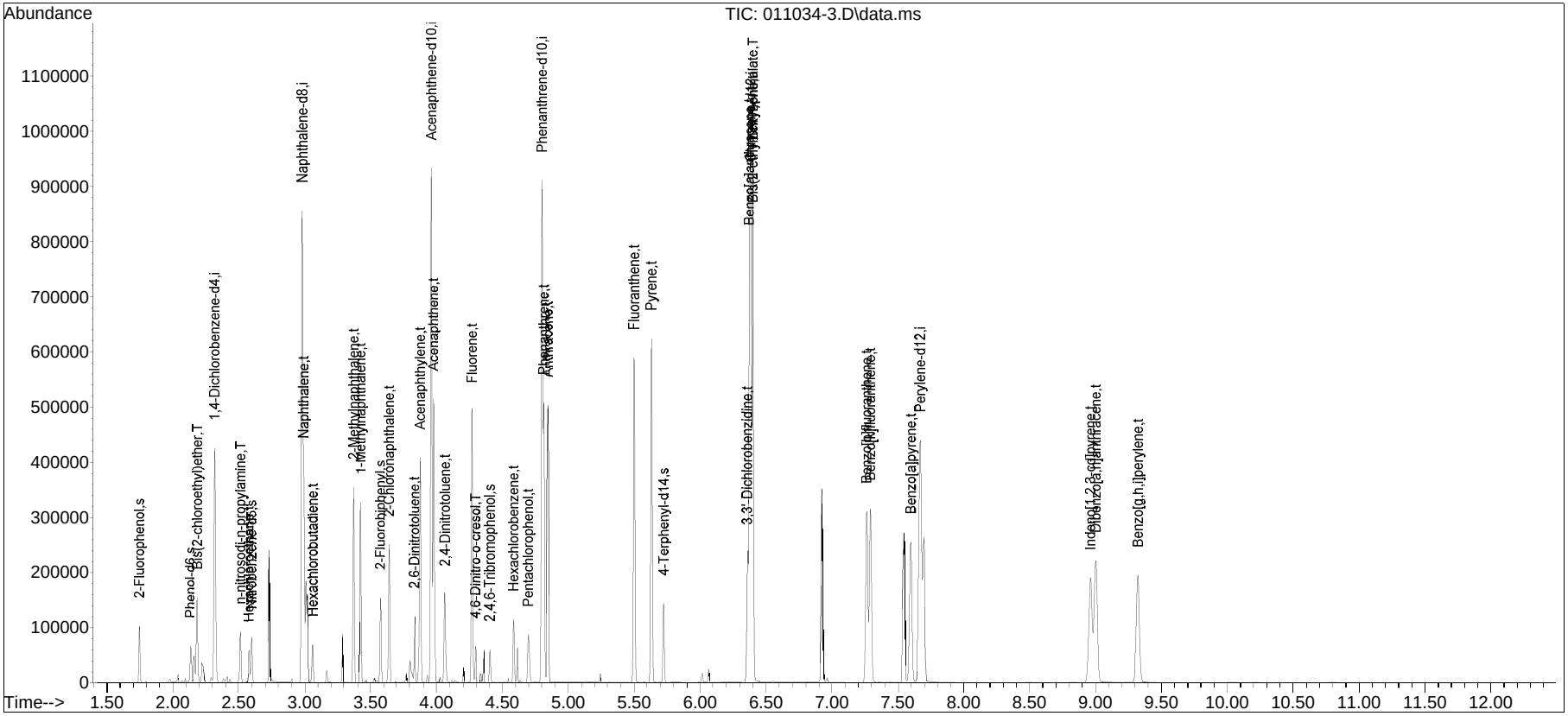
(#) = qualifier out of range (m) = manual integration (+) = signals summed

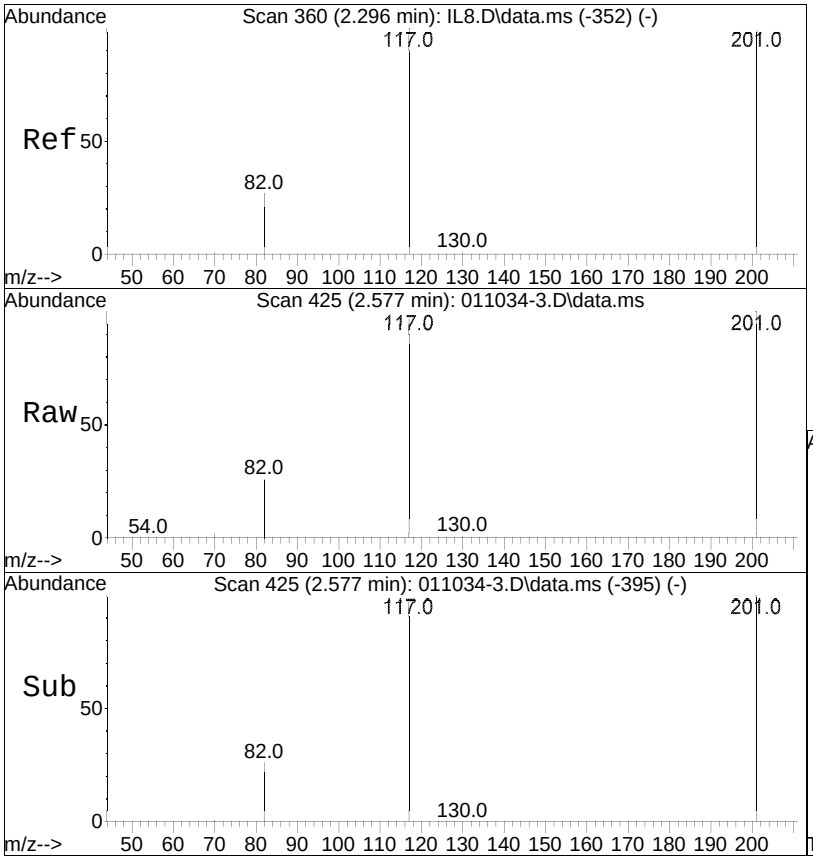
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241219RVT\
Data File : 011034-3.D
Acq On : 19 Dec 2024 11:40 am
Operator : SV120:rp
Sample : WG2011034-3,32,,kmh
Misc : WG2011166,WG2011034,ical21668
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 16:31:33 2024
Quant Method : I:\8270sim\sv120\241219RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 19 07:31:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1219.D•

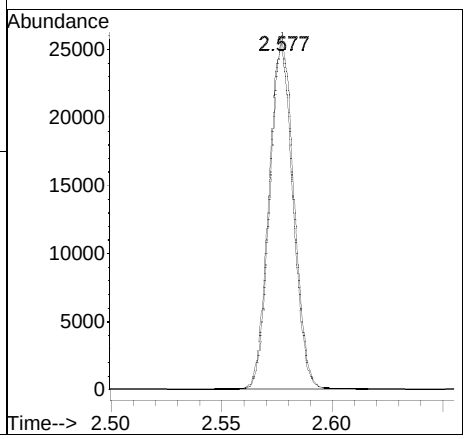


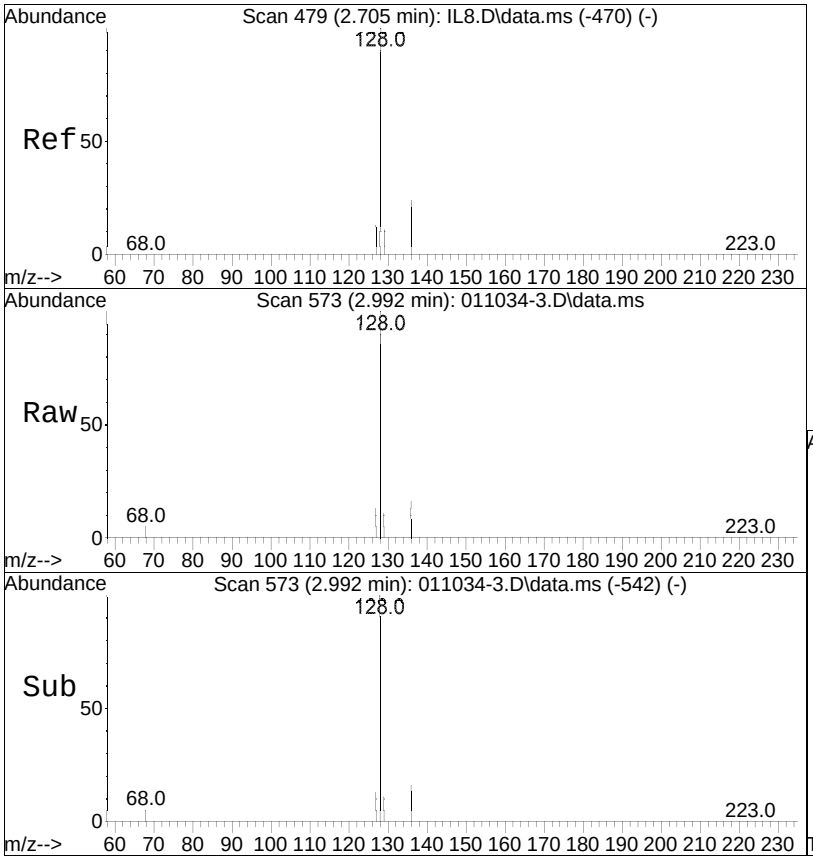


#6
Hexachloroethane
Concen: 1081.91 ng/ml
RT: 2.577 min Scan# 425
Delta R.T. 0.002 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:117 Resp: 18772

Ion	Ratio	Lower	Upper
117	100		
201	101.7	82.0	123.0

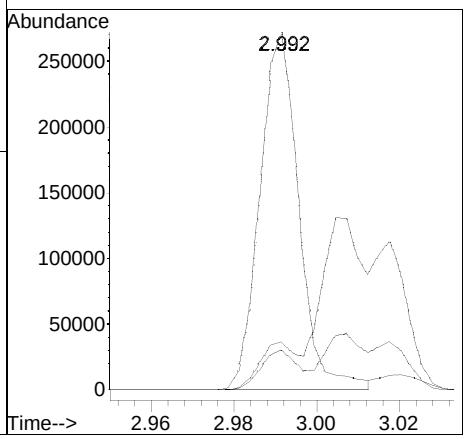


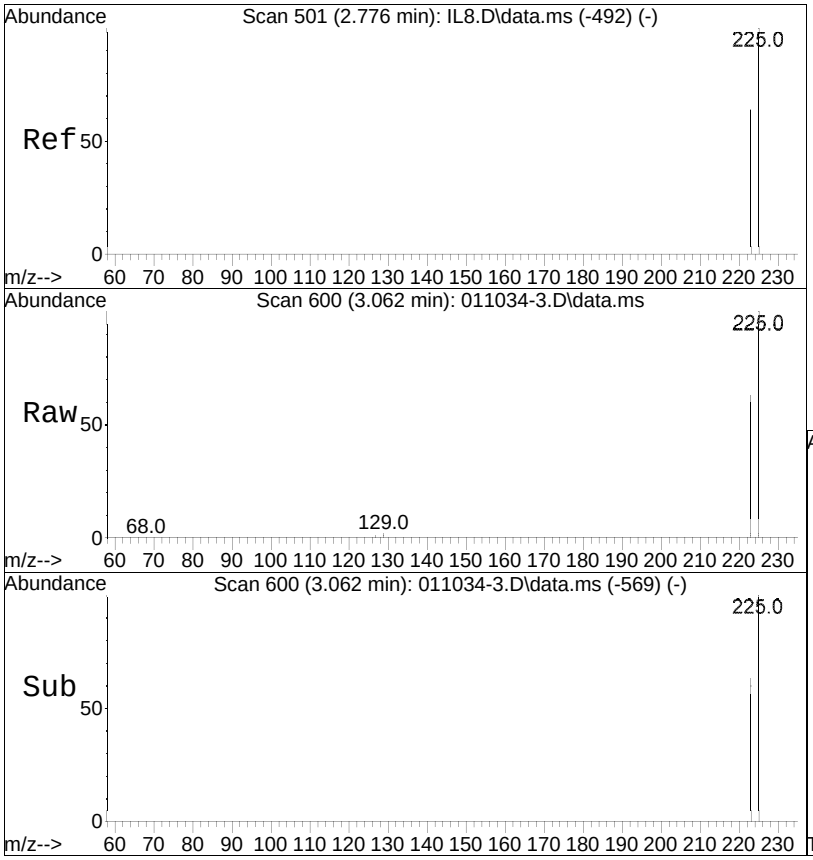


#9
Naphthalene
Concen: 1315.21 ng/ml
RT: 2.992 min Scan# 573
Delta R.T. 0.002 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:128 Resp: 176474

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	13.8	10.7	16.1

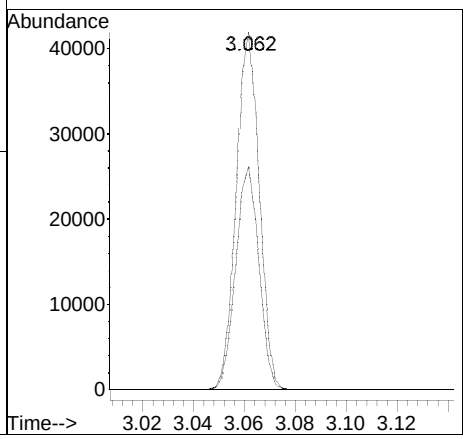


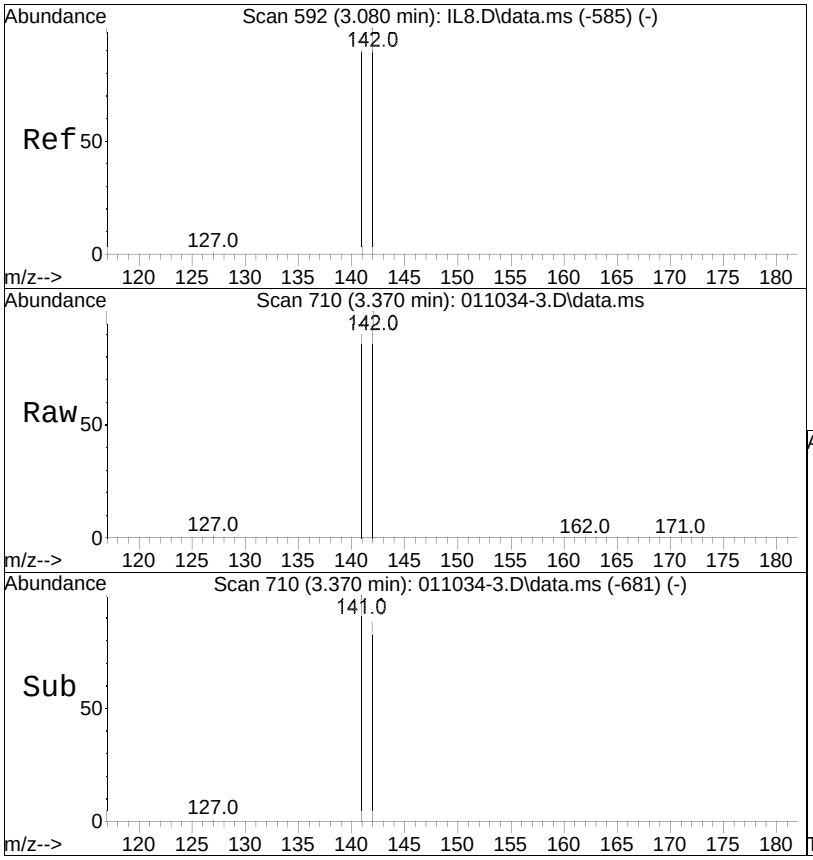


#10
Hexachlorobutadiene
Concen: 1018.90 ng/ml
RT: 3.062 min Scan# 600
Delta R.T. 0.002 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:225 Resp: 25905

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

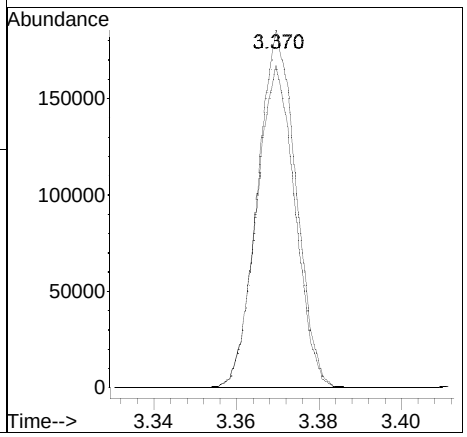


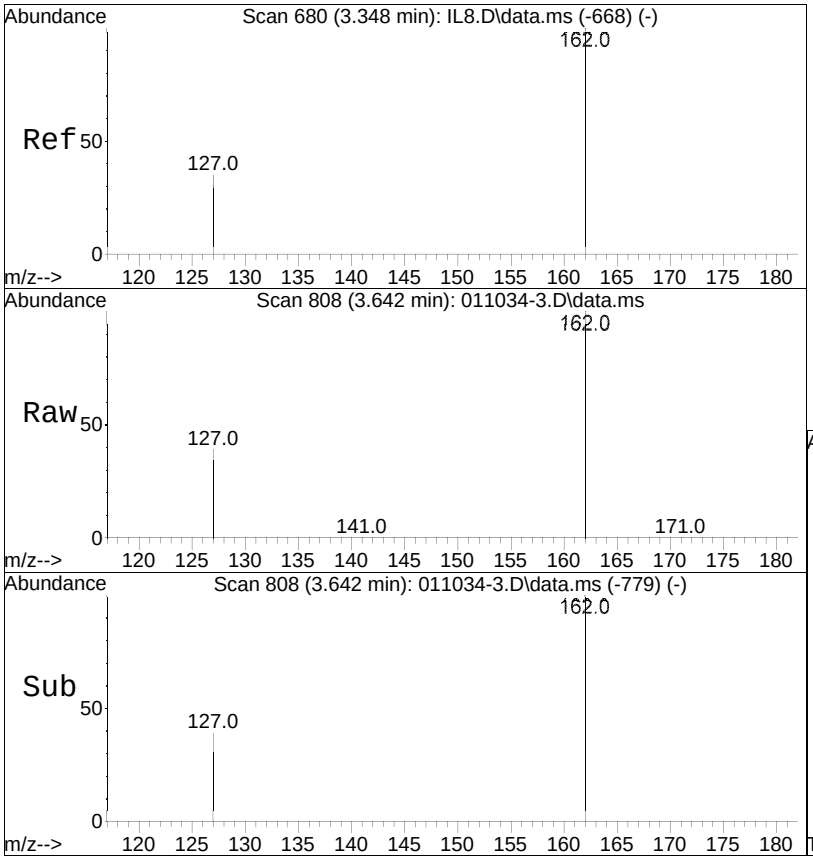


#11
2-Methylnaphthalene
Concen: 1270.02 ng/ml
RT: 3.370 min Scan# 710
Delta R.T. -0.001 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:142 Resp: 118308

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.2	108.2

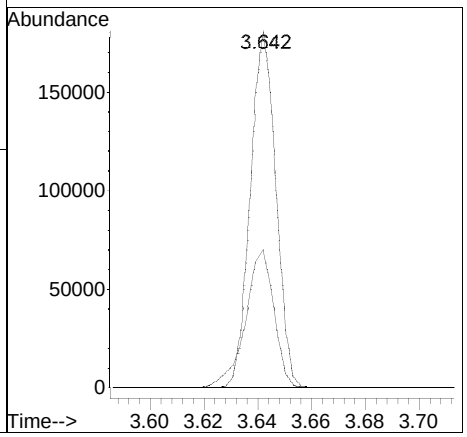


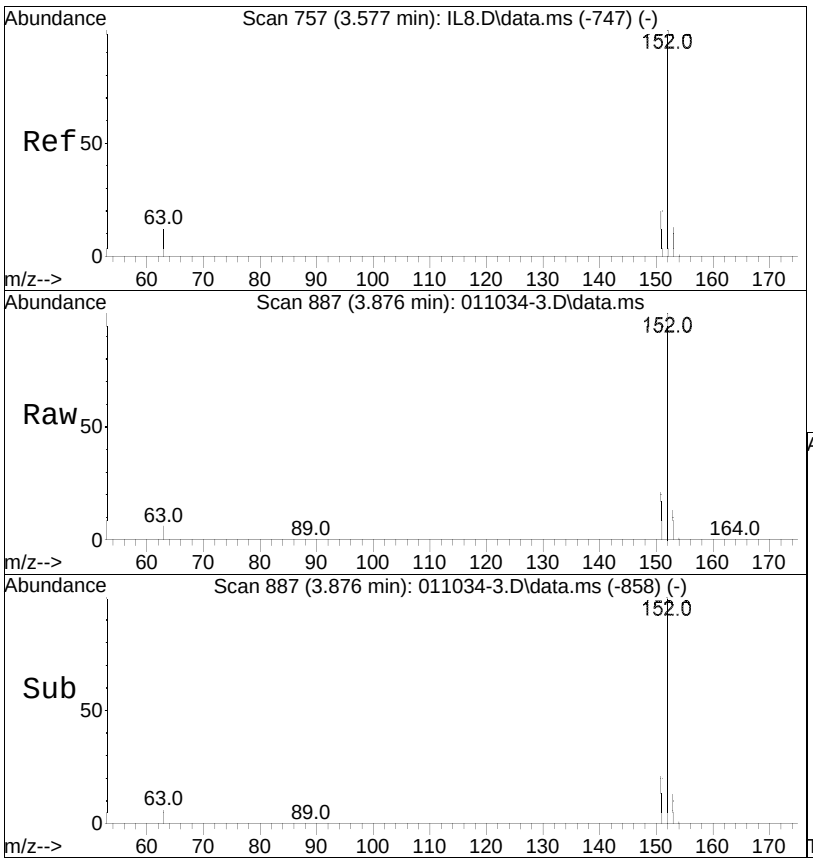


#14
2-Chloronaphthalene
Concen: 1264.70 ng/ml
RT: 3.642 min Scan# 808
Delta R.T. -0.001 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:162 Resp: 116951

Ion	Ratio	Lower	Upper
162	100		
127	43.4	31.0	46.4

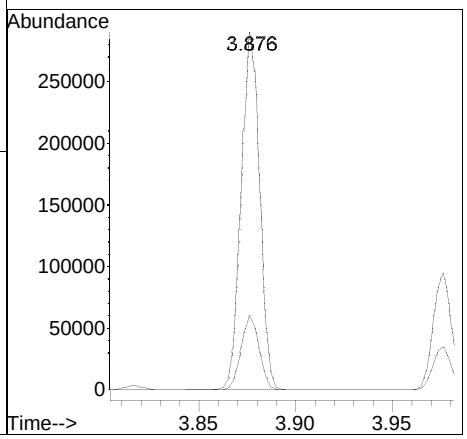


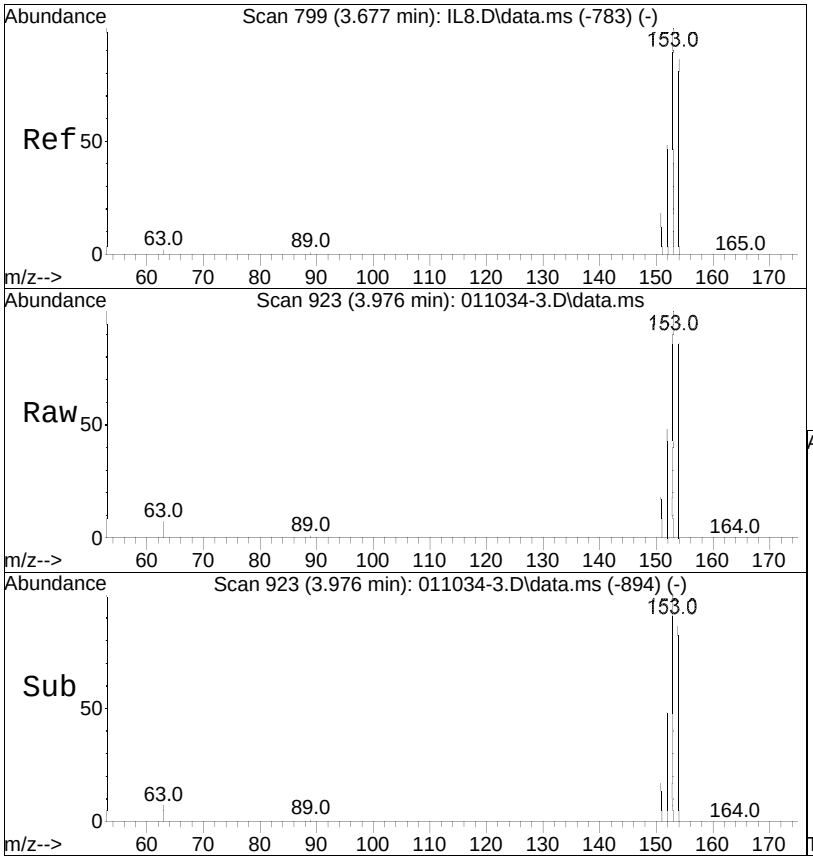


#16
Acenaphthylene
Concen: 1430.74 ng/ml
RT: 3.876 min Scan# 887
Delta R.T. -0.001 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:152 Resp: 190754

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

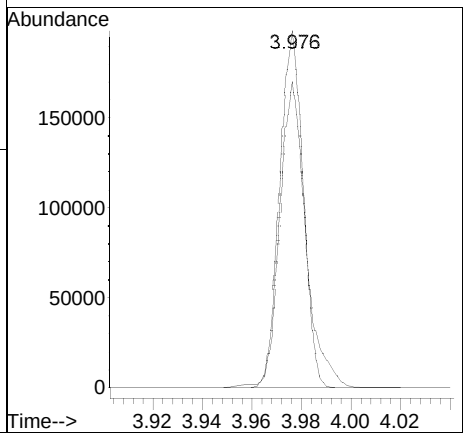


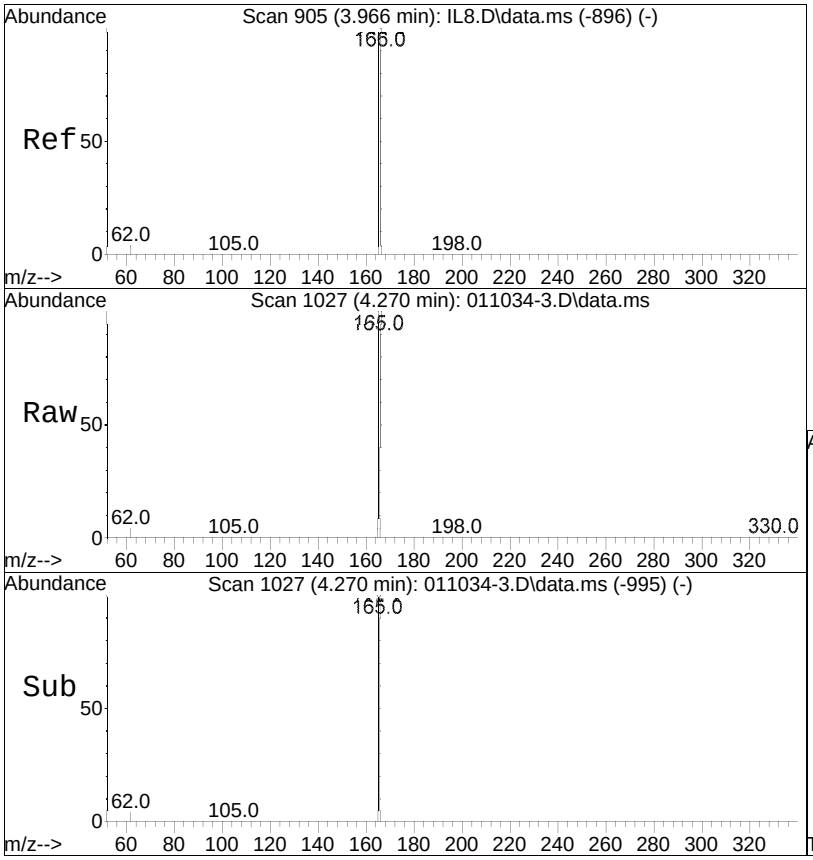


#18
Acenaphthene
Concen: 1486.81 ng/ml
RT: 3.976 min Scan# 923
Delta R.T. -0.001 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:153 Resp: 129382

Ion	Ratio	Lower	Upper
153	100		
154	95.1	69.8	104.6

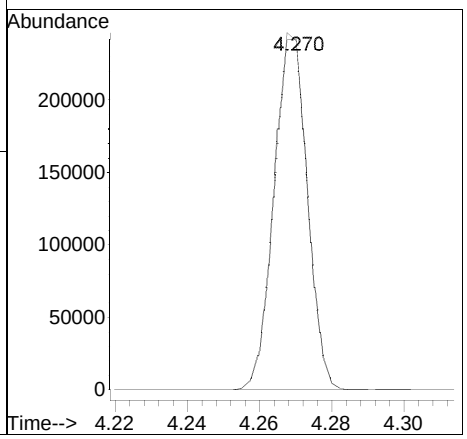


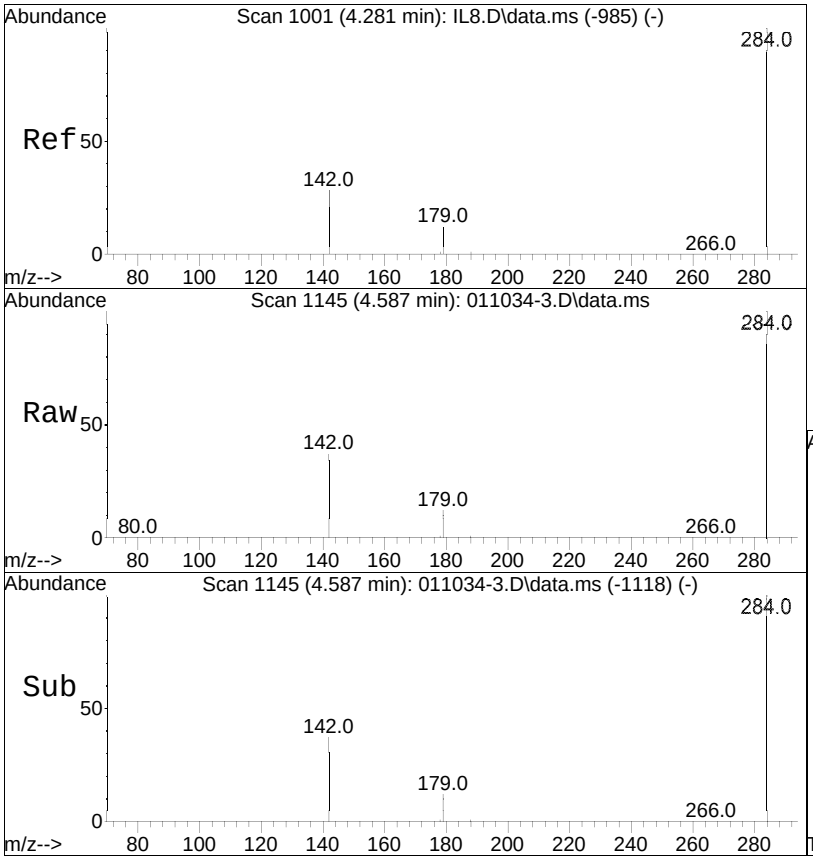


#20
Fluorene
Concen: 1658.72 ng/ml
RT: 4.270 min Scan# 1027
Delta R.T. -0.000 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:166 Resp: 156184

Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.1	120.1

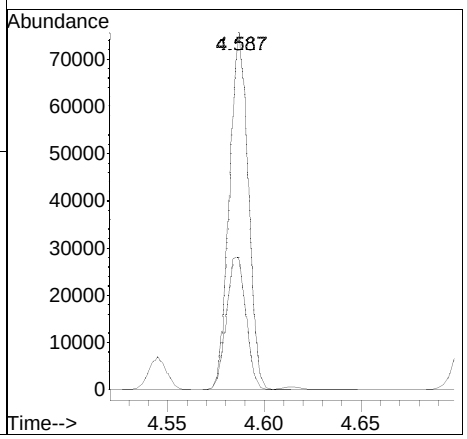


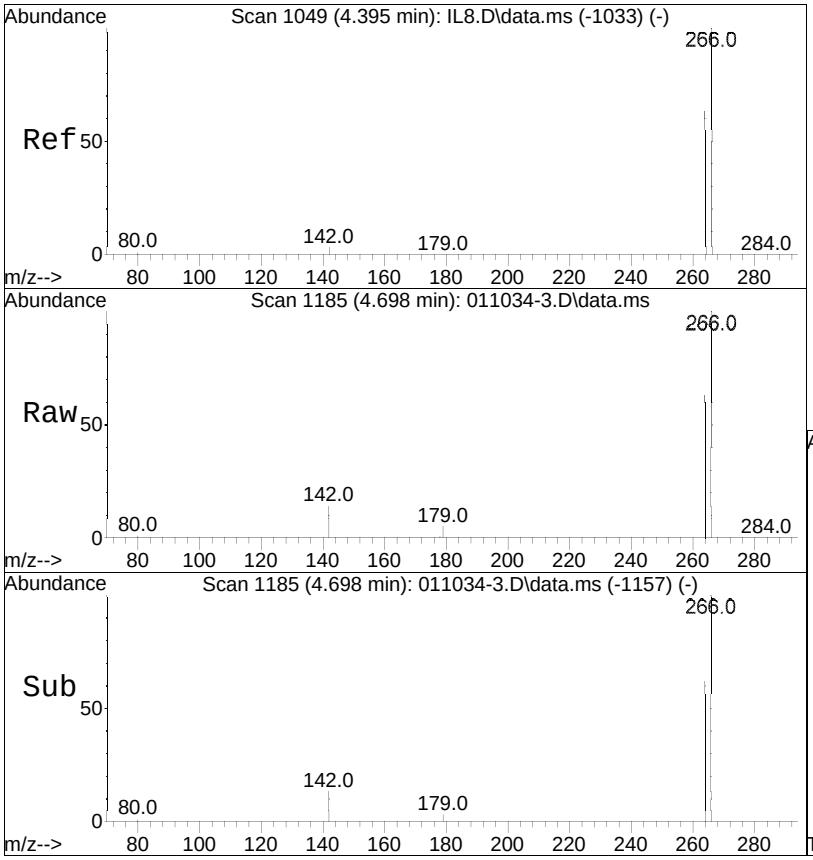


#24
Hexachlorobenzene
Concen: 1730.08 ng/ml
RT: 4.587 min Scan# 1145
Delta R.T. -0.002 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:284 Resp: 50456

Ion	Ratio	Lower	Upper
284	100		
142	38.6	30.2	45.2

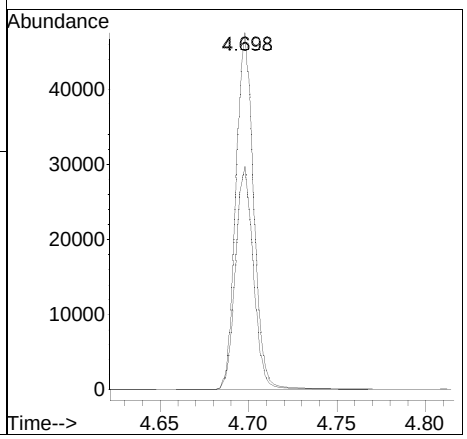


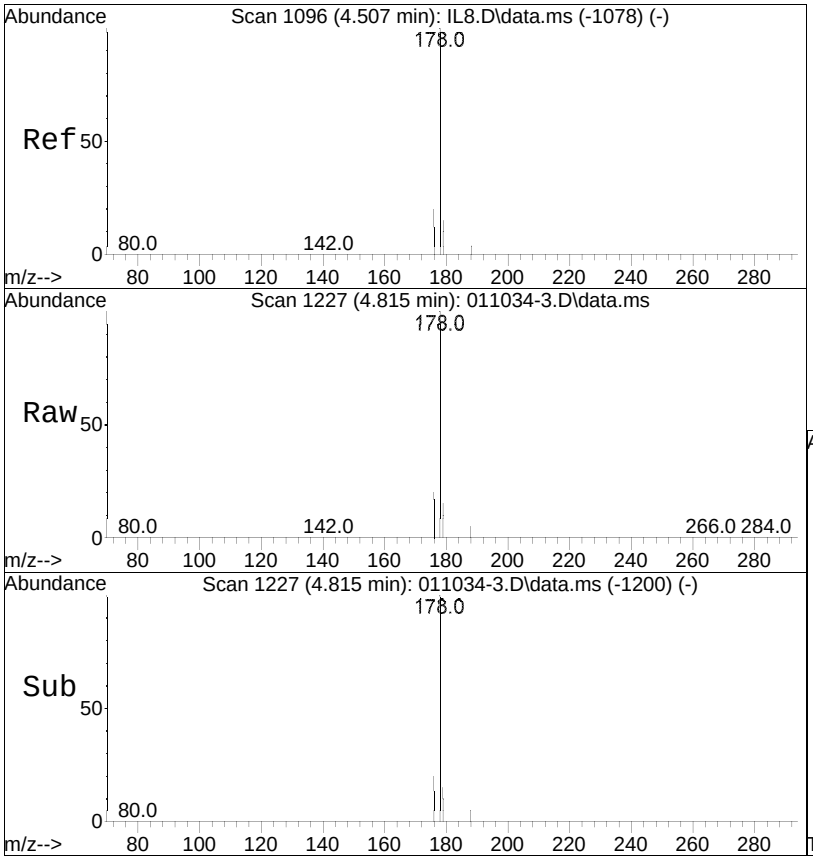


#25
Pentachlorophenol
Concen: 1988.99 ng/ml
RT: 4.698 min Scan# 1185
Delta R.T. -0.002 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:266 Resp: 33205

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.3	75.5

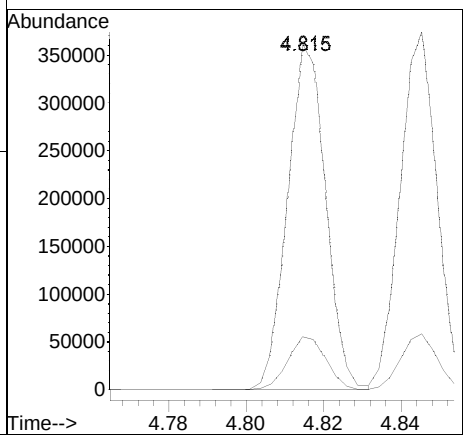


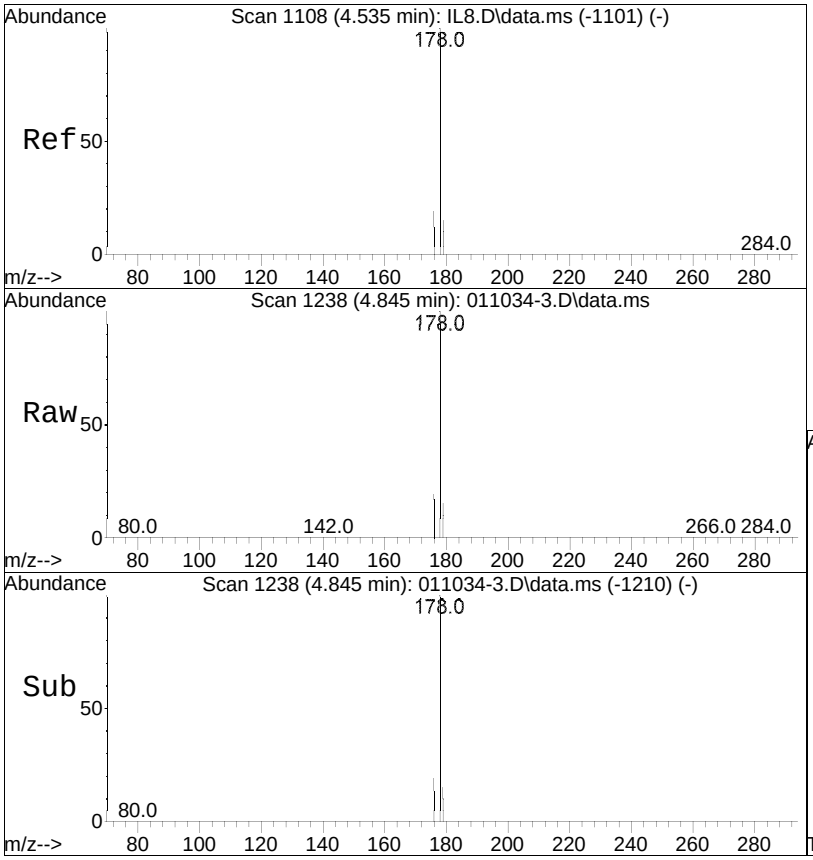


#26
Phenanthrene
Concen: 1876.12 ng/ml
RT: 4.815 min Scan# 1227
Delta R.T. -0.005 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:178 Resp: 246845

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

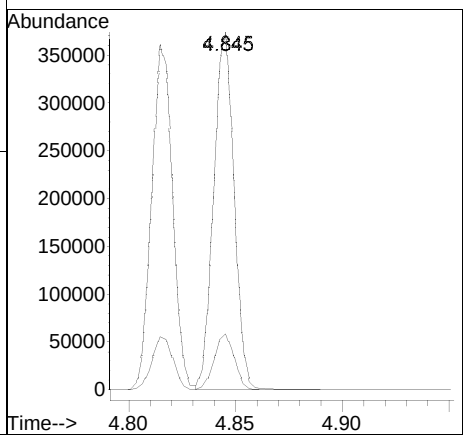


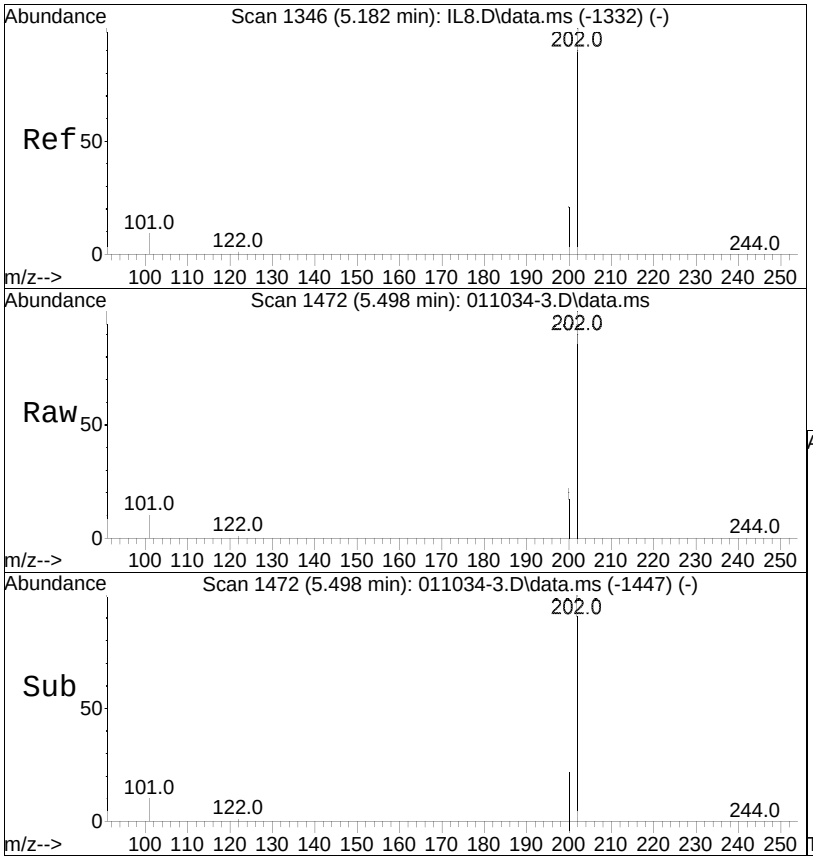


#27
Anthracene
Concen: 1822.57 ng/ml
RT: 4.845 min Scan# 1238
Delta R.T. -0.002 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:178 Resp: 248100

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

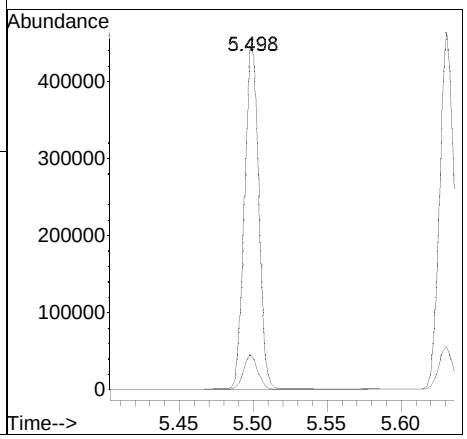


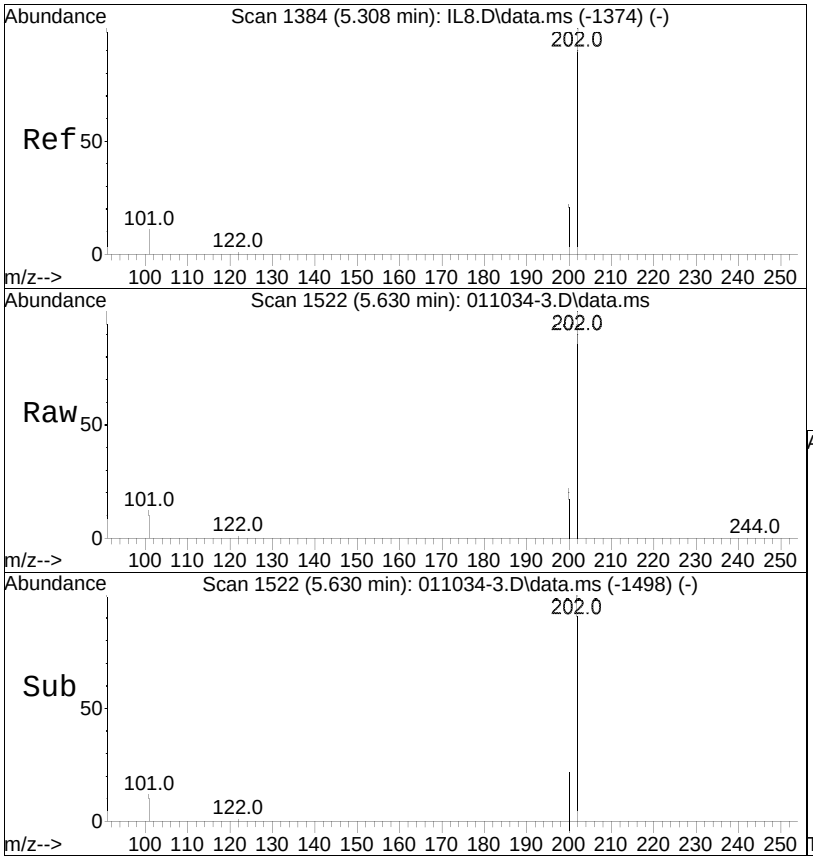


#28
Fluoranthene
Concen: 1996.22 ng/ml
RT: 5.498 min Scan# 1472
Delta R.T. -0.013 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:202 Resp: 302509

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6

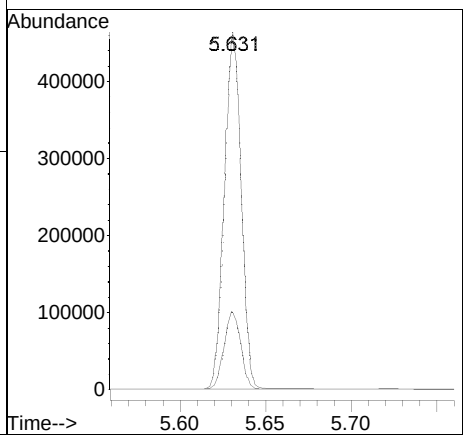


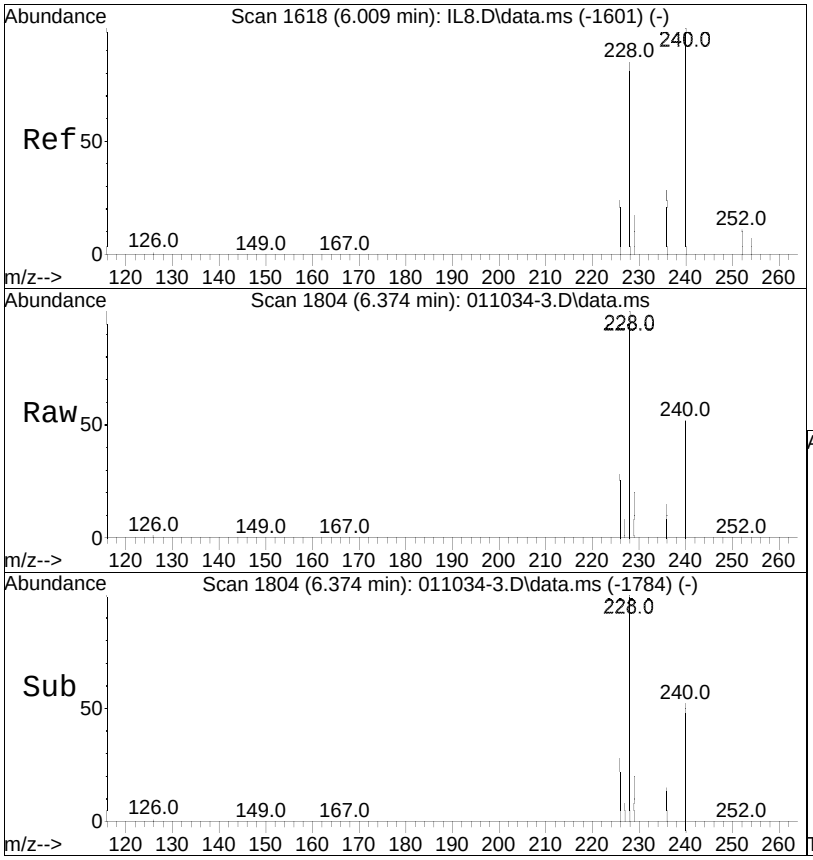


#29
Pyrene
Concen: 1990.48 ng/ml
RT: 5.630 min Scan# 1522
Delta R.T. -0.015 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:202 Resp: 311039

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.5	26.3

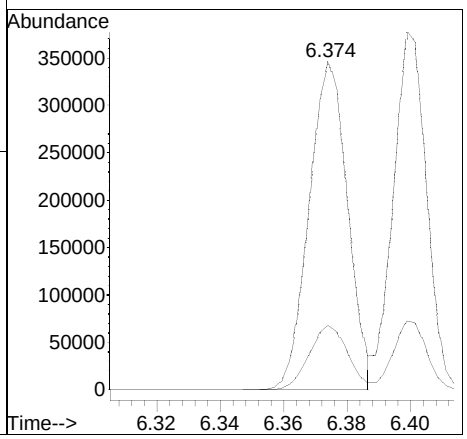


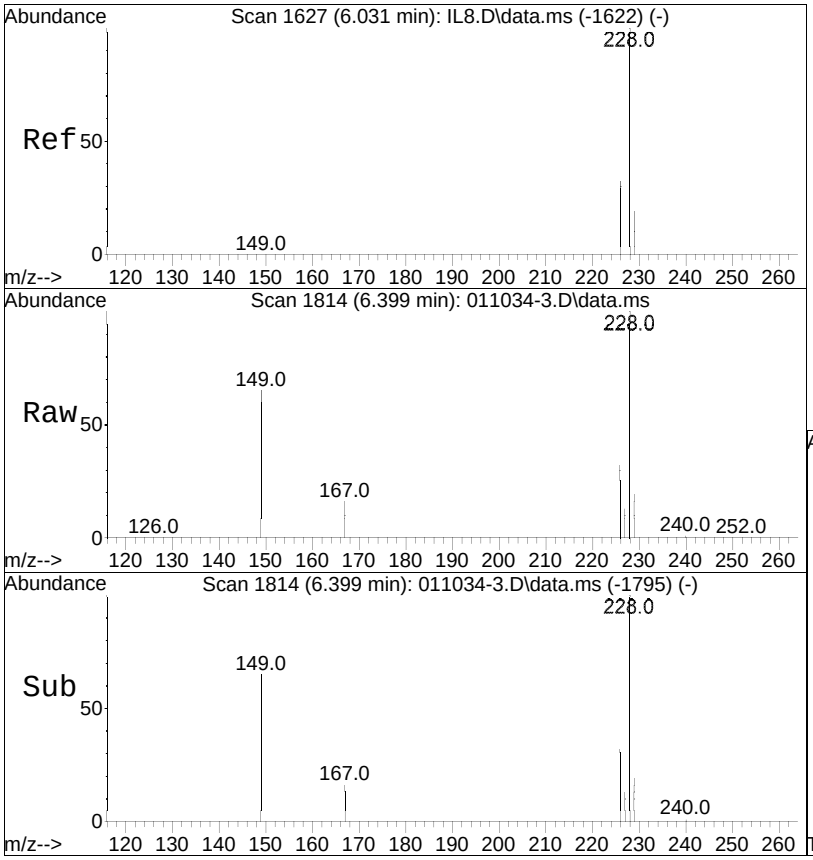


#32
Benzo[a]anthracene
Concen: 1973.23 ng/ml
RT: 6.374 min Scan# 1804
Delta R.T. -0.031 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:228 Resp: 291386

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

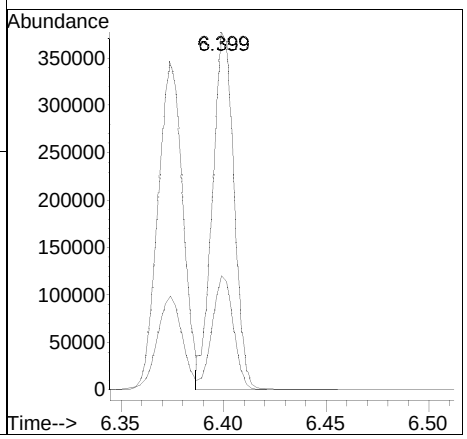


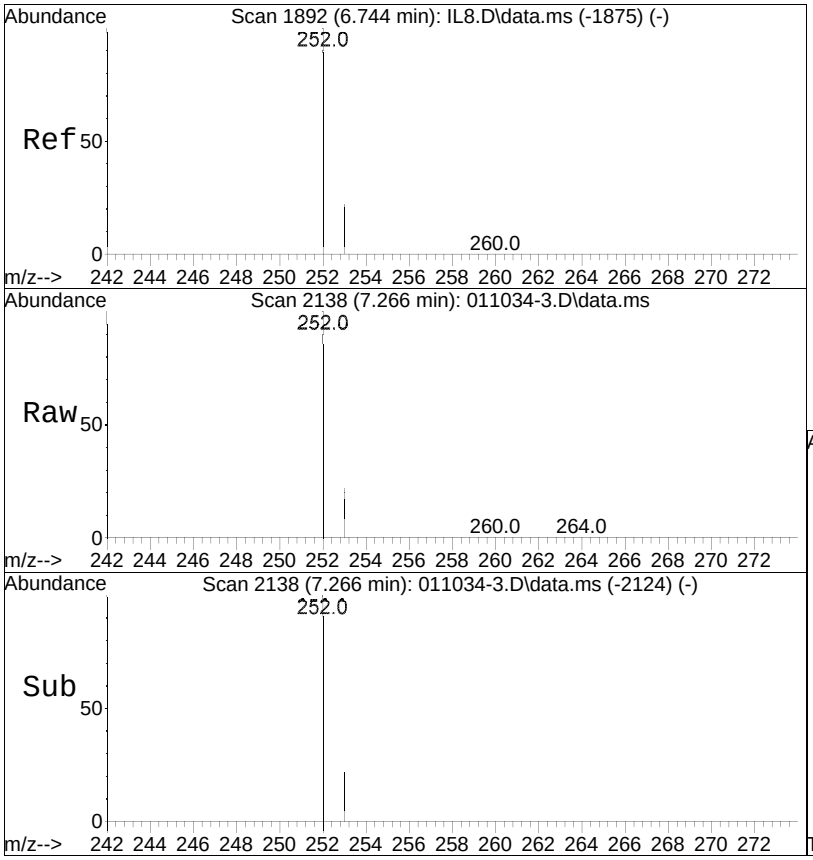


#34
Chrysene
Concen: 2148.54 ng/ml
RT: 6.399 min Scan# 1814
Delta R.T. -0.034 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:228 Resp: 274749

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3

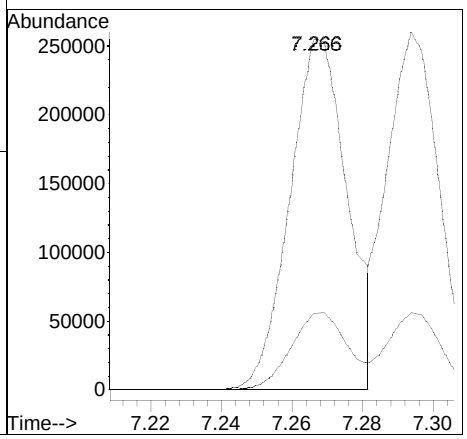


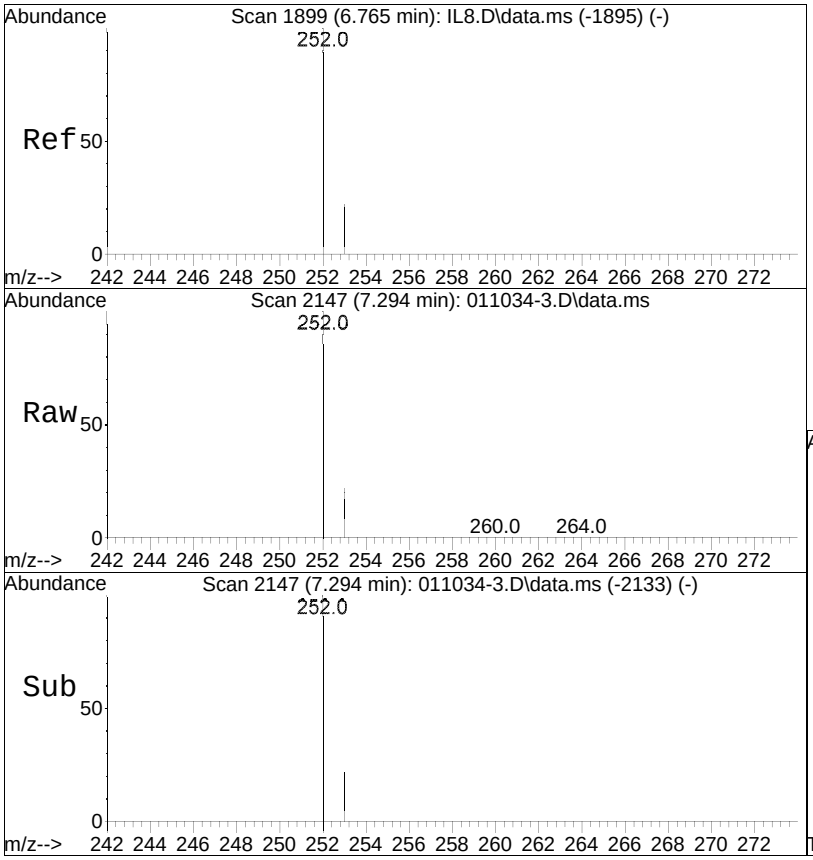


#37
Benzo[b]fluoranthene
Concen: 1992.89 ng/ml
RT: 7.266 min Scan# 2138
Delta R.T. -0.036 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:252 Resp: 291044

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

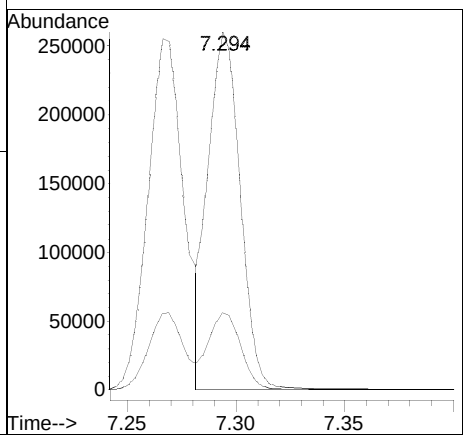


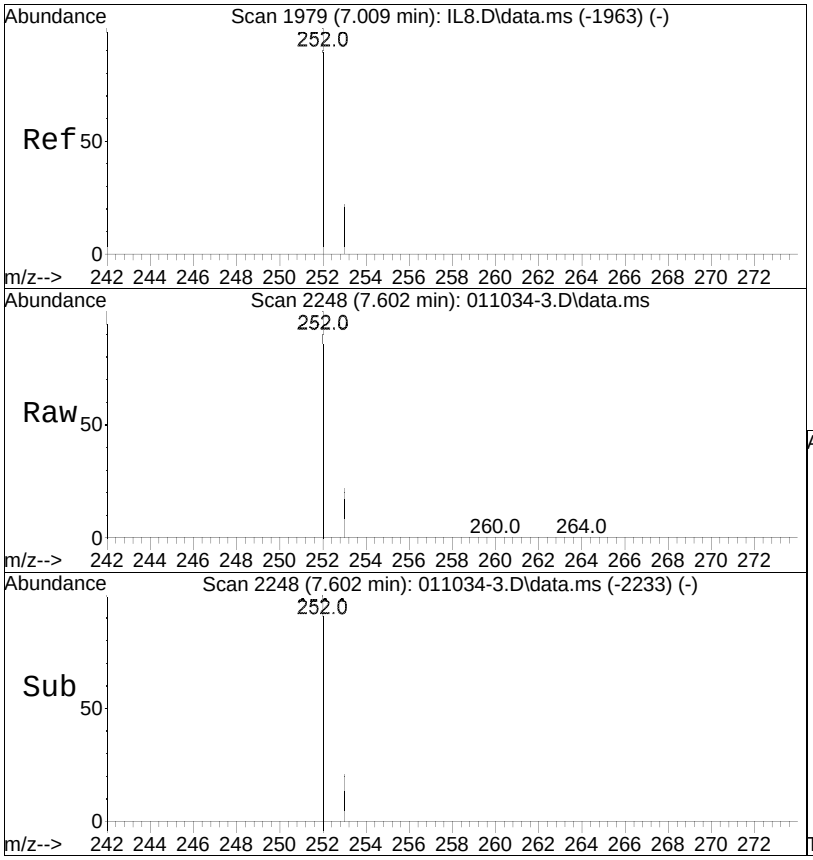


#38
Benzo[k]fluoranthene
Concen: 2024.52 ng/ml
RT: 7.294 min Scan# 2147
Delta R.T. -0.036 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:252 Resp: 265796

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

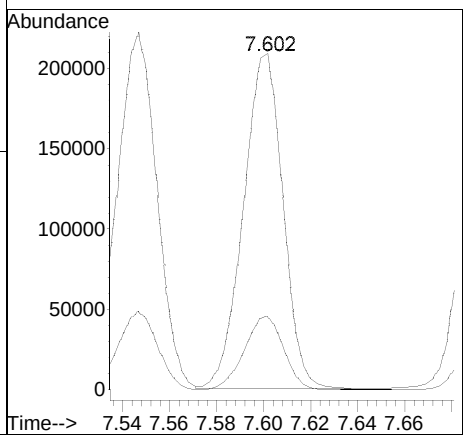


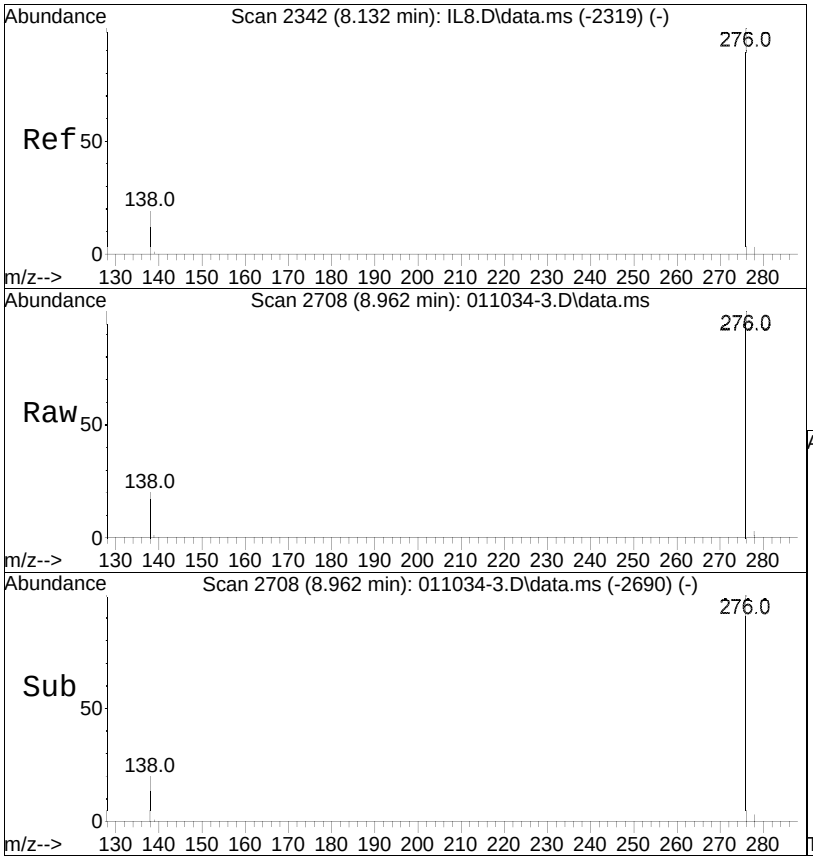


#39
Benzo[a]pyrene
Concen: 2024.75 ng/ml
RT: 7.602 min Scan# 2248
Delta R.T. -0.033 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:252 Resp: 242200

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

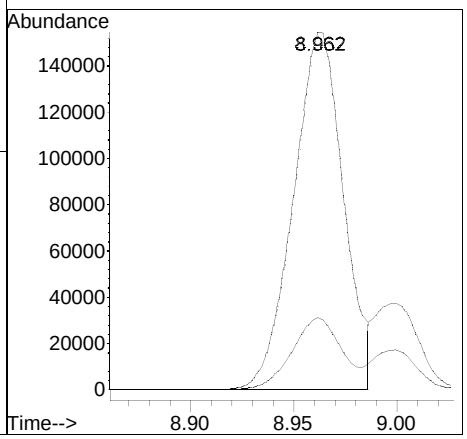


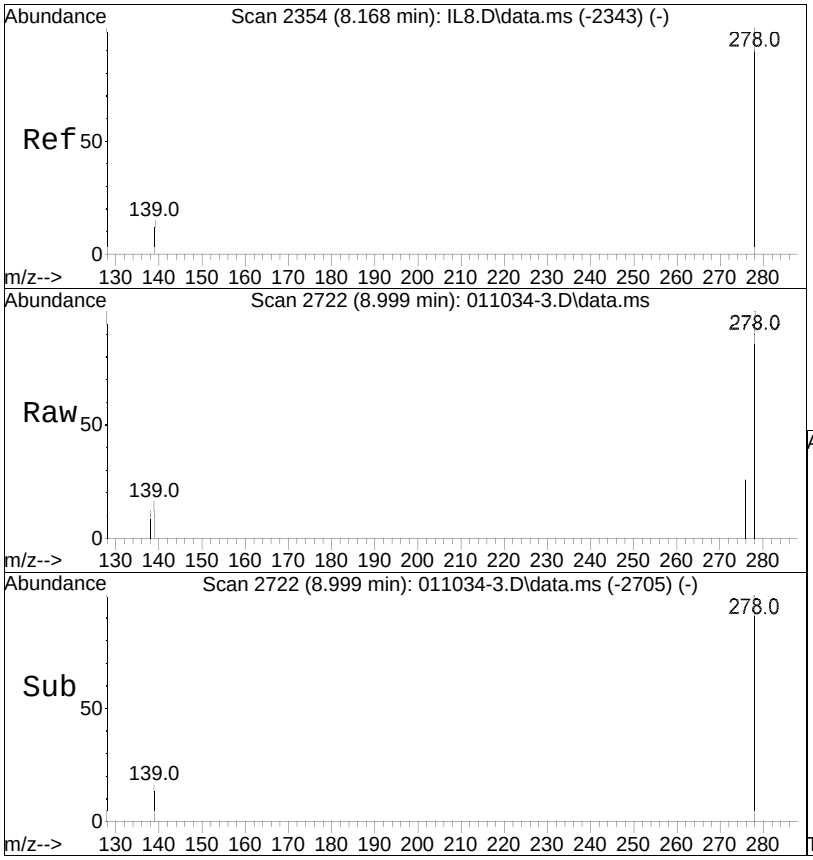


#40
Indeno[1,2,3-cd]pyrene
Concen: 2114.45 ng/ml
RT: 8.962 min Scan# 2708
Delta R.T. -0.032 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:276 Resp: 258631

Ion	Ratio	Lower	Upper
276	100		
138	20.3	15.4	23.0

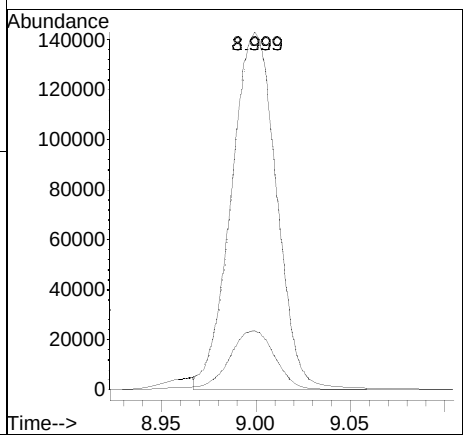


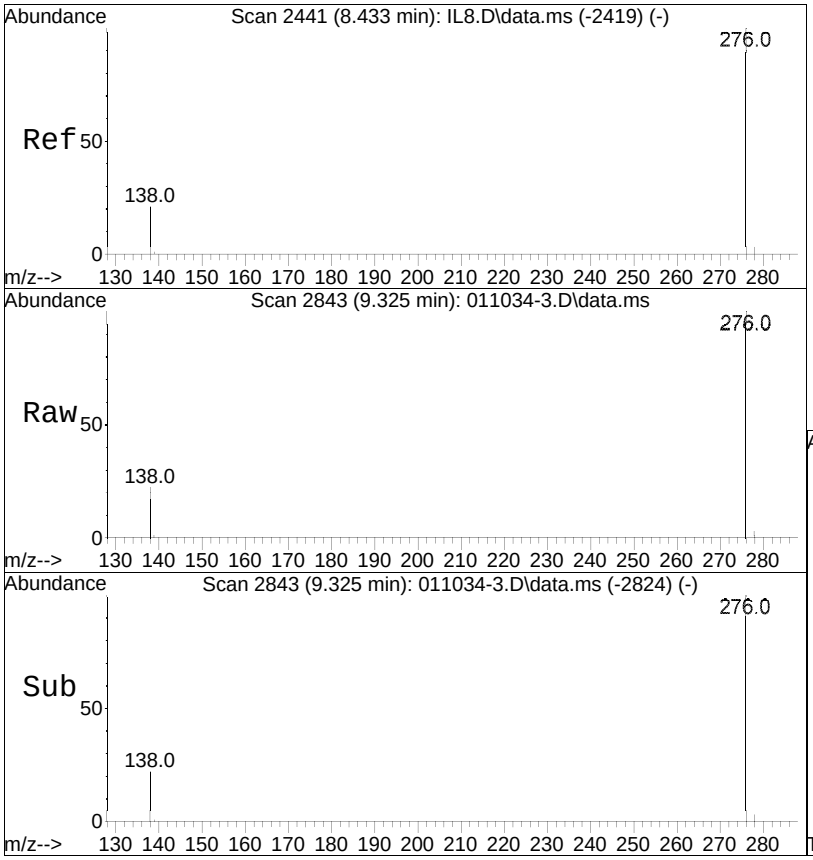


#41
Dibenzo[a,h]anthracene
Concen: 2055.13 ng/ml M6
RT: 8.999 min Scan# 2722
Delta R.T. -0.035 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:278 Resp: 236153

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.0	19.6

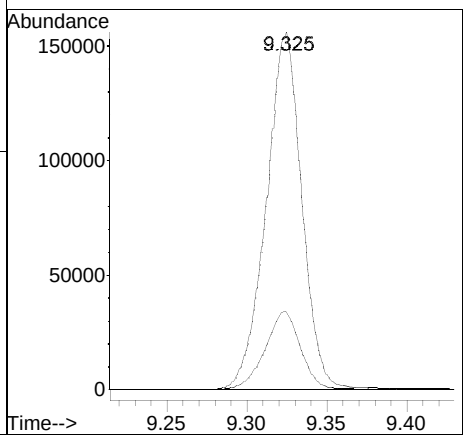




#42
Benzo[g,h,i]perylene
Concen: 2000.91 ng/ml
RT: 9.325 min Scan# 2843
Delta R.T. -0.030 min
Lab File: 011034-3.D
Acq: 19 Dec 2024 11:40 am

Tgt Ion:276 Resp: 237700

Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.6	25.0

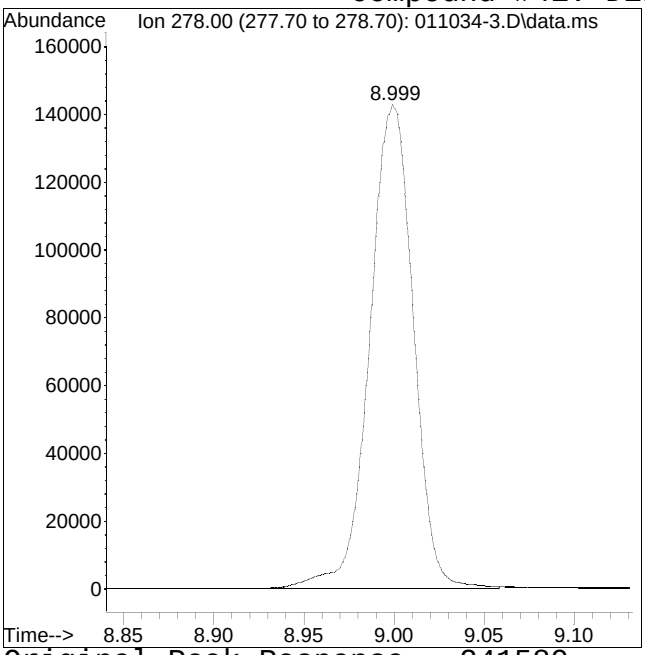


Manual Integration Report

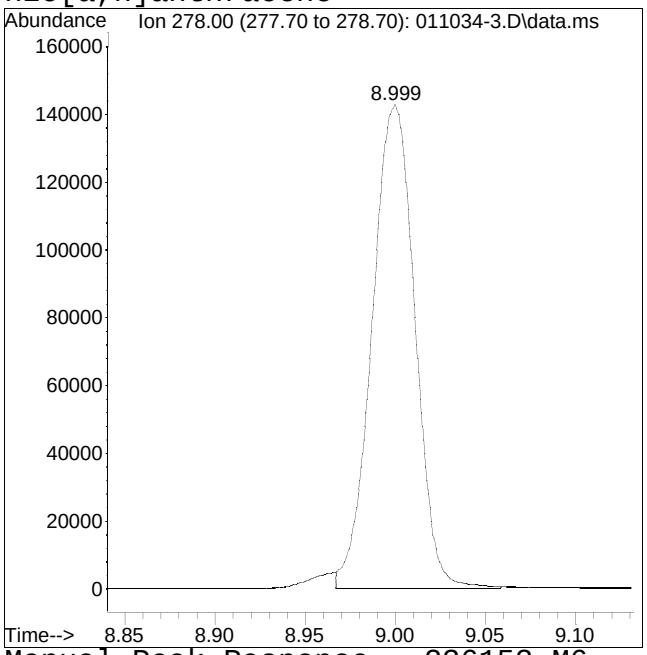
Data Path : I:\8270SIM\sv120\241219RVTQ
Data File : 011034-3.D
Date Inj'd : 12/19/2024 11:40 am
Sample : WG2011034-3,32,,kmh

Method : SIM-RVT_241105_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 12/19/2024 11:53 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 241589



Manual Peak Response = 236153 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 010030-4.D
Acq On : 17 Dec 2024 04:33 pm
Operator : SV118:jjw
Sample : WG2010030-4,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 18 15:11:49 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.221	152	204899	4000.000	ng/ml	0.00
Standard Area 1 = 250918			Recovery = 81.66%			
8) Naphthalene-d8	2.893	136	847810	4000.000	ng/ml	0.00
Standard Area 1 = 972756			Recovery = 87.16%			
17) Acenaphthene-d10	3.875	164	556817	4000.000	ng/ml	0.00
Standard Area 1 = 669454			Recovery = 83.17%			
22) Phenanthrene-d10	4.717	188	1097248	4000.000	ng/ml	0.00
Standard Area 1 = 1340658			Recovery = 81.84%			
31) Chrysene-d12	6.259	240	917096	4000.000	ng/ml	-0.02
Standard Area 1 = 1212919			Recovery = 75.61%			
36) Perylene-d12	7.464	264	793941	4000.000	ng/ml	-0.02
Standard Area 1 = 1219101			Recovery = 65.13%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.637	112	75420	1301.888	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 65.09%			
3) Phenol-d6	2.040	99	65850	925.043	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.25%			
7) Nitrobenzene-d5	2.506	82	61608	1340.510	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 134.05%#			
13) 2-Fluorobiphenyl	3.494	172	163145	1000.797	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.08%			
21) 2,4,6-Tribromophenol	4.324	330	65714	2561.188	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 128.06%#			
30) 4-Terphenyl-d14	5.627	244	216872	966.002	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.60%			
Target Compounds						Qvalue
6) Hexachloroethane	2.480	117	32957	1282.004	ng/ml	85
9) Naphthalene	2.901	128	316783	1419.425	ng/ml	100
10) Hexachlorobutadiene	2.976	225	44221	1116.375	ng/ml	100
11) 2-Methylnaphthalene	3.286	142	260676	1823.561	ng/ml	100
14) 2-Chloronaphthalene	3.559	162	274086	1910.378	ng/ml#	81
16) Acenaphthylene	3.793	152	443850	2089.775	ng/ml	99
18) Acenaphthene	3.893	153	308983	1697.448	ng/ml	100
20) Fluorene	4.181	166	361661	1864.914	ng/ml	100
24) Hexachlorobenzene	4.500	284	135396	1874.236	ng/ml	98
25) Pentachlorophenol	4.616	266	68819	2561.128	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 010030-4.D
Acq On : 17 Dec 2024 04:33 pm
Operator : SV118:jjw
Sample : WG2010030-4,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 18 15:11:49 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.729	178	547123	1836.797	ng/ml	100
27) Anthracene	4.756	178	569671	1948.795	ng/ml	99
28) Fluoranthene	5.406	202	638243	1914.168	ng/ml#	93
29) Pyrene	5.537	202	654876	1848.913	ng/ml	100
32) Benzo[a]anthracene	6.251	226	169145	1883.297	ng/ml#	97
34) Chrysene	6.274	228	550165	1988.656	ng/ml#	99
37) Benzo[b]fluoranthene	7.091	252	450173	2199.288	ng/ml	99
38) Benzo[k]fluoranthene	7.115	252	434262	2000.966	ng/ml	100
39) Benzo[a]pyrene	7.402	252	409910	2266.723	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.687	276	413616	2453.364	ng/ml#	77
41) Dibenzo[a,h]anthracene	8.723	278	394907M6	2301.072	ng/ml	
42) Benzo[g,h,i]perylene	9.034	276	459920M3	2602.377	ng/ml	

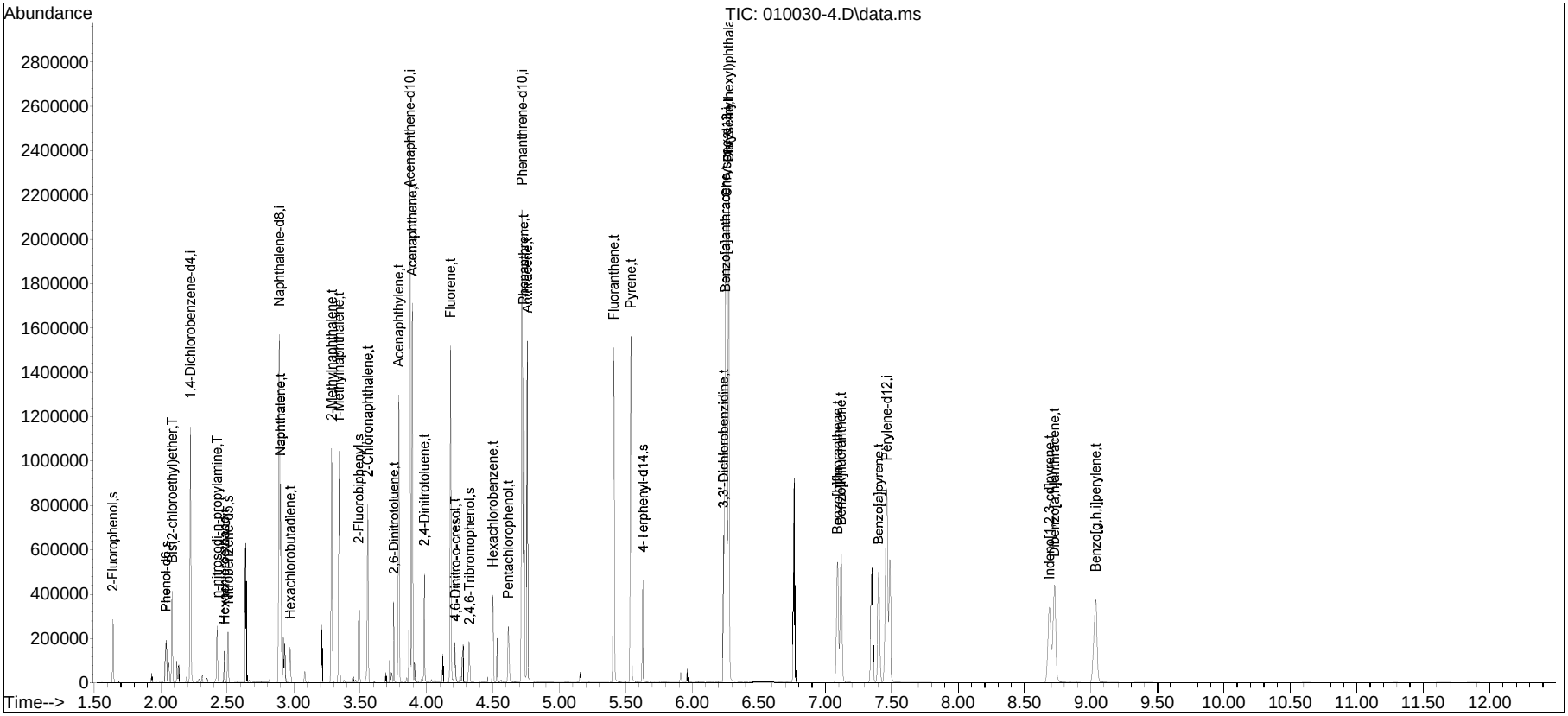
(#) = qualifier out of range (m) = manual integration (+) = signals summed

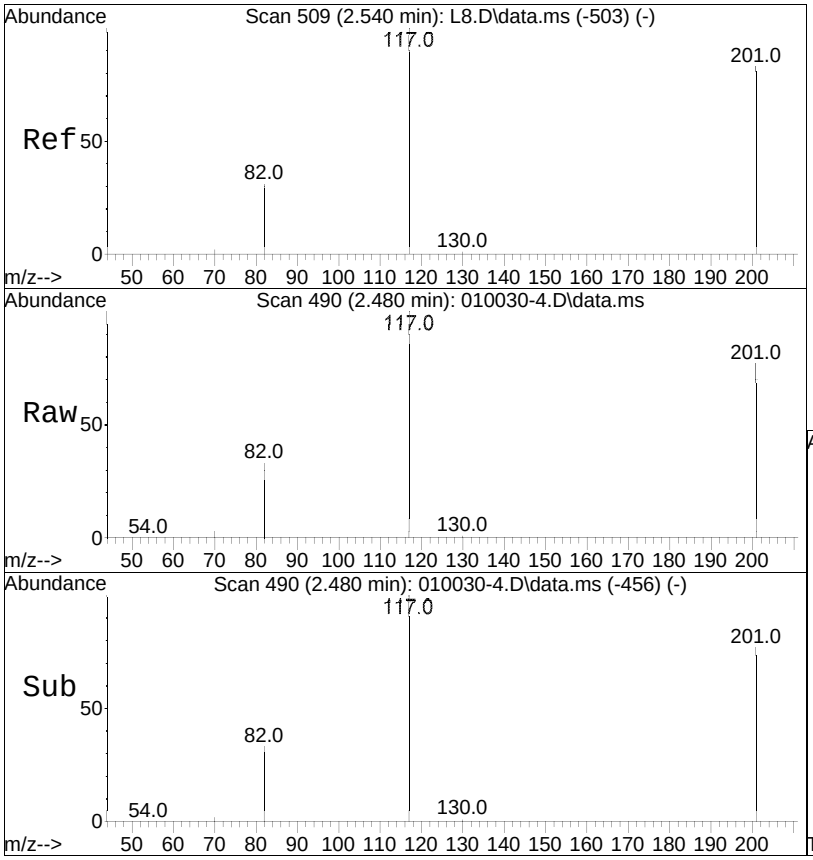
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 010030-4.D
Acq On : 17 Dec 2024 04:33 pm
Operator : SV118:jjw
Sample : WG2010030-4,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 18 15:11:49 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1217a.D•

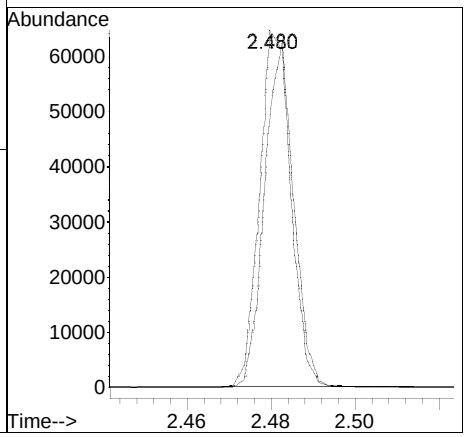


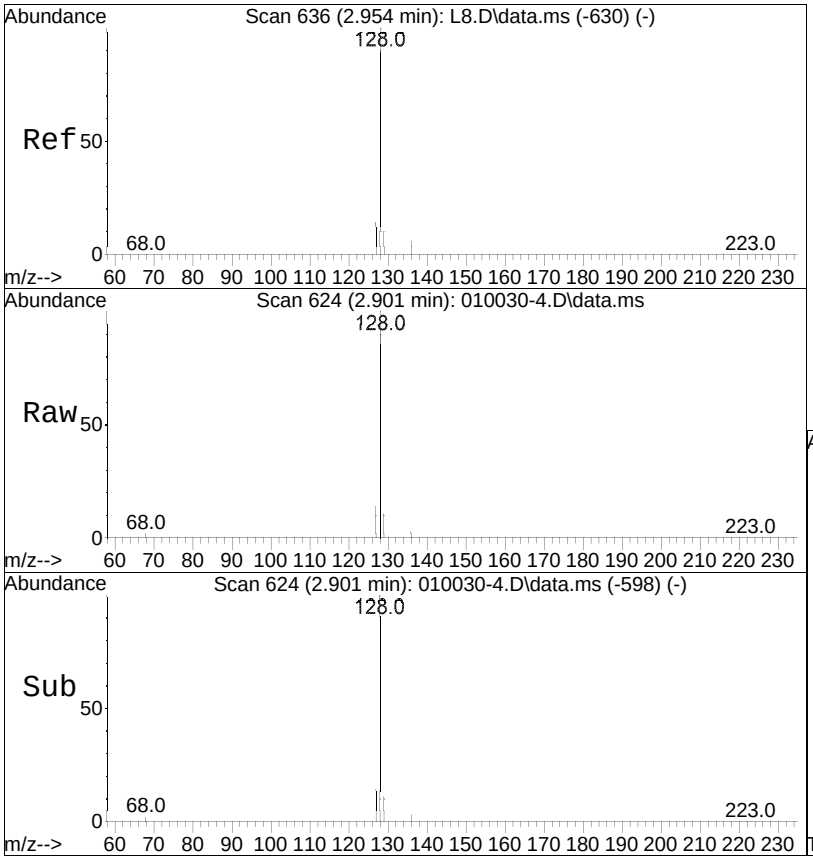


#6
Hexachloroethane
Concen: 1282.00 ng/ml
RT: 2.480 min Scan# 490
Delta R.T. 0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:117 Resp: 32957

Ion	Ratio	Lower	Upper
117	100		
201	90.8	84.9	127.3

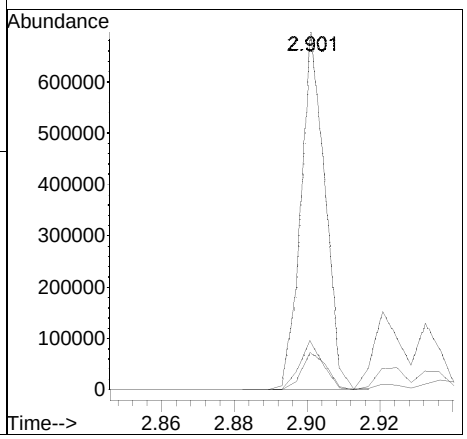


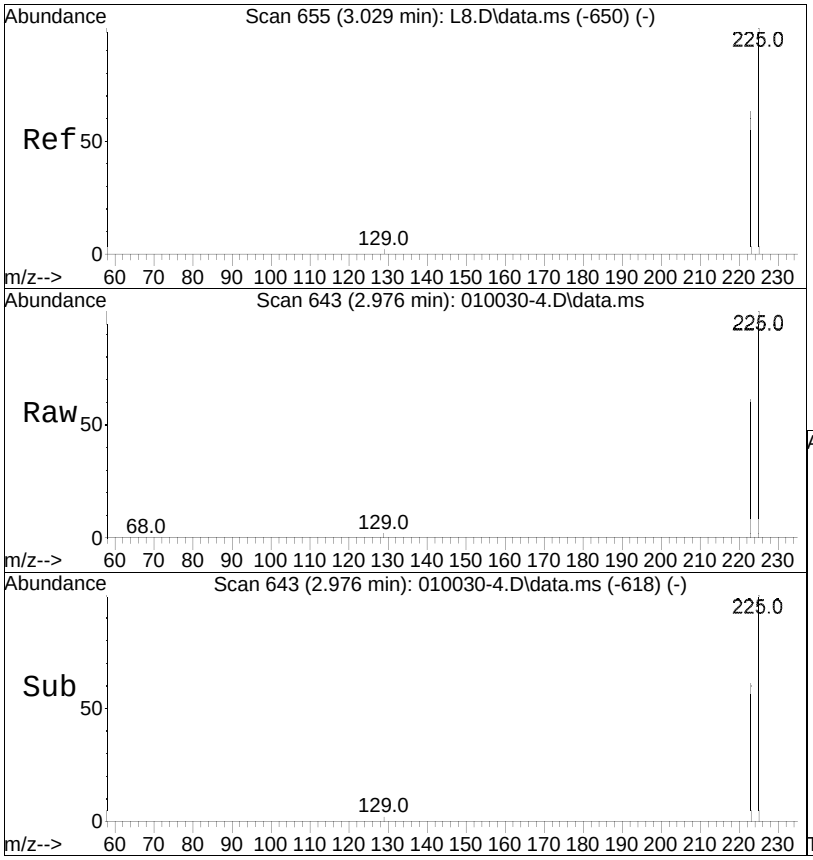


#9
Naphthalene
Concen: 1419.43 ng/ml
RT: 2.901 min Scan# 624
Delta R.T. 0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:128 Resp: 316783

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.5	10.7	16.1

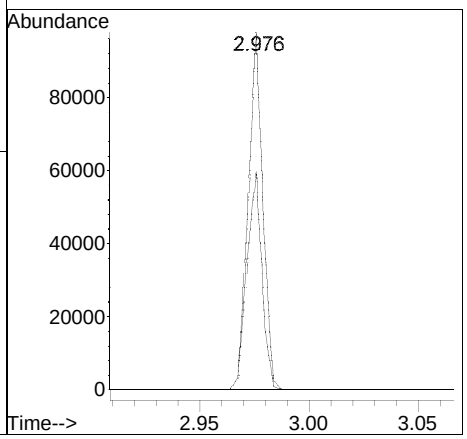


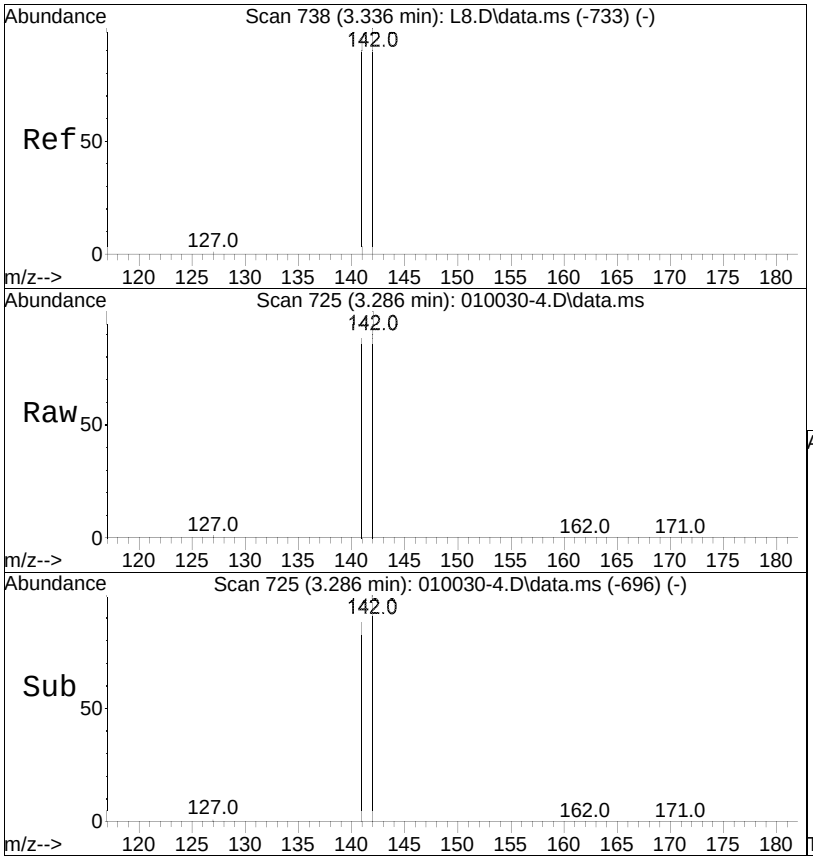


#10
Hexachlorobutadiene
Concen: 1116.38 ng/ml
RT: 2.976 min Scan# 643
Delta R.T. 0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:225 Resp: 44221

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6

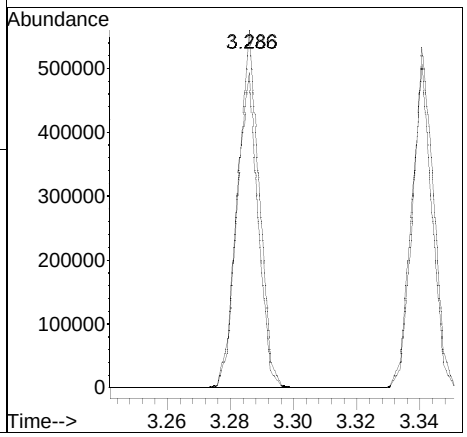


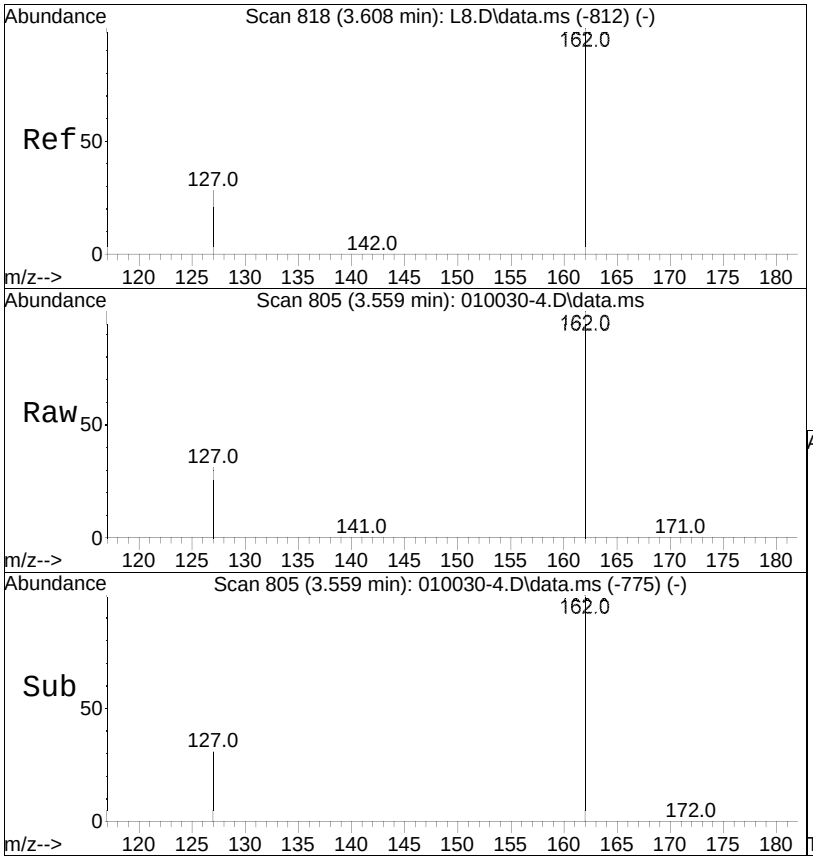


#11
2-Methylnaphthalene
Concen: 1823.56 ng/ml
RT: 3.286 min Scan# 725
Delta R.T. 0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:142 Resp: 260676

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.8	107.8

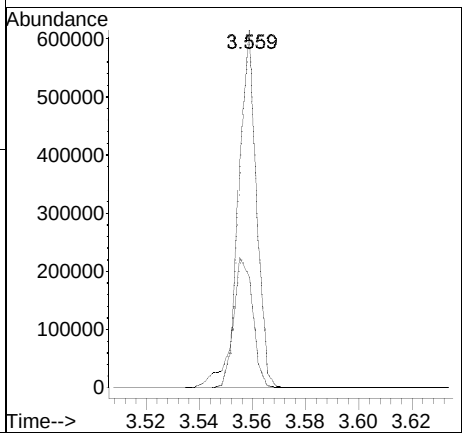


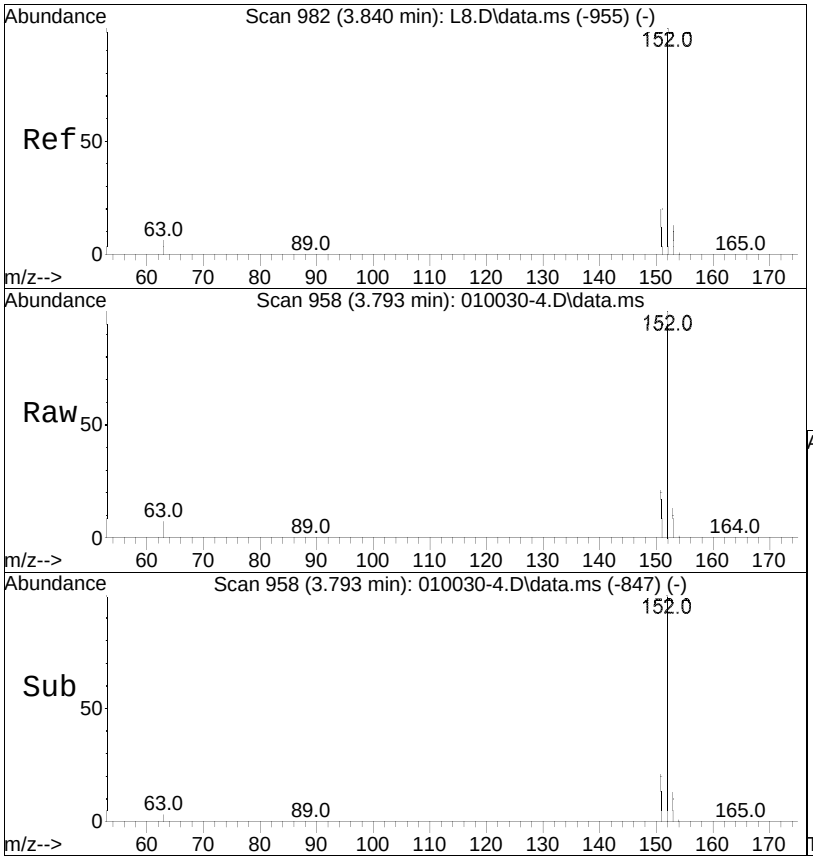


#14
2-Chloronaphthalene
Concen: 1910.38 ng/ml
RT: 3.559 min Scan# 805
Delta R.T. 0.003 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:162 Resp: 274086

Ion	Ratio	Lower	Upper
162	100		
127	44.2	26.9	40.3#

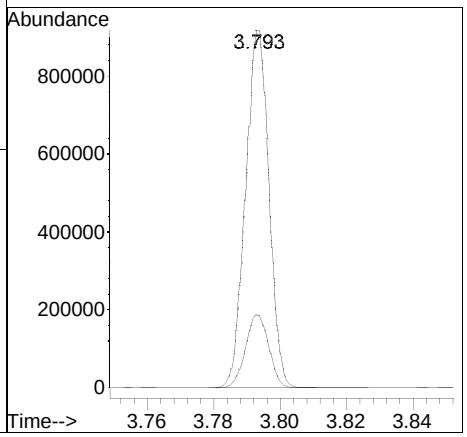


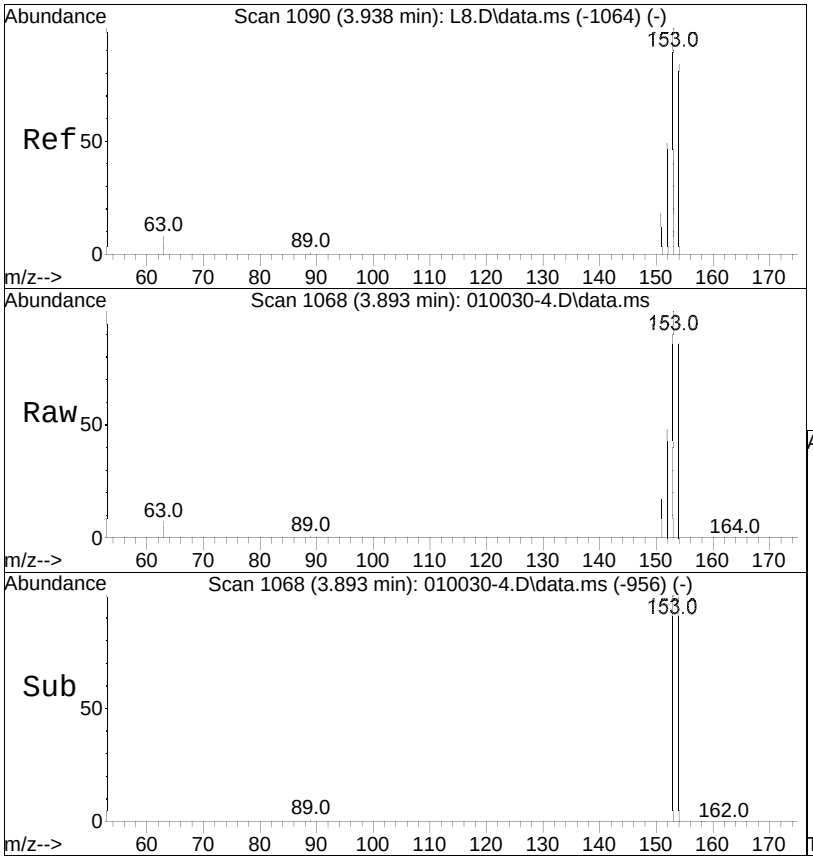


#16
Acenaphthylene
Concen: 2089.78 ng/ml
RT: 3.793 min Scan# 958
Delta R.T. 0.001 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:152 Resp: 443850

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2

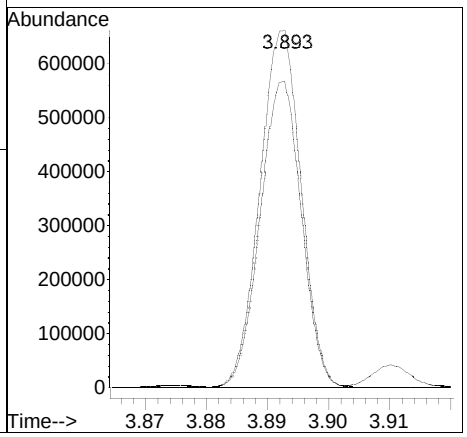


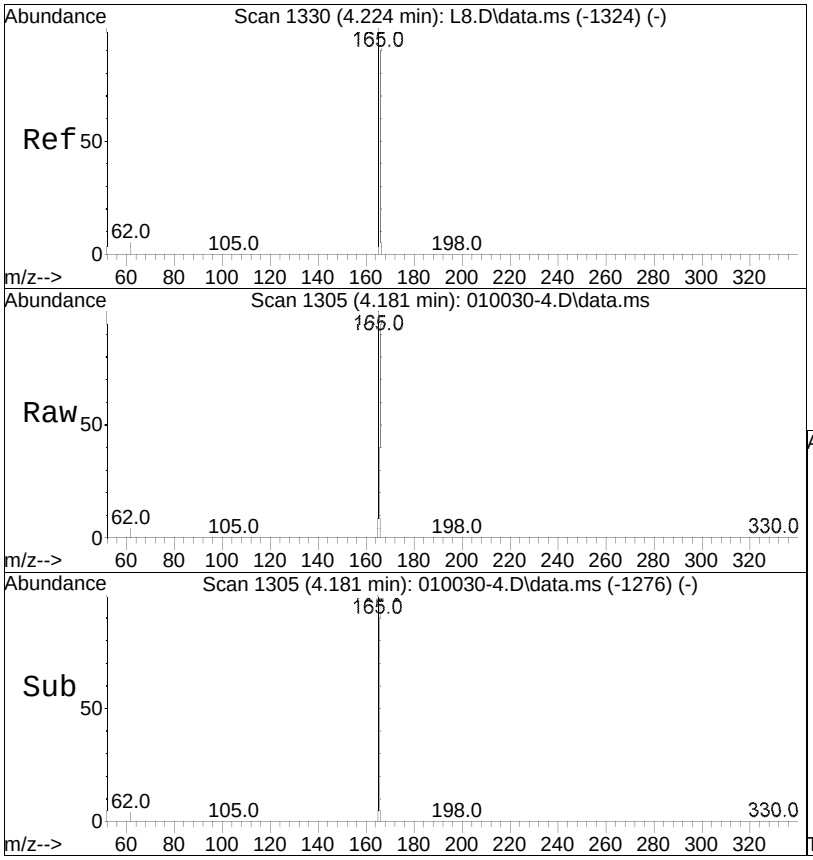


#18
Acenaphthene
Concen: 1697.45 ng/ml
RT: 3.893 min Scan# 1068
Delta R.T. 0.002 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:153 Resp: 308983

Ion	Ratio	Lower	Upper
153	100		
154	85.4	68.2	102.4

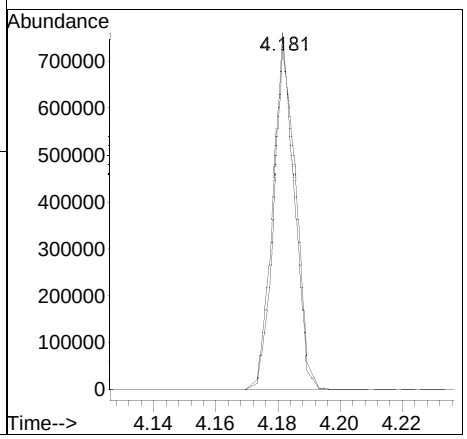


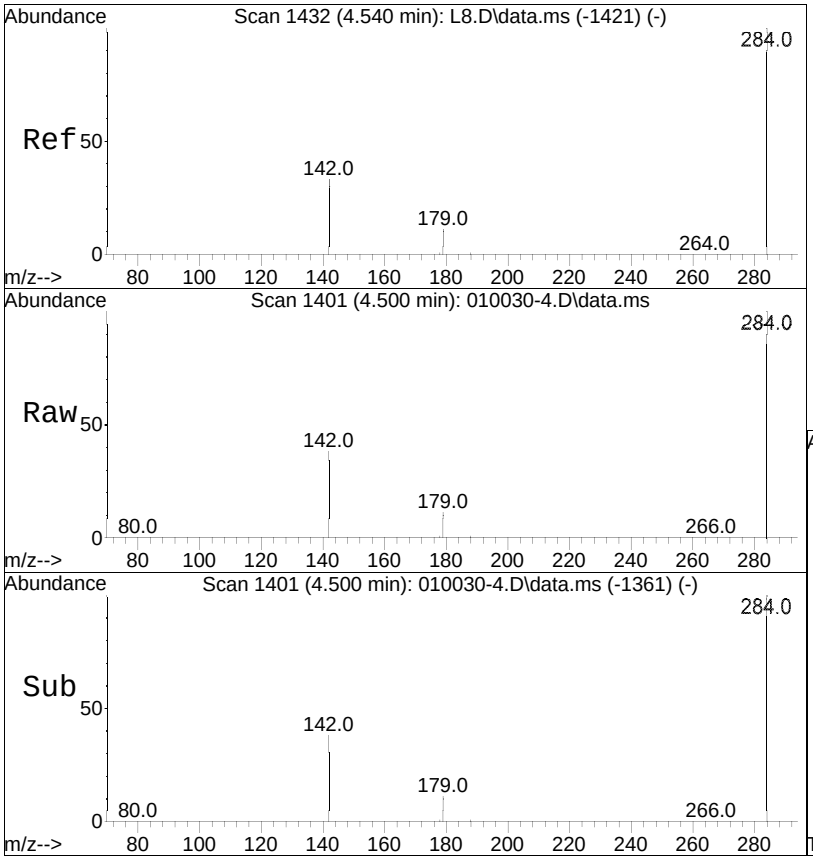


#20
Fluorene
Concen: 1864.91 ng/ml
RT: 4.181 min Scan# 1305
Delta R.T. -0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:166 Resp: 361661

Ion	Ratio	Lower	Upper
166	100		
165	100.5	80.5	120.7

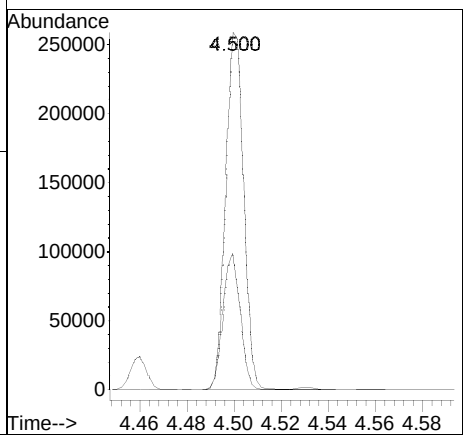


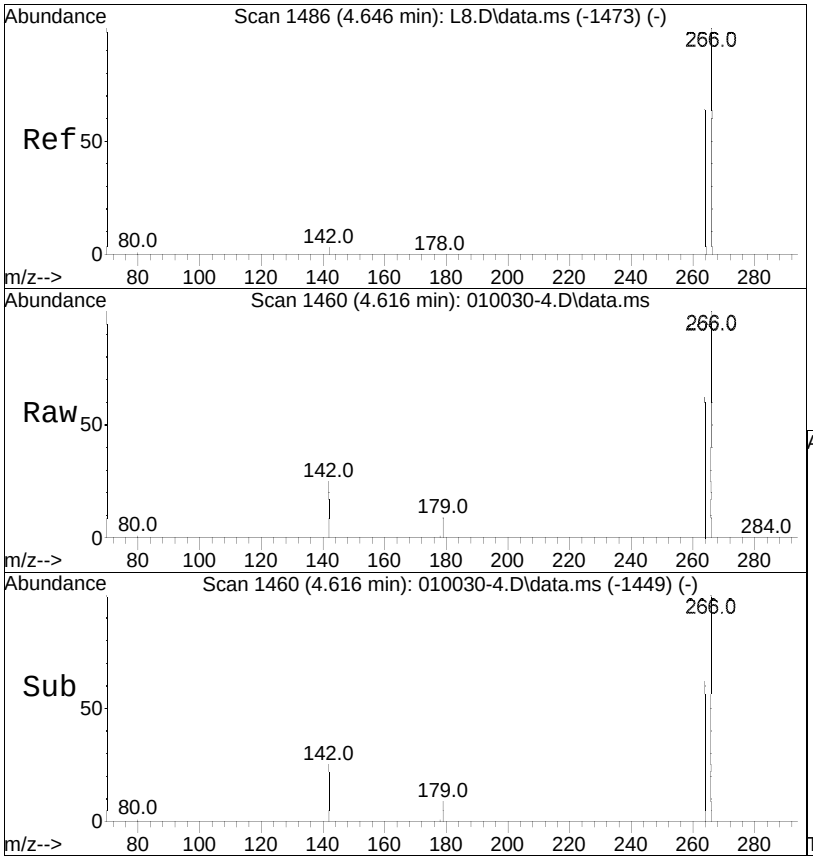


#24
Hexachlorobenzene
Concen: 1874.24 ng/ml
RT: 4.500 min Scan# 1401
Delta R.T. -0.002 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:284 Resp: 135396

Ion	Ratio	Lower	Upper
284	100		
142	36.8	28.4	42.6

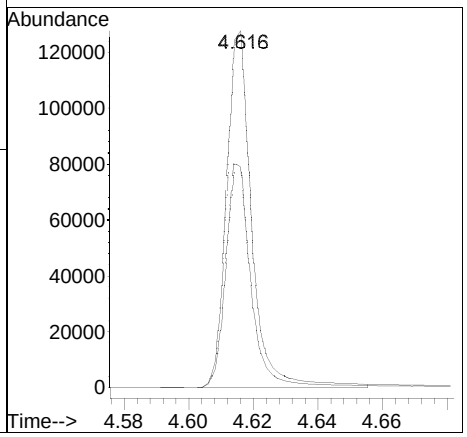


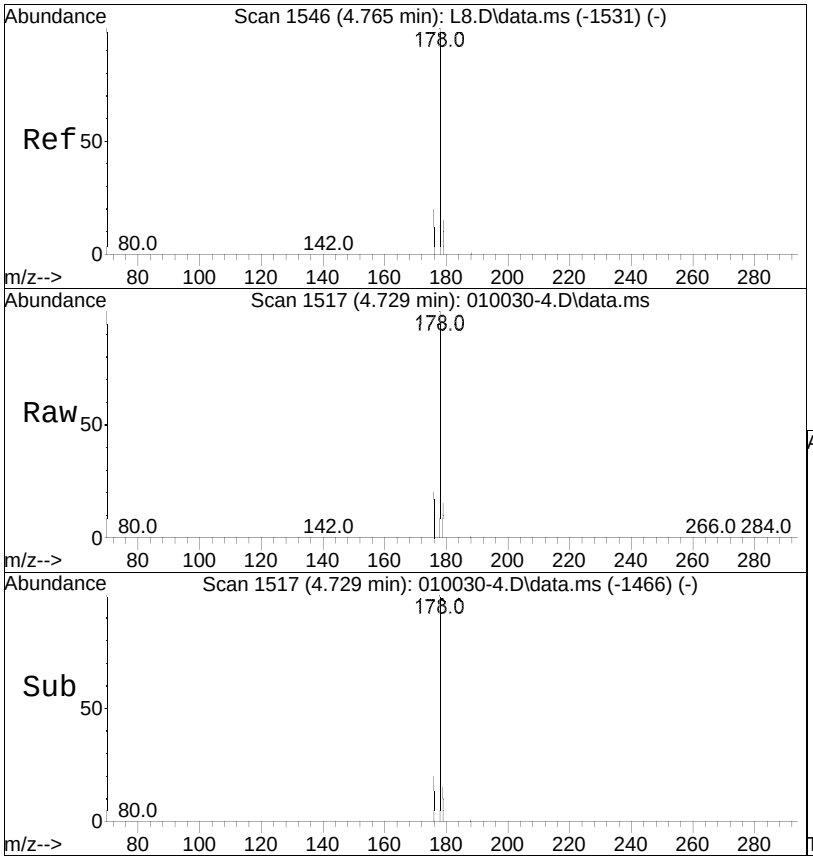


#25
Pentachlorophenol
Concen: 2561.13 ng/ml
RT: 4.616 min Scan# 1460
Delta R.T. 0.002 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:266 Resp: 68819

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.6	76.0

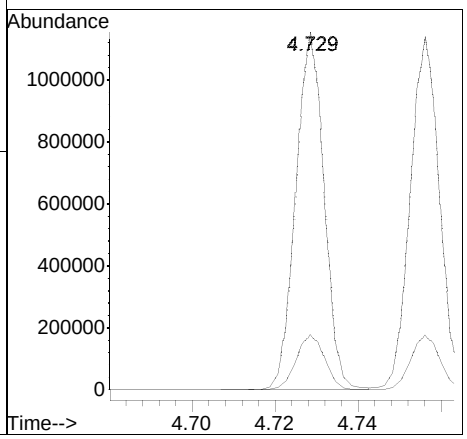


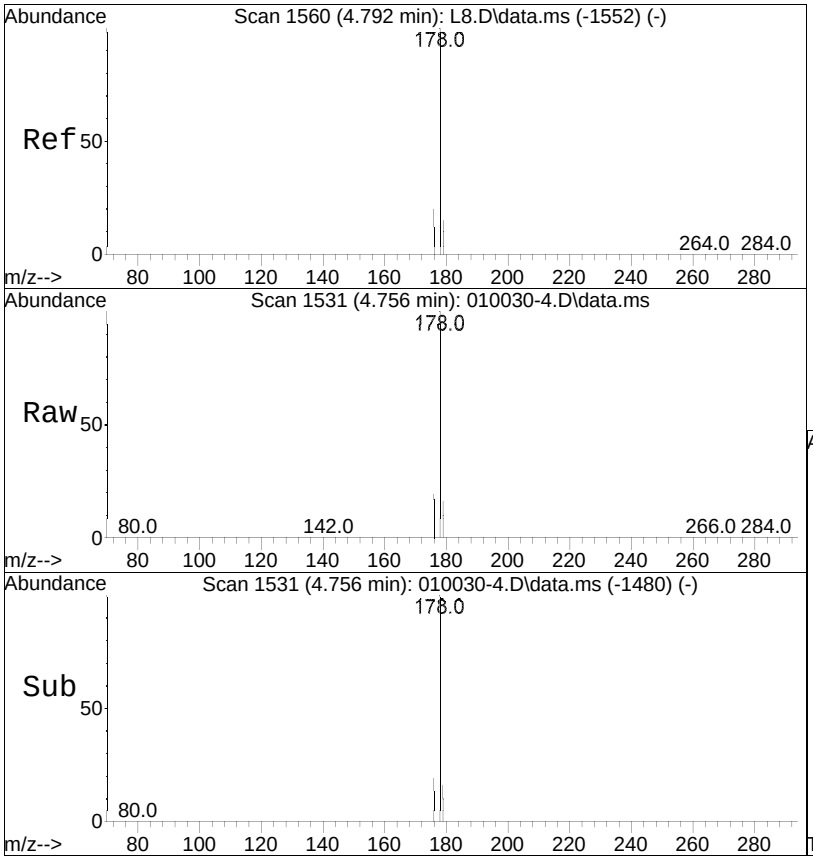


#26
Phenanthrene
Concen: 1836.80 ng/ml
RT: 4.729 min Scan# 1517
Delta R.T. -0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:178 Resp: 547123

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

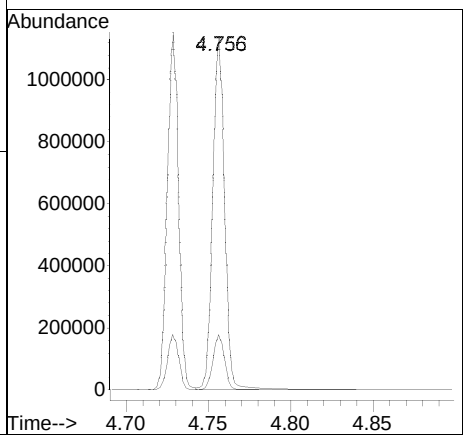


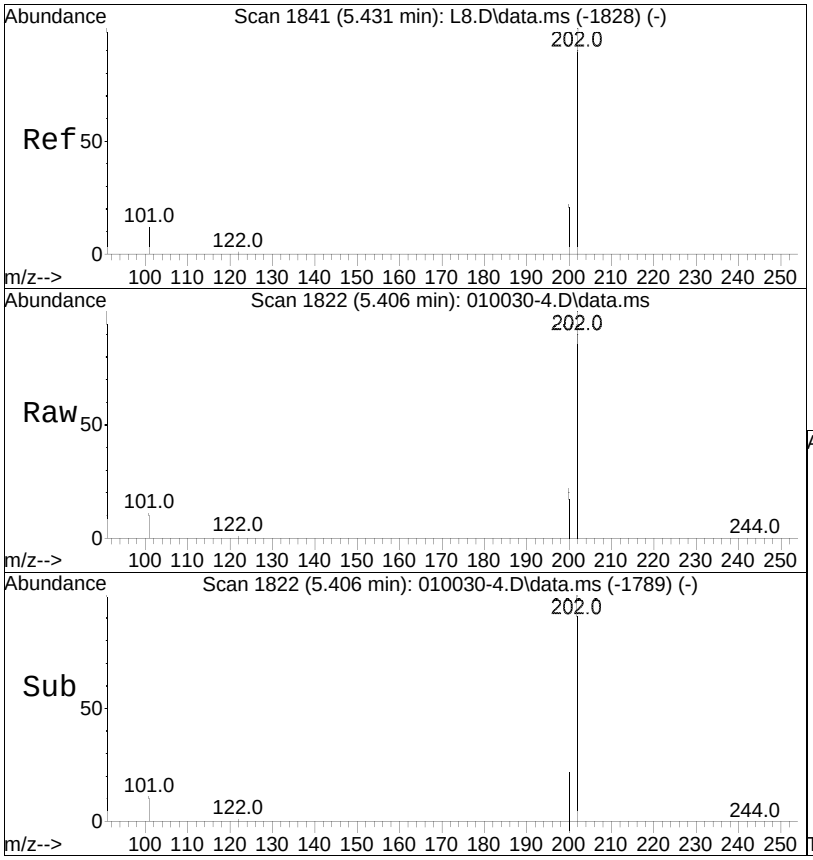


#27
Anthracene
Concen: 1948.80 ng/ml
RT: 4.756 min Scan# 1531
Delta R.T. -0.000 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:178 Resp: 569671

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.5	18.7

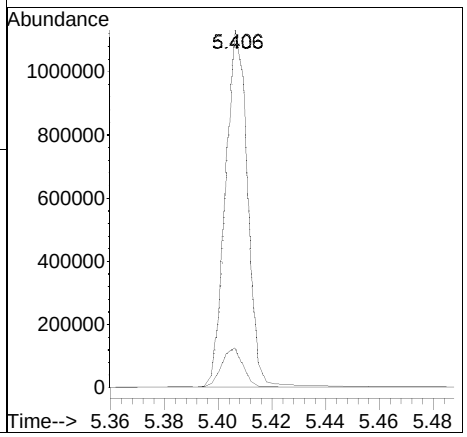


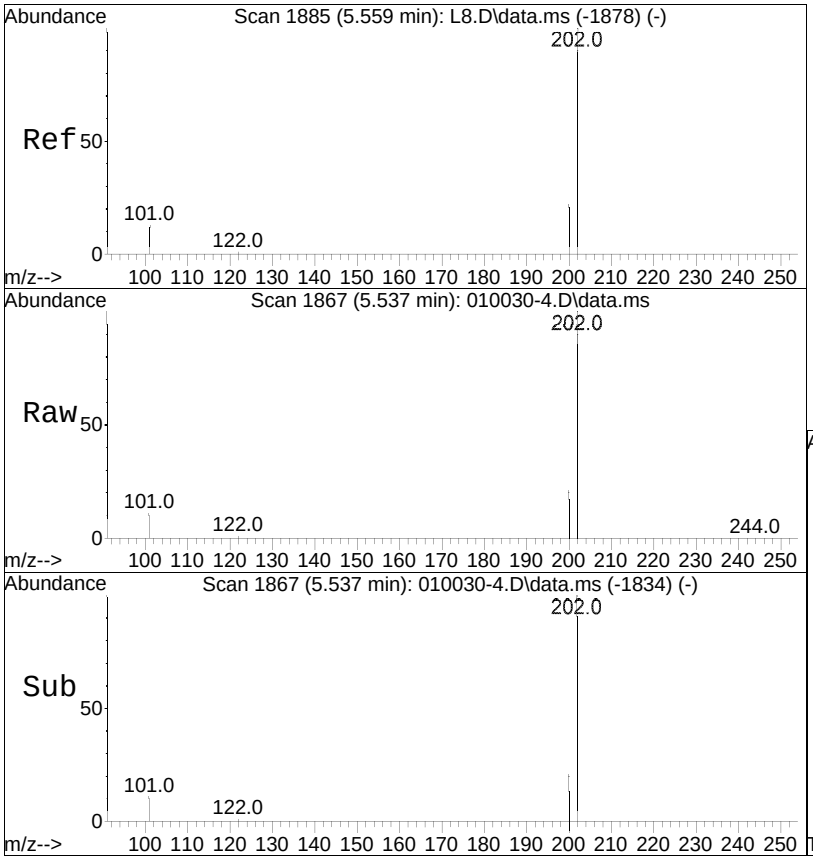


#28
Fluoranthene
Concen: 1914.17 ng/ml
RT: 5.406 min Scan# 1822
Delta R.T. -0.003 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:202 Resp: 638243

Ion	Ratio	Lower	Upper
202	100		
101	11.0	6.9	10.3#

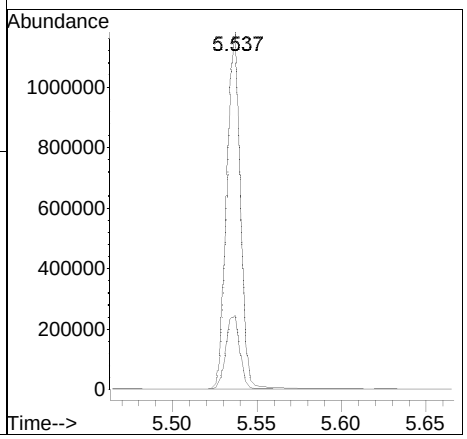


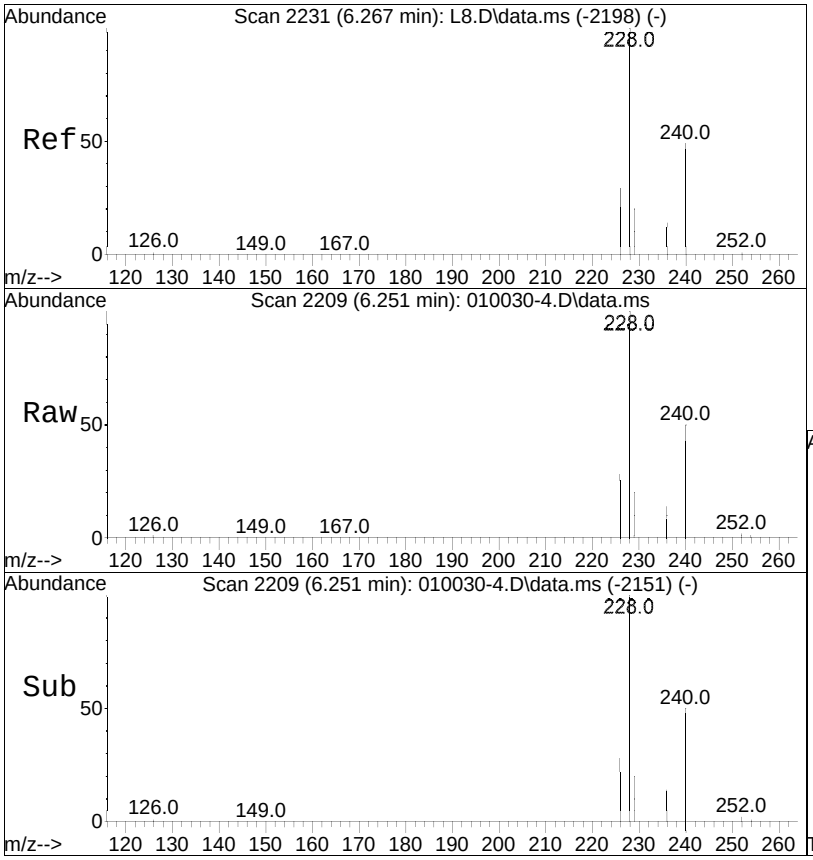


#29
Pyrene
Concen: 1848.91 ng/ml
RT: 5.537 min Scan# 1867
Delta R.T. -0.003 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:202 Resp: 654876

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.0

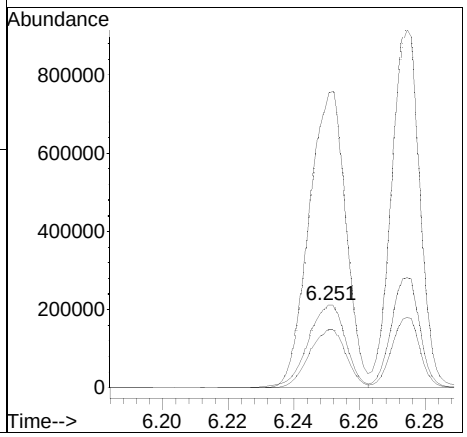


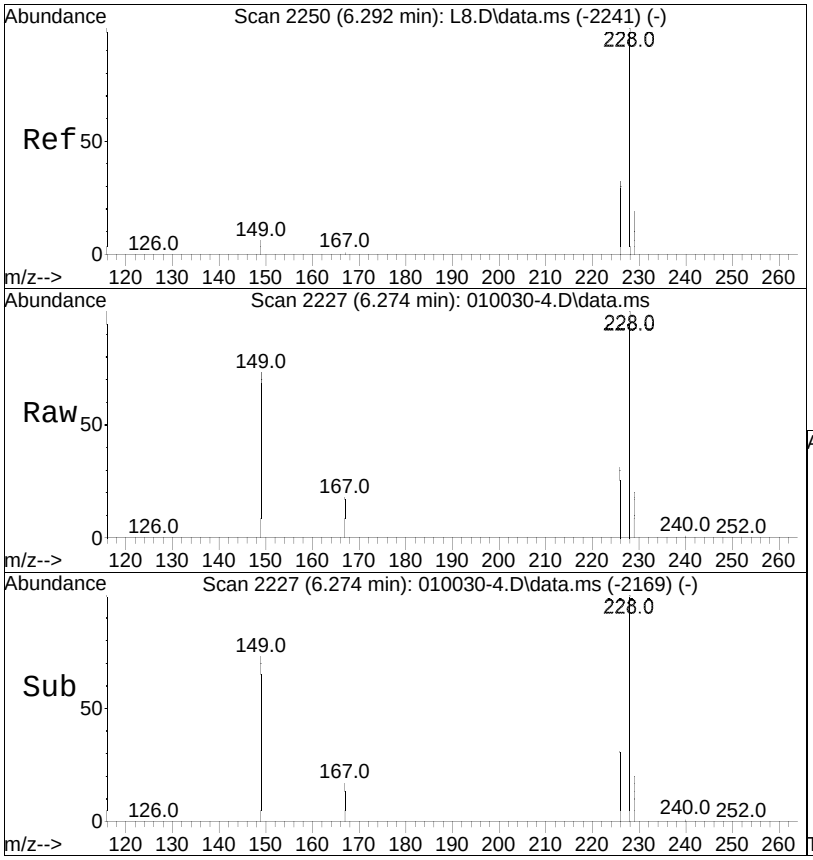


#32
Benzo[a]anthracene
Concen: 1883.30 ng/ml
RT: 6.251 min Scan# 2209
Delta R.T. -0.023 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:226 Resp: 169145

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	348.0	284.1	426.1
229	68.4	56.6	85.0

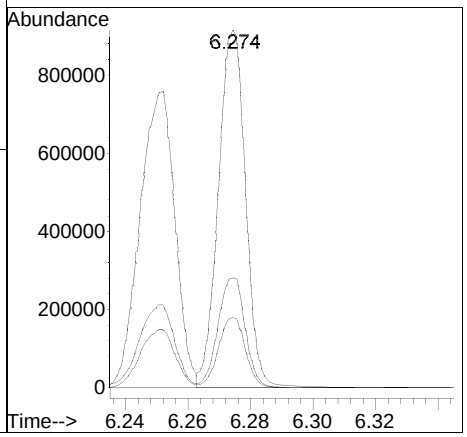


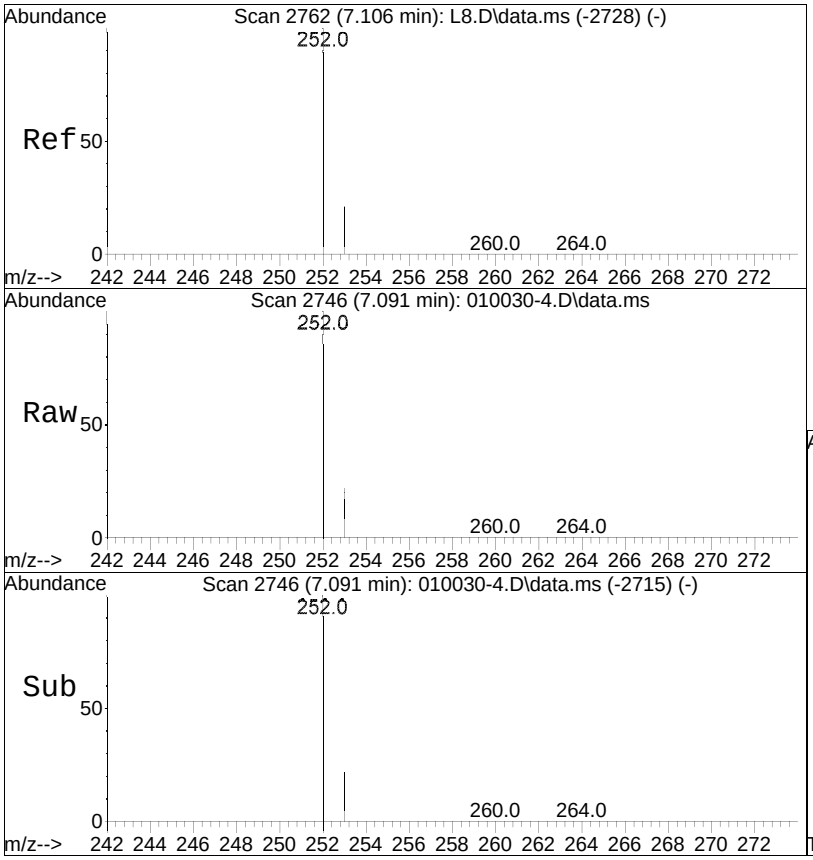


#34
Chrysene
Concen: 1988.66 ng/ml
RT: 6.274 min Scan# 2227
Delta R.T. -0.024 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:228 Resp: 550165

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	36.8
227	0.0	0.0	0.0
229	19.6	15.4	23.2

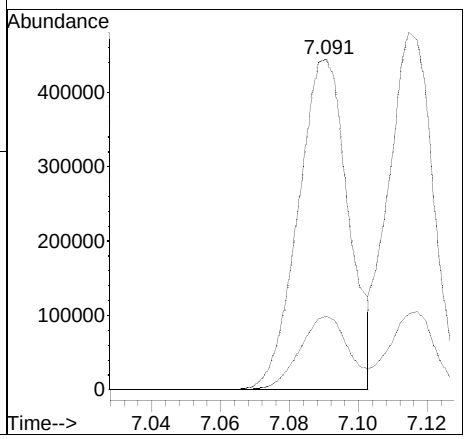


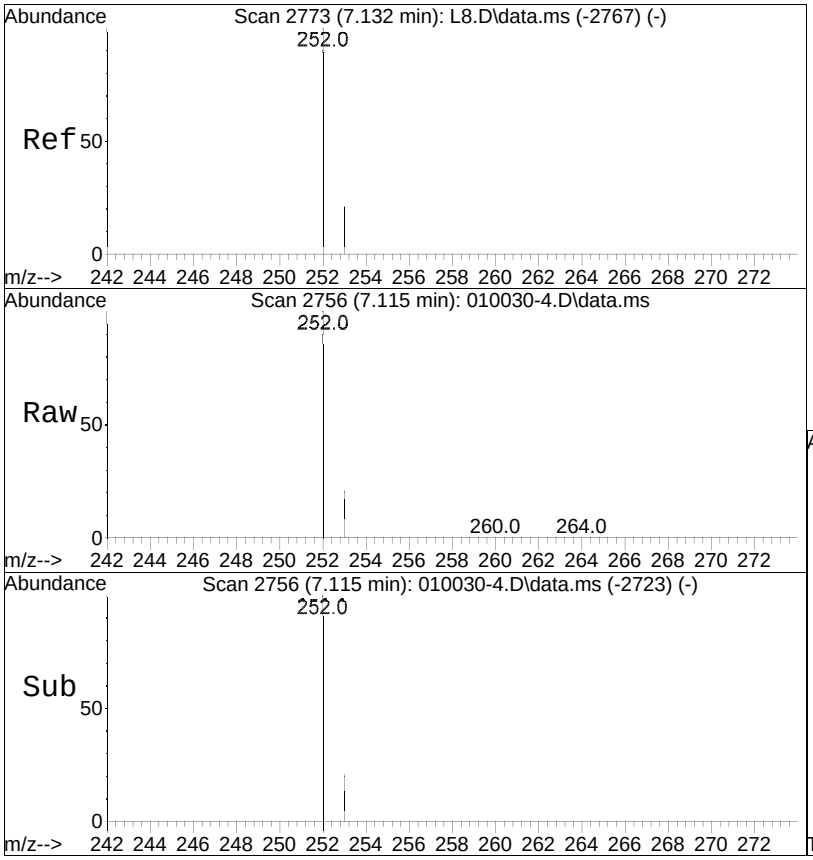


#37
Benzo[b]fluoranthene
Concen: 2199.29 ng/ml
RT: 7.091 min Scan# 2746
Delta R.T. -0.024 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:252 Resp: 450173

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4

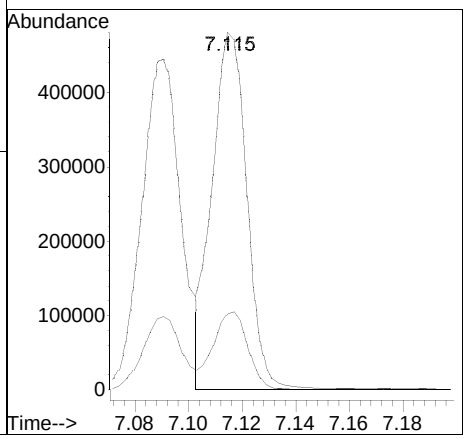


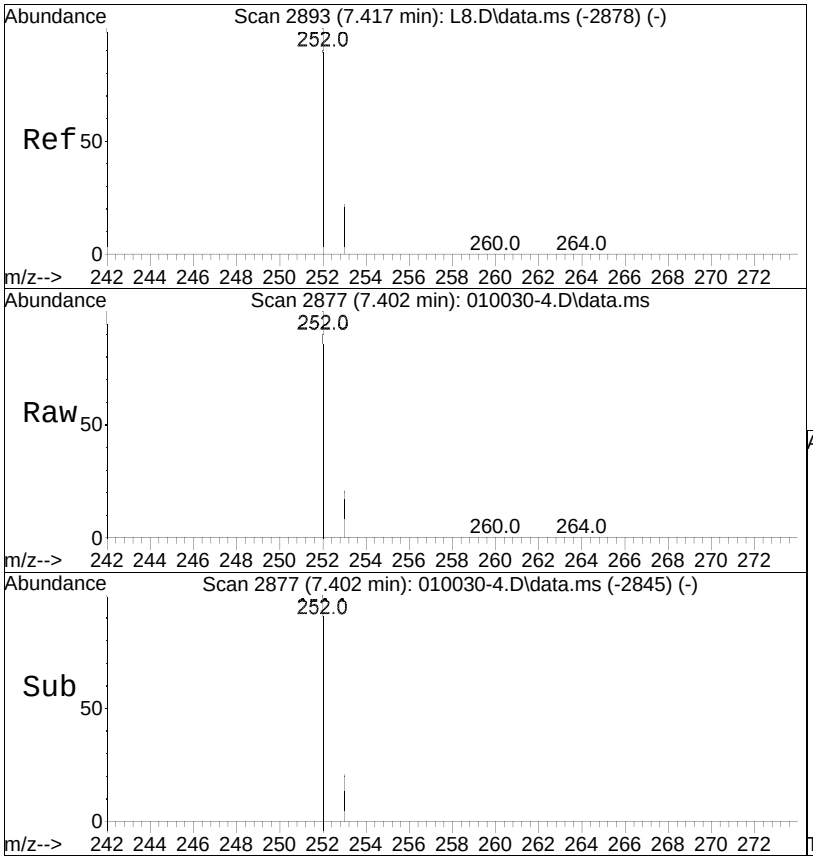


#38
Benzo[k]fluoranthene
Concen: 2000.97 ng/ml
RT: 7.115 min Scan# 2756
Delta R.T. -0.022 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:252 Resp: 434262

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

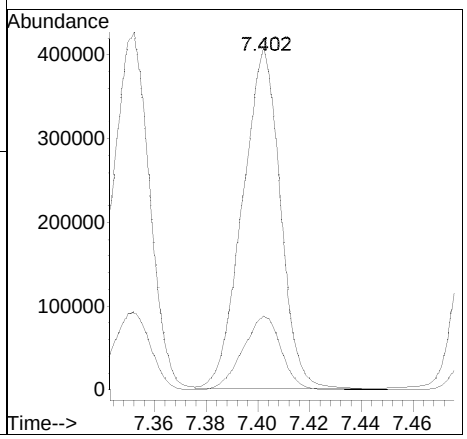


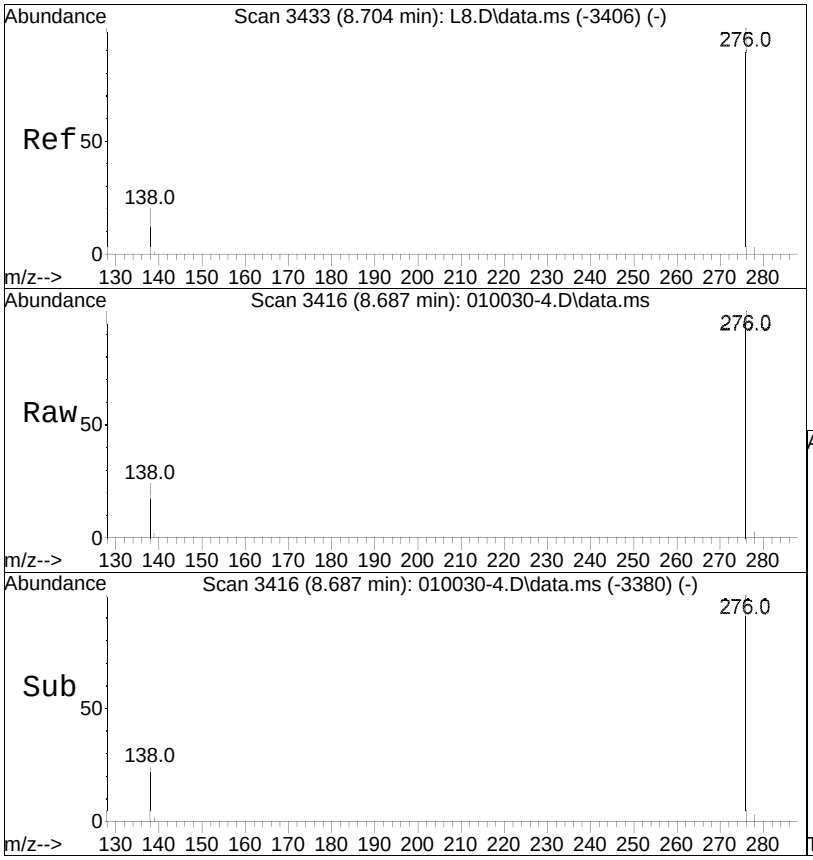


#39
Benzo[a]pyrene
Concen: 2266.72 ng/ml
RT: 7.402 min Scan# 2877
Delta R.T. -0.024 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:252 Resp: 409910

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

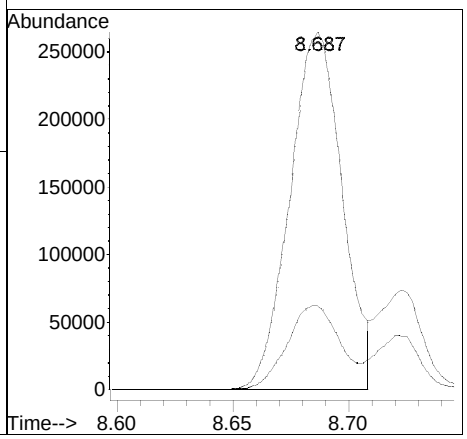


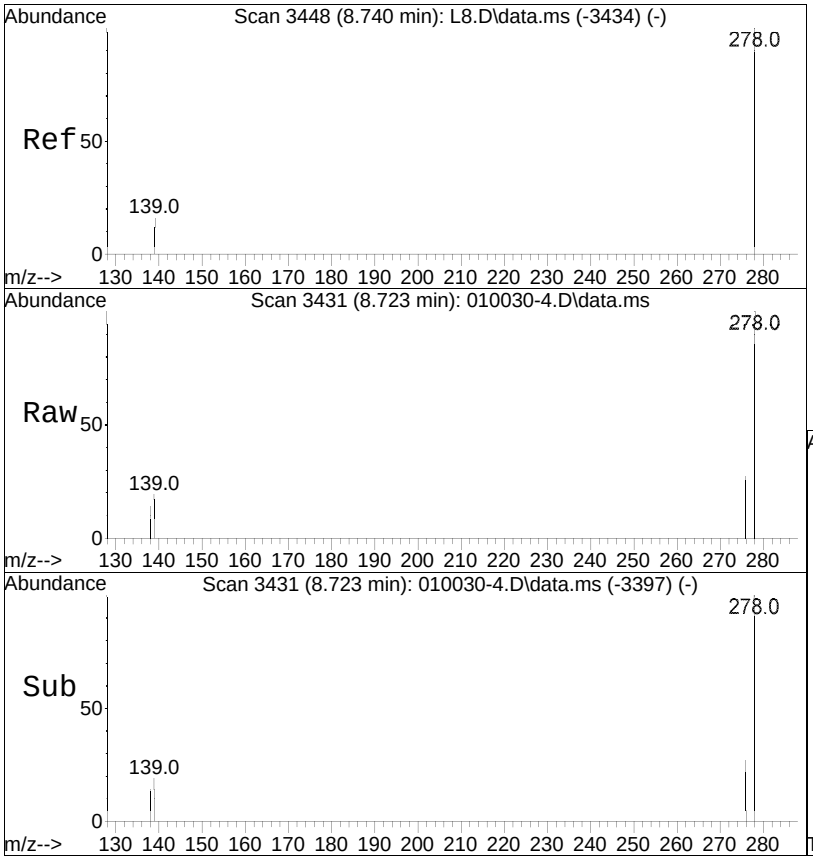


#40
Indeno[1,2,3-cd]pyrene
Concen: 2453.36 ng/ml
RT: 8.687 min Scan# 3416
Delta R.T. -0.015 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:276 Resp: 413616

Ion	Ratio	Lower	Upper
276	100		
138	24.3	11.8	17.6#

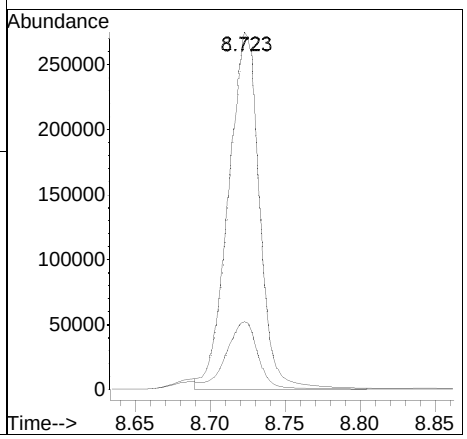


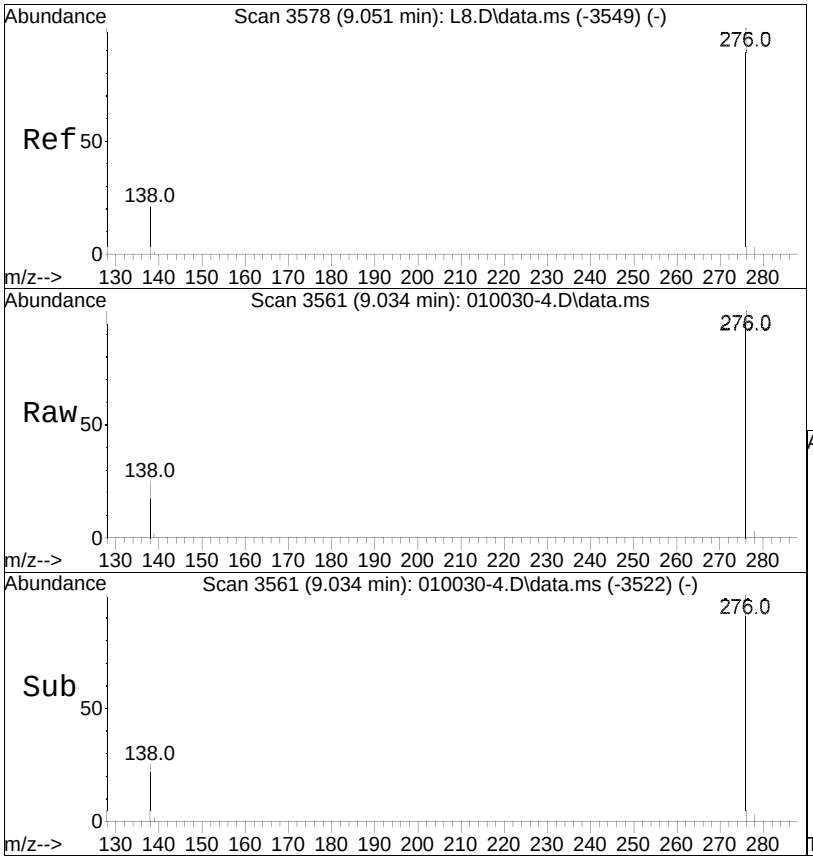


#41
Dibenzo[a,h]anthracene
Concen: 2301.07 ng/ml M6
RT: 8.723 min Scan# 3431
Delta R.T. -0.020 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:278 Resp: 394907

Ion	Ratio	Lower	Upper
278	100		
139	19.1	9.8	14.8#

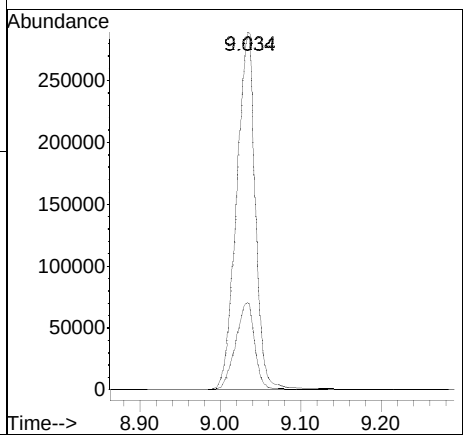




#42
Benzo[g,h,i]perylene
Concen: 2602.38 ng/ml M3
RT: 9.034 min Scan# 3561
Delta R.T. -0.008 min
Lab File: 010030-4.D
Acq: 17 Dec 2024 04:33 pm

Tgt Ion:276 Resp: 459920

Ion	Ratio	Lower	Upper
276	100		
138	25.1	12.8	19.2#

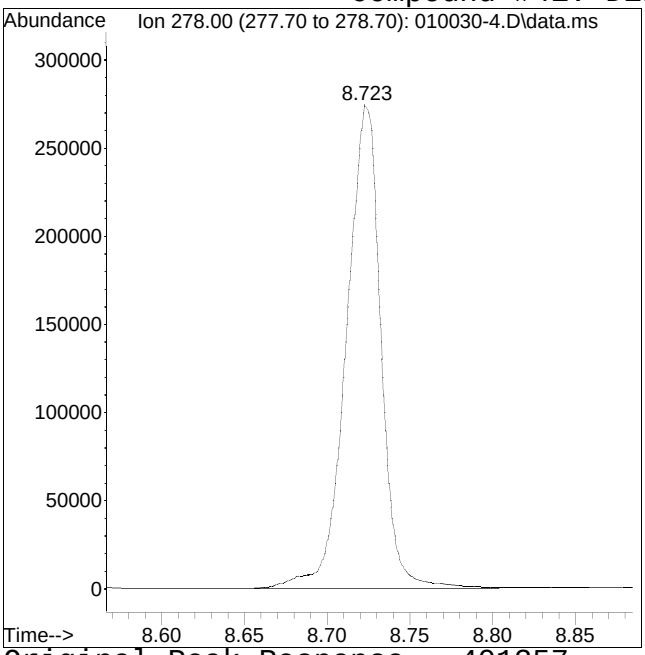


Manual Integration Report

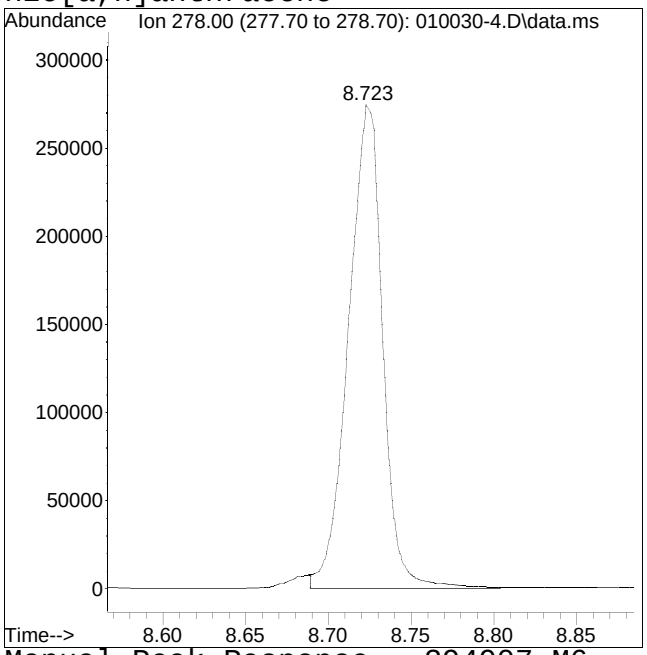
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 010030-4.D
Date Inj'd : 12/17/2024 4:33 pm
Sample : WG2010030-4,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 4:46 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 401357



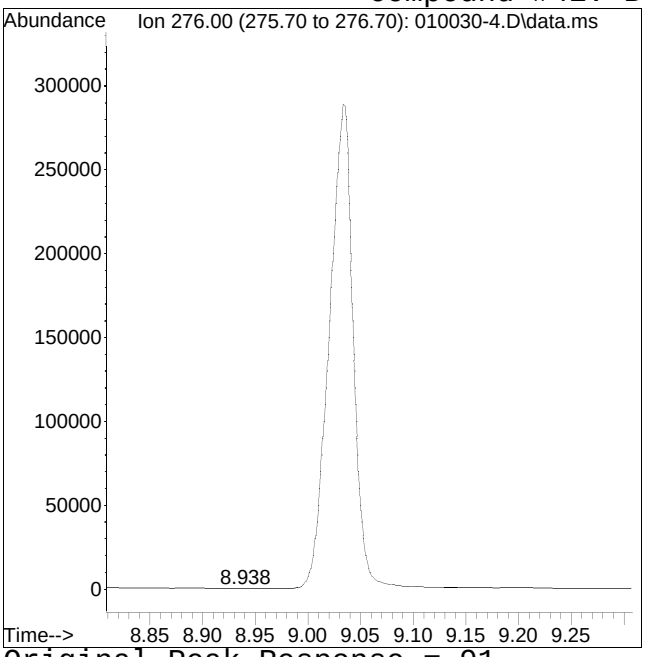
Manual Peak Response = 394907 M6

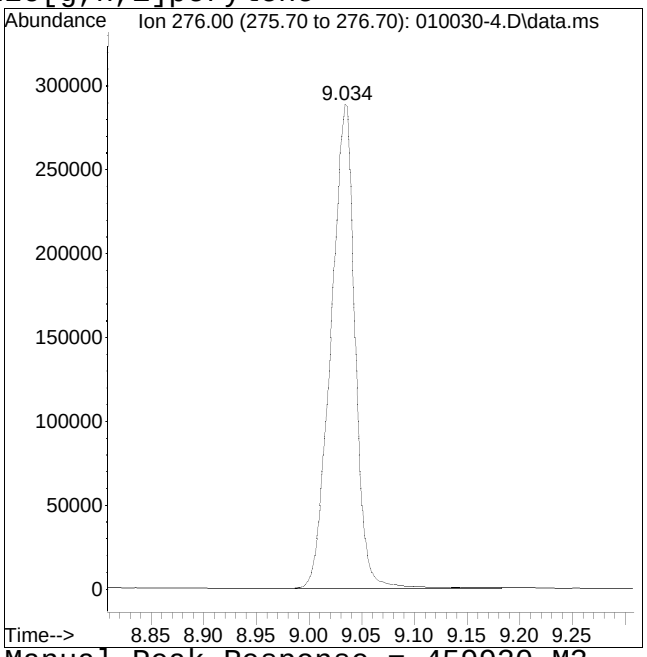
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\241217RVTQMethod : SIM-RVT_241025sv118.M
Data File : 010030-4.D Operator : SV118:jjw
Date Inj'd : 12/17/2024 4:33 pm Instrument : SV118
Sample : WG2010030-4,32,,kmh Quant Date : 12/17/2024 4:46 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 91 Manual Peak Response = 459920 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 010030-5.D
Acq On : 17 Dec 2024 04:50 pm
Operator : SV118:jjw
Sample : WG2010030-5,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 18 15:17:46 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.221	152	200921	4000.000	ng/ml	0.00
Standard Area 1 = 250918			Recovery = 80.07%			
8) Naphthalene-d8	2.893	136	848573	4000.000	ng/ml	0.00
Standard Area 1 = 972756			Recovery = 87.23%			
17) Acenaphthene-d10	3.875	164	496412	4000.000	ng/ml	0.00
Standard Area 1 = 669454			Recovery = 74.15%			
22) Phenanthrene-d10	4.717	188	1134191	4000.000	ng/ml	0.00
Standard Area 1 = 1340658			Recovery = 84.60%			
31) Chrysene-d12	6.259	240	895465	4000.000	ng/ml	-0.02
Standard Area 1 = 1212919			Recovery = 73.83%			
36) Perylene-d12	7.467	264	904674	4000.000	ng/ml	-0.02
Standard Area 1 = 1219101			Recovery = 74.21%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.637	112	71425	1257.338	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 62.87%			
3) Phenol-d6	2.040	99	62165	890.567	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.53%			
7) Nitrobenzene-d5	2.506	82	59638	1323.337	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 132.33%#			
13) 2-Fluorobiphenyl	3.494	172	129718	795.027	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.50%			
21) 2,4,6-Tribromophenol	4.321	330	68253	2983.840	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 149.19%#			
30) 4-Terphenyl-d14	5.629	244	227251	979.262	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.93%			
Target Compounds						Qvalue
6) Hexachloroethane	2.479	117	33080	1312.266	ng/ml	85
9) Naphthalene	2.901	128	311023	1392.363	ng/ml	100
10) Hexachlorobutadiene	2.976	225	44110	1112.572	ng/ml	100
11) 2-Methylnaphthalene	3.286	142	210812	1473.411	ng/ml	99
14) 2-Chloronaphthalene	3.559	162	218024	1518.260	ng/ml#	78
16) Acenaphthylene	3.793	152	376105	1769.220	ng/ml	99
18) Acenaphthene	3.893	153	277746	1711.512	ng/ml	99
20) Fluorene	4.182	166	373501	2160.326	ng/ml	99
24) Hexachlorobenzene	4.502	284	140477	1881.232	ng/ml	98
25) Pentachlorophenol	4.615	266	70779	2548.273	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 010030-5.D
Acq On : 17 Dec 2024 04:50 pm
Operator : SV118:jjw
Sample : WG2010030-5,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 18 15:17:46 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241217RVT\ccv1217a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.729	178	579423	1881.874	ng/ml	100
27) Anthracene	4.757	178	598809	1981.751	ng/ml	99
28) Fluoranthene	5.408	202	669849	1943.522	ng/ml#	94
29) Pyrene	5.536	202	682898	1865.227	ng/ml	99
32) Benzo[a]anthracene	6.250	226	169269	1930.204	ng/ml#	97
34) Chrysene	6.273	228	552587	2045.660	ng/ml#	100
37) Benzo[b]fluoranthene	7.091	252	535727	2296.901	ng/ml	100
38) Benzo[k]fluoranthene	7.113	252	538676	2178.270	ng/ml	100
39) Benzo[a]pyrene	7.400	252	478127	2320.327	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.690	276	572998	2982.730	ng/ml#	83
41) Dibenzo[a,h]anthracene	8.726	278	544841M6	2786.129	ng/ml	
42) Benzo[g,h,i]perylene	9.035	276	552596	2744.048	ng/ml#	81

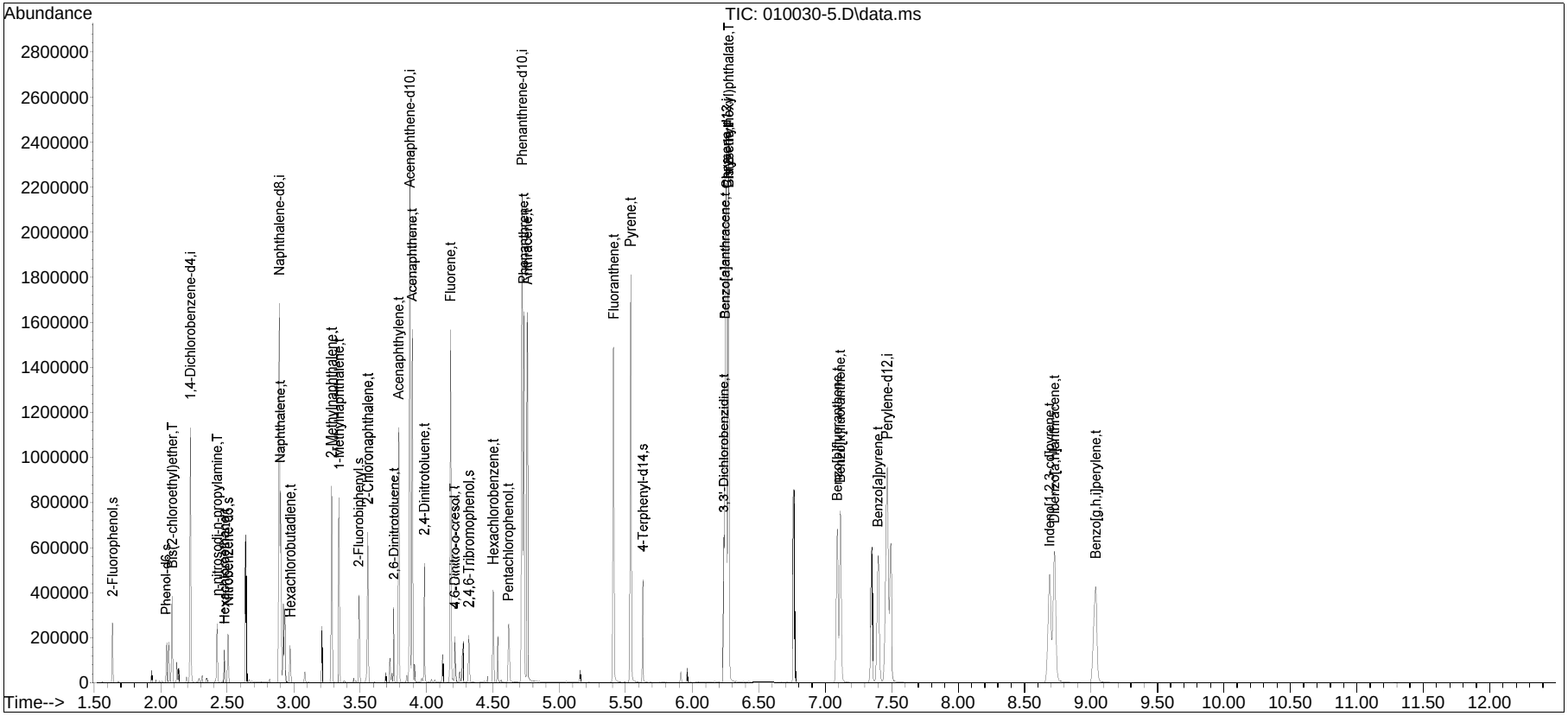
(#) = qualifier out of range (m) = manual integration (+) = signals summed

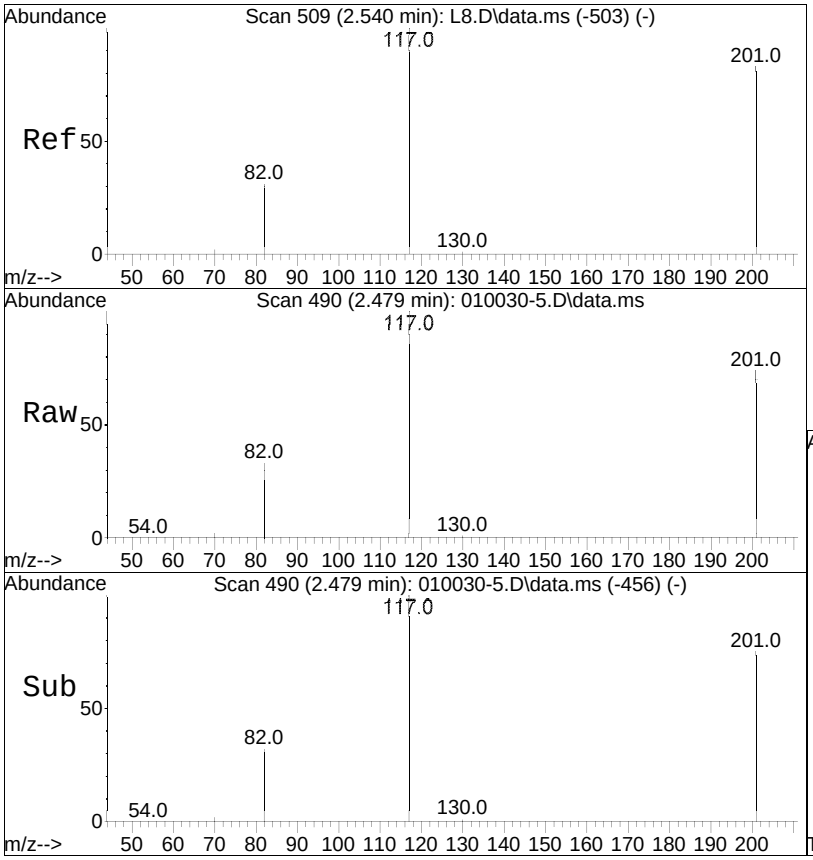
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241217RVT\
Data File : 010030-5.D
Acq On : 17 Dec 2024 04:50 pm
Operator : SV118:jjw
Sample : WG2010030-5,32,,kmh
Misc : WG2010053,WG2010030,ical21646
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 18 15:17:46 2024
Quant Method : I:\8270sim\SV118\241217RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 17 07:27:36 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1217a.D•

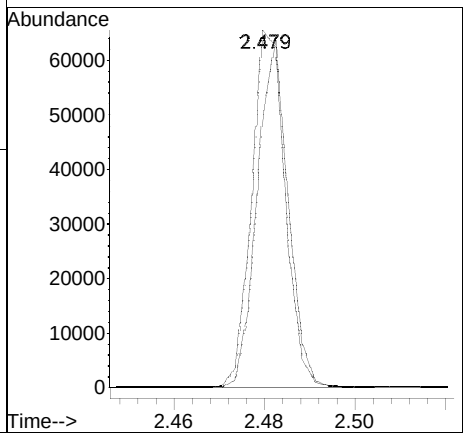


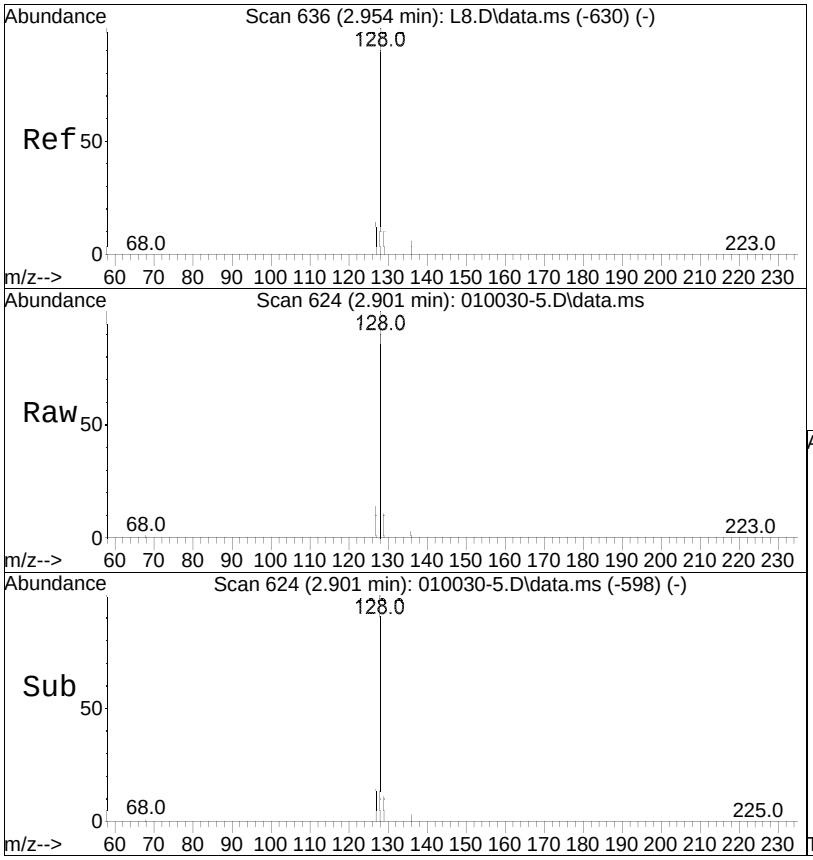


#6
Hexachloroethane
Concen: 1312.27 ng/ml
RT: 2.479 min Scan# 490
Delta R.T. -0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:117 Resp: 33080

Ion	Ratio	Lower	Upper
117	100		
201	90.6	84.9	127.3

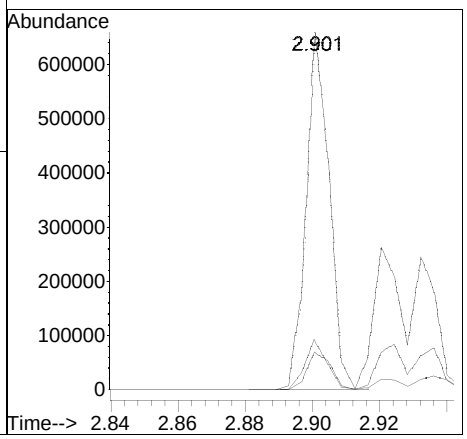


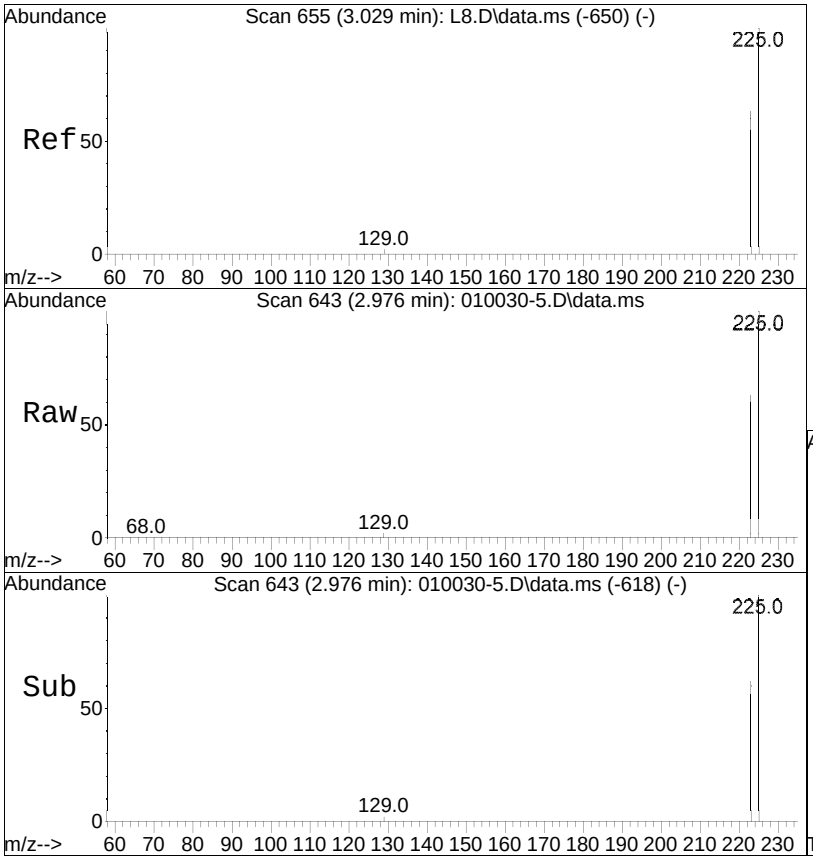


#9
Naphthalene
Concen: 1392.36 ng/ml
RT: 2.901 min Scan# 624
Delta R.T. -0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:128 Resp: 311023

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.6	10.7	16.1

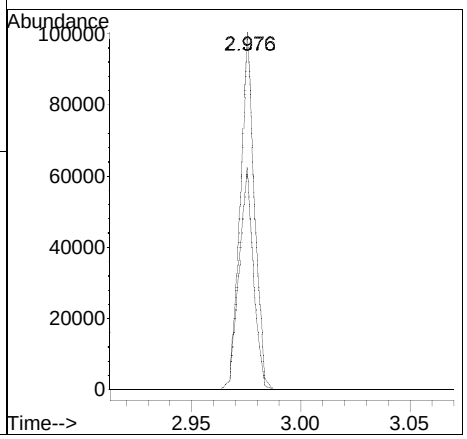


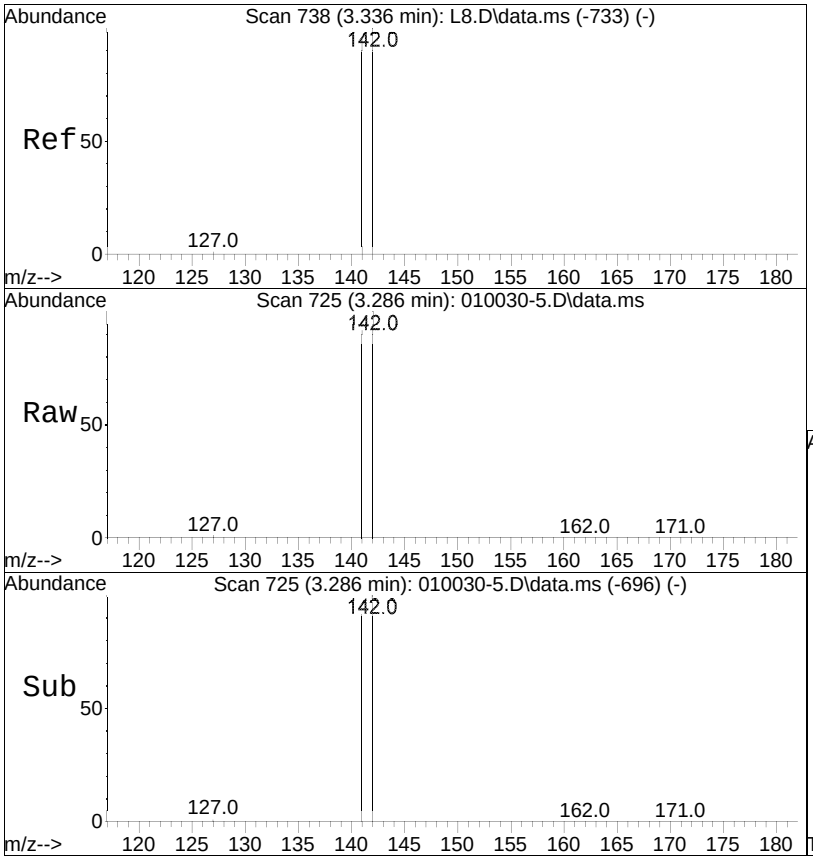


#10
Hexachlorobutadiene
Concen: 1112.57 ng/ml
RT: 2.976 min Scan# 643
Delta R.T. -0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:225 Resp: 44110

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.4	75.6

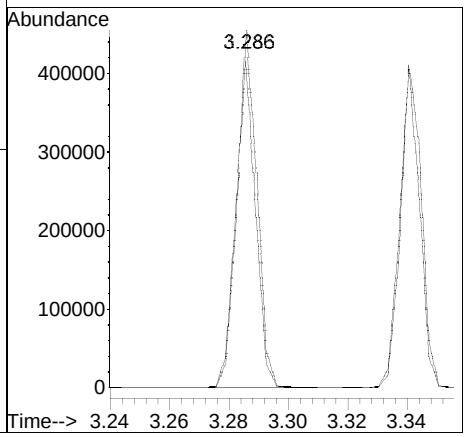


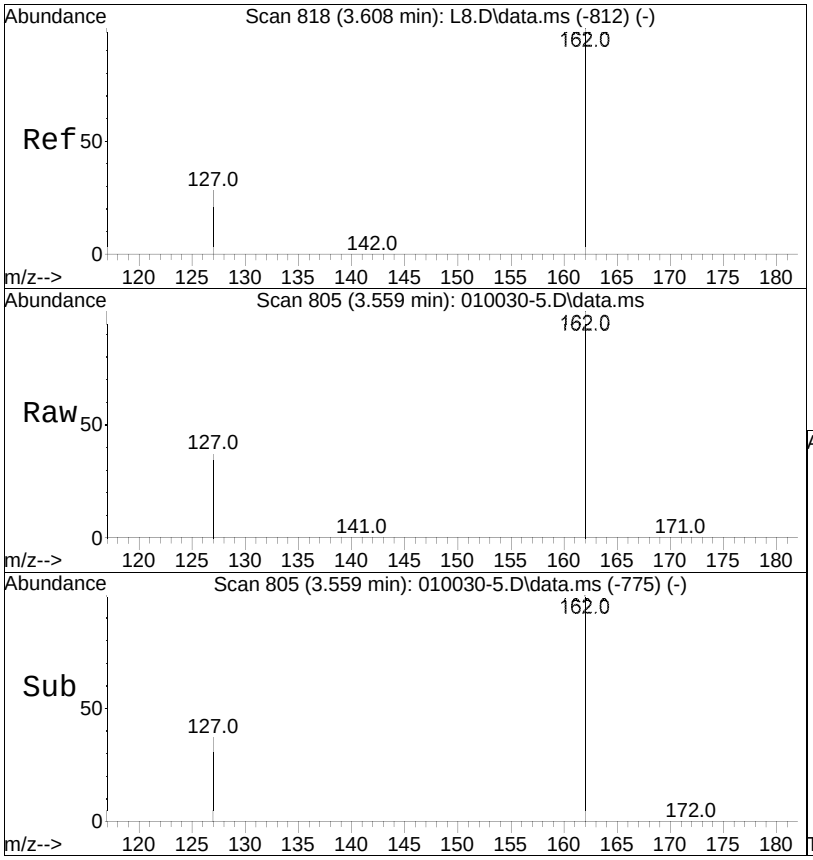


#11
2-Methylnaphthalene
Concen: 1473.41 ng/ml
RT: 3.286 min Scan# 725
Delta R.T. -0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:142 Resp: 210812

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.8	107.8

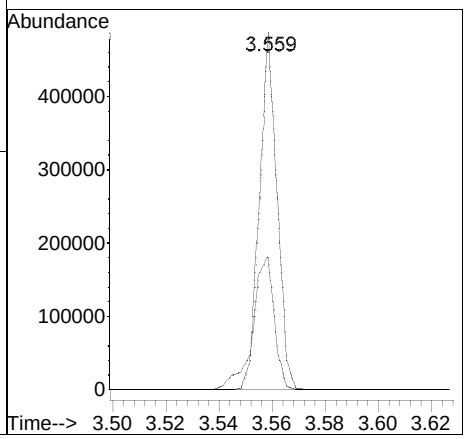


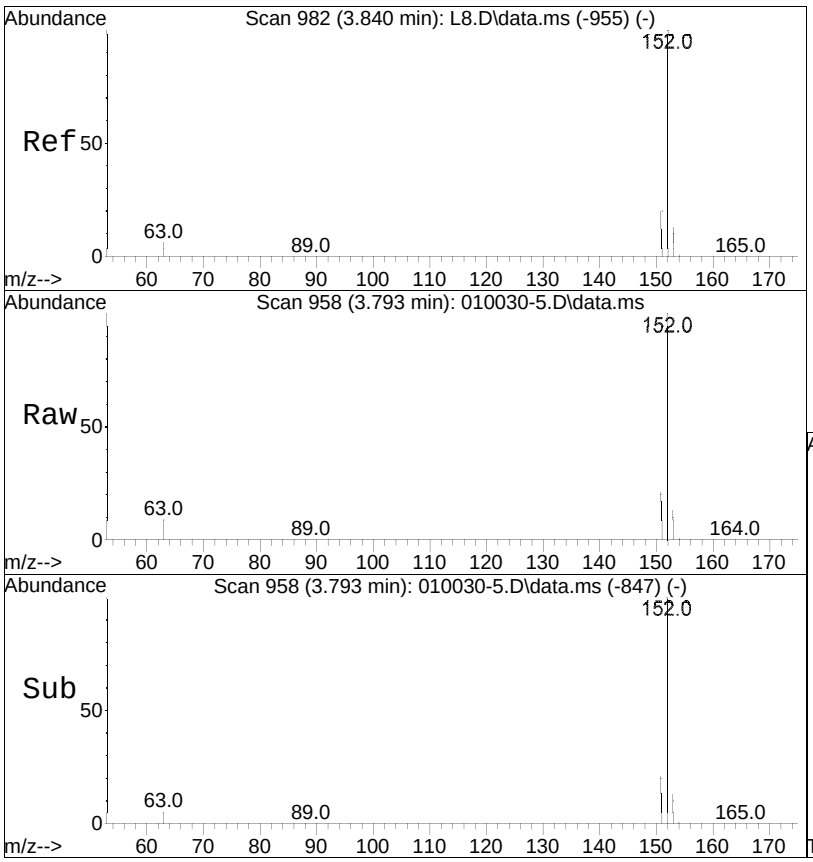


#14
2-Chloronaphthalene
Concen: 1518.26 ng/ml
RT: 3.559 min Scan# 805
Delta R.T. 0.003 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:162 Resp: 218024

Ion	Ratio	Lower	Upper
162	100		
127	46.0	26.9	40.3#

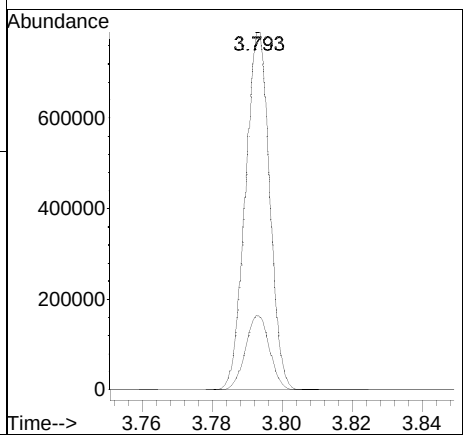


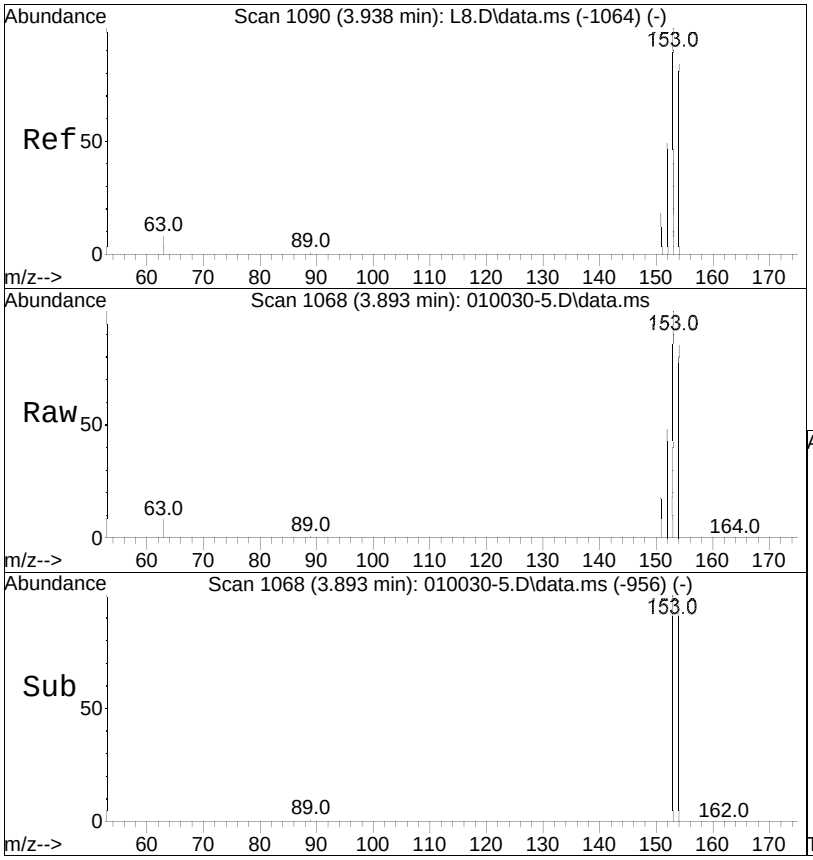


#16
Acenaphthylene
Concen: 1769.22 ng/ml
RT: 3.793 min Scan# 958
Delta R.T. 0.001 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:152 Resp: 376105

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2

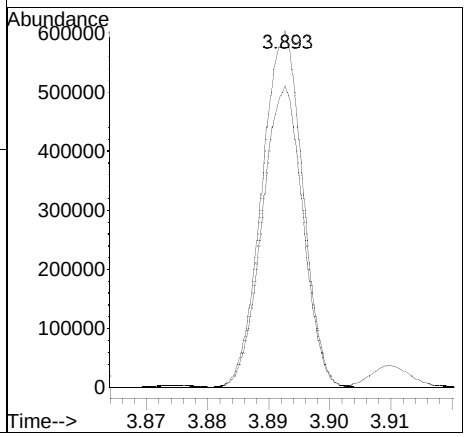


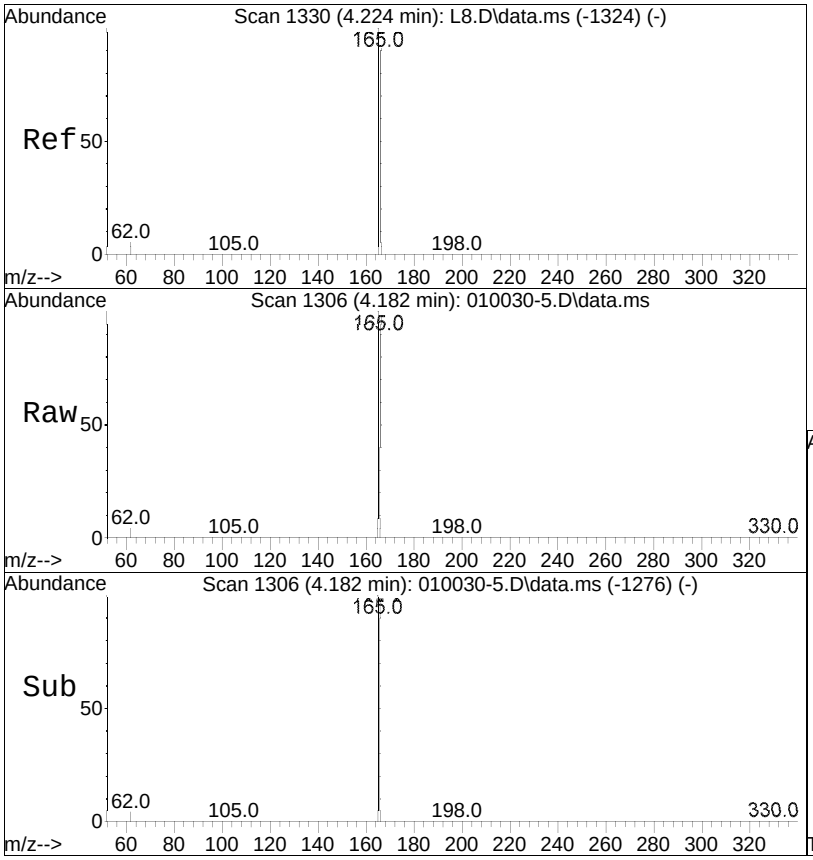


#18
Acenaphthene
Concen: 1711.51 ng/ml
RT: 3.893 min Scan# 1068
Delta R.T. 0.002 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:153 Resp: 277746

Ion	Ratio	Lower	Upper
153	100		
154	84.4	68.2	102.4

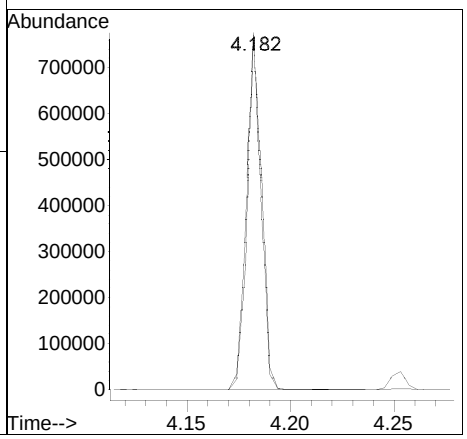


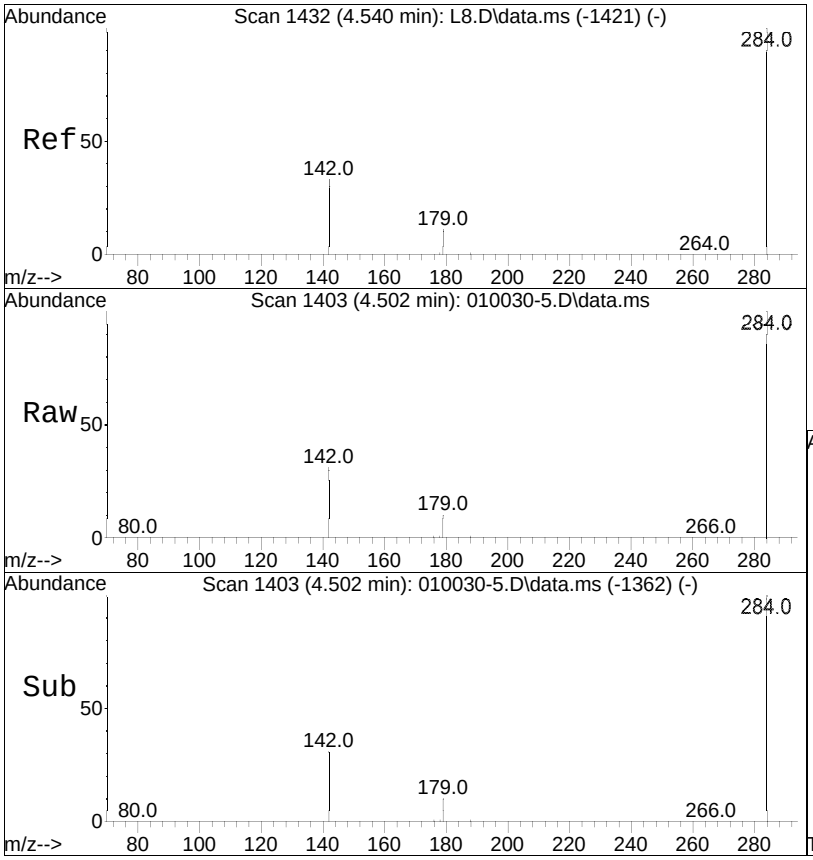


#20
Fluorene
Concen: 2160.33 ng/ml
RT: 4.182 min Scan# 1306
Delta R.T. 0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:166 Resp: 373501

Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.5	120.7

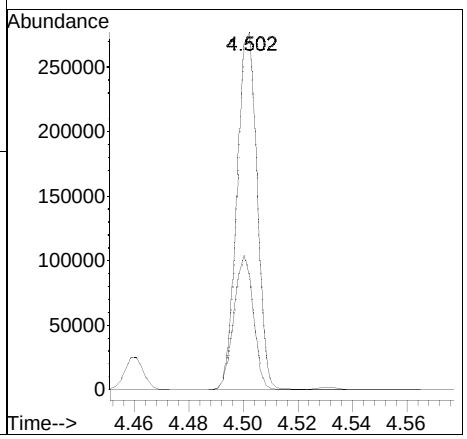


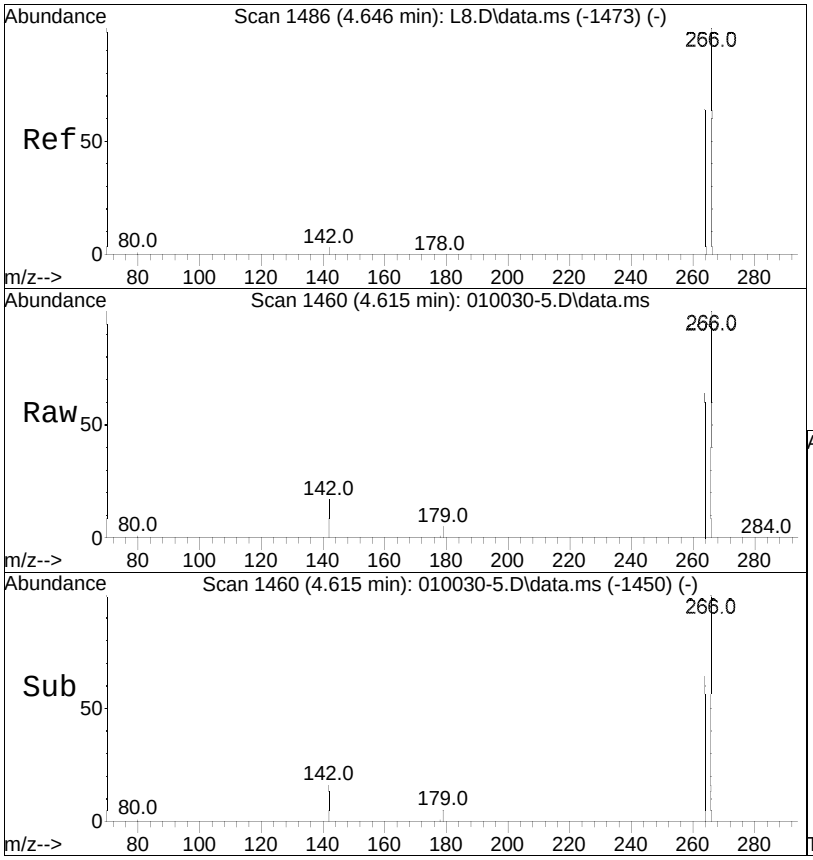


#24
Hexachlorobenzene
Concen: 1881.23 ng/ml
RT: 4.502 min Scan# 1403
Delta R.T. 0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:284 Resp: 140477

Ion	Ratio	Lower	Upper
284	100		
142	36.7	28.4	42.6

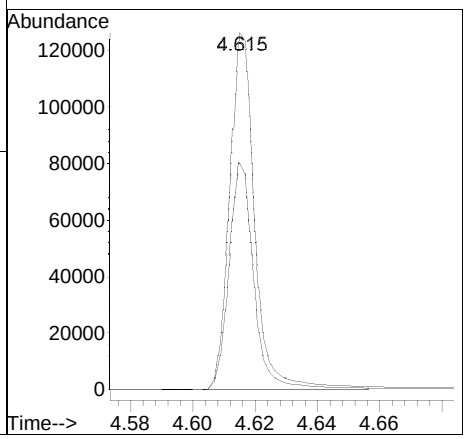


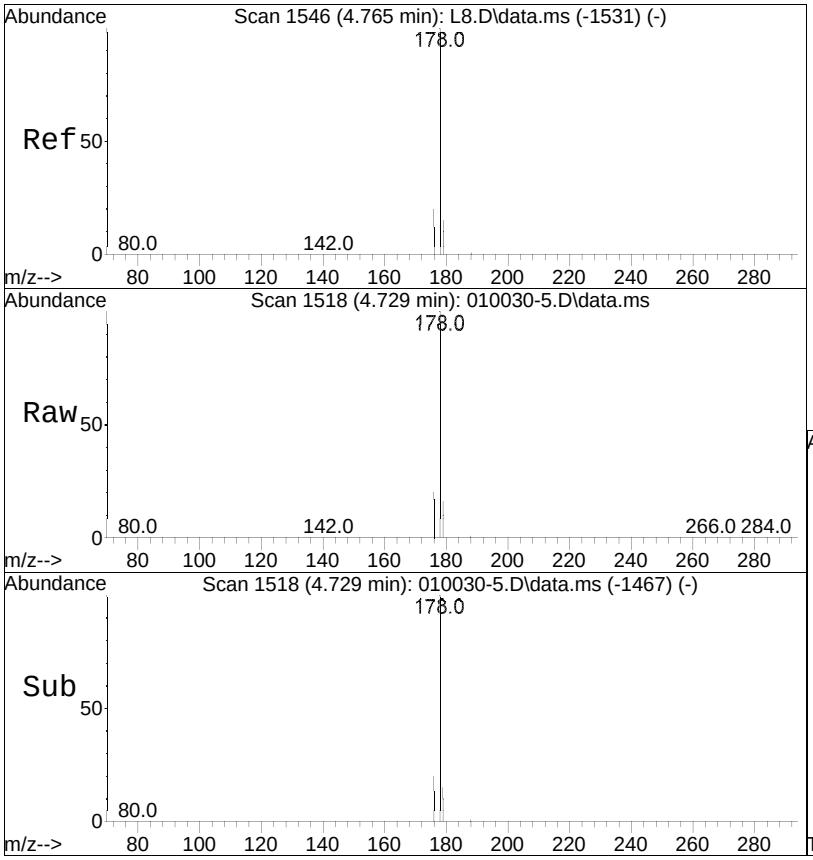


#25
Pentachlorophenol
Concen: 2548.27 ng/ml
RT: 4.615 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:266 Resp: 70779

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.6	76.0

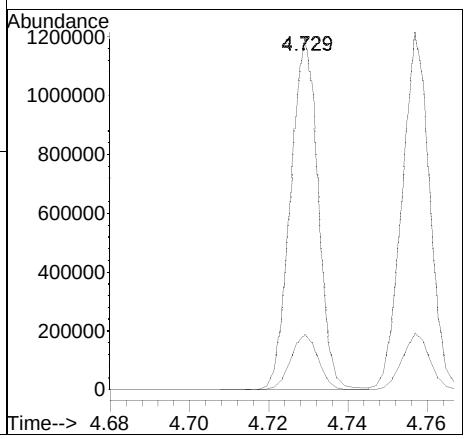


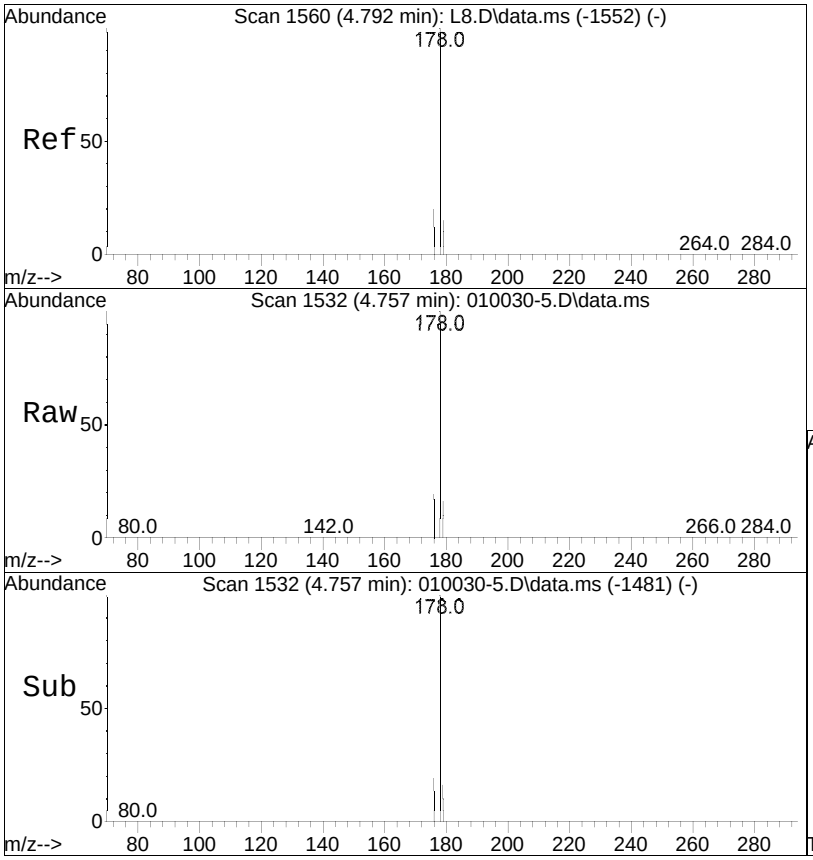


#26
Phenanthrene
Concen: 1881.87 ng/ml
RT: 4.729 min Scan# 1518
Delta R.T. 0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:178 Resp: 579423

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

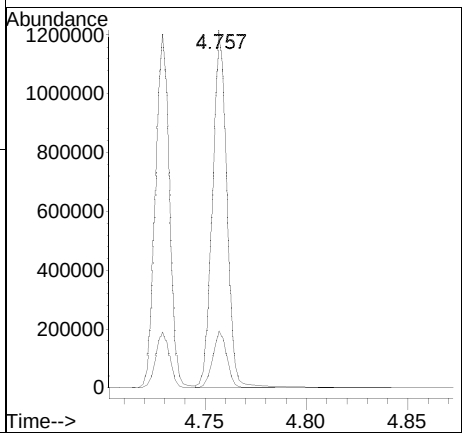


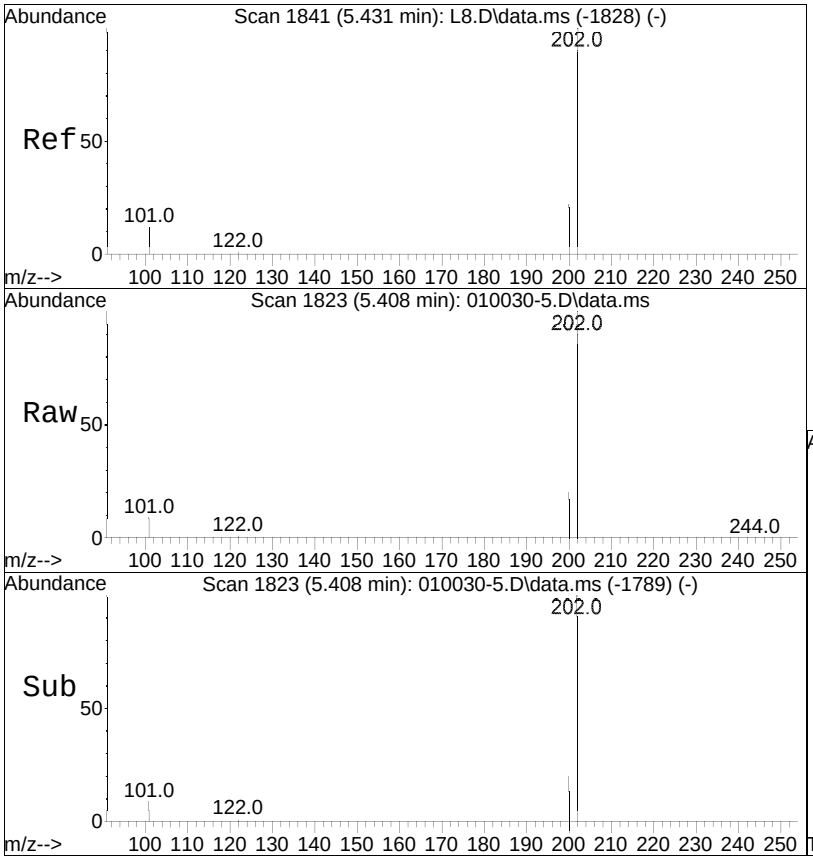


#27
Anthracene
Concen: 1981.75 ng/ml
RT: 4.757 min Scan# 1532
Delta R.T. 0.000 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:178 Resp: 598809

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7

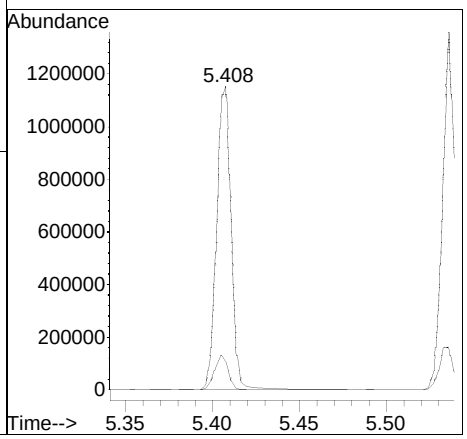


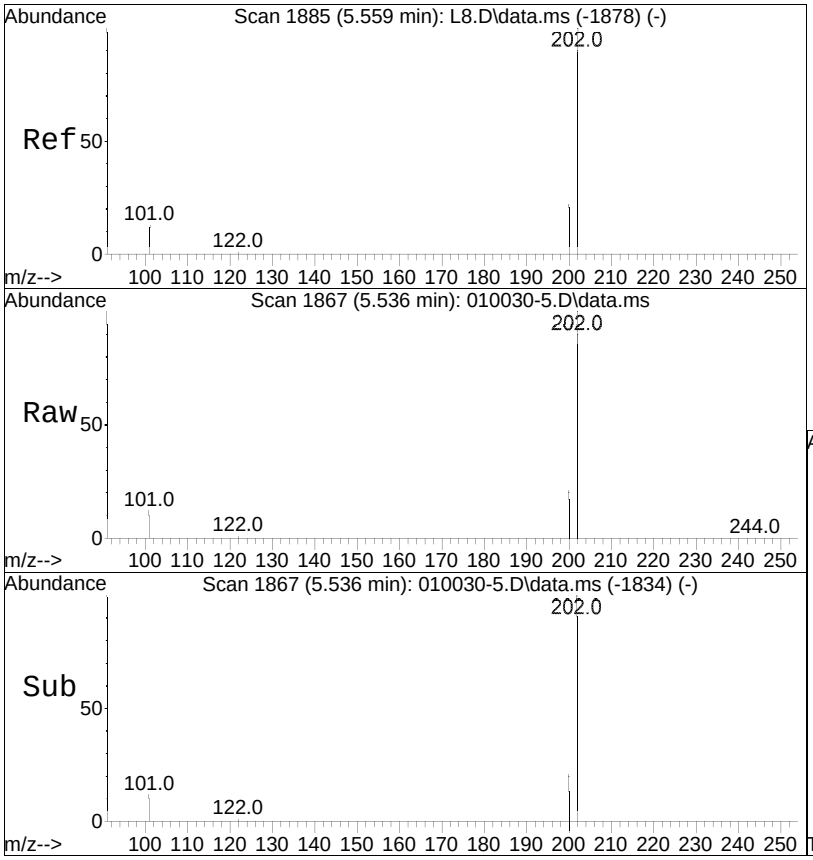


#28
Fluoranthene
Concen: 1943.52 ng/ml
RT: 5.408 min Scan# 1823
Delta R.T. -0.002 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:202 Resp: 669849

Ion	Ratio	Lower	Upper
202	100		
101	10.8	6.9	10.3#

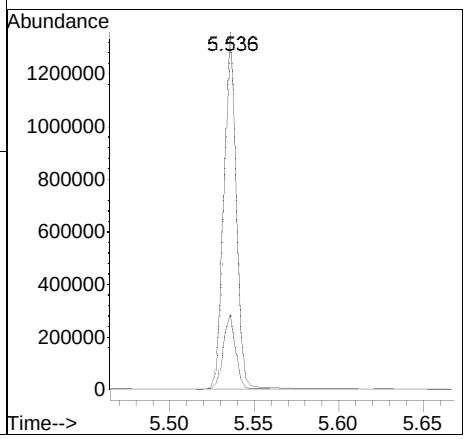


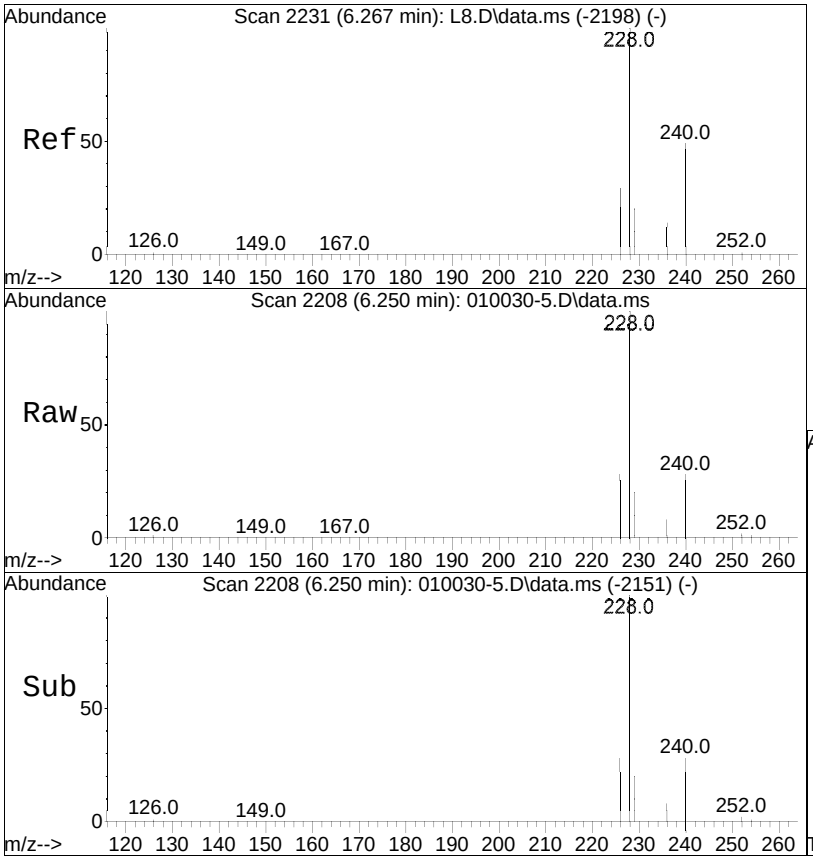


#29
Pyrene
Concen: 1865.23 ng/ml
RT: 5.536 min Scan# 1867
Delta R.T. -0.004 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:202 Resp: 682898

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0

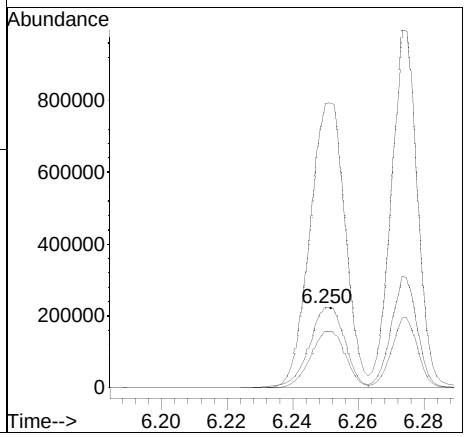


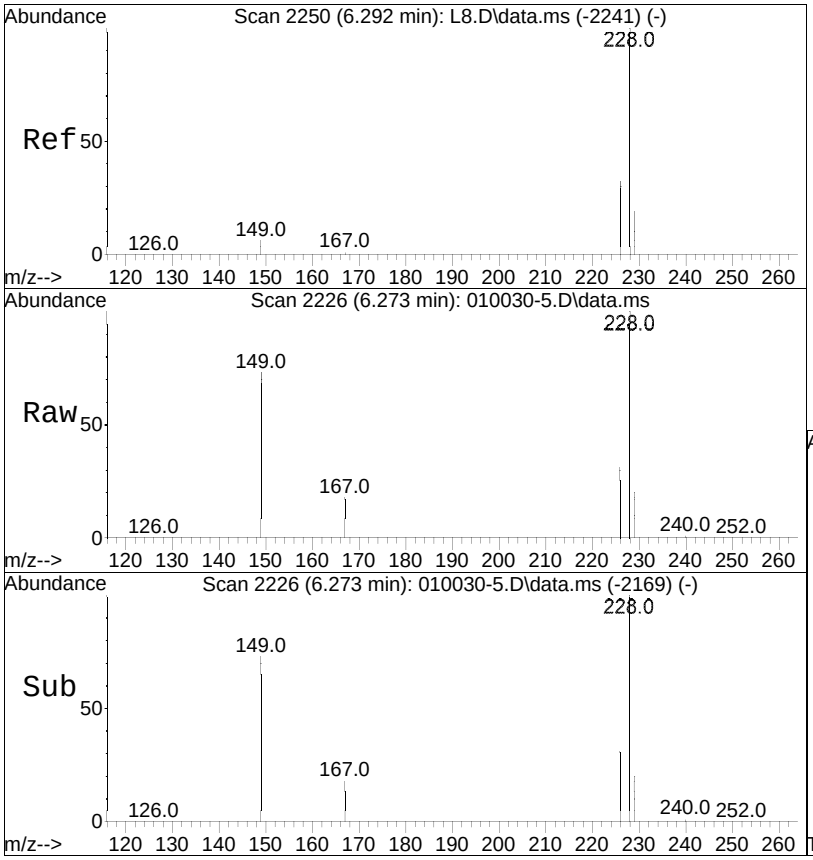


#32
Benzo[a]anthracene
Concen: 1930.20 ng/ml
RT: 6.250 min Scan# 2208
Delta R.T. -0.024 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:226 Resp: 169269

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	348.3	284.1	426.1
229	68.5	56.6	85.0

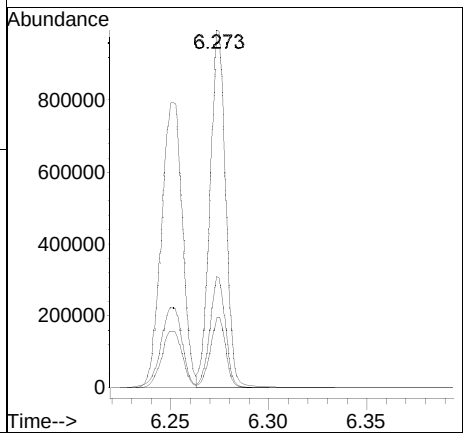


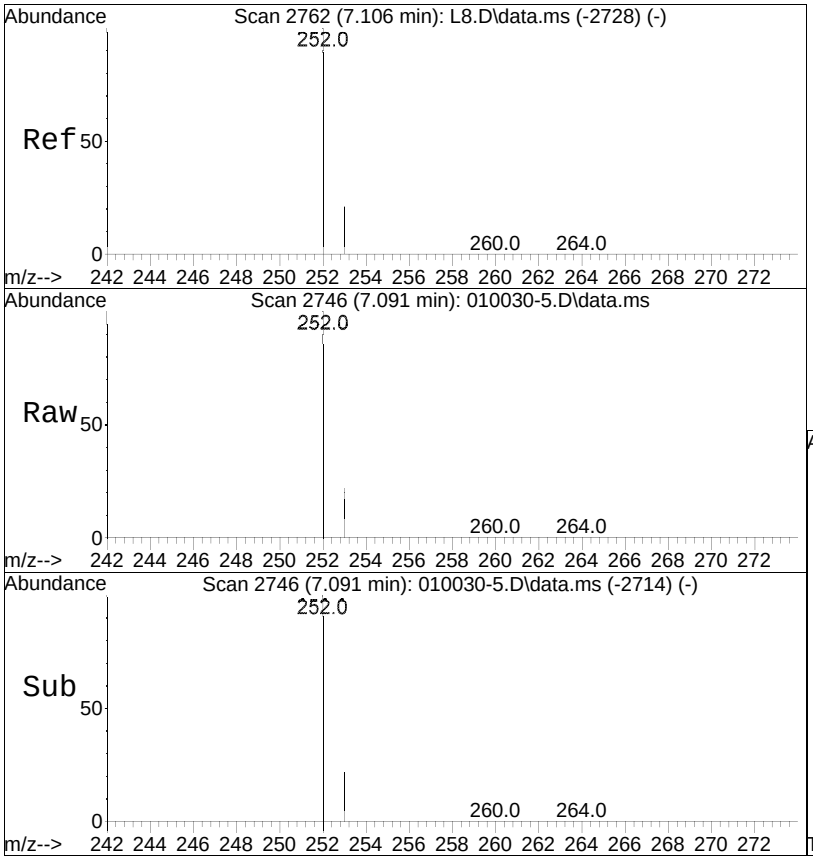


#34
Chrysene
Concen: 2045.66 ng/ml
RT: 6.273 min Scan# 2226
Delta R.T. -0.025 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:228 Resp: 552587

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
227	0.0	0.0	0.0
229	19.5	15.4	23.2

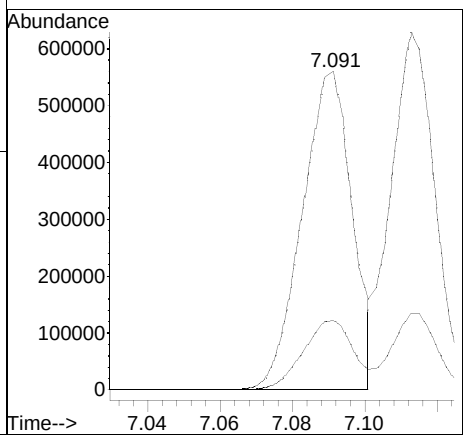


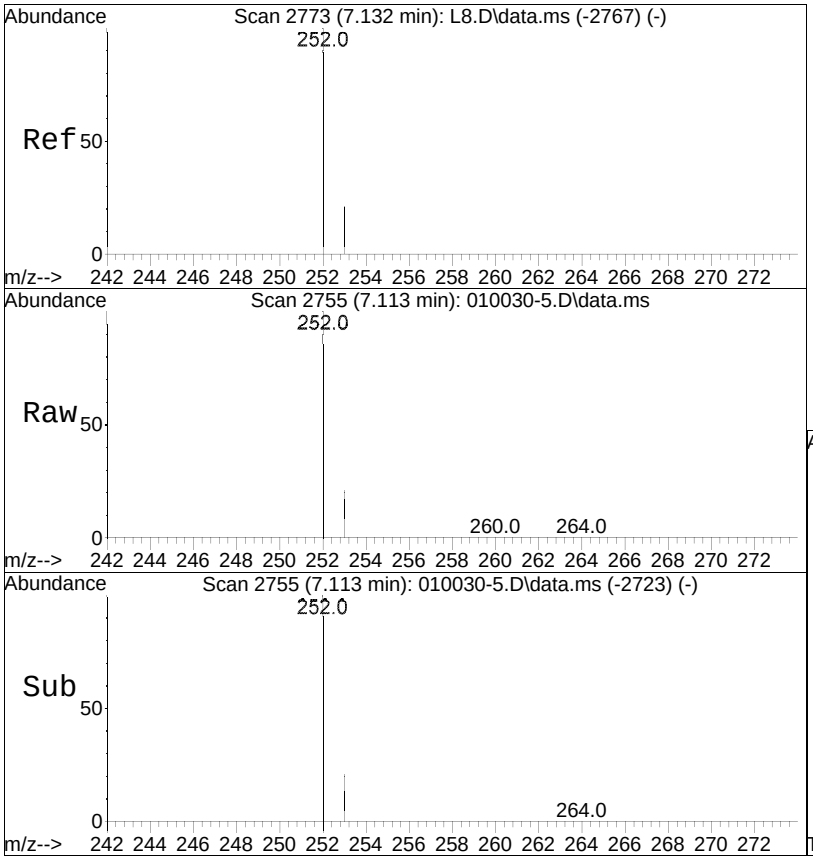


#37
Benzo[b]fluoranthene
Concen: 2296.90 ng/ml
RT: 7.091 min Scan# 2746
Delta R.T. -0.024 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:252 Resp: 535727

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

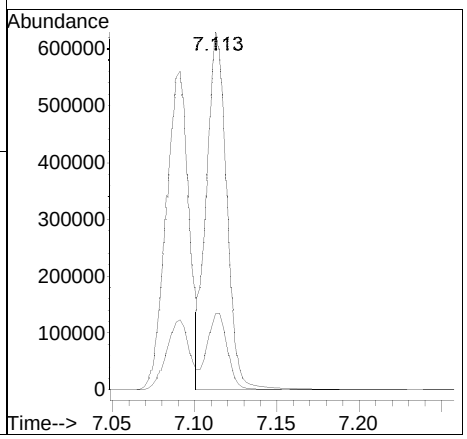


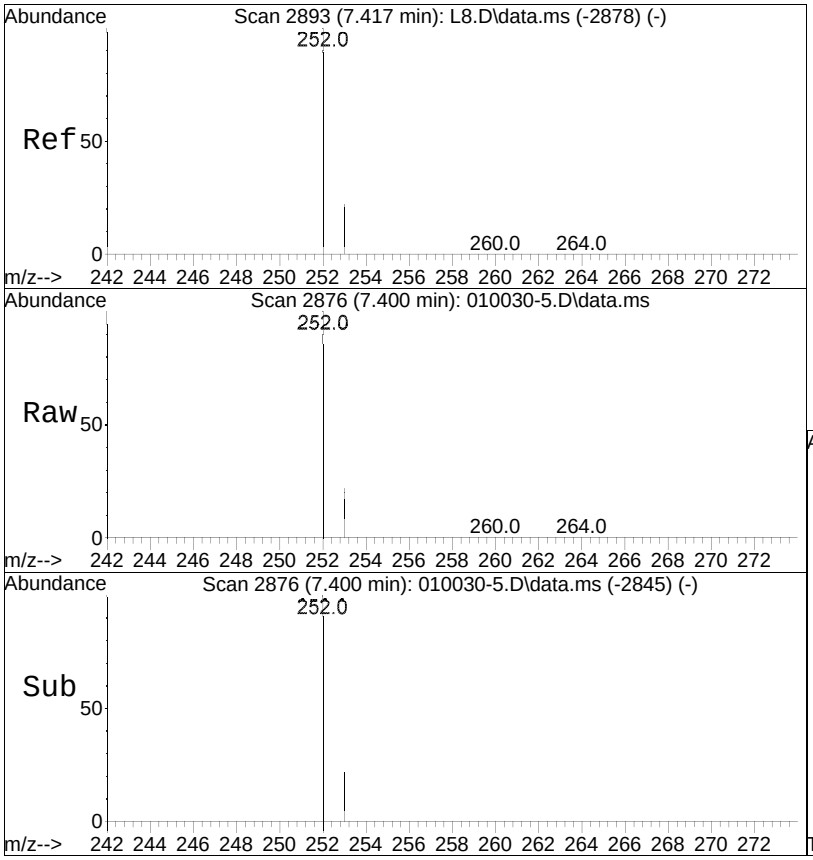


#38
Benzo[k]fluoranthene
Concen: 2178.27 ng/ml
RT: 7.113 min Scan# 2755
Delta R.T. -0.024 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:252 Resp: 538676

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

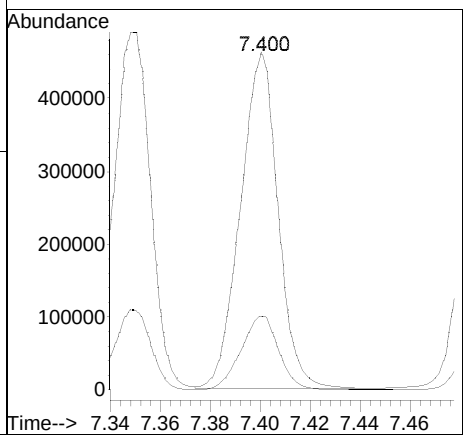


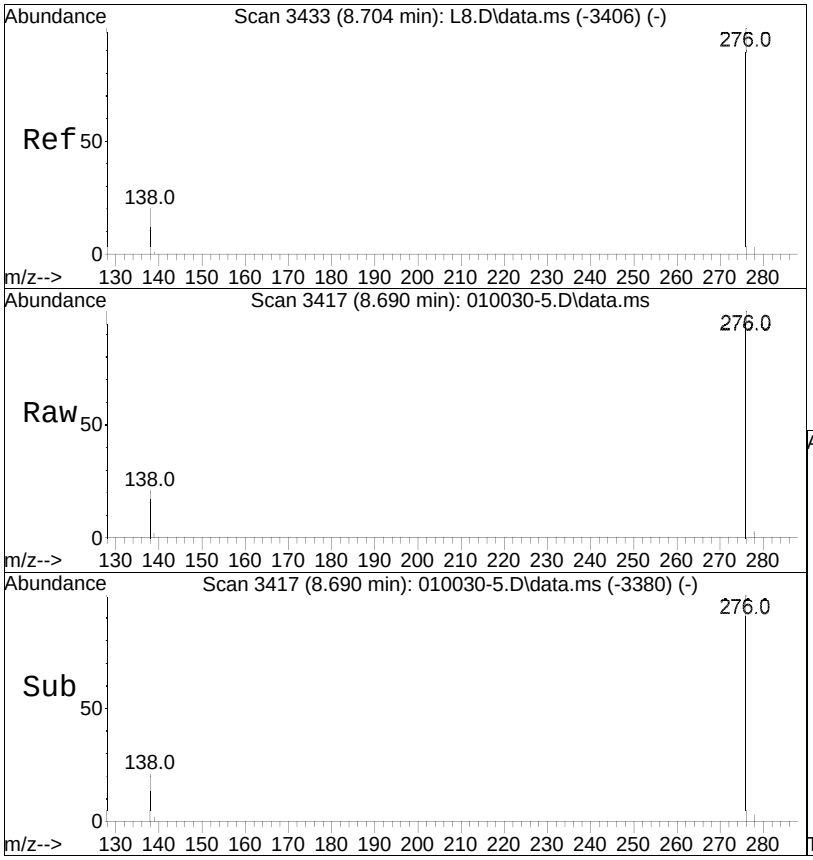


#39
Benzo[a]pyrene
Concen: 2320.33 ng/ml
RT: 7.400 min Scan# 2876
Delta R.T. -0.026 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:252 Resp: 478127

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

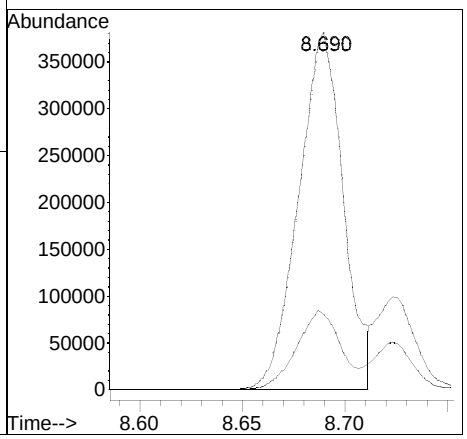


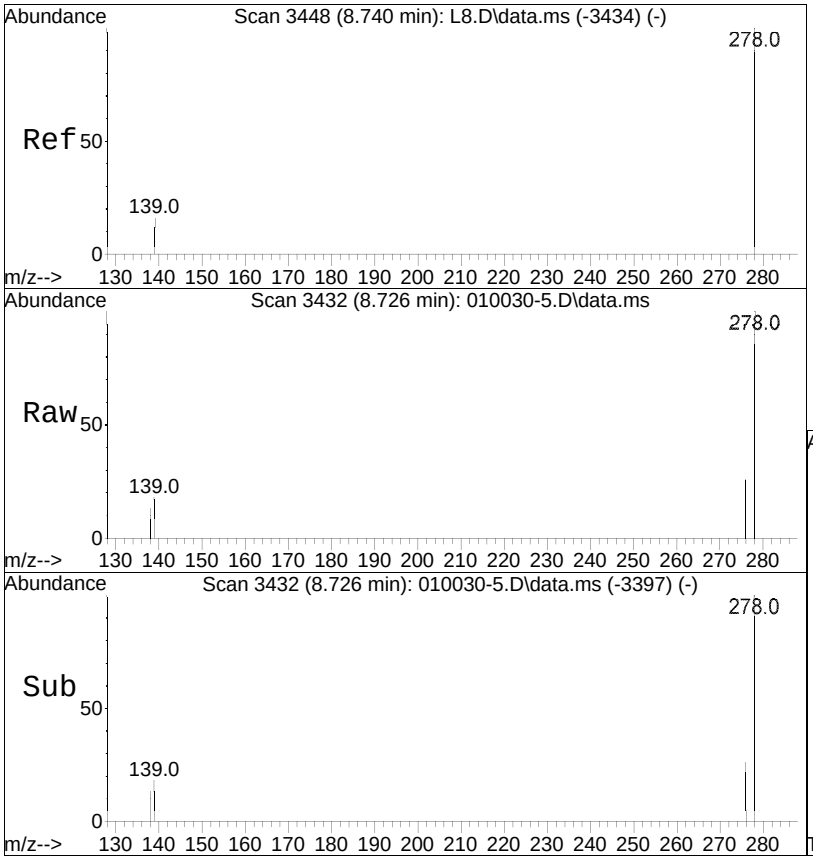


#40
Indeno[1,2,3-cd]pyrene
Concen: 2982.73 ng/ml
RT: 8.690 min Scan# 3417
Delta R.T. -0.012 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:276 Resp: 572998

Ion	Ratio	Lower	Upper
276	100		
138	21.9	11.8	17.6#

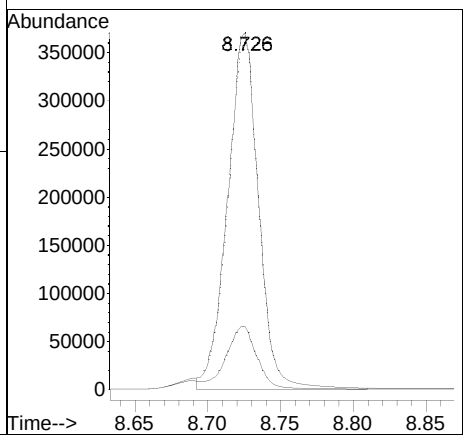


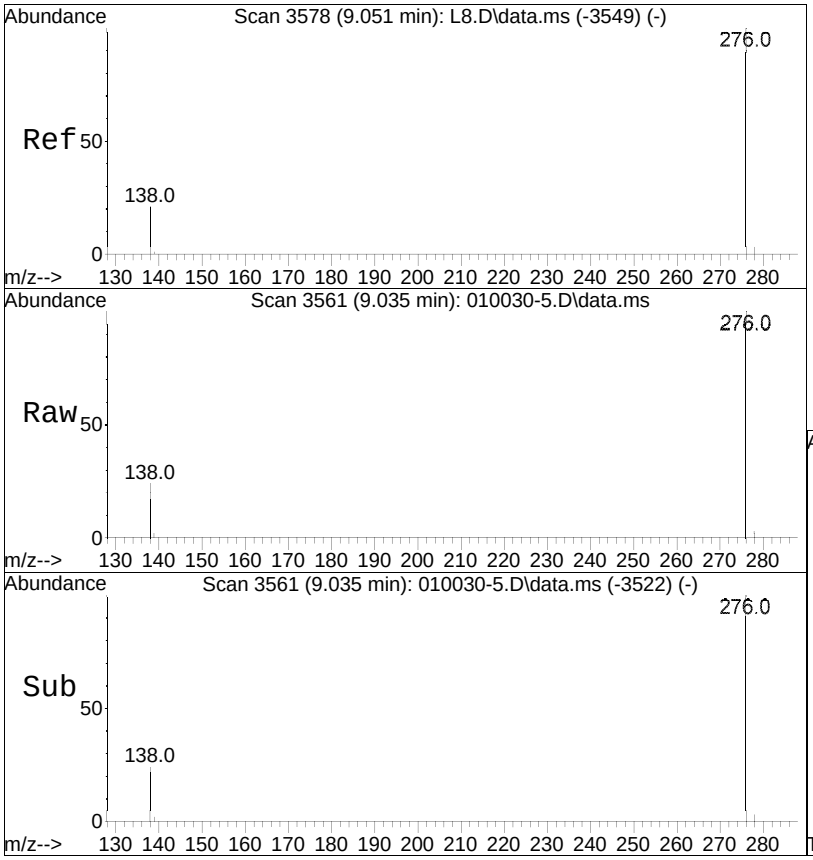


#41
Dibenzo[a,h]anthracene
Concen: 2786.13 ng/ml M6
RT: 8.726 min Scan# 3432
Delta R.T. -0.017 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:278 Resp: 544841

Ion	Ratio	Lower	Upper
278	100		
139	17.6	9.8	14.8#

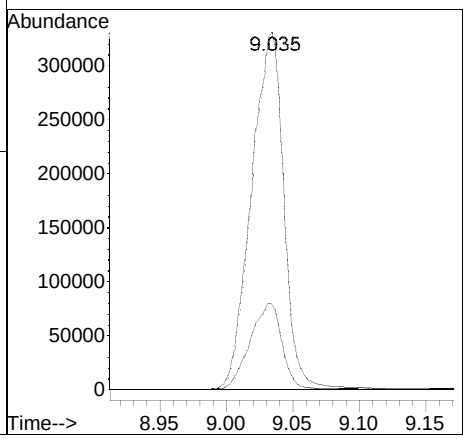




#42
Benzo[g,h,i]perylene
Concen: 2744.05 ng/ml
RT: 9.035 min Scan# 3561
Delta R.T. -0.007 min
Lab File: 010030-5.D
Acq: 17 Dec 2024 04:50 pm

Tgt Ion:276 Resp: 552596

Ion	Ratio	Lower	Upper
276	100		
138	24.2	12.8	19.2#

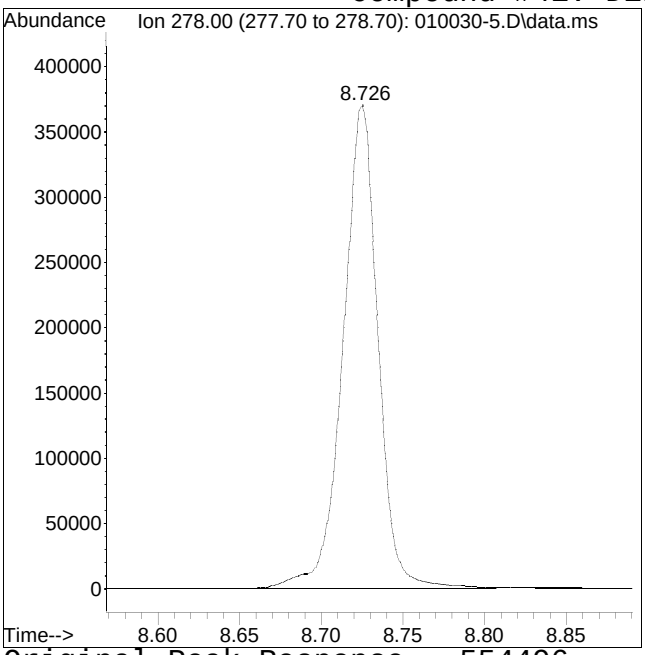


Manual Integration Report

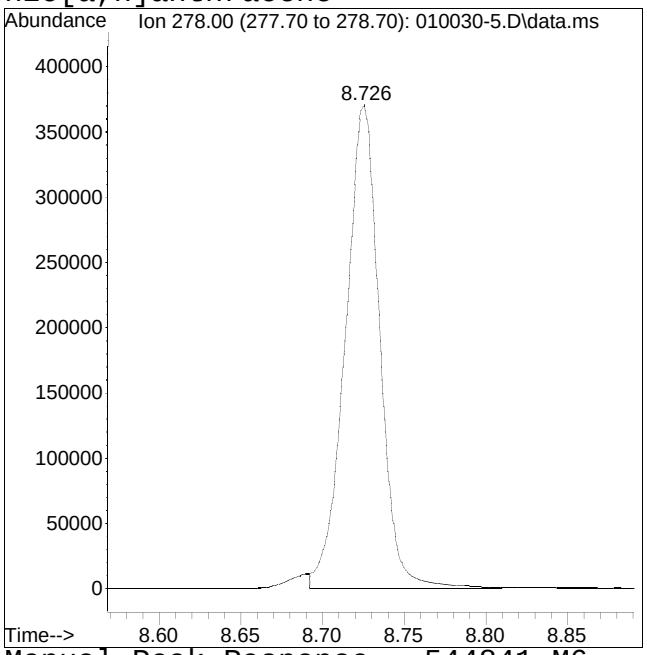
Data Path : I:\8270SIM\SV118\241217RVTQ
Data File : 010030-5.D
Date Inj'd : 12/17/2024 4:50 pm
Sample : WG2010030-5,32,,kmh

Method : SIM-RVT_241025sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 12/17/2024 5:03 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 554496



Manual Peak Response = 544841 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 09:08 am

Work Group: WG2010030 for Department: 2 Organic Preparation

Created: 17-DEC-24 Due: Operator: MAD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473175-01	MW-104 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473175-02	MW-102 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-01	MW-E_20241212	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-02	MW-D_20241212	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-03	MW-C_20241212	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-04	MW-B_20241212	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-05	MW-X_20241212	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
L2473190-06	FIELD BLANK_20241212	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1219	1219	S0	Amber-A.1
WG2010030-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2010030-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2010030-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2010030-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2010030-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2010030-3	WG2010030-2
WG2010030-4	L2473190-01
WG2010030-5	L2473190-01

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 20 2024, 09:08 am

Work Group: WG2011034 for Department: 2 Organic Preparation

Created: 19-DEC-24 Due: Operator: HEO

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2473190-08	MW-A_20241213	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473190-09	MW-F_20241213	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-01	MW-106 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-02	MW-103 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-03	MW-107 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-04	MW-105 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-05	MW-101 ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473569-06	DUP ROUND 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473587-01	MW-D_20241213	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473587-02	MW-X_20241213	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473587-03	FIELD BLANK_20241213	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1220	1220	S0	Amber-A.1
L2473885-01	TW-06	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
L2473885-11	FB-GW-01	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
L2473885-12	FB-01	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
L2473885-13	FB-02	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1223	1223	S0	Amber-A.1
WG2011034-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2011034-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2011034-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2011034-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2011034-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2011034-6	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2011034-7	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2011034-3	WG2011034-2
WG2011034-4	L2473587-01
WG2011034-5	L2473587-01
WG2011034-6	L2473569-01
WG2011034-7	L2473569-01

Analysis log File

Total Files Reported in Log : 15
Log Generated From Directory: I:\8270SIM\SV118\241025RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	L8scan.D	SIM-RVT.M	1000 ng/ml		10/25/2024 2:23 pm
2	L8scana.D	SIM-RVT.M	1000 ng/ml		10/25/2024 2:51 pm
3	TUNE.D	DFTPPRUN.M	TUNE	WG1990947,,ical	10/25/2024 3:53 pm
4	L10.D	SIM-RVT.M	IL10,32,, #10885 5000 n	WG1990947,,ical	10/25/2024 4:43 pm
5	L9.D	SIM-RVT.M	IL9,32,, #10901 2500 ng	WG1990947,,ical	10/25/2024 5:01 pm
6	L8.D	SIM-RVT.M	IL8,32,, #10888 1000 ng	WG1990947,,ical	10/25/2024 5:19 pm
7	L7.D	SIM-RVT.M	IL7,32,, #10889 500 ng/	WG1990947,,ical	10/25/2024 5:37 pm
8	L6.D	SIM-RVT.M	IL6,32,, #10899 100 ng/	WG1990947,,ical	10/25/2024 5:55 pm
9	L5.D	SIM-RVT.M	IL5,32,, #10891 40 ng/m	WG1990947,,ical	10/25/2024 6:12 pm
10	L4.D	SIM-RVT.M	IL4,32,, #10892 10 ng/m	WG1990947,,ical	10/25/2024 6:29 pm
11	L3.D	SIM-RVT.M	IL3,32,, #10893 5 ng/ml	WG1990947,,ical	10/25/2024 6:46 pm
12	L2.D	SIM-RVT.M	IL2,32,, #10900 2 ng/ml	WG1990947,,ical	10/25/2024 7:03 pm
13	L1.D	SIM-RVT.M	IL1,32,, #10895 1 ng/ml	WG1990947,,ical	10/25/2024 7:21 pm
14	ICV.D	SIM-RVT.M	QCICV,32,, #10884 1000	WG1990947,,ical	10/25/2024 7:38 pm
15	instblk.D	SIM-RVT.M			10/25/2024 7:55 pm

Analysis log File

Total Files Reported in Log : 17
Log Generated From Directory: I:\8270SIM\sv120\241105RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1993471	11/5/2024 6:14 am
2	ccvtest.D	fast-SIM-RVT			11/5/2024 6:32 am
3	ccvtesta.D	fast-SIM-RVT			11/5/2024 6:58 am
4	ccvtestb.D	fast-SIM-RVT			11/5/2024 7:14 am
5	IL10.D	fast-SIM-RVT	IL10,32,,5000.0ng/mL lo	WG1993471	11/5/2024 7:30 am
6	IL9.D	fast-SIM-RVT	IL9,32,,2500.0ng/mL lot	WG1993471	11/5/2024 7:47 am
7	IL8.D	fast-SIM-RVT	IL8,32,,1000.0ng/mL lot	WG1993471	11/5/2024 8:03 am
8	IL7.D	fast-SIM-RVT	IL7,32,,500.0ng/mL lot#	WG1993471	11/5/2024 8:19 am
9	IL6.D	fast-SIM-RVT	IL6,32,,100.0ng/mL lot#	WG1993471	11/5/2024 8:36 am
10	IL5.D	fast-SIM-RVT	IL5,32,,40.0ng/mL lot#	WG1993471	11/5/2024 8:52 am
11	IL4.D	fast-SIM-RVT	IL4,32,,10.0ng/mL lot#1	WG1993471	11/5/2024 9:08 am
12	IL3.D	fast-SIM-RVT	IL3,32,,5.0ng/mL lot# 1	WG1993471	11/5/2024 9:24 am
13	IL2.D	fast-SIM-RVT	IL2,32,,2.0ng/mL lot# 1	WG1993471	11/5/2024 9:41 am
14	IL1.D	fast-SIM-RVT	IL1,32,,1.0ng/mL lot# 1	WG1993471	11/5/2024 9:57 am
15	ICV.D	fast-SIM-RVT	CQICV,32,,1000.0ng/mL l	WG1993471	11/5/2024 10:13 am
16	insblk.D	fast-SIM-RVT	instrument blank	WG1993471	11/5/2024 10:29 am
17	ccvtestn.D	fast-SIM-RVT			11/5/2024 4:39 pm

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\SV125\241105nRVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tuneb.D	DFTPP(100ml) TUNE #11079		WG1994329,,ical	11/5/2024 10:48 am
2	IL10.D	fast-SIM-LVI	IL10,32,,5000.0 ng/ml #	WG1994329,,ical	11/5/2024 11:10 am
3	IL9.D	fast-SIM-LVI	IL9,32,,2500.0 ng/ml #1	WG1994329,,ical	11/5/2024 11:26 am
4	IL8.D	fast-SIM-LVI	IL8,32,,1000.0 ng/ml #1	WG1994329,,ical	11/5/2024 11:42 am
5	IL7.D	fast-SIM-LVI	IL7,32,,500.0 ng/ml #10	WG1994329,,ical	11/5/2024 11:58 am
6	IL6.D	fast-SIM-LVI	IL6,32,,100.0 ng/ml #10	WG1994329,,ical	11/5/2024 12:15 pm
7	IL5.D	fast-SIM-LVI	IL5,32,,40.0 ng/ml #108	WG1994329,,ical	11/5/2024 12:31 pm
8	IL4.D	fast-SIM-LVI	IL4,32,,10.0 ng/ml #108	WG1994329,,ical	11/5/2024 12:47 pm
9	IL3.D	fast-SIM-LVI	IL3,32,,5.0 ng/ml #1089	WG1994329,,ical	11/5/2024 1:03 pm
10	IL2.D	fast-SIM-LVI	IL2,32,,2.0 ng/ml #1090	WG1994329,,ical	11/5/2024 1:20 pm
11	IL1.D	fast-SIM-LVI	IL1,32,,1.0 ng/ml #1089	WG1994329,,ical	11/5/2024 1:36 pm
12	ICV.D	fast-SIM-LVI	CQICV,32,, 1.000 Lot#10	WG1994329,,ical	11/5/2024 1:52 pm
13	insblka.D	fast-SIM-LVI		11/5/2024 2:08 pm	

Dep.: GCMS
Inst: SV118
Date: **12/17/24**
Run:

Method
GC: SIM RVT

Seq: WG2010053
ICAL: 21646

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg1217	wg-1,32,,dftpp SV118 lot #11205				12/17 RAP
49	ccv1217	wg-3,32,,ICV 10884 (1130a)				
49	ccv1217a	wg-3,32,,ICV 10884 (1130a)	BAA low, OH high			12/17 RAP
50	blank1217	instrument blank				
1	009699-1	WG2009699-1,32,,kmh				12/17 RAP
2	009699-2	WG2009699-2,32,,kmh				12/17 RAP
3	009699-3	WG2009699-3,32,,kmh				12/17 RAP
4	72245-02	L2472245-02,32,,kmh				12/18 RAP
5	72245-04	L2472245-04,32,,kmh				12/18 RAP
6	122-06d1	L2472122-06d,32,10,kmh				12/18 kmh
7	673-01d1	L2471673-01d,32,10,kmh				12/18 JJW
8	009558-2	WG2009558-2,32,,kmh				12/17 RAP
9	009558-3	WG2009558-3,32,,kmh				12/17 RAP
10	009558-1	WG2009558-1,32,,kmh				12/17 RAP
11	73084-08	L2473084-08,32,,kmh				12/18 kmh
12	73084-09	L2473084-09,32,,kmh				12/18 kmh
13	73084-10	L2473084-10,32,,kmh				12/18 kmh
14	72953-01	L2472953-01,32,,kmh				12/18 kmh
15	72953-02	L2472953-02,32,,kmh				12/18 kmh
16	72953-03	L2472953-03,32,,kmh	10x - OCAL naph			12/18 kmh
17	72953-04	L2472953-04,32,,kmh				12/18 kmh
18	72953-05	L2472953-05,32,,kmh				12/18 kmh
19	009934-2	WG2009934-2,32,,kmh				12/18 JJW
20	009934-3	WG2009934-3,32,,kmh				12/18 JJW
21	009934-1	WG2009934-1,32,,kmh				12/18 JJW
22	71844-02	L2471844-02,32,,kmh			SV-RAP	12/18 JJW
23	009938-2	WG2009938-2,32,,kmh			kmh	12/18 JJW
24	72280-03	L2472280-03,32,,RR(IS),rp				12/17 RAP
25	009938-3	WG2009938-3,32,,kmh				12/18 JJW
26	009938-1	WG2009938-1,32,,kmh				12/18 JJW
27	72716-09	L2472716-09,32,,kmh				12/18 JJW
28	009790-2	WG2009790-2,32,,RR(IS),rp				12/17 RAP
29	009790-3	WG2009790-3,32,,RR(IS),rp				12/17 RAP
30	72058-13	L2472058-13,32,,RR(IS),rp			SV-JJW	12/17 RAP
31	73190-01	L2473190-01,32,,kmh				12/18 JJW
32	010030-4	WG2010030-4,32,,kmh				12/18 JJW
33	010030-5	WG2010030-5,32,,kmh				12/18 JJW
34	73190-02	L2473190-02,32,,kmh				12/18 JJW
35	73190-03	L2473190-03,32,,kmh			RP/sv-m	12/18 JJW
36	09699-2	WG2009699-2,32,,RV,jjw				
37	09699-3	WG2009699-3,32,,RV,jjw			SV-RAP	
38	73190-04	L2473190-04,32,,kmh	RR - low IS			
39	73190-05	L2473190-05,32,,kmh	RR- ott		JJW	12/18 kmh

Dep.: GCMS
Inst: SV120
Date: **12/18/24**
Run:

Method
GC: SIM RVT

Seq: WG2010570
ICAL: ICAL21668 x

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg1218	wg-1,32,, dftpp SV120 lot#11212				12/18 JJW
49	ccv1218	wg-3,32,,ICV 10884 (1130a)	benzo(ghi) low			12/18 JJW
50	blk1218	Instrument Blank				
1	010046-1	WG2010046-1,32,,kmh				12/18 RAP
2	010046-2	WG2010046-2,32,,kmh	RR - LCSD low IS			12/18 RAP
3	010046-3	WG2010046-3,32,,kmh	RR - LCSD low IS			12/18 RAP
4	72878-07	L2472878-07,32,,kmh				slr 12/19
5	72521-02	L2472521-02,32,,kmh	RR - low IS			12/18 JJW
6	72762-03	L2472762-03,32,,kmh	RR - low IS			12/18 JJW
7	73296-01	L2473296-01,32,,kmh	RR - low IS			12/18 RAP
8	73296-02	L2473296-02,32,,kmh	RR - low IS			12/18 RAP
9	73296-03	L2473296-03,32,,kmh	RR - low IS			12/18 RAP
10	73296-04	L2473296-04,32,,kmh	RR - low IS		SV-JJW	12/18 RAP
11	73296-05	L2473296-05,32,,kmh	RR - low IS			12/18 RAP
12	73190-06	L2473190-06,32,,kmh				slr 12/19
13	010028-2	WG2010028-2,32,,kmh	RR - LCSD IS low			12/18 RAP
14	010028-3	WG2010028-3,32,,kmh	RR - LCSD IS low			12/18 RAP
15	010028-1	WG2010028-1,32,,kmh				slr 12/19
16	73419-02	L2473419-02,32,,kmh				slr 12/19
17	73419-03	L2473419-03,32,,kmh	RR - low IS			12/18 RAP
18	73419-04	L2473419-04,32,,kmh				slr 12/19
19	72504-01	L2472504-01,32,,kmh	RR - low IS			12/18 RAP
20	72504-02	L2472504-02,32,,kmh	RR - low IS			12/18 RAP
21	72504-03	L2472504-03,32,,kmh	RR - low IS			12/18 RAP
22	72504-04	L2472504-04,32,,kmh	RR - low IS			12/18 RAP
23	72865-02	L2472865-02,32,,RV,kmh				slr 12/19
24	010046-4	WG2010046-4,32,,kmh	RR - low IS			12/18 RAP
25	010046-5	WG2010046-5,32,,kmh	RR - low IS			12/18 RAP
26	53108-85	L2453108-85,32,,kmh	RR - low IS		kmh/SV	12/18 RAP
27	010561-2	WG2010561-2,32,,rp				slr 12/19
28	010561-3	WG2010561-3,32,,rp				slr 12/19
29	10046-3	WG2010046-3,32,,RR(IS),rp	RV - low IS			slr 12/19
30	010561-1	WG2010561-1,32,,rp	RX/RV HCB >RL (0.05)			slr 12/19
31	73350-20	L2473350-20,32,,rp	RX HCB >RL (0.05)			slr 12/19
32	73350-21	L2473350-21,32,,rp				slr 12/19
33	73350-22	L2473350-22,32,,rp			RAP	slr 12/19
					Sv-kmh	

GCMS
SV125
12/18/24

Method
GC: SIM RVT

Seq: WG2010584
ICAL: 21676

Data File	Sample	CCAL/Notes	Screen	Verified	initials
deg1218	wg-1,32,,dftpp SV125 lot #11212				12/18 JJW
ccv1218	wg-3,32,,ICV 10884 (1130a)	HCBD low			12/18 JJW
blank1218	instrument blank				
010118-1	WG2010118-1,32,,kmh				slr 12/19
010118-2	WG2010118-2,32,,kmh				slr 12/19
010118-3	WG2010118-3,32,,kmh				slr 12/19
010030-1	WG2010030-1,32,,RR(ott),kmh				
73175-01	L2473175-01,32,,RR(ott),kmh				12/19 kmh
73175-02	L2473175-02,32,,RR(ott),kmh				12/19 kmh
73190-05	L2473190-05,32,,RR(ott),kmh				12/19 kmh
73791-36	L2473791-36,32,,R3B,kmh				slr 12/19
73791-67	L2473791-67,32,,R3B,kmh				slr 12/19
73791-68	L2473791-68,32,,R3B,kmh				slr 12/19
73791-69	L2473791-69,32,,R3B,kmh				slr 12/19
72762-03	L2472762-03,32,,RR,kmh				12/18 JJW
72521-02	L2472521-02,32,,RR,kmh				
73296-06	L2473296-06,32,,kmh				
009893-2	WG2009893-2,32,,RR,kmh				12/19 kmh
009893-3	WG2009893-3,32,,RR,kmh				12/19 kmh
73112-06	L2473112-06,32,,RR,kmh				12/19 kmh
73112-08	L2473112-08,32,,RR,kmh			SV-JJW	12/19 kmh
73112-09	L2473112-09,32,,RR,kmh				12/19 kmh
953-03d1	L2472953-03d,32,10,kmh	2x ocal nap		kmh	12/19 kmh
73190-04	L2473190-04,32,,RR(IS),jjw				12/19 kmh
72865-22	L2472865-22,32,,RR(IS),jjw			JJW/SV-RAP	
010553-2	WG2010553-2,32,,rp				12/19 SLR
010553-3	WG2010553-3,32,,rp				12/19 SLR
010553-1	WG2010553-1,32,,rp				12/19 SLR
73350-01	L2473350-01,32,,rp				12/19 SLR
73350-02	L2473350-02,32,,rp				12/19 SLR
73350-03	L2473350-03,32,,rp			RAP	12/19 SLR
				Sv-kmh	

Dep.: GCMS
Inst: SV120
Date: **12/19/24**
Run:

Method
GC: SIM RVT

Seq: WG2011166
ICAL: ICAL21668

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg1219	wg-1,32,, dftpp SV120 lot#11212				12/19 kmh
49	ccv1219	wg-3,32,,ICV 10884 (1130a)				12/19 kmh
50	blk1219	Instrument Blank				
1	010030-2	WG2010030-2,32,RV,kmh				12/19 kmh
2	010030-3	WG2010030-3,32,RV,kmh				12/19 kmh
3	010762-2	WG2010762-2,32,,kmh				slr 12/19
4	010762-3	WG2010762-3,32,,kmh				slr 12/19
5	010762-1	WG2010762-1,32,,kmh				slr 12/19
6	73538-01	L2473538-01,32,,kmh				12/19 sbc
7	73538-02	L2473538-02,32,,kmh				12/19 sbc
8	73538-03	L2473538-03,32,,kmh				12/19 sbc
9	953-03d1	L2472953-03d,32,20,kmh			Sv-gmr	12/19 kmh
10	73538-04	L2473538-04,32,,kmh				12/19 sbc
11	73538-05	L2473538-05,32,,kmh				12/19 sbc
12	73438-01	L2473438-01,32,,kmh				slr 12/19
13	73438-03	L2473438-03,32,,kmh	RX HCB hit			slr 12/19
14	010959-2	WG2010959/1034-2,32,,kmh				12/19 RAP
15	011034-3	WG2010959/1034-3,32,,kmh				12/19 RAP
16	010959-1	WG2010959/1034-1,32,,kmh				12/19 RAP
17	73616-01	L2473616-01,32,,kmh				12/19 RAP
18	011023-2	WG2011023-2,32,,kmh				slr 12/19
19	010561-1	WG2010561-1,32,,RV,kmh	confirmed HCB .RL hit			slr 12/19
20	011023-3	WG2011023-3,32,,kmh				slr 12/19
21	011023-1	WG2011023-1,32,,kmh				slr 12/19
22	011095-2	WG2011095-2,32,,kmh				12/19 sbc
23	011095-3	WG2011095-3,32,,kmh				12/19 sbc
24	011095-1	WG2011095-1,32,,kmh				12/19 sbc
25	74735-01	L2474735-01,32,,R3A,kmh				12/19 sbc
26	74735-02	L2474735-02,32,,R3A,kmh				12/19 sbc
27	74735-03	L2474735-03,32,,R3A,kmh				12/19 sbc
28	74735-04	L2474735-04,32,,R3A,kmh				12/19 sbc
29	74735-05	L2474735-05,32,,R3A,kmh				12/19 sbc
30	74735-06	L2474735-06,32,,R3A,kmh				12/19 sbc
31	74735-07	L2474735-07,32,,R3A,kmh				12/19 RAP
32	74735-08	L2474735-08,32,,R3A,kmh				12/19 RAP
33	74735-09	L2474735-09,32,,R3A,kmh				12/19 RAP
34	74735-13	L2474735-13,32,,R3A,kmh			SV-RAP	12/19 RAP
35	73639-01	L2473639-01,32,,kmh				slr 12/20
36	73639-02	L2473639-02,32,,kmh				slr 12/20
37	73639-03	L2473639-03,32,,kmh				slr 12/20
38	73639-04	L2473639-04,32,,kmh				slr 12/20
39	73639-05	L2473639-05,32,,kmh				slr 12/20
40	73639-06	L2473639-06,32,,kmh			kmh	slr 12/20
					SV-RAP	

Dep.: GCMS
Inst: SV125
Date: **12/19/24**
Run: N

Method
GC: SIM RVT

Seq: WG2011538
ICAL: 21676 x

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg1219n	wg-1,32,,dftpp SV125 lot #11212				slr 12/20
49	ccv1219n	wg-3,32,,ICV 10884 (1130a)				slr 12/20
50	blank1219n	instrument blank				
1	010912-1	WG2010912-1,32,,mrg				slr 12/20
2	010912-2	WG2010912-2,32,,mrg				slr 12/20
3	010912-3	WG2010912-3,32,,mrg				slr 12/20
4	011273-1	WG2011273-1,32,,mrg				slr 12/20
5	011273-2	WG2011273-2,32,,mrg				slr 12/20
6	011273-3	WG2011273-3,32,,mrg				slr 12/20
7	73631-06	L2473631-06,32,,mrg				slr 12/20
8	73587-03	L2473587-03,32,,mrg				slr 12/20
9	73630-01	L2473630-01,32,,mrg				slr 12/20
10	73630-02	L2473630-02,32,,mrg				slr 12/20
11	73630-03	L2473630-03,32,,mrg				slr 12/20
12	73443-06	L2473443-06,32,,mrg	RV, IS low			slr 12/20
13	73443-07	L2473443-07,32,,mrg				slr 12/20
14	73643-01	L2473643-01,32,,mrg	RX, HCB hit in blk			slr 12/20
15	73190-08	L2473190-08,32,,mrg				slr 12/20
16	73190-09	L2473190-09,32,,mrg				slr 12/20
17	73569-01	L2473569-01,32,,mrg				slr 12/20
18	011034-6	WG2011034-6,32,,mrg				slr 12/20
19	011034-7	WG2011034-7,32,,mrg				slr 12/20
20	73569-02	L2473569-02,32,,mrg				slr 12/20
21	73569-03	L2473569-03,32,,mrg				slr 12/20
22	73569-04	L2473569-04,32,,mrg				slr 12/20
23	73569-05	L2473569-05,32,,mrg				slr 12/20
24	73569-06	L2473569-06,32,,mrg				slr 12/20
25	73587-01	L2473587-01,32,,mrg	10x OC PAHs			slr 12/20
26	011034-4	WG2011034-4,32,,mrg	dil'd out			slr 12/20
27	011034-5	WG2011034-5,32,,mrg	dil'd out			slr 12/20
28	73587-02	L2473587-02,32,,mrg	5x OC PAHs			slr 12/20
29	73561-03	L2473561-03,32,,mrg				slr 12/20
30	73561-06	L2473561-06,32,,mrg				slr 12/20
31	73420-01	L2473420-01,32,,mrg	5x MIS, high			slr 12/20
32	73420-02	L2473420-02,32,,mrg				slr 12/20
33	73420-03	L2473420-03,32,,mrg				slr 12/20
34	73420-04	L2473420-04,32,,mrg	5x OC Nap			slr 12/20
35	011120-2	WG2011120-2,32,,mrg				slr 12/20
36	011120-3	WG2011120-3,32,,mrg				slr 12/20
37	011120-1	WG2011120-1,32,,mrg				slr 12/20
38	73714-01	L2473714-01,32,,mrg				slr 12/20
39	73714-02	L2473714-02,32,,mrg				slr 12/20
40	73714-03	L2473714-03,32,,mrg			mrg	slr 12/20
					Sv-hny	

ORGANIC ELN REPORT

Workgroup: WG2010030

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: NBD/JCL
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11164at,05/20/2025,4c,7,1
Lot #: 11106ae-042325, 11092af,03/3

Additional Reagents/Stds

Na2SO4	23K2961078
NaOH	10NNaOH120224
H2SO4	A120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2473175-01 WATER	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473175-02 WATER	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-01 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-02 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-03 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-04 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
L2473190-05 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K

Reported: 20-DEC-24 09:08 AM

ORGANIC ELN REPORT

Workgroup: WG2010030

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2473190-06 SAMP	12/17/24 07:30	Nicholas Dunn	100	<2, >12	.1		12/17/24 14:48	Grace Tran	1	K
WG2010030-1 BLANK	12/17/24 07:30 **WG2010029**	Nicholas Dunn	100	<2, >12	.1		12/17/24 10:18	Grace Tran	1	K
WG2010030-2 LCS	12/17/24 07:30 **WG2010029**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K
WG2010030-3 LCSD	12/17/24 07:30 **WG2010029**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K
WG2010030-4 MS	12/17/24 07:30 **WG2010029**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K
WG2010030-5 MSD	12/17/24 07:30 **WG2010029**	Nicholas Dunn	100	<2, >12	.1	.1	12/17/24 10:18	Grace Tran	1	K

ORGANIC ELN REPORT

Workgroup: WG2011034

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: HEO
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11164av,05/20/2025,4c,7,1
Lot #: 11106ae,04/23/2025,11092af,0

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2473190-08 SAMP	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473190-09 SAMP	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473569-01 WATER	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473569-02 WATER	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 04:03	Annabella Sarfo	1	K
L2473569-03 WATER	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 04:03	Annabella Sarfo	1	K
L2473569-04 WATER	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 04:03	Annabella Sarfo	1	K
L2473569-05 WATER	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K

Reported: 20-DEC-24 09:08 AM

ORGANIC ELN REPORT

Workgroup: WG2011034

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2473569-06 WATER	12/19/24 00:10	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473587-01 SAMP	12/19/24 00:25	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473587-02 SAMP	12/19/24 00:25	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473587-03 SAMP	12/19/24 00:25	Henry Otoo	100	<2, >12	.1		12/19/24 03:48	Annabella Sarfo	1	K
L2473885-01 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
L2473885-11 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
L2473885-12 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
L2473885-13 SAMP	12/19/24 23:26	Amanda Patterson	100	<2, >12	.1		12/20/24 01:11	Shaylee Amidon	1	K
WG2011034-1 BLANK	12/18/24 17:53	Richard Nyarko	100	<2, >12	.1		12/19/24 01:37	Annabella Sarfo	1	K
	WG2011033 WG2010959 WG2010956									
WG2011034-2 LCS	12/18/24 17:53	Richard Nyarko	100	<2, >12	.1	.1	12/19/24 01:37	Annabella Sarfo	1	K

Reported: 20-DEC-24 09:08 AM

ORGANIC ELN REPORT

Workgroup: WG2011034

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG2011034-3 LCSD	12/18/24 17:53	Richard Nyarko	100	<2, >12	.1	.1	12/19/24 01:37	Annabella Sarfo	1	K
WG2011034-4 MS	12/19/24 00:10	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K
WG2011034-5 MSD	12/19/24 00:10	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K
WG2011034-6 MS	12/19/24 00:10	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K
WG2011034-7 MSD	12/19/24 00:10	Henry Otoo	100	<2, >12	.1	.1	12/19/24 03:48	Annabella Sarfo	1	K

ATTACHMENT C
DATA USABILITY SUMMARY REPORTS (DUSRS)

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSES
VOLATILES BY GC/MS METHOD 8260D
SEMIVOLATILES BY GC/MS METHOD 8270E

For Groundwater Samples Collected
December 12, 2024, and December 13, 2024
From Avalon Bay Sun Site – PCW
Collected by AKRF, Inc.
Project No.: 180017

SAMPLE DELIVERY GROUP NUMBER:
L2473190
ALPHA/PACE ANALYTICAL - (ELAP #11148)

SUBMITTED TO:

Stephen Grens
AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016

Cc: Scott Caporizzo/AKRF, Inc.

February 23, 2025

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Lori A. Beyer

(516) 523-7891; email LABValidation@aol.com

Avalon Bay Sun Site - PCW – Data Usability Summary Report (Data Validation): December 2024 Groundwater Sampling Event; - Volatiles and Semivolatiles.

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Sample Receipt

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- 1.6 GC/MS Instrument Performance Check (Tuning)
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- 1.10 Target Compound List Identification
- 1.11 Compound Quantification and Reported Detection Limits
- 1.12 Overall System Performance

2.0 Semivolatile Organics by GC/MS SW846 Method 8270E and Select Analytes by Selective Ion Monitoring (SIM)
- 2.1 Holding Time
- 2.2 Surrogate Recovery
- 2.3 Matrix Spikes (MS), Matrix Spike Duplicates (MSD)
- 2.4 Laboratory Control Sample/Laboratory Control Duplicate
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- 2.8 Internal Standards
- 2.9 Field Duplicates
- 2.10 Target Compound List Identification
- 2.11 Compound Quantification and Reported Detection Limits
- 2.12 Overall System Performance

APPENDICES:

A. Chain of Custody Document and Sample Receipt Checklist
B. Case Narrative
C. Data Summary Form Is with Qualifications

Introduction:

A validation was performed on groundwater samples and the associated quality control (MS/MSD/Field Duplicate/Field Blank/Trip Blank) for organic analysis for samples collected under chain of custody documentation by AKRF, Inc. and submitted to Alpha/Pace Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below with corresponding required analysis. The table below lists all required/analyzed parameters for each sample location.

The samples were analyzed by Alpha/Pace Analytical, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing and data review for groundwater samples consisted of the full compound analyte lists for Volatile Organics and Semivolatile Organics (including select analytes by SIM techniques). The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOPs for 8260, 8270 and Metals and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

Sample ID	Lab ID	Analysis	Date Collected/Received
MW-E_20241212 [Plus, MS/MSD]	L2473190-01	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/12/2024
MW-D_20241212	L2473190-02	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/12/2024
MW-C-20241212	L2473190-03	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/12/2024
MW-B_20241212	L2473190-04	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/12/2024
MW-X_20241212 [Field Duplicate of MW-D_20241212]	L2473190-05	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/12/2024
Field Blank_20241212	L2473190-06	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/12/2024
Trip Blank_20241212	L2473190-07	Volatiles by SW846 Method 8260D	12/12/2024
MW-A_20241213	L2473190-08	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/13/2024
MW-F_20241213	L2473190-09	Volatiles by SW846 Method 8260D Semivolatiles by SW846 Method 8270E	12/13/2024

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high. (Equis qualified, JK)

J- - The result is an estimated quantity, but the result may be biased low. (Equis qualified, JL)

D - Analyte concentration is from diluted analysis.

Sample Receipt:

The Chain of Custody documents indicates that the samples were received at Alpha/Pace Analytical via laboratory courier upon completion of the sampling event. Sample login notes were generated. The cooler temperature for the sample receipt was recorded upon receipt and determined to be acceptable (< 6 degrees C). The actual temperatures (2.0/2.5 degrees C) are recorded on the sample receipt checklist. No problems and/or discrepancies were noted and therefore the integrity of the samples is acceptable.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report. Data validation qualifications have been reported on Form I's and in the Equis file for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260D

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and usable except for non-detects for 1,4-Dioxane in all samples due to low ICAL/CCAL responses as noted within the following text:

1.1 Holding Time

The amount of analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J." The non-detects (sample quantitation limits) are required to be flagged as estimated, "J," or unusable, "R," if the holding times are grossly exceeded.

Samples were analyzed within the method required holding times as well as the technical holding times for data validation. Groundwater, Field, and Trip Blank analysis were performed within holding times of 14 days for HCL preserved vials. The instrument run logs confirm the pH for all samples was <2. No data validation qualifiers were required based upon holding time or sample preservation.

1.2 System Monitoring Compound (Surrogate) Recovery

Samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene were found to be within acceptable limits for surrogate compounds for all analyses.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD analysis was performed on MW-E_20241212. Trans-1,3-dichloropropene (69%), Bromomethane (22%/20%), Vinyl Acetate (64%), and trans-1,4-dichloro-2-butene (60%) recovered below laboratory limits in the MS and/or MSD. Non-detects in the parent sample have been qualified, "UJ." RPD outliers above 20% criteria and reasonable per the methodology were not qualified.

The National Functional Guidelines and EPA Region 2 SOPs state that "No qualifications to the data are necessary based on MS data alone."

1.4 Laboratory Control Sample/Laboratory Control Duplicate

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS/LCS Duplicate was analyzed with each batch. Recovery values and RPD met acceptance criteria with exceptions discussed below:

LCS/LCS Duplicate associated with MW-E_20241212 yielded Bromomethane (33%/27%) below laboratory limits. Non-detects have been qualified, "UJ."

LCS/LCS Duplicate associated with MW-A_20241213, and MW-F_20241213 yielded Bromomethane (33%/27%) below laboratory limits. Non-detects have been qualified, "UJ."

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field Blanks measure cross-contamination of samples during field operations. The following table was utilized to qualify target analyte results due to contamination. The largest value of all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.
**Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed the level in the high calibration standard.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**
The method blank associated with Trip Blank_20241212, Field Blank_20241212, MW-X_20241212, MW-B_20241212, MW-C_20241212, and MW-D_20241212 yielded 2-Butanone at 2.2 ug/L. 2-Butanone was not detected in these sample locations. No qualifiers were applied.

The method blank associated with MW-E_20241212 yielded 2-Butanone at 1.9 ug/L. The laboratory detected concentration (1.9 ug/L) has been negated, "U."

The method blank associated with MW-A_20241213, and MW-F_20241213 yielded 2-Butanone at 1.9 ug/L. The laboratory detected concentration in MW-A_20241213 (2.1 ug/L) and MW-F_20241213 (2.0 ug/L) have been negated, "U."

B) **Field Blank Contamination:**
No target compounds were detected in Field Blank_20241212.

C) **Trip Blank Contamination:**
No target compounds were detected in Trip Blank_20231212.

Acetone, and 2-Butanone are common lab contaminants. The end user should proceed with caution when making decisions based on common contaminants where the analyte could not be negated due to blank contamination. Specifically, Acetone in MW-D_20241212 (17 ug/L), MW-B_20241212 (4.4 ug/L), MW-X_20241212 (16 ug/L), MW-A_20241213 (3.0 ug/L), and MW-F_20241213 (3.8 ug/L).

1.6 GC/MS Instrument Performance Check

GC/MS tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency (once prior to ICAL for 8260D) for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence. The continuing calibration checks support that the instrument is giving satisfactory daily performance. Initial calibration verifications were acceptable.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detection for that compound in the corresponding samples will be rejected, "R." Method 8260D allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be /=>0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane.

Response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) and (>/= 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260D, for the initial and continuing calibrations for all reported analytes except for 1,4-Dioxane (0.001). Non-detects for 1,4-Dioxane in all samples have been rejected and must be considered unreliable.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ." If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R," unusable. Additionally, in cases where the %RSD is >20% and eliminating either the high or the low point of the curve does not restore

the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists.

*Method 8260D allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds.

ICV (second source calibration) met acceptance criteria.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (20%) and (40% for poor responders) for all reported compounds with exceptions noted below:

CCAL VOA130 12/18/2024 – Bromomethane – 46.5%, MTBE – 34.7%, Vinyl Acetate – 24.8%, Carbon Tetrachloride – 23.1%, 1,1-Dichloropropene – 26.5%, 1,2-Dichloropropane – 20.4%, Bromodichloromethane – 23.3%, Chlorodibromomethane – 27.9%, 1,1,1,2-Tetrachloroethane – 22.3%, Bromoform – 30.8%, trans-1,4-Dichloro-2-butene – 29.6%; "UJ" non-detects in Trip Blank_20241212, Field Blank_20241212, MW-X_20241212, MW-B_20241212, MW-C_20241212, and MW-D_20241212.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for analytes quantitated using that IS are qualified as estimated, "J," and all non-detects as "UJ," or "R" if there is a severe loss of sensitivity. If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Samples were spiked with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Acceptable RPD is 25% for liquid samples for concentrations above the reporting limits.

Acceptable precision was observed for MW-D_20241212 as MW-X_20241212 for Trichlorofluoromethane (1.6 ug/L vs. 1.5 ug/L), Benzene (0.50 ug/L vs. 0.50 ug/L), Trichloroethene (0.36 ug/L vs. 0.38 ug/L), Acetone (17 ug/L vs. 16 ug/L), and Naphthalene (28 ug/L vs. 27 ug/L). No qualifiers were applied based on field duplicate data.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP). Samples were analyzed undiluted at 10mls.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed.

2.0 Semivolatile Organics by GC/MS SW846 Method 8270E and Select Analytes by Selective Ion Monitoring (SIM) Techniques.

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits, and overall system performance. The Semivolatile results are valid and usable except for Benzoic Acid non-detects in MW-E_20241212, MW-C_20241212, MW-B_20231212, and Field Blank_20241212 due to <10% LCS/LCS Duplicate recovery as noted within the following text:

2.1 Holding Time

The amount of analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J." The non-detects (sample quantitation limits) are required to be flagged as estimated, "J," or unusable, "R," if the holding times are grossly exceeded.

Samples were extracted and analyzed within the method required holding times and the technical holding times (7 days from collection to extraction and 40 days from extraction to analysis) required for data validation.

2.2 Surrogate Recovery

Samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Samples were spiked with six (6) surrogate standards at the sample extraction portion of analysis. Method allows for one (1) base neutral and one (1) acid recovery to be outside acceptance limits without requiring reextraction/reanalysis. The laboratory is compliant with all surrogate standards meeting acceptance criteria. For validation, recovery values <10% require analytes from that fraction be rejected, "R." Recovery values that are >10% but less than the upper limit require that fraction to be qualified as biased low; estimated, "J-."

Surrogate recovery was acceptable for full scan analysis of all samples. SIM analysis yielded recovery values for Nitrobenzene-d5 (124%), and 2-Fluoropbiphenyl (133%) above laboratory limits in MW-E_20241212, and Nitrobenzene-d5 (123%) in MW-D_202412212. MW-E_20241212 MS and MSD exhibited similar recovery. No qualifiers were applied.

2.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

MS/MSD analysis was conducted on MW-E_20241212. Hexachlorocyclopentadiene (34%/29%), and 4-Chloroaniline (34%) recovered below limits in the MS and/or MSD. Non-detects in the parent sample have been qualified, "UJ." RPD for 4-Chloroaniline and 3-Nitroaniline was above 30%. Data was not qualified based on professional judgment for these compounds. SIM analysis yielded Indeno (1,2,3-cd) pyrene – 150% recovery above laboratory limits. This target analyte was not detected in the parent sample. No additional qualifiers were applied for MS/MSD data.

The National Functional Guidelines provide and allow for flexibility when qualifying the parent sample based on MS/MSD data.

2.4 Laboratory Control Sample/Laboratory Control Duplicate
The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS/LCS Duplicate were analyzed yielding recovery values and RPD within established ranges for SIM scan analysis.

Full scan LCS/LCS Duplicate associated with MW-E_20241212, MW-D_20241212, MW-C_20241212, MW-B_20231212, and MW-X_20241212 yielded Hexachlorocyclopentadiene (24%/32%) below limits. Non-detects have been qualified, "UJ." Additionally, Benzoic Acid (9%/6%) recovered below 10%. Non-detects must be considered unreliable and have been rejected, in MW-E_20241212, MW-C_20241212, and MW-B_20231212. The detected concentration of Benzoic Acid in MW-D_20241212 (6.8 ug/L), and MW-X_20241212 (10 ug/L) have been qualified, biased low, '"J-." RPD for Benzoic Acid (41%) was above limits (30%). No additional qualifiers were applied.

Full scan LCS/LCS Duplicate associated with Field Blank_20241212 yielded Bis (2-chloroisopropyl) ether (39%/33%), Hexachlorocyclopentadiene (30%/25%), 4-Chloroaniline (37%/29%) below laboratory limits. Non-detects have been qualified, "UJ." Additionally, Benzoic Acid (0%/0%) was not recoverable. Non-detects for this compound must be considered unreliable and have been rejected, "R."

LCS/LCS Duplicate associated with MW-A_20241213, and MW-F_20241213 yielded Hexachlorocyclopentadiene (32%/27%), and 2,4-Dimethylphenol (28%) below laboratory limits. Non-detects have been qualified, "UJ."

RPD outliers above 30% criteria and reasonable per the methodology were not qualified.

2.5 Method Blanks
Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations. The following table was utilized to qualify target analyte results due to contamination. The largest value of all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Phthalates (common laboratory contaminants)	Sample Conc. Is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. Is >CRQL and >5x blank value
Other Contaminants	Sample Conc. Is >CRQL, but </=1x blank value	Sample Conc. Is <CRQL and </=1x blank value	Sample Conc. Is >CRQL and >1x blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**
No target analytes were detected in the method blanks associated with sample analysis for both full scan and SIM.

B) **Field Blank Contamination:**
Phenol (1.2 ug/L) was detected in Field Blank_20241212 full scan analysis. Sample results were evaluated based on the above criteria. The laboratory detected concentrations in MW-E_20241212 (1.1 ug/L), MW-D_20241212 (3.0 ug/L), MW-B_20241212 (2.4 ug/L), and MW-X_20241212 (3.2 ug/L) have been negated, "U." The field blank yielded Pentachlorophenol (0.08 ug/L) in the SIM analysis. The laboratory detected concentrations less than the reporting limits in MW-D_20241212 (0.22 ug/L), and MW-X_20241212 (0.28 ug/L) have been negated, "U."

2.6 GC/MS Instrument Performance Check

GC/MS tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for semivolatile organics is decafluorotriphenylphosphine (DFTPP).

Instrument performance was generated within acceptable limits and frequency (once prior to ICAL for 8270E) for decafluorotriphenylphosphine (DFTPP) for all analyses.

2.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks support that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detects for that compound in the corresponding samples will be rejected, "R."

The response factors for the target analytes reported were found to be within acceptable limits (>/=0.05), for the initial (average RRF) and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ." If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R," unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Due to the large number of analytes in this method, it is expected for some analytes to fall outside acceptance criteria and the calibration is still considered valid. Acceptable Initial Calibration Verifications were performed.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) for all reported compounds.

Initial Calibration Verification (ICV) met acceptance criteria for second source for all reported analytes.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (20%) for all reported compounds with exceptions noted below:

CCAL SV106 12/19/2024 – Bis (2-chloroisopropyl) ether – 42.2%; "UJ" non-detects in MW-A_20241213, and MW-F_20241213.

CCAL SV118 12/17/2024 (SIM) – Benzo (a) anthracene – 23.2%; the detected concentrations in MW-E_202412212, and MW-C_20241212 are less than the reporting limits and qualified "J" by the laboratory. No additional qualifiers were applied to these samples. The detected concentration in MW-D_20241212 (0.23 ug/L) has been qualified, "J."

CCAL SV120 12/18/2024 (SIM) – Benzo (g,h,i) perylene – 21.5%; "UJ" non-detects in Field Blank_20241212.

CCAL SV125 12/18/2024 (SIM) – Hexachlorobutadiene – 21.4%, Hexachlorobenzene – 20.7%; "UJ" non-detects in MW-X_20241212, and MW-B_20241212.

CCAL SV125 12/19/2024 (SIM) - Hexachlorobutadiene – 20.5%, Hexachlorobenzene – 20.7%; "UJ" non-detects in MW-A_20241213, and MW-F_20241213.

2.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss

of sensitivity. If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Area responses and retention times fell within established QC ranges for sample analysis.

2.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. An acceptable RPD is 25% for aqueous matrices for detections greater than the reporting limit.

Field Duplicate analysis of MW-D_20241212 as MW-X_202412312 yielded acceptable precision for detected analytes Biphenyl (2.5 ug/L vs. 2.5 ug/L), Dibenzofuran (6.7 ug/L vs 6.1 ug/L), Benzoic Acid (6.8 ug/L vs 10 ug/L), Benzyl Alcohol (3.2 ug/L vs. 3.9 ug/L), and Carbazole (13 ug/L vs 14 ug/L). Benzoic Acid was previously qualified, biased low; "J-." No additional qualifiers were applied to full scan analysis. Benzo (b) Fluoranthene (0.11 ug/L vs 0.05) has been qualified, "J" in the parent sample. No additional qualifiers were applied for analytes detected above the reporting limits.

2.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

Mass spectra meet criteria for all detected analytes.

2.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP). Aqueous samples were extracted by Method 3510C (separatory funnel extraction). Samples were analyzed undiluted.

2.12 Overall System Performance

Acceptable system performance was maintained throughout the analysis. In order to achieve lower reporting levels, PAH compounds and select analytes were performed by selective ion monitoring (SIM) techniques.

Reviewer's Signature Lou'A. Bles **Date** 02/23/2025

Appendix A
Chain of Custody Documents
And Sample Receipt Checklist

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab 12/13/24 | 12/17/24

L2473190 19DEC24
AKRF-M-2

Client Information

Client: AKRF Inc.
Address: 440 Park Ave (W) 34 S. Broadway, White Plains, NY 10601
Phone:
Fax:
Email: sgreen@akrf.com

Project Information

Project Name: Avalon Site - PCW
Project Location: Yonkers, NY
Project # 180017
(Use Project name as Project #) ☐
Project Manager: Steve Green
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Keep SDG open
Cat. B Deliverables, AKRF EQuIS EDD

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other EQuIS EDD

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Total Bottles
73190-01	MW-E_20241212	12/12/24	0843	Ag	CW	x	x	13
02	MW-D_20241212	12/12/24	1027			x	x	5
03	MW-C_20241212	12/12/24	1142			x	x	5
04	MW-B_20241212	12/12/24	1307			x	x	5
05	MW-X_20241212	12/12/24	1030			x	x	5
06	Field Blank_20241212	12/12/24	1250			x	x	5
07	Trip Blank_20241212	12/12/24	1245			x		2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments
MS/MSD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_3$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A											
Preservative	B	A											

Relinquished By:	Date/Time	Received By:	Date/Time
CW	12/12/24 1445	[illegible]	12/12/24 15:40
[illegible]	12/12/24 17:40	[illegible]	12/12/24 1820
[illegible]	12/12/24 22:00	[illegible]	12/12/24 22:00
[illegible]	12/13/24 0030	[illegible]	12/13/24 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/14/24

ALPHA Job #: L2473190

Client Information
Client: AMRF Inc.
Address: 34 S Broadway
White Plains, NY, 10601
Phone:
Fax:
Email: Sgreen@amrf.com

Project Information
Project Name: Avalon Site - PCW
Project Location: Yonkers, NY
Project #: 18007
(Use Project name as Project #) ☐
Project Manager: Steve Green
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other EQuIS EDD

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Close SDG
Cat B. Deliverables AMRF EQuIS EDD

Please specify Metals or TAL.

ANALYSIS
TCL VOCs
TCL SVOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Sample Specific Comments	Total # Bottles
13190 08	MW-A_20241213	12/13/24	757	Aq	CW	X	X		5
09	MW-F_20241213	12/13/24	933	Aq	CW	X	X		5

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A						
Preservative	B	A						

Relinquished By:	Date/Time	Received By:	Date/Time
Client	12/13/24 1534	CHAC PACE	12/13/24 15:30
CHAC	12/13/24 19:05	NJSC	12/13/24 19:05
NJSC	12/13/24 19:05	PACE	12/13/24 19:39
PACE	12/13/24		12/13/24 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

12/14/24 0110

12/14/24 0110

Sample Delivery Group Summary

Pace Job Number : L2473190

Received : 12-DEC-2024
Reviewer : Julie Convery

Account Name : AKRF, Inc.
Project Number : 180017
Project Name : AVALON SITE-PCW

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.5	
B	Absent/	Ice	2.0	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

Appendix B
Case Narrative

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

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Case Narrative (continued)

Report Submission

December 20, 2024: This final report includes the results of all requested analyses.

December 19, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG2010029-2/-3 LCS/LCSD recoveries, associated with L2473190-01 through -05, are below the acceptance criteria for benzoic acid (9%/6%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG2010761-2/-3 LCS/LCSD recoveries, associated with L2473190-06, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Semivolatile Organics by SIM

WG2011034: An MS/MSD was not analyzed because the dilution required by the native sample would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Jiffani Morrissey Report Date: 12/20/24

Title: Technical Director/Representative

Pace

Appendix C
Data Summary Form I's
With Qualifications

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	~~U~~ UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

12/18/24

Pace

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND ~~1.9~~	5.0	1.9	~~U~~ J
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

2/11/2025

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	~~U~~ UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

2/11/2025

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241218N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	UJ

2/11/2025

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	U UJ
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	1.6	2.5	0.70	J
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U UJ
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U UJ
75-25-2	Bromoform	ND	2.0	0.65	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.50	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Jon Bloom 2/11/2025

Pace

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.36	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	~~U~~ UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	17	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

2/11/2025

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	28	2.5	0.70	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Jaci Bo 2/11/2025

Pace

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	UJ

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	~~U~~ UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	~~U~~ UJ
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	~~U~~ UJ
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	~~U~~ UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	~~U~~ UJ
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 22:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	UJ

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	~~U~~ UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	~~U~~ UJ
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	~~U~~ UJ
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	~~U~~ UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	~~U~~ UJ
71-43-2	Benzene	ND	0.50	0.16	~~U~~ ~~UJ~~ U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	~~U~~ UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	4.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N13	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	~~U~~ UJ

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	~~U~~ UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	~~U~~ UJ
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	1.5	2.5	0.70	J
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	~~U~~ UJ
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	~~U~~ UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	~~U~~ UJ
71-43-2	Benzene	0.50	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.38	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	~~U~~ UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	16	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U VJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	27	2.5	0.70	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	UJ

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	U UJ
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U UJ
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U UJ
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	~~U~~ UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	5.0	1.0	U
74-95-3	Dibromomethane	ND	2.5	0.70	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.5	U
107-13-1	Acrylonitrile	ND	2.5	0.70	U
100-42-5	Styrene	ND	5.0	1.0	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.5	U
67-64-1	Acetone	ND	5.0	1.0	U
75-15-0	Carbon disulfide	ND	5.0	1.9	U
78-93-3	2-Butanone	ND	5.0	1.0	~~U~~ UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	2.5	0.70	U
74-97-5	Bromochloromethane				

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U VJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 21:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U UJ

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	U UJ
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U UJ
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U UJ
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	~~U~~ UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-07	Date Collected	: 12/12/24 00:00
Client ID	: TRIP BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 20:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V30241218N10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U UJ

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND ~~2.1~~	5.0	1.9	~~J~~ U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	~~U~~ UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	~~U~~ UJ
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.38	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND ~~2.0~~	5.0	1.9	~~J~~ U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U UJ
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22241219A11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:22
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	~~U~~ UJ
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:22
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	~~U~~ UJ
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	~~ND~~ 11	5.0	0.35	~~U~~ J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:22
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	v R
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Lori Bo
2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-01	Date Collected	: 12/12/24 08:43
Client ID	: MW-E_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/17/24 16:16
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-01	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.28	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.17	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	0.05	0.10	0.03	J
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.03	0.10	0.03	J
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	0.18	0.10	0.04	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Lori Bo
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Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:44
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	~~U~~ UJ
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Jen Br
2/11/2025

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:44
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	2.5	2.0	0.20	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	6.7	2.0	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND ~~2.0~~	5.0	0.35	~~J~~ U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Yoli Bg
2/11/2025

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 03:44
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	6.8	50	2.6	J J-
100-51-6	Benzyl Alcohol	3.2	2.0	0.38	
86-74-8	Carbazole	13.	2.0	0.31	

Jaliba 2/11/2025

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-02	Date Collected	: 12/12/24 10:27
Client ID	: MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/17/24 17:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-02	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	16	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	3.6	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	3.1	0.10	0.02	
56-55-3	Benzo(a)anthracene	0.23	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.06	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.11	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.09	0.10	0.03	J
218-01-9	Chrysene	0.18	0.10	0.03	
208-96-8	Acenaphthylene	0.62	0.10	0.02	
120-12-7	Anthracene	2.1	0.10	0.02	
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	6.2	0.10	0.03	
85-01-8	Phenanthrene	9.7	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	0.08	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.09	0.10	0.02	J
129-00-0	Pyrene	2.4	0.10	0.04	
91-57-6	2-Methylnaphthalene	3.3	0.10	0.03	
87-86-5	Pentachlorophenol	ND ~~0.22~~	0.80	0.06	~~J~~ U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

LOU BS
2/11/2025

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U J
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroanilline	ND	5.0	0.47	U
88-74-4	2-Nitroanilline	ND	5.0	1.0	U
99-09-2	3-Nitroanilline	ND	5.0	1.2	U
100-01-6	4-Nitroanilline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Lori B 2/11/2025

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:07
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	~~U~~ R
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

JOU PS
2/11/2025

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-03	Date Collected	: 12/12/24 11:42
Client ID	: MW-C_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/17/24 17:24
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-03	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.32	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.10	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	0.08	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.04	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.07	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.05	0.10	0.03	J
218-01-9	Chrysene	0.05	0.10	0.03	J
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.06	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.04	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J
129-00-0	Pyrene	0.08	0.10	0.04	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Lori Bor
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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:29
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	~~U~~ UJ
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:29
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND ~~2.4~~	5.0	0.35	~~U~~ J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:29
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U R
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-04	Date Collected	: 12/12/24 13:07
Client ID	: MW-B_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 16:15
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-04	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	~~U~~ UJ
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	~~U~~ UJ
67-72-1	Hexachloroethane	ND	0.80	0.02	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:52
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U UJ
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D-20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:52
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	2.5	2.0	0.20	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	6.1	2.0	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND ~~8.2~~	5.0	0.35	~~+~~ U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 04:52
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	10.	50	2.6	+ J -
100-51-6	Benzyl Alcohol	3.9	2.0	0.38	
86-74-8	Carbazole	14.	2.0	0.31	

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-05	Date Collected	: 12/12/24 10:30
Client ID	: MW-X_20241212 MW-D_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 09:06
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-05	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	16	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	3.5	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	~~U~~ UJ
91-20-3	Naphthalene	4.1	0.10	0.02	
56-55-3	Benzo(a)anthracene	0.22	0.10	0.03	
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.05	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	0.11	0.10	0.03	
208-96-8	Acenaphthylene	0.58	0.10	0.02	
120-12-7	Anthracene	2.8	0.10	0.02	
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	5.6	0.10	0.03	
85-01-8	Phenanthrene	9.2	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	2.3	0.10	0.04	
91-57-6	2-Methylnaphthalene	3.4	0.10	0.03	
87-86-5	Pentachlorophenol	NO ~~0.28~~	0.80	0.06	~~J~~ V
118-74-1	Hexachlorobenzene	ND	0.80	0.01	~~U~~ UJ
67-72-1	Hexachloroethane	ND	0.80	0.02	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 01:54
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U J
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U J
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 01:54
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	~~U~~ UJ
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.2	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 01:54
Sample Matrix	: WATER	Date Extracted	: 12/18/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	~~U~~ R
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Lori Bo
2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-06	Date Collected	: 12/12/24 12:50
Client ID	: FIELD BLANK_20241212	Date Received	: 12/12/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/18/24 10:19
Sample Matrix	: WATER	Date Extracted	: 12/17/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-06	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilMS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	~~U~~ UJ U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	~~U~~ UJ
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.09	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Lori B 2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:02
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	~~U~~ UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	~~U~~ UJ
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

JAW BR
2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:02
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U → UJ
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Jaime Br 2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:02
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-08	Date Collected	: 12/13/24 07:57
Client ID	: MW-A_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/20/24 00:00
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-08	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilMS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	~~U~~ UJ
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	~~U~~ UJ
67-72-1	Hexachloroethane	ND	0.80	0.02	U

2/11/2025

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:25
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	~~U~~ UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	~~U~~ UJ
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Lori Br 2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:25
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	~~U~~ UJ
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Lori Bo 2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/19/24 17:25
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Lori B
2/11/2025

Pace

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: AKRF, Inc.	Lab Number	: L2473190
Project Name	: AVALON SITE-PCW	Project Number	: 180017
Lab ID	: L2473190-09	Date Collected	: 12/13/24 09:33
Client ID	: MW-F_20241213	Date Received	: 12/13/24
Sample Location	: YONKERS, NY	Date Analyzed	: 12/20/24 00:16
Sample Matrix	: WATER	Date Extracted	: 12/19/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 73190-09	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.11	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	~~U~~ UJ
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	0.09	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.10	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.12	0.10	0.03	
207-08-9	Benzo(k)fluoranthene	0.07	0.10	0.03	J
218-01-9	Chrysene	0.07	0.10	0.03	J
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	0.05	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	0.10	0.10	0.02	
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	0.05	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	0.05	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	0.10	0.02	
129-00-0	Pyrene	0.12	0.10	0.04	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	~~U~~ UJ
67-72-1	Hexachloroethane	ND	0.80	0.02	U

2/11/2025

ATTACHMENT D
GROUNDWATER DRUM WASTE DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not required	1	631-608-8810	2484-13125-1

GENERATOR

5. Generator's Name and Mailing Address
Avalon Yonkers Sun Sites, LLC
1499 Post Road
Fairfield CT 06824
Generator's Phone: 201 694-3657

Generator's Site Address (if different than mailing address)
Former Polychrome West
137-145 Alexander Street
Yonkers, NY 10701

6. Transporter 1 Company Name
Brookside Environmental, Inc.
U.S. EPA ID Number: NYR000081661

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Water of New York
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: 718 981-4600
U.S. EPA ID Number: NYD000968545

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-regulated waste, liquid (oily water)	001	DM	00055	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1) Oily water. Approval # 237-399

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph Spano | Signature | Month: 02 | Day: 05 | Year: 25

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Oscar Taveda | Signature | Month: 02 | Day: 05 | Year: 25

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Alexian Taveda | Signature | Month: 02 | Day: 10 | Year: 25

TRANSPORTER #1

APPENDIX G

GEI QUARTERLY/ANNUAL PROGRESS REPORTS

GEI Consultants

Consulting Engineers and Scientists

July 17, 2024
Project 2201010

Via email: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Dear Mr. Starr:

Re: Progress Report – Second Quarter 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the second quarter of 2024.

Site Activities

During the second quarter of 2024, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-9, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q2 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. DNAPL gauging and recovery amounts for the Q2 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55-gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On April 24, May 9, and June 6, 2024, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q2 are provided in Attachment A.

A total of approximately 65.5 gallons of DNAPL were recovered during the reporting period. Since the start of 2024, a total of 209.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2024 are summarized in Table 3.

GEI Consultants, Inc., P.C.
455 Winding Brook Drive, Suite 201, Glastonbury, CT 06033
860.368.5300

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q3 2024:

- Complete DNAPL gauging and removal in Q3 2024 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, and quarterly for NW-9.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q3 2024.

If you have any questions or require any further information, please contact Melissa Abt at Con Edison at 718-204-4331 or via electronic mail at abtm@coned.com.

Sincerely,

GEI CONSULTANTS, INC., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager

Melissa Felter, P.G.
Project Manager

MO/MF:bdp
Attachments: Table 1. Q2 2024 DNAPL Summary
Table 2. 2024 Well Gauging Measurements
Table 3. 2024 DNAPL Recovery Totals
Fig. 1 Site Location Map
Fig. 2 NAPL Recovery & Groundwater Monitoring Well Location Plan
Attachment A. Waste Disposal Manifests
Attachment B. Historic Well Gauging Measurements

c: Glen Moran/ /Jon Vogel/Michael Simpson/ Chadwich Hinckley/Stephanie Lessick, AVB
Marc Godick/Steve Grens, AKRF
Mihir Chokshi/Melissa Abt, Con Edison

Tables

Table 1. Q2 2024 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)					Total DNAPL Removed (Gallons)
	4/24/2024-4/25/2024	5/8/2024-5/9/2024	5/22/2024	6/5/2024-6/6/2024	6/27/2024	Q2 2024
NW-5	**8.50**	**7.75**	**7.80**	**6.25**	**7.60**	**27.0**
NW-6	5.65	**5.85**	**5.49**	**6.35**	**5.56**	**19.5**
NW-8	**1.25**	0.38	NA	**1.05**	NA	**5.5**
NW-9	0.25	NA	NA	NA	NA	NA
NW-10	**2.05**	**0.91**	0.42	**1.00**	**1.05**	**12.0**
NW-11	0.40	**0.55**	NA	0.20	NA	**1.5**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/25/2024	11:00 AM	6.39	NA	20.35	NA	
NW-3	4/25/2024	11:15 AM	6.62	NA	32.98	NA	
NW-4	4/25/2024	11:30 AM	8.85	NA	43.20	NA	
	5/22/2024	12:00 PM	8.38	NA	43.30	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**1/4/2024**	**10:30 AM**	**6.60**	**29.86**	**37.28**	**7.42**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	1/17/2024	NA	NA	NA	NA	NA	No more drum space, could not recover.
	1/31/2024	**9:55 AM**	**7.54**	**29.50**	**37.30**	**7.80**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	2/15/2024	12:00 PM	7.77	29.90	36.57	6.67	Pump malfunction, could not recover.
	2/28/2024	**11:35 AM**	**8.49**	**29.70**	**37.18**	**7.48**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**11:30 AM**	**7.01**	**29.48**	**37.38**	**7.90**	**Pre-pumping measurement ~7.5 gallons removed**
	3/27/2024	**12:00 PM**	**7.21**	**29.97**	**37.18**	**6.29**	**Pre-pumping measurement ~4 gallons removed**
	4/25/2024	**9:00 AM**	**8.20**	**28.75**	**37.25**	**8.50**	**Pre-pumping measurement ~7.5 gallons removed**
	5/9/2024	**11:00 AM**	**8.30**	**29.48**	**37.23**	**7.75**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**11:00 AM**	**6.81**	**29.51**	**37.31**	**7.80**	**Pre-pumping measurement ~5 gallons removed**
	6/5/2024	**10:00 AM**	**7.47**	**31.06**	**37.31**	**6.25**	**Pre-pumping measurement ~4.5 gallons removed**
	6/27/2024	**11:15 AM**	**8.52**	**29.61**	**37.21**	**7.60**	**Pre-pumping measurement ~5 gallons removed**
NW-6	**1/4/2024**	**9:00 AM**	**9.01**	**31.60**	**36.80**	**5.20**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/17/2024	**10:10 AM**	**8.97**	**31.70**	**36.80**	**5.10**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/31/2024	**1:45 PM**	**8.00**	**33.76**	**36.80**	**5.34**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	2/14/2024	**12:55 PM**	**8.68**	**31.40**	**36.66**	**5.26**	**Pre-pumping measurement ~5 gallons removed**
	2/28/2024	**9:40 AM**	**9.40**	**31.66**	**36.66**	**5.00**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**8:45 AM**	**8.75**	**29.96**	**36.80**	**6.84**	**Pre-pumping measurement ~2 gallons removed (metal pipe blocked air line)**
	3/27/2024	**9:15 AM**	**9.32**	**30.78**	**36.80**	**6.02**	**Pre-pumping measurement ~5 gallons removed**
	4/24/2024	8:45 AM	8.54	31.15	36.80	5.65	Tubing malfunction, could not recover.
	5/9/2024	**9:00 AM**	**8.18**	**30.97**	**36.82**	**5.85**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**9:30 AM**	**8.65**	**31.31**	**36.80**	**5.49**	**Pre-pumping measurement ~4.5 gallons removed**
	6/5/2024	**9:00 AM**	**8.81**	**30.45**	**36.80**	**6.35**	**Pre-pumping measurement ~5.5 gallons removed**
	6/27/2024	**9:15 AM**	**9.00**	**31.24**	**36.80**	**5.56**	**Pre-pumping measurement ~4.5 gallons removed**
NW-7	4/25/2024	10:35 AM	9.60	NA	22.87	NA	
NW-8	**1/3/2024**	**10:00 AM**	**10.36**	**35.35**	**36.15**	**0.80**	**Pre-pumping measurement ~2 gallons removed**
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**9:15 AM**	**9.98**	**34.62**	**36.22**	**1.60**	**Pre-pumping measurement ~4 gallons removed**
	4/24/2024	**12:30 PM**	**9.60**	**34.98**	**36.23**	**1.25**	**Pre-pumping measurement ~3 gallons removed**
	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
NW-9	1/3/2024	10:15 AM	10.40	33.06	33.36	0.30	
	4/24/2024	12:45 PM	9.77	33.08	33.33	0.25	
NW-10	**1/3/2024**	**11:00 AM**	**10.46**	**33.07**	**33.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	1/17/2024	**9:10 AM**	**10.40**	**32.10**	**33.60**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	1/31/2024	8:35 AM	10.82	32.82	33.62	0.70	Pump malfunction, could not recover.
	2/14/2024	**9:30 AM**	**10.33**	**32.99**	**33.74**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	2/28/2024	**10:20 AM**	**11.05**	**32.71**	**33.73**	**1.02**	**Pre-pumping measurement ~2 gallons removed**
	3/13/2024	**10:20 AM**	**10.22**	**31.67**	**33.57**	**1.90**	**Pre-pumping measurement ~4.5 gallons removed**
	3/27/2024	**11:10 AM**	**9.81**	**32.01**	**33.51**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	**1:05 PM**	**9.50**	**31.55**	**33.60**	**2.05**	**Pre-pumping measurement ~6 gallons removed**
	5/9/2024	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement ~2 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement ~2 gallons removed**
NW-10S	4/24/2024	1:15 PM	10.04	NA	17.85	NA	
NW-11	1/3/2024	9:40 AM	3.80	22.38	22.83	0.45	
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**3.75**	**21.51**	**22.81**	**1.30**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	3.90	22.44	22.84	0.40	
	5/8/2024	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
NW-12	4/25/2024	10:20 AM	3.91	NA	21.11	NA	

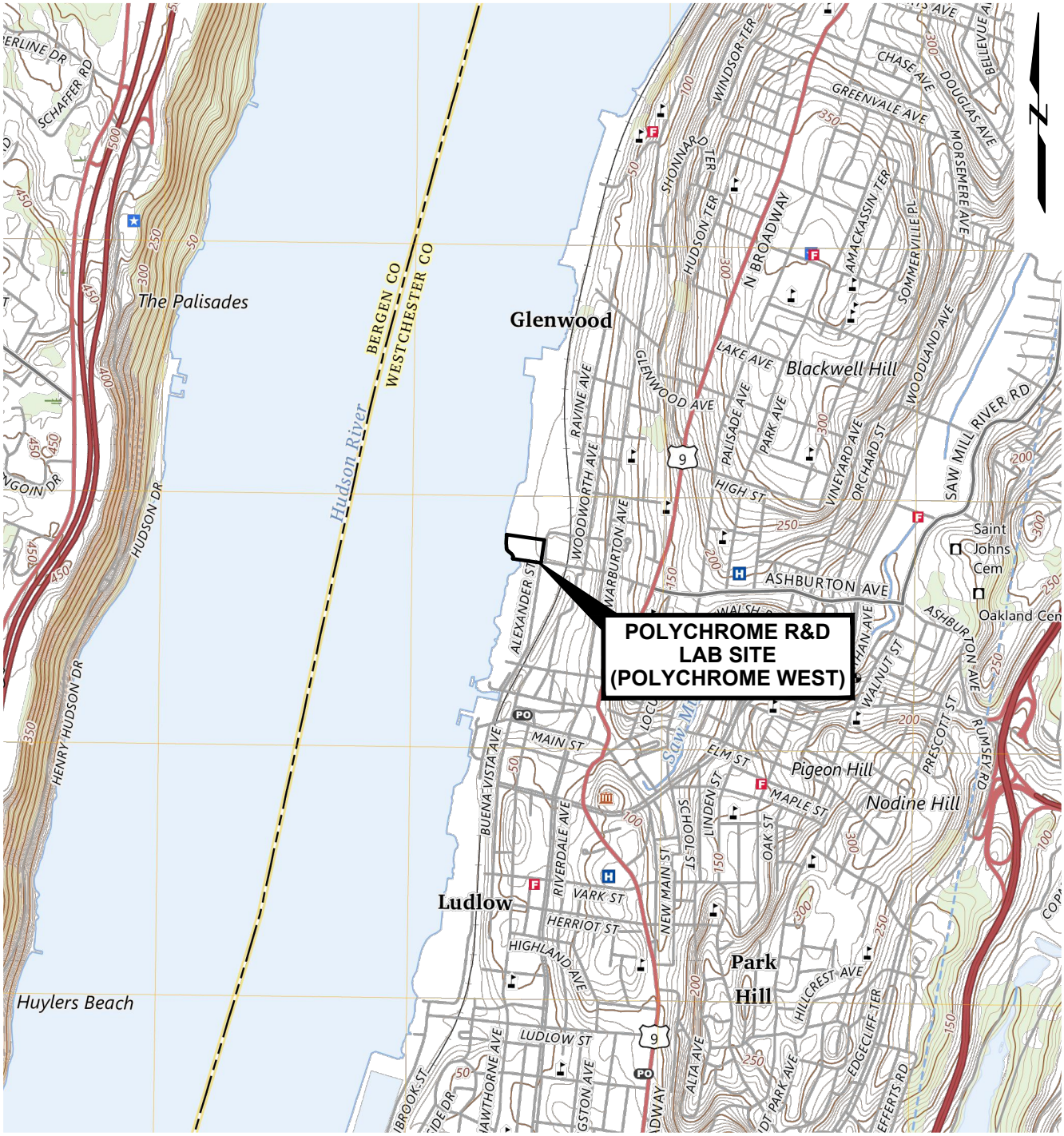
Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2024 DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA							**0.00**
NW-3	NA	NA	NA	NA	NA	NA							**0.00**
NW-4	NA	NA	NA	NA	NA	NA							**0.00**
NW-5	**40.0**	**5.0**	**11.5**	**7.5**	**10.0**	**9.50**							**83.50**
NW-6	**45.0**	**10.0**	**7.0**	NA	**9.5**	**10.0**							**81.50**
NW-7	NA	NA	NA	NA	NA	NA							**0.00**
NW-8	**2.0**	NA	**4.0**	**3.0**	NA	**2.50**							**11.50**
NW-9	NA	NA	NA	NA	NA	NA							**0.00**
NW-10	**4.5**	**4.0**	**7.5**	**6.0**	**2.0**	**4.0**							**28.00**
NW-11	NA	NA	**3.0**	NA	**1.5**	NA							**4.50**
NW-12	NA	NA	NA	NA	NA	NA							**0.00**
Event Total	**91.50**	**19.00**	**33.00**	**16.50**	**23.00**	**26.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**209.00**
Date Generated	1/3/2024, 1/4/2024, 1/17/2024, 1/31/2024	2/14/2024, 2/15/2024, 2/28/2024	3/13/2024, 3/14/2024, 3/27/2024	4/24/2024, 4/25/2024	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024							
Off-Site Disposal Date	1/3/2024, 1/31/2024	2/28/2024	3/27/2024	4/24/2024, 5/9/2024	5/9/2024, 6/6/2024	6/6/2024							
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey							

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures



SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	July 2024 Fig. 1

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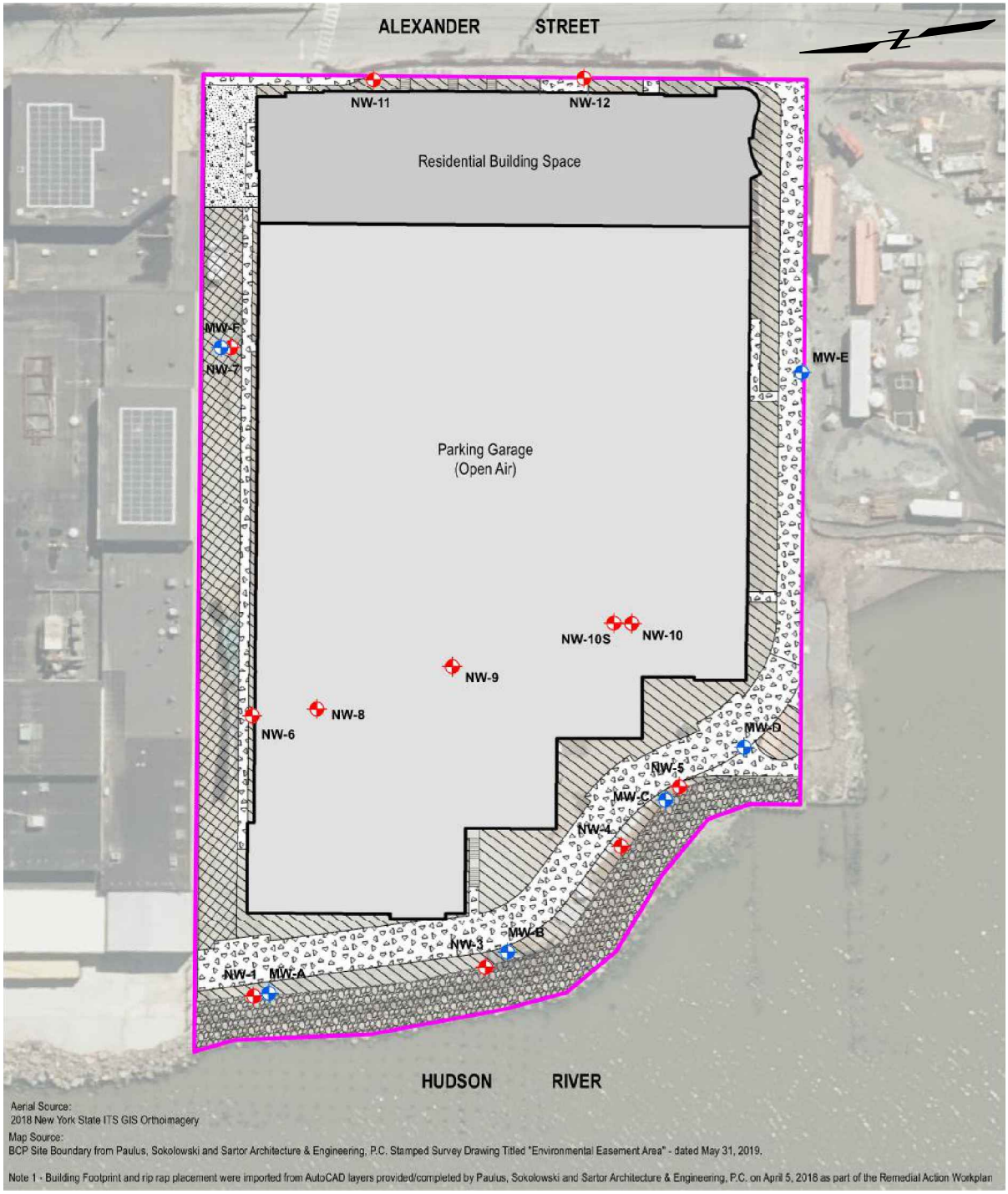


LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 80 160

SCALE: 1" = 80'

Quarterly Progress Report
Polychrome West (PCW)
Yonkers, New York

Consolidated Edison Company of New York, Inc.
Long Island City, New York

GEI Consultants

NAPL RECOVERY AND GROUNDWATER MONITORING WELLS

Project 2201010 | July 2024 | Fig. 2

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023

Attachment A

Waste Disposal Manifests

Please print or type. 2430682 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	018014870 FLE

5. Generator's Name and Mailing Address: Consolidated Edison of NY Inc-Att: Melissa Felter
212-580-8383
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 718-204-4100

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.-CENJ — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
U.S. EPA ID Number: NJD991291105
Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	2 1	DM	10	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	2 1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz. ER Provider Melissa Felter Order#: 2430682 - Note:
(2) ERG#171: 2230800135 - Purged NAPL and

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month 4 Day 24 Year 24

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chris Ifelli — Signature — Month 4 Day 24 Year 24
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Peter Lange — Signature — Month 4 Day 26 Year 24

2435085

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606080717	018008442 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att: Melissa Felter
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name
WT Transport Inc

U.S. EPA ID Number
NJR986628162

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004

U.S. EPA ID Number
NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	75	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz. ER Provider Melissa Felter Order#: 2435085 - Note:

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jaime Rivera
Signature: Jaime Rivera
Month 5 Day 9 Year 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella
Signature:
Month 5 Day 9 Year 24
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Received Pending Manifest Review/Quality Control Date
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Peter Lange
Signature:
Month 5 Day 13 Year 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

2581636

Please print or type

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	018007942 FLE

GENERATOR

5. Generator's Name and Mailing Address: Consolidated Edison of NY Inc-Att: Melissa Felter
212-580-8383
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone:

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	13	DM	250	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz. ER Provider Melissa Felter Order#: 2581636 - Note:
(2) ERG#171: 2230800135 - Purged NAPL and

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jaime Rivera — Signature: Jaime Rivera — Month: 6 Day: 6 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Adam Mella — Signature: — Month: 6 Day: 6 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Received Pending Manifest Review/Quality Control Data
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H141	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Attachment B

Historic Well Gauging Measurements

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
				5.86	ND	11.16	NA	NA	
	1/7/1900	1:12 PM	42	5.96	ND	11.20	NA	NA	
	11/4/2020	4:19 AM	14.5	6.42	ND	11.21	NA	NA	
	1/0/1900	7:12 PM	2.2	5.82	ND	11.28	NA	NA	
	1/0/1900	ND	ND	3.20	ND	11.17	NA	NA	
	1/1/1900	1:12 AM	4.79	5.75	ND	11.19	NA	NA	
	1/0/1900	12:43 PM	2.5	4.96	ND	11.18	NA	NA	
	1/13/2021	7:30 AM	ND	5.18	ND	11.16	NA	NA	
	1/27/2021	8:15 AM	ND	4.25	ND	11.33	NA	NA	
	2/8/2021	9:00 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:10 AM	ND	4.91	ND	11.28	NA	NA	
	3/10/2021	8:15 AM	ND	5.28	ND	11.25	NA	NA	
MW-A	3/24/2021	8:02 AM	ND	4.91	ND	11.19	NA	NA	
	4/7/2021	8:30 AM	ND	4.27	ND	11.18	NA	NA	
	4/21/2021	9:10 AM	ND	5.17	ND	11.15	NA	NA	
	5/5/2021	8:30 AM	ND	4.40	ND	11.19	NA	NA	
	5/17/2021	8:30 AM	ND	5.92	ND	11.18	NA	NA	
	6/2/2021	8:09 AM	ND	5.39	ND	11.19	NA	NA	
	6/16/2021	8:50 AM	ND	5.79	ND	11.32	NA	NA	
	6/30/2021	8:33 AM	ND	5.95	ND	11.25	NA	NA	
	6/16/2021	8:50 AM	ND	5.79	ND	11.32	NA	NA	
	6/30/2021	8:33 AM	ND	5.95	ND	11.25	NA	NA	
	7/14/2021	8:10 AM	ND	5.72	ND	11.24	NA	NA	
	7/27/2021	7:57 AM	ND	5.67	ND	11.21	NA	NA	
	12/21/2021	10:00 AM	ND	4.74	ND	11.56	NA	NA	
	10/7/2020	9:20 AM	ND	9.10	ND	12.68	NA	NA	
	10/21/2020	8:15 AM	ND	9.22	ND	12.70	NA	NA	
	11/4/2020	6:00 AM	ND	9.54	ND	12.89	NA	NA	
	11/18/2020	9:45 AM	ND	9.08	ND	13.03	NA	NA	
	12/1/2020	8:30 AM	ND	7.25	ND	12.78	NA	NA	
	12/16/2020	8:05 AM	ND	9.18	ND	12.75	NA	NA	
	12/29/2020	8:10 AM	ND	8.25	ND	12.78	NA	NA	
	12/16/2020	8:05 AM	ND	9.18	ND	12.75	NA	NA	
	12/29/2020	8:10 AM	ND	8.25	ND	12.78	NA	NA	
	1/13/2021	7:35 AM	ND	8.17	ND	12.72	NA	NA	
	1/27/2021	8:10 AM	ND	7.98	ND	12.92	NA	NA	
	2/8/2021	8:50 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:05 AM	ND	8.24	ND	12.81	NA	NA	
MW-B	3/10/2021	8:25 AM	ND	8.27	ND	12.82	NA	NA	
	3/24/2021	8:07 AM	ND	8.14	ND	12.74	NA	NA	
	4/7/2021	8:35 AM	ND	7.81	ND	12.77	NA	NA	
	4/21/2021	9:15 AM	ND	8.28	ND	12.76	NA	NA	
	5/5/2021	8:35 AM	ND	7.59	ND	12.72	NA	NA	
	5/17/2021	8:35 AM	ND	9.14	ND	12.72	NA	NA	
	6/2/2021	8:14 AM	ND	8.15	ND	12.73	NA	NA	
	6/16/2021	8:55 AM	ND	9.08	ND	12.85	NA	NA	
	6/30/2021	8:30 AM	ND	9.19	ND	12.81	NA	NA	
	7/14/2021	8:15 AM	ND	9.13	ND	12.81	NA	NA	
	7/27/2021	7:54 AM	ND	9.17	ND	12.86	NA	NA	
	7/14/2021	8:15 AM	ND	9.13	ND	12.81	NA	NA	
	7/27/2021	7:54 AM	ND	9.17	ND	12.86	NA	NA	
	12/21/2021	10:33 AM	ND	8.05	ND	12.86	NA	NA	
	10/7/2020	9:25 AM	ND	8.39	ND	12.83	NA	NA	
	10/21/2020	8:12 AM	ND	8.43	ND	12.47	NA	NA	
	11/4/2020	6:05 AM	ND	8.50	ND	12.59	NA	NA	
	11/18/2020	9:50 AM	ND	7.87	ND	12.35	NA	NA	
	12/1/2020	8:35 AM	ND	5.89	ND	12.37	NA	NA	
	12/16/2020	8:00 AM	ND	7.80	ND	12.31	NA	NA	
	12/29/2020	8:05 AM	ND	7.19	ND	12.42	NA	NA	
	1/13/2021	7:30 AM	ND	7.31	ND	12.49	NA	NA	
	1/27/2021	8:05 AM	ND	6.85	ND	12.54	NA	NA	
	2/8/2021	8:40 AM	ND	7.24	ND	12.50	NA	NA	
	2/24/2021	8:00 AM	ND	7.20	ND	12.45	NA	NA	
	3/10/2021	8:30 AM	ND	7.31	ND	12.43	NA	NA	
	3/24/2021	8:10 AM	ND	7.21	ND	12.35	NA	NA	
MW-C	3/10/2021	8:30 AM	ND	7.31	ND	12.43	NA	NA	
	3/24/2021	8:10 AM	ND	7.21	ND	12.35	NA	NA	
	4/7/2021	8:40 AM	ND	6.11	ND	12.36	NA	NA	
	4/21/2021	9:20 AM	ND	7.41	ND	12.36	NA	NA	
	5/5/2021	8:40 AM	ND	6.71	ND	12.36	NA	NA	
	5/17/2021	8:40 AM	ND	8.30	ND	12.30	NA	NA	
	6/2/2021	8:20 AM	ND	7.73	ND	12.31	NA	NA	
	6/16/2021	8:58 AM	ND	8.37	ND	12.56	NA	NA	
	6/30/2021	8:25 AM	ND	7.40	ND	12.40	NA	NA	
	7/14/2021	8:20 AM	ND	8.10	ND	12.41	NA	NA	
	6/30/2021	8:25 AM	ND	7.40	ND	12.40	NA	NA	
	7/14/2021	8:20 AM	ND	8.10	ND	12.41	NA	NA	
	7/27/2021	7:51 AM	ND	8.29	ND	12.64	NA	NA	
	12/21/2021	11:50 AM	ND	6.99	ND	12.55	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
MW-D	10/7/2020	9:35 AM	ND	8.60	ND	15.95	NA	NA	
	10/21/2020	8:10 AM	ND	8.45	ND	15.83	NA	NA	
	11/4/2020	6:10 AM	ND	9.27	ND	16.02	NA	NA	
	11/18/2020	9:55 AM	ND	8.93	ND	16.18	NA	NA	
	12/1/2020	8:40 AM	ND	7.86	ND	15.94	NA	NA	
	12/16/2020	7:55 AM	ND	8.91	ND	15.86	NA	NA	
	12/29/2020	8:00 AM	ND	8.75	ND	15.91	NA	NA	
	1/13/2021	7:55 AM	ND	8.92	ND	15.96	NA	NA	
	1/27/2021	8:00 AM	ND	8.65	ND	16.02	NA	NA	
	1/13/2021	7:55 AM	ND	8.92	ND	15.96	NA	NA	
	1/27/2021	8:00 AM	ND	8.65	ND	16.02	NA	NA	
	2/8/2021	8:30 AM	ND	8.72	ND	15.92	NA	NA	
	2/24/2021	7:50 AM	ND	8.61	ND	15.93	NA	NA	
	3/10/2021	8:40 AM	ND	9.06	ND	15.96	NA	NA	
	3/24/2021	8:12 AM	ND	8.87	ND	15.92	NA	NA	
	4/7/2021	8:45 AM	ND	8.42	ND	15.90	NA	NA	
	4/21/2021	9:25 AM	ND	8.32	ND	15.87	NA	NA	
	5/5/2021	8:45 AM	ND	7.96	ND	15.83	NA	NA	
	5/17/2021	8:45 AM	ND	8.69	ND	15.83	NA	NA	
	6/2/2021	8:25 AM	ND	8.31	ND	15.84	NA	NA	
	6/16/2021	9:01 AM	ND	8.40	ND	16.01	NA	NA	
	6/2/2021	8:25 AM	ND	8.31	ND	15.84	NA	NA	
	6/16/2021	9:01 AM	ND	8.40	ND	16.01	NA	NA	
	6/30/2021	8:20 AM	ND	8.86	ND	15.96	NA	NA	
	7/14/2021	8:25 AM	ND	8.21	ND	15.91	NA	NA	
	7/27/2021	7:48 AM	ND	8.15	ND	15.98	NA	NA	
	12/23/2021	7:50 AM	ND	8.80	ND	16.30	NA	NA	
MW-E	10/7/2020	9:40 AM	ND	8.72	ND	12.70	NA	NA	
	10/21/2020	8:05 AM	ND	8.97	ND	12.75	NA	NA	
	11/4/2020	6:15 AM	ND	9.15	ND	12.63	NA	NA	
	11/18/2020	10:00 AM	ND	8.54	ND	12.59	NA	NA	
	12/1/2020	8:45 AM	ND	7.39	ND	12.67	NA	NA	
	12/16/2020	7:50 AM	ND	8.81	ND	12.51	NA	NA	
	12/1/2020	8:45 AM	ND	7.39	ND	12.67	NA	NA	
	12/16/2020	7:50 AM	ND	8.81	ND	12.51	NA	NA	
	12/29/2020	7:55 AM	ND	8.27	ND	12.53	NA	NA	
	1/13/2021	8:00 AM	ND	8.64	ND	12.72	NA	NA	
	1/27/2021	7:45 AM	ND	7.98	ND	12.67	NA	NA	
	2/8/2021	8:20 AM	ND	8.11	ND	12.53	NA	NA	
	2/24/2021	7:45 AM	ND	7.90	ND	12.57	NA	NA	
	3/10/2021	8:45 AM	ND	8.39	ND	12.57	NA	NA	
	3/24/2021	8:14 AM	ND	8.11	ND	12.71	NA	NA	
	4/7/2021	8:50 AM	ND	7.77	ND	12.51	NA	NA	
	4/21/2021	9:30 AM	ND	8.06	ND	12.51	NA	NA	
	5/5/2021	8:50 AM	ND	7.54	ND	12.68	NA	NA	
	4/21/2021	9:30 AM	ND	8.06	ND	12.51	NA	NA	
	5/5/2021	8:50 AM	ND	7.54	ND	12.68	NA	NA	
	5/17/2021	8:50 AM	ND	9.06	ND	12.70	NA	NA	
	6/2/2021	8:30 AM	ND	8.70	ND	12.63	NA	NA	
	6/16/2021	9:05 AM	ND	9.08	ND	12.59	NA	NA	
	6/30/2021	8:15 AM	ND	9.14	ND	12.70	NA	NA	
	7/14/2021	8:00 AM	ND	8.96	ND	12.55	NA	NA	
	7/27/2021	7:46 AM	ND	8.89	ND	12.72	NA	NA	
	12/23/2021	9:50 AM	ND	8.91	ND	12.78	NA	NA	
MW-F	10/7/2020	8:45 AM	ND	9.39	ND	17.61	NA	NA	
	10/21/2020	9:00 AM	ND	9.16	ND	17.65	NA	NA	
	11/4/2020	6:25 AM	ND	9.25	ND	17.73	NA	NA	
	11/18/2020	9:35 AM	ND	9.41	ND	18.19	NA	NA	
	11/4/2020	6:25 AM	ND	9.25	ND	17.73	NA	NA	
	11/18/2020	9:35 AM	ND	9.41	ND	18.19	NA	NA	
	12/1/2020	8:20 AM	ND	9.14	ND	17.69	NA	NA	
	12/16/2020	8:15 AM	ND	9.53	ND	17.57	NA	NA	
	12/29/2020	8:20 AM	ND	9.29	ND	17.68	NA	NA	
	1/13/2021	7:25 AM	ND	9.55	ND	17.96	NA	NA	
	1/27/2021	8:20 AM	ND	9.77	ND	17.75	NA	NA	
	2/8/2021	9:05 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:15 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	8:50 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/24/2021	8:19 AM	ND	9.45	ND	17.60	NA	NA	
	4/7/2021	8:55 AM	ND	9.20	ND	17.67	NA	NA	
	3/24/2021	8:19 AM	ND	9.45	ND	17.60	NA	NA	Innaccessible due to snow coverage
	4/7/2021	8:55 AM	ND	9.20	ND	17.67	NA	NA	
	4/21/2021	8:55 AM	ND	9.08	ND	17.65	NA	NA	
	5/5/2021	9:00 AM	ND	9.05	ND	17.58	NA	NA	
	5/17/2021	8:55 AM	ND	9.51	ND	17.58	NA	NA	
	6/2/2021	8:05 AM	ND	8.90	ND	17.60	NA	NA	
	6/16/2021	8:00 AM	ND	9.02	ND	17.69	NA	NA	
	6/30/2021	8:37 AM	ND	9.47	ND	17.69	NA	NA	
	7/14/2021	8:05 AM	ND	8.69	ND	17.65	NA	NA	
	7/27/2021	8:01 AM	ND	8.58	ND	17.69	NA	NA	
	12/21/2021	8:27 AM	ND	10.86	ND	17.70	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-1	10/7/2020	9:05 AM	ND	7.68	ND	20.31	NA	NA	
	10/21/2020	9:05 AM	ND	7.77	ND	20.42	NA	NA	
	11/4/2020	6:55 AM	ND	8.12	ND	20.42	NA	NA	
	11/18/2020	10:20 AM	ND	7.74	ND	21.25	NA	NA	
	12/1/2020	9:30 AM	ND	5.02	ND	20.28	NA	NA	
	12/16/2020	9:15 AM	ND	7.40	ND	20.34	NA	NA	
	12/29/2020	9:15 AM	ND	6.81	ND	20.34	NA	NA	
	1/13/2021	8:40 AM	ND	6.67	ND	20.36	NA	NA	
	1/27/2021	9:05 AM	ND	6.02	ND	20.39	NA	NA	
	2/8/2021	9:15 AM	ND	6.93	ND	20.45	NA	NA	
	2/24/2021	9:15 AM	ND	6.81	ND	26.47	NA	NA	
	3/10/2021	10:15 AM	ND	7.19	ND	26.39	NA	NA	
	3/24/2021	9:08 AM	ND	6.95	ND	20.43	NA	NA	
	4/7/2021	9:00 AM	ND	6.34	ND	20.33	NA	NA	
	4/21/2021	9:00 AM	ND	7.30	ND	20.34	NA	NA	
	5/5/2021	9:45 AM	ND	6.70	ND	20.33	NA	NA	
	5/17/2021	9:20 AM	ND	7.74	ND	20.34	NA	NA	
	6/2/2021	9:19 AM	ND	7.43	ND	20.31	NA	NA	
	6/16/2021	9:43 AM	ND	7.61	ND	20.43	NA	NA	
	6/30/2021	9:00 AM	ND	7.89	ND	20.40	NA	NA	
	7/14/2021	9:00 AM	ND	7.46	ND	20.41	NA	NA	
	7/27/2021	8:43 AM	ND	7.40	ND	20.41	NA	NA	
	8/11/2021	11:05 AM	ND	6.75	ND	20.42	NA	NA	
	8/23/2021	9:50 AM	ND	5.15	ND	20.44	NA	NA	
	9/8/2021	8:37 AM	ND	6.95	ND	20.43	NA	NA	
	9/21/2021	10:05 AM	ND	5.93	ND	20.48	NA	NA	
	10/7/2021	10:03 AM	ND	5.66	ND	20.36	NA	NA	
	10/20/2021	7:45 AM	ND	7.37	ND	20.34	NA	NA	
	11/4/2021	10:20 AM	ND	5.16	ND	20.45	NA	NA	
	11/17/2021	7:45 AM	ND	6.53	ND	20.47	NA	NA	
	12/1/2021	9:55 AM	ND	7.43	ND	20.41	NA	NA	
	12/14/2021	8:20 AM	ND	7.90	ND	20.41	NA	NA	
	12/28/2021	10:30 AM	ND	7.21	ND	20.40	NA	NA	
	1/13/2022	9:20 AM	ND	7.82	ND	20.41	NA	NA	
	1/27/2022	9:30 AM	ND	7.77	ND	20.41	NA	NA	
	2/7/2022	8:30 AM	ND	7.78	ND	20.38	NA	NA	
	2/24/2022	8:15 AM	ND	7.65	ND	20.41	NA	NA	
	3/17/2022	10:45 AM	ND	6.08	ND	20.38	NA	NA	
	3/28/2022	11:45 AM	ND	7.65	ND	20.35	NA	NA	
	4/13/2022	11:11 AM	ND	7.10	ND	20.47	NA	NA	
	4/29/2022	10:45 AM	ND	8.02	ND	21.40	NA	NA	
	5/12/2022	11:50 AM	ND	7.15	ND	20.41	NA	NA	
	5/25/2022	11:00 AM	ND	7.21	ND	20.34	NA	NA	
	6/9/2022	12:00 PM	ND	7.32	ND	20.35	NA	NA	
	6/23/2022	10:44 AM	ND	7.28	ND	20.65	NA	NA	
	7/7/2022	1:58 PM	ND	7.40	ND	20.31	NA	NA	
	7/22/2022	9:22 AM	ND	7.28	ND	20.58	NA	NA	
	8/4/2022	11:07 AM	ND	7.69	ND	20.52	NA	NA	
	8/18/2022	11:35 AM	ND	7.48	ND	20.35	NA	NA	
	9/2/2022	11:35 AM	ND	6.52	ND	20.28	NA	NA	
	10/27/2022	10:30 AM	ND	6.63	ND	20.33	NA	NA	
	3/2/2023	12:25 PM	ND	6.83	ND	20.34	NA	NA	
	4/12/2023	2:15 PM	ND	7.58	ND	20.30	NA	NA	
	4/25/2024	11:00 AM	ND	6.39	ND	20.35	NA	NA	
	10/7/2020	11:05 AM	ND	7.46	ND	33.05	NA	NA	
	10/21/2020	9:15 AM	ND	8.06	ND	33.22	NA	NA	
	11/4/2020	7:05 AM	ND	8.42	ND	33.15	NA	NA	
	11/18/2020	10:30 AM	ND	7.94	ND	34.24	NA	NA	
	12/1/2020	9:35 AM	ND	6.05	ND	33.06	NA	NA	
	12/16/2020	9:20 AM	ND	7.66	ND	32.98	NA	NA	
	12/29/2020	9:20 AM	ND	6.96	ND	32.32	NA	NA	
	1/13/2021	8:45 AM	ND	6.99	ND	33.30	NA	NA	
	1/27/2021	9:10 AM	ND	6.67	ND	33.09	NA	NA	
	2/8/2021	9:25 AM	ND	7.09	ND	33.11	NA	NA	
	2/24/2021	9:20 AM	ND	7.09	ND	33.11	NA	NA	
	3/10/2021	10:20 AM	ND	7.28	ND	33.67	NA	NA	
	3/24/2021	9:13 AM	ND	7.01	ND	32.98	NA	NA	
	4/7/2021	9:05 AM	ND	6.57	ND	33.04	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-3	4/21/2021	9:10 AM	ND	7.20	ND	33.05	NA	NA	
	5/5/2021	9:55 AM	ND	6.63	ND	33.04	NA	NA	
	5/17/2021	9:25 AM	ND	7.99	ND	33.00	NA	NA	
	6/2/2021	9:25 AM	ND	7.42	ND	33.00	NA	NA	
	6/16/2021	9:48 AM	ND	7.73	ND	32.96	NA	NA	
	6/30/2021	8:55 AM	ND	7.84	ND	33.05	NA	NA	
	7/14/2021	9:05 AM	ND	7.74	ND	33.03	NA	NA	
	7/27/2021	8:40 AM	ND	7.89	ND	33.06	NA	NA	
	8/11/2021	11:10 AM	ND	7.04	ND	33.10	NA	NA	
	8/23/2021	9:55 AM	ND	5.97	ND	33.04	NA	NA	
	9/8/2021	8:45 AM	ND	7.27	ND	33.10	NA	NA	
	9/21/2021	10:09 AM	ND	6.27	ND	33.08	NA	NA	
	10/7/2021	10:09 AM	ND	6.04	ND	33.09	NA	NA	
	10/20/2021	10:20 AM	ND	6.68	ND	33.03	NA	NA	
	11/4/2021	10:25 AM	ND	5.69	ND	32.99	NA	NA	
	11/17/2021	7:50 AM	ND	6.63	ND	33.05	NA	NA	
	12/1/2021	10:00 AM	ND	7.45	ND	33.04	NA	NA	
	12/14/2021	8:25 AM	ND	7.81	ND	33.02	NA	NA	
	12/28/2021	10:45 AM	ND	7.24	ND	33.02	NA	NA	
	1/13/2022	9:25 AM	ND	7.79	ND	33.01	NA	NA	
	1/27/2022	9:15 AM	ND	7.81	ND	33.00	NA	NA	
	2/7/2022	8:45 AM	ND	7.96	ND	32.99	NA	NA	
	2/24/2022	8:30 AM	ND	7.80	ND	33.01	NA	NA	
	3/17/2022	10:50 AM	ND	6.45	ND	33.25	NA	NA	
	3/28/2022	11:50 AM	ND	7.75	ND	32.95	NA	NA	
	4/13/2022	11:20 AM	ND	6.95	ND	33.25	NA	NA	
	4/29/2022	11:10 AM	ND	7.88	ND	32.96	NA	NA	
	5/12/2022	11:55 AM	ND	6.68	ND	32.93	NA	NA	
	5/25/2022	11:05 AM	ND	7.16	ND	32.91	NA	NA	
	6/9/2022	12:10 PM	ND	7.57	ND	32.92	NA	NA	
	6/23/2022	10:47 AM	ND	7.54	ND	33.32	NA	NA	
	7/7/2022	2:01 PM	ND	7.50	ND	32.92	NA	NA	
	7/22/2022	9:25 AM	ND	7.37	ND	33.20	NA	NA	
	8/4/2022	11:26 AM	ND	8.09	ND	33.3	NA	NA	
	8/18/2022	11:40 AM	ND	7.8	ND	32.95	NA	NA	
	9/2/2022	11:50 AM	ND	7.1	ND	32.86	NA	NA	
	10/27/2022	10:45 AM	ND	6.85	ND	32.71	NA	NA	
	3/2/2023	12:30 AM	ND	6.52	ND	32.91	NA	NA	
	4/12/2023	2:05 PM	ND	8.56	ND	32.76	NA	NA	
	4/25/2024	11:15 AM	ND	6.62	ND	32.98	NA	NA	
NW-4	10/7/2020	11:20 AM	ND	8.73	Trace	43.24	NA	NA	
	10/21/2020	9:45 AM	ND	8.85	ND	43.21	NA	NA	
	11/4/2020	7:35 AM	ND	9.44	ND	43.23	NA	NA	
	11/18/2020	10:40 AM	ND	9.22	ND	44.98	NA	NA	
	12/1/2020	10:20 AM	ND	7.95	ND	43.26	NA	NA	
	12/16/2020	9:40 AM	ND	9.16	ND	43.19	NA	NA	
	12/29/2020	10:20 AM	ND	8.84	ND	42.23	NA	NA	
	1/13/2021	9:35 AM	ND	8.79	ND	43.16	NA	NA	
	1/27/2021	9:40 AM	ND	8.74	ND	43.22	NA	NA	
	2/8/2021	11:00 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	9:45 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	10:30 AM	ND	9.34	Trace	43.55	NA	NA	
	3/24/2021	9:23 AM	ND	8.65	ND	43.29	NA	NA	
	4/7/2021	9:10 AM	ND	8.66	ND	43.16	NA	NA	
	4/21/2021	9:15 AM	ND	8.58	ND	43.17	NA	NA	
	5/5/2021	9:58 AM	ND	8.43	ND	43.20	NA	NA	
	5/17/2021	9:30 AM	ND	9.06	ND	43.19	NA	NA	
	6/2/2021	9:30 AM	ND	8.81	ND	43.11	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-4	6/16/2021	9:52 AM	ND	8.71	ND	43.20	NA	NA	
	6/30/2021	9:35 AM	ND	8.96	ND	43.24	NA	NA	
	7/14/2021	9:35 AM	ND	8.61	ND	43.30	NA	NA	
	7/27/2021	9:15 AM	ND	8.63	ND	43.17	NA	NA	
	8/11/2021	11:25 AM	ND	8.73	ND	43.19	NA	NA	
	8/23/2021	10:20 AM	ND	8.03	ND	43.13	NA	NA	
	9/8/2021	9:42 AM	ND	8.51	ND	43.20	NA	NA	
	9/21/2021	11:20 AM	ND	8.62	ND	43.16	NA	NA	
	10/7/2021	10:15 AM	ND	8.56	ND	43.19	NA	NA	
	10/20/2021	10:30 AM	ND	8.65	ND	43.14	NA	NA	
	11/4/2021	12:45 PM	ND	8.17	ND	43.25	NA	NA	
	11/17/2021	8:50 AM	ND	8.90	ND	43.19	NA	NA	
	12/1/2021	10:05 AM	ND	9.00	ND	43.22	NA	NA	
	12/14/2021	9:00 AM	ND	9.49	ND	43.19	NA	NA	
	12/28/2021	11:00 AM	ND	8.58	ND	43.19	NA	NA	
	1/13/2022	9:30 AM	ND	9.32	ND	43.21	NA	NA	
	1/27/2022	9:42 AM	ND	9.26	ND	43.21	NA	NA	
	2/7/2022	9:00 AM	ND	9.09	ND	43.19	NA	NA	
	2/24/2022	8:40 AM	ND	9.18	ND	43.22	NA	NA	
	3/17/2022	10:57 AM	ND	8.86	ND	43.21	NA	NA	
	3/28/2022	11:55 AM	ND	8.92	ND	43.10	NA	NA	
	4/13/2022	11:30 AM	ND	8.82	ND	43.40	NA	NA	
	4/29/2022	11:55 AM	ND	8.78	ND	43.22	NA	NA	
	5/12/2022	12:00 PM	ND	8.45	ND	43.15	NA	NA	
	5/25/2022	11:10 AM	ND	8.67	ND	43.12	NA	NA	
	6/9/2022	12:20 PM	ND	8.31	ND	43.10	NA	NA	
	6/23/2022	10:51 AM	ND	8.60	ND	43.53	NA	NA	
	7/7/2022	2:05 PM	ND	8.96	ND	43.15	NA	NA	
	7/22/2022	9:30 AM	ND	8.60	ND	43.46	NA	NA	
	8/4/2022	11:37 AM	ND	8.85	ND	43.51	NA	NA	
	8/18/2022	11:50 AM	ND	8.62	43.39	43.44	NA	0.05	
	9/2/2022	11:55 AM	ND	9.02	ND	43.08	NA	Blebs on tape	
	10/27/2022	10:00 AM	ND	9.64	ND	44.54	NA	NA	
	3/2/2023	12:35 PM	ND	8.17	ND	43.19	NA	NA	
	4/12/2023	2:00 PM	ND	8.75	ND	43.15	NA	NA	
	4/25/2024	11:30 AM	ND	8.85	ND	43.20	NA	NA	
	5/22/2024	12:00 PM	ND	8.38	ND	43.30	NA	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**10/7/2020**	12:20 PM	**ND**	**7.89**	**29.62**	**37.50**	**NA**	**7.88**	**Pre-pumping measurement**
	10/14/2020	12:45 PM	**ND**	**8.90**	**ND**	**37.63**	**NA**	**NA**	**Post-pumping measurment ~6 gallons removed**
	10/21/2020	11:00 AM	**ND**	**7.93**	**30.12**	**37.61**	**NA**	**7.49**	**Pre-pumping measurment**
	10/21/2020	11:30 AM	**ND**	**7.93**	**ND**	**38.12**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	11/4/2020	9:00 AM	**ND**	**8.61**	**30.48**	**38.08**	**NA**	**7.60**	**Pre-pumping measurment**
	11/5/2020	9:30 AM	**ND**	**8.60**	**ND**	**38.10**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	11/18/2020	11:40 AM	ND	8.08	29.99	38.02	NA	8.03	
	11/19/2020	9:30 AM	**ND**	**8.06**	**30.06**	**38.02**	**NA**	**7.96**	**Pre-pumping measurment**
	11/19/2020	10:00 AM	**ND**	**8.09**	**ND**	**38.25**	**NA**	**NA**	**Post-pumping measurement ~12 gallons removed**
	12/1/2020	11:15 AM	**ND**	**6.62**	**29.76**	**38.01**	**NA**	**8.25**	**Pre-pumping measurement**
	12/2/2020	9:35 AM	**ND**	**6.60**	**ND**	**38.10**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	12/16/2020	11:20 AM	**ND**	**7.79**	**29.70**	**38.10**	**NA**	**8.40**	**Pre-pumping measurement**
	12/18/2020	10:30 AM	**ND**	**7.52**	**ND**	**37.70**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/29/2020	11:30 AM	ND	7.97	29.60	38.21	NA	8.61	
	12/30/2020	9:45 AM	**ND**	**8.00**	**29.57**	**38.11**	**NA**	**8.54**	**Pre-pumping measurement**
	12/30/2020	10:45 AM	**ND**	**8.01**	**ND**	**38.22**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	1/13/2021	10:30 AM	ND	7.49	29.99	38.21	NA	8.22	
	1/14/2021	8:50 AM	**ND**	**7.87**	**29.98**	**38.21**	**NA**	**8.23**	**Pre-pumping measurement**
	1/14/2021	10:00 AM	**ND**	**8.02**	**ND**	**38.21**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	1/27/2021	10:55 AM	ND	7.58	29.90	38.11	NA	8.21	
	1/28/2021	9:00 AM	**ND**	**7.60**	**29.90**	**38.11**	**NA**	**8.21**	**Pre-pumping measurement**
	1/28/2021	9:30 AM	**ND**	**7.70**	**ND**	**38.11**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	2/8/2021	11:40 AM	ND	8.70	30.00	38.11	NA	8.11	
	2/11/2021	10:30 AM	**ND**	**7.95**	**30.00**	**38.78**	**NA**	**8.78**	**Pre-pumping measurement**
	2/11/2021	11:40 AM	**ND**	**7.97**	**ND**	**38.78**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	2/24/2021	10:30 AM	ND	8.23	29.80	38.78	NA	8.98	
	2/25/2021	8:40 AM	**ND**	**8.23**	**29.80**	**38.76**	**NA**	**8.96**	**Pre-pumping measurement**
	2/25/2021	10:25 AM	**ND**	**8.25**	**ND**	**38.76**	**NA**	**NA**	**Post-pumping measurement ~9 gallons removed**
	3/10/2021	11:50 AM	ND	8.48	29.79	38.50	NA	8.71	
	3/11/2021	9:15 AM	**ND**	**8.14**	**29.98**	**38.50**	**NA**	**8.52**	**Pre-pumping measurement**
	3/11/2021	11:15 AM	**ND**	**8.29**	**ND**	**38.50**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	3/24/2021	10:04 AM	ND	8.26	30.46	38.42	NA	7.96	
	3/25/2021	8:58 AM	**ND**	**7.92**	**30.34**	**38.42**	**NA**	**8.08**	**Pre-pumping measurement**
	3/25/2021	11:20 AM	**ND**	**7.47**	**ND**	**38.72**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	4/7/2021	9:15 AM	ND	8.01	30.30	38.72	NA	8.42	
	4/8/2021	8:15 AM	**ND**	**7.66**	**29.90**	**38.00**	**NA**	**8.10**	**Pre-pumping measurement**
	4/8/2021	11:20 AM	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**No post-pumping measurement. ~330 gallons of water/DNAPL mixture removed, due to possible breaches in the 1-inch internal pipe above the 3-foot well sump.**
	4/21/2021	9:20 AM	ND	8.35	29.80	38.72	NA	8.92	The 1" internal pipe was removed from NW-5 and holes were discovered on the pipe above the 3-foot well sump. No pumping at NW-5 until the 1-inch internal pipe is replaced.
	5/5/2021	12:00 PM	ND	8.20	29.12	37.88	NA	8.76	
	5/6/2021	10:10 AM	**ND**	**7.81**	**29.45**	**37.88**	**NA**	**8.43**	**Pre-pumping measurement**
	5/6/2021	11:40 AM	**ND**	**8.31**	**ND**	**37.88**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	5/17/2021	11:30 AM	ND	8.67	27.94	37.94	NA	10.00	
	5/20/2021	9:30 AM	**ND**	**8.63**	**27.90**	**37.94**	**NA**	**10.04**	**Pre-pumping measurement**
	5/20/2021	10:30 AM	**ND**	**8.67**	**ND**	**37.94**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	6/2/2021	10:55 AM	ND	8.90	30.20	38.34	NA	8.14	
	6/3/2021	9:00 AM	**ND**	**8.90**	**30.17**	**38.31**	**NA**	**8.14**	**Pre-pumping measurement**
	6/3/2021	9:45 AM	**ND**	**8.93**	**ND**	**38.40**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	6/16/2021	10:52 AM	ND	8.67	29.71	38.34	NA	8.63	
	6/17/2021	8:25 AM	**ND**	**8.66**	**29.70**	**38.34**	**NA**	**8.64**	**Pre-pumping measurement**
	6/17/2021	9:55 AM	**ND**	**8.70**	**ND**	**38.34**	**NA**	**NA**	**Post-pumping measurement ~17 gallons removed**
	6/30/2021	11:00 AM	ND	8.98	29.98	38.65	NA	8.67	
	7/1/2021	8:15 AM	**ND**	**8.80**	**29.98**	**38.65**	**NA**	**8.67**	**Pre-pumping measurement**
	7/1/2021	8:35 AM	**ND**	**8.82**	**ND**	**38.65**	**NA**	**NA**	**Post-pumping measurement ~4.7 gallons removed**
	7/14/2021	10:45 AM	ND	7.95	29.90	38.65	NA	8.75	
	7/15/2021	9:15 AM	**ND**	**8.75**	**29.90**	**38.65**	**NA**	**8.75**	**Pre-pumping measurement**
	7/15/2021	9:55 AM	**ND**	**8.80**	**ND**	**38.65**	**NA**	**NA**	**Post-pumping measurement ~5.95 gallons removed**
	7/27/2021	3:36 AM	ND	7.59	29.80	38.19	NA	8.39	
	7/29/2021	8:45 AM	**ND**	**8.70**	**29.80**	**38.19**	**NA**	**8.39**	**Pre-pumping measurement**
	7/29/2021	9:20 AM	**ND**	**8.75**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~9.35 gallons removed**
	8/11/2021	1:05 PM	ND	7.20	30.30	38.19	NA	7.89	
	8/12/2021	8:35 AM	**ND**	**8.95**	**30.30**	**38.19**	**NA**	**7.89**	**Pre-pumping measurement**
	8/12/2021	9:45 AM	**ND**	**8.97**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~5.95 gallons removed**
	8/23/2021	12:45 PM	ND	5.98	29.60	38.18	NA	8.58	
	8/24/2021	8:10 AM	**ND**	**7.81**	**29.60**	**38.18**	**NA**	**8.58**	**Pre-pumping measurement**
	8/24/2021	8:35 AM	**ND**	**7.82**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6.8 gallons removed**
	9/8/2021	11:35 AM	ND	6.82	30.00	38.18	NA	8.18	
	9/9/2021	8:50 AM	**ND**	**6.81**	**30.00**	**38.18**	**NA**	**8.18**	**Pre-pumping measurement**
	9/9/2021	9:05 AM	**ND**	**6.82**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6.8 gallons removed**
	9/21/2021	12:15 PM	ND	6.98	29.90	38.18	NA	8.28	
	9/23/2021	8:25 AM	**ND**	**8.00**	**29.90**	**38.18**	**NA**	**8.28**	**Pre-pumping measurement**
	9/23/2021	8:45 AM	**ND**	**8.01**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~11 gallons removed**
	10/7/2021	12:45 PM	ND	6.76	30.11	38.18	NA	8.07	
	10/8/2021	8:50 AM	**ND**	**7.81**	**29.99**	**38.18**	**NA**	**8.19**	**Pre-pumping measurement**
	10/8/2021	9:25 AM	**ND**	**7.61**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6.75 gallons removed**
	10/20/2021	11:30 AM	ND	7.40	29.80	38.19	NA	8.39	
	10/21/2021	8:30 AM	**ND**	**7.70**	**29.80**	**38.19**	**NA**	**8.39**	**Pre-pumping measurement**
	10/21/2021	9:05 AM	**ND**	**7.75**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	11/4/2021	1:35 PM	ND	8.15	29.50	38.18	NA	8.68	
	11/5/2021	8:50 AM	**ND**	**7.05**	**30.09**	**38.19**	**NA**	**8.10**	**Pre-pumping measurement**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	**11/5/2021**	9:15 AM	**ND**	**7.12**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	11/17/2021	12:25 PM	ND	8.35	29.50	38.18	NA	8.68	
	11/19/2021	10:45 AM	**ND**	**7.86**	**29.50**	**38.18**	**NA**	**8.68**	**Pre-pumping measurement**
	11/19/2021	11:45 AM	**ND**	**7.87**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/1/2021	12:00 PM	ND	9.13	28.86	38.17	NA	9.31	
	12/2/2021	9:05 AM	**ND**	**7.38**	**28.86**	**38.17**	**NA**	**9.31**	**Pre-pumping measurement**
	12/2/2021	9:40 AM	**ND**	**7.39**	**ND**	**38.17**	**NA**	**NA**	**Post-pumping measurement ~3 gallons removed**
	12/14/2021	12:20 PM	ND	9.59	29.20	38.18	NA	8.98	
	12/15/2021	9:30 AM	**ND**	**8.98**	**29.70**	**38.18**	**NA**	**8.48**	**Pre-pumping measurement**
	12/15/2021	10:10 AM	**ND**	**9.01**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	12/28/2021	11:!5	ND	8.52	29.70	38.16	NA	8.46	
	12/29/2021	8:00 AM	**ND**	**7.32**	**29.65**	**38.15**	**NA**	**8.50**	**Pre-pumping measurement**
	12/29/2021	8:50 AM	**ND**	**9.06**	**ND**	**38.17**	**NA**	**NA**	**Post-pumping measurement ~445 gallons removed**
	1/13/2022	11:30 AM	ND	9.41	28.16	38.15	NA	9.99	
	1/14/2022	8:30 AM	**ND**	**9.41**	**28.16**	**38.15**	**NA**	**9.99**	**Pre-pumping measurement**
	1/14/2022	9:10 AM	**ND**	**9.32**	**ND**	**38.15**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	1/27/2022	11:30 AM	ND	9.41	28.14	38.15	NA	10.01	
	1/28/2022	9:00 AM	**ND**	**7.71**	**29.71**	**38.15**	**NA**	**8.44**	**Pre-pumping measurement**
	1/28/2022	9:30 AM	**ND**	**9.32**	**ND**	**38.15**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	2/7/2022	9:15 AM	ND	8.48	29.65	38.15	NA	8.50	
	2/9/2022	8:30 AM	**ND**	**8.42**	**29.29**	**38.15**	**NA**	**8.86**	**Pre-pumping measurement**
	2/9/2022	9:30 AM	**ND**	**9.61**	**ND**	**38.15**	**NA**	**NA**	**Post-pumping measurement ~12 gallons removed**
	2/24/2022	8:30 AM	ND	9.31	29.97	38.17	NA	8.20	
	2/25/2022	9:30 AM	**ND**	**9.31**	**29.97**	**38.17**	**NA**	**8.20**	**Pre-pumping measurement**
	2/25/2022	10:15 AM	**ND**	**9.61**	**ND**	**38.17**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	3/17/2022	11:04 AM	ND	7.65	35.3	37.50	NA	2.2	
	3/18/2022	8:15 AM	**ND**	**7.70**	**29.6**	**38.40**	**NA**	**8.8**	**Pre-pumping measurement**
	3/18/2022	11:45 AM	**ND**	**ND**	**32.3**	**37.50**	**NA**	**6.1**	**Post-pumping measurement ~4 gallons removed**
	3/28/2022	8:17 AM	**ND**	**8.02**	**29.69**	**37.54**	**NA**	**7.75**	**Pre-pumping measurement**
	3/28/2022	3:00 PM	**ND**	**ND**	**30.54**	**37.54**	**NA**	**7.0**	**Post-pumping measurement ~10 gallons removed**
	4/13/2022	7:56 AM	**ND**	**7.90**	**29.7**	**37.50**	**NA**	**7.8**	**Pre-pumping measurement**
	4/13/2022	2:40 PM	**ND**	**7.90**	**34.05**	**37.50**	**NA**	**3.45**	**Post-pumping measurement~21 gallons removed**
	4/28/2022	8:40 AM	**ND**	**8.08**	**29.71**	**37.47**	**NA**	**7.76**	**Pre-pumping measurement**
	4/28/2022	3:00 PM	**ND**	**ND**	**29.79**	**37.54**	**NA**	**7.75**	**Post-pumping measurement ~3 gallons removed. Tubing on pump disloged.**
	5/12/2022	8:10 AM	**ND**	**7.34**	**30.44**	**37.09**	**NA**	**6.65**	**Pre-pumping measurement**
	5/12/2022	14:50:00 PM	**ND**	**ND**	**32.3**	**37.50**	**NA**	**5.2**	**Post-pumping measurement~25 gallons removed**
	5/25/2022	8:25 AM	**ND**	**7.62**	**30.59**	**37.08**	**NA**	**6.49**	**Pre-pumping measurement**
	5/25/2022	3:00 PM	**ND**	**ND**	**30.61**	**37.08**	**NA**	**6.47**	**Post-pumping measurement ~11 gallons removed. Minimal recovery due to pump difficulties**
	6/9/2022	**9:20 AM**	**ND**	**7.61**	**29.63**	**37.10**	**NA**	**7.47**	**Pre-pumping measurement**
	6/9/2022	**2:50 PM**	**ND**	**ND**	**31.48**	**37.10**	**NA**	**5.62**	**Post-pumping measurement ~17 gallons removed**
	6/23/2022	**11:15 AM**	**ND**	**8.37**	**29.62**	**37.17**	**NA**	**7.55**	**Pre-pumping measurement**
	6/23/2022	**11:25 AM**	**ND**	**ND**	**35.1**	**37.17**	**NA**	**2.07**	**Post-pumping measurement ~25 gallons removed**
	7/8/2022	12:36 PM	ND	8.35	31.11	37.34	NA	6.23	Pre-pumping measurement- no pumping completed, equipment malfunction
	7/21/2022	**8:35 AM**	**ND**	**8.12**	**30.0**	**37.30**	**NA**	**7.3**	**Pre-pumping measurement**
	7/21/2022	**12:25 AM**	**ND**	**ND**	**31.8**	**37.30**	**NA**	**5.50**	**Post-pumping measurement ~20 gallons removed**
	8/4/2022	**8:35 AM**	**ND**	**8.81**	**30.80**	**37.3**	**NA**	**6.50**	**Pre-pumping measurement**
	8/5/2022	**2:20 PM**	**ND**	**ND**	**30.87**	**37.3**	**NA**	**6.43**	**Post-pumping measurement ~20 gallons removed**
	8/18/2022	**8:30 AM**	**ND**	**8.34**	**30.27**	**37.2**	**NA**	**6.93**	**Pre-pumping measurement**
	8/18/2022	**2:30 PM**	**ND**	**ND**	**32.49**	**37.2**	**NA**	**4.71**	**Post-pumping measurement ~18 gallons removed**
	9/2/2022	**12:30 PM**	**ND**	**7.89**	**30.95**	**37.35**	**NA**	**6.4**	**Pre-pumping measurement**
	9/2/2022	**2:00 PM**	**ND**	**ND**	**32.15**	**37.35**	**NA**	**5.2**	**Post-pumping measurement ~5 gallons removed**
	9/15/2022	**8:25 AM**	**ND**	**8.62**	**29.52**	**37.37**	**NA**	**7.85**	**Pre-pumping measurement**
	9/15/2022	**10:45 AM**	**ND**	**ND**	**34.56**	**37.37**	**NA**	**2.81**	**Post-pumping measurement ~17 gallons removed**
	9/29/2022	**8:30 AM**	**ND**	**8.75**	**29.57**	**37.38**	**NA**	**7.81**	**Pre-pumping measurement**
	9/29/2022	**2:30 PM**	**ND**	**ND**	**33.34**	**37.38**	**NA**	**4.04**	**Post-pumping measurement ~12 gallons removed**
	10/13/2022	**9:29 AM**	**ND**	**7.82**	**28.77**	**35.57**	**NA**	**6.80**	**Pre-pumping measurement**
	10/13/2022	**10:33 AM**	**ND**	**ND**	**30.92**	**35.57**	**NA**	**4.65**	**Post-pumping measurement ~5 gallons removed**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	10/27/2022	7:40 AM	ND	8.47	29.93	37.34	NA	7.41	Pre-pumping measurement
	10/27/2022	1:15 PM	ND	ND	31.68	37.34	NA	5.66	Post-pumping measurement ~15 gallons removed
	11/10/2022	8:15 AM	ND	7.89	31.31	37.51	NA	6.20	Pre-pumping measurement
	11/10/2022	12:15 PM	ND	ND	32.94	37.51	NA	4.57	Post-pumping measurement ~8 gallons removed
	11/22/022	10:05 AM	ND	8.26	30.78	37.12	NA	6.34	Pre-pumping measurement
	11/22/022	11:00 AM	ND	ND	32.35	37.12	NA	4.77	Post-pumping measurement ~7 gallons removed
	12/8/2022	11:15 AM	ND	7.82	31.28	37.59	NA	6.31	Pre-pumping measurement
	12/8/2022	14:35 PM	ND	ND	31.41	37.59	NA	6.18	Post-pumping measurement ~7 gallons removed
	12/22/2022	11:45 AM	ND	7.78	31.89	37.89	NA	6.00	Pre-pumping measurement
	12/22/2022	14:00PM	ND	ND	31.99	37.89	NA	5.90	Post-pumping measurement ~5 gallons removed
	1/5/2023	8:30 AM	ND	8.21	30.8	37.4	NA	6.6	Pre-pumping measurement
	1/5/2023	8:40 AM	ND	ND	31.49	37.4	NA	5.91	Post-pumping measurement ~13 gallons removed
	1/18/2023	11:15 AM	ND	7.59	30.68	37.3	NA	6.62	Pre-pumping measurement
	1/18/2023	11:25 AM	ND	ND	30.79	37.3	NA	6.51	Post-pumping measurement ~12 gallons removed
	2/2/2023	10:05 AM	ND	7.32	30.13	37.22	NA	7.09	Pre-pumping measurement
	2/2/2023	10:15 AM	ND	ND	31.71	37.22	NA	5.51	Post-pumping measurement ~12 gallons removed
	2/15/2023	10:50 AM	ND	8.25	30.25	37.25	NA	7.00	Pre-pumping measurement
	2/15/2023	11:00 AM	ND	ND	31.28	37.25	NA	5.97	Post-pumping measurement ~15 gallons removed
	3/2/2023	12:00 PM	ND	7.81	29.55	37.3	NA	7.75	Pre-pumping measurement
	3/2/2023	1:35 PM	ND	ND	31.64	37.3	NA	5.66	Post-pumping measurement ~18.6 gallons removed
	3/15/2023	12:05 PM	ND	8.77	29.93	37.43	NA	7.50	Pre-pumping measurement- no pumping completed, equipment malfunction
	3/29/2023	10:00 AM	ND	8.36	30.05	37.28	NA	7.23	Pre-pumping measurement - gauging only
	4/12/2023	1:45 PM	ND	8.31	29.95	37.45	NA	7.50	Pre-pumping measurement - gauging only
	4/26/2023	10:30 AM	ND	8.2	30.70	37.45	NA	6.75	Pre-pumping measurement - gauging only
	5/10/2023	9:45 AM	ND	8.45	29.78	37.35	NA	7.57	Pre-pumping measurement
	5/11/2023	12:00 PM	ND	ND	29.85	37.35	NA	7.50	Post-pumping measurement ~0.5 gallons removed
	5/24/2023	8:50 AM	ND	8.19	29.71	37.31	NA	7.60	Pre-pumping measurement
	5/24/2023	1:15 PM	ND	ND	30.56	37.31	NA	6.75	Post-pumping measurement ~0.6 gallons removed
	6/7/2023	9:00 AM	ND	8.36	30.53	37.28	NA	6.75	Pre-pumping measurement
	6/7/2023	2:00 PM	ND	ND	32.78	37.28	NA	4.50	Post-pumping measurement ~3.7 gallons removed
	6/13/2023	9:15 AM	ND	7.81	30.00	37.25	NA	7.25	Pre-pumping measurement - gauging only
	6/21/2023	11:00 AM	ND	8.14	30.02	37.22	NA	7.20	Pre-pumping measurement
	6/21/2023	1:00 PM	ND	ND	31.41	37.22	NA	5.90	Post-pumping measurement ~2.5 gallons removed
	7/6/2023	9:50 AM	ND	8.20	29.84	37.25	NA	7.41	Pre-pumping measurement
	7/6/2023	12:30 PM	ND	ND	31.15	37.25	NA	6.10	Post-pumping measurement ~2.5 gallons removed
	7/19/2023	10:30 AM	ND	7.63	30.10	37.21	NA	7.11	Pre-pumping measurement
	7/19/2023	11:40 AM	ND	ND	30.21	37.21	NA	7.00	Post-pumping measurement ~0.5 gallons removed
	8/16/2023	11:00 AM	ND	6.62	29.83	37.21	NA	7.38	Pre-pumping measurement
	8/16/2023	1:30 PM	ND	ND	30.18	37.21	NA	7.03	Post-pumping measurement ~0.5 gallons removed
	8/30/2023	12:30 PM	ND	7.11	29.90	37.30	NA	7.40	Pre-pumping measurement - no pumping completed, equipment malfunction
	9/13/2023	9:30 AM	ND	6.98	29.52	37.31	NA	7.79	Pre-pumping measurement
	9/13/2023	1:00 PM	ND	ND	30.35	37.31	NA	6.96	Post-pumping measurement ~1.0 gallons removed
	9/27/2023	11:45 AM	ND	7.42	29.63	37.35	NA	7.72	Pre-pumping measurement
	9/27/2023	2:00 PM	ND	ND	NA	37.35	NA	NA	Post-pumping measurement ~10.0 gallons removed
	10/13/2023	10:40 AM	ND	6.82	29.63	37.31	NA	7.68	Pre-pumping measurement
	10/13/2023	12:50 PM	ND	ND	NA	37.31	NA	NA	Post-pumping measurement ~5.0 gallons removed
	11/7/2023	10:00 AM	ND	7.61	29.79	37.39	NA	7.60	Pre-pumping measurement
	11/7/2023	11:30 AM	ND	ND	NA	37.39	NA	NA	Post-pumping measurement ~10.0 gallons removed
	11/21/2023	11:00 AM	ND	8.58	29.6	37.40	NA	7.80	Pre-pumping measurement
	11/21/2023	11:45 AM	ND	ND	NA	37.40	NA	NA	Post-pumping measurement ~15.0 gallons removed
	12/7/2023	10:55 AM	ND	8.28	30.1	37.35	NA	7.25	Pre-pumping measurement
	12/7/2023	11:30 AM	ND	ND	NA	37.35	NA	NA	Post-pumping measurement ~10.0 gallons removed
	12/20/2023	11:15 AM	ND	8.62	29.9	37.40	NA	7.50	Pre-pumping measurement
	12/20/2023	12:15 AM	ND	ND	NA	37.40	NA	NA	Post-pumping measurement ~10.0 gallons removed
	1/4/2024	10:30 AM	ND	6.60	29.86	37.28	NA	7.42	Pre-pumping measurement
	1/4/2024	11:30 AM	ND	ND	NA	37.28	NA	NA	Post-pumping measurement ~20.0 gallons removed
	1/17/2024	NA	ND	ND	NA	37.28	NA	NA	No more drum space, could not recover.

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	1/31/2024	9:55 AM	ND	7.54	29.50	37.30	NA	7.80	Pre-pumping measurement
	1/31/2024	1:00 PM	ND	ND	NA	37.30	NA	NA	Post-pumping measurement ~20.0 gallons removed
	2/15/2024	12:00 PM	ND	7.77	29.90	36.57	NA	6.67	Pump malfunction, could not recover.
	2/28/2024	11:35 AM	ND	8.49	29.70	37.18	NA	7.48	Pre-pumping measurement
	2/28/2024	2:00 PM	ND	ND	29.70	37.18	NA	6.82	Post-pumping measurement ~5.0 gallons removed
	3/14/2024	11:30 AM	ND	7.01	29.48	37.38	NA	7.90	Pre-pumping measurement
	3/14/2024	14:30 PM	ND	ND	32.38	37.38	NA	5.00	Post-pumping measurement ~7.5 gallons removed
	3/27/2024	12:00 PM	ND	7.21	29.97	37.18	NA	6.29	Pre-pumping measurement
	3/27/2024	2:20 PM	ND	ND	31.61	37.18	NA	5.57	Post-pumping measurement ~4.0 gallons removed
	4/25/2024	9:00 AM	ND	8.20	28.75	37.25	NA	8.50	Pre-pumping measurement
	4/25/2024	1:00 PM	ND	ND	31.75	37.25	NA	5.50	Post-pumping measurement ~7.5 gallons removed
	5/9/2024	11:00 AM	ND	8.3	29.48	37.23	NA	7.75	Pre-pumping measurement
	5/9/2024	2:00 PM	ND	ND	31.73	37.23	NA	5.50	Post-pumping measurement ~5 gallons removed
	5/22/2024	11:00 AM	ND	6.81	29.51	37.31	NA	7.80	Pre-pumping measurement
	5/22/2024	2:00 PM	ND	ND	31.81	37.31	NA	5.50	Post-pumping measurement ~5 gallons removed
	6/5/2024	10:00 AM	ND	7.47	31.06	37.31	NA	6.25	Pre-pumping measurement
	6/5/2024	12:30 PM	ND	ND	33.06	37.31	NA	4.25	Post-pumping measurement ~4.5 gallons removed
	6/27/2024	11:15 AM	ND	8.52	29.61	37.21	NA	7.60	Pre-pumping measurement
	6/27/2024	2:00 PM	ND	ND	32.11	37.21	NA	5.10	Post-pumping measurement ~5 gallons removed
NW-6	10/7/2020	12:05 PM	ND	9.01	33.26	38.32	NA	5.06	Pre-pumping measurement
	10/14/2020	8:45 AM	ND	8.55	ND	37.20	NA	ND	Post-pumping measurement ~6 gallons removed
	10/21/2020	10:40 AM	ND	9.00	33.37	38.35	NA	4.98	Pre-pumping measurement
	10/21/2020	12:00 PM	ND	9.00	ND	38.38	NA	NA	Post-pumping measurement ~5 gallons removed
	11/4/2020	8:45 AM	ND	9.66	32.28	36.06	NA	3.78	Pre-pumping measurement
	11/5/2020	10:00 AM	ND	9.64	ND	38.31	NA	NA	Post-pumping measurement ~10 gallons removed
	11/18/2020	11:25 AM	ND	9.16	33.39	38.10	NA	4.71	
	11/19/2020	10:00 AM	ND	9.15	33.43	38.09	NA	4.66	Pre-pumping measurement
	11/19/2020	10:15 AM	ND	9.16	ND	38.14	NA	NA	Post-pumping measurement ~3 gallons removed
	12/1/2020	11:00 AM	ND	7.98	34.41	37.12	NA	2.71	Pre-pumping measurement
	12/2/2020	10:05 AM	ND	8.01	ND	37.12	NA	NA	Post-pumping measurement ~5 gallons removed
	12/16/2020	11:00 AM	ND	9.20	33.20	37.12	NA	3.92	Pre-pumping measurement
	12/18/2020	12:00 PM	ND	8.70	ND	38.35	NA	NA	Post-pumping measurement ~6 gallons removed
	12/29/2020	11:10 AM	ND	8.75	33.35	38.10	NA	4.75	
	12/30/2020	11:15 AM	ND	8.71	33.33	38.10	NA	4.77	Pre-pumping measurement
	12/30/2020	11:45 AM	ND	8.73	ND	38.12	NA	NA	Post-pumping measurement ~5 gallons removed
	1/13/2021	10:15 AM	ND	8.45	33.44	38.10	NA	4.66	
	1/14/2021	8:25 AM	ND	8.87	33.31	38.10	NA	4.79	Pre-pumping measurement
	1/14/2021	8:40 AM	ND	8.92	ND	38.10	NA	NA	Post-pumping measurement ~10 gallons removed
	1/27/2021	11:15 AM	ND	8.63	34.00	38.35	NA	4.35	
	1/28/2021	10:15 AM	ND	8.70	34.00	38.35	NA	4.35	Pre-pumping measurement
	1/28/2021	10:40 AM	ND	8.73	ND	38.37	NA	NA	Post-pumping measurement ~13 gallons removed
	2/8/2021	11:20 AM	ND	7.98	33.95	38.37	NA	4.42	
	2/11/2021	12:05 PM	ND	7.55	33.90	38.38	NA	4.48	Pre-pumping measurement
	2/11/2021	12:20 PM	ND	7.54	ND	38.36	NA	NA	Post-pumping measurement ~5 gallons removed
	2/24/2021	10:20 AM	ND	8.86	33.10	38.36	NA	5.26	
	2/25/2021	10:45 AM	ND	8.80	33.10	38.37	NA	5.27	Pre-pumping measurement
	2/25/2021	10:55 AM	ND	8.82	ND	38.37	NA	NA	Post-pumping measurement ~5 gallons removed
	3/10/2021	11:40 AM	ND	8.48	33.60	38.32	NA	4.72	
	3/11/2021	11:38 AM	ND	8.26	32.80	38.32	NA	5.52	Pre-pumping measurement
	3/11/2021	11:50 AM	ND	9.04	ND	38.35	NA	NA	Post-pumping measurement ~6 gallons removed
	3/24/2021	9:59 AM	ND	8.84	33.04	38.12	NA	5.08	
	3/25/2021	11:27 AM	ND	8.61	32.98	38.10	NA	5.12	Pre-pumping measurement
	3/25/2021	11:43 AM	ND	9.41	ND	38.14	NA	NA	Post-pumping measurement ~7 gallons removed
	4/7/2021	9:15 AM	ND	8.45	33.25	38.15	NA	4.90	
	4/8/2021	12:00 PM	ND	8.45	33.29	38.15	NA	4.86	Pre-pumping measurement
	4/8/2021	12:20 PM	ND	8.54	ND	38.35	NA	NA	Post-pumping measurement ~20 gallons removed
	4/21/2021	9:25 AM	ND	8.59	33.22	38.50	NA	5.28	
	4/22/2021	10:15 AM	ND	8.82	33.01	38.48	NA	5.47	Pre-pumping measurement
	4/22/2021	10:45 AM	ND	8.87	ND	38.45	NA	NA	Post-pumping measurement ~15 gallons removed
	5/5/2021	11:00 AM	ND	8.40	33.41	38.52	NA	5.11	
	5/6/2021	12:45 PM	ND	8.61	33.45	38.50	NA	5.05	No vacuum event performed at NW-6
	5/17/2021	11:00 AM	ND	9.10	31.89	37.99	NA	6.10	
	5/20/2021	10:45 AM	ND	9.11	31.85	38.00	NA	6.15	Pre-pumping measurement
	5/20/2021	11:15 AM	ND	9.14	ND	38.06	NA	NA	Post-pumping measurement ~7 gallons removed
	6/2/2021	10:35 AM	ND	8.75	32.18	38.49	NA	6.31	
	6/3/2021	10:00 AM	ND	8.74	32.16	38.49	NA	6.33	Pre-pumping measurement
	6/3/2021	10:30 AM	ND	8.78	ND	38.49	NA	NA	Post-pumping measurement ~9 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-6	6/16/2021	10:34 AM	ND	8.84	32.50	38.03	NA	5.53	
	6/17/2021	10:10 AM	**ND**	**8.83**	**32.50**	**38.00**	**NA**	**5.50**	**Pre-pumping measurement**
	6/17/2021	10:35 AM	**ND**	**8.84**	**ND**	**38.05**	**NA**	**NA**	**Post-pumping measurement ~17.25 gallons removed**
	6/30/2021	10:35 AM	ND	9.11	33.00	38.10	NA	5.10	
	7/1/2021	8:50 AM	**ND**	**9.18**	**33.00**	**38.10**	**NA**	**5.10**	**Pre-pumping measurement**
	7/1/2021	9:20 AM	**ND**	**9.19**	**ND**	**38.10**	**NA**	**NA**	**Post-pumping measurement ~5.5 gallons removed**
	7/14/2021	10:25 AM	ND	8.45	32.95	37.70	NA	4.75	
	7/15/2021	10:35 AM	**ND**	**8.65**	**32.95**	**37.70**	**NA**	**4.75**	**Pre-pumping measurement**
	7/15/2021	11:05 AM	**ND**	**8.69**	**ND**	**37.70**	**NA**	**NA**	**Post-pumping measurement ~15.3 gallons removed**
	7/27/2021	11:05 AM	ND	8.36	33.05	36.78	NA	3.73	
	7/29/2021	9:45 AM	**ND**	**9.02**	**33.05**	**36.78**	**NA**	**3.73**	**Pre-pumping measurement**
	7/29/2021	10:15 AM	**ND**	**9.09**	**ND**	**36.78**	**NA**	**NA**	**Post-pumping measurement ~18.7 gallons removed**
	8/11/2021	12:50 PM	ND	8.32	33.00	36.77	NA	3.77	
	8/12/2021	11:15 AM	ND	8.70	33.00	37.40	NA	4.40	**No pumping due to stinger maintenance**
	8/23/2021	12:25 PM	ND	7.11	31.55	37.40	NA	5.85	
	8/24/2021	9:30 AM	**ND**	**8.00**	**31.55**	**37.40**	**NA**	**5.85**	**Pre-pumping measurement**
	8/24/2021	9:45 AM	**ND**	**8.01**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~17.9 gallons removed**
	9/8/2021	11:05 AM	ND	7.97	31.80	37.40	NA	5.60	
	9/9/2021	9:25 AM	**ND**	**8.28**	**31.80**	**37.40**	**NA**	**5.60**	**Pre-pumping measurement**
	9/9/2021	9:35 AM	**ND**	**8.31**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~2.6 gallons removed**
	9/21/2021	12:35 PM	ND	8.02	31.70	37.40	NA	5.70	
	9/23/2021	9:30 AM	**ND**	**8.54**	**31.70**	**37.40**	**NA**	**5.70**	**Pre-pumping measurement**
	9/23/2021	9:40 AM	**ND**	**8.55**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~20.4 gallons removed**
	10/7/2021	12:15 PM	ND	7.88	32.01	37.40	NA	5.39	
	10/8/2021	10:06 AM	**ND**	**8.41**	**31.90**	**37.40**	**NA**	**5.50**	**Pre-pumping measurement**
	10/8/2021	10:28 AM	**ND**	**8.85**	**ND**	**37.60**	**NA**	**NA**	**Post-pumping measurement ~22.5 gallons removed**
	10/20/2021	12:10 PM	ND	8.33	32.50	37.41	NA	4.91	
	10/21/2021	10:00 AM	**ND**	**7.30**	**32.50**	**37.41**	**NA**	**4.91**	**Pre-pumping measurement**
	10/21/2021	10:10 AM	**ND**	**7.33**	**ND**	**37.41**	**NA**	**NA**	**Post-pumping measurement ~8 gallons removed**
	11/4/2021	1:25 PM	ND	8.02	32.00	37.40	NA	5.40	
	11/5/2021	9:25 AM	**ND**	**8.75**	**32.11**	**37.41**	**NA**	**5.30**	**Pre-pumping measurement**
	11/5/2021	10:10 AM	**ND**	**8.15**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	11/17/2021	12:10 PM	ND	8.52	32.00	37.40	NA	5.40	
	11/19/2021	12:30 PM	**ND**	**7.78**	**32.00**	**37.40**	**NA**	**5.40**	**Pre-pumping measurement**
	11/19/2021	12:45 PM	**ND**	**7.79**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~8 gallons removed**
	12/1/2021	11:39 AM	ND	9.38	31.98	37.40	NA	5.42	
	12/2/2021	10:10 AM	**ND**	**8.43**	**31.98**	**37.40**	**NA**	**5.42**	**Pre-pumping measurement**
	12/2/2021	10:20 AM	**ND**	**8.44**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	12/14/2021	12:40 PM	ND	9.66	32.20	37.40	NA	5.20	
	12/15/2021	11:00 AM	**ND**	**9.06**	**32.20**	**37.40**	**NA**	**5.20**	**Pre-pumping measurement**
	12/15/2021	11:02 AM	**ND**	**9.08**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/28/2021	11:30 AM	ND	8.79	32.35	37.40	NA	5.05	
	12/29/2021	9:10 AM	**ND**	**8.35**	**32.29**	**37.38**	**NA**	**5.09**	**Pre-pumping measurement**
	12/29/2021	10:05 AM	**ND**	**8.41**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	1/13/2022	10:55 AM	ND	9.45	33.42	37.38	NA	3.96	
	1/14/2022	10:00 AM	**ND**	**9.45**	**33.42**	**37.38**	**NA**	**3.96**	**Pre-pumping measurement**
	1/14/2022	10:15 AM	**ND**	**9.36**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	1/27/2022	11:00 AM	ND	9.41	34.61	37.38	NA	2.77	
	1/28/2022	10:00 AM	**ND**	**9.42**	**34.6**	**37.38**	**NA**	**2.78**	**Pre-pumping measurement**
	1/28/2022	10:30 AM	**ND**	**9.39**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/7/2022	9:30 AM	ND	9.25	33.31	37.38	NA	4.07	
	2/9/2022	11:00 AM	**ND**	**9.21**	**33.01**	**37.38**	**NA**	**4.37**	**Pre-pumping measurement**
	2/9/2022	11:05 AM	**ND**	**9.82**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/24/2022	8:45 AM	ND	9.33	35.61	37.36	NA	1.75	
	2/25/2022	11:30 AM	**ND**	**9.33**	**35.61**	**37.36**	**NA**	**1.75**	**Pre-pumping measurement**
	2/25/2022	12:00 PM	**ND**	**9.82**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	3/17/2022	10:31 AM	**ND**	**8.70**	**36.2**	**37.40**	**NA**	**1.2**	**Pre-pumping measurement**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-6	3/17/2022	2:30 PM	ND	ND	37.02	37.40	NA	0.38	Post-pumping Measurment ~ 2 gallons removed
	3/28/2022	9:25 AM	ND	8.75	30.9	33.20	NA	2.3	Pre-pumping measurement
	3/28/2022	1:30 PM	ND	ND	32.2	33.20	NA	1.0	Post-pumping Measurment ~ 10 gallons removed
	4/13/2022	10:50 AM	ND	8.60	30.55	33.05	NA	2.5	Pre-pumping measurement
	4/14/2022	9:00 AM	ND	ND	33.01	33.35	NA	0.34	Post pumping measurment ~16 gallons removed
	4/28/2022	12:20 PM	ND	8.91	30.82	38.33	NA	7.51	Pre-pumping measurement
	4/28/2022	1:30 PM	ND	ND	33.24	38.33	NA	5.09	Post Pumping Measurment ~ 6 gallons removed
	5/12/2022	11:40 AM	ND	8.65	31.25	37.85	NA	6.6	Pre-pumping measurement
	5/13/2022	11:45 AM	ND	ND	33.28	37.86	NA	4.58	Post pumping measurment ~8.5 gallons removed
	5/25/2022	10:40 AM	ND	8.87	30.98	37.51	NA	6.53	Pre-pumping measurement
	5/25/2022	1:30 PM	ND	ND	33.38	37.72	NA	4.34	Post Pumping Measurment ~ 6.5 gallons removed
	6/9/2022	11:50 AM	ND	8.62	30.9	37.50	NA	6.6	Pre-pumping measurement
	6/9/2022	12:45 PM	ND	ND	33.12	37.50	NA	4.38	Post pumping measurment ~6.5 gallons removed
	6/23/2022	8:45 AM	ND	8.46	31.0	38.18	NA	7.18	Pre-pumping measurement
	6/23/2022	9:30 AM	ND	8.46	34.86	38.18	NA	3.32	Post Pumping Measurment ~8 gallons removed
	7/8/2022	10:35 AM	ND	8.83	30.74	36.96	NA	6.22	Pre-pumping measurement
	7/8/2022	11:05 AM	ND	ND	32.06	36.96	NA	4.9	Post pumping measurment ~2.0 gallons removed
	7/21/2022	8:25 AM	ND	8.36	31.0	37.60	NA	6.6	Pre-pumping measurement
	7/21/2022	9:30 AM	ND	ND	33.08	37.60	NA	4.52	Post Pumping Measurment ~3.0 gallons removed
	8/4/2022	10:40 AM	ND	8.34	29.92	33.35	NA	3.43	Pre-pumping measurement- pumping not completed
	8/5/2022	12:30 PM	ND	ND	30.14	33.35	NA	3.21	Post-pumping measurement- pumping not completed
	8/18/2022	11:25 AM	ND	8.64	30.82	37.22	NA	6.4	Pre-pumping measurement
	8/19/2022	9:30 AM	ND	ND	33.4	37.22	NA	3.82	Post Pumping Measurment ~21 gallons removed
	9/1/2022	10:00 AM	ND	ND	27.2	32.87	NA	5.65	Pre-pumping measurement
	9/1/2022	10:50 AM	ND	ND	28.13	32.87	NA	4.74	Post Pumping Measurment ~5 gallons removed
	9/15/2022	11:40 AM	ND	8.51	31.65	37.22	NA	5.57	Pre-pumping measurement
	9/15/2022	2:00 PM	ND	ND	32.9	37.22	NA	4.32	Post Pumping Measurment ~12 gallons removed
	9/30/2022	9:00 AM	ND	8.86	31.12	37.32	NA	6.2	Pre-pumping measurement
	9/30/2022	2:00 PM	ND	ND	33.07	37.32	NA	4.25	Post Pumping Measurment ~16 gallons removed
	10/12/2022	10:57 AM	ND	8.73	33.1	36.00	NA	2.9	Pre-pumping measurement
	10/12/2022	11:14 PM	ND	ND	33.8	36.00	NA	2.2	Post Pumping Measurment ~2 gallons removed
	10/26/2022	8:30 AM	ND	8.25	32.71	37.92	NA	5.21	Pre-pumping measurement
	10/26/2022	9:30 AM	ND	ND	34.01	37.92	NA	3.91	Post Pumping Measurment ~8 gallons removed
	11/9/2022	10:40 AM	ND	8.83	31.51	37.42	NA	5.91	Pre-pumping measurement
	11/9/2022	10:50 AM	ND	ND	32.67	37.42	NA	4.75	Post Pumping Measurment ~5 gallons removed
	11/22/2022	8:00 AM	ND	9.39	29.02	33.35	NA	4.33	Pre-pumping measurement
	11/22/2022	8:50 PM	ND	ND	30.08	33.35	NA	3.27	Post Pumping Measurment ~5 gallons removed
	12/8/2022	8:45 AM	ND	8.04	33.19	37.39	NA	4.2	Pre-pumping measurement
	12/8/2022	10:30 AM	ND	ND	34.27	37.39	NA	3.12	Post Pumping Measurment ~6 gallons removed
	12/22/2022	10:00 AM	ND	8.45	31.00	36.95	NA	5.95	Pre-pumping measurement
	12/22/2022	8:50 PM	ND	ND	31.45	36.95	NA	5.50	Post Pumping Measurment ~4 gallons removed
	1/4/2023	9:50 AM	ND	8.61	29.97	33.62	NA	3.65	Pre-pumping measurement
	1/4/2023	10:00 AM	ND	ND	33.58	33.62	NA	0.04	Post Pumping Measurment ~12 gallons removed
	1/18/2023	10:25 AM	ND	9.6	30.56	35.18	NA	4.62	Pre-pumping measurement
	1/18/2023	10:35 AM	ND	ND	32.69	35.18	NA	2.49	Post Pumping Measurment ~8 gallons removed
	2/2/2023	8:00 AM	ND	8.66	28.69	35.14	NA	6.45	Pre-pumping measurement
	2/2/2023	9:45 AM	ND	ND	32.25	35.14	NA	2.89	Post Pumping Measurment ~12 gallons removed
	2/15/2023	9:50 AM	ND	8.75	32.74	37.5	NA	4.76	Pre-pumping measurement
	2/15/2023	10:45 AM	ND	ND	34.86	37.5	NA	2.64	Post Pumping Measurment ~10 gallons removed
	3/1/2023	8:45 AM	ND	8.35	30.75	37.5	NA	6.75	Pre-pumping measurement
	3/1/2023	9:45 AM	ND	ND	35.48	37.5	NA	2.02	Post Pumping Measurment ~10 gallons removed
	3/15/2023	10:15 AM	ND	8.63	30.71	37.31	NA	6.6	Pre-pumping measurement
	3/15/2023	11:25 AM	ND	ND	31.71	37.31	NA	5.6	Post Pumping Measurment ~4.7 gallons removed
	3/29/2023	8:00 AM	ND	8.44	32.44	37.55	NA	5.11	Pre-pumping measurement - gauging only
	4/12/2023	10:00 AM	ND	8.50	31.15	37.15	NA	6.0	Pre-pumping measurement - gauging only
	4/26/2023	10:00 AM	ND	8.67	31.3	36.8	NA	5.5	Pre-pumping measurement - gauging only
	5/10/2023	9:30 AM	ND	8.79	30.98	37.83	NA	6.85	Pre-pumping measurement

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-6	5/11/2023	9:30 AM	ND	ND	35.24	37.83	NA	2.59	Post Pumping Measurment ~4.8 gallons removed
	5/24/2023	8:30 AM	ND	8.98	30.83	37.45	NA	6.62	Pre-pumping measurement
	5/24/2023	10:20 AM	ND	ND	35.15	37.45	NA	2.30	Post Pumping Measurment ~2.8 gallons removed
	5/24/2023	2:30 PM	ND	8.98	34.23	37.45	NA	3.22	Pre-pumping measurement
	5/24/2023	3:00 PM	ND	ND	35.44	37.45	NA	2.01	Post Pumping Measurment ~0.8 gallons removed
	5/25/2023	10:00 AM	ND	9.26	32.79	37.59	NA	4.80	Pre-pumping measurement - gauging only
	6/13/2023	8:30 AM	ND	9.13	31.35	37.95	NA	6.60	Pre-pumping measurement
	6/13/2023	9:45 AM	ND	ND	33.45	37.95	NA	4.50	Post Pumping Measurment ~5.0 gallons removed
	6/21/2023	8:40 AM	ND	8.7	31.87	37.39	NA	5.52	Pre-pumping measurement
	6/21/2023	10:00 AM	ND	ND	33.17	37.39	NA	4.22	Post Pumping Measurment ~4.5 gallons removed
	7/6/2023	8:10 AM	ND	8.69	31.21	37.11	NA	5.90	Pre-pumping measurement
	7/6/2023	9:20 AM	ND	ND	32.05	37.11	NA	5.06	Post Pumping measurement ~4.5 gallons removed
	7/19/2023	9:30 AM	ND	8.39	30.74	36.58	NA	5.84	Pre-pumping measurement
	7/19/2023	10:00 AM	ND	ND	33.32	36.58	NA	3.26	Post Pumping measurement ~5.0 gallons removed
	8/3/2023	8:10 AM	ND	8.99	30.88	37.43	NA	6.55	Pre-pumping measurement - gauging only
	8/16/2023	9:00 AM	ND	8.53	31.19	37.24	NA	6.05	Pre-pumping measurement
	8/16/2023	9:45 AM	ND	ND	32.39	37.24	NA	4.85	Post Pumping Measurment ~5.0 gallons removed
	8/30/2023	10:30 AM	ND	8.17	30.95	37.15	NA	6.20	Pre-pumping measurement
	8/30/2023	11:30 AM	ND	ND	32.85	37.15	NA	4.30	Post Pumping Measurment ~6.0 gallons removed
	9/13/2023	1:30 PM	ND	8.31	31.60	37.70	NA	6.10	Pre-pumping measurement
	9/13/2023	2:00 PM	ND	ND	33.45	37.70	NA	4.25	Post Pumping Measurment ~5.5 gallons removed
	9/27/2023	10:30 AM	ND	8.12	31.77	37.84	NA	6.07	Pre-pumping measurement
	9/27/2023	11:30 AM	ND	ND	33.72	37.84	NA	4.12	Post Pumping Measurment ~5.5 gallons removed
	10/13/2023	8:40 AM	ND	5.68	30.32	36.8	NA	6.48	Pre-pumping measurement - no pumping completed, equipment malfunction
	11/6/2023	9:15 AM	ND	8.41	30.74	36.8	NA	6.06	Pre-pumping measurement
	11/6/2023	9:45 AM	ND	ND	32.59	36.8	NA	4.21	Post-pumping measurement ~5.5 gallons removed
	11/21/2023	9:45 AM	ND	8.78	31.16	36.8	NA	5.64	Pre-pumping measurement - no pumping completed, equipment malfunction
	12/7/2023	9:00 AM	ND	8.8	30.93	36.8	NA	5.87	Pre-pumping measurement
	12/7/2023	9:55 AM	ND	ND	32.13	36.8	NA	4.67	Post-pumping measurement ~5.0 gallons removed
	12/20/2023	9:45 AM	ND	9.77	30.96	36.8	NA	5.84	Pre-pumping measurement
	12/20/2023	10:45 AM	ND	ND	32.31	36.8	NA	4.49	Post-pumping measurement ~5.0 gallons removed
	1/4/2024	9:00 AM	ND	9.01	31.60	36.8	NA	5.20	Pre-pumping measurement
	1/4/2024	9:45 AM	ND	ND	NA	36.8	NA	NA	Post-pumping measurement ~15.0 gallons removed
	1/17/2024	10:10 AM	ND	8.97	31.7	36.8	NA	5.10	Pre-pumping measurement
	1/17/2024	11:00 AM	ND	ND	NA	36.8	NA	NA	Post-pumping measurement ~15.0 gallons removed
	1/31/2024	1:45 PM	ND	8.00	33.76	36.8	NA	5.34	Pre-pumping measurement
	1/31/2024	2:30 PM	ND	ND	NA	36.8	NA	NA	Post-pumping measurement ~15.0 gallons removed
	2/14/2024	12:55 PM	ND	8.68	31.40	36.66	NA	5.26	Pre-pumping measurement
	2/14/2024	2:00 PM	ND	ND	32.66	36.66	NA	4.00	Post-pumping measurement ~5.0 gallons removed
	2/28/2024	9:40 AM	ND	9.40	31.66	36.66	NA	5.00	Pre-pumping measurement
	2/28/2024	11:00 AM	ND	ND	32.66	36.66	NA	4.00	Post-pumping measurement ~5.0 gallons removed
	3/14/2024	8:45 AM	ND	8.75	29.96	36.8	NA	6.84	Pre-pumping measurement
	3/14/2024	11:00 AM	ND	ND	30.36	36.8	NA	6.44	Post-pumping measurement ~2.0 gallons removed
	3/27/2024	9:15 AM	ND	9.32	30.78	36.8	NA	6.02	Pre-pumping measurement
	3/27/2024	10:30 AM	ND	ND	33.24	36.8	NA	3.56	Post-pumping measurement ~5.0 gallons removed
	4/24/2024	8:45 AM	ND	8.54	31.15	36.8	NA	5.65	Tubing malfunction, could not recover.
	5/9/2024	9:00 AM	ND	8.18	30.97	36.82	NA	5.85	Pre-pumping measurement
	5/9/2024	9:45 AM	ND	ND	33.42	36.82	NA	3.40	Post-pumping measurement ~5.0 gallons removed
	5/22/2024	9:30 AM	ND	8.65	31.31	36.8	NA	5.49	Pre-pumping measurement
	5/22/2024	10:00 AM	ND	ND	33.61	36.8	NA	3.19	Post-pumping measurement ~4.5 gallons removed
	6/5/2024	9:00 AM	ND	8.81	30.45	36.8	NA	6.35	Pre-pumping measurement
	6/5/2024	9:45 AM	ND	ND	33.60	36.8	NA	3.20	Post-pumping measurement ~5.5 gallons removed
	6/27/2024	9:15 AM	ND	9.00	31.24	36.8	NA	5.56	Pre-pumping measurement
	6/27/2024	10:00 AM	ND	ND	33.34	36.8	NA	3.46	Post-pumping measurement ~4.5 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-7	10/7/2020	10:55 AM	ND	9.24	ND	22.85	NA	NA	
	10/21/2020	8:55 AM	ND	9.02	ND	23.05	NA	NA	
	11/4/2020	7:15 AM	ND	9.15	ND	22.97	NA	NA	
	11/18/2020	10:25 AM	ND	9.37	ND	23.82	NA	NA	
	12/1/2020	9:25 AM	ND	8.89	ND	22.98	NA	NA	
	12/16/2020	9:10 AM	ND	9.41	ND	22.84	NA	NA	
	12/29/2020	9:25 AM	ND	9.14	ND	22.97	NA	NA	
	1/13/2021	8:35 AM	ND	9.51	ND	22.92	NA	NA	
	1/27/2021	9:00 AM	ND	9.67	ND	22.94	NA	NA	
	2/8/2021	9:10 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:15 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	10:10 AM	ND	9.40	ND	22.95	NA	NA	
	3/24/2021	9:32 AM	ND	9.27	ND	22.96	NA	NA	
	4/7/2021	9:20 AM	ND	9.00	ND	22.90	NA	NA	
	4/21/2021	9:30 AM	ND	8.90	ND	22.89	NA	NA	
	5/5/2021	9:40 AM	ND	8.90	ND	22.86	NA	NA	
	5/17/2021	9:35 AM	ND	9.33	ND	22.89	NA	NA	
	6/2/2021	9:14 AM	ND	8.76	ND	22.85	NA	NA	
	6/16/2021	9:40 AM	ND	8.85	ND	22.97	NA	NA	
	6/30/2021	9:02 AM	ND	9.29	ND	22.93	NA	NA	
	7/14/2021	8:55 AM	ND	8.55	ND	22.89	NA	NA	
	7/27/2021	8:30 AM	ND	8.39	ND	22.92	NA	NA	
	8/11/2021	11:00 AM	ND	9.02	ND	22.90	NA	NA	
	8/23/2021	9:40 AM	ND	7.70	ND	22.90	NA	NA	
	9/8/2021	8:30 AM	ND	8.37	ND	22.93	NA	NA	
	9/21/2021	9:57 AM	ND	8.97	ND	22.95	NA	NA	
	10/7/2021	9:50 AM	ND	8.82	ND	22.93	NA	NA	
	10/20/2021	7:40 AM	ND	8.83	ND	22.94	NA	NA	
	11/4/2021	10:15 AM	ND	8.55	ND	22.91	NA	NA	
	11/17/2021	7:40 AM	ND	8.95	ND	22.91	NA	NA	
	12/1/2021	9:40 AM	ND	9.51	ND	22.92	NA	NA	
	12/14/2021	8:15 AM	ND	9.75	ND	22.90	NA	NA	
	12/28/2021	11:40 AM	ND	9.63	ND	22.91	NA	NA	
	2/7/2022	9:45 AM	ND	9.19	ND	22.90	NA	NA	
	2/24/2022	9:00 AM	ND	9.66	ND	22.88	NA	NA	
	3/17/2022	10:15 AM	ND	9.47	ND	23.00	NA	NA	
	3/28/2022	11:30 AM	ND	9.17	ND	22.50	NA	NA	
	4/13/2022	9:35 AM	ND	8.95	ND	22.95	NA	NA	
	4/29/2022	12:25 AM	ND	9.28	ND	22.58	NA	NA	
	5/12/2022	11:35 AM	ND	8.87	ND	22.80	NA	NA	
	5/25/2022	10:30 AM	ND	9.13	ND	22.77	NA	NA	
	6/9/2022	11:45 AM	ND	8.58	ND	22.75	NA	NA	
	6/23/2022	10:40 AM	ND	9.22	ND	23.22	NA	NA	
	7/7/2022	13:52: PM	ND	9.35	ND	22.47	NA	NA	
	7/22/2022	9:05 AM	ND	8.83	ND	23.15	NA	NA	
	8/4/2022	10:11 AM	ND	9.45	ND	17.63	NA	NA	
	8/18/2022	12:15 PM	ND	9.22	ND	22.82	NA	NA	
	9/1/2022	8:20 AM	ND	9.26	ND	22.72	NA	NA	
	10/27/2022	9:00 AM	ND	9.14	ND	22.78	NA	NA	
	3/2/2023	12:20 PM	ND	9.1	ND	22.81	NA	NA	
	4/12/2023	3:00 PM	ND	9.42	ND	22.91	NA	NA	
	4/25/2024	10:35 AM	ND	9.6	ND	22.87	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-8	10/7/2020	1:40 PM	ND	9.93	35.24	36.24	NA	1.00	Pre-pumping measurment
	10/7/2020	2:30 PM	ND	9.93	ND	36.24	NA	NA	Post-pumping measurement ~1 gallon removed
	10/21/2020	2:30 PM	ND	9.70	35.33	36.23	NA	0.90	Pre-pumping measurment
	10/21/2020	2:45 PM	ND	9.70	ND	36.25	NA	NA	Post-pumping measurement ~0.75 gallon removed
	11/4/2020	9:15 AM	ND	10.75	Trace	38.14	NA	NA	
	11/18/2020	12:50 PM	ND	10.18	35.49	37.54	NA	2.05	Pre-pumping measurment
	11/18/2020	12:50 PM	ND	10.18	ND	37.54	NA	NA	Post-pumping measurement ~2 gallons removed
	12/1/2020	11:55 AM	ND	8.88	35.04	36.32	NA	1.28	Pre-pumping measurment
	12/1/2020	12:30 PM	ND	8.88	ND	36.32	NA	NA	Post-pumping measurement ~1 gallon removed
	12/16/2020	12:45 PM	ND	9.97	35.15	36.30	NA	1.15	Pre-pumping measurment
	12/16/2020	1:15 PM	ND	9.97	ND	36.30	NA	NA	Post-pumping measurement ~1 gallon removed
	12/29/2020	12:00 PM	ND	10.26	35.35	36.28	NA	0.93	Pre-pumping measurment
	12/29/2020	12:15 PM	ND	10.26	ND	36.28	NA	NA	Post-pumping measurement ~0.75 gallon removed
	1/13/2021	12:15 PM	ND	9.80	35.50	36.28	NA	0.78	Pre-pumping measurment
	1/13/2021	12:35 PM	ND	9.82	ND	36.28	NA	NA	Post-pumping measurement ~1 gallon removed
	1/27/2021	12:30 PM	ND	10.01	35.40	36.28	NA	0.88	Pre-pumping measurment
	1/27/2021	12:40 PM	ND	9.92	ND	36.28	NA	NA	Post-pumping measurement ~1 gallon removed
	2/8/2021	12:30 PM	ND	10.80	35.55	36.27	NA	0.72	Pre-pumping measurment
	2/8/2021	12:50 PM	ND	10.80	ND	36.27	NA	NA	Post-pumping measurement ~0.5 gallon removed
	2/24/2021	11:35 AM	ND	10.50	35.50	36.33	NA	0.83	Pre-pumping measurment
	2/24/2021	12:25 PM	ND	10.52	ND	36.33	NA	NA	Post-pumping measurement ~0.5 gallon removed
	3/10/2021	12:30 PM	ND	10.62	35.50	36.28	NA	0.78	Pre-pumping measurement
	3/10/2021	1:00 PM	ND	10.65	ND	36.33	NA	NA	Post-pumping measurement ~0.75 gallon removed
	3/24/2021	12:32 PM	ND	10.42	35.42	36.34	NA	0.92	Pre-pumping measurment
	3/24/2021	1:15 PM	ND	10.52	ND	36.36	NA	NA	Post-pumping measurement ~0.75 gallon removed
	4/7/2021	12:30 PM	ND	10.19	35.56	36.23	NA	0.67	Pre-pumping measurement
	4/7/2021	1:15 PM	ND	10.25	ND	36.23	NA	NA	Post-pumping measurement ~1 gallon removed
	4/21/2021	12:55 PM	ND	10.30	35.74	36.24	NA	0.50	Pre-pumping measurement
	4/21/2021	1:20 PM	ND	10.31	ND	36.29	NA	NA	Post-pumping measurement ~1 gallon removed
	5/5/2021	1:20 PM	ND	10.18	35.81	36.28	NA	0.47	Pre-pumping measurment
	5/5/2021	1:45 PM	ND	10.20	ND	36.26	NA	NA	Post-pumping measurement ~1 gallon removed
	5/17/2021	1:00 PM	ND	10.52	35.39	36.28	NA	0.89	Pre-pumping measurment
	5/17/2021	1:45 PM	ND	10.44	ND	36.28	NA	NA	Post-pumping measurement ~0.75 gallon removed
	6/2/2021	12:10 PM	ND	10.51	35.39	36.28	NA	0.89	Pre-pumping measurment
	6/2/2021	12:40 PM	ND	10.53	ND	36.30	NA	NA	Post-pumping measurement ~0.75 gallon removed
	6/16/2021	1:10 PM	ND	10.24	35.56	36.28	NA	0.72	Pre-pumping measurment
	6/16/2021	1:35 PM	ND	10.19	ND	36.33	NA	NA	Post-pumping measurement ~0.5 gallon removed
	6/30/2021	12:30 PM	ND	10.65	32.49	35.64	NA	3.15	Pre-pumping measurment
	6/30/2021	12:55 PM	ND	10.66	ND	35.67	NA	NA	Post-pumping measurement ~1 gallon removed
	7/14/2021	12:45 PM	ND	9.77	35.70	36.32	NA	0.62	Pre-pumping measurment
	7/14/2021	1:15 PM	ND	9.80	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	7/27/2021	1:10 PM	ND	9.41	35.70	36.32	NA	0.62	Pre-pumping measurment
	7/27/2021	1:40 PM	ND	9.47	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	8/11/2021	1:30 PM	ND	9.55	35.25	36.35	NA	1.10	Pre-pumping measurment
	8/11/2021	2:00 PM	ND	9.60	ND	36.35	NA	NA	Post-pumping measurement ~1 gallon removed
	8/23/2021	1:15 PM	ND	8.50	35.75	36.32	NA	0.57	Pre-pumping measurment
	8/23/2021	1:45 PM	ND	8.53	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	9/8/2021	1:20 PM	ND	9.06	35.40	36.37	NA	0.97	Pre-pumping measurment
	9/8/2021	1:55 PM	ND	9.09	ND	36.37	NA	NA	Post-pumping measurement ~0.5 gallon removed
	9/21/2021	2:15 PM	ND	9.63	35.40	36.33	NA	0.93	Pre-pumping measurment
	9/21/2021	2:50 PM	ND	9.65	ND	36.33	NA	NA	Post-pumping measurement ~1 gallon removed
	10/7/2021	1:45 PM	ND	9.32	35.27	36.37	NA	1.10	Pre-pumping measurment
	10/7/2021	2:05 PM	ND	9.43	ND	36.34	NA	NA	Post-pumping measurement ~1.25 gallon removed
	10/20/2021	1:30 PM	ND	9.92	35.50	36.27	NA	0.77	Pre-pumping measurment
	10/20/2021	2:10 PM	ND	9.95	ND	36.27	NA	NA	Post-pumping measurement ~1 gallon removed
	11/4/2021	5:00 PM	ND	10.18	34.80	36.37	NA	1.57	Pre-pumping measurment
	11/4/2021	5:25 PM	ND	10.20	ND	36.37	NA	NA	Post-pumping measurement ~0.5 gallon removed
	11/17/2021	2:00 PM	ND	10.28	35.80	36.27	NA	0.47	
	12/1/2021	1:30 PM	ND	10.34	34.78	36.32	NA	1.54	Pre-pumping measurment
	12/1/2021	1:50 PM	ND	10.36	ND	36.32	NA	NA	Post-pumping measurement ~1.5 gallon removed
	12/14/2021	2:15 PM	ND	11.36	35.60	36.33	NA	0.73	Pre-pumping measurment
	12/14/2021	2:45 PM	ND	11.39	ND	36.33	NA	NA	Post-pumping measurement ~0.5 gallon removed
	12/28/2021	1:00 PM	ND	10.34	35.41	36.32	NA	0.91	Pre-pumping measurment
	12/28/2021	1:20 PM	ND	10.96	ND	36.32	NA	NA	Post-pumping measurement ~1.5 gallon removed
	1/13/2022	11:05 AM	ND	10.86	35.29	36.32	NA	1.03	Pre-pumping measurment
	1/13/2022	2:00 PM	ND	10.96	ND	36.32	NA	NA	Post-pumping measurement ~1.5 gallon removed
	1/27/2022	2:00 PM	ND	10.79	35.79	36.32	NA	0.53	Pre-pumping measurment
	1/27/2022	2:30 PM	ND	10.88	ND	36.32	NA	NA	Post-pumping measurement ~1 gallon removed
	2/7/2022	1:00 PM	ND	10.42	35.82	36.32	NA	0.50	Pre-pumping measurment
	2/7/2022	1:30 PM	ND	10.87	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	2/24/2022	2:00 PM	ND	10.74	36.05	36.31	NA	0.26	Pre-pumping measurment
	2/24/2022	2:30 PM	ND	10.87	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	3/18/2022	9:20 AM	ND	10.30	34.4	36.20	NA		Pre-pumping measurment
	3/18/2022	1:00 PM	ND	ND	36.08	36.20	NA	0.12	Post-pumping measurment ~2 gallon removed
	3/28/2022	12:48 PM	ND	10.80	35.65	36.30	NA	0.65	Pre-Pumping Measurement- Pumping not conducted

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-8	4/1/2022	8:35 AM	ND	10.38	35.57	36.26	NA	0.69	Pre-pumping measurement
	4/1/2022	10:40 AM	ND	10.38	36.21	36.26	NA	0.05	Post-pumping measurement ~2 gallons removed
	4/13/2022	10:35 AM	ND	10.25	35.6	36.20	NA	0.6	Pre-pumping measurement
	4/13/2022	11:45 AM	ND	ND	36.17	36.2	NA	0.03	Post-pumping measrurement ~6 gallons removed
	4/29/2022	9:15 AM	ND	10.52	35.22	36.18	NA	0.96	Pre-pumping measurement
	4/29/2022	9:50 AM	ND	ND	36.03	36.18	NA	0.15	Pre-pumping measurement ~7 gallons removed
	5/12/2022	12:25 AM	ND	10.15	35.75	36.30	NA	0.55	Pre-pumping measurement
	5/13/2022	11:50 AM	ND	ND	35.97	36.29	NA	0.32	Post-pumping measrurement ~3.6 gallons removed
	5/25/2022	11:45 AM	ND	10.25	35.41	36.22	NA	0.81	Pre-pumping measurement
	5/25/2022	12:30 PM	ND	ND	36.11	36.23	NA	0.12	Pre-pumping measurement ~5.6 gallons removed
	6/9/2022	12:50 PM	ND	10.04	35.49	36.24	NA	0.75	Pre-pumping measurement
	6/9/2022	1:50 PM	ND	ND	36.21	36.25	NA	0.04	Post-pumping measrurement ~2.2 gallons removed
	6/23/2022	11:49 AM	ND	10.34	35.45	36.25	NA	0.8	
	7/7/2022	14:11:00 PM	ND	10.5	35.4	36.3	NA	0.9	
	7/21/2022	13:55:00 PM	ND	10.28	34.56	36.26	NA	1.7	Pre-pumping measurement
	7/21/2022	14:30:00 PM	ND	ND	36.21	36.26	NA	0.05	Post-pumping measurement ~3.5 gallons removed.
	8/4/2022	12:15 PM	ND	10.31	35.84	36.4	NA	0.56	Pre-pumping measurement.
	8/5/2022	2:15 PM	ND	ND	36.0	36.4	NA	0.4	Post-pumping measurement ~1.1 gallons removed
	8/18/2022	11:10 AM	ND	10.29	35.09	36.21	NA	1.12	
	9/1/2022	9:15 AM	ND	10.48	35.01	36.23	NA	1.22	
	10/12/2022	8:57 AM	ND	10.17	33.97	36.20	NA	2.23	not pumped - obstruction in well
	11/9/2022	10:15 AM	ND	10.03	33.03	36.23	NA	3.2	not pumped - obstruction in well
	12/8/2022	10:25 AM	ND	9.58	33.85	37.24	NA	3.39	Pre-pumping measurement.
	12/8/2022	11:50 AM	ND	ND	36.84	37.24	NA	0.4	Post-pumping measurement ~6 gallons removed
	1/4/2023	11:30 AM	ND	9.98	35.19	37.24	NA	2.05	Pre-pumping measurement.
	1/4/2023	11:40 AM	ND	ND	37.06	37.24	NA	0.18	Post-pumping measurement ~7 gallons removed
	2/1/2023	11:15 AM	ND	10.50	35.82	37.18	NA	1.36	Pre-pumping measurement.
	2/1/2023	12:00 PM	ND	ND	36.97	37.18	NA	0.21	Post-pumping measurement ~6 gallons removed
	3/2/2023	8:40 AM	ND	9.32	34.58	36.3	NA	1.72	Pre-pumping measurement.
	3/2/2023	9:25 AM	ND	ND	36.18	36.3	NA	0.12	Post-pumping measurement ~4.1 gallons removed
	4/12/2023	11:40 AM	ND	10.63	34.4	36.3	NA	1.9	Pre-pumping measurement- no pumping completed, equipment malfunction
	4/26/2023	9:15 AM	ND	9.94	34.37	36.27	NA	1.9	Pre-pumping measurement.
	4/26/2023	9:45 AM	ND	ND	36.25	36.27	NA	0.02	Post-pumping measurement ~6 gallons removed
	5/10/2023	1:00 PM	ND	9.77	35.89	36.26	NA	0.37	
	6/13/2023	11:30 AM	ND	10.26	34.79	36.3	NA	1.51	Pre-Pumping Measurement
	6/13/2023	12:15 PM	ND	ND	36.29	36.3	NA	0.01	Post-pumping measurement ~5.0 gallons removed
	7/5/2023	12:45 PM	ND	9.41	36.06	36.43	NA	0.37	
	8/2/2023	10:30 AM	ND	9.73	34.95	36.17	NA	1.22	Pre-Pumping Measurement
	8/2/2023	11:00 AM	ND	ND	36.15	36.17	NA	0.02	Post-pumping measurement ~4.5 gallons removed
	9/14/2023	11:45 AM	ND	9.51	34.76	36.21	NA	1.45	Pre-Pumping Measurement
	9/14/2023	12:20 PM	ND	ND	36.16	36.21	NA	0.05	Post-pumping measurement ~5.0 gallons removed
	10/12/2023	11:00 AM	ND	6.34	34.03	36.18	NA	2.15	Pre-Pumping Measurement
	10/12/2023	11:30 AM	ND	ND	36.16	36.18	NA	0.02	Post-pumping measurement ~6.0 gallons removed
	11/6/2023	10:10 AM	ND	10.03	34.58	36.23	NA	1.65	Pre-Pumping Measurement
	11/6/2023	10:35 AM	ND	ND	36.18	36.23	NA	0.05	Post-pumping measurement ~5.0 gallons removed
	12/6/2023	9:00 AM	ND	10.02	34.92	36.22	NA	1.3	Pre-Pumping Measurement
	12/6/2023	9:30 AM	ND	ND	36.19	36.22	NA	0.03	Post-pumping measurement ~4.5 gallons removed
	1/3/2024	10:00 AM	ND	10.36	35.35	36.15	NA	0.8	Pre-Pumping Measurement
	1/3/2024	11:00 AM	ND	ND	36.12	36.15	NA	0.03	Post-pumping measurement ~2.0 gallons removed
	2/15/2024	NA	NA	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	9:15 AM	ND	9.98	34.62	36.22	NA	1.60	Pre-Pumping Measurement
	3/13/2024	9:55 AM	ND	ND	36.21	36.22	NA	0.01	Post-pumping measurement ~4.0 gallons removed
	4/24/2024	12:30 PM	ND	9.6	34.98	36.23	NA	1.25	Pre-pumping measurement
	4/24/2024	12:50 PM	ND	ND	36.22	36.23	NA	0.01	Post-pumping measurement ~3 gallons removed
	5/9/2024	10:30 AM	ND	9.74	35.85	36.23	NA	0.38	
	6/6/2024	11:30 AM	ND	9.54	35.17	36.22	NA	1.05	Pre-pumping measurement
	6/6/2024	12:00 PM	ND	ND	36.21	36.22	NA	0.01	Post-pumping measurement ~2.5 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-9	10/7/2020	NA	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	10/14/2020	NA	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	10/21/2020	9:30 AM	**ND**	**10.83**	**32.96**	**33.56**	**NA**	**0.60**	**Pre-pumping measurment**
	10/21/2020	4:15 PM	**ND**	**10.83**	**ND**	**33.56**	**NA**	**NA**	**Post-pumping measurement ~0.5 gallon removed**
	11/4/2020	8:15 AM	ND	11.27	Trace	33.60	NA	NA	
	11/18/2020	10:50 AM	ND	10.89	ND	34.56	NA	NA	
	12/1/2020	10:10 AM	ND	9.26	ND	33.57	NA	NA	
	12/16/2020	9:55 AM	ND	10.66	ND	33.47	NA	NA	
	12/29/2020	10:40 AM	ND	10.39	ND	33.63	NA	NA	
	1/13/2021	9:40 AM	ND	10.25	ND	33.53	NA	NA	
	1/27/2021	9:50 AM	**ND**	**10.09**	**33.30**	**33.58**	**NA**	**0.28**	**Pre-pumping measurment**
	1/27/2021	11:50 AM	**ND**	**10.22**	**ND**	**33.58**	**NA**	**NA**	**Post-pumping measurement ~1 gallon removed**
	2/8/2020	12:20 PM	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	2/24/2021	9:40 AM	ND	10.49	ND	33.72	NA	NA	
	3/10/2021	10:50 AM	ND	10.78	Trace	33.70	NA	NA	
	3/24/2021	9:05 AM	ND	10.45	Trace	33.61	NA	NA	
	4/7/2021	9:25 AM	ND	10.01	Trace	33.51	NA	NA	
	4/21/2021	9:35 AM	ND	10.30	ND	33.52	NA	NA	
	5/5/2021	10:10 AM	ND	9.92	ND	33.52	NA	NA	
	5/17/2021	9:50 AM	ND	10.95	ND	33.49	NA	NA	
	6/2/2021	11:10 AM	ND	10.72	ND	33.51	NA	NA	
	6/16/2021	10:30 AM	ND	10.58	ND	33.42	NA	NA	
	6/30/2021	9:45 AM	ND	10.95	ND	33.52	NA	NA	
	7/14/2021	9:40 AM	ND	10.44	ND	33.53	NA	NA	
	7/27/2021	9:30 AM	ND	10.36	ND	33.53	NA	NA	
	8/11/2021	11:30 AM	ND	10.16	ND	33.53	NA	NA	
	8/23/2021	10:35 AM	ND	8.97	ND	33.48	NA	NA	
	9/8/2021	9:30 AM	ND	10.03	ND	33.48	NA	NA	
	9/21/2021	11:05 AM	ND	9.69	ND	33.50	NA	NA	
	10/7/2021	10:35 AM	ND	9.66	ND	33.48	NA	NA	
	10/20/2021	10:40 AM	ND	10.89	ND	33.46	NA	NA	
	11/4/2021	12:50 PM	ND	10.32	ND	32.55	NA	NA	
	11/17/2021	9:00 AM	ND	10.27	ND	33.48	NA	NA	
	12/1/2021	10:35 AM	ND	10.74	ND	33.51	NA	NA	
	12/14/2021	9:15 AM	ND	11.18	ND	33.48	NA	NA	
	12/28/2021	11:50 AM	ND	10.39	ND	33.45	NA	NA	
	1/13/2022	9:45 AM	ND	11.14	ND	33.97	NA	NA	
	1/27/2022	10:22 AM	ND	11.11	ND	33.49	NA	NA	
	2/7/2022	10:00 AM	ND	11.01	ND	33.49	NA	NA	
	2/24/2022	10:15 AM	ND	11.01	ND	33.49	NA	NA	
	3/18/2022	9:40 AM	ND	10.50	33.08	33.50	NA	0.42	
	3/28/2022	12:25 PM	ND	10.65	33.05	33.40	NA	0.35	
	4/13/2022	10:35 AM	ND	10.20	32.88	33.28	NA	0.4	
	4/29/2022	9:00 AM	ND	10.65	33.08	33.50	NA	0.42	
	5/12/2022	12:15 PM	ND	10.19	33.06	33.51	NA	0.45	
	5/25/2022	11:30 AM	ND	10.35	33.11	33.55	NA	0.44	
	6/9/2022	12:50 PM	ND	10.24	33.11	33.56	NA	0.45	
	6/23/2022	11:46 AM	ND	10.52	ND	34.06	NA	NA	
	7/7/2022	14:22:00 PM	ND	10.72	33.18	33.56	NA	0.47	
	7/21/2022	13:43:00 AM	ND	10.46	33.15	33.50	NA	0.35	
	8/4/2022	12:00 PM	ND	10.62	33.50	33.62	NA	0.12	
	8/18/2022	10:55 AM	ND	10.5	33.03	33.41	NA	0.38	
	9/1/2022	9:05 AM	ND	10.73	ND	33.31	NA	NA	
	10/12/2022	9:10 AM	ND	10.47	32.33	32.47	NA	0.14	
	11/9/2022	9:50 AM	ND	10.15	33.02	33.39	NA	0.37	
	12/22/2022	8:30 AM	ND	10.35	33.26	33.51	NA	0.25	
	1/4/2023	11:50 AM	ND	10.1	34.27	34.57	NA	0.30	
	2/1/2023	12:00 PM	ND	10.32	33.18	33.41	NA	0.23	
	3/2/2023	8:15 AM	ND	9.4	33.02	33.42	NA	0.40	
	4/12/2023	12:50 PM	ND	10.65	33.05	33.5	NA	0.45	
	7/5/2023	1:00 PM	ND	9.52	34.02	34.02	NA	Blebs	
	10/12/2023	10:30 AM	ND	9.39	33.06	33.35	NA	0.29	
	1/3/2024	10:15 AM	ND	10.4	33.06	33.36	NA	0.30	
	4/24/2024	12:45 PM	ND	9.77	33.08	33.33	NA	0.25	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	10/7/2020	2:05 PM	ND	10.15	27.23	33.58	NA	6.35	Pre-pumping measurement
	10/7/2020	3:00 PM	ND	10.15	ND	33.58	NA	NA	Post-pumping measurement ~4.5 gallons removed
	10/21/2020	2:50 PM	ND	9.92	28.38	33.57	NA	5.19	Pre-pumping measurement
	10/21/2020	3:45 PM	ND	9.92	ND	33.57	NA	NA	Post-pumping measurement ~4.75 gallons removed
	11/4/2020	9:45 AM	ND	11.08	28.00	33.74	NA	5.74	Pre-pumping measurement
	11/4/2020	10:00 AM	ND	11.08	ND	33.74	NA	NA	Post-pumping measurement ~4.25 gallons removed
	11/18/2020	1:25 PM	ND	10.49	27.14	33.75	NA	6.61	Pre-pumping measurement
	11/18/2020	2:15 PM	ND	10.49	ND	33.75	NA	NA	Post-pumping measurement ~4.5 gallons removed
	12/1/2020	12:35 PM	ND	9.19	28.83	33.66	NA	4.83	Pre-pumping measurement
	12/1/2020	1:20 PM	ND	9.19	ND	33.66	NA	NA	Post-pumping measurement ~3.5 gallons removed
	12/16/2020	11:30 AM	ND	10.51	27.80	33.65	NA	5.85	Pre-pumping measurement
	12/16/2020	12:00 PM	ND	10.51	ND	33.65	NA	NA	Post-pumping measurement ~4 gallons removed
	12/29/2020	12:30 PM	ND	10.52	30.90	33.73	NA	2.83	Pre-pumping measurement
	12/29/2020	1:00 PM	ND	10.52	ND	33.73	NA	NA	Post-pumping measurement ~3.5 gallons removed
	1/13/2021	11:20 AM	ND	10.11	28.28	33.73	NA	5.45	Pre-pumping measurement
	1/13/2021	12:10 PM	ND	10.15	ND	33.73	NA	NA	Post-pumping measurement ~2.5 gallons removed
	1/27/2021	1:10 PM	ND	10.30	28.00	33.64	NA	5.64	Pre-pumping measurement
	1/27/2021	1:25 PM	ND	10.44	ND	33.64	NA	NA	Post-pumping measurement ~4 gallons removed
	2/8/2021	1:00 PM	ND	10.97	29.85	33.65	NA	3.80	Pre-pumping measurement
	2/8/2021	1:30 PM	ND	11.00	ND	33.65	NA	NA	Post-pumping measurement ~3 gallons removed
	2/24/2021	10:40 AM	ND	10.56	29.68	33.64	NA	3.96	Pre-pumping measurement
	2/24/2021	11:30 AM	ND	10.58	ND	33.64	NA	NA	Post-pumping measurement ~3 gallons removed
	3/10/2021	1:30 PM	ND	10.90	29.48	33.73	NA	4.25	Pre-pumping measurement
	3/10/2021	2:00 PM	ND	10.94	ND	33.73	NA	NA	Post-pumping measurement ~3 gallons removed
	3/24/2021	11:30 AM	ND	10.56	31.11	33.54	NA	2.43	Pre-pumping measurement
	3/24/2021	12:15 PM	ND	10.68	ND	33.68	NA	NA	Post-pumping measurement ~4 gallons removed
	4/7/2021	11:45 AM	ND	10.24	29.29	33.70	NA	4.41	Pre-pumping measurement
	4/7/2021	12:15 PM	ND	10.30	ND	33.70	NA	NA	Post-pumping measurement ~4 gallons removed
	4/21/2021	12:15 PM	ND	10.49	30.29	33.59	NA	3.30	Pre-pumping measurement
	4/21/2021	12:45 PM	ND	10.48	ND	33.61	NA	NA	Post-pumping measurement ~3 gallons removed
	5/5/2021	12:30 PM	ND	10.37	30.42	33.59	NA	3.17	Pre-pumping measurement
	5/5/2021	12:55 PM	ND	9.69	ND	33.60	NA	NA	Post-pumping measurement ~3 gallons removed
	5/17/2021	11:58 AM	ND	10.95	30.01	33.59	NA	3.58	Pre-pumping measurement
	5/17/2021	12:45 PM	ND	10.86	ND	33.59	NA	NA	Post-pumping measurement ~3 gallons removed
	6/2/2021	11:30 AM	ND	10.76	29.17	33.59	NA	4.42	Pre-pumping measurement
	6/2/2021	12:00 PM	ND	10.81	ND	33.59	NA	NA	Post-pumping measurement ~4 gallons removed
	6/16/2021	11:55 AM	ND	10.63	29.81	33.67	NA	3.86	Pre-pumping measurement
	6/16/2021	12:55 PM	ND	10.59	ND	33.67	NA	NA	Post-pumping measurement ~3.5 gallons removed
	6/30/2021	11:50 AM	ND	10.98	32.45	33.64	NA	1.19	Pre-pumping measurement
	6/30/2021	12:15 PM	ND	11.01	ND	33.65	NA	NA	Post-pumping measurement ~3 gallons removed
	7/14/2021	12:00 PM	ND	10.19	30.05	33.69	NA	3.64	Pre-pumping measurement
	7/14/2021	12:30 PM	ND	10.22	ND	33.69	NA	NA	Post-pumping measurement ~3 gallons removed
	7/27/2021	12:20 PM	ND	9.90	29.40	33.79	NA	4.39	Pre-pumping measurement
	7/27/2021	12:50 PM	ND	10.20	ND	33.79	NA	NA	Post-pumping measurement ~3.5 gallons removed
	8/11/2021	2:30 PM	ND	9.96	29.80	33.73	NA	3.93	Pre-pumping measurement
	8/11/2021	2:45 PM	ND	9.97	ND	33.73	NA	NA	Post-pumping measurement ~3 gallons removed
	8/23/2021	2:15 PM	ND	8.80	31.05	33.70	NA	2.65	Pre-pumping measurement
	8/23/2021	2:45 PM	ND	8.87	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	9/8/2021	12:15 PM	ND	9.51	28.50	33.66	NA	5.16	Pre-pumping measurement
	9/8/2021	12:55 PM	ND	9.53	ND	33.66	NA	NA	Post-pumping measurement ~4 gallons removed
	9/21/2021	1:10 PM	ND	9.64	30.30	33.62	NA	3.32	Pre-pumping measurement
	9/21/2021	1:40 PM	ND	9.66	ND	33.62	NA	NA	Post-pumping measurement ~3 gallons removed
	10/7/2021	1:00 PM	ND	9.45	30.45	33.64	NA	3.19	Pre-pumping measurement
	10/7/2021	1:30 PM	ND	9.45	ND	33.65	NA	NA	Post-pumping measurement ~2.5 gallons removed
	10/20/2021	12:30 PM	ND	10.00	30.10	33.63	NA	3.53	Pre-pumping measurement
	10/20/2021	1:10 PM	ND	10.03	ND	33.63	NA	NA	Post-pumping measurement ~2.5 gallons removed
	11/4/2021	4:10 PM	ND	10.29	30.45	33.70	NA	3.25	Pre-pumping measurement

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	11/4/2021	4:45 PM	ND	9.45	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	11/17/2021	1:00 PM	ND	10.40	30.30	33.65	NA	3.35	Pre-pumping measurement
	11/17/2021	1:45 PM	ND	10.41	ND	33.65	NA	NA	Post-pumping measurement ~2.5 gallons removed
	12/1/2021	1:00 PM	ND	11.02	29.81	33.63	NA	3.82	Pre-pumping measurement
	12/1/2021	1:20 PM	ND	11.06	ND	33.63	NA	NA	Post-pumping measurement ~2.75 gallons removed
	12/14/2021	1:30 PM	ND	11.61	31.20	33.70	NA	2.50	Pre-pumping measurement
	12/14/2021	2:00 PM	ND	11.62	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	12/28/2021	12:30 PM	ND	10.49	32.08	33.70	NA	1.62	Pre-pumping measurement
	12/28/2021	12:50 PM	ND	10.82	ND	33.70	NA	NA	Post-pumping measurement ~2 gallons removed
	1/13/2022	11:15 AM	ND	10.91	31.65	33.70	NA	2.05	Pre-pumping measurement
	1/13/2022	1:20 PM	ND	10.82	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	1/27/2022	1:00 PM	ND	10.83	32.51	33.70	NA	1.19	Pre-pumping measurement
	1/27/2022	1:30 PM	ND	10.62	ND	33.70	NA	NA	Post-pumping measurement ~1.5 gallons removed
	2/7/2022	12:30 PM	ND	10.62	32.42	33.70	NA	1.28	Pre-pumping measurement
	2/7/2022	1:00 PM	ND	10.65	ND	33.70	NA	NA	Post-pumping measurement ~1 gallon removed
	2/24/2022	1:30 PM	ND	10.77	32.91	33.70	NA	0.79	Pre-pumping measurement
	2/24/2022	2:00 PM	ND	10.65	ND	33.70	NA	NA	Post-pumping measurement ~1.5 gallon removed
	3/18/2022	10:00 AM	ND	10.66	30.06	33.66	NA	3.6	Pre-pumping measurement
	3/18/2022	1:20 PM	ND	ND	33.53	33.66	NA	0.13	Post-pumping measurment ~4 gallons removed
	3/28/2022	12:15 PM	ND	10.05	32.05	33.55	NA	1.5	Pre-pumping measurement
	3/28/2022	2:45 PM	ND	ND	33.05	33.55	NA	0.5	Post-pumping measurment ~8 gallons removed
	4/13/2022	10:15 AM	ND	10.32	31.05	33.50	NA	2.45	Pre-pumping measurement
	4/14/2022	10:30 AM	ND	ND	ND	33.5	NA	NA	Post-pumping measurement ~7 gallons removed
	4/29/2022	8:15 AM	ND	10.83	31.97	33.57	NA	1.6	Pre-pumping measurement
	4/29/2022	9:00 PM	ND	ND	33.43	33.57	NA	0.14	Post-pumping measurment ~4 gallons removed
	5/12/2022	12:15 PM	ND	10.15	32.51	33.61	NA	1.1	Pre-pumping measurement
	5/13/2022	10:30 AM	ND	ND	33.54	33.61	NA	0.07	Post-pumping measurement ~5.2 gallons removed
	5/25/2022	11:25 AM	ND	10.37	31.77	33.57	NA	1.8	Pre-pumping measurement
	5/25/2022	11:50 AM	ND	ND	33.55	33.57	NA	0.02	Post-pumping measurment ~4.75 gallons removed
	6/9/2022	12:35 PM	ND	10.18	31.81	33.58	NA	1.77	Pre-pumping measurement
	6/9/2022	1:30 PM	ND	ND	33.57	33.6	NA	0.03	Post-pumping measurement ~2.6 gallons removed
	6/23/2022	11:08 AM	ND	10.49	33.51	34.56	NA	1.05	Pre-pumping measurement
	6/23/2022	11:30 AM	ND	ND	34.38	34.56	NA	0.18	Post-pumping measurment ~2.19 gallons removed
	7/7/2022	10:52 AM	ND	10.99	32.22	33.60	NA	1.38	Pre-pumping measurement
	7/7/2022	1:30 PM	ND	ND	33.55	33.6	NA	0.05	Post-pumping measurement ~2.0 gallons removed
	7/21/2022	1:10 PM	ND	10.54	31.48	33.58	NA	2.1	Pre-pumping measurement
	7/21/2022	2:00 PM	ND	ND	33.48	33.58	NA	0.1	Post-pumping measurment ~3.0 gallons removed
	8/4/2022	12:45 PM	ND	10.64	32.59	33.74	NA	1.15	Pre-pumping measurement
	8/5/2022	10:10 AM	ND	ND	33.43	33.74	NA	0.31	Post-pumping measurement ~20 gallons removed
	8/18/2022	10:40 AM	ND	10.50	31.32	33.58	NA	2.26	Pre-pumping measurement
	8/19/2022	14:00 PM	ND	ND	33.5	33.58	NA	0.08	Post-pumping measurment ~3.3 gallons removed
	9/1/2022	8:50 AM	ND	10.72	32.72	33.70	NA	0.98	Pre-pumping measurement
	9/2/2022	9:50 AM	ND	ND	33.47	33.70	NA	0.23	Post-pumping measurment ~3.0 gallons removed
	9/15/2022	11:00 AM	ND	10.45	32.13	33.61	NA	1.48	Pre-pumping measurement
	9/15/2022	11:30 AM	ND	ND	33.49	33.61	NA	0.12	Post-pumping measurement ~6 gallons removed
	9/29/2022	11:15 AM	ND	10.60	32.14	33.59	NA	1.45	Pre-pumping measurement
	9/29/2022	12:00 PM	ND	ND	33.55	33.59	NA	0.04	Post-pumping measurment ~5 gallons removed
	10/12/2022	9:17 AM	ND	10.53	32.05	33.58	NA	1.53	Pre-pumping measurement
	10/12/2022	9:34 AM	ND	ND	33.56	33.58	NA	0.02	Post-pumping measurement ~8 gallons removed
	10/26/2022	10:20 AM	ND	10.07	31.99	33.61	NA	1.62	Pre-pumping measurement
	10/26/2022	10:45 PM	ND	ND	33.4	33.61	NA	0.21	Post-pumping measurment ~10 gallons removed
	11/9/2022	9:40 AM	ND	10.42	32.32	33.67	NA	1.35	Pre-pumping measurement
	11/9/2022	10:25 AM	ND	ND	33.59	33.67	NA	0.08	Post-pumping measurement ~4 gallons removed
	11/22/2022	9:05 AM	ND	10.97	32.42	33.64	NA	1.22	Pre-pumping measurement
	11/22/022	9:35 AM	ND	ND	33.62	33.64	NA	0.02	Post-pumping measurment ~4 gallons removed
	12/8/2022	12:55 PM	ND	10.25	32.31	33.52	NA	1.21	Pre-pumping measurement
	12/8/2022	14:00:00 PM	ND	ND	33.43	33.52	NA	0.09	Post-pumping measurement ~4 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	12/22/2022	8:45 AM	ND	10.09	32.6	33.68	NA	1.08	Pre-pumping measurement
	12/22/2022	10:35 AM	ND	ND	33.53	33.68	NA	0.15	Post-pumping measurment ~4 gallons removed
	1/4/2023	12:10 PM	ND	10.25	31.52	33.52	NA	2.0	Pre-pumping measurement
	1/4/2023	12:20 PM	ND	ND	33.47	33.52	NA	0.05	Post-pumping measurment ~4 gallons removed
	1/19/2023	7:35 AM	ND	10.52	32.74	33.66	NA	0.92	Pre-pumping measurement
	1/19/2023	7:45 AM	ND	ND	33.66	33.66	NA	0.0	Post-pumping measurment ~3 gallons removed
	2/1/2023	9:35 AM	ND	10.2	32.22	33.57	NA	1.35	Pre-pumping measurement
	2/1/2023	10:50 AM	ND	ND	33.38	33.57	NA	0.19	Post-pumping measurment ~3 gallons removed
	2/15/2023	8:55 AM	ND	10.27	32.78	33.63	NA	0.85	Pre-pumping measurement
	2/15/2023	9:15 AM	ND	ND	33.61	33.63	NA	0.02	Post-pumping measurment ~3 gallons removed
	3/2/2023	8:05 AM	ND	9.57	31.44	32.59	NA	1.15	Pre-pumping measurement
	3/2/2023	8:35 AM	ND	ND	32.54	32.59	NA	0.05	Post-pumping measurment ~5.5 gallons removed
	3/15/2023	9:05 AM	ND	10.41	32.0	33.61	NA	1.61	Pre-pumping measurement
	3/15/2023	9:35 AM	ND	ND	33.31	33.61	NA	0.3	Post-pumping measurment ~4.2 gallons removed
	3/29/2023	9:00 AM	ND	10.18	32.12	33.64	NA	1.52	Pre-pumping measurement
	3/29/2023	9:15 AM	ND	ND	33.62	33.64	NA	0.02	Post-pumping measurment ~4 gallons removed
	4/12/2023	10:30 AM	ND	10.79	32.58	33.73	NA	1.15	Pre-pumping measurement
	4/12/2023	11:00 AM	ND	ND	33.33	33.73	NA	0.4	Post-pumping measurment ~4 gallons removed
	4/26/2023	8:20 AM	ND	10.15	32.80	33.60	NA	0.8	Pre-pumping measurement
	4/26/2023	8:50 AM	ND	ND	33.58	33.60	NA	0.02	Post-pumping measurment ~3.5 gallons removed
	5/10/2023	12:30 PM	ND	10.34	32.20	33.58	NA	1.38	Pre-pumping measurement
	5/10/2023	2:00 PM	ND	ND	33.51	33.58	NA	0.07	Post-pumping measurment ~4.1 gallons removed
	5/24/2023	10:45 AM	ND	10.52	32.24	33.53	NA	1.29	Pre-pumping measurement
	5/24/2023	11:15 AM	ND	ND	33.48	33.53	NA	0.05	Post-pumping measurment ~4.0 gallons removed
	6/13/2023	12:30 PM	ND	10.38	31.83	33.53	NA	1.70	Pre-pumping measurement
	6/13/2023	1:00 PM	ND	ND	31.83	33.53	NA	0.05	Post-pumping measurment ~4.0 gallons removed
	6/21/2023	10:30 AM	ND	10.36	33.06	33.47	NA	0.41	
	7/5/2023	9:50 AM	ND	10.10	32.58	33.70	NA	1.12	Pre-pumping measurement
	7/5/2023	10:15 AM	ND	ND	33.62	33.70	NA	0.08	Post-pumping measurment ~3.5 gallons removed
	7/19/2023	8:40 AM	ND	10.35	32.37	33.51	NA	1.14	Pre-pumping measurement
	7/19/2023	9:00 AM	ND	ND	33.49	33.51	NA	0.02	Post-pumping measurment ~4.0 gallons removed
	8/2/2023	11:15 AM	ND	9.92	32.53	33.48	NA	0.95	Pre-pumping measurement
	8/2/2023	11:45 AM	ND	ND	33.46	33.48	NA	0.02	Post-pumping measurment ~3.5 gallons removed
	8/16/2023	10:15 AM	ND	9.98	32.19	33.59	NA	1.40	Pre-pumping measurement
	8/16/2023	10:45 AM	ND	ND	33.54	33.59	NA	0.05	Post-pumping measurment ~4.0 gallons removed
	8/30/2023	8:50 AM	ND	9.85	32.11	33.50	NA	1.39	Pre-pumping measurement
	8/30/2023	9:30 AM	ND	ND	33.48	33.50	NA	0.02	Post-pumping measurment ~4.0 gallons removed
	9/14/2023	11:15 AM	ND	9.85	32.26	33.61	NA	1.35	Pre-pumping measurement
	9/14/2023	11:35 AM	ND	ND	33.58	33.61	NA	0.03	Post-pumping measurment ~4.0 gallons removed
	9/27/2023	8:45 AM	ND	10.06	32.78	33.67	NA	0.89	Pre-pumping measurement
	9/27/2023	10:10 AM	ND	ND	33.64	33.67	NA	0.03	Post-pumping measurment ~3.0 gallons removed
	10/12/2023	10:20 AM	ND	6.58	31.19	33.62	NA	2.43	Pre-pumping measurement
	10/12/2023	10:45 AM	ND	ND	33.57	33.62	NA	0.05	Post-pumping measurment ~6.0 gallons removed
	11/6/2023	10:55 AM	ND	10.23	31.79	33.67	NA	1.88	Pre-pumping measurement
	11/6/2023	11:15 AM	ND	ND	33.65	33.67	NA	0.02	Post-pumping measurment ~4.5 gallons removed
	11/21/2023	8:50 AM	ND	10.35	32.54	33.64	NA	1.10	Pre-pumping measurement
	11/21/2023	9:15 AM	ND	ND	33.52	33.64	NA	0.02	Post-pumping measurment ~3.5 gallons removed
	12/6/2023	9:50 AM	ND	10.21	32.23	33.63	NA	1.40	Pre-pumping measurement
	12/6/2023	10:10 AM	ND	ND	33.61	33.63	NA	0.02	Post-pumping measurment ~4.0 gallons removed
	12/20/2023	9:00 AM	ND	9.96	32.96	33.71	NA	0.75	Pre-pumping measurement
	12/20/2023	9:20 AM	ND	ND	33.7	33.71	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	1/3/2024	11:00 AM	ND	10.46	33.07	33.62	NA	0.55	Pre-pumping measurement
	1/3/2024	11:20 AM	ND	ND	33.60	33.62	NA	0.02	Post-pumping measurment ~1.5 gallons removed
	1/17/2024	9:10 AM	ND	10.40	32.10	33.60	NA	1.50	Pre-pumping measurement
	1/17/2024	10:00 AM	ND	ND	33.59	33.60	NA	0.01	Post-pumping measurment ~3.0 gallons removed
	1/31/2024	8:35 AM	ND	10.82	32.92	33.62	NA	0.70	Pump malfunction, could not recover.
	2/14/2024	9:30 AM	ND	10.33	32.99	33.74	NA	0.75	Pre-pumping measurement

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	2/14/2024	10:00 AM	ND	ND	33.73	33.74	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	2/28/2024	10:20 AM	ND	32.71	32.71	33.73	NA	1.02	Pre-pumping measurement
	2/28/2024	11:00 AM	ND	ND	33.72	33.73	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	3/13/2024	10:20 AM	ND	10.22	31.67	33.57	NA	1.90	Pre-pumping measurement
	3/13/2024	11:00 AM	ND	ND	33.55	33.57	NA	0.02	Post-pumping measurment ~4.5 gallons removed
	3/27/2024	11:10 AM	ND	9.81	32.01	33.51	NA	1.50	Pre-pumping measurement
	3/27/2024	12:00 PM	ND	ND	33.50	33.51	NA	0.01	Post-pumping measurment ~3.0 gallons removed
	4/24/2024	1:05 PM	ND	9.50	31.55	33.60	NA	2.05	Pre-pumping measurement
	4/24/2024	1:05 PM	ND	ND	33.59	33.60	NA	0.01	Post-pumping measurment ~6.0 gallons removed
	5/9/2024	10:00 AM	ND	10.11	32.54	33.45	NA	0.91	Pre-pumping measurement
	5/9/2024	10:20 AM	ND	ND	33.44	33.45	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	5/22/2024	10:20 AM	ND	9.91	33.10	33.52	NA	0.42	
	6/6/2024	11:00 AM	ND	9.94	32.62	33.62	NA	1.00	Pre-pumping measurement
	6/6/2024	11:20 AM	ND	ND	33.61	33.62	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	6/27/2024	10:45 AM	ND	10.67	32.56	33.61	NA	1.05	Pre-pumping measurement
	6/27/2024	11:00 AM	ND	ND	33.60	33.61	NA	0.01	Post-pumping measurment ~2.0 gallons removed
NW-10S	10/7/2020	10:45 AM	ND	10.50	ND	18.00	NA	NA	
	10/21/2020	9:25 AM	ND	10.49	ND	18.02	NA	NA	
	11/4/2020	7:25 AM	ND	10.33	ND	18.04	NA	NA	
	11/18/2020	10:35 AM	ND	10.51	ND	18.04	NA	NA	
	12/1/2020	9:40 AM	ND	9.82	ND	18.01	NA	NA	
	12/16/2020	9:00 AM	ND	10.82	ND	17.92	NA	NA	
	12/29/2020	9:00 AM	ND	10.57	ND	18.02	NA	NA	
	1/13/2021	8:30 AM	ND	10.62	ND	18.06	NA	NA	
	1/27/2021	8:50 AM	ND	10.57	ND	18.03	NA	NA	
	2/8/2021	10:00 AM	ND	10.50	ND	17.98	NA	NA	
	2/24/2021	9:20 AM	ND	9.55	ND	18.07	NA	NA	
	3/10/2021	10:00 AM	ND	10.89	ND	18.06	NA	NA	
	3/24/2021	9:02 AM	ND	10.67	ND	17.93	NA	NA	
	4/7/2021	9:30 AM	ND	10.27	ND	18.01	NA	NA	
	4/21/2021	9:36 AM	ND	10.23	ND	18.00	NA	NA	
	5/5/2021	9:35 AM	ND	10.01	ND	17.97	NA	NA	
	5/17/2021	9:45 AM	ND	10.72	ND	17.94	NA	NA	
	6/2/2021	11:20 AM	ND	10.46	ND	17.96	NA	NA	
	6/16/2021	9:45 AM	ND	10.41	ND	18.04	NA	NA	
	6/30/2021	9:10 AM	ND	10.63	ND	18.02	NA	NA	
	7/14/2021	8:50 AM	ND	10.03	ND	17.98	NA	NA	
	7/27/2021	8:23 AM	ND	9.94	ND	18.07	NA	NA	
	8/11/2021	11:20 AM	ND	10.23	ND	17.98	NA	NA	
	8/23/2021	10:10 AM	ND	9.20	ND	18.07	NA	NA	
	9/8/2021	8:55 AM	ND	10.89	ND	18.04	NA	NA	
	9/21/2021	10:30 AM	ND	10.10	ND	18.03	NA	NA	
	10/7/2021	9:41 AM	ND	10.06	ND	17.94	NA	NA	
	10/20/2021	7:45 AM	ND	10.40	ND	18.00	NA	NA	
	11/4/2021	12:30 PM	ND	9.92	ND	18.00	NA	NA	
	11/17/2021	8:00 AM	ND	10.39	ND	18.02	NA	NA	
	12/1/2021	9:20 AM	ND	10.64	ND	17.99	NA	NA	
	12/14/2021	8:05 AM	ND	11.10	ND	18.01	NA	NA	
	12/28/2021	12:05 PM	ND	10.39	ND	18.01	NA	NA	
	1/13/2022	9:05 AM	ND	11.01	ND	18.01	NA	NA	
	1/27/2022	9:10 AM	ND	11.00	ND	18.01	NA	NA	
	2/7/2022	10:15 AM	ND	10.89	ND	18.00	NA	NA	
	2/24/2022	10:30 AM	ND	10.96	ND	18.00	NA	NA	
	3/18/2022	9:45 AM	ND	10.65	ND	17.90	NA	NA	
	3/28/2022	12:20 PM	ND	10.50	ND	17.90	NA	NA	
	4/13/2022	10:20 AM	ND	10.28	ND	17.46	NA	NA	
	4/29/2022	8:43 AM	ND	10.61	ND	18.00	NA	NA	
	5/12/2022	12:10 PM	ND	10.04	ND	18.00	NA	NA	
	5/25/2022	11:30 AM	ND	10.24	ND	17.91	NA	NA	
	6/9/2022	12:45 PM	ND	10.02	ND	18.00	NA	NA	
	6/23/2022	11:06 AM	ND	10.22	ND	18.36	NA	NA	
	7/8/2022	9:15 AM	ND	10.56	ND	18.00	NA	NA	
	7/21/2022	13:38 PM	ND	10.21	ND	18.15	NA	NA	
	8/4/2022	12:33 PM	ND	10.52	ND	18.12	NA	NA	
	8/18/2022	10:50 AM	ND	10.24	ND	17.96	NA	NA	
	9/1/2022	8:55 AM	ND	10.33	ND	17.87	NA	NA	
	10/26/2022	11:45 AM	ND	9.93	ND	17.93	NA	NA	
	1/19/2023	7:40 AM	ND	10.58	ND	17.9	NA	NA	
	4/12/2023	1:25 PM	ND	10.51	ND	17.9	NA	Blebs on tape	
	4/24/2024	1:15 PM	ND	10.04	ND	17.85	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-11	**10/7/2020**	11:55 AM	**ND**	**4.13**	**21.71**	**22.80**	**NA**	**1.09**	**Pre-pumping measurement**
	10/14/2020	8:30 AM	**ND**	**5.70**	**ND**	**22.90**	**NA**	**ND**	**Post-pumping measurement ~3 gallons removed**
	10/21/2020	10:25 AM	ND	4.12	ND	22.87	NA	NA	
	11/4/2020	8:25 AM	ND	4.08	ND	22.73	NA	NA	
	11/18/2020	11:15 AM	ND	4.11	Trace	23.36	NA	NA	
	12/1/2020	10:00 AM	ND	3.95	Trace	22.81	NA	NA	
	12/16/2020	10:15 AM	ND	4.09	Trace	22.85	NA	NA	
	12/29/2020	10:50 AM	ND	4.01	ND	22.79	NA	NA	
	1/13/2021	10:10 AM	ND	4.13	21.55	22.79	NA	1.24	
	1/14/2021	8:10 AM	**ND**	**4.13**	**21.44**	**22.71**	**NA**	**1.27**	**Pre-pumping measurement**
	1/14/2021	8:20 AM	**ND**	**4.46**	**ND**	**22.71**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	1/27/2021	10:50 AM	ND	4.24	22.70	23.00	NA	0.30	
	1/28/2021	8:45 AM	**ND**	**4.36**	**22.70**	**23.00**	**NA**	**0.30**	**Pre-pumping measurement**
	1/28/2021	8:55 AM	**ND**	**4.38**	**ND**	**23.00**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/8/2021	10:55 AM	ND	4.20	ND	22.80	NA	NA	
	2/24/2021	9:50 AM	ND	4.09	22.48	22.98	NA	0.50	
	2/25/2021	8:20 AM	**ND**	**4.11**	**22.45**	**22.98**	**NA**	**0.53**	**Pre-pumping measurement**
	2/25/2021	8:25 AM	**ND**	**4.12**	**ND**	**22.97**	**NA**	**NA**	**Post-pumping measurement ~2 gallons removed**
	3/10/2021	11:30 AM	ND	4.06	22.48	22.91	NA	0.43	
	3/11/2021	8:40 AM	**ND**	**4.08**	**22.34**	**22.91**	**NA**	**0.57**	**Pre-pumping measurement**
	3/11/2021	8:50 AM	**ND**	**6.51**	**ND**	**22.96**	**NA**	**NA**	**Post-pumping measurement ~2 gallons removed**
	3/24/2021	9:50 AM	ND	3.78	ND	22.81	NA	NA	
	4/7/2021	9:35 AM	ND	3.41	22.54	22.90	NA	0.36	
	4/8/2021	8:10 AM	ND	3.48	22.65	22.90	NA	0.25	
	4/21/2021	9:45 AM	ND	3.88	22.52	22.88	NA	0.36	
	4/22/2021	9:00 AM	ND	3.91	22.49	22.88	NA	0.39	
	5/5/2021	10:55 AM	ND	3.83	22.25	22.88	NA	0.63	
	5/6/2021	7:16 AM	ND	3.84	22.60	22.88	NA	0.28	
	5/17/2021	10:21 AM	ND	3.82	ND	22.86	NA	NA	
	6/2/2021	9:49 AM	ND	3.80	21.84	22.89	NA	1.05	
	6/3/2021	8:40 AM	**ND**	**3.82**	**21.84**	**22.89**	**NA**	**1.05**	**Pre-pumping measurement**
	6/3/2021	8:50 AM	**ND**	**3.85**	**ND**	**22.91**	**NA**	**NA**	**Post-pumping measurement ~3 gallons removed**
	6/16/2021	10:25 AM	ND	3.80	ND	22.74	NA	NA	
	6/30/2021	10:07 AM	ND	3.86	ND	22.74	NA	NA	
	7/14/2021	9:20 AM	ND	3.77	ND	22.96	NA	NA	
	7/27/2021	9:25 AM	ND	3.83	21.83	22.93	NA	1.10	
	7/29/2021	8:10 AM	**ND**	**3.84**	**21.83**	**22.93**	**NA**	**1.10**	**Pre-pumping measurement**
	7/29/2021	8:25 AM	**ND**	**8.25**	**ND**	**22.93**	**NA**	**NA**	**Post-pumping measurement ~5.1 gallons removed**
	8/11/2021	11:40 AM	ND	3.96	ND	23.00	NA	NA	
	8/23/2021	10:55 AM	ND	3.81	22.65	22.80	NA	0.15	
	9/8/2021	9:52 AM	ND	3.80	22.05	22.95	NA	0.90	
	9/9/2021	8:20 AM	**ND**	**3.76**	**22.05**	**22.95**	**NA**	**0.90**	**Pre-pumping measurement**
	9/9/2021	8:25 AM	**ND**	**7.20**	**ND**	**22.95**	**NA**	**NA**	**Post-pumping measurement ~3.4 gallons removed**
	9/21/2021	11:38 AM	ND	3.83	ND	23.00	NA	NA	
	10/7/2021	11:45 AM	ND	3.72	22.10	22.96	NA	0.86	
	10/8/2021	7:25 AM	**ND**	**3.73**	**22.06**	**22.95**	**NA**	**0.89**	**Pre-pumping measurement**
	10/8/2021	8:33 AM	**ND**	**7.75**	**ND**	**22.96**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	10/20/2021	11:20 AM	ND	3.75	ND	22.90	NA	NA	
	11/4/2021	12:55 PM	ND	3.82	22.55	22.82	NA	0.27	
	11/17/2021	9:15 AM	ND	4.03	22.20	22.79	NA	0.59	
	11/19/2021	10:05 AM	**ND**	**4.06**	**22.20**	**22.79**	**NA**	**0.59**	**Pre-pumping measurement**
	11/19/2021	10:20 AM	**ND**	**4.07**	**ND**	**22.79**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/1/2021	11:25 AM	ND	4.21	ND	22.97	NA	NA	
	12/14/2021	12:00 PM	ND	4.51	22.70	23.00	NA	0.30	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-11	12/28/2021	12:10 PM	ND	4.51	22.59	23.01	NA	0.42	
	1/13/2022	10:45 AM	ND	4.41	ND	22.99	NA	NA	
	1/27/2022	10:50 AM	ND	4.41	22.48	22.99	NA	0.51	
	1/28/2022	8:30 AM	**ND**	**4.39**	**22.44**	**22.99**	**NA**	**0.55**	**Pre-pumping measurement**
	1/28/2022	8:35 AM	**ND**	**4.50**	**ND**	**22.99**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/7/2022	10:40 AM	ND	4.11	ND	23.00	NA	NA	
	2/24/2022	11:00 AM	ND	4.32	22.68	22.98	NA	0.30	
	3/17/2022	10:04 AM	ND	4.12	22.60	22.95	NA	0.35	
	3/28/2022	11:15 PM	ND	4.02	22.56	22.90	NA	0.34	
	4/13/2022	**9:27 AM**	**ND**	**3.85**	**22.15**	**22.85**	**NA**	**0.70**	**Pre-pumping measurement**
	4/13/2022	**1:57 PM**	**ND**	**5.10**	**ND**	**22.90**	**NA**	**NA**	**Post-pumping measrurement ~3 gallons removed**
	4/29/2022	9:30 AM	ND	3.93	22.44	22.83	NA	0.39	
	5/12/2022	11:20 PM	ND	3.88	22.60	22.85	NA	0.25	
	5/25/2022	10:30 AM	ND	3.93	22.39	22.84	NA	0.45	
	6/9/2022	**11:20 PM**	**ND**	**3.86**	**21.93**	**22.83**	**NA**	**0.90**	**Pre-pumping measurement**
	6/9/2022	**12:20 PM**	**ND**	**ND**	**22.73**	**22.83**	**NA**	**0.10**	**Post-pumping measurement ~2.5 gallons removed**
	6/23/2022	11:59 AM	ND	4.05	22.31	22.84	NA	0.53	
	7/7/2022	13:33:00 PM	ND	4.28	21.97	22.87	NA	0.90	
	7/21/2022	**11:45 AM**	**ND**	**4.07**	**22.97**	**22.87**	**NA**	**0.90**	**Pre-pumping measurement**
	7/21/2022	**12:15 PM**	**ND**	**ND**	**22.52**	**22.87**	**NA**	**0.35**	**Post-pumping measurement ~3.0 gallons removed**
	8/4/2022	**9:38 AM**	**ND**	**4.17**	**21.82**	**22.87**	**NA**	**1.05**	**Pre-pumping measurement**
	8/5/2022	**12:15 PM**	**ND**	**ND**	**22.40**	**22.87**	**NA**	**0.47**	**Post-pumping measurement ~9.50 gallons removed**
	8/18/2022	12:25 PM	ND	4.32	22.54	22.84	NA	0.30	
	9/1/2022	8:25 AM	ND	4.42	ND	22.79	NA	NA	
	10/13/2022	11:20 AM	ND	4.15	22.43	22.91	NA	0.48	
	11/9/2022	9:25 AM	ND	4.41	22.27	22.87	NA	0.60	
	12/8/2022	9:45 AM	ND	4.20	22.03	22.78	NA	0.75	
	1/19/2023	**10:00 AM**	**ND**	**4.02**	**21.21**	**21.96**	**NA**	**0.75**	**Pre-pumping measurement**
	1/19/2023	**10:10 AM**	**ND**	**ND**	**21.95**	**21.96**	**NA**	**0.01**	**Post-pumping measurement ~4 gallons removed**
	3/1/2023	11:00 AM	ND	4.2	22.5	22.85	NA	0.35	
	4/12/2023	3:05 PM	ND	4.2	21.7	22.8	NA	1.1	Pre-pumping measurement, pump not working - no recovery
	5/10/2023	**10:30 AM**	**ND**	**3.85**	**21.72**	**22.82**	**NA**	**1.1**	**Pre-pumping measurement**
	5/10/2023	**10:45 AM**	**ND**	**ND**	**22.8**	**22.82**	**NA**	**0.02**	**Post-pumping measurement ~4.25 gallons removed**
	6/13/2023	**11:30 AM**	**ND**	**4.14**	**21.89**	**22.81**	**NA**	**0.92**	**Pre-pumping measurement**
	6/13/2023	**11:45 AM**	**ND**	**ND**	**22.80**	**22.81**	**NA**	**0.01**	**Post-pumping measurement ~4.0 gallons removed**
	7/5/2023	11:10 AM	ND	4.39	21.51	21.99	NA	0.48	
	8/2/2023	10:00 AM	ND	4.11	22.30	22.75	NA	0.45	
	9/14/2023	**10:10 AM**	**ND**	**3.98**	**21.39**	**22.79**	**NA**	**1.40**	**Pre-pumping measurement**
	9/14/2023	**10:30 AM**	**ND**	**ND**	**22.78**	**22.79**	**NA**	**0.01**	**Post-pumping measurement ~5.5 gallons removed**
	10/12/2023	10:00 AM	ND	3.85	22.47	22.89	NA	0.42	
	11/6/2023	**11:30 AM**	**ND**	**3.91**	**21.64**	**22.86**	**NA**	**1.22**	**Pre-pumping measurement**
	11/6/2023	**11:50 AM**	**ND**	**3.91**	**22.85**	**22.86**	**NA**	**0.01**	**Post-pumping measurement ~4.5 gallons removed**
	12/6/2023	10:45 AM	ND	4.03	22.51	22.86	NA	0.35	
	1/3/2024	9:40 AM	ND	3.80	22.38	22.83	NA	0.45	
	2/15/2024	NA	NA	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**ND**	**3.75**	**21.51**	**22.81**	**NA**	**1.30**	**Pre-pumping measurement**
	3/13/2024	**11:50 AM**	**ND**	**ND**	**22.80**	**22.81**	**NA**	**0.01**	**Post-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	ND	3.90	22.44	22.84	NA	0.4	
	5/8/2024	**12:00 PM**	**ND**	**4.11**	**22.07**	**22.62**	**NA**	**0.55**	**Pre-pumping measurement**
	5/8/2024	**12:20 PM**	**ND**	**ND**	**22.61**	**22.62**	**NA**	**0.01**	**Post-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	ND	3.88	22.65	22.85	NA	0.2	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-12	10/7/2020	11:15 AM	ND	3.75	ND	21.10	NA	NA	
	10/21/2020	8:50 AM	ND	3.76	ND	21.25	NA	NA	
	11/4/2020	7:35 AM	ND	3.86	ND	21.20	NA	NA	
	11/18/2020	10:20 AM	ND	4.02	ND	21.89	NA	NA	
	12/1/2020	9:20 AM	ND	3.70	ND	21.29	NA	NA	
	12/16/2020	9:05 AM	ND	3.98	ND	21.13	NA	NA	
	12/29/2020	9:05 AM	ND	3.92	ND	21.14	NA	NA	
	1/13/2021	9:45 AM	ND	4.00	ND	21.55	NA	NA	
	1/27/2021	8:55 AM	ND	4.10	ND	21.25	NA	NA	
	2/8/2021	10:15 AM	ND	4.04	ND	NA	NA	NA	Bottom depth not measured.
	2/24/2021	9:10 AM	ND	3.89	ND	21.18	NA	NA	
	3/10/2021	10:40 AM	ND	3.83	ND	21.33	NA	NA	
	3/24/2021	9:28 AM	ND	3.71	ND	21.23	NA	NA	
	4/7/2021	9:40 AM	ND	3.64	ND	21.16	NA	NA	
	4/21/2021	9:50 AM	ND	3.64	ND	21.23	NA	NA	
	5/5/2021	10:05	ND	3.61	ND	21.17	NA	NA	
	5/17/2021	9:55 AM	ND	3.71	ND	21.15	NA	NA	
	6/2/2021	9:39 AM	ND	3.55	ND	21.21	NA	NA	
	6/16/2021	9:35 AM	ND	3.65	ND	21.14	NA	NA	
	6/30/2021	9:05 AM	ND	3.69	ND	21.16	NA	NA	
	7/14/2021	9:15 AM	ND	3.53	ND	21.19	NA	NA	
	7/27/2021	8:38 AM	ND	3.54	ND	21.11	NA	NA	
	8/11/2021	11:15 AM	ND	3.73	ND	21.26	NA	NA	
	8/23/2021	10:15 AM	ND	3.49	ND	21.12	NA	NA	
	9/8/2021	9:18 AM	ND	3.36	ND	21.26	NA	NA	
	9/21/2021	10:17 AM	ND	3.59	ND	21.15	NA	NA	
	10/7/2021	10:20 AM	ND	3.46	ND	21.11	NA	NA	
	10/20/2021	7:35 AM	ND	3.58	ND	22.17	NA	NA	
	11/4/2021	10:30 AM	ND	3.62	ND	21.12	NA	NA	
	11/17/2021	8:05 AM	ND	3.81	ND	21.05	NA	NA	
	12/1/2021	10:10 AM	ND	4.07	ND	21.04	NA	NA	
	12/14/2021	8:30 AM	ND	4.24	ND	21.09	NA	NA	
	12/28/2021	12:15 PM	ND	4.17	ND	21.10	NA	NA	
	1/13/2022	9:40 AM	ND	4.16	ND	21.11	NA	NA	
	1/27/2022	9:37 AM	ND	4.11	ND	21.10	NA	NA	
	2/7/2022	9:37 AM	ND	4.11	ND	21.10	NA	NA	
	2/24/2022	11:10 AM	ND	4.07	ND	21.11	NA	NA	
	3/17/2022	10:10 AM	ND	3.89	ND	21.30	NA	NA	
	3/28/2022	11:20 AM	ND	3.92	ND	21.20	NA	NA	
	4/13/2022	9:20 AM	ND	3.70	ND	21.02	NA	NA	
	4/29/2022	11:00 AM	ND	3.74	ND	21.22	NA	NA	
	5/12/2022	11:30 AM	ND	3.75	ND	20.92	NA	NA	
	5/26/2022	10:25 AM	ND	3.79	ND	21.12	NA	NA	
	6/9/2022	11:30 AM	ND	3.52	ND	21.12	NA	NA	
	6/23/2022	10:35 AM	ND	3.61	ND	21.22	NA	NA	
	7/7/2022	13:35:00 PM	ND	3.97	ND	20.93	NA	NA	
	7/21/2022	11:35 AM	ND	3.78	ND	21.12	NA	NA	
	8/4/2022	9:35 AM	ND	3.94	ND	21.11	NA	NA	
	8/18/2022	12:30 PM	ND	3.98	ND	21.12	NA	NA	
	9/1/2022	8:35 AM	ND	NA	ND	21.19	NA	NA	
	10/27/2022	9:30 AM	ND	4.05	ND	21.43	NA	NA	
	1/19/2023	7:55 AM	ND	4.61	ND	21.57	NA	NA	
	4/12/2023	1:10 PM	ND	4.01	ND	21.03	NA	NA	
	4/25/2024	10:20 AM	ND	3.91	ND	21.11	NA	NA	

Notes:
Pre/post pumping event readings are bolded.
LNAPL - Light Non-Aqueous Phase Liquid
DNAPL - Dense Non-Aqueous Phase Liquid
* - Estimated due to High Viscous DNAPL
NA - Not Applicable
NM - Not Measurable (High Viscosity)

October 31, 2024
Project No. 2201010

VIA EMAIL: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Progress Report – Third Quarter 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360098

Dear Mr. Starr:

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the third quarter of 2024.

Site Activities

During the third quarter of 2024, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q3 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. On August 28, 2024, the controller used with the gas displacement pumps malfunctioned and was sent to QED for repairs. A buffalo pump was subsequently used at NW-5 and NW-6. DNAPL gauging and recovery amounts for the Q3 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55-gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On July 3, August 14, and September 11, 2024, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q3 are provided in Attachment A. DNAPL recovery rates are shown in Attachment B.

A total of approximately 89.0 gallons of DNAPL were recovered during the reporting period. Since the start of 2024, a total of 298.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2024 are summarized in Table 3.

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q4 2024:

- Complete DNAPL gauging and removal in Q4 2024 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, while long-term trends and alternate recovery methods are evaluated.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q4 2024.

If you have any questions or require any further information, please contact Melissa Abt at Con Edison at 718.204.4331 or via electronic mail at abtm@coned.com.

Sincerely,

GEI Consultants, Inc., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager

Melissa Felter, P.G.
Project Manager

MO/MF:ag
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\Monthly Reports\2024\Q3\PCW\report.C360099.PCW-QuarterlyReport_Q3.2024.docx

Appendices
Tables
Figures
Attachment A Waste Disposal Manifests
Attachment B Recovery Rate Graphs

cc: G. Moran/J. Vogel/M. Simpson/C. Hinckley/S. Lessick, AVB
M. Godick/S. Grens, AKRF
M. Chokshi/M. Abt, Con Edison

Tables

Table 1. Q3 2024 DNAPL Summary

Table 2. 2024 Well Gauging Measurements

Table 3. 2024 DNAPL Recovery Totals

Table 1. Q3 2024 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)							Total DNAPL Removed (Gallons)
	7/3/2024	7/17/2024	7/30/2024	8/14 - 8/15/2024	8/28/2024	9/11/2024	9/25/2024	Q3 2024
NW-5	**7.20**	**7.65**	**7.20**	**6.48**	NA	**8.00**	**7.90**	**37.0**
NW-6	**5.46**	**5.06**	**6.60**	**6.76**	**5.52**	**6.80**	**5.01**	**38.5**
NW-8	0.42	NA	NA	**1.00**	NA	0.39	NA	**2.5**
NW-10	0.36	**0.55**	**0.51**	0.42	**1.00**	0.31	**0.65**	**6.5**
NW-11	0.32	NA	NA	**0.75**	NA	**1.05**	NA	**4.5**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/25/2024	11:00 AM	6.39	NA	20.35	NA	
NW-3	4/25/2024	11:15 AM	6.62	NA	32.98	NA	
NW-4	4/25/2024	11:30 AM	8.85	NA	43.20	NA	
	5/22/2024	12:00 PM	8.38	NA	43.30	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**1/4/2024**	**10:30 AM**	**6.60**	**29.86**	**37.28**	**7.42**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	1/17/2024	NA	NA	NA	NA	NA	No more drum space, could not recover.
	1/31/2024	**9:55 AM**	**7.54**	**29.50**	**37.30**	**7.80**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	2/15/2024	12:00 PM	7.77	29.90	36.57	6.67	Pump malfunction, could not recover.
	2/28/2024	**11:35 AM**	**8.49**	**29.70**	**37.18**	**7.48**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**11:30 AM**	**7.01**	**29.48**	**37.38**	**7.90**	**Pre-pumping measurement ~7.5 gallons removed**
	3/27/2024	**12:00 PM**	**7.21**	**29.97**	**37.18**	**6.29**	**Pre-pumping measurement ~4 gallons removed**
	4/25/2024	**9:00 AM**	**8.20**	**28.75**	**37.25**	**8.50**	**Pre-pumping measurement ~7.5 gallons removed**
	5/9/2024	**11:00 AM**	**8.30**	**29.48**	**37.23**	**7.75**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**11:00 AM**	**6.81**	**29.51**	**37.31**	**7.80**	**Pre-pumping measurement ~5 gallons removed**
	6/5/2024	**10:00 AM**	**7.47**	**31.06**	**37.31**	**6.25**	**Pre-pumping measurement ~4.5 gallons removed**
	6/27/2024	**11:15 AM**	**8.52**	**29.61**	**37.21**	**7.60**	**Pre-pumping measurement ~5 gallons removed**
	7/3/2024	**11:25 AM**	**8.60**	**30.08**	**37.28**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	7/17/2024	**10:15 AM**	**6.75**	**29.66**	**37.31**	**7.65**	**Pre-pumping measurement ~5 gallons removed**
	7/30/2024	**10:45 AM**	**9.82**	**29.87**	**37.07**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	8/14/2024	**10:20 AM**	**7.30**	**30.65**	**37.13**	**6.48**	**Pre-pumping measurement ~4 gallons removed**
	8/28/2024	NA	NA	NA	NA	NA	Equipment malfunction, could not recover.
	9/11/2024	**12:15 PM**	**7.50**	**29.25**	**37.25**	**8.00**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**10:45 AM**	**8.20**	**29.39**	**37.29**	**7.90**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
NW-6	**1/4/2024**	**9:00 AM**	**9.01**	**31.60**	**36.80**	**5.20**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/17/2024	**10:10 AM**	**8.97**	**31.70**	**36.80**	**5.10**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/31/2024	**1:45 PM**	**8.00**	**33.76**	**36.80**	**5.34**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	2/14/2024	**12:55 PM**	**8.68**	**31.40**	**36.66**	**5.26**	**Pre-pumping measurement ~5 gallons removed**
	2/28/2024	**9:40 AM**	**9.40**	**31.66**	**36.66**	**5.00**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**8:45 AM**	**8.75**	**29.96**	**36.80**	**6.84**	**Pre-pumping measurement ~2 gallons removed (metal pipe blocked air line)**
	3/27/2024	**9:15 AM**	**9.32**	**30.78**	**36.80**	**6.02**	**Pre-pumping measurement ~5 gallons removed**
	4/24/2024	8:45 AM	8.54	31.15	36.80	5.65	Tubing malfunction, could not recover.
	5/9/2024	**9:00 AM**	**8.18**	**30.97**	**36.82**	**5.85**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**9:30 AM**	**8.65**	**31.31**	**36.80**	**5.49**	**Pre-pumping measurement ~4.5 gallons removed**
	6/5/2024	**9:00 AM**	**8.81**	**30.45**	**36.80**	**6.35**	**Pre-pumping measurement ~5.5 gallons removed**
	6/27/2024	**9:15 AM**	**9.00**	**31.24**	**36.80**	**5.56**	**Pre-pumping measurement ~4.5 gallons removed**
	7/3/2024	**9:15 AM**	**8.80**	**31.34**	**36.80**	**5.46**	**Pre-pumping measurement ~4.5 gallons removed**
	7/17/2024	**8:30 AM**	**8.85**	**31.74**	**36.80**	**5.06**	**Pre-pumping measurement ~4 gallons removed**
	7/30/2024	**9:00 AM**	**8.12**	**30.20**	**36.80**	**6.60**	**Pre-pumping measurement ~5 gallons removed**
	8/14/2024	**8:40 AM**	**8.84**	**30.04**	**36.80**	**6.76**	**Pre-pumping measurement ~5 gallons removed**
	8/28/2024	9:00 AM	8.68	31.28	36.80	5.52	Equipment malfunction, could not recover.
	9/11/2024	**11:15 AM**	**9.80**	**30.00**	**36.80**	**6.80**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**9:45 AM**	**8.50**	**31.79**	**36.80**	**5.01**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
NW-7	4/25/2024	10:35 AM	9.60	NA	22.87	NA	
NW-8	**1/3/2024**	**10:00 AM**	**10.36**	**35.35**	**36.15**	**0.80**	**Pre-pumping measurement ~2 gallons removed**
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**9:15 AM**	**9.98**	**34.62**	**36.22**	**1.60**	**Pre-pumping measurement ~4 gallons removed**
	4/24/2024	**12:30 PM**	**9.60**	**34.98**	**36.23**	**1.25**	**Pre-pumping measurement ~3 gallons removed**
	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
	7/3/2024	10:15 AM	10.30	35.90	36.26	0.42	
	8/15/2024	**10:25 AM**	**10.77**	**35.21**	**36.21**	**1.00**	**Pre-pumping measurement ~2.5 gallons removed**
	9/11/2024	9:00 AM	10.75	35.80	36.19	0.39	
NW-9	1/3/2024	10:15 AM	10.40	33.06	33.36	0.30	
	4/24/2024	12:45 PM	9.77	33.08	33.33	0.25	
NW-10	**1/3/2024**	**11:00 AM**	**10.46**	**33.07**	**33.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	1/17/2024	**9:10 AM**	**10.40**	**32.10**	**33.60**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	1/31/2024	8:35 AM	10.82	32.82	33.62	0.70	Pump malfunction, could not recover.
	2/14/2024	**9:30 AM**	**10.33**	**32.99**	**33.74**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	2/28/2024	**10:20 AM**	**11.05**	**32.71**	**33.73**	**1.02**	**Pre-pumping measurement ~2 gallons removed**
	3/13/2024	**10:20 AM**	**10.22**	**31.67**	**33.57**	**1.90**	**Pre-pumping measurement ~4.5 gallons removed**
	3/27/2024	**11:10 AM**	**9.81**	**32.01**	**33.51**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	**1:05 PM**	**9.50**	**31.55**	**33.60**	**2.05**	**Pre-pumping measurement ~6 gallons removed**
	5/9/2024	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement ~2 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement ~2 gallons removed**
	7/3/2024	10:25 AM	10.46	33.28	33.64	0.36	
	7/17/2024	**9:45 AM**	**10.33**	**32.84**	**33.39**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	7/30/2024	**12:50 PM**	**10.57**	**32.87**	**33.38**	**0.51**	**Pre-pumping measurement ~1.5 gallons removed**
	8/14/2024	11:15 AM	9.74	33.19	33.61	0.42	
	8/28/2024	**11:00 AM**	**9.81**	**32.58**	**33.58**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	9:20 AM	10.60	33.09	33.40	0.31	
	9/25/2024	**9:15 AM**	**9.85**	**32.95**	**33.60**	**0.65**	**Pre-pumping measurement ~1.5 gallons removed**
NW-10S	4/24/2024	1:15 PM	10.04	NA	17.85	NA	
NW-11	1/3/2024	9:40 AM	3.80	22.38	22.83	0.45	
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**3.75**	**21.51**	**22.81**	**1.30**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	3.90	22.44	22.84	0.40	
	5/8/2024	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
	7/3/2024	10:35 AM	4.50	22.37	22.69	0.32	
	8/15/2024	**10:00 AM**	**3.94**	**21.97**	**22.72**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	**9:45 AM**	**4.38**	**21.80**	**22.85**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
NW-12	4/25/2024	10:20 AM	3.91	NA	21.11	NA	

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2024 DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

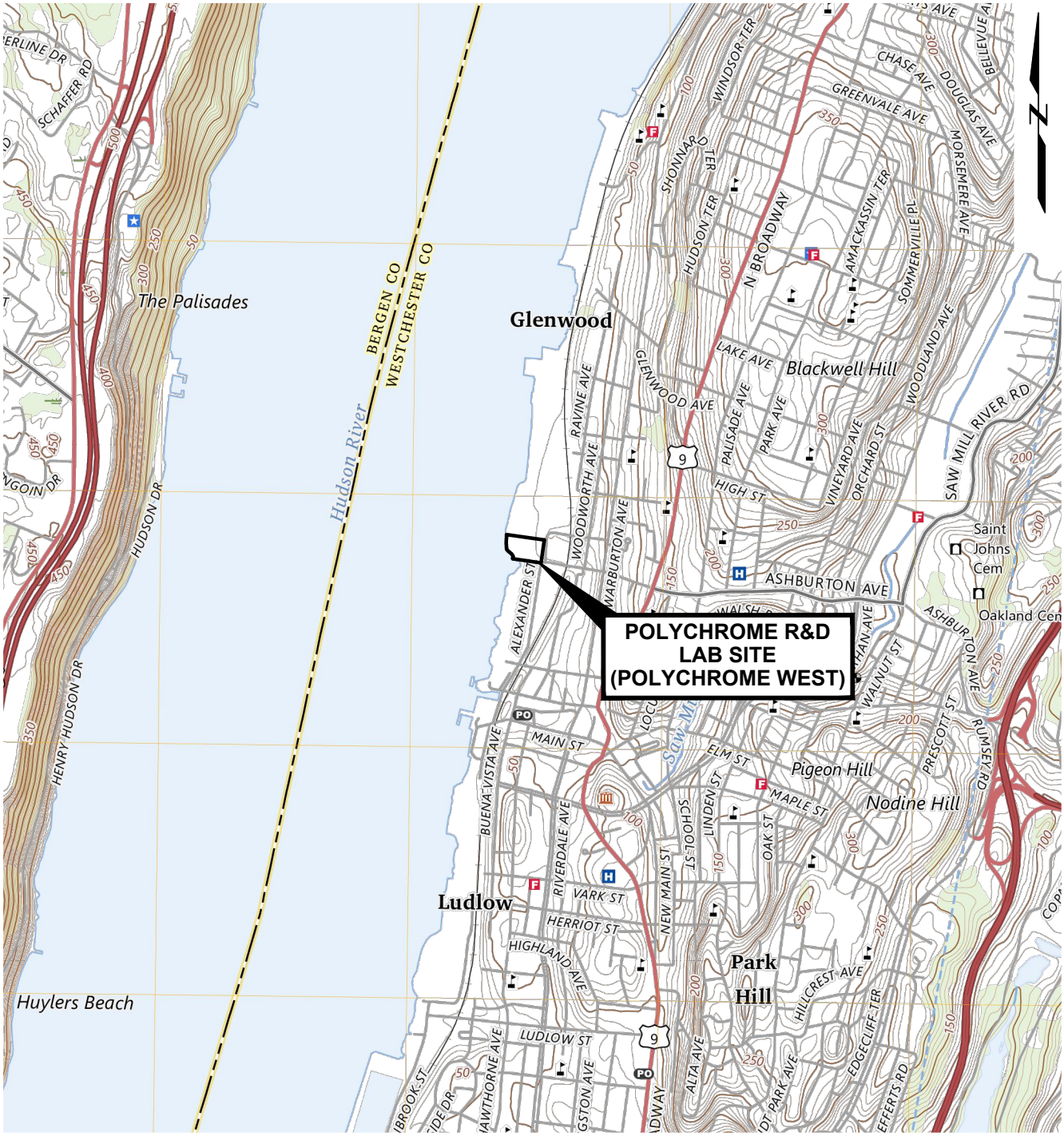
	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-5	**40.0**	**5.0**	**11.5**	**7.5**	**10.0**	**9.5**	**13.0**	**4.0**	**20.0**				**120.50**
NW-6	**45.0**	**10.0**	**7.0**	NA	**9.5**	**10.0**	**13.5**	**5.0**	**20.0**				**120.00**
NW-7	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-8	**2.0**	NA	**4.0**	**3.0**	NA	**2.5**	NA	**2.5**	NA				**14.00**
NW-9	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-10	**4.5**	**4.0**	**7.5**	**6.0**	**2.0**	**4.0**	**3.0**	**2.0**	**1.5**				**34.50**
NW-11	NA	NA	**3.0**	NA	**1.5**	NA	NA	**2.0**	**2.5**				**9.00**
NW-12	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
Event Total	**91.50**	**19.00**	**33.00**	**16.50**	**23.00**	**26.00**	**29.50**	**15.50**	**44.00**	**0.00**	**0.00**	**0.00**	**298.00**
Date Generated	1/3/2024, 1/4/2024, 1/17/2024, 1/31/2024	2/14/2024, 2/15/2024, 2/28/2024	3/13/2024, 3/14/2024, 3/27/2024	4/24/2024, 4/25/2024	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024	7/3/2024, 7/17/2024, 7/30/2024	8/14/2024, 8/15/2024, 8/28/2024	9/11/2024, 9/25/2024				
Off-Site Disposal Date	1/3/2024, 1/31/2024	2/28/2024	3/27/2024	4/24/2024, 5/9/2024	5/9/2024, 6/6/2024	6/6/2024, 7/3/2024	7/3/2024, 8/14/2024	8/14/2024, 9/11/2024	9/11/2024				
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey				

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

Figure 1. Site Location Map

Figure 2. NAPL Recovery and Groundwater Monitoring Well Location Plan

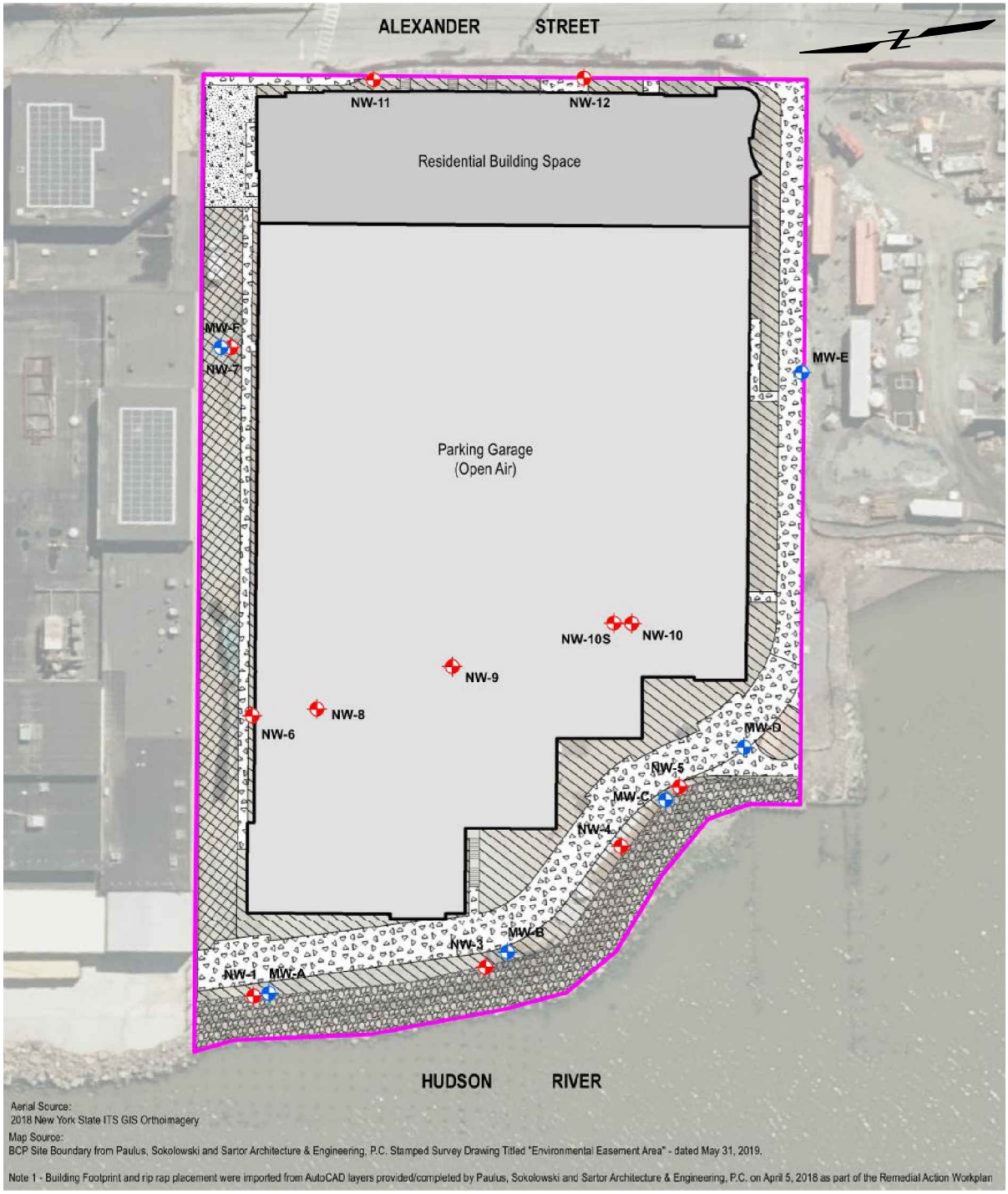


SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	October 2024 Fig. 1

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023



LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 80 160

SCALE: 1" = 80'

Quarterly Progress Report
Polychrome West (PCW)
Yonkers, New York

Consolidated Edison Company of New York, Inc.
Long Island City, New York

GEI Consultants

NAPL RECOVERY AND GROUNDWATER MONITORING WELLS

Project 2201010 | October 2024 | Fig. 2

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Attachment A Waste Disposal Manifests

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	8606089717	018014125 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att: Melissa Felter
212-580-8383
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone:

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone:
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III, RQ (D018)	10	DM	500	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III, RQ(D018)	10	DM	500	P	D018
	3.					
	4.					

14: Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz.
ER Provider Melissa Felter Order#: 2616052 - Note:
(2) ERG#171: 2230800135 - Purged NAPL and

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jaime Rivera — Signature: Jaime Rivera — Month: 7 Day: 3 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHRISTIAN BARROS — Signature — Month: 7 Day: 3 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H141	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000254706
2. Page 1 of: 1
3. Emergency Response Phone: 8606089717
4. Manifest Tracking Number: 018012748 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.
U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	2	DM	50	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	3	DM	165	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz.
(2) ERG#171: 2230800135 - Purged NAPL and Groundwater-Haz.
Order#: 2671474 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: N. Alvarez
Signature:
Month: 8 Day: 14 Year: 24

INT'L

16. International Shipments
☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella
Signature:
Month: 8 Day: 14 Year: 24
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
Received Pending Manifest Review/Quality Control Data
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H141 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	9505083717	018024579 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.
U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	2	DM	200	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	2	DM	110	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2709493 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Norberto Alvarez
Signature:
Month: 9 Day: 11 Year: 04

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella
Signature:
Month: 9 Day: 11 Year: 04
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest Review/Quality Control Date

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

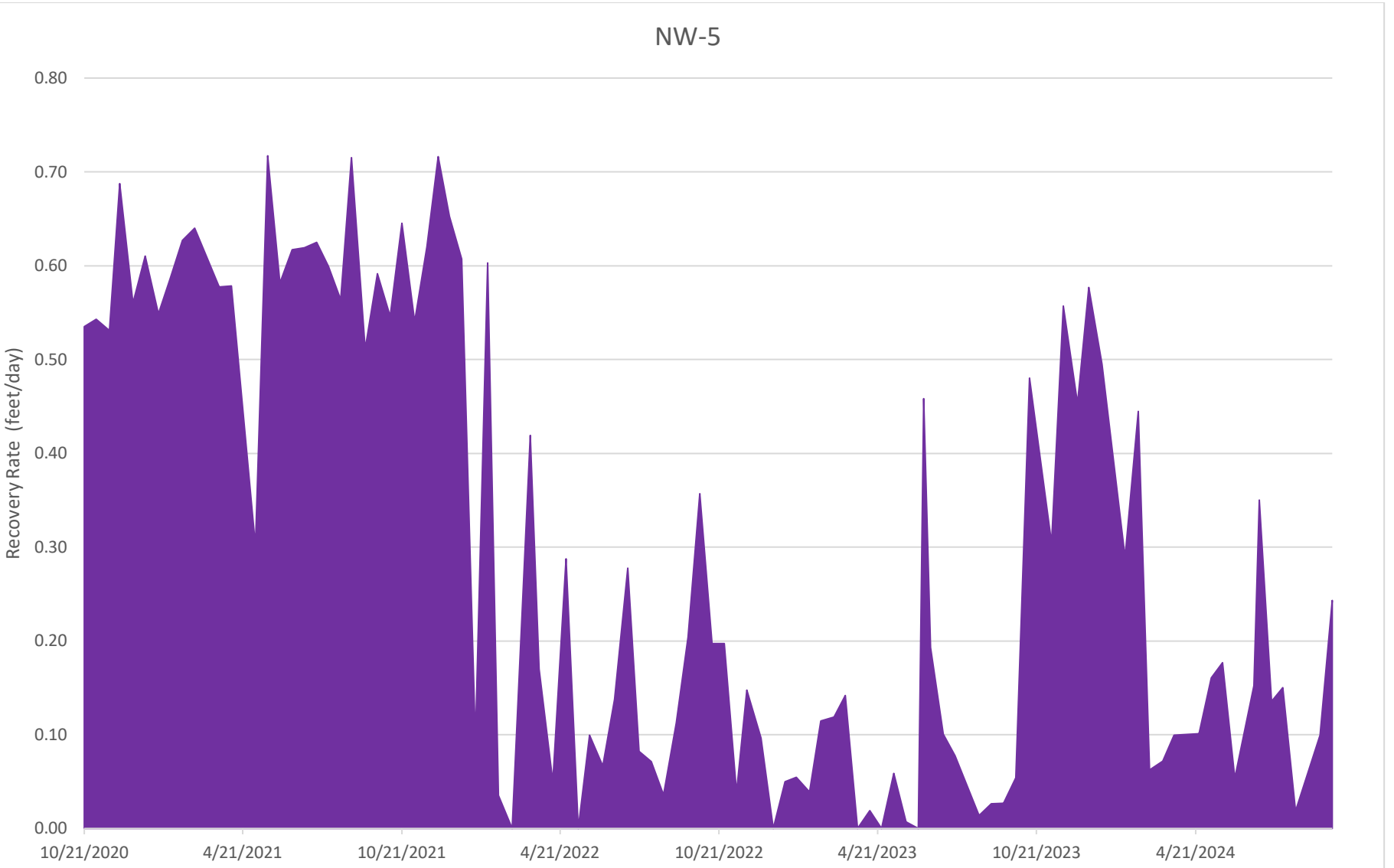
1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

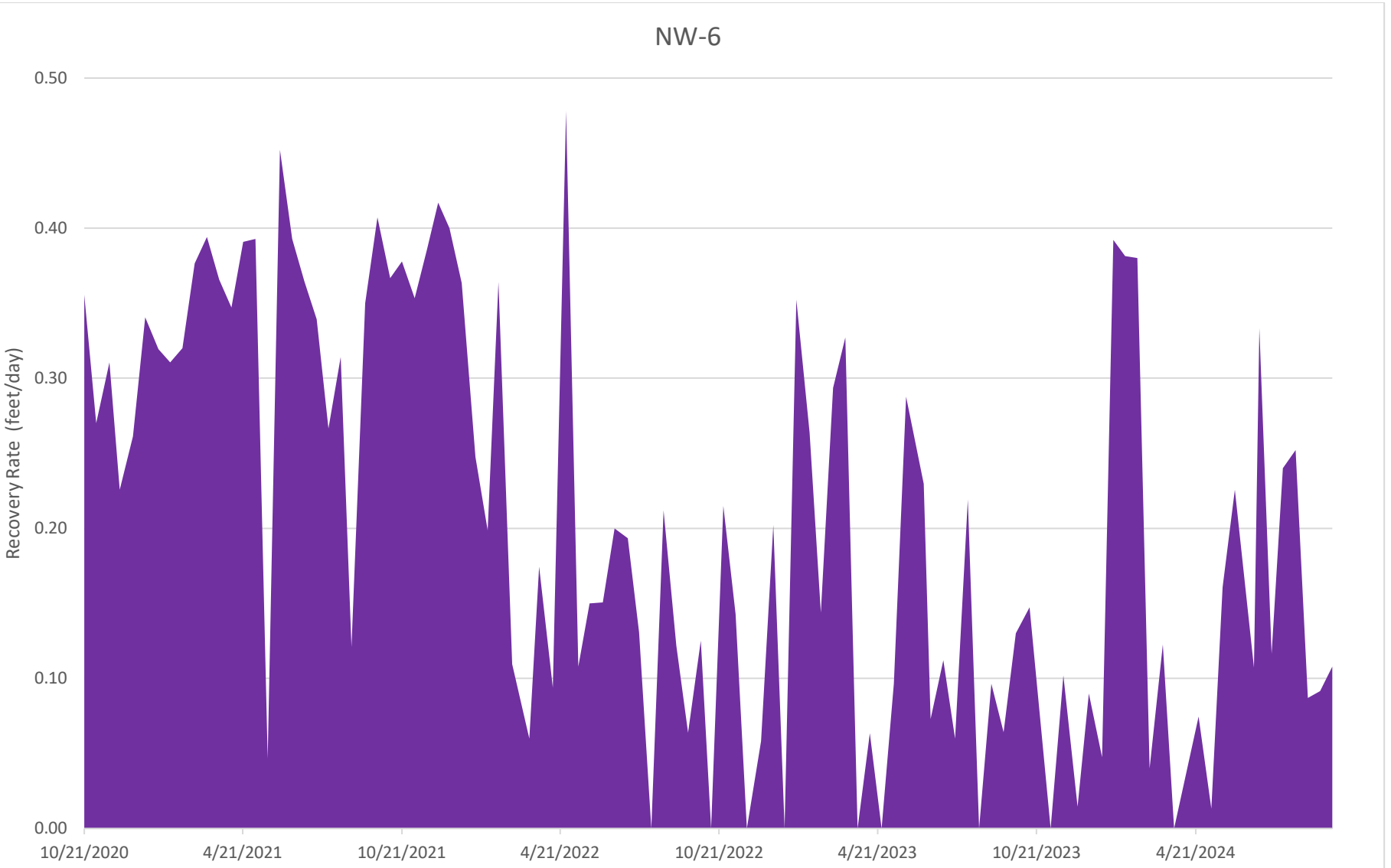
EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

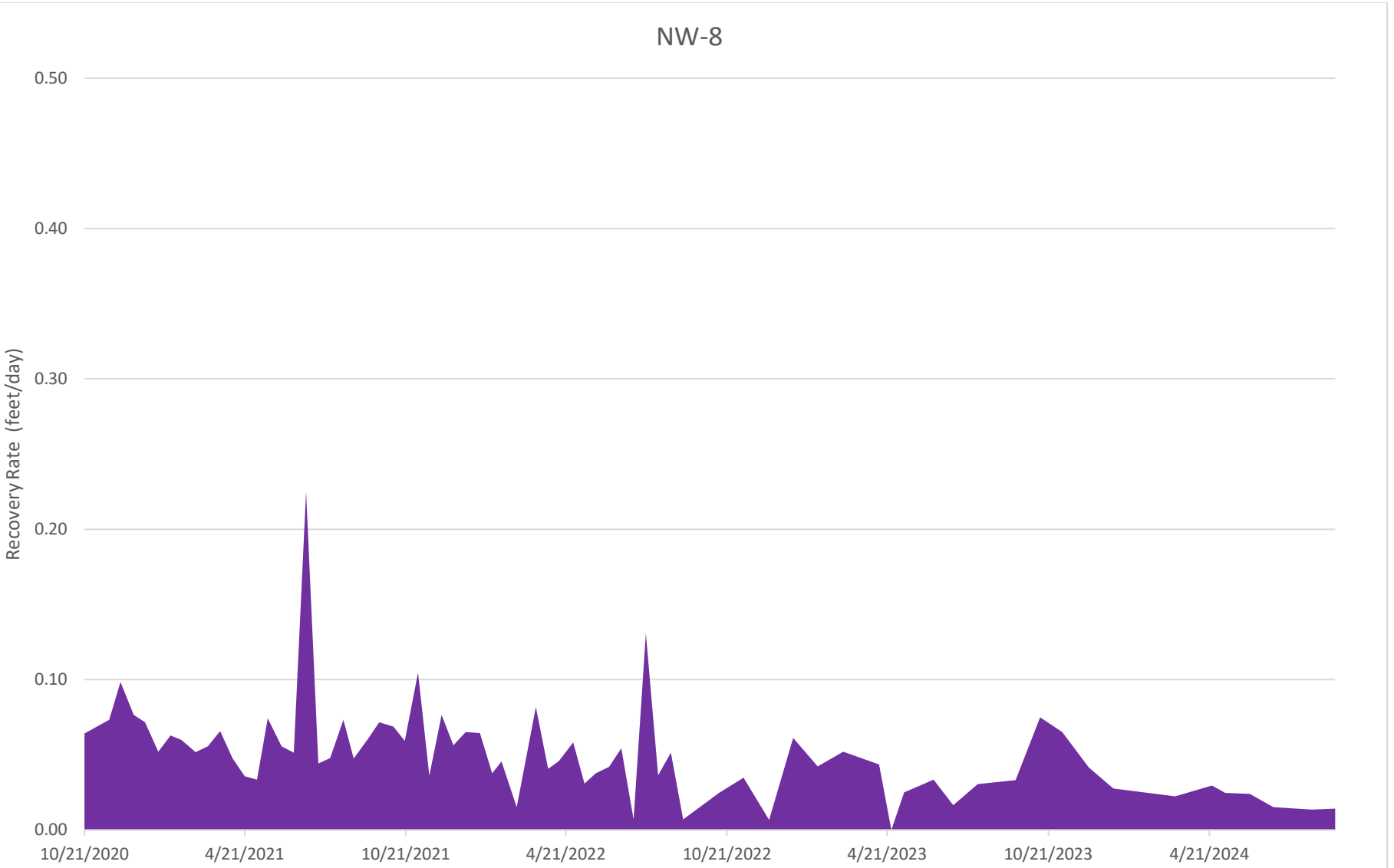
Attachment B Recovery Rate Graphs



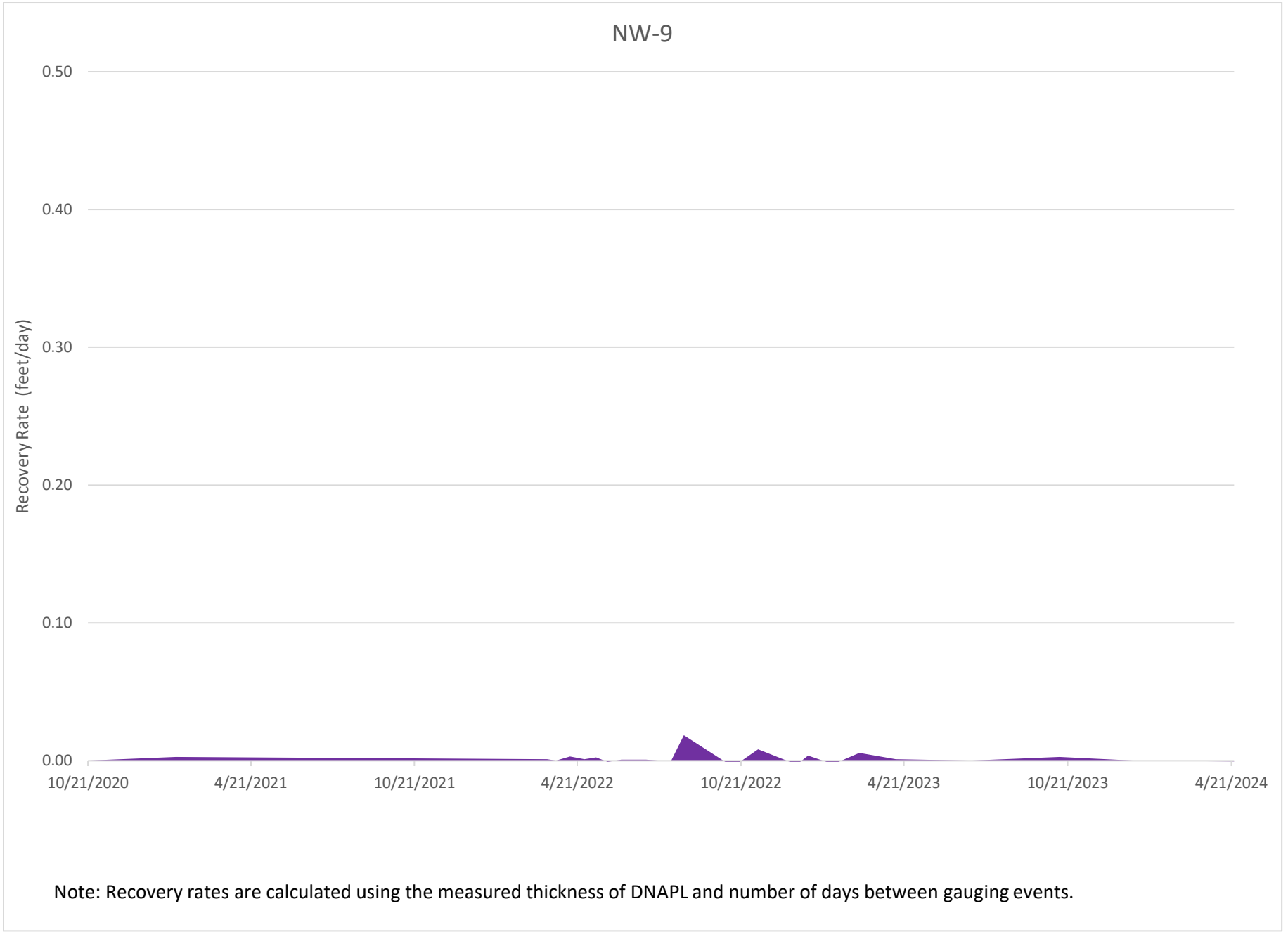
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



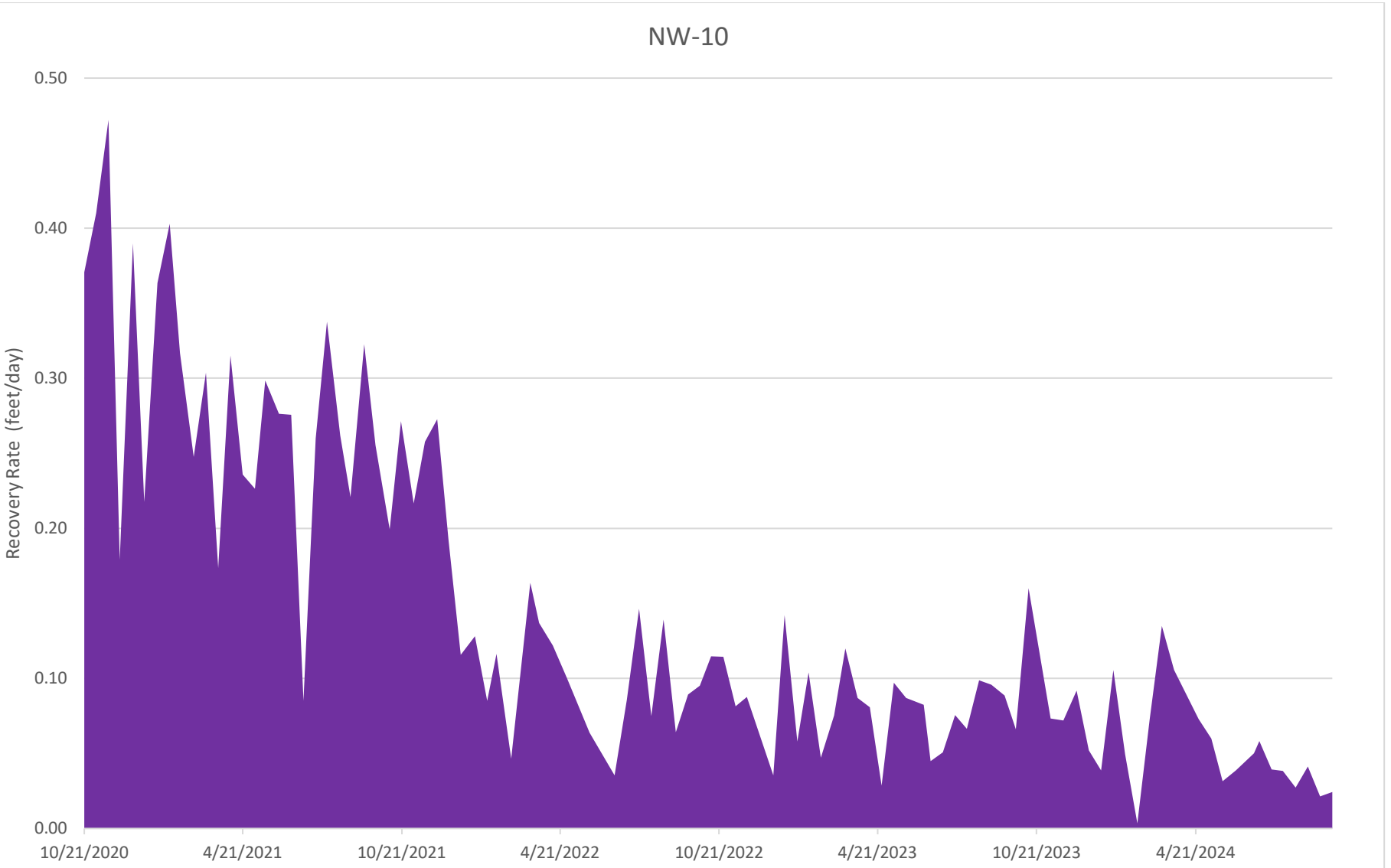
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



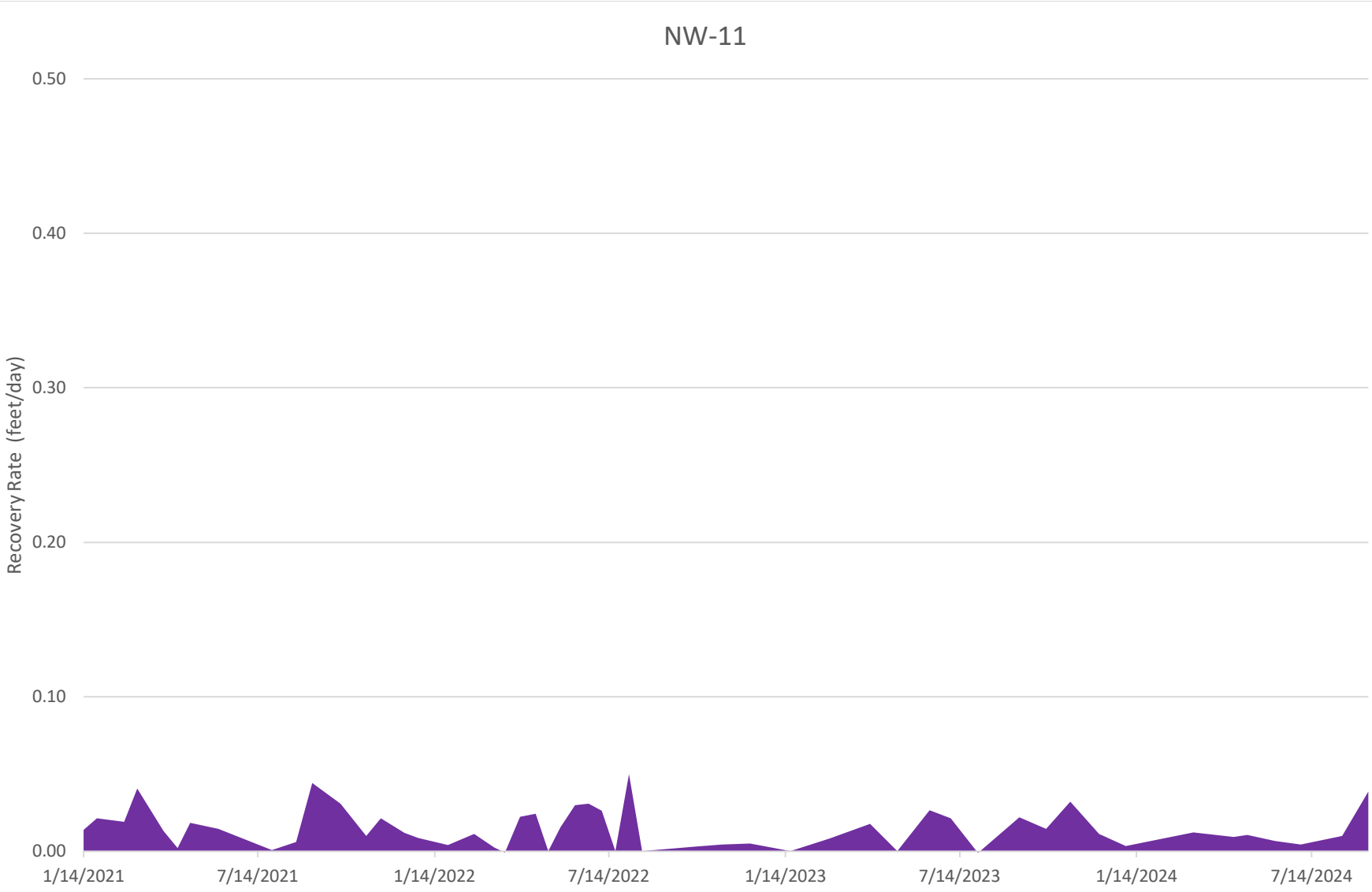
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.

January 24, 2025
Project No. 2201010

VIA EMAIL: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Progress Report – Fourth Quarter 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Starr:

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the fourth quarter of 2024.

Site Activities

During the fourth quarter of 2024, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q4 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. On October 9, 2024, dedicated airlift pumps were installed in wells NW-5 and NW-6. These pumps were subsequently used for recovery at these locations. DNAPL gauging and recovery amounts for the Q4 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55-gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On October 9, November 6, and December 4, 2024, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q4 are provided in Attachment A. DNAPL recovery rates are shown in Attachment B.

A total of approximately 121.0 gallons of DNAPL were recovered during the reporting period. Since the start of 2024, a total of 419.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2024 are summarized in Table 3.

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q1 2025:

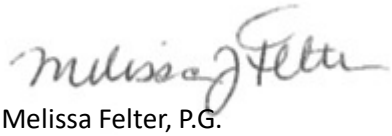
- Complete DNAPL gauging and removal in Q1 2025 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, while long-term trends and alternate recovery methods are evaluated.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q1 2025.

If you have any questions or require any further information, please contact Melissa Abt at Con Edison at 718.204.4331 or via electronic mail at abtm@coned.com.

Sincerely,

GEI Consultants, Inc., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager



Melissa Felter, P.G.
Project Manager

MO/MF:bdp
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\Monthly Reports\2024\Q4\PCW\report.C360099.PCW-QuarterlyReport_Q4.2024.docx

Attachments

Table 1. Q4 2024 DNAPL Summary
Table 2. 2024 Well Gauging Measurements
Table 3. 2024 DNAPL Recovery Totals
Figure 1. Site Location Map
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan
Attachment A Waste Disposal Manifests
Attachment B Recovery Rate Graphs

cc: Glen Moran/Jon Vogel/Michael Simpson/ Chadwich Hinckley/Stephanie Lessick, AVB
Marc Godick/Steve Grens, AKRF
Mihir Chokshi/Melissa Abt, Con Edison

Tables

Table 1. Q4 2024 DNAPL Summary

Table 2. 2024 Well Gauging Measurements

Table 3. 2024 DNAPL Recovery Totals

Table 1. Q4 2024 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)						Total DNAPL Removed (Gallons)
	10/9/2024	10/23/2024	11/6/2024	11/20/2024	12/4/2024 - 12/5/2024	12/18/2024	Q4 2024
NW-5	**7.60**	**8.00**	**6.60**	**7.00**	**6.00**	**7.00**	**56.0**
NW-6	**5.68**	**6.00**	**5.70**	**4.13**	**5.18**	**4.50**	**56.0**
NW-8	**0.72**	NA	0.35	NA	0.48	NA	**2.0**
NW-10	0.27	**1.00**	0.44	0.34	**1.50**	0.20	**5.0**
NW-11	0.40	NA	**0.75**	NA	0.42	NA	**2.0**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/25/2024	11:00 AM	6.39	NA	20.35	NA	
NW-3	4/25/2024	11:15 AM	6.62	NA	32.98	NA	
NW-4	4/25/2024	11:30 AM	8.85	NA	43.20	NA	
	5/22/2024	12:00 PM	8.38	NA	43.30	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**1/4/2024**	**10:30 AM**	**6.60**	**29.86**	**37.28**	**7.42**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	1/17/2024	NA	NA	NA	NA	NA	No more drum space, could not recover.
	1/31/2024	**9:55 AM**	**7.54**	**29.50**	**37.30**	**7.80**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	2/15/2024	12:00 PM	7.77	29.90	36.57	6.67	Pump malfunction, could not recover.
	2/28/2024	**11:35 AM**	**8.49**	**29.70**	**37.18**	**7.48**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**11:30 AM**	**7.01**	**29.48**	**37.38**	**7.90**	**Pre-pumping measurement ~7.5 gallons removed**
	3/27/2024	**12:00 PM**	**7.21**	**29.97**	**37.18**	**6.29**	**Pre-pumping measurement ~4 gallons removed**
	4/25/2024	**9:00 AM**	**8.20**	**28.75**	**37.25**	**8.50**	**Pre-pumping measurement ~7.5 gallons removed**
	5/9/2024	**11:00 AM**	**8.30**	**29.48**	**37.23**	**7.75**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**11:00 AM**	**6.81**	**29.51**	**37.31**	**7.80**	**Pre-pumping measurement ~5 gallons removed**
	6/5/2024	**10:00 AM**	**7.47**	**31.06**	**37.31**	**6.25**	**Pre-pumping measurement ~4.5 gallons removed**
	6/27/2024	**11:15 AM**	**8.52**	**29.61**	**37.21**	**7.60**	**Pre-pumping measurement ~5 gallons removed**
	7/3/2024	**11:25 AM**	**8.60**	**30.08**	**37.28**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	7/17/2024	**10:15 AM**	**6.75**	**29.66**	**37.31**	**7.65**	**Pre-pumping measurement ~5 gallons removed**
	7/30/2024	**10:45 AM**	**9.82**	**29.87**	**37.07**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	8/14/2024	**10:20 AM**	**7.30**	**30.65**	**37.13**	**6.48**	**Pre-pumping measurement ~4 gallons removed**
	8/28/2024	NA	NA	NA	NA	NA	Equipment malfunction, could not recover.
	9/11/2024	**12:15 PM**	**7.50**	**29.25**	**37.25**	**8.00**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**10:45 AM**	**8.20**	**29.39**	**37.29**	**7.90**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	10/9/2024	**12:00 PM**	**8.57**	**29.65**	**37.25**	**7.60**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	10/23/2024	**10:25 AM**	**9.31**	**29.39**	**37.39**	**8.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	11/6/2024	**11:30 AM**	**8.60**	**30.69**	**37.29**	**6.60**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	11/20/2024	**10:55 AM**	**7.87**	**30.29**	**37.29**	**7.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	12/4/2024	**10:15 AM**	**8.24**	**31.39**	**37.39**	**6.00**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	12/18/2024	**10:25 AM**	**8.95**	**30.39**	**37.39**	**7.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
NW-6	**1/4/2024**	**9:00 AM**	**9.01**	**31.60**	**36.80**	**5.20**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/17/2024	**10:10 AM**	**8.97**	**31.70**	**36.80**	**5.10**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/31/2024	**1:45 PM**	**8.00**	**33.76**	**36.80**	**5.34**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	2/14/2024	**12:55 PM**	**8.68**	**31.40**	**36.66**	**5.26**	**Pre-pumping measurement ~5 gallons removed**
	2/28/2024	**9:40 AM**	**9.40**	**31.66**	**36.66**	**5.00**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**8:45 AM**	**8.75**	**29.96**	**36.80**	**6.84**	**Pre-pumping measurement ~2 gallons removed (metal pipe blocked air line)**
	3/27/2024	**9:15 AM**	**9.32**	**30.78**	**36.80**	**6.02**	**Pre-pumping measurement ~5 gallons removed**
	4/24/2024	8:45 AM	8.54	31.15	36.80	5.65	Tubing malfunction, could not recover.
	5/9/2024	**9:00 AM**	**8.18**	**30.97**	**36.82**	**5.85**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**9:30 AM**	**8.65**	**31.31**	**36.80**	**5.49**	**Pre-pumping measurement ~4.5 gallons removed**
	6/5/2024	**9:00 AM**	**8.81**	**30.45**	**36.80**	**6.35**	**Pre-pumping measurement ~5.5 gallons removed**
	6/27/2024	**9:15 AM**	**9.00**	**31.24**	**36.80**	**5.56**	**Pre-pumping measurement ~4.5 gallons removed**
	7/3/2024	**9:15 AM**	**8.80**	**31.34**	**36.80**	**5.46**	**Pre-pumping measurement ~4.5 gallons removed**
	7/17/2024	**8:30 AM**	**8.85**	**31.74**	**36.80**	**5.06**	**Pre-pumping measurement ~4 gallons removed**
	7/30/2024	**9:00 AM**	**8.12**	**30.20**	**36.80**	**6.60**	**Pre-pumping measurement ~5 gallons removed**
	8/14/2024	**8:40 AM**	**8.84**	**30.04**	**36.80**	**6.76**	**Pre-pumping measurement ~5 gallons removed**
	8/28/2024	9:00 AM	8.68	31.28	36.80	5.52	Equipment malfunction, could not recover.
	9/11/2024	**11:15 AM**	**9.80**	**30.00**	**36.80**	**6.80**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**9:45 AM**	**8.50**	**31.79**	**36.80**	**5.01**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	10/9/2024	**11:15 AM**	**9.32**	**31.12**	**36.80**	**5.68**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	10/23/2024	**9:45 AM**	**9.21**	**31.12**	**37.12**	**6.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	11/6/2024	**11:00 AM**	**9.60**	**31.10**	**36.80**	**5.70**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	11/20/2024	**10:25 AM**	**9.98**	**32.67**	**36.80**	**4.13**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	12/4/2024	**9:00 AM**	**9.59**	**31.62**	**36.80**	**5.18**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	12/18/2024	**9:25 AM**	**9.38**	**32.30**	**36.80**	**4.50**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-7	4/25/2024	10:35 AM	9.60	NA	22.87	NA	
NW-8	**1/3/2024**	**10:00 AM**	**10.36**	**35.35**	**36.15**	**0.80**	**Pre-pumping measurement ~2 gallons removed**
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**9:15 AM**	**9.98**	**34.62**	**36.22**	**1.60**	**Pre-pumping measurement ~4 gallons removed**
	4/24/2024	**12:30 PM**	**9.60**	**34.98**	**36.23**	**1.25**	**Pre-pumping measurement ~3 gallons removed**
	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
	7/3/2024	10:15 AM	10.30	35.90	36.26	0.42	
	8/15/2024	**10:25 AM**	**10.77**	**35.21**	**36.21**	**1.00**	**Pre-pumping measurement ~2.5 gallons removed**
	9/11/2024	9:00 AM	10.75	35.80	36.19	0.39	
	10/9/2024	**9:15 AM**	**10.52**	**35.53**	**36.25**	**0.72**	**Pre-pumping measurement ~2 gallons removed**
	11/6/2024	9:00 AM	11.10	35.85	36.20	0.35	
	12/5/2024	10:25 AM	10.27	35.72	36.20	0.48	
NW-9	1/3/2024	10:15 AM	10.40	33.06	33.36	0.30	
	4/24/2024	12:45 PM	9.77	33.08	33.33	0.25	
NW-10	**1/3/2024**	**11:00 AM**	**10.46**	**33.07**	**33.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	1/17/2024	**9:10 AM**	**10.40**	**32.10**	**33.60**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	1/31/2024	8:35 AM	10.82	32.82	33.62	0.70	Pump malfunction, could not recover.
	2/14/2024	**9:30 AM**	**10.33**	**32.99**	**33.74**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	2/28/2024	**10:20 AM**	**11.05**	**32.71**	**33.73**	**1.02**	**Pre-pumping measurement ~2 gallons removed**
	3/13/2024	**10:20 AM**	**10.22**	**31.67**	**33.57**	**1.90**	**Pre-pumping measurement ~4.5 gallons removed**
	3/27/2024	**11:10 AM**	**9.81**	**32.01**	**33.51**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	**1:05 PM**	**9.50**	**31.55**	**33.60**	**2.05**	**Pre-pumping measurement ~6 gallons removed**
	5/9/2024	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement ~2 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement ~2 gallons removed**
	7/3/2024	10:25 AM	10.46	33.28	33.64	0.36	
	7/17/2024	**9:45 AM**	**10.33**	**32.84**	**33.39**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	7/30/2024	**12:50 PM**	**10.57**	**32.87**	**33.38**	**0.51**	**Pre-pumping measurement ~1.5 gallons removed**
	8/14/2024	11:15 AM	9.74	33.19	33.61	0.42	
	8/28/2024	**11:00 AM**	**9.81**	**32.58**	**33.58**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	9:20 AM	10.60	33.09	33.40	0.31	
	9/25/2024	**9:15 AM**	**9.85**	**32.95**	**33.60**	**0.65**	**Pre-pumping measurement ~1.5 gallons removed**
	10/9/2024	9:00 AM	10.58	33.32	33.59	0.27	
	10/23/2024	**12:10 PM**	**10.86**	**32.60**	**33.60**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	11/6/2024	9:10 AM	11.20	33.08	33.52	0.44	
	11/20/2024	9:50 AM	10.53	33.17	33.51	0.34	
	12/5/2024	**9:45 AM**	**10.92**	**32.03**	**33.53**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	12/18/2024	11:40 AM	10.92	33.33	33.53	0.20	
NW-10S	4/24/2024	1:15 PM	10.04	NA	17.85	NA	

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-11	1/3/2024	9:40 AM	3.80	22.38	22.83	0.45	
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**3.75**	**21.51**	**22.81**	**1.30**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	3.90	22.44	22.84	0.40	
	5/8/2024	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
	7/3/2024	10:35 AM	4.50	22.37	22.69	0.32	
	8/15/2024	**10:00 AM**	**3.94**	**21.97**	**22.72**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	**9:45 AM**	**4.38**	**21.80**	**22.85**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
	10/9/2024	10:00 AM	4.92	22.46	22.86	0.40	
	11/6/2024	**9:20 AM**	**5.30**	**22.14**	**22.89**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	12/5/2024	11:05 AM	4.74	22.43	22.85	0.42	
NW-12	4/25/2024	10:20 AM	3.91	NA	21.11	NA	

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

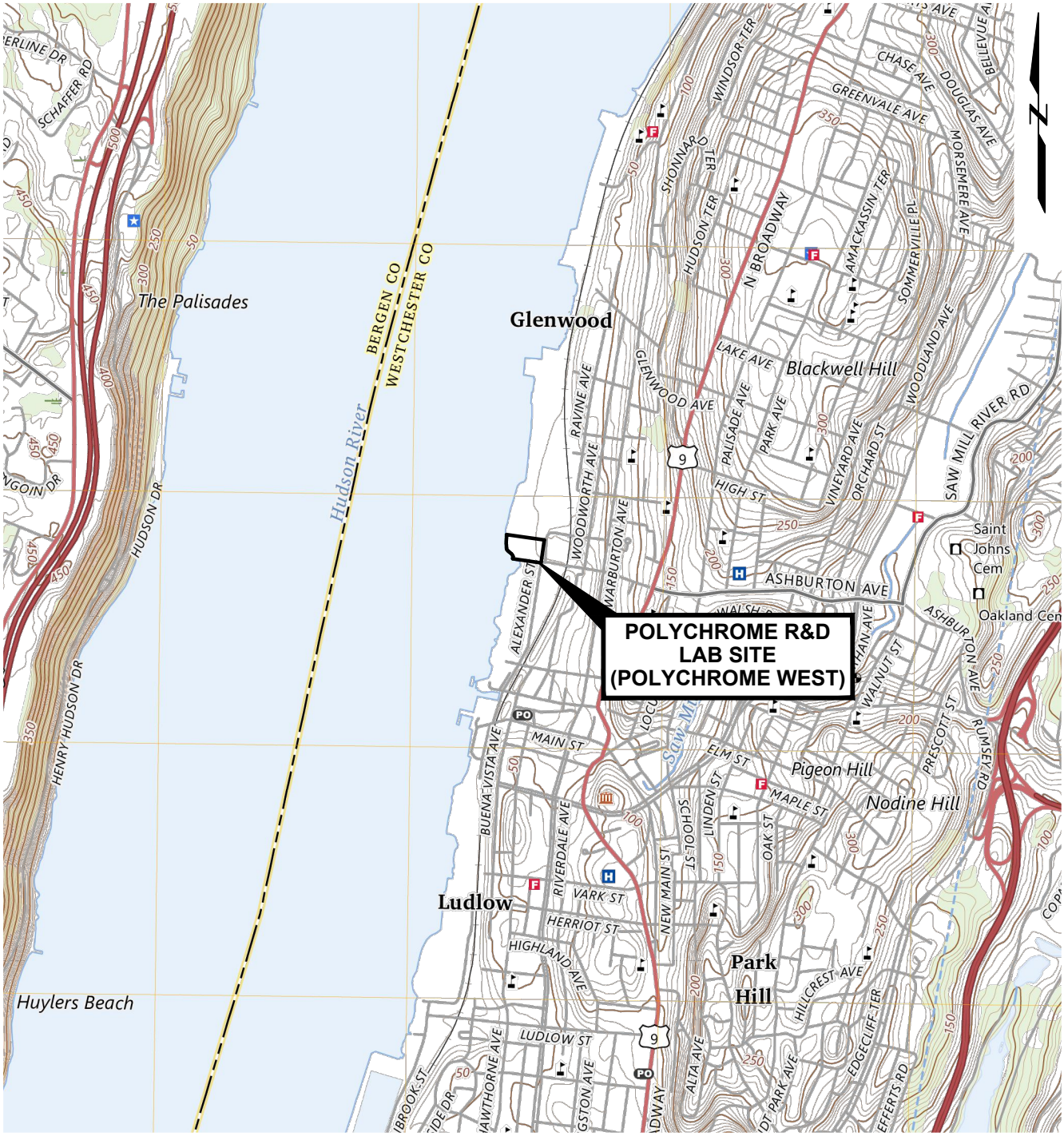
	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-5	**40.0**	**5.0**	**11.5**	**7.5**	**10.0**	**9.5**	**13.0**	**4.0**	**20.0**	**20.0**	**18.0**	**18.0**	**176.50**
NW-6	**45.0**	**10.0**	**7.0**	NA	**9.5**	**10.0**	**13.5**	**5.0**	**20.0**	**20.0**	**18.0**	**18.0**	**176.00**
NW-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-8	**2.0**	NA	**4.0**	**3.0**	NA	**2.5**	NA	**2.5**	NA	**2.0**	NA	NA	**16.00**
NW-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-10	**4.5**	**4.0**	**7.5**	**6.0**	**2.0**	**4.0**	**3.0**	**2.0**	**1.5**	**2.0**	NA	**3.0**	**39.50**
NW-11	NA	NA	**3.0**	NA	**1.5**	NA	NA	**2.0**	**2.5**	NA	**2.0**	NA	**11.00**
NW-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
Event Total	**91.50**	**19.00**	**33.00**	**16.50**	**23.00**	**26.00**	**29.50**	**15.50**	**44.00**	**44.00**	**38.00**	**39.00**	**419.00**
Date Generated	1/3/2024, 1/4/2024, 1/17/2024, 1/31/2024	2/14/2024, 2/15/2024, 2/28/2024	3/13/2024, 3/14/2024, 3/27/2024	4/24/2024, 4/25/2024	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024	7/3/2024, 7/17/2024, 7/30/2024	8/14/2024, 8/15/2024, 8/28/2024	9/11/2024, 9/25/2024	10/9/2024, 10/23/2024	11/6/2024, 11/20/2024	12/4/2024, 12/5/2024, 12/18/2024	
Off-Site Disposal Date	1/3/2024, 1/31/2024	2/28/2024	3/27/2024	4/24/2024, 5/9/2024	5/9/2024, 6/6/2024	6/6/2024, 7/3/2024	7/3/2024, 8/14/2024	8/14/2024, 9/11/2024	9/11/2024, 10/9/2024	10/9/2024, 11/6/2024	11/6/2024, 12/4/2024	12/4/2024	
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

Figure 1. Site Location Map

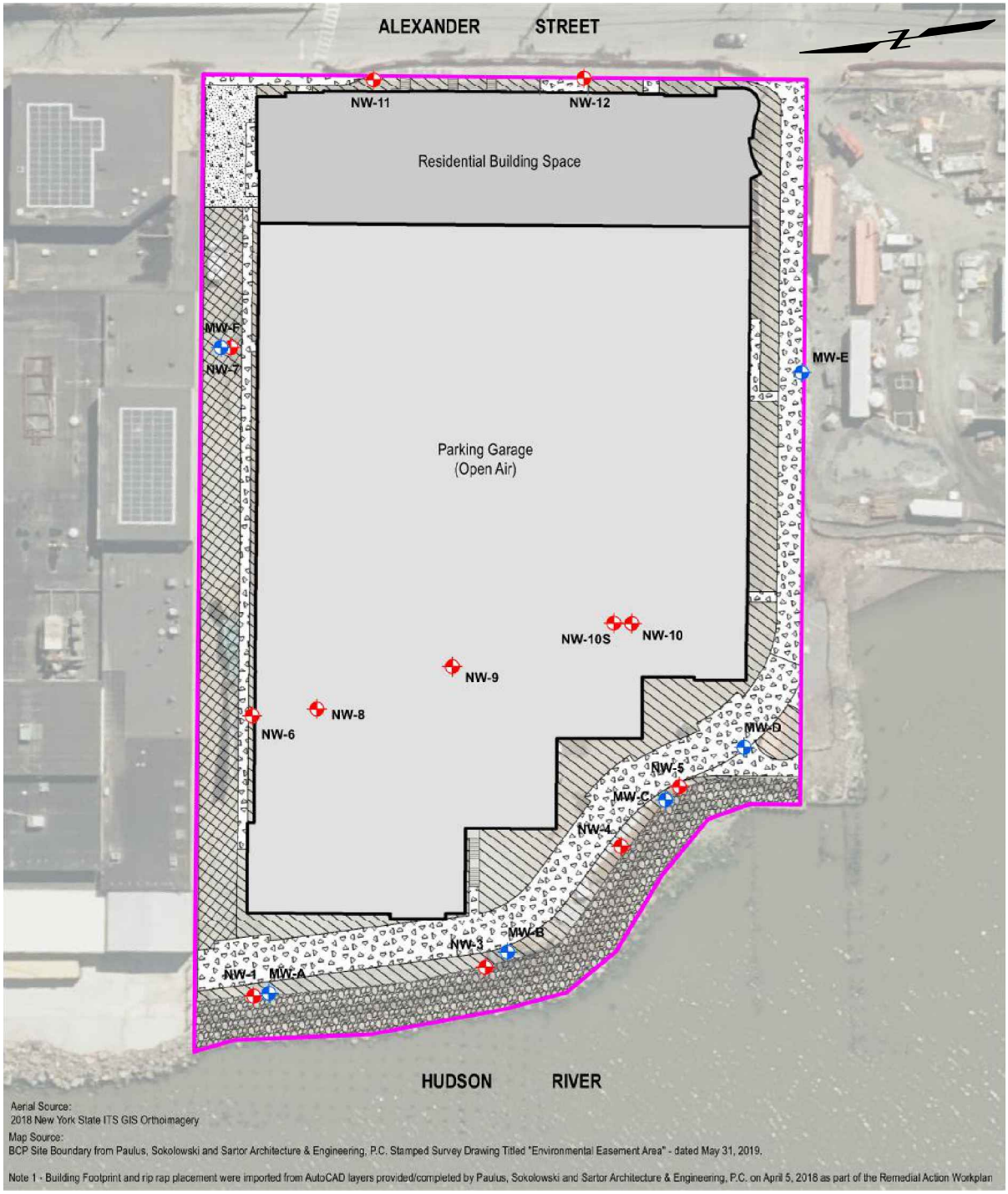
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan



SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	January 2025 Fig. 1



LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 80 160

SCALE: 1" = 80'

Quarterly Progress Report
Polychrome West (PCW)
Yonkers, New York

Consolidated Edison Company of New York, Inc.
Long Island City, New York

GEI Consultants

NAPL RECOVERY AND GROUNDWATER MONITORING WELLS

Project 2201010

January 2025 Fig. 2

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023

Attachment A Waste Disposal Manifests

2826387

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000254706
2. Page 1 of: 1
3. Emergency Response Phone: 8606089717
4. Manifest Tracking Number: 020026248 FLE

GENERATOR

5. Generator's Name and Mailing Address:
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address):
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.
U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004

U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	55	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	2	DM	110	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2826387

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mike Holmes 56627
Signature:
Month: 12 Day: 4 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chris Hall
Signature:
Month: 12 Day: 4 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Morias
Signature:
Month: 12 Day: 4 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	020028353 FLE

GENERATOR

5. Generator's Name and Mailing Address: Consolidated Edison of NY Inc-Att: 31-01 20th Ave- Bldg 136 2nd fl, Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address): Consolidated Edison of NY Inc, 80- 94 Alexander St, Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032
Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	100	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s. (liquid), 9, PG-III	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134 - Used PPE and sampling equipment
(2)ERG#171:2230800135 - Purge NAPL and Groundwater
(3)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Norberto Alvarez — Signature — Month: 11 Day: 6 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella — Signature — Month: 11 Day: 6 Year: 24
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — Received Pending Manifest Review/Quality Control Data — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Murray — Signature — Month: 11 Day: 7 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	8606089717	020040038 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	55	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	3	DM	165	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2749061 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Norberto Alvarez — Signature — Month 10 Day 9 Year 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris C. Fell — Signature — Month 10 Day 9 Year 24

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

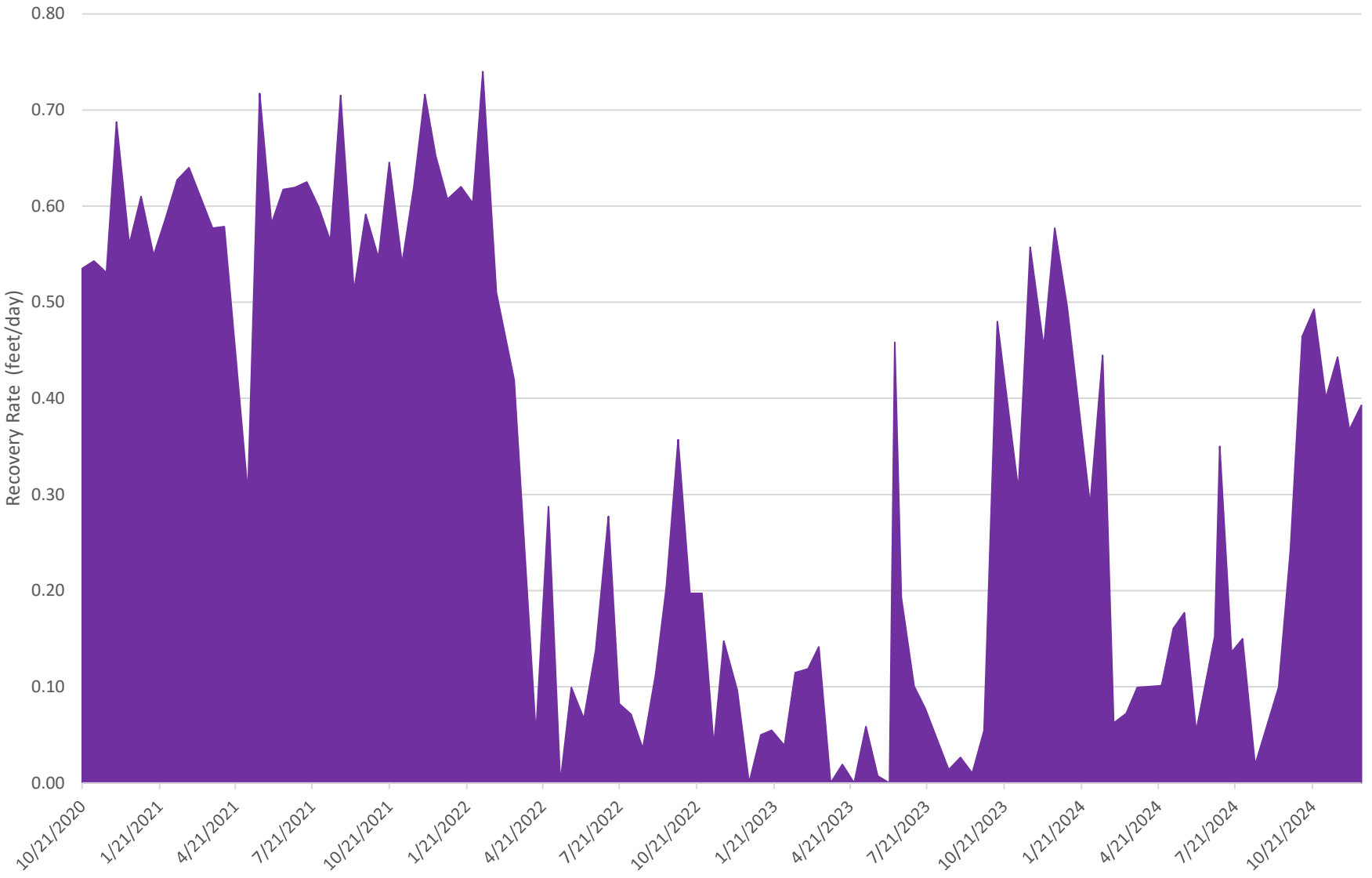
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Morias — Signature — Month 10 Day 11 Year 24

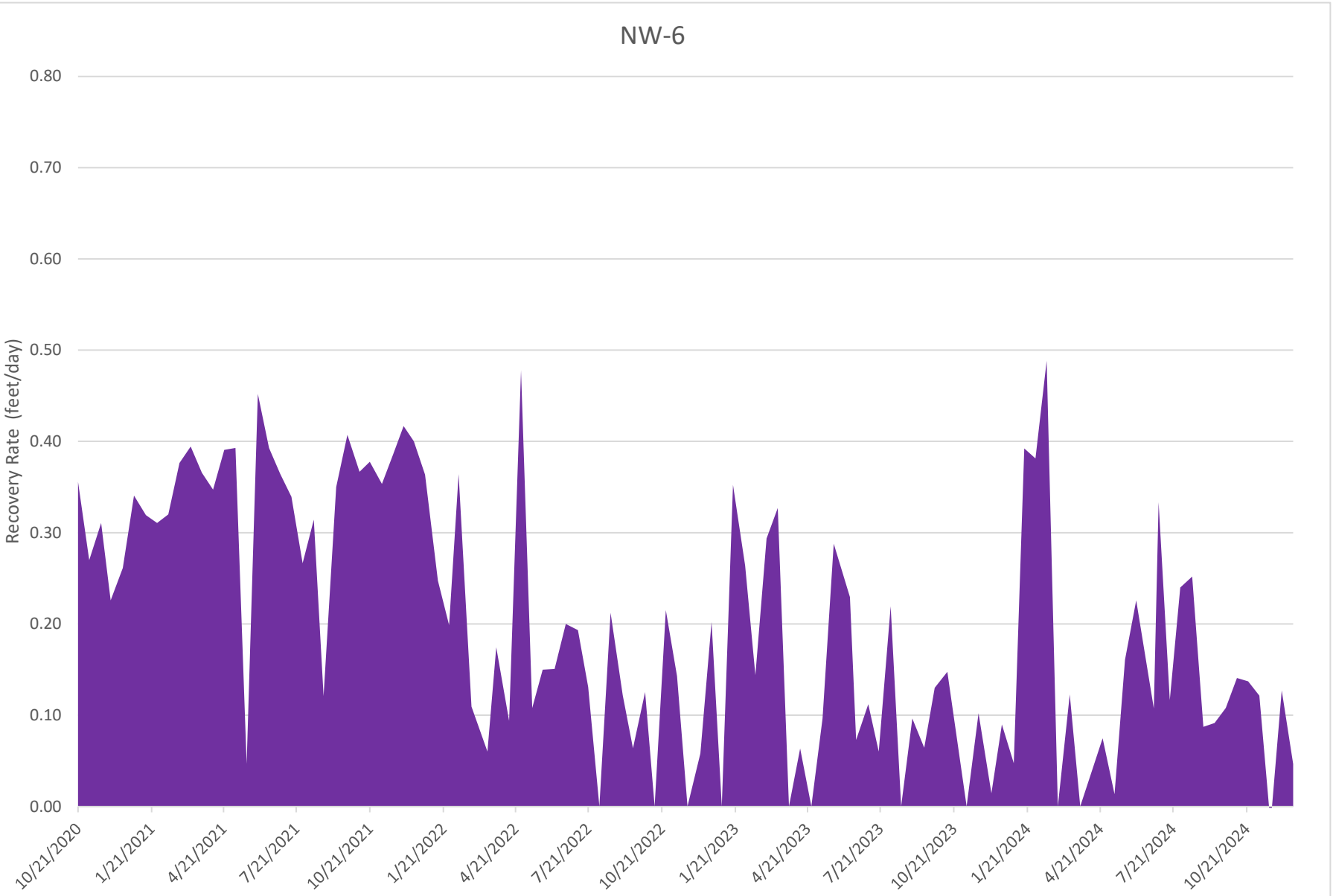
EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

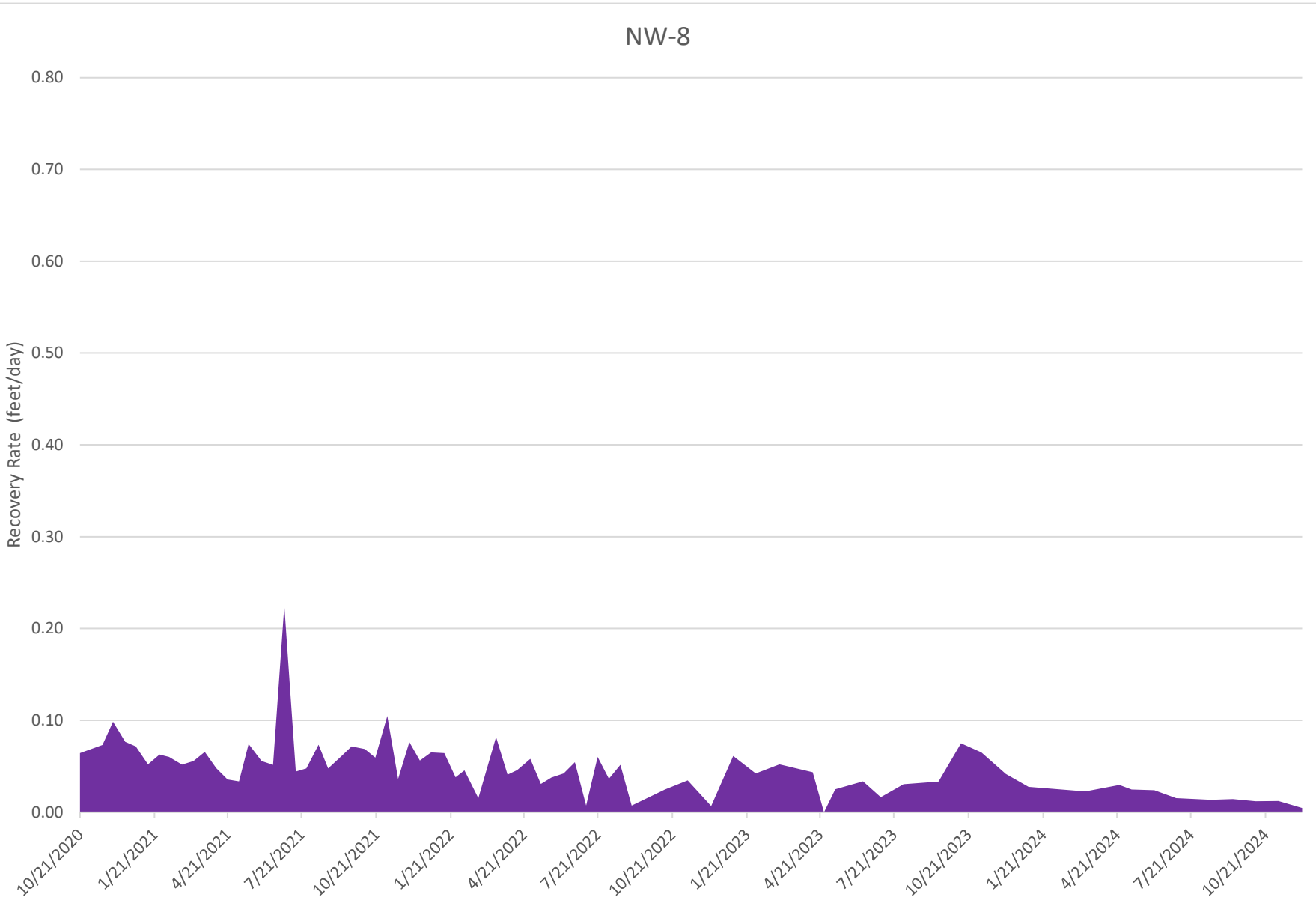
Attachment B Recovery Rate Graphs



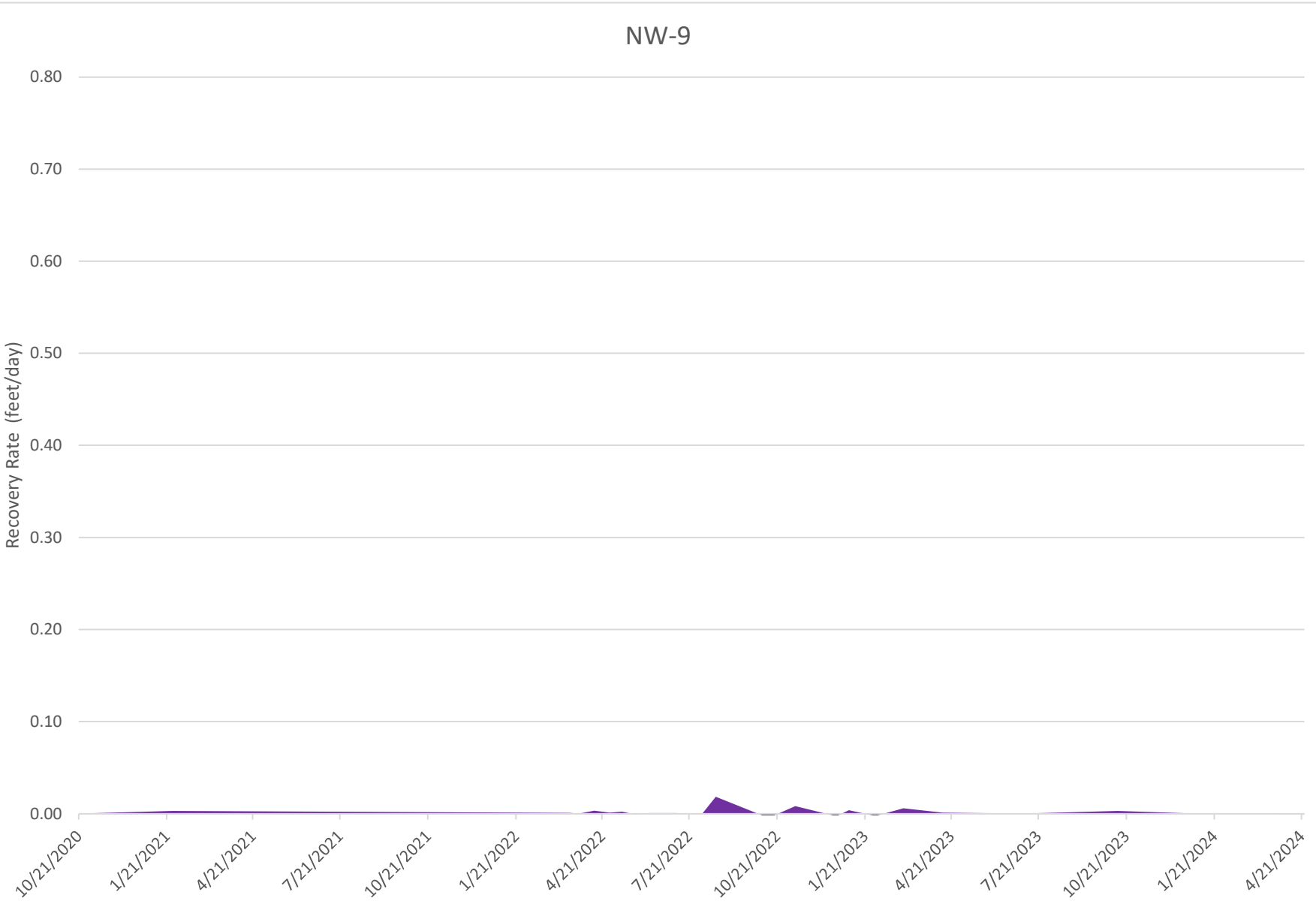
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



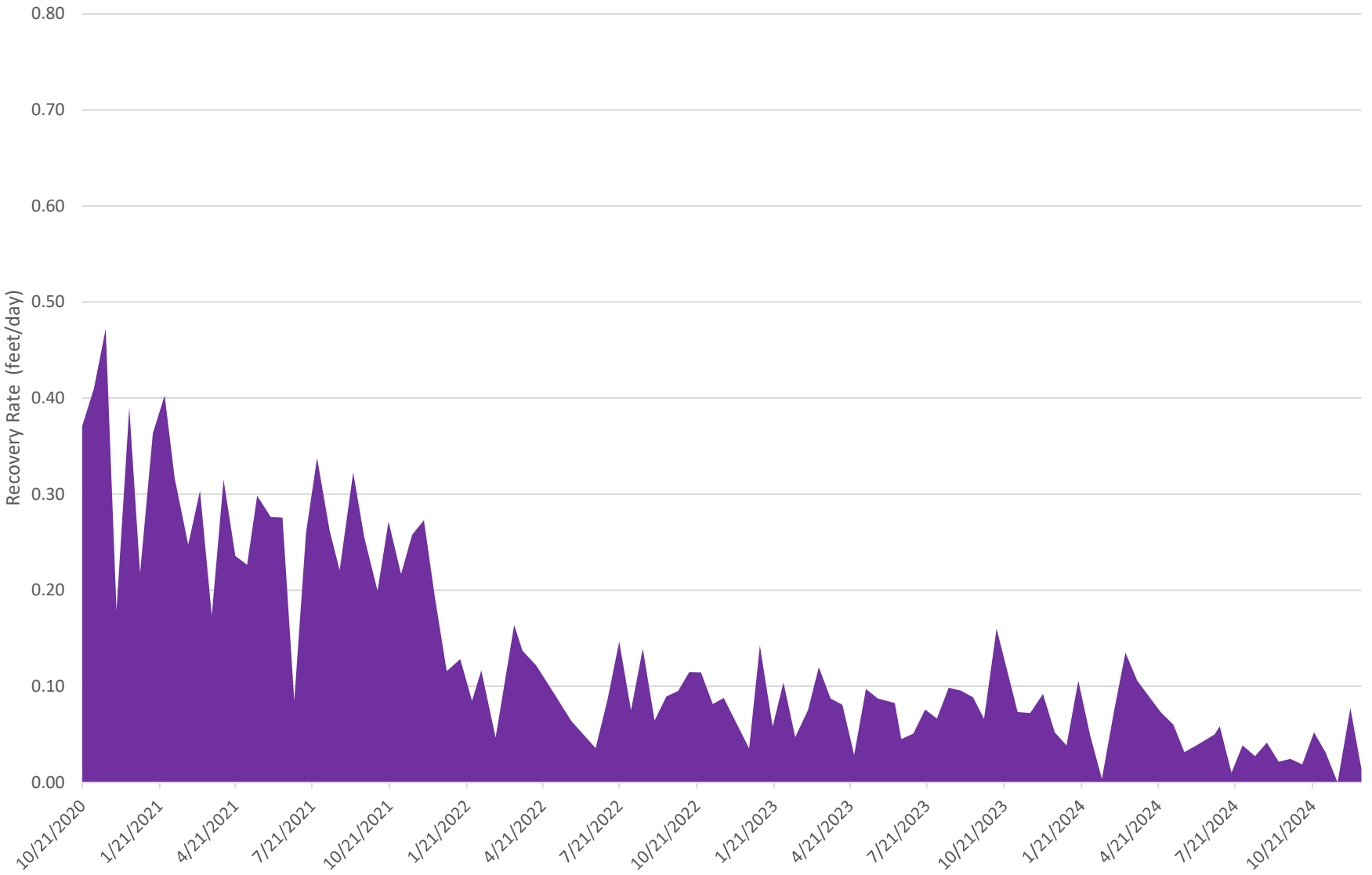
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



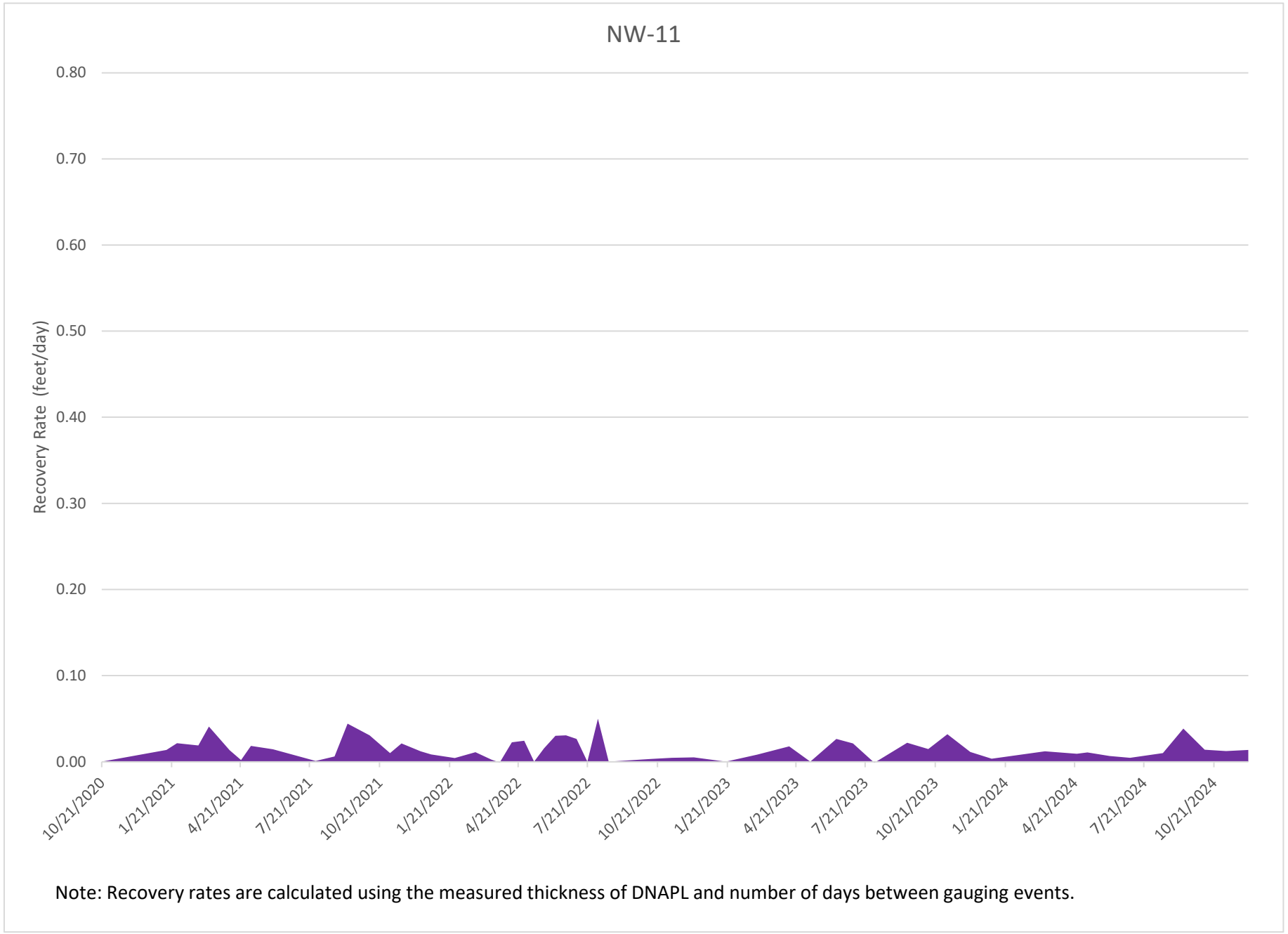
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.

May 13, 2025
Project No. 2201010

VIA EMAIL: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Progress Report – First Quarter 2025
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Starr:

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the first quarter of 2025.

Site Activities

During the first quarter of 2025, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q1 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. DNAPL gauging and recovery amounts for the Q4 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55 gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On January 15 and February 26, 2025, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q4 are provided in Attachment A. DNAPL recovery rates are shown in Attachment B.

A total of approximately 117.0 gallons of DNAPL were recovered during the reporting period. Since the start of 2025, a total of 117.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2025 are summarized in Table 3.

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q2 2025:

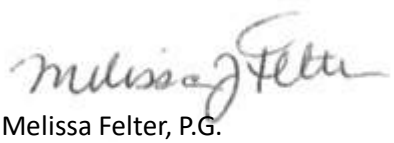
- Complete DNAPL gauging and removal in Q2 2025 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, while long-term trends and alternate recovery methods are evaluated.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q2 2025.

If you have any questions or require any further information, please contact Matthew Levinson at Con Edison at 646.385.1691 or via electronic mail at levinsonm@coned.com.

Sincerely,

GEI CONSULTANTS, INC., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager



Melissa Felter, P.G.
Project Manager

MO/MF:bdp
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\Monthly Reports\2025\Q1\PCW\report.C360099.PCW-QuarterlyReport_Q1.2025.docx

Attachments

Table 1. Q1 2025 DNAPL Summary
Table 2. 2025 Well Gauging Measurements
Table 3. 2025 DNAPL Recovery Totals
Figure 1. Site Location Map
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan
Attachment A Waste Disposal Manifests
Attachment B Recovery Rate Graphs

cc: Glen Moran/Jon Vogel/Michael Simpson/ Chadwich Hinckley/Stephanie Lessick, AVB
Marc Godick/Steve Grens, AKRF
Mihir Chokshi/Matthew Levinson, Con Edison

Tables

Table 1. Q1 2025 DNAPL Summary

Table 2. 2025 Well Gauging Measurements

Table 3. 2025 DNAPL Recovery Totals

Table 1. Q1 2025 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)							Total DNAPL Removed (Gallons)
	1/2/2025	1/16/2025	1/29/2025	2/12/2025	2/26/2025	3/12/2025	3/26/2025	Q1 2025
NW-5	**6.15**	**6.00**	**7.00**	**6.75**	**7.70**	**6.50**	**7.50**	**38.0**
NW-6	**4.50**	**6.00**	**6.00**	**4.64**	**4.10**	**5.90**	**6.13**	**70.0**
NW-8	**1.10**	NA	NA	NA	NA	0.45	NA	**2.5**
NW-10	0.40	**1.00**	0.20	0.48	0.35	**0.90**	0.20	**4.5**
NW-11	0.47	NA	NA	0.33	NA	**0.85**	NA	**2.0**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2025 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1							
NW-3							
NW-4							
NW-5	**1/2/2025**	**8:30 AM**	**8.94**	**31.05**	**37.20**	**6.15**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	1/16/2025	**10:35 AM**	**9.25**	**31.80**	**37.80**	**6.00**	**Pre-pumping measurement ~6 gallons removed (PVC airlift pump)**
	1/29/2025	**10:25 AM**	**NA**	**30.80**	**37.80**	**7.00**	**Pre-pumping measurement ~6 gallons removed (PVC airlift pump)**
	2/12/2025	**11:00 AM**	**7.50**	**30.80**	**37.55**	**6.75**	**Pre-pumping measurement ~5 gallons removed (PVC airlift pump)**
	2/26/2025	**10:30 AM**	**6.60**	**29.85**	**37.55**	**7.70**	**Pre-pumping measurement ~4 gallons removed (PVC airlift pump)**
	3/12/2025	**11:00 AM**	**9.80**	**31.00**	**37.50**	**6.50**	**Pre-pumping measurement ~4 gallons removed (PVC airlift pump)**
	3/26/2025	**10:00 AM**	**8.25**	**29.83**	**37.33**	**7.50**	**Pre-pumping measurement ~5 gallons removed (PVC airlift pump)**
NW-6	**1/2/2025**	**9:40 AM**	**9.65**	**32.30**	**36.80**	**4.50**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	1/16/2025	**9:45 AM**	**11.05**	**30.80**	**36.80**	**6.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	1/29/2025	**9:50 AM**	**NA**	**31.80**	**36.80**	**6.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	2/12/2025	**12:00 PM**	**9.50**	**32.16**	**36.80**	**4.64**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	2/26/2025	**9:30 AM**	**10.00**	**32.70**	**36.80**	**4.10**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	3/12/2025	**10:30 AM**	**9.70**	**30.90**	**36.80**	**5.90**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	3/26/2025	**9:15 AM**	**8.85**	**30.67**	**36.80**	**6.13**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
NW-7							
NW-8	**1/2/2025**	**11:00 AM**	**11.05**	**35.11**	**36.21**	**1.10**	**Pre-pumping measurement ~2.5 gallons removed**
	2/12/2025	NA	NA	NA	NA	NA	Well obstructed
	3/12/2025	9:15 AM	8.60	35.80	36.25	0.45	
NW-9							
NW-10	1/2/2025	10:40 AM	11.20	33.15	33.55	0.40	
	1/16/2025	**11:30 AM**	**11.19**	**32.50**	**33.50**	**1.00**	**Pre-pumping measurement ~2.5 gallons removed**
	1/29/2025	9:35 AM	11.13	33.25	33.77	0.20	
	2/12/2025	10:00 AM	10.37	32.96	33.44	0.48	
	2/26/2025	8:30 AM	10.70	33.54	33.89	0.35	
	3/12/2025	**8:45 AM**	**6.78**	**32.40**	**33.30**	**0.90**	**Pre-pumping measurement ~2 gallons removed**
	3/26/2025	8:55 AM	10.48	33.38	33.58	0.20	
NW-10S							
NW-11	1/2/2025	10:20 AM	4.50	22.38	22.85	0.47	
	2/12/2025	10:30 AM	4.02	22.49	22.82	0.33	
	3/12/2025	**9:25 AM**	**5.00**	**21.90**	**22.75**	**0.85**	**Pre-pumping measurement ~2 gallons removed**
NW-12							

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2025 DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

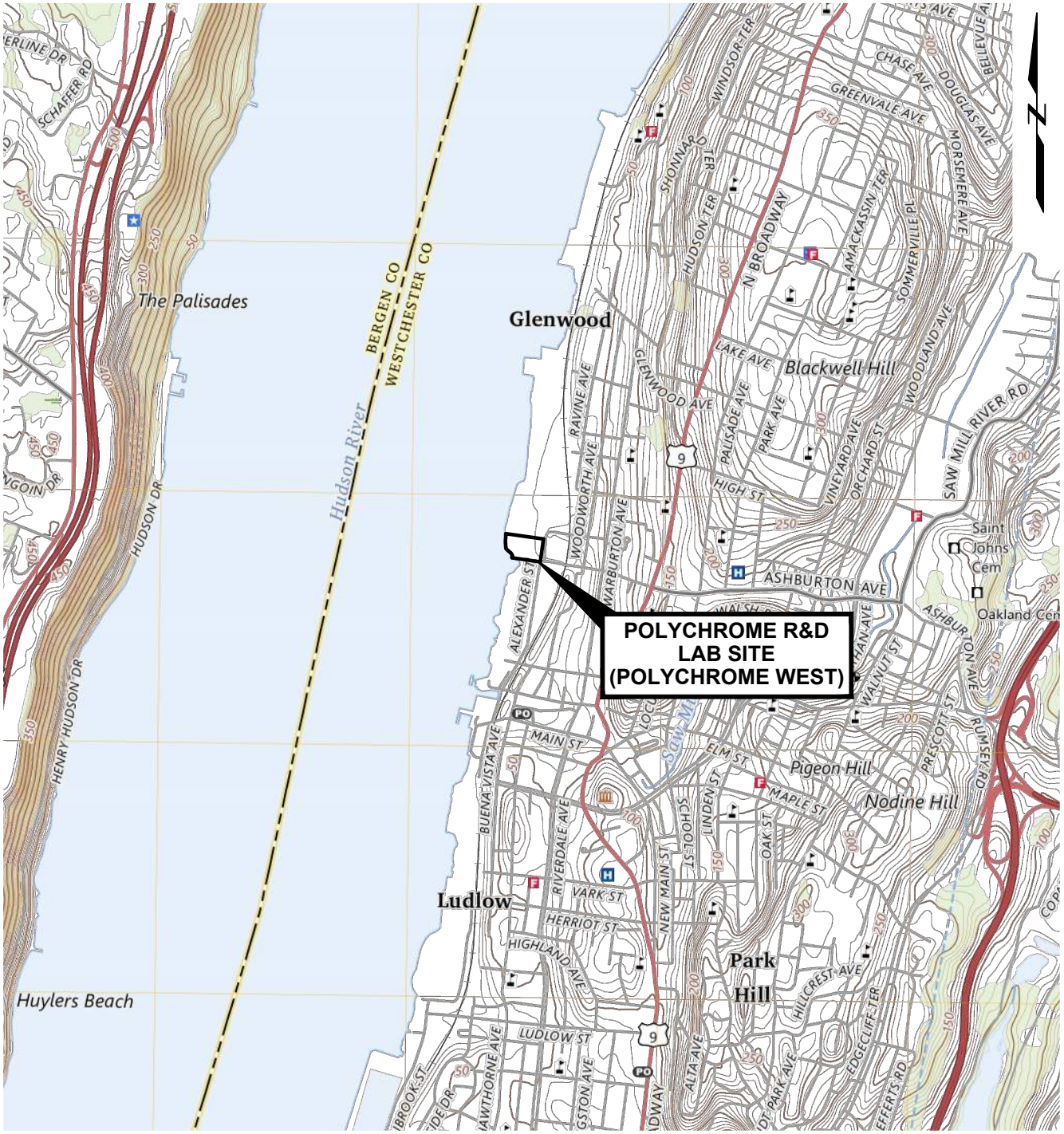
	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-25**	**Feb-25**	**Mar-25**	**Apr-25**	**May-25**	**Jun-25**	**Jul-25**	**Aug-25**	**Sep-25**	**Oct-25**	**Nov-25**	**Dec-25**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA										**0.00**
NW-3	NA	NA	NA										**0.00**
NW-4	NA	NA	NA										**0.00**
NW-5	**20.0**	**9.0**	**9.0**										**38.00**
NW-6	**30.0**	**20.0**	**20.0**										**70.00**
NW-7	NA	NA	NA										**0.00**
NW-8	**2.5**	NA	NA										**2.50**
NW-9	NA	NA	NA										**0.00**
NW-10	**2.5**	NA	**2.0**										**4.50**
NW-11	NA	NA	**2.0**										**2.00**
NW-12	NA	NA	NA										**0.00**
Event Total	**55.00**	**29.00**	**33.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**117.00**
Date Generated	1/2/2025, 1/16/2025, 1/29/2025	2/12/2025, 2/26/2025	3/12/2025, 3/26/2025										
Off-Site Disposal Date	1/16/2025, 2/26/2025	2/26/2025	4/9/2025										
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

Figure 1. Site Location Map

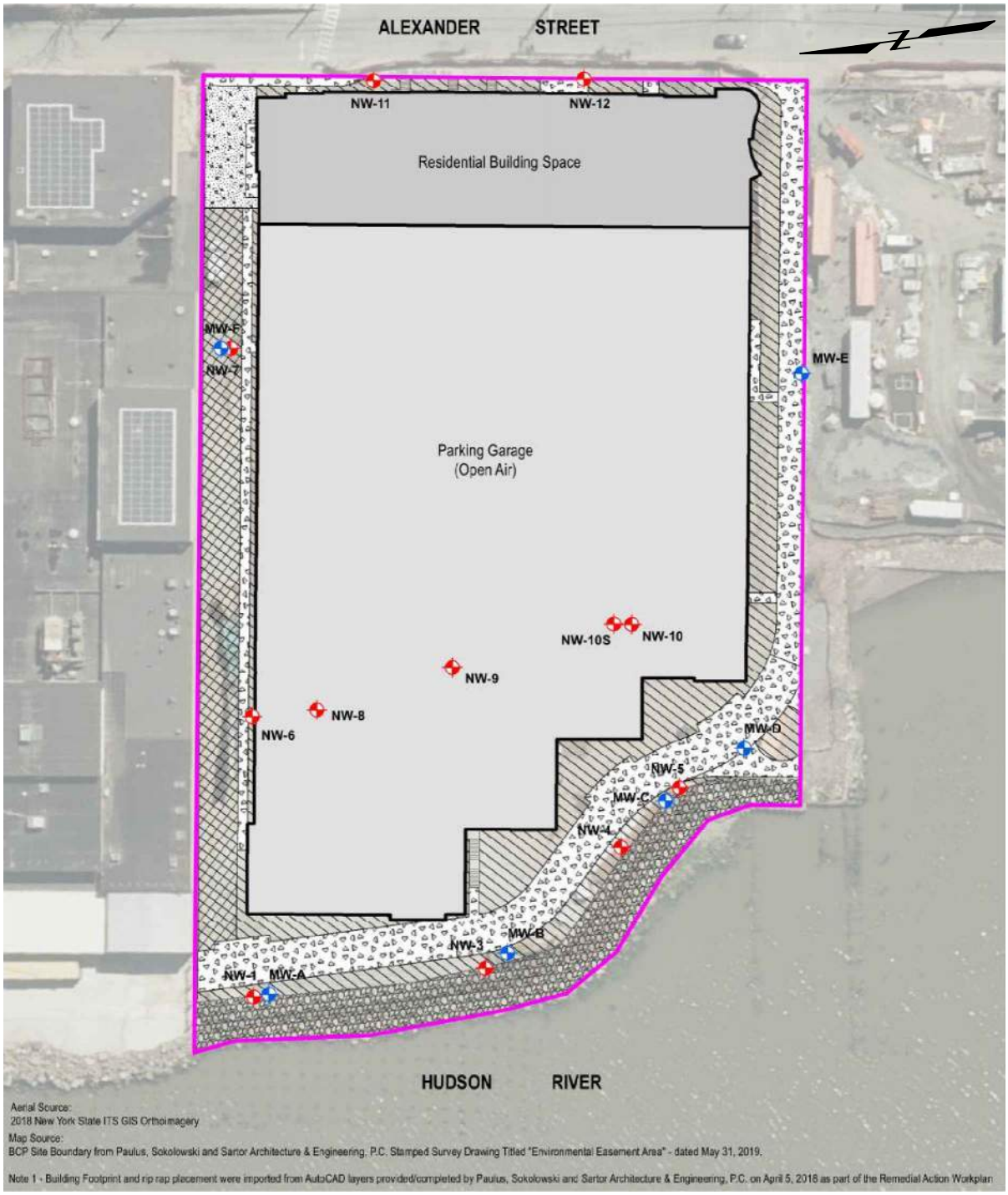
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan



SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	May 2025 Fig. 1



Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	NAPL RECOVERY AND GROUNDWATER MONITORING WELLS
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	May 2025 Fig. 2

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Attachment A Waste Disposal Manifests

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	8606089717	020044288 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St.
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	3	DM	300	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2876052 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mike Holmes 86627 — Signature: [signature] — Month: 1 — Day: 16 — Year: 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella — Signature: [signature] — Month: 1 — Day: 16 — Year: 25
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month: 1 — Day: 16 — Year: 25

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	020056532 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III, RQ(D018)	2	DM	200	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III, RQ(D018)	2	DM	110	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
TRK#107 LIC# AW 979K (NJ)
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz.
(2) ERG#171: 2230800135 - Purged NAPL and Groundwater-Haz.
Order#: 2999846 - Note:

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard A Cosme — Signature: [signature] — Month 2 Day 26 Year 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Adam Mella — Signature: [signature] — Month 2 Day 26 Year 25

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

Received, Pending Final Review/Quality Control Data

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

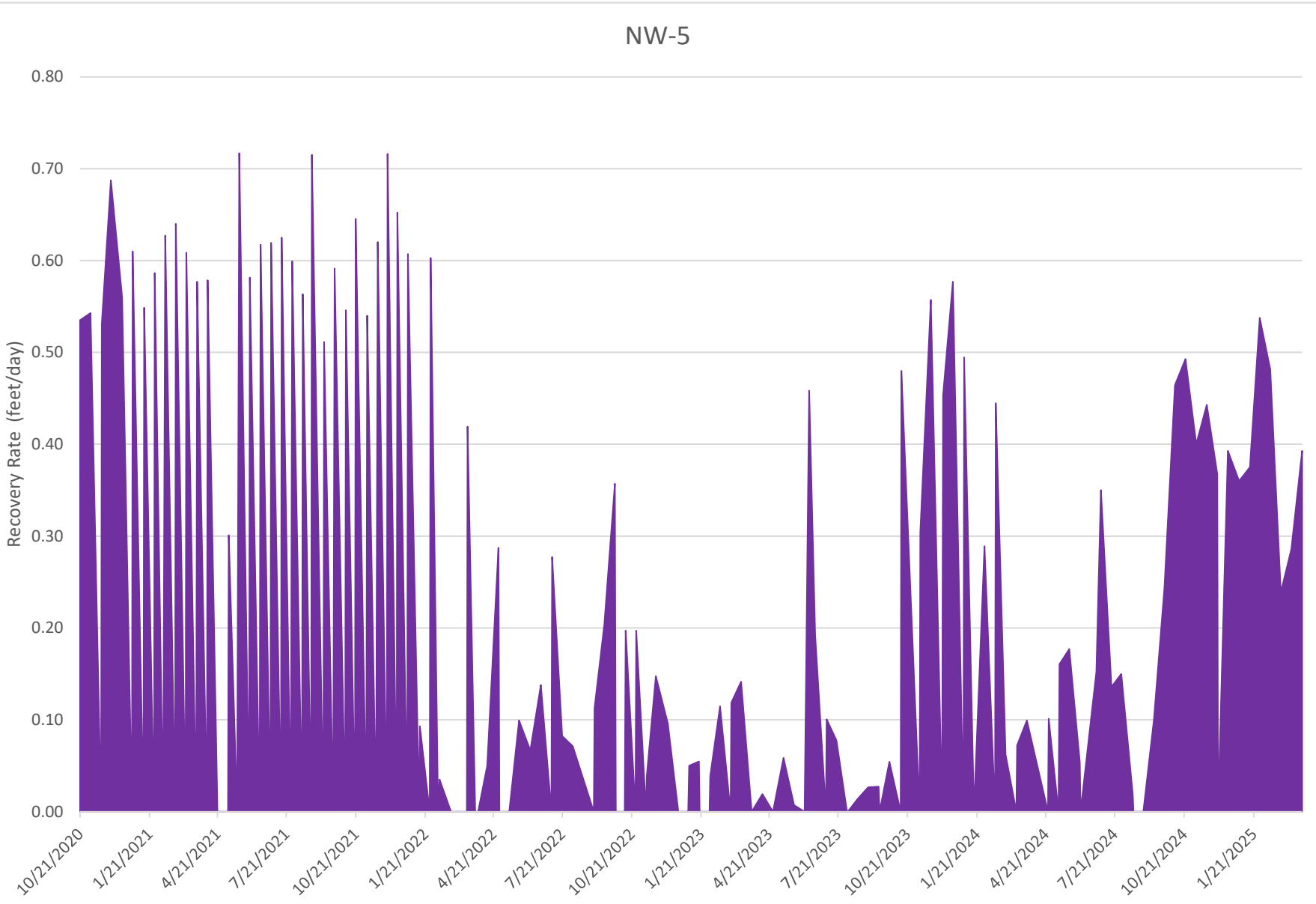
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month 2 Day 26 Year 25

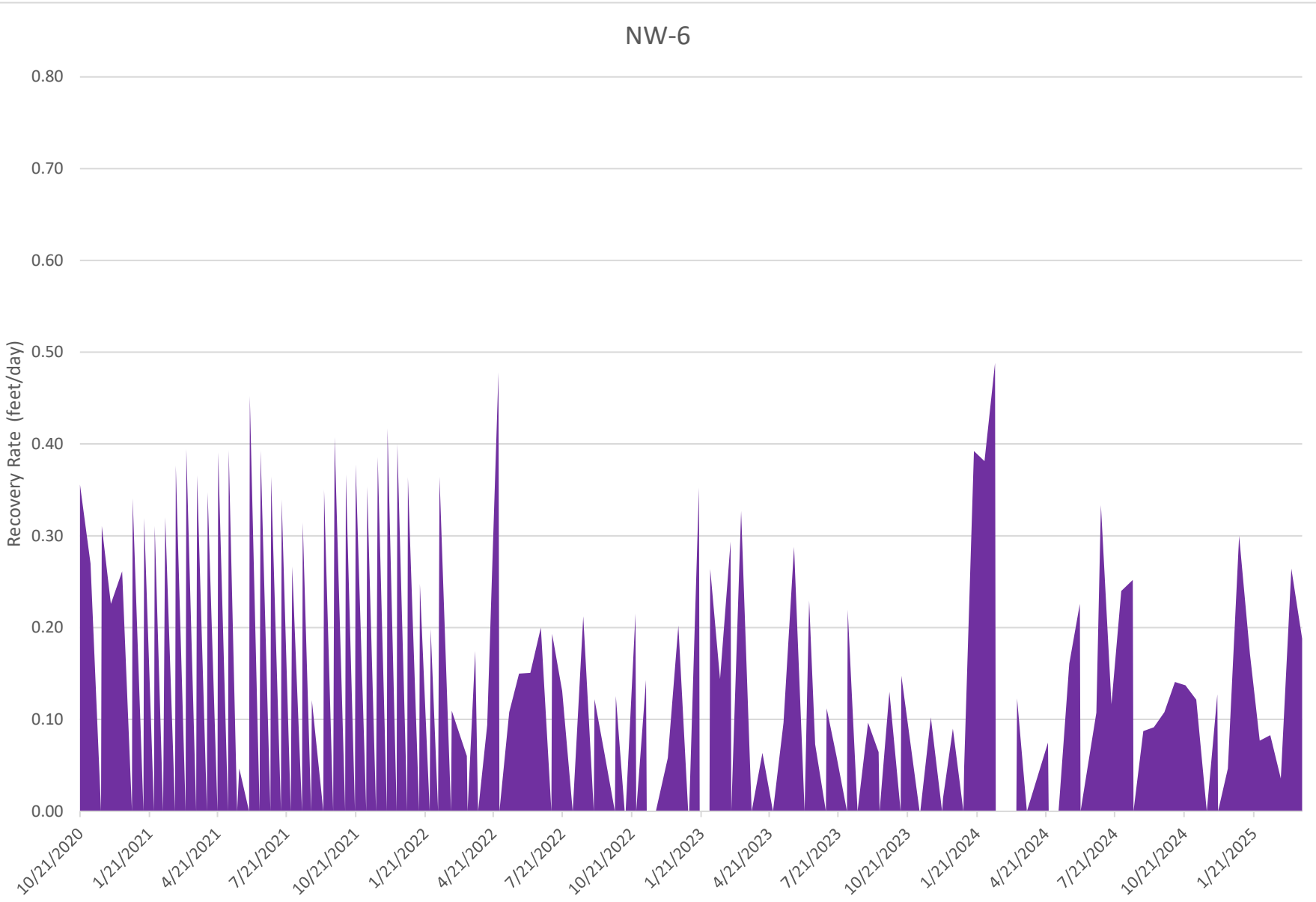
EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

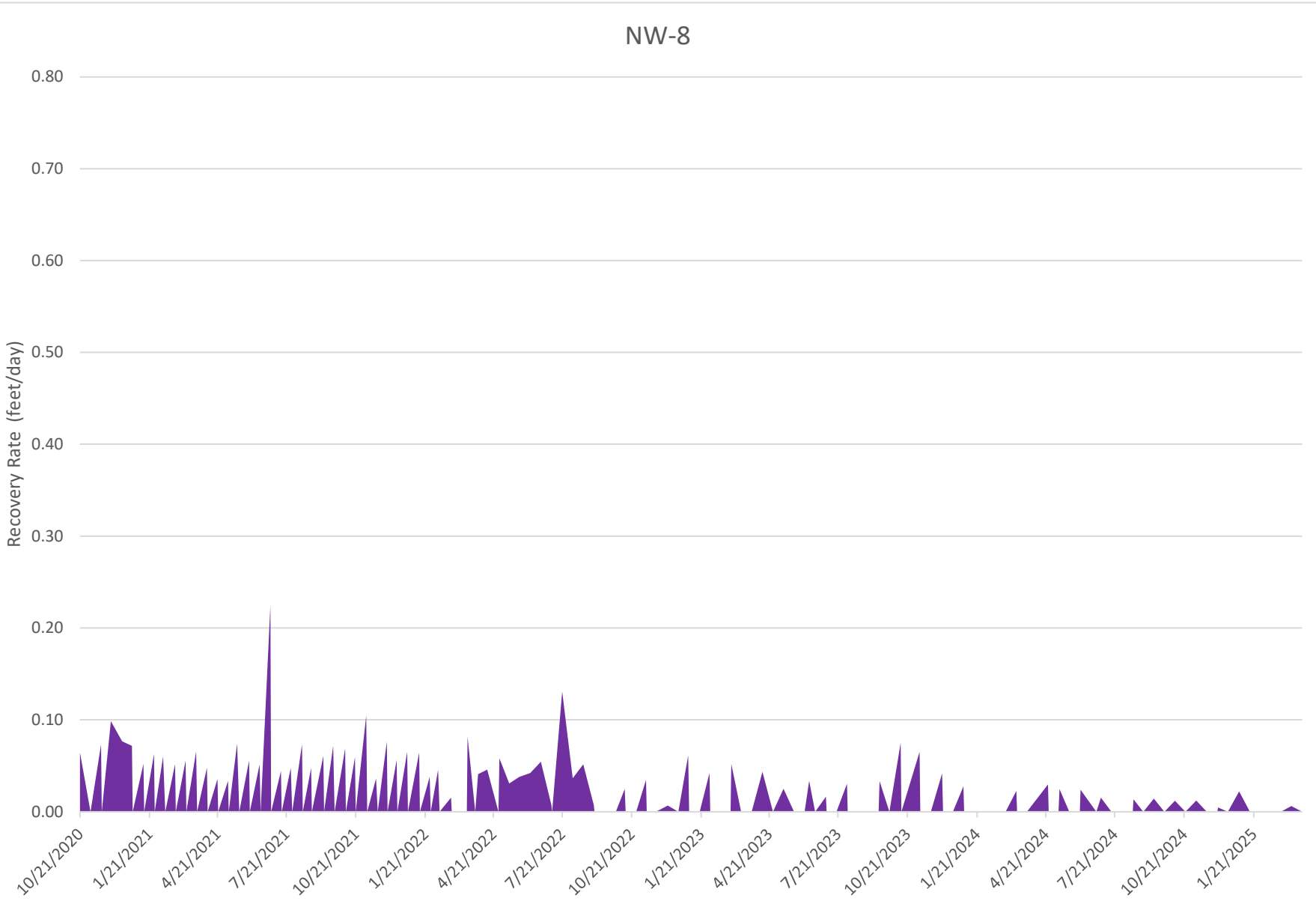
Attachment B Recovery Rate Graphs



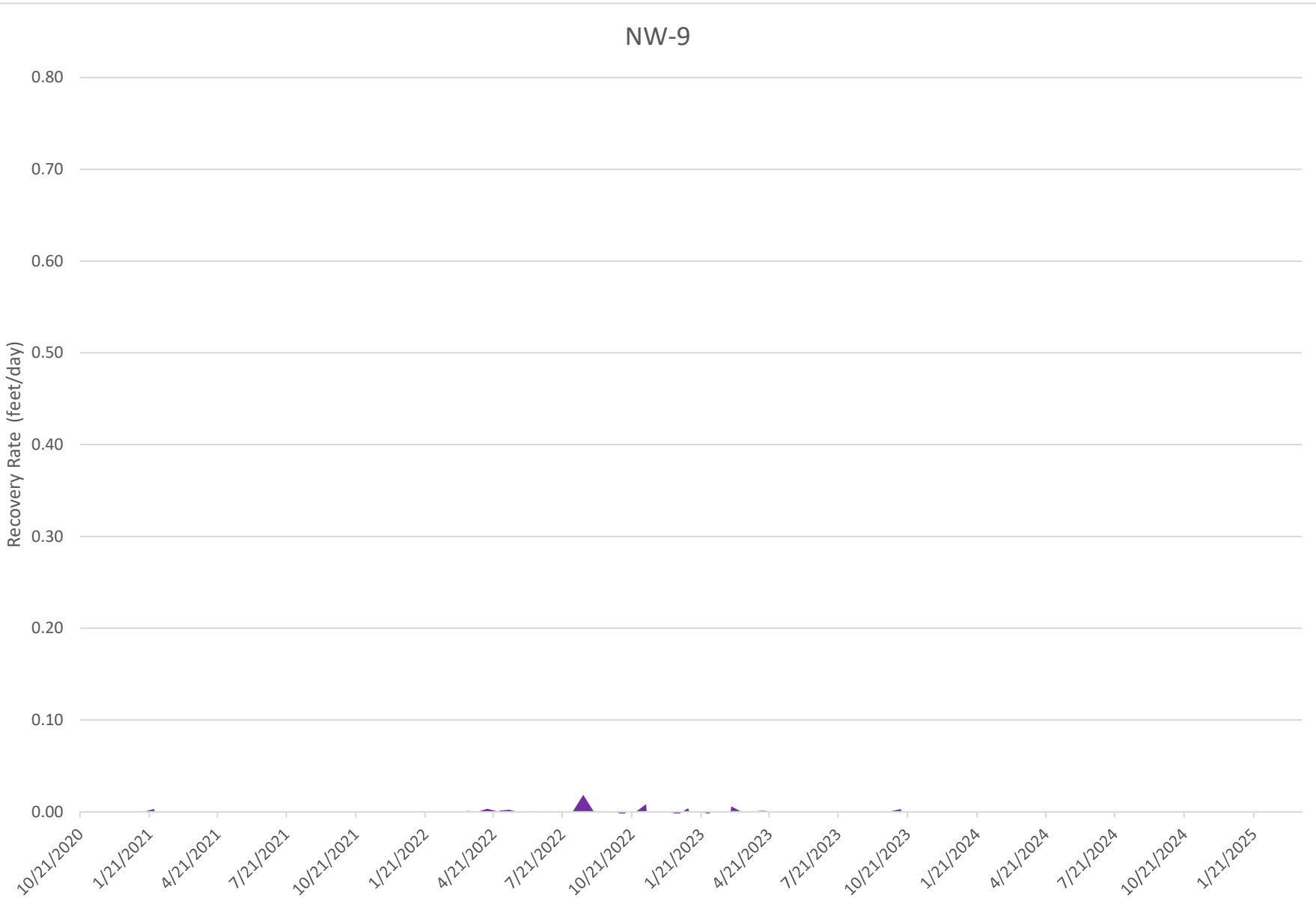
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



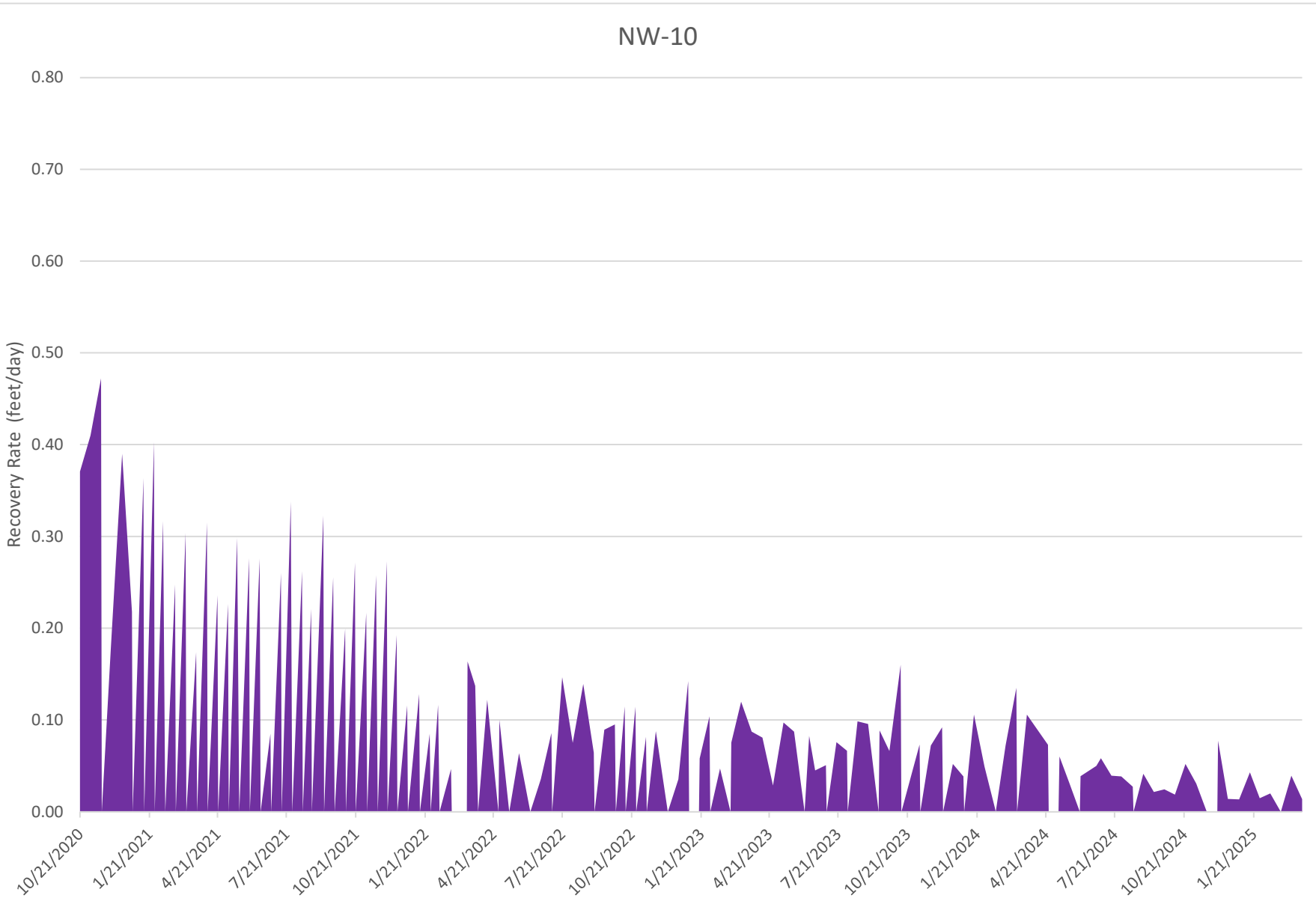
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



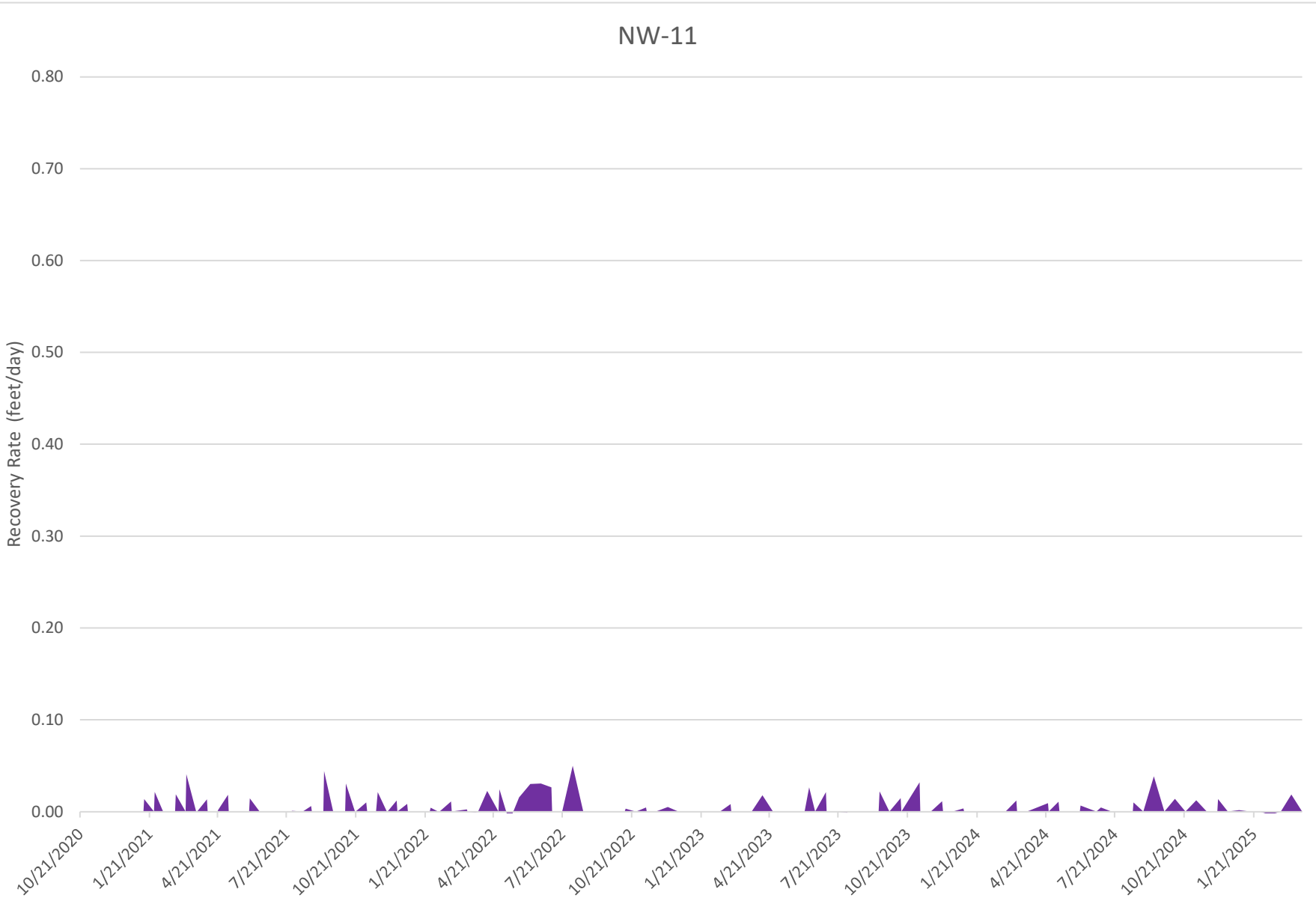
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.

May 13, 2025
Project No. 2201010

VIA EMAIL: LevinsonM@coned.com

Mr. Matthew Levinson
Consolidated Edison Company of New York
31-01 20th Avenue, Building 138, 2nd Floor
Long Island City, NY 11105-2048

Re: DNAPL Recovery Annual Summary (May 1, 2024 to April 30, 2025)
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Levinson:

This Annual Summary Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during Periodic Review Report reporting period from May 1, 2024 to April 30, 2025.

Recovery Well Gauging and DNAPL Recovery

During the reporting period, DNAPL gauging, and recovery was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP) by GEI. DNAPL gauging and recovery frequency was increased from the monthly requirement in the SMP to biweekly during a previous reporting period. The following changes to the monitoring program were approved by NYSDEC on August 30, 2022:

- If less than 6 inches of measurable NAPL is observed at a recovery well for 6 months, NAPL gauging/removal will be reduced from monthly to quarterly.
- If less than 6 inches of measurable NAPL is observed at a recovery well for an additional 6 months from when the monthly gauging is initiated, NAPL gauging/removal will be reduced from quarterly to annually.

NYSDEC approved a reduction in the reporting frequency to quarterly starting in April 2023.

SMP Monitoring Plan Schedule

Monitoring Program	Frequency	Monitoring Parameter	Inspection or Means	Date Completed
Recovery Well Gauging and DNAPL Recovery	Biweekly/ Monthly/ Quarterly	DNAPL Thickness and Recovery Volume	Gauging and Recovery (if required) of DNAPL from 12 Recovery Wells	05/2024 – 04/2025 (biweekly, monthly, or quarterly)

Gauging and Recovery Schedule

Well ID	Gauging and Recovery Frequency
NW-5, 6, and 10	Biweekly
NW-8 and 11	Monthly
NW-1, 3, 4, 7, 9, 10S, and 12	Annually

DNAPL gauging was completed at the eleven recovery wells at the Site during the reporting period. DNAPL recovery was completed at the five wells where greater than 6-inches of DNAPL was present in the sump during a gauging event.

The following monitoring wells are included in the DNAPL gauging program. Recovery wells that had recoverable DNAPL during the reporting period are identified with an asterisk.

NW-1	NW-5*	NW-8*	NW-10S
NW-3	NW-6*	NW-9	NW-11*
NW-4	NW-7	NW-10*	NW-12

DNAPL recovery well gauging results for the reporting period are provided in Table 1.

During the reporting period, DNAPL removal activities were performed by GEI with a 2-inch submersible pump and dedicated tubing at recovery wells NW-8, NW-10, and NW-11. DNAPL removal activities at recovery wells NW-5 and NW-6 were completed by GEI using a QED piston pump or a PVC airlift pump and dedicated tubing.

During the reporting period, a total of 394 gallons of DNAPL were evacuated from the on-site recovery wells and containerized in 55-gallon Department of Transportation (DOT)-approved drums for off-site disposal at an appropriate receiving facility. DNAPL recovery totals for the reporting period are provided in Table 2.

Waste Disposal

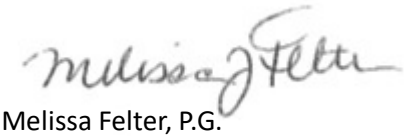
During the reporting period, GEI coordinated the removal of DNAPL under EPA ID NYR000254706. A total of 394 gallons of DNAPL were removed during the DNAPL pumping events by Clean Earth of New Jersey (CENJ) for off-site disposal as hazardous waste at their facility in Flanders, New Jersey.

Hazardous and non-hazardous waste disposal manifests were provided within the monthly progress reports, which are enclosed as Appendix A.

If you have any questions, please feel free to contact me at 646-385-1691.

Sincerely,

GEI CONSULTANTS, INC., P.C.



Matthew J. O'Neil, P.E.
Vice President/ Senior Engineer

Melissa Felter, P.G.
Project Manager

MJO/MF:bdp
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\PRRs\PCW-PRR-2025\Letter.C360099.2025_PCW_DNAPL_Recovery.docx

Attachments:

Table 1. Reporting Period Recovery Well Gauging Measurements
Table 2. Reporting Period DNAPL Recovery Totals
Appendix A. Monthly Progress Reports

Tables

Table 1. Reporting Period Recovery Well Gauging Measurements

Table 2. Reporting Period DNAPL Recovery Totals

Table 1. Reporting Period Recovery Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/9/2025	1:25 PM	8.21	20.51	20.51	NA	
NW-3	4/9/2025	1:15 PM	8.10	32.70	32.70	NA	
NW-4	4/9/2025	1:00 PM	8.02	43.18	43.18	Trace	
NW-5	5/9/2024	11:00 AM	8.30	29.48	37.23	7.75	Pre-pumping measurement
	5/9/2024	2:00 PM	ND	31.73	37.23	5.50	Post-pumping measurement ~5 gallons removed
	5/22/2024	11:00 AM	6.81	29.51	37.31	7.80	Pre-pumping measurement
	5/22/2024	2:00 PM	ND	31.81	37.31	5.50	Post-pumping measurement ~5 gallons removed
	6/5/2024	10:00 AM	7.47	31.06	37.31	6.25	Pre-pumping measurement
	6/5/2024	12:30 PM	ND	33.06	37.31	4.25	Post-pumping measurement ~4.5 gallons removed
	6/27/2024	11:15 AM	8.52	29.61	37.21	7.60	Pre-pumping measurement
	6/27/2024	2:00 PM	ND	32.11	37.21	5.10	Post-pumping measurement ~5 gallons removed
	7/3/2024	11:25 AM	8.60	30.08	37.28	7.20	Pre-pumping measurement
	7/3/2024	1:45 PM	ND	37.27	37.28	5.75	Post-pumping measurement ~4.0 gallons removed
	7/17/2024	10:15 AM	6.75	29.66	37.31	7.65	Pre-pumping measurement
	7/17/2024	1:15 PM	ND	32.06	37.31	5.25	Post-pumping measurement ~5 gallons removed
	7/30/2024	10:45 AM	9.82	29.87	37.07	7.20	Pre-pumping measurement
	7/30/2024	12:35 PM	ND	30.87	37.07	6.20	Post-pumping measurement ~4.0 gallons removed
	8/14/2024	10:20 AM	7.30	30.65	37.13	6.48	Pre-pumping measurement
	8/14/2024	11:45 AM	ND	31.92	37.13	5.21	Post-pumping measurement ~4.0 gallons removed
	8/28/2024	NA	NA	NA	NA	NA	Equipment malfunction, could not recover.
	9/11/2024	12:15 PM	7.50	29.25	37.25	8.00	Pre-pumping measurement
	9/11/2024	12:45 PM	ND	32.75	37.25	4.50	Post-pumping measurement ~10.0 gallons removed (buffalo pump)
	9/25/2024	10:45 AM	8.20	29.39	37.29	7.90	Pre-pumping measurement
	9/25/2024	11:10 AM	ND	36.19	37.29	1.10	Post-pumping measurement ~10.0 gallons removed (buffalo pump)
	10/9/2024	12:00 PM	8.57	29.65	37.25	7.60	Pre-pumping measurement
	10/9/2024	12:45 PM	ND	36.15	37.25	1.10	Post-pumping measurement ~10.0 gallons removed (PVC airlift pump)
	10/23/2024	10:25 AM	9.31	29.39	37.39	8.00	Pre-pumping measurement
	10/23/2024	11:40 AM	ND	36.39	37.39	1.00	Post-pumping measurement ~10.0 gallons removed (PVC airlift pump)
	11/6/2024	11:30 AM	8.60	30.69	37.29	6.60	Pre-pumping measurement
	11/6/2024	12:30 PM	ND	36.49	37.29	0.80	Post-pumping measurement ~8.0 gallons removed (PVC airlift pump)
	11/20/2024	10:55 AM	7.87	30.29	37.29	7.00	Pre-pumping measurement
	11/20/2024	11:55 AM	ND	36.43	37.29	0.86	Post-pumping measurement ~10.0 gallons removed (PVC airlift pump)
	12/4/2024	10:15 AM	8.24	31.39	37.39	6.00	Pre-pumping measurement
	12/4/2024	11:15 AM	ND	35.89	37.39	1.50	Post-pumping measurement ~8.0 gallons removed (PVC airlift pump)
	12/18/2024	10:25 AM	8.95	30.39	37.39	7.00	Pre-pumping measurement
	12/18/2024	11:05 AM	ND	36.64	37.39	0.75	Post-pumping measurement ~10.0 gallons removed (PVC airlift pump)
	1/2/2025	8:30 AM	8.94	31.05	37.20	6.15	Pre-pumping measurement
	1/2/2025	9:15 AM	ND	35.7	37.20	1.50	Post-pumping measurement ~8.0 gallons removed (PVC airlift pump)
	1/16/2025	10:35 AM	9.25	31.80	37.80	6.00	Pre-pumping measurement
	1/16/2025	11:15 AM	ND	37.79	37.80	0.01	Post-pumping measurement ~6.0 gallons removed (PVC airlift pump)
	1/29/2025	10:25 AM	NA	30.80	37.80	7.00	Pre-pumping measurement
	1/29/2025	11:25 AM	ND	37.79	37.80	0.01	Post-pumping measurement ~6.0 gallons removed (PVC airlift pump)
	2/12/2025	11:00 AM	7.50	30.80	37.55	6.75	Pre-pumping measurement
	2/12/2025	11:45 AM	ND	33.19	37.55	4.36	Post-pumping measurement ~5 gallons removed (PVC airlift pump)
	2/26/2025	10:30 AM	6.60	29.85	37.55	7.70	Pre-pumping measurement
	2/26/2025	11:15 AM	ND	35.05	37.55	2.50	Post-pumping measurement ~4 gallons removed (PVC airlift pump)
	3/12/2025	11:00 AM	9.80	31.00	37.50	6.50	Pre-pumping measurement
	3/12/2025	11:45 AM	ND	35.50	37.50	2.00	Post-pumping measurement ~4 gallons removed (PVC airlift pump)
	3/26/2025	10:00 AM	8.25	29.83	37.33	7.50	Pre-pumping measurement
	3/26/2025	10:50 AM	ND	36.93	37.33	0.40	Post-pumping measurement ~5 gallons removed (PVC airlift pump)
	4/9/2025	12:45 PM	9.42	30.35	37.35	7.00	Pre-pumping measurement
	4/9/2025	1:40 PM	ND	35.45	37.35	1.90	Post-pumping measurement ~4 gallons removed (PVC airlift pump)
	4/23/2025	10:15 AM	NA	29.15	34.15	5.00	Pre-pumping measurement
	4/23/2025	11:00 AM	ND	34.05	34.15	0.10	Post-pumping measurement ~4 gallons removed (PVC airlift pump)

Table 1. Reporting Period Recovery Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-6	5/9/2024	9:00 AM	8.18	30.97	36.82	5.85	Pre-pumping measurement
	5/9/2024	9:45 AM	ND	33.42	36.82	3.40	Post-pumping measurement ~5.0 gallons removed
	5/22/2024	9:30 AM	8.65	31.31	36.8	5.49	Pre-pumping measurement
	5/22/2024	10:00 AM	ND	33.61	36.8	3.19	Post-pumping measurement ~4.5 gallons removed
	6/5/2024	9:00 AM	8.81	30.45	36.8	6.35	Pre-pumping measurement
	6/5/2024	9:45 AM	ND	33.60	36.8	3.20	Post-pumping measurement ~5.5 gallons removed
	6/27/2024	9:15 AM	9.00	31.24	36.8	5.56	Pre-pumping measurement
	6/27/2024	10:00 AM	ND	33.34	36.8	3.46	Post-pumping measurement ~4.5 gallons removed
	7/3/2024	9:15 AM	8.80	31.34	36.8	5.46	Pre-pumping measurement
	7/3/2024	10:00 AM	ND	33.37	36.8	3.43	Post-pumping measurement ~4.5 gallons removed
	7/17/2024	8:30 AM	8.85	31.74	36.8	5.06	Pre-pumping measurement
	7/17/2024	9:30 AM	ND	33.32	36.8	3.48	Post Pumping Measurment ~4 gallons removed
	7/30/2024	9:00 AM	8.12	30.20	36.8	6.60	Pre-pumping measurement
	7/30/2024	10:05 AM	ND	33.82	36.8	2.98	Post-pumping measurement ~5.0 gallons removed
	8/14/2024	8:40 AM	8.84	30.04	36.8	6.76	Pre-pumping measurement
	8/14/2024	9:45 AM	ND	32.50	36.8	4.30	Post-pumping measurement ~5.0 gallons removed
	8/28/2024	9:00 AM	8.68	31.28	36.8	5.52	Equipment malfunction, could not recover.
	9/11/2024	11:15 AM	9.80	30.00	36.8	6.80	Pre-pumping measurement
	9/11/2024	11:45 AM	ND	33.30	36.8	3.50	Post-pumping measurement ~10.0 gallons removed (buffalo pump)
	9/25/2024	9:45 AM	8.5	31.79	36.8	5.01	Pre-pumping measurement
	9/25/2024	10:05 AM	ND	33.09	36.8	3.71	Post-pumping measurement ~10.0 gallons removed (buffalo pump)
	10/9/2024	11:15 AM	9.32	31.12	36.80	5.68	Pre-pumping measurement
	10/9/2024	11:30 AM	ND	32.72	36.80	4.08	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	10/23/2024	9:45 AM	9.21	31.12	37.12	6.00	Pre-pumping measurement
	10/23/2024	10:15 AM	ND	33.12	37.12	4.00	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	11/6/2024	11:00 AM	9.60	31.10	36.80	5.70	Pre-pumping measurement
	11/6/2024	11:20 AM	ND	32.40	36.80	4.40	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	11/20/2024	10:25 AM	9.98	32.67	36.80	4.13	Pre-pumping measurement
	11/20/2024	10:35 AM	ND	33.40	36.80	3.40	Post-pumping measurement ~8 gallons removed (PVC airlift pump)
	12/4/2024	9:00 AM	9.59	31.62	36.80	5.18	Pre-pumping measurement
	12/4/2024	9:45 AM	ND	32.95	36.80	3.85	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	12/18/2024	9:25 AM	9.38	32.30	36.80	4.50	Pre-pumping measurement
	12/18/2024	10:00 AM	ND	33.70	36.80	3.10	Post-pumping measurement ~8 gallons removed (PVC airlift pump)
	1/2/2025	9:40 AM	9.65	32.30	36.80	4.50	Pre-pumping measurement
	1/2/2025	10:00 AM	ND	33.20	36.80	3.60	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	1/16/2025	9:45 AM	11.05	30.80	36.80	6.00	Pre-pumping measurement
	1/16/2025	10:10 AM	ND	31.80	36.80	5.00	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	1/29/2025	9:50 AM	NA	30.80	36.80	6.00	Pre-pumping measurement
	1/29/2025	10:15 AM	ND	33.32	36.80	3.48	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	2/12/2025	12:00 PM	9.50	32.16	36.80	4.64	Pre-pumping measurement
	2/12/2025	12:30 PM	ND	33.20	36.80	3.60	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	2/26/2025	9:30 AM	32.70	36.80	36.80	4.10	Pre-pumping measurement
	2/26/2025	10:00 AM	ND	34.60	36.80	2.20	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	3/12/2025	10:30 AM	9.70	30.90	36.80	5.90	Pre-pumping measurement
	3/12/2025	10:50 AM	ND	33.30	36.80	3.50	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	3/26/2025	9:15 AM	8.85	30.67	36.80	6.13	Pre-pumping measurement
	3/26/2025	9:35 AM	ND	33.32	36.80	3.48	Post-pumping measurement ~10 gallons removed (PVC airlift pump)
	4/9/2025	9:00 AM	9.2	30.85	36.80	5.95	0.75" Buffalo Pump did not work - NAPL emulsified
	4/23/2025	9:35 AM	9.47	30.30	36.80	6.50	Pre-pumping measurement
	4/23/2025	10:05 AM	ND	36.00	36.80	4.30	Post-pumping measurement ~8 gallons removed (PVC airlift pump)
NW-7	4/9/2025	10:50 AM	9.50	22.90	22.90	Trace	

Table 1. Reporting Period Recovery Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-8	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement**
	6/6/2024	**12:00 PM**	**ND**	**36.21**	**36.22**	**0.01**	**Post-pumping measurement ~2.5 gallons removed**
	7/3/2024	10:15 AM	10.3	35.9	36.26	0.42	
	8/15/2024	**10:25 AM**	**10.77**	**35.21**	**36.21**	**1**	**Pre-pumping measurement**
	8/15/2024	**10:30 AM**	**ND**	**36.2**	**36.21**	**0.01**	**Post-pumping measurement ~2.5 gallons removed**
	9/11/2024	9:00 AM	10.75	35.8	36.19	0.39	
	10/9/2024	**9:15 AM**	**10.52**	**35.53**	**36.25**	**0.72**	**Pre-pumping measurement**
	10/9/2024	**9:45 AM**	**ND**	**36.24**	**36.25**	**0.01**	**Post-pumping measurement ~2 gallons removed**
	11/6/2024	9:00 AM	11.1	35.85	36.2	0.35	
	12/5/2024	10:25 AM	10.27	35.72	36.2	0.48	
	1/2/2025	**11:00 AM**	**11.05**	**35.11**	**36.21**	**1.1**	**Pre-pumping measurement**
	1/2/2025	**11:15 AM**	**ND**	**36.19**	**36.21**	**0.02**	**Post-pumping measurement ~2.5 gallons removed**
	2/12/2025	NA	NA	NA	NA	NA	Well obstructed
	3/12/2025	9:15 AM	8.60	35.80	36.25	0.45	
	4/9/2025	9:55 AM	10.8	35.75	36.23	0.48	
NW-9	4/9/2025	10:05 AM	11.11	33.07	33.37	0.30	
NW-10	**5/9/2024**	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement**
	5/9/2024	**10:20 AM**	**ND**	**33.44**	**33.45**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement**
	6/6/2024	**11:20 AM**	**ND**	**33.61**	**33.62**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement**
	6/27/2024	11:00 AM	ND	33.6	**33.61**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
	7/3/2024	10:25 AM	10.46	33.28	33.64	0.36	
	7/17/2024	**9:45 AM**	**10.33**	**32.84**	**33.39**	**0.55**	**Pre-pumping measurement**
	7/17/2024	**10:00 AM**	**ND**	**33.38**	**33.39**	**0.01**	**Post-pumping measurment ~1.5 gallons removed**
	7/30/2024	**12:50 PM**	**10.57**	**32.87**	**33.38**	**0.51**	**Pre-pumping measurement**
	7/30/2024	**1:00 PM**	**ND**	**33.37**	**33.38**	**0.01**	**Post-pumping measurment ~1.5 gallons removed**
	8/14/2024	11:15 AM	9.74	33.19	33.61	0.42	
	8/28/2024	**11:00 AM**	**9.81**	**32.58**	**33.58**	**1.00**	**Pre-pumping measurement**
	8/28/2024	**11:20 AM**	**ND**	**33.57**	**33.58**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
	9/11/2024	9:20 AM	10.6	33.09	33.40	0.31	
	9/25/2024	**9:15 AM**	**9.85**	**32.95**	**33.60**	**0.65**	**Pre-pumping measurement**
	9/25/2024	**9:25 AM**	**ND**	**33.59**	**33.60**	**0.01**	**Post-pumping measurment ~1.5 gallons removed**
	10/9/2024	9:00 AM	10.58	33.32	33.59	0.27	
	10/23/2024	**12:10 PM**	**10.86**	**32.60**	**33.60**	**1.00**	**Pre-pumping measurement**
	10/23/2024	**12:30 PM**	**ND**	**33.59**	**33.60**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
	11/6/2024	9:10 AM	11.2	33.08	33.52	0.44	
	11/20/2024	9:50 AM	10.53	33.17	33.51	0.34	
	12/5/2024	**9:45 AM**	**10.92**	**32.03**	**33.53**	**1.50**	**Pre-pumping measurement**
	12/5/2024	**10:15 AM**	**ND**	**33.51**	**33.53**	**0.02**	**Post-pumping measurment ~3.0 gallons removed**
	12/18/2024	11:40 AM	10.92	33.33	33.53	0.20	
	1/2/2025	10:40 AM	11.2	33.15	33.55	0.40	
	1/16/2025	**11:30 AM**	**11.19**	**32.5**	**33.50**	**1.00**	**Pre-pumping measurement**
	1/16/2025	**12:05 PM**	**ND**	**33.49**	**33.50**	**0.01**	**Post-pumping measurment ~2.5 gallons removed**
	1/29/2025	9:35 AM	11.13	33.25	33.77	0.20	
	2/12/2025	10:00 AM	10.37	32.96	33.44	0.48	
	2/26/2025	8:30 AM	10.70	33.54	33.89	0.35	
	3/12/2025	**8:45 AM**	**6.78**	**32.40**	**33.30**	**0.90**	**Pre-pumping measurement**
	3/12/2025	**9:05 AM**	**ND**	**33.29**	**33.30**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
	3/26/2025	8:55 AM	10.48	33.38	33.58	0.20	
NW-10 Cont'd	4/9/2025	10:30 AM	10.40	32.95	33.34	0.39	
	4/23/2025	**9:30 AM**	**10.96**	**32.59**	**33.59**	**1.00**	**Pre-pumping measurement**
	4/23/2025	**9:45 AM**	**ND**	**33.58**	**33.59**	**0.01**	**Post-pumping measurment ~2.0 gallons removed**
NW-10S	4/9/2025	10:15 AM	11.42	17.90	17.90	NA	

Table 1. Reporting Period Recovery Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-11	**5/8/2024**	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement**
	5/8/2024	**12:20 PM**	**ND**	**22.61**	**22.62**	**0.01**	**Post-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
	7/3/2024	10:35 AM	4.50	22.37	22.69	0.32	
	8/15/2024	**10:00 AM**	**3.94**	**21.97**	**22.72**	**0.75**	**Pre-pumping measurement**
	8/15/2024	**10:15 AM**	**ND**	**22.71**	**22.72**	**0.01**	**Post-pumping measurement ~2 gallons removed**
	9/11/2024	**9:45 AM**	**4.38**	**21.80**	**22.85**	**1.05**	**Pre-pumping measurement**
	9/11/2024	**9:55 AM**	**ND**	**22.84**	**22.85**	**0.01**	**Post-pumping measurement ~2.5 gallons removed**
	10/9/2024	10:00 AM	4.92	22.46	22.86	0.40	
	11/6/2024	**9:20 AM**	**5.30**	**22.14**	**22.89**	**0.75**	**Pre-pumping measurement**
	11/6/2024	**9:30 AM**	**ND**	**22.87**	**22.89**	**0.02**	**Post-pumping measurement ~2 gallons removed**
	12/5/2024	11:05 AM	4.74	22.43	22.85	0.42	
	1/2/2025	10:20 AM	4.50	22.38	22.85	0.47	
	2/12/2025	10:30 AM	4.02	22.49	22.82	0.33	
	3/12/2025	**9:25 AM**	**5.00**	**21.90**	**22.75**	**0.85**	**Pre-pumping measurement**
	3/12/2025	**9:45 AM**	**ND**	**22.74**	**22.75**	**0.01**	**Post-pumping measurement ~2 gallons removed**
	4/9/2025	10:40 AM	4.45	22.63	22.81	0.18	
NW-12	4/9/2025	11:00 AM	4.13	21.65	21.65	NA	

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 are gauged annually.

Table 2. Reporting Period DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

DNAPL Recovered Volume (gal)													
Recovery Event	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Jan-25**	**Feb-25**	**Mar-25**	**Apr-25**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-5	**10.0**	**9.5**	**13.0**	**4.0**	**20.0**	**20.0**	**18.0**	**18.0**	**20.0**	**9.0**	**9.0**	**8.0**	**158.50**
NW-6	**9.5**	**10.0**	**13.5**	**5.0**	**20.0**	**20.0**	**18.0**	**18.0**	**30.0**	**20.0**	**20.0**	**8.0**	**192.00**
NW-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-8	NA	**2.5**	NA	**2.5**	NA	**2.0**	NA	NA	**2.5**	NA	NA	NA	**9.50**
NW-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-10	**2.0**	**4.0**	**3.0**	**2.0**	**1.5**	**2.0**	NA	**3.0**	**2.5**	NA	**2.0**	**2.0**	**24.00**
NW-11	**1.5**	NA	NA	**2.0**	**2.5**	NA	**2.0**	NA	NA	NA	**2.0**	NA	**10.00**
NW-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
Event Total	**23.00**	**26.00**	**29.50**	**15.50**	**44.00**	**44.00**	**38.00**	**39.00**	**55.00**	**29.00**	**33.00**	**18.00**	**394.00**
Date Generated	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024	7/3/2024, 7/17/2024, 7/30/2024	8/14/2024, 8/15/2024, 8/28/2024	9/11/2024, 9/25/2024	10/9/2024, 10/23/2024	11/6/2024, 11/20/2024	12/4/2024, 12/5/2024, 12/18/2024	1/2/2025, 1/16/2025, 1/29/2025	2/12/2025, 2/26/2025	3/12/2025, 3/26/2025	4/9/2025, 4/23/2025	
Off-Site Disposal Date	5/9/2024, 6/6/2024	6/6/2024, 7/3/2024	7/3/2024, 8/14/2024	8/14/2024, 9/11/2024	9/11/2024, 10/9/2024	10/9/2024, 11/6/2024	11/6/2024, 12/4/2024	12/4/2024	1/16/2025, 2/26/2025	2/26/2025	4/9/2025	5/21/2025	
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Appendix A Quarterly Progress Reports

GEI Consultants

Consulting Engineers and Scientists

July 17, 2024
Project 2201010

Via email: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Dear Mr. Starr:

Re: Progress Report – Second Quarter 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the second quarter of 2024.

Site Activities

During the second quarter of 2024, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-9, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q2 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. DNAPL gauging and recovery amounts for the Q2 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55-gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On April 24, May 9, and June 6, 2024, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q2 are provided in Attachment A.

A total of approximately 65.5 gallons of DNAPL were recovered during the reporting period. Since the start of 2024, a total of 209.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2024 are summarized in Table 3.

GEI Consultants, Inc., P.C.
455 Winding Brook Drive, Suite 201, Glastonbury, CT 06033
860.368.5300

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q3 2024:

- Complete DNAPL gauging and removal in Q3 2024 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, and quarterly for NW-9.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q3 2024.

If you have any questions or require any further information, please contact Melissa Abt at Con Edison at 718-204-4331 or via electronic mail at abtm@coned.com.

Sincerely,

GEI CONSULTANTS, INC., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager

Melissa Felter, P.G.
Project Manager

MO/MF:bdp
Attachments: Table 1. Q2 2024 DNAPL Summary
Table 2. 2024 Well Gauging Measurements
Table 3. 2024 DNAPL Recovery Totals
Fig. 1 Site Location Map
Fig. 2 NAPL Recovery & Groundwater Monitoring Well Location Plan
Attachment A. Waste Disposal Manifests
Attachment B. Historic Well Gauging Measurements

c: Glen Moran/ /Jon Vogel/Michael Simpson/ Chadwich Hinckley/Stephanie Lessick, AVB
Marc Godick/Steve Grens, AKRF
Mihir Chokshi/Melissa Abt, Con Edison

Tables

Table 1. Q2 2024 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)					Total DNAPL Removed (Gallons)
	4/24/2024-4/25/2024	5/8/2024-5/9/2024	5/22/2024	6/5/2024-6/6/2024	6/27/2024	Q2 2024
NW-5	**8.50**	**7.75**	**7.80**	**6.25**	**7.60**	**27.0**
NW-6	5.65	**5.85**	**5.49**	**6.35**	**5.56**	**19.5**
NW-8	**1.25**	0.38	NA	**1.05**	NA	**5.5**
NW-9	0.25	NA	NA	NA	NA	NA
NW-10	**2.05**	**0.91**	0.42	**1.00**	**1.05**	**12.0**
NW-11	0.40	**0.55**	NA	0.20	NA	**1.5**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/25/2024	11:00 AM	6.39	NA	20.35	NA	
NW-3	4/25/2024	11:15 AM	6.62	NA	32.98	NA	
NW-4	4/25/2024	11:30 AM	8.85	NA	43.20	NA	
	5/22/2024	12:00 PM	8.38	NA	43.30	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**1/4/2024**	**10:30 AM**	**6.60**	**29.86**	**37.28**	**7.42**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	1/17/2024	NA	NA	NA	NA	NA	No more drum space, could not recover.
	1/31/2024	**9:55 AM**	**7.54**	**29.50**	**37.30**	**7.80**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	2/15/2024	12:00 PM	7.77	29.90	36.57	6.67	Pump malfunction, could not recover.
	2/28/2024	**11:35 AM**	**8.49**	**29.70**	**37.18**	**7.48**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**11:30 AM**	**7.01**	**29.48**	**37.38**	**7.90**	**Pre-pumping measurement ~7.5 gallons removed**
	3/27/2024	**12:00 PM**	**7.21**	**29.97**	**37.18**	**6.29**	**Pre-pumping measurement ~4 gallons removed**
	4/25/2024	**9:00 AM**	**8.20**	**28.75**	**37.25**	**8.50**	**Pre-pumping measurement ~7.5 gallons removed**
	5/9/2024	**11:00 AM**	**8.30**	**29.48**	**37.23**	**7.75**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**11:00 AM**	**6.81**	**29.51**	**37.31**	**7.80**	**Pre-pumping measurement ~5 gallons removed**
	6/5/2024	**10:00 AM**	**7.47**	**31.06**	**37.31**	**6.25**	**Pre-pumping measurement ~4.5 gallons removed**
	6/27/2024	**11:15 AM**	**8.52**	**29.61**	**37.21**	**7.60**	**Pre-pumping measurement ~5 gallons removed**
NW-6	**1/4/2024**	**9:00 AM**	**9.01**	**31.60**	**36.80**	**5.20**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/17/2024	**10:10 AM**	**8.97**	**31.70**	**36.80**	**5.10**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/31/2024	**1:45 PM**	**8.00**	**33.76**	**36.80**	**5.34**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	2/14/2024	**12:55 PM**	**8.68**	**31.40**	**36.66**	**5.26**	**Pre-pumping measurement ~5 gallons removed**
	2/28/2024	**9:40 AM**	**9.40**	**31.66**	**36.66**	**5.00**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**8:45 AM**	**8.75**	**29.96**	**36.80**	**6.84**	**Pre-pumping measurement ~2 gallons removed (metal pipe blocked air line)**
	3/27/2024	**9:15 AM**	**9.32**	**30.78**	**36.80**	**6.02**	**Pre-pumping measurement ~5 gallons removed**
	4/24/2024	8:45 AM	8.54	31.15	36.80	5.65	Tubing malfunction, could not recover.
	5/9/2024	**9:00 AM**	**8.18**	**30.97**	**36.82**	**5.85**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**9:30 AM**	**8.65**	**31.31**	**36.80**	**5.49**	**Pre-pumping measurement ~4.5 gallons removed**
	6/5/2024	**9:00 AM**	**8.81**	**30.45**	**36.80**	**6.35**	**Pre-pumping measurement ~5.5 gallons removed**
	6/27/2024	**9:15 AM**	**9.00**	**31.24**	**36.80**	**5.56**	**Pre-pumping measurement ~4.5 gallons removed**
NW-7	4/25/2024	10:35 AM	9.60	NA	22.87	NA	
NW-8	**1/3/2024**	**10:00 AM**	**10.36**	**35.35**	**36.15**	**0.80**	**Pre-pumping measurement ~2 gallons removed**
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**9:15 AM**	**9.98**	**34.62**	**36.22**	**1.60**	**Pre-pumping measurement ~4 gallons removed**
	4/24/2024	**12:30 PM**	**9.60**	**34.98**	**36.23**	**1.25**	**Pre-pumping measurement ~3 gallons removed**
	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
NW-9	1/3/2024	10:15 AM	10.40	33.06	33.36	0.30	
	4/24/2024	12:45 PM	9.77	33.08	33.33	0.25	
NW-10	**1/3/2024**	**11:00 AM**	**10.46**	**33.07**	**33.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	1/17/2024	**9:10 AM**	**10.40**	**32.10**	**33.60**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	1/31/2024	8:35 AM	10.82	32.82	33.62	0.70	Pump malfunction, could not recover.
	2/14/2024	**9:30 AM**	**10.33**	**32.99**	**33.74**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	2/28/2024	**10:20 AM**	**11.05**	**32.71**	**33.73**	**1.02**	**Pre-pumping measurement ~2 gallons removed**
	3/13/2024	**10:20 AM**	**10.22**	**31.67**	**33.57**	**1.90**	**Pre-pumping measurement ~4.5 gallons removed**
	3/27/2024	**11:10 AM**	**9.81**	**32.01**	**33.51**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	**1:05 PM**	**9.50**	**31.55**	**33.60**	**2.05**	**Pre-pumping measurement ~6 gallons removed**
	5/9/2024	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement ~2 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement ~2 gallons removed**
NW-10S	4/24/2024	1:15 PM	10.04	NA	17.85	NA	
NW-11	1/3/2024	9:40 AM	3.80	22.38	22.83	0.45	
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**3.75**	**21.51**	**22.81**	**1.30**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	3.90	22.44	22.84	0.40	
	5/8/2024	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
NW-12	4/25/2024	10:20 AM	3.91	NA	21.11	NA	

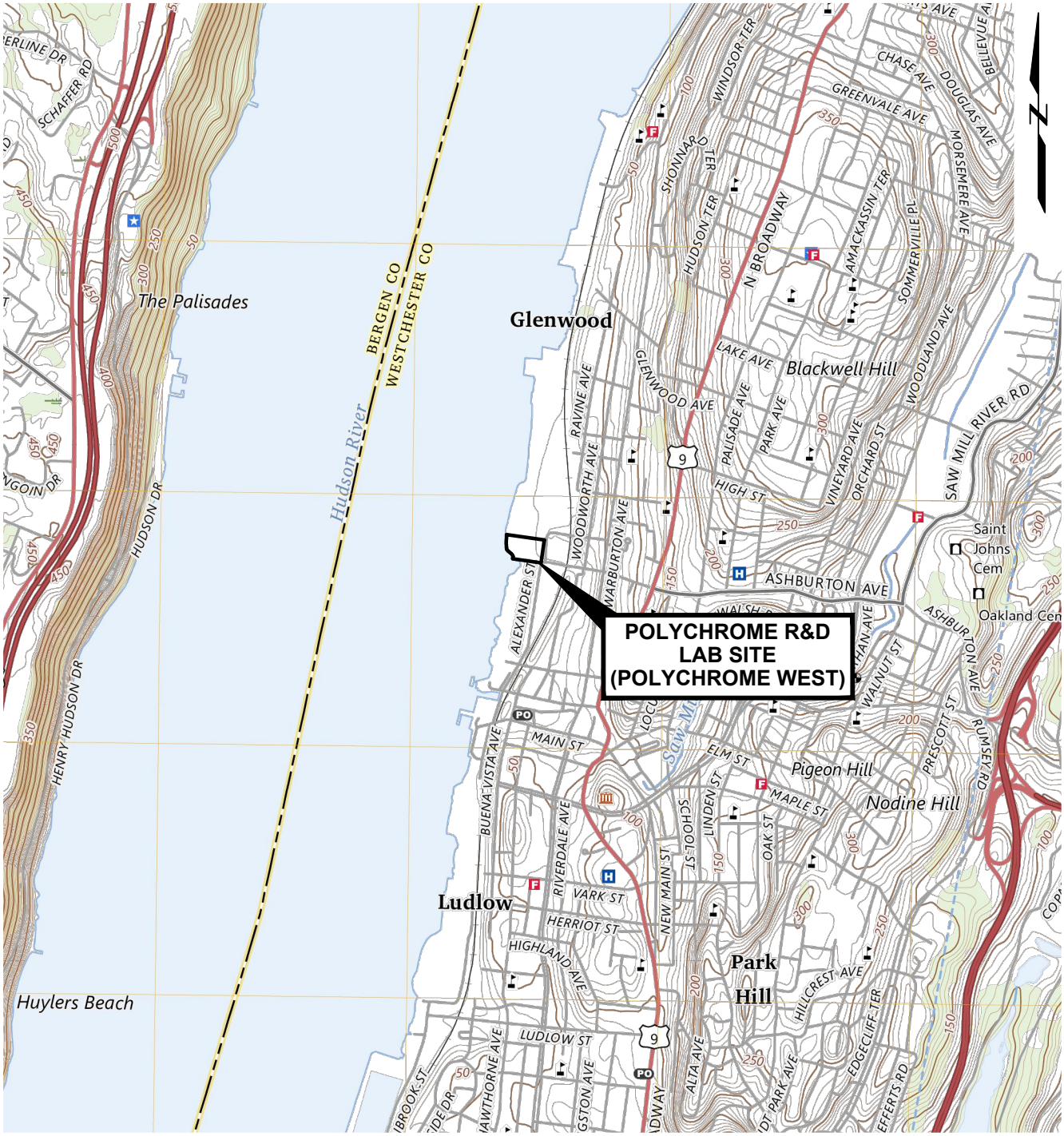
Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2024 DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA							**0.00**
NW-3	NA	NA	NA	NA	NA	NA							**0.00**
NW-4	NA	NA	NA	NA	NA	NA							**0.00**
NW-5	**40.0**	**5.0**	**11.5**	**7.5**	**10.0**	**9.50**							**83.50**
NW-6	**45.0**	**10.0**	**7.0**	NA	**9.5**	**10.0**							**81.50**
NW-7	NA	NA	NA	NA	NA	NA							**0.00**
NW-8	**2.0**	NA	**4.0**	**3.0**	NA	**2.50**							**11.50**
NW-9	NA	NA	NA	NA	NA	NA							**0.00**
NW-10	**4.5**	**4.0**	**7.5**	**6.0**	**2.0**	**4.0**							**28.00**
NW-11	NA	NA	**3.0**	NA	**1.5**	NA							**4.50**
NW-12	NA	NA	NA	NA	NA	NA							**0.00**
Event Total	**91.50**	**19.00**	**33.00**	**16.50**	**23.00**	**26.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**209.00**
Date Generated	1/3/2024, 1/4/2024, 1/17/2024, 1/31/2024	2/14/2024, 2/15/2024, 2/28/2024	3/13/2024, 3/14/2024, 3/27/2024	4/24/2024, 4/25/2024	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024							
Off-Site Disposal Date	1/3/2024, 1/31/2024	2/28/2024	3/27/2024	4/24/2024, 5/9/2024	5/9/2024, 6/6/2024	6/6/2024							
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey							

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

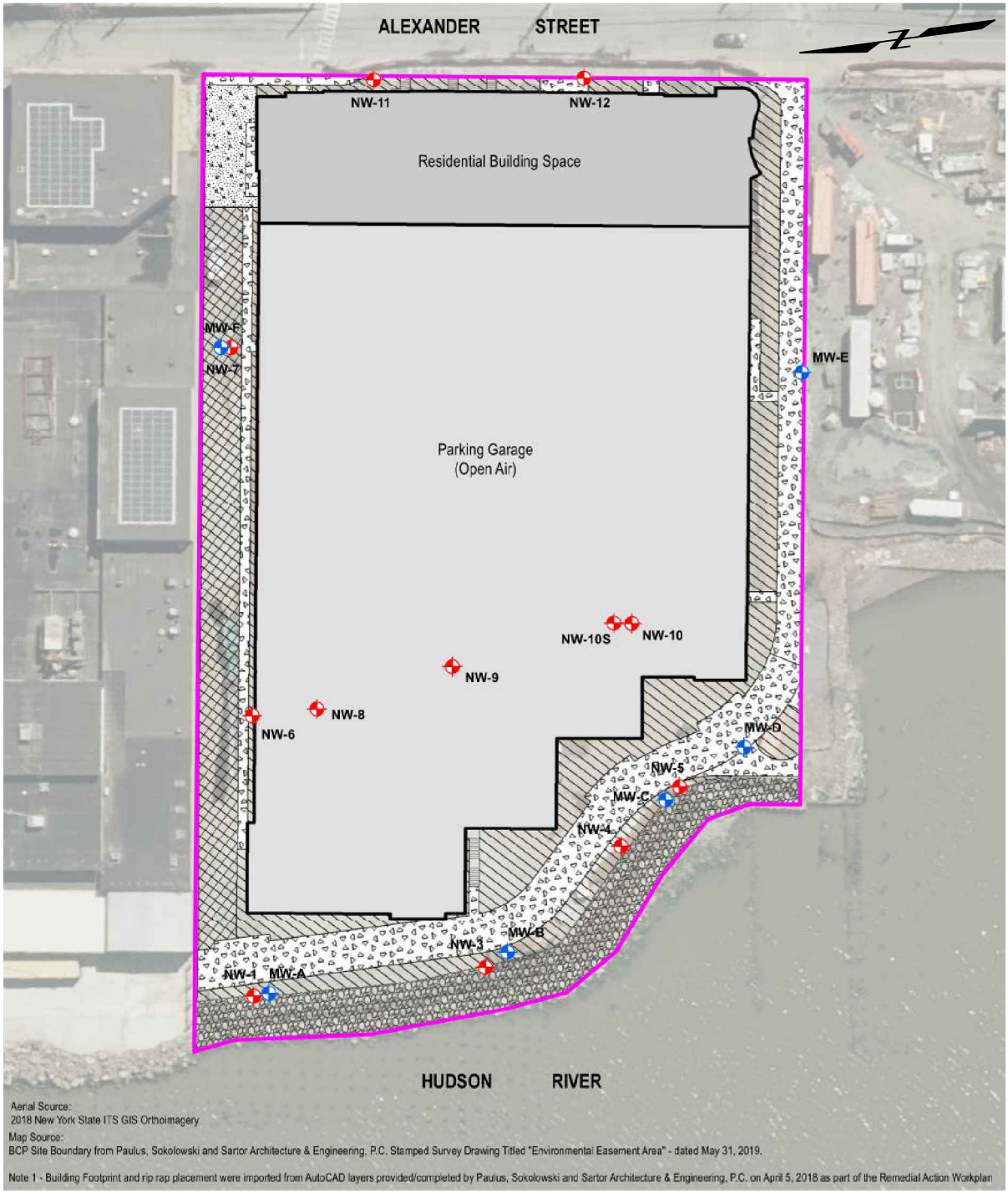


SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	July 2024 Fig. 1

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023



LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 80 160

SCALE: 1" = 80'

Quarterly Progress Report
Polychrome West (PCW)
Yonkers, New York

Consolidated Edison Company of New York, Inc.
Long Island City, New York

GEI Consultants

NAPL RECOVERY AND GROUNDWATER MONITORING WELLS

Project 2201010 | July 2024 | Fig. 2

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023

Attachment A

Waste Disposal Manifests

Please print or type. 2430682 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	018014870 FLE

5. Generator's Name and Mailing Address: Consolidated Edison of NY Inc-Att: Melissa Felter
212-580-8383
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 718-204-4100

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.-CENJ — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
U.S. EPA ID Number: NJD991291105
Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	2 1	DM	10	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	2 1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz. ER Provider Melissa Felter Order#: 2430682 - Note:
(2) ERG#171: 2230800135 - Purged NAPL and

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month 4 Day 24 Year 24

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chris Ifelli — Signature — Month 4 Day 24 Year 24
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Peter Lange — Signature — Month 4 Day 26 Year 24

2435085

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606080717	018008442 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att: Melissa Felter
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name
WT Transport Inc

U.S. EPA ID Number
NJR986628162

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004

U.S. EPA ID Number
NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	75	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz. ER Provider Melissa Felter Order#: 2435085 - Note:

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jaime Rivera
Signature: Jaime Rivera
Month 5 Day 9 Year 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella
Signature:
Month 5 Day 9 Year 24
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Received Pending Manifest Review/Quality Control Date
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Peter Lange
Signature:
Month 5 Day 13 Year 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

2581636

Please print or type

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	018007942 FLE

GENERATOR

5. Generator's Name and Mailing Address: Consolidated Edison of NY Inc-Att: Melissa Felter
212-580-8383
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone:

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	13	DM	250	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz. ER Provider Melissa Felter Order#: 2581636 - Note:
(2) ERG#171: 2230800135 - Purged NAPL and

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jaime Rivera — Signature: Jaime Rivera — Month: 6 Day: 6 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Adam Mella — Signature: — Month: 6 Day: 6 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Received Pending Manifest Review/Quality Control Data
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H141	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Attachment B

Historic Well Gauging Measurements

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
				5.86	ND	11.16	NA	NA	
	1/7/1900	1:12 PM	42	5.96	ND	11.20	NA	NA	
	11/4/2020	4:19 AM	14.5	6.42	ND	11.21	NA	NA	
	1/0/1900	7:12 PM	2.2	5.82	ND	11.28	NA	NA	
	1/0/1900	ND	ND	3.20	ND	11.17	NA	NA	
	1/1/1900	1:12 AM	4.79	5.75	ND	11.19	NA	NA	
	1/0/1900	12:43 PM	2.5	4.96	ND	11.18	NA	NA	
	1/13/2021	7:30 AM	ND	5.18	ND	11.16	NA	NA	
	1/27/2021	8:15 AM	ND	4.25	ND	11.33	NA	NA	
	2/8/2021	9:00 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:10 AM	ND	4.91	ND	11.28	NA	NA	
	3/10/2021	8:15 AM	ND	5.28	ND	11.25	NA	NA	
MW-A	3/24/2021	8:02 AM	ND	4.91	ND	11.19	NA	NA	
	4/7/2021	8:30 AM	ND	4.27	ND	11.18	NA	NA	
	4/21/2021	9:10 AM	ND	5.17	ND	11.15	NA	NA	
	5/5/2021	8:30 AM	ND	4.40	ND	11.19	NA	NA	
	5/17/2021	8:30 AM	ND	5.92	ND	11.18	NA	NA	
	6/2/2021	8:09 AM	ND	5.39	ND	11.19	NA	NA	
	6/16/2021	8:50 AM	ND	5.79	ND	11.32	NA	NA	
	6/30/2021	8:33 AM	ND	5.95	ND	11.25	NA	NA	
	6/16/2021	8:50 AM	ND	5.79	ND	11.32	NA	NA	
	6/30/2021	8:33 AM	ND	5.95	ND	11.25	NA	NA	
	7/14/2021	8:10 AM	ND	5.72	ND	11.24	NA	NA	
	7/27/2021	7:57 AM	ND	5.67	ND	11.21	NA	NA	
	12/21/2021	10:00 AM	ND	4.74	ND	11.56	NA	NA	
	10/7/2020	9:20 AM	ND	9.10	ND	12.68	NA	NA	
	10/21/2020	8:15 AM	ND	9.22	ND	12.70	NA	NA	
	11/4/2020	6:00 AM	ND	9.54	ND	12.89	NA	NA	
	11/18/2020	9:45 AM	ND	9.08	ND	13.03	NA	NA	
	12/1/2020	8:30 AM	ND	7.25	ND	12.78	NA	NA	
	12/16/2020	8:05 AM	ND	9.18	ND	12.75	NA	NA	
	12/29/2020	8:10 AM	ND	8.25	ND	12.78	NA	NA	
	12/16/2020	8:05 AM	ND	9.18	ND	12.75	NA	NA	
	12/29/2020	8:10 AM	ND	8.25	ND	12.78	NA	NA	
	1/13/2021	7:35 AM	ND	8.17	ND	12.72	NA	NA	
	1/27/2021	8:10 AM	ND	7.98	ND	12.92	NA	NA	
	2/8/2021	8:50 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:05 AM	ND	8.24	ND	12.81	NA	NA	
MW-B	3/10/2021	8:25 AM	ND	8.27	ND	12.82	NA	NA	
	3/24/2021	8:07 AM	ND	8.14	ND	12.74	NA	NA	
	4/7/2021	8:35 AM	ND	7.81	ND	12.77	NA	NA	
	4/21/2021	9:15 AM	ND	8.28	ND	12.76	NA	NA	
	5/5/2021	8:35 AM	ND	7.59	ND	12.72	NA	NA	
	5/17/2021	8:35 AM	ND	9.14	ND	12.72	NA	NA	
	6/2/2021	8:14 AM	ND	8.15	ND	12.73	NA	NA	
	6/16/2021	8:55 AM	ND	9.08	ND	12.85	NA	NA	
	6/30/2021	8:30 AM	ND	9.19	ND	12.81	NA	NA	
	7/14/2021	8:15 AM	ND	9.13	ND	12.81	NA	NA	
	7/27/2021	7:54 AM	ND	9.17	ND	12.86	NA	NA	
	7/14/2021	8:15 AM	ND	9.13	ND	12.81	NA	NA	
	7/27/2021	7:54 AM	ND	9.17	ND	12.86	NA	NA	
	12/21/2021	10:33 AM	ND	8.05	ND	12.86	NA	NA	
	10/7/2020	9:25 AM	ND	8.39	ND	12.83	NA	NA	
	10/21/2020	8:12 AM	ND	8.43	ND	12.47	NA	NA	
	11/4/2020	6:05 AM	ND	8.50	ND	12.59	NA	NA	
	11/18/2020	9:50 AM	ND	7.87	ND	12.35	NA	NA	
	12/1/2020	8:35 AM	ND	5.89	ND	12.37	NA	NA	
	12/16/2020	8:00 AM	ND	7.80	ND	12.31	NA	NA	
	12/29/2020	8:05 AM	ND	7.19	ND	12.42	NA	NA	
	1/13/2021	7:30 AM	ND	7.31	ND	12.49	NA	NA	
	1/27/2021	8:05 AM	ND	6.85	ND	12.54	NA	NA	
	2/8/2021	8:40 AM	ND	7.24	ND	12.50	NA	NA	
	2/24/2021	8:00 AM	ND	7.20	ND	12.45	NA	NA	
	3/10/2021	8:30 AM	ND	7.31	ND	12.43	NA	NA	
	3/24/2021	8:10 AM	ND	7.21	ND	12.35	NA	NA	
MW-C	3/10/2021	8:30 AM	ND	7.31	ND	12.43	NA	NA	
	3/24/2021	8:10 AM	ND	7.21	ND	12.35	NA	NA	
	4/7/2021	8:40 AM	ND	6.11	ND	12.36	NA	NA	
	4/21/2021	9:20 AM	ND	7.41	ND	12.36	NA	NA	
	5/5/2021	8:40 AM	ND	6.71	ND	12.36	NA	NA	
	5/17/2021	8:40 AM	ND	8.30	ND	12.30	NA	NA	
	6/2/2021	8:20 AM	ND	7.73	ND	12.31	NA	NA	
	6/16/2021	8:58 AM	ND	8.37	ND	12.56	NA	NA	
	6/30/2021	8:25 AM	ND	7.40	ND	12.40	NA	NA	
	7/14/2021	8:20 AM	ND	8.10	ND	12.41	NA	NA	
	6/30/2021	8:25 AM	ND	7.40	ND	12.40	NA	NA	
	7/14/2021	8:20 AM	ND	8.10	ND	12.41	NA	NA	
	7/27/2021	7:51 AM	ND	8.29	ND	12.64	NA	NA	
	12/21/2021	11:50 AM	ND	6.99	ND	12.55	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
MW-D	10/7/2020	9:35 AM	ND	8.60	ND	15.95	NA	NA	
	10/21/2020	8:10 AM	ND	8.45	ND	15.83	NA	NA	
	11/4/2020	6:10 AM	ND	9.27	ND	16.02	NA	NA	
	11/18/2020	9:55 AM	ND	8.93	ND	16.18	NA	NA	
	12/1/2020	8:40 AM	ND	7.86	ND	15.94	NA	NA	
	12/16/2020	7:55 AM	ND	8.91	ND	15.86	NA	NA	
	12/29/2020	8:00 AM	ND	8.75	ND	15.91	NA	NA	
	1/13/2021	7:55 AM	ND	8.92	ND	15.96	NA	NA	
	1/27/2021	8:00 AM	ND	8.65	ND	16.02	NA	NA	
	1/13/2021	7:55 AM	ND	8.92	ND	15.96	NA	NA	
	1/27/2021	8:00 AM	ND	8.65	ND	16.02	NA	NA	
	2/8/2021	8:30 AM	ND	8.72	ND	15.92	NA	NA	
	2/24/2021	7:50 AM	ND	8.61	ND	15.93	NA	NA	
	3/10/2021	8:40 AM	ND	9.06	ND	15.96	NA	NA	
	3/24/2021	8:12 AM	ND	8.87	ND	15.92	NA	NA	
	4/7/2021	8:45 AM	ND	8.42	ND	15.90	NA	NA	
	4/21/2021	9:25 AM	ND	8.32	ND	15.87	NA	NA	
	5/5/2021	8:45 AM	ND	7.96	ND	15.83	NA	NA	
	5/17/2021	8:45 AM	ND	8.69	ND	15.83	NA	NA	
	6/2/2021	8:25 AM	ND	8.31	ND	15.84	NA	NA	
	6/16/2021	9:01 AM	ND	8.40	ND	16.01	NA	NA	
	6/2/2021	8:25 AM	ND	8.31	ND	15.84	NA	NA	
	6/16/2021	9:01 AM	ND	8.40	ND	16.01	NA	NA	
	6/30/2021	8:20 AM	ND	8.86	ND	15.96	NA	NA	
	7/14/2021	8:25 AM	ND	8.21	ND	15.91	NA	NA	
	7/27/2021	7:48 AM	ND	8.15	ND	15.98	NA	NA	
	12/23/2021	7:50 AM	ND	8.80	ND	16.30	NA	NA	
MW-E	10/7/2020	9:40 AM	ND	8.72	ND	12.70	NA	NA	
	10/21/2020	8:05 AM	ND	8.97	ND	12.75	NA	NA	
	11/4/2020	6:15 AM	ND	9.15	ND	12.63	NA	NA	
	11/18/2020	10:00 AM	ND	8.54	ND	12.59	NA	NA	
	12/1/2020	8:45 AM	ND	7.39	ND	12.67	NA	NA	
	12/16/2020	7:50 AM	ND	8.81	ND	12.51	NA	NA	
	12/1/2020	8:45 AM	ND	7.39	ND	12.67	NA	NA	
	12/16/2020	7:50 AM	ND	8.81	ND	12.51	NA	NA	
	12/29/2020	7:55 AM	ND	8.27	ND	12.53	NA	NA	
	1/13/2021	8:00 AM	ND	8.64	ND	12.72	NA	NA	
	1/27/2021	7:45 AM	ND	7.98	ND	12.67	NA	NA	
	2/8/2021	8:20 AM	ND	8.11	ND	12.53	NA	NA	
	2/24/2021	7:45 AM	ND	7.90	ND	12.57	NA	NA	
	3/10/2021	8:45 AM	ND	8.39	ND	12.57	NA	NA	
	3/24/2021	8:14 AM	ND	8.11	ND	12.71	NA	NA	
	4/7/2021	8:50 AM	ND	7.77	ND	12.51	NA	NA	
	4/21/2021	9:30 AM	ND	8.06	ND	12.51	NA	NA	
	5/5/2021	8:50 AM	ND	7.54	ND	12.68	NA	NA	
	4/21/2021	9:30 AM	ND	8.06	ND	12.51	NA	NA	
	5/5/2021	8:50 AM	ND	7.54	ND	12.68	NA	NA	
	5/17/2021	8:50 AM	ND	9.06	ND	12.70	NA	NA	
	6/2/2021	8:30 AM	ND	8.70	ND	12.63	NA	NA	
	6/16/2021	9:05 AM	ND	9.08	ND	12.59	NA	NA	
	6/30/2021	8:15 AM	ND	9.14	ND	12.70	NA	NA	
	7/14/2021	8:00 AM	ND	8.96	ND	12.55	NA	NA	
	7/27/2021	7:46 AM	ND	8.89	ND	12.72	NA	NA	
	12/23/2021	9:50 AM	ND	8.91	ND	12.78	NA	NA	
MW-F	10/7/2020	8:45 AM	ND	9.39	ND	17.61	NA	NA	
	10/21/2020	9:00 AM	ND	9.16	ND	17.65	NA	NA	
	11/4/2020	6:25 AM	ND	9.25	ND	17.73	NA	NA	
	11/18/2020	9:35 AM	ND	9.41	ND	18.19	NA	NA	
	11/4/2020	6:25 AM	ND	9.25	ND	17.73	NA	NA	
	11/18/2020	9:35 AM	ND	9.41	ND	18.19	NA	NA	
	12/1/2020	8:20 AM	ND	9.14	ND	17.69	NA	NA	
	12/16/2020	8:15 AM	ND	9.53	ND	17.57	NA	NA	
	12/29/2020	8:20 AM	ND	9.29	ND	17.68	NA	NA	
	1/13/2021	7:25 AM	ND	9.55	ND	17.96	NA	NA	
	1/27/2021	8:20 AM	ND	9.77	ND	17.75	NA	NA	
	2/8/2021	9:05 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:15 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	8:50 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/24/2021	8:19 AM	ND	9.45	ND	17.60	NA	NA	
	4/7/2021	8:55 AM	ND	9.20	ND	17.67	NA	NA	
	3/24/2021	8:19 AM	ND	9.45	ND	17.60	NA	NA	Innaccessible due to snow coverage
	4/7/2021	8:55 AM	ND	9.20	ND	17.67	NA	NA	
	4/21/2021	8:55 AM	ND	9.08	ND	17.65	NA	NA	
	5/5/2021	9:00 AM	ND	9.05	ND	17.58	NA	NA	
	5/17/2021	8:55 AM	ND	9.51	ND	17.58	NA	NA	
	6/2/2021	8:05 AM	ND	8.90	ND	17.60	NA	NA	
	6/16/2021	8:00 AM	ND	9.02	ND	17.69	NA	NA	
	6/30/2021	8:37 AM	ND	9.47	ND	17.69	NA	NA	
	7/14/2021	8:05 AM	ND	8.69	ND	17.65	NA	NA	
	7/27/2021	8:01 AM	ND	8.58	ND	17.69	NA	NA	
	12/21/2021	8:27 AM	ND	10.86	ND	17.70	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-1	10/7/2020	9:05 AM	ND	7.68	ND	20.31	NA	NA	
	10/21/2020	9:05 AM	ND	7.77	ND	20.42	NA	NA	
	11/4/2020	6:55 AM	ND	8.12	ND	20.42	NA	NA	
	11/18/2020	10:20 AM	ND	7.74	ND	21.25	NA	NA	
	12/1/2020	9:30 AM	ND	5.02	ND	20.28	NA	NA	
	12/16/2020	9:15 AM	ND	7.40	ND	20.34	NA	NA	
	12/29/2020	9:15 AM	ND	6.81	ND	20.34	NA	NA	
	1/13/2021	8:40 AM	ND	6.67	ND	20.36	NA	NA	
	1/27/2021	9:05 AM	ND	6.02	ND	20.39	NA	NA	
	2/8/2021	9:15 AM	ND	6.93	ND	20.45	NA	NA	
	2/24/2021	9:15 AM	ND	6.81	ND	26.47	NA	NA	
	3/10/2021	10:15 AM	ND	7.19	ND	26.39	NA	NA	
	3/24/2021	9:08 AM	ND	6.95	ND	20.43	NA	NA	
	4/7/2021	9:00 AM	ND	6.34	ND	20.33	NA	NA	
	4/21/2021	9:00 AM	ND	7.30	ND	20.34	NA	NA	
	5/5/2021	9:45 AM	ND	6.70	ND	20.33	NA	NA	
	5/17/2021	9:20 AM	ND	7.74	ND	20.34	NA	NA	
	6/2/2021	9:19 AM	ND	7.43	ND	20.31	NA	NA	
	6/16/2021	9:43 AM	ND	7.61	ND	20.43	NA	NA	
	6/30/2021	9:00 AM	ND	7.89	ND	20.40	NA	NA	
	7/14/2021	9:00 AM	ND	7.46	ND	20.41	NA	NA	
	7/27/2021	8:43 AM	ND	7.40	ND	20.41	NA	NA	
	8/11/2021	11:05 AM	ND	6.75	ND	20.42	NA	NA	
	8/23/2021	9:50 AM	ND	5.15	ND	20.44	NA	NA	
	9/8/2021	8:37 AM	ND	6.95	ND	20.43	NA	NA	
	9/21/2021	10:05 AM	ND	5.93	ND	20.48	NA	NA	
	10/7/2021	10:03 AM	ND	5.66	ND	20.36	NA	NA	
	10/20/2021	7:45 AM	ND	7.37	ND	20.34	NA	NA	
	11/4/2021	10:20 AM	ND	5.16	ND	20.45	NA	NA	
	11/17/2021	7:45 AM	ND	6.53	ND	20.47	NA	NA	
	12/1/2021	9:55 AM	ND	7.43	ND	20.41	NA	NA	
	12/14/2021	8:20 AM	ND	7.90	ND	20.41	NA	NA	
	12/28/2021	10:30 AM	ND	7.21	ND	20.40	NA	NA	
	1/13/2022	9:20 AM	ND	7.82	ND	20.41	NA	NA	
	1/27/2022	9:30 AM	ND	7.77	ND	20.41	NA	NA	
	2/7/2022	8:30 AM	ND	7.78	ND	20.38	NA	NA	
	2/24/2022	8:15 AM	ND	7.65	ND	20.41	NA	NA	
	3/17/2022	10:45 AM	ND	6.08	ND	20.38	NA	NA	
	3/28/2022	11:45 AM	ND	7.65	ND	20.35	NA	NA	
	4/13/2022	11:11 AM	ND	7.10	ND	20.47	NA	NA	
	4/29/2022	10:45 AM	ND	8.02	ND	21.40	NA	NA	
	5/12/2022	11:50 AM	ND	7.15	ND	20.41	NA	NA	
	5/25/2022	11:00 AM	ND	7.21	ND	20.34	NA	NA	
	6/9/2022	12:00 PM	ND	7.32	ND	20.35	NA	NA	
	6/23/2022	10:44 AM	ND	7.28	ND	20.65	NA	NA	
	7/7/2022	1:58 PM	ND	7.40	ND	20.31	NA	NA	
	7/22/2022	9:22 AM	ND	7.28	ND	20.58	NA	NA	
	8/4/2022	11:07 AM	ND	7.69	ND	20.52	NA	NA	
	8/18/2022	11:35 AM	ND	7.48	ND	20.35	NA	NA	
	9/2/2022	11:35 AM	ND	6.52	ND	20.28	NA	NA	
	10/27/2022	10:30 AM	ND	6.63	ND	20.33	NA	NA	
	3/2/2023	12:25 PM	ND	6.83	ND	20.34	NA	NA	
	4/12/2023	2:15 PM	ND	7.58	ND	20.30	NA	NA	
	4/25/2024	11:00 AM	ND	6.39	ND	20.35	NA	NA	
	10/7/2020	11:05 AM	ND	7.46	ND	33.05	NA	NA	
	10/21/2020	9:15 AM	ND	8.06	ND	33.22	NA	NA	
	11/4/2020	7:05 AM	ND	8.42	ND	33.15	NA	NA	
	11/18/2020	10:30 AM	ND	7.94	ND	34.24	NA	NA	
	12/1/2020	9:35 AM	ND	6.05	ND	33.06	NA	NA	
	12/16/2020	9:20 AM	ND	7.66	ND	32.98	NA	NA	
	12/29/2020	9:20 AM	ND	6.96	ND	32.32	NA	NA	
	1/13/2021	8:45 AM	ND	6.99	ND	33.30	NA	NA	
	1/27/2021	9:10 AM	ND	6.67	ND	33.09	NA	NA	
	2/8/2021	9:25 AM	ND	7.09	ND	33.11	NA	NA	
	2/24/2021	9:20 AM	ND	7.09	ND	33.11	NA	NA	
	3/10/2021	10:20 AM	ND	7.28	ND	33.67	NA	NA	
	3/24/2021	9:13 AM	ND	7.01	ND	32.98	NA	NA	
	4/7/2021	9:05 AM	ND	6.57	ND	33.04	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-3	4/21/2021	9:10 AM	ND	7.20	ND	33.05	NA	NA	
	5/5/2021	9:55 AM	ND	6.63	ND	33.04	NA	NA	
	5/17/2021	9:25 AM	ND	7.99	ND	33.00	NA	NA	
	6/2/2021	9:25 AM	ND	7.42	ND	33.00	NA	NA	
	6/16/2021	9:48 AM	ND	7.73	ND	32.96	NA	NA	
	6/30/2021	8:55 AM	ND	7.84	ND	33.05	NA	NA	
	7/14/2021	9:05 AM	ND	7.74	ND	33.03	NA	NA	
	7/27/2021	8:40 AM	ND	7.89	ND	33.06	NA	NA	
	8/11/2021	11:10 AM	ND	7.04	ND	33.10	NA	NA	
	8/23/2021	9:55 AM	ND	5.97	ND	33.04	NA	NA	
	9/8/2021	8:45 AM	ND	7.27	ND	33.10	NA	NA	
	9/21/2021	10:09 AM	ND	6.27	ND	33.08	NA	NA	
	10/7/2021	10:09 AM	ND	6.04	ND	33.09	NA	NA	
	10/20/2021	10:20 AM	ND	6.68	ND	33.03	NA	NA	
	11/4/2021	10:25 AM	ND	5.69	ND	32.99	NA	NA	
	11/17/2021	7:50 AM	ND	6.63	ND	33.05	NA	NA	
	12/1/2021	10:00 AM	ND	7.45	ND	33.04	NA	NA	
	12/14/2021	8:25 AM	ND	7.81	ND	33.02	NA	NA	
	12/28/2021	10:45 AM	ND	7.24	ND	33.02	NA	NA	
	1/13/2022	9:25 AM	ND	7.79	ND	33.01	NA	NA	
	1/27/2022	9:15 AM	ND	7.81	ND	33.00	NA	NA	
	2/7/2022	8:45 AM	ND	7.96	ND	32.99	NA	NA	
	2/24/2022	8:30 AM	ND	7.80	ND	33.01	NA	NA	
	3/17/2022	10:50 AM	ND	6.45	ND	33.25	NA	NA	
	3/28/2022	11:50 AM	ND	7.75	ND	32.95	NA	NA	
	4/13/2022	11:20 AM	ND	6.95	ND	33.25	NA	NA	
	4/29/2022	11:10 AM	ND	7.88	ND	32.96	NA	NA	
	5/12/2022	11:55 AM	ND	6.68	ND	32.93	NA	NA	
	5/25/2022	11:05 AM	ND	7.16	ND	32.91	NA	NA	
	6/9/2022	12:10 PM	ND	7.57	ND	32.92	NA	NA	
	6/23/2022	10:47 AM	ND	7.54	ND	33.32	NA	NA	
	7/7/2022	2:01 PM	ND	7.50	ND	32.92	NA	NA	
	7/22/2022	9:25 AM	ND	7.37	ND	33.20	NA	NA	
	8/4/2022	11:26 AM	ND	8.09	ND	33.3	NA	NA	
	8/18/2022	11:40 AM	ND	7.8	ND	32.95	NA	NA	
	9/2/2022	11:50 AM	ND	7.1	ND	32.86	NA	NA	
	10/27/2022	10:45 AM	ND	6.85	ND	32.71	NA	NA	
	3/2/2023	12:30 AM	ND	6.52	ND	32.91	NA	NA	
	4/12/2023	2:05 PM	ND	8.56	ND	32.76	NA	NA	
	4/25/2024	11:15 AM	ND	6.62	ND	32.98	NA	NA	
NW-4	10/7/2020	11:20 AM	ND	8.73	Trace	43.24	NA	NA	
	10/21/2020	9:45 AM	ND	8.85	ND	43.21	NA	NA	
	11/4/2020	7:35 AM	ND	9.44	ND	43.23	NA	NA	
	11/18/2020	10:40 AM	ND	9.22	ND	44.98	NA	NA	
	12/1/2020	10:20 AM	ND	7.95	ND	43.26	NA	NA	
	12/16/2020	9:40 AM	ND	9.16	ND	43.19	NA	NA	
	12/29/2020	10:20 AM	ND	8.84	ND	42.23	NA	NA	
	1/13/2021	9:35 AM	ND	8.79	ND	43.16	NA	NA	
	1/27/2021	9:40 AM	ND	8.74	ND	43.22	NA	NA	
	2/8/2021	11:00 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	9:45 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	10:30 AM	ND	9.34	Trace	43.55	NA	NA	
	3/24/2021	9:23 AM	ND	8.65	ND	43.29	NA	NA	
	4/7/2021	9:10 AM	ND	8.66	ND	43.16	NA	NA	
	4/21/2021	9:15 AM	ND	8.58	ND	43.17	NA	NA	
	5/5/2021	9:58 AM	ND	8.43	ND	43.20	NA	NA	
	5/17/2021	9:30 AM	ND	9.06	ND	43.19	NA	NA	
	6/2/2021	9:30 AM	ND	8.81	ND	43.11	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-4	6/16/2021	9:52 AM	ND	8.71	ND	43.20	NA	NA	
	6/30/2021	9:35 AM	ND	8.96	ND	43.24	NA	NA	
	7/14/2021	9:35 AM	ND	8.61	ND	43.30	NA	NA	
	7/27/2021	9:15 AM	ND	8.63	ND	43.17	NA	NA	
	8/11/2021	11:25 AM	ND	8.73	ND	43.19	NA	NA	
	8/23/2021	10:20 AM	ND	8.03	ND	43.13	NA	NA	
	9/8/2021	9:42 AM	ND	8.51	ND	43.20	NA	NA	
	9/21/2021	11:20 AM	ND	8.62	ND	43.16	NA	NA	
	10/7/2021	10:15 AM	ND	8.56	ND	43.19	NA	NA	
	10/20/2021	10:30 AM	ND	8.65	ND	43.14	NA	NA	
	11/4/2021	12:45 PM	ND	8.17	ND	43.25	NA	NA	
	11/17/2021	8:50 AM	ND	8.90	ND	43.19	NA	NA	
	12/1/2021	10:05 AM	ND	9.00	ND	43.22	NA	NA	
	12/14/2021	9:00 AM	ND	9.49	ND	43.19	NA	NA	
	12/28/2021	11:00 AM	ND	8.58	ND	43.19	NA	NA	
	1/13/2022	9:30 AM	ND	9.32	ND	43.21	NA	NA	
	1/27/2022	9:42 AM	ND	9.26	ND	43.21	NA	NA	
	2/7/2022	9:00 AM	ND	9.09	ND	43.19	NA	NA	
	2/24/2022	8:40 AM	ND	9.18	ND	43.22	NA	NA	
	3/17/2022	10:57 AM	ND	8.86	ND	43.21	NA	NA	
	3/28/2022	11:55 AM	ND	8.92	ND	43.10	NA	NA	
	4/13/2022	11:30 AM	ND	8.82	ND	43.40	NA	NA	
	4/29/2022	11:55 AM	ND	8.78	ND	43.22	NA	NA	
	5/12/2022	12:00 PM	ND	8.45	ND	43.15	NA	NA	
	5/25/2022	11:10 AM	ND	8.67	ND	43.12	NA	NA	
	6/9/2022	12:20 PM	ND	8.31	ND	43.10	NA	NA	
	6/23/2022	10:51 AM	ND	8.60	ND	43.53	NA	NA	
	7/7/2022	2:05 PM	ND	8.96	ND	43.15	NA	NA	
	7/22/2022	9:30 AM	ND	8.60	ND	43.46	NA	NA	
	8/4/2022	11:37 AM	ND	8.85	ND	43.51	NA	NA	
	8/18/2022	11:50 AM	ND	8.62	43.39	43.44	NA	0.05	
	9/2/2022	11:55 AM	ND	9.02	ND	43.08	NA	Blebs on tape	
	10/27/2022	10:00 AM	ND	9.64	ND	44.54	NA	NA	
	3/2/2023	12:35 PM	ND	8.17	ND	43.19	NA	NA	
	4/12/2023	2:00 PM	ND	8.75	ND	43.15	NA	NA	
	4/25/2024	11:30 AM	ND	8.85	ND	43.20	NA	NA	
	5/22/2024	12:00 PM	ND	8.38	ND	43.30	NA	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**10/7/2020**	12:20 PM	**ND**	**7.89**	**29.62**	**37.50**	**NA**	**7.88**	**Pre-pumping measurement**
	10/14/2020	12:45 PM	**ND**	**8.90**	**ND**	**37.63**	**NA**	**NA**	**Post-pumping measurment ~6 gallons removed**
	10/21/2020	11:00 AM	**ND**	**7.93**	**30.12**	**37.61**	**NA**	**7.49**	**Pre-pumping measurment**
	10/21/2020	11:30 AM	**ND**	**7.93**	**ND**	**38.12**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	11/4/2020	9:00 AM	**ND**	**8.61**	**30.48**	**38.08**	**NA**	**7.60**	**Pre-pumping measurment**
	11/5/2020	9:30 AM	**ND**	**8.60**	**ND**	**38.10**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	11/18/2020	11:40 AM	ND	8.08	29.99	38.02	NA	8.03	
	11/19/2020	9:30 AM	**ND**	**8.06**	**30.06**	**38.02**	**NA**	**7.96**	**Pre-pumping measurment**
	11/19/2020	10:00 AM	**ND**	**8.09**	**ND**	**38.25**	**NA**	**NA**	**Post-pumping measurement ~12 gallons removed**
	12/1/2020	11:15 AM	**ND**	**6.62**	**29.76**	**38.01**	**NA**	**8.25**	**Pre-pumping measurement**
	12/2/2020	9:35 AM	**ND**	**6.60**	**ND**	**38.10**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	12/16/2020	11:20 AM	**ND**	**7.79**	**29.70**	**38.10**	**NA**	**8.40**	**Pre-pumping measurement**
	12/18/2020	10:30 AM	**ND**	**7.52**	**ND**	**37.70**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/29/2020	11:30 AM	ND	7.97	29.60	38.21	NA	8.61	
	12/30/2020	9:45 AM	**ND**	**8.00**	**29.57**	**38.11**	**NA**	**8.54**	**Pre-pumping measurement**
	12/30/2020	10:45 AM	**ND**	**8.01**	**ND**	**38.22**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	1/13/2021	10:30 AM	ND	7.49	29.99	38.21	NA	8.22	
	1/14/2021	8:50 AM	**ND**	**7.87**	**29.98**	**38.21**	**NA**	**8.23**	**Pre-pumping measurement**
	1/14/2021	10:00 AM	**ND**	**8.02**	**ND**	**38.21**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	1/27/2021	10:55 AM	ND	7.58	29.90	38.11	NA	8.21	
	1/28/2021	9:00 AM	**ND**	**7.60**	**29.90**	**38.11**	**NA**	**8.21**	**Pre-pumping measurement**
	1/28/2021	9:30 AM	**ND**	**7.70**	**ND**	**38.11**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	2/8/2021	11:40 AM	ND	8.70	30.00	38.11	NA	8.11	
	2/11/2021	10:30 AM	**ND**	**7.95**	**30.00**	**38.78**	**NA**	**8.78**	**Pre-pumping measurement**
	2/11/2021	11:40 AM	**ND**	**7.97**	**ND**	**38.78**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	2/24/2021	10:30 AM	ND	8.23	29.80	38.78	NA	8.98	
	2/25/2021	8:40 AM	**ND**	**8.23**	**29.80**	**38.76**	**NA**	**8.96**	**Pre-pumping measurement**
	2/25/2021	10:25 AM	**ND**	**8.25**	**ND**	**38.76**	**NA**	**NA**	**Post-pumping measurement ~9 gallons removed**
	3/10/2021	11:50 AM	ND	8.48	29.79	38.50	NA	8.71	
	3/11/2021	9:15 AM	**ND**	**8.14**	**29.98**	**38.50**	**NA**	**8.52**	**Pre-pumping measurement**
	3/11/2021	11:15 AM	**ND**	**8.29**	**ND**	**38.50**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	3/24/2021	10:04 AM	ND	8.26	30.46	38.42	NA	7.96	
	3/25/2021	8:58 AM	**ND**	**7.92**	**30.34**	**38.42**	**NA**	**8.08**	**Pre-pumping measurement**
	3/25/2021	11:20 AM	**ND**	**7.47**	**ND**	**38.72**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	4/7/2021	9:15 AM	ND	8.01	30.30	38.72	NA	8.42	
	4/8/2021	8:15 AM	**ND**	**7.66**	**29.90**	**38.00**	**NA**	**8.10**	**Pre-pumping measurement**
	4/8/2021	11:20 AM	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**No post-pumping measurement. ~330 gallons of water/DNAPL mixture removed, due to possible breaches in the 1-inch internal pipe above the 3-foot well sump.**
	4/21/2021	9:20 AM	ND	8.35	29.80	38.72	NA	8.92	The 1" internal pipe was removed from NW-5 and holes were discovered on the pipe above the 3-foot well sump. No pumping at NW-5 until the 1-inch internal pipe is replaced.
	5/5/2021	12:00 PM	ND	8.20	29.12	37.88	NA	8.76	
	5/6/2021	10:10 AM	**ND**	**7.81**	**29.45**	**37.88**	**NA**	**8.43**	**Pre-pumping measurement**
	5/6/2021	11:40 AM	**ND**	**8.31**	**ND**	**37.88**	**NA**	**NA**	**Post-pumping measurement ~10 gallons removed**
	5/17/2021	11:30 AM	ND	8.67	27.94	37.94	NA	10.00	
	5/20/2021	9:30 AM	**ND**	**8.63**	**27.90**	**37.94**	**NA**	**10.04**	**Pre-pumping measurement**
	5/20/2021	10:30 AM	**ND**	**8.67**	**ND**	**37.94**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	6/2/2021	10:55 AM	ND	8.90	30.20	38.34	NA	8.14	
	6/3/2021	9:00 AM	**ND**	**8.90**	**30.17**	**38.31**	**NA**	**8.14**	**Pre-pumping measurement**
	6/3/2021	9:45 AM	**ND**	**8.93**	**ND**	**38.40**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	6/16/2021	10:52 AM	ND	8.67	29.71	38.34	NA	8.63	
	6/17/2021	8:25 AM	**ND**	**8.66**	**29.70**	**38.34**	**NA**	**8.64**	**Pre-pumping measurement**
	6/17/2021	9:55 AM	**ND**	**8.70**	**ND**	**38.34**	**NA**	**NA**	**Post-pumping measurement ~17 gallons removed**
	6/30/2021	11:00 AM	ND	8.98	29.98	38.65	NA	8.67	
	7/1/2021	8:15 AM	**ND**	**8.80**	**29.98**	**38.65**	**NA**	**8.67**	**Pre-pumping measurement**
	7/1/2021	8:35 AM	**ND**	**8.82**	**ND**	**38.65**	**NA**	**NA**	**Post-pumping measurement ~4.7 gallons removed**
	7/14/2021	10:45 AM	ND	7.95	29.90	38.65	NA	8.75	
	7/15/2021	9:15 AM	**ND**	**8.75**	**29.90**	**38.65**	**NA**	**8.75**	**Pre-pumping measurement**
	7/15/2021	9:55 AM	**ND**	**8.80**	**ND**	**38.65**	**NA**	**NA**	**Post-pumping measurement ~5.95 gallons removed**
	7/27/2021	3:36 AM	ND	7.59	29.80	38.19	NA	8.39	
	7/29/2021	8:45 AM	**ND**	**8.70**	**29.80**	**38.19**	**NA**	**8.39**	**Pre-pumping measurement**
	7/29/2021	9:20 AM	**ND**	**8.75**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~9.35 gallons removed**
	8/11/2021	1:05 PM	ND	7.20	30.30	38.19	NA	7.89	
	8/12/2021	8:35 AM	**ND**	**8.95**	**30.30**	**38.19**	**NA**	**7.89**	**Pre-pumping measurement**
	8/12/2021	9:45 AM	**ND**	**8.97**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~5.95 gallons removed**
	8/23/2021	12:45 PM	ND	5.98	29.60	38.18	NA	8.58	
	8/24/2021	8:10 AM	**ND**	**7.81**	**29.60**	**38.18**	**NA**	**8.58**	**Pre-pumping measurement**
	8/24/2021	8:35 AM	**ND**	**7.82**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6.8 gallons removed**
	9/8/2021	11:35 AM	ND	6.82	30.00	38.18	NA	8.18	
	9/9/2021	8:50 AM	**ND**	**6.81**	**30.00**	**38.18**	**NA**	**8.18**	**Pre-pumping measurement**
	9/9/2021	9:05 AM	**ND**	**6.82**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6.8 gallons removed**
	9/21/2021	12:15 PM	ND	6.98	29.90	38.18	NA	8.28	
	9/23/2021	8:25 AM	**ND**	**8.00**	**29.90**	**38.18**	**NA**	**8.28**	**Pre-pumping measurement**
	9/23/2021	8:45 AM	**ND**	**8.01**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~11 gallons removed**
	10/7/2021	12:45 PM	ND	6.76	30.11	38.18	NA	8.07	
	10/8/2021	8:50 AM	**ND**	**7.81**	**29.99**	**38.18**	**NA**	**8.19**	**Pre-pumping measurement**
	10/8/2021	9:25 AM	**ND**	**7.61**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6.75 gallons removed**
	10/20/2021	11:30 AM	ND	7.40	29.80	38.19	NA	8.39	
	10/21/2021	8:30 AM	**ND**	**7.70**	**29.80**	**38.19**	**NA**	**8.39**	**Pre-pumping measurement**
	10/21/2021	9:05 AM	**ND**	**7.75**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	11/4/2021	1:35 PM	ND	8.15	29.50	38.18	NA	8.68	
	11/5/2021	8:50 AM	**ND**	**7.05**	**30.09**	**38.19**	**NA**	**8.10**	**Pre-pumping measurement**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	**11/5/2021**	9:15 AM	**ND**	**7.12**	**ND**	**38.19**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	11/17/2021	12:25 PM	ND	8.35	29.50	38.18	NA	8.68	
	11/19/2021	10:45 AM	**ND**	**7.86**	**29.50**	**38.18**	**NA**	**8.68**	**Pre-pumping measurement**
	11/19/2021	11:45 AM	**ND**	**7.87**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/1/2021	12:00 PM	ND	9.13	28.86	38.17	NA	9.31	
	12/2/2021	9:05 AM	**ND**	**7.38**	**28.86**	**38.17**	**NA**	**9.31**	**Pre-pumping measurement**
	12/2/2021	9:40 AM	**ND**	**7.39**	**ND**	**38.17**	**NA**	**NA**	**Post-pumping measurement ~3 gallons removed**
	12/14/2021	12:20 PM	ND	9.59	29.20	38.18	NA	8.98	
	12/15/2021	9:30 AM	**ND**	**8.98**	**29.70**	**38.18**	**NA**	**8.48**	**Pre-pumping measurement**
	12/15/2021	10:10 AM	**ND**	**9.01**	**ND**	**38.18**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	12/28/2021	11:!5	ND	8.52	29.70	38.16	NA	8.46	
	12/29/2021	8:00 AM	**ND**	**7.32**	**29.65**	**38.15**	**NA**	**8.50**	**Pre-pumping measurement**
	12/29/2021	8:50 AM	**ND**	**9.06**	**ND**	**38.17**	**NA**	**NA**	**Post-pumping measurement ~445 gallons removed**
	1/13/2022	11:30 AM	ND	9.41	28.16	38.15	NA	9.99	
	1/14/2022	8:30 AM	**ND**	**9.41**	**28.16**	**38.15**	**NA**	**9.99**	**Pre-pumping measurement**
	1/14/2022	9:10 AM	**ND**	**9.32**	**ND**	**38.15**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	1/27/2022	11:30 AM	ND	9.41	28.14	38.15	NA	10.01	
	1/28/2022	9:00 AM	**ND**	**7.71**	**29.71**	**38.15**	**NA**	**8.44**	**Pre-pumping measurement**
	1/28/2022	9:30 AM	**ND**	**9.32**	**ND**	**38.15**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	2/7/2022	9:15 AM	ND	8.48	29.65	38.15	NA	8.50	
	2/9/2022	8:30 AM	**ND**	**8.42**	**29.29**	**38.15**	**NA**	**8.86**	**Pre-pumping measurement**
	2/9/2022	9:30 AM	**ND**	**9.61**	**ND**	**38.15**	**NA**	**NA**	**Post-pumping measurement ~12 gallons removed**
	2/24/2022	8:30 AM	ND	9.31	29.97	38.17	NA	8.20	
	2/25/2022	9:30 AM	**ND**	**9.31**	**29.97**	**38.17**	**NA**	**8.20**	**Pre-pumping measurement**
	2/25/2022	10:15 AM	**ND**	**9.61**	**ND**	**38.17**	**NA**	**NA**	**Post-pumping measurement ~13 gallons removed**
	3/17/2022	11:04 AM	ND	7.65	35.3	37.50	NA	2.2	
	3/18/2022	8:15 AM	**ND**	**7.70**	**29.6**	**38.40**	**NA**	**8.8**	**Pre-pumping measurement**
	3/18/2022	11:45 AM	**ND**	**ND**	**32.3**	**37.50**	**NA**	**6.1**	**Post-pumping measurement ~4 gallons removed**
	3/28/2022	8:17 AM	**ND**	**8.02**	**29.69**	**37.54**	**NA**	**7.75**	**Pre-pumping measurement**
	3/28/2022	3:00 PM	**ND**	**ND**	**30.54**	**37.54**	**NA**	**7.0**	**Post-pumping measurement ~10 gallons removed**
	4/13/2022	7:56 AM	**ND**	**7.90**	**29.7**	**37.50**	**NA**	**7.8**	**Pre-pumping measurement**
	4/13/2022	2:40 PM	**ND**	**7.90**	**34.05**	**37.50**	**NA**	**3.45**	**Post-pumping measurement~21 gallons removed**
	4/28/2022	8:40 AM	**ND**	**8.08**	**29.71**	**37.47**	**NA**	**7.76**	**Pre-pumping measurement**
	4/28/2022	3:00 PM	**ND**	**ND**	**29.79**	**37.54**	**NA**	**7.75**	**Post-pumping measurement ~3 gallons removed. Tubing on pump disloged.**
	5/12/2022	8:10 AM	**ND**	**7.34**	**30.44**	**37.09**	**NA**	**6.65**	**Pre-pumping measurement**
	5/12/2022	14:50:00 PM	**ND**	**ND**	**32.3**	**37.50**	**NA**	**5.2**	**Post-pumping measurement~25 gallons removed**
	5/25/2022	8:25 AM	**ND**	**7.62**	**30.59**	**37.08**	**NA**	**6.49**	**Pre-pumping measurement**
	5/25/2022	3:00 PM	**ND**	**ND**	**30.61**	**37.08**	**NA**	**6.47**	**Post-pumping measurement ~11 gallons removed. Minimal recovery due to pump difficulties**
	6/9/2022	**9:20 AM**	**ND**	**7.61**	**29.63**	**37.10**	**NA**	**7.47**	**Pre-pumping measurement**
	6/9/2022	**2:50 PM**	**ND**	**ND**	**31.48**	**37.10**	**NA**	**5.62**	**Post-pumping measurement ~17 gallons removed**
	6/23/2022	**11:15 AM**	**ND**	**8.37**	**29.62**	**37.17**	**NA**	**7.55**	**Pre-pumping measurement**
	6/23/2022	**11:25 AM**	**ND**	**ND**	**35.1**	**37.17**	**NA**	**2.07**	**Post-pumping measurement ~25 gallons removed**
	7/8/2022	12:36 PM	ND	8.35	31.11	37.34	NA	6.23	Pre-pumping measurement- no pumping completed, equipment malfunction
	7/21/2022	**8:35 AM**	**ND**	**8.12**	**30.0**	**37.30**	**NA**	**7.3**	**Pre-pumping measurement**
	7/21/2022	**12:25 AM**	**ND**	**ND**	**31.8**	**37.30**	**NA**	**5.50**	**Post-pumping measurement ~20 gallons removed**
	8/4/2022	**8:35 AM**	**ND**	**8.81**	**30.80**	**37.3**	**NA**	**6.50**	**Pre-pumping measurement**
	8/5/2022	**2:20 PM**	**ND**	**ND**	**30.87**	**37.3**	**NA**	**6.43**	**Post-pumping measurement ~20 gallons removed**
	8/18/2022	**8:30 AM**	**ND**	**8.34**	**30.27**	**37.2**	**NA**	**6.93**	**Pre-pumping measurement**
	8/18/2022	**2:30 PM**	**ND**	**ND**	**32.49**	**37.2**	**NA**	**4.71**	**Post-pumping measurement ~18 gallons removed**
	9/2/2022	**12:30 PM**	**ND**	**7.89**	**30.95**	**37.35**	**NA**	**6.4**	**Pre-pumping measurement**
	9/2/2022	**2:00 PM**	**ND**	**ND**	**32.15**	**37.35**	**NA**	**5.2**	**Post-pumping measurement ~5 gallons removed**
	9/15/2022	**8:25 AM**	**ND**	**8.62**	**29.52**	**37.37**	**NA**	**7.85**	**Pre-pumping measurement**
	9/15/2022	**10:45 AM**	**ND**	**ND**	**34.56**	**37.37**	**NA**	**2.81**	**Post-pumping measurement ~17 gallons removed**
	9/29/2022	**8:30 AM**	**ND**	**8.75**	**29.57**	**37.38**	**NA**	**7.81**	**Pre-pumping measurement**
	9/29/2022	**2:30 PM**	**ND**	**ND**	**33.34**	**37.38**	**NA**	**4.04**	**Post-pumping measurement ~12 gallons removed**
	10/13/2022	**9:29 AM**	**ND**	**7.82**	**28.77**	**35.57**	**NA**	**6.80**	**Pre-pumping measurement**
	10/13/2022	**10:33 AM**	**ND**	**ND**	**30.92**	**35.57**	**NA**	**4.65**	**Post-pumping measurement ~5 gallons removed**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	10/27/2022	7:40 AM	ND	8.47	29.93	37.34	NA	7.41	Pre-pumping measurement
	10/27/2022	1:15 PM	ND	ND	31.68	37.34	NA	5.66	Post-pumping measurement ~15 gallons removed
	11/10/2022	8:15 AM	ND	7.89	31.31	37.51	NA	6.20	Pre-pumping measurement
	11/10/2022	12:15 PM	ND	ND	32.94	37.51	NA	4.57	Post-pumping measurement ~8 gallons removed
	11/22/022	10:05 AM	ND	8.26	30.78	37.12	NA	6.34	Pre-pumping measurement
	11/22/022	11:00 AM	ND	ND	32.35	37.12	NA	4.77	Post-pumping measurement ~7 gallons removed
	12/8/2022	11:15 AM	ND	7.82	31.28	37.59	NA	6.31	Pre-pumping measurement
	12/8/2022	14:35 PM	ND	ND	31.41	37.59	NA	6.18	Post-pumping measurement ~7 gallons removed
	12/22/2022	11:45 AM	ND	7.78	31.89	37.89	NA	6.00	Pre-pumping measurement
	12/22/2022	14:00PM	ND	ND	31.99	37.89	NA	5.90	Post-pumping measurement ~5 gallons removed
	1/5/2023	8:30 AM	ND	8.21	30.8	37.4	NA	6.6	Pre-pumping measurement
	1/5/2023	8:40 AM	ND	ND	31.49	37.4	NA	5.91	Post-pumping measurement ~13 gallons removed
	1/18/2023	11:15 AM	ND	7.59	30.68	37.3	NA	6.62	Pre-pumping measurement
	1/18/2023	11:25 AM	ND	ND	30.79	37.3	NA	6.51	Post-pumping measurement ~12 gallons removed
	2/2/2023	10:05 AM	ND	7.32	30.13	37.22	NA	7.09	Pre-pumping measurement
	2/2/2023	10:15 AM	ND	ND	31.71	37.22	NA	5.51	Post-pumping measurement ~12 gallons removed
	2/15/2023	10:50 AM	ND	8.25	30.25	37.25	NA	7.00	Pre-pumping measurement
	2/15/2023	11:00 AM	ND	ND	31.28	37.25	NA	5.97	Post-pumping measurement ~15 gallons removed
	3/2/2023	12:00 PM	ND	7.81	29.55	37.3	NA	7.75	Pre-pumping measurement
	3/2/2023	1:35 PM	ND	ND	31.64	37.3	NA	5.66	Post-pumping measurement ~18.6 gallons removed
	3/15/2023	12:05 PM	ND	8.77	29.93	37.43	NA	7.50	Pre-pumping measurement- no pumping completed, equipment malfunction
	3/29/2023	10:00 AM	ND	8.36	30.05	37.28	NA	7.23	Pre-pumping measurement - gauging only
	4/12/2023	1:45 PM	ND	8.31	29.95	37.45	NA	7.50	Pre-pumping measurement - gauging only
	4/26/2023	10:30 AM	ND	8.2	30.70	37.45	NA	6.75	Pre-pumping measurement - gauging only
	5/10/2023	9:45 AM	ND	8.45	29.78	37.35	NA	7.57	Pre-pumping measurement
	5/11/2023	12:00 PM	ND	ND	29.85	37.35	NA	7.50	Post-pumping measurement ~0.5 gallons removed
	5/24/2023	8:50 AM	ND	8.19	29.71	37.31	NA	7.60	Pre-pumping measurement
	5/24/2023	1:15 PM	ND	ND	30.56	37.31	NA	6.75	Post-pumping measurement ~0.6 gallons removed
	6/7/2023	9:00 AM	ND	8.36	30.53	37.28	NA	6.75	Pre-pumping measurement
	6/7/2023	2:00 PM	ND	ND	32.78	37.28	NA	4.50	Post-pumping measurement ~3.7 gallons removed
	6/13/2023	9:15 AM	ND	7.81	30.00	37.25	NA	7.25	Pre-pumping measurement - gauging only
	6/21/2023	11:00 AM	ND	8.14	30.02	37.22	NA	7.20	Pre-pumping measurement
	6/21/2023	1:00 PM	ND	ND	31.41	37.22	NA	5.90	Post-pumping measurement ~2.5 gallons removed
	7/6/2023	9:50 AM	ND	8.20	29.84	37.25	NA	7.41	Pre-pumping measurement
	7/6/2023	12:30 PM	ND	ND	31.15	37.25	NA	6.10	Post-pumping measurement ~2.5 gallons removed
	7/19/2023	10:30 AM	ND	7.63	30.10	37.21	NA	7.11	Pre-pumping measurement
	7/19/2023	11:40 AM	ND	ND	30.21	37.21	NA	7.00	Post-pumping measurement ~0.5 gallons removed
	8/16/2023	11:00 AM	ND	6.62	29.83	37.21	NA	7.38	Pre-pumping measurement
	8/16/2023	1:30 PM	ND	ND	30.18	37.21	NA	7.03	Post-pumping measurement ~0.5 gallons removed
	8/30/2023	12:30 PM	ND	7.11	29.90	37.30	NA	7.40	Pre-pumping measurement - no pumping completed, equipment malfunction
	9/13/2023	9:30 AM	ND	6.98	29.52	37.31	NA	7.79	Pre-pumping measurement
	9/13/2023	1:00 PM	ND	ND	30.35	37.31	NA	6.96	Post-pumping measurement ~1.0 gallons removed
	9/27/2023	11:45 AM	ND	7.42	29.63	37.35	NA	7.72	Pre-pumping measurement
	9/27/2023	2:00 PM	ND	ND	NA	37.35	NA	NA	Post-pumping measurement ~10.0 gallons removed
	10/13/2023	10:40 AM	ND	6.82	29.63	37.31	NA	7.68	Pre-pumping measurement
	10/13/2023	12:50 PM	ND	ND	NA	37.31	NA	NA	Post-pumping measurement ~5.0 gallons removed
	11/7/2023	10:00 AM	ND	7.61	29.79	37.39	NA	7.60	Pre-pumping measurement
	11/7/2023	11:30 AM	ND	ND	NA	37.39	NA	NA	Post-pumping measurement ~10.0 gallons removed
	11/21/2023	11:00 AM	ND	8.58	29.6	37.40	NA	7.80	Pre-pumping measurement
	11/21/2023	11:45 AM	ND	ND	NA	37.40	NA	NA	Post-pumping measurement ~15.0 gallons removed
	12/7/2023	10:55 AM	ND	8.28	30.1	37.35	NA	7.25	Pre-pumping measurement
	12/7/2023	11:30 AM	ND	ND	NA	37.35	NA	NA	Post-pumping measurement ~10.0 gallons removed
	12/20/2023	11:15 AM	ND	8.62	29.9	37.40	NA	7.50	Pre-pumping measurement
	12/20/2023	12:15 AM	ND	ND	NA	37.40	NA	NA	Post-pumping measurement ~10.0 gallons removed
	1/4/2024	10:30 AM	ND	6.60	29.86	37.28	NA	7.42	Pre-pumping measurement
	1/4/2024	11:30 AM	ND	ND	NA	37.28	NA	NA	Post-pumping measurement ~20.0 gallons removed
	1/17/2024	NA	ND	ND	NA	37.28	NA	NA	No more drum space, could not recover.

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-5	1/31/2024	9:55 AM	ND	7.54	29.50	37.30	NA	7.80	Pre-pumping measurement
	1/31/2024	1:00 PM	ND	ND	NA	37.30	NA	NA	Post-pumping measurement ~20.0 gallons removed
	2/15/2024	12:00 PM	ND	7.77	29.90	36.57	NA	6.67	Pump malfunction, could not recover.
	2/28/2024	11:35 AM	ND	8.49	29.70	37.18	NA	7.48	Pre-pumping measurement
	2/28/2024	2:00 PM	ND	ND	29.70	37.18	NA	6.82	Post-pumping measurement ~5.0 gallons removed
	3/14/2024	11:30 AM	ND	7.01	29.48	37.38	NA	7.90	Pre-pumping measurement
	3/14/2024	14:30 PM	ND	ND	32.38	37.38	NA	5.00	Post-pumping measurement ~7.5 gallons removed
	3/27/2024	12:00 PM	ND	7.21	29.97	37.18	NA	6.29	Pre-pumping measurement
	3/27/2024	2:20 PM	ND	ND	31.61	37.18	NA	5.57	Post-pumping measurement ~4.0 gallons removed
	4/25/2024	9:00 AM	ND	8.20	28.75	37.25	NA	8.50	Pre-pumping measurement
	4/25/2024	1:00 PM	ND	ND	31.75	37.25	NA	5.50	Post-pumping measurement ~7.5 gallons removed
	5/9/2024	11:00 AM	ND	8.3	29.48	37.23	NA	7.75	Pre-pumping measurement
	5/9/2024	2:00 PM	ND	ND	31.73	37.23	NA	5.50	Post-pumping measurement ~5 gallons removed
	5/22/2024	11:00 AM	ND	6.81	29.51	37.31	NA	7.80	Pre-pumping measurement
	5/22/2024	2:00 PM	ND	ND	31.81	37.31	NA	5.50	Post-pumping measurement ~5 gallons removed
	6/5/2024	10:00 AM	ND	7.47	31.06	37.31	NA	6.25	Pre-pumping measurement
	6/5/2024	12:30 PM	ND	ND	33.06	37.31	NA	4.25	Post-pumping measurement ~4.5 gallons removed
	6/27/2024	11:15 AM	ND	8.52	29.61	37.21	NA	7.60	Pre-pumping measurement
	6/27/2024	2:00 PM	ND	ND	32.11	37.21	NA	5.10	Post-pumping measurement ~5 gallons removed
NW-6	10/7/2020	12:05 PM	ND	9.01	33.26	38.32	NA	5.06	Pre-pumping measurement
	10/14/2020	8:45 AM	ND	8.55	ND	37.20	NA	ND	Post-pumping measurement ~6 gallons removed
	10/21/2020	10:40 AM	ND	9.00	33.37	38.35	NA	4.98	Pre-pumping measurement
	10/21/2020	12:00 PM	ND	9.00	ND	38.38	NA	NA	Post-pumping measurement ~5 gallons removed
	11/4/2020	8:45 AM	ND	9.66	32.28	36.06	NA	3.78	Pre-pumping measurement
	11/5/2020	10:00 AM	ND	9.64	ND	38.31	NA	NA	Post-pumping measurement ~10 gallons removed
	11/18/2020	11:25 AM	ND	9.16	33.39	38.10	NA	4.71	
	11/19/2020	10:00 AM	ND	9.15	33.43	38.09	NA	4.66	Pre-pumping measurement
	11/19/2020	10:15 AM	ND	9.16	ND	38.14	NA	NA	Post-pumping measurement ~3 gallons removed
	12/1/2020	11:00 AM	ND	7.98	34.41	37.12	NA	2.71	Pre-pumping measurement
	12/2/2020	10:05 AM	ND	8.01	ND	37.12	NA	NA	Post-pumping measurement ~5 gallons removed
	12/16/2020	11:00 AM	ND	9.20	33.20	37.12	NA	3.92	Pre-pumping measurement
	12/18/2020	12:00 PM	ND	8.70	ND	38.35	NA	NA	Post-pumping measurement ~6 gallons removed
	12/29/2020	11:10 AM	ND	8.75	33.35	38.10	NA	4.75	
	12/30/2020	11:15 AM	ND	8.71	33.33	38.10	NA	4.77	Pre-pumping measurement
	12/30/2020	11:45 AM	ND	8.73	ND	38.12	NA	NA	Post-pumping measurement ~5 gallons removed
	1/13/2021	10:15 AM	ND	8.45	33.44	38.10	NA	4.66	
	1/14/2021	8:25 AM	ND	8.87	33.31	38.10	NA	4.79	Pre-pumping measurement
	1/14/2021	8:40 AM	ND	8.92	ND	38.10	NA	NA	Post-pumping measurement ~10 gallons removed
	1/27/2021	11:15 AM	ND	8.63	34.00	38.35	NA	4.35	
	1/28/2021	10:15 AM	ND	8.70	34.00	38.35	NA	4.35	Pre-pumping measurement
	1/28/2021	10:40 AM	ND	8.73	ND	38.37	NA	NA	Post-pumping measurement ~13 gallons removed
	2/8/2021	11:20 AM	ND	7.98	33.95	38.37	NA	4.42	
	2/11/2021	12:05 PM	ND	7.55	33.90	38.38	NA	4.48	Pre-pumping measurement
	2/11/2021	12:20 PM	ND	7.54	ND	38.36	NA	NA	Post-pumping measurement ~5 gallons removed
	2/24/2021	10:20 AM	ND	8.86	33.10	38.36	NA	5.26	
	2/25/2021	10:45 AM	ND	8.80	33.10	38.37	NA	5.27	Pre-pumping measurement
	2/25/2021	10:55 AM	ND	8.82	ND	38.37	NA	NA	Post-pumping measurement ~5 gallons removed
	3/10/2021	11:40 AM	ND	8.48	33.60	38.32	NA	4.72	
	3/11/2021	11:38 AM	ND	8.26	32.80	38.32	NA	5.52	Pre-pumping measurement
	3/11/2021	11:50 AM	ND	9.04	ND	38.35	NA	NA	Post-pumping measurement ~6 gallons removed
	3/24/2021	9:59 AM	ND	8.84	33.04	38.12	NA	5.08	
	3/25/2021	11:27 AM	ND	8.61	32.98	38.10	NA	5.12	Pre-pumping measurement
	3/25/2021	11:43 AM	ND	9.41	ND	38.14	NA	NA	Post-pumping measurement ~7 gallons removed
	4/7/2021	9:15 AM	ND	8.45	33.25	38.15	NA	4.90	
	4/8/2021	12:00 PM	ND	8.45	33.29	38.15	NA	4.86	Pre-pumping measurement
	4/8/2021	12:20 PM	ND	8.54	ND	38.35	NA	NA	Post-pumping measurement ~20 gallons removed
	4/21/2021	9:25 AM	ND	8.59	33.22	38.50	NA	5.28	
	4/22/2021	10:15 AM	ND	8.82	33.01	38.48	NA	5.47	Pre-pumping measurement
	4/22/2021	10:45 AM	ND	8.87	ND	38.45	NA	NA	Post-pumping measurement ~15 gallons removed
	5/5/2021	11:00 AM	ND	8.40	33.41	38.52	NA	5.11	
	5/6/2021	12:45 PM	ND	8.61	33.45	38.50	NA	5.05	No vacuum event performed at NW-6
	5/17/2021	11:00 AM	ND	9.10	31.89	37.99	NA	6.10	
	5/20/2021	10:45 AM	ND	9.11	31.85	38.00	NA	6.15	Pre-pumping measurement
	5/20/2021	11:15 AM	ND	9.14	ND	38.06	NA	NA	Post-pumping measurement ~7 gallons removed
	6/2/2021	10:35 AM	ND	8.75	32.18	38.49	NA	6.31	
	6/3/2021	10:00 AM	ND	8.74	32.16	38.49	NA	6.33	Pre-pumping measurement
	6/3/2021	10:30 AM	ND	8.78	ND	38.49	NA	NA	Post-pumping measurement ~9 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-6	6/16/2021	10:34 AM	ND	8.84	32.50	38.03	NA	5.53	
	6/17/2021	10:10 AM	**ND**	**8.83**	**32.50**	**38.00**	**NA**	**5.50**	**Pre-pumping measurement**
	6/17/2021	10:35 AM	**ND**	**8.84**	**ND**	**38.05**	**NA**	**NA**	**Post-pumping measurement ~17.25 gallons removed**
	6/30/2021	10:35 AM	ND	9.11	33.00	38.10	NA	5.10	
	7/1/2021	8:50 AM	**ND**	**9.18**	**33.00**	**38.10**	**NA**	**5.10**	**Pre-pumping measurement**
	7/1/2021	9:20 AM	**ND**	**9.19**	**ND**	**38.10**	**NA**	**NA**	**Post-pumping measurement ~5.5 gallons removed**
	7/14/2021	10:25 AM	ND	8.45	32.95	37.70	NA	4.75	
	7/15/2021	10:35 AM	**ND**	**8.65**	**32.95**	**37.70**	**NA**	**4.75**	**Pre-pumping measurement**
	7/15/2021	11:05 AM	**ND**	**8.69**	**ND**	**37.70**	**NA**	**NA**	**Post-pumping measurement ~15.3 gallons removed**
	7/27/2021	11:05 AM	ND	8.36	33.05	36.78	NA	3.73	
	7/29/2021	9:45 AM	**ND**	**9.02**	**33.05**	**36.78**	**NA**	**3.73**	**Pre-pumping measurement**
	7/29/2021	10:15 AM	**ND**	**9.09**	**ND**	**36.78**	**NA**	**NA**	**Post-pumping measurement ~18.7 gallons removed**
	8/11/2021	12:50 PM	ND	8.32	33.00	36.77	NA	3.77	
	8/12/2021	11:15 AM	ND	8.70	33.00	37.40	NA	4.40	**No pumping due to stinger maintenance**
	8/23/2021	12:25 PM	ND	7.11	31.55	37.40	NA	5.85	
	8/24/2021	9:30 AM	**ND**	**8.00**	**31.55**	**37.40**	**NA**	**5.85**	**Pre-pumping measurement**
	8/24/2021	9:45 AM	**ND**	**8.01**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~17.9 gallons removed**
	9/8/2021	11:05 AM	ND	7.97	31.80	37.40	NA	5.60	
	9/9/2021	9:25 AM	**ND**	**8.28**	**31.80**	**37.40**	**NA**	**5.60**	**Pre-pumping measurement**
	9/9/2021	9:35 AM	**ND**	**8.31**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~2.6 gallons removed**
	9/21/2021	12:35 PM	ND	8.02	31.70	37.40	NA	5.70	
	9/23/2021	9:30 AM	**ND**	**8.54**	**31.70**	**37.40**	**NA**	**5.70**	**Pre-pumping measurement**
	9/23/2021	9:40 AM	**ND**	**8.55**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~20.4 gallons removed**
	10/7/2021	12:15 PM	ND	7.88	32.01	37.40	NA	5.39	
	10/8/2021	10:06 AM	**ND**	**8.41**	**31.90**	**37.40**	**NA**	**5.50**	**Pre-pumping measurement**
	10/8/2021	10:28 AM	**ND**	**8.85**	**ND**	**37.60**	**NA**	**NA**	**Post-pumping measurement ~22.5 gallons removed**
	10/20/2021	12:10 PM	ND	8.33	32.50	37.41	NA	4.91	
	10/21/2021	10:00 AM	**ND**	**7.30**	**32.50**	**37.41**	**NA**	**4.91**	**Pre-pumping measurement**
	10/21/2021	10:10 AM	**ND**	**7.33**	**ND**	**37.41**	**NA**	**NA**	**Post-pumping measurement ~8 gallons removed**
	11/4/2021	1:25 PM	ND	8.02	32.00	37.40	NA	5.40	
	11/5/2021	9:25 AM	**ND**	**8.75**	**32.11**	**37.41**	**NA**	**5.30**	**Pre-pumping measurement**
	11/5/2021	10:10 AM	**ND**	**8.15**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	11/17/2021	12:10 PM	ND	8.52	32.00	37.40	NA	5.40	
	11/19/2021	12:30 PM	**ND**	**7.78**	**32.00**	**37.40**	**NA**	**5.40**	**Pre-pumping measurement**
	11/19/2021	12:45 PM	**ND**	**7.79**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~8 gallons removed**
	12/1/2021	11:39 AM	ND	9.38	31.98	37.40	NA	5.42	
	12/2/2021	10:10 AM	**ND**	**8.43**	**31.98**	**37.40**	**NA**	**5.42**	**Pre-pumping measurement**
	12/2/2021	10:20 AM	**ND**	**8.44**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	12/14/2021	12:40 PM	ND	9.66	32.20	37.40	NA	5.20	
	12/15/2021	11:00 AM	**ND**	**9.06**	**32.20**	**37.40**	**NA**	**5.20**	**Pre-pumping measurement**
	12/15/2021	11:02 AM	**ND**	**9.08**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/28/2021	11:30 AM	ND	8.79	32.35	37.40	NA	5.05	
	12/29/2021	9:10 AM	**ND**	**8.35**	**32.29**	**37.38**	**NA**	**5.09**	**Pre-pumping measurement**
	12/29/2021	10:05 AM	**ND**	**8.41**	**ND**	**37.40**	**NA**	**NA**	**Post-pumping measurement ~15 gallons removed**
	1/13/2022	10:55 AM	ND	9.45	33.42	37.38	NA	3.96	
	1/14/2022	10:00 AM	**ND**	**9.45**	**33.42**	**37.38**	**NA**	**3.96**	**Pre-pumping measurement**
	1/14/2022	10:15 AM	**ND**	**9.36**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	1/27/2022	11:00 AM	ND	9.41	34.61	37.38	NA	2.77	
	1/28/2022	10:00 AM	**ND**	**9.42**	**34.6**	**37.38**	**NA**	**2.78**	**Pre-pumping measurement**
	1/28/2022	10:30 AM	**ND**	**9.39**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/7/2022	9:30 AM	ND	9.25	33.31	37.38	NA	4.07	
	2/9/2022	11:00 AM	**ND**	**9.21**	**33.01**	**37.38**	**NA**	**4.37**	**Pre-pumping measurement**
	2/9/2022	11:05 AM	**ND**	**9.82**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/24/2022	8:45 AM	ND	9.33	35.61	37.36	NA	1.75	
	2/25/2022	11:30 AM	**ND**	**9.33**	**35.61**	**37.36**	**NA**	**1.75**	**Pre-pumping measurement**
	2/25/2022	12:00 PM	**ND**	**9.82**	**ND**	**37.38**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	3/17/2022	10:31 AM	**ND**	**8.70**	**36.2**	**37.40**	**NA**	**1.2**	**Pre-pumping measurement**

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-6	3/17/2022	2:30 PM	ND	ND	37.02	37.40	NA	0.38	Post-pumping Measurment ~ 2 gallons removed
	3/28/2022	9:25 AM	ND	8.75	30.9	33.20	NA	2.3	Pre-pumping measurement
	3/28/2022	1:30 PM	ND	ND	32.2	33.20	NA	1.0	Post-pumping Measurment ~ 10 gallons removed
	4/13/2022	10:50 AM	ND	8.60	30.55	33.05	NA	2.5	Pre-pumping measurement
	4/14/2022	9:00 AM	ND	ND	33.01	33.35	NA	0.34	Post pumping measurment ~16 gallons removed
	4/28/2022	12:20 PM	ND	8.91	30.82	38.33	NA	7.51	Pre-pumping measurement
	4/28/2022	1:30 PM	ND	ND	33.24	38.33	NA	5.09	Post Pumping Measurment ~ 6 gallons removed
	5/12/2022	11:40 AM	ND	8.65	31.25	37.85	NA	6.6	Pre-pumping measurement
	5/13/2022	11:45 AM	ND	ND	33.28	37.86	NA	4.58	Post pumping measurment ~8.5 gallons removed
	5/25/2022	10:40 AM	ND	8.87	30.98	37.51	NA	6.53	Pre-pumping measurement
	5/25/2022	1:30 PM	ND	ND	33.38	37.72	NA	4.34	Post Pumping Measurment ~ 6.5 gallons removed
	6/9/2022	11:50 AM	ND	8.62	30.9	37.50	NA	6.6	Pre-pumping measurement
	6/9/2022	12:45 PM	ND	ND	33.12	37.50	NA	4.38	Post pumping measurment ~6.5 gallons removed
	6/23/2022	8:45 AM	ND	8.46	31.0	38.18	NA	7.18	Pre-pumping measurement
	6/23/2022	9:30 AM	ND	8.46	34.86	38.18	NA	3.32	Post Pumping Measurment ~8 gallons removed
	7/8/2022	10:35 AM	ND	8.83	30.74	36.96	NA	6.22	Pre-pumping measurement
	7/8/2022	11:05 AM	ND	ND	32.06	36.96	NA	4.9	Post pumping measurment ~2.0 gallons removed
	7/21/2022	8:25 AM	ND	8.36	31.0	37.60	NA	6.6	Pre-pumping measurement
	7/21/2022	9:30 AM	ND	ND	33.08	37.60	NA	4.52	Post Pumping Measurment ~3.0 gallons removed
	8/4/2022	10:40 AM	ND	8.34	29.92	33.35	NA	3.43	Pre-pumping measurement- pumping not completed
	8/5/2022	12:30 PM	ND	ND	30.14	33.35	NA	3.21	Post-pumping measurement- pumping not completed
	8/18/2022	11:25 AM	ND	8.64	30.82	37.22	NA	6.4	Pre-pumping measurement
	8/19/2022	9:30 AM	ND	ND	33.4	37.22	NA	3.82	Post Pumping Measurment ~21 gallons removed
	9/1/2022	10:00 AM	ND	ND	27.2	32.87	NA	5.65	Pre-pumping measurement
	9/1/2022	10:50 AM	ND	ND	28.13	32.87	NA	4.74	Post Pumping Measurment ~5 gallons removed
	9/15/2022	11:40 AM	ND	8.51	31.65	37.22	NA	5.57	Pre-pumping measurement
	9/15/2022	2:00 PM	ND	ND	32.9	37.22	NA	4.32	Post Pumping Measurment ~12 gallons removed
	9/30/2022	9:00 AM	ND	8.86	31.12	37.32	NA	6.2	Pre-pumping measurement
	9/30/2022	2:00 PM	ND	ND	33.07	37.32	NA	4.25	Post Pumping Measurment ~16 gallons removed
	10/12/2022	10:57 AM	ND	8.73	33.1	36.00	NA	2.9	Pre-pumping measurement
	10/12/2022	11:14 PM	ND	ND	33.8	36.00	NA	2.2	Post Pumping Measurment ~2 gallons removed
	10/26/2022	8:30 AM	ND	8.25	32.71	37.92	NA	5.21	Pre-pumping measurement
	10/26/2022	9:30 AM	ND	ND	34.01	37.92	NA	3.91	Post Pumping Measurment ~8 gallons removed
	11/9/2022	10:40 AM	ND	8.83	31.51	37.42	NA	5.91	Pre-pumping measurement
	11/9/2022	10:50 AM	ND	ND	32.67	37.42	NA	4.75	Post Pumping Measurment ~5 gallons removed
	11/22/2022	8:00 AM	ND	9.39	29.02	33.35	NA	4.33	Pre-pumping measurement
	11/22/2022	8:50 PM	ND	ND	30.08	33.35	NA	3.27	Post Pumping Measurment ~5 gallons removed
	12/8/2022	8:45 AM	ND	8.04	33.19	37.39	NA	4.2	Pre-pumping measurement
	12/8/2022	10:30 AM	ND	ND	34.27	37.39	NA	3.12	Post Pumping Measurment ~6 gallons removed
	12/22/2022	10:00 AM	ND	8.45	31.00	36.95	NA	5.95	Pre-pumping measurement
	12/22/2022	8:50 PM	ND	ND	31.45	36.95	NA	5.50	Post Pumping Measurment ~4 gallons removed
	1/4/2023	9:50 AM	ND	8.61	29.97	33.62	NA	3.65	Pre-pumping measurement
	1/4/2023	10:00 AM	ND	ND	33.58	33.62	NA	0.04	Post Pumping Measurment ~12 gallons removed
	1/18/2023	10:25 AM	ND	9.6	30.56	35.18	NA	4.62	Pre-pumping measurement
	1/18/2023	10:35 AM	ND	ND	32.69	35.18	NA	2.49	Post Pumping Measurment ~8 gallons removed
	2/2/2023	8:00 AM	ND	8.66	28.69	35.14	NA	6.45	Pre-pumping measurement
	2/2/2023	9:45 AM	ND	ND	32.25	35.14	NA	2.89	Post Pumping Measurment ~12 gallons removed
	2/15/2023	9:50 AM	ND	8.75	32.74	37.5	NA	4.76	Pre-pumping measurement
	2/15/2023	10:45 AM	ND	ND	34.86	37.5	NA	2.64	Post Pumping Measurment ~10 gallons removed
	3/1/2023	8:45 AM	ND	8.35	30.75	37.5	NA	6.75	Pre-pumping measurement
	3/1/2023	9:45 AM	ND	ND	35.48	37.5	NA	2.02	Post Pumping Measurment ~10 gallons removed
	3/15/2023	10:15 AM	ND	8.63	30.71	37.31	NA	6.6	Pre-pumping measurement
	3/15/2023	11:25 AM	ND	ND	31.71	37.31	NA	5.6	Post Pumping Measurment ~4.7 gallons removed
	3/29/2023	8:00 AM	ND	8.44	32.44	37.55	NA	5.11	Pre-pumping measurement - gauging only
	4/12/2023	10:00 AM	ND	8.50	31.15	37.15	NA	6.0	Pre-pumping measurement - gauging only
	4/26/2023	10:00 AM	ND	8.67	31.3	36.8	NA	5.5	Pre-pumping measurement - gauging only
	5/10/2023	9:30 AM	ND	8.79	30.98	37.83	NA	6.85	Pre-pumping measurement

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-6	5/11/2023	9:30 AM	ND	ND	35.24	37.83	NA	2.59	Post Pumping Measurment ~4.8 gallons removed
	5/24/2023	8:30 AM	ND	8.98	30.83	37.45	NA	6.62	Pre-pumping measurement
	5/24/2023	10:20 AM	ND	ND	35.15	37.45	NA	2.30	Post Pumping Measurment ~2.8 gallons removed
	5/24/2023	2:30 PM	ND	8.98	34.23	37.45	NA	3.22	Pre-pumping measurement
	5/24/2023	3:00 PM	ND	ND	35.44	37.45	NA	2.01	Post Pumping Measurment ~0.8 gallons removed
	5/25/2023	10:00 AM	ND	9.26	32.79	37.59	NA	4.80	Pre-pumping measurement - gauging only
	6/13/2023	8:30 AM	ND	9.13	31.35	37.95	NA	6.60	Pre-pumping measurement
	6/13/2023	9:45 AM	ND	ND	33.45	37.95	NA	4.50	Post Pumping Measurment ~5.0 gallons removed
	6/21/2023	8:40 AM	ND	8.7	31.87	37.39	NA	5.52	Pre-pumping measurement
	6/21/2023	10:00 AM	ND	ND	33.17	37.39	NA	4.22	Post Pumping Measurment ~4.5 gallons removed
	7/6/2023	8:10 AM	ND	8.69	31.21	37.11	NA	5.90	Pre-pumping measurement
	7/6/2023	9:20 AM	ND	ND	32.05	37.11	NA	5.06	Post Pumping measurement ~4.5 gallons removed
	7/19/2023	9:30 AM	ND	8.39	30.74	36.58	NA	5.84	Pre-pumping measurement
	7/19/2023	10:00 AM	ND	ND	33.32	36.58	NA	3.26	Post Pumping measurement ~5.0 gallons removed
	8/3/2023	8:10 AM	ND	8.99	30.88	37.43	NA	6.55	Pre-pumping measurement - gauging only
	8/16/2023	9:00 AM	ND	8.53	31.19	37.24	NA	6.05	Pre-pumping measurement
	8/16/2023	9:45 AM	ND	ND	32.39	37.24	NA	4.85	Post Pumping Measurment ~5.0 gallons removed
	8/30/2023	10:30 AM	ND	8.17	30.95	37.15	NA	6.20	Pre-pumping measurement
	8/30/2023	11:30 AM	ND	ND	32.85	37.15	NA	4.30	Post Pumping Measurment ~6.0 gallons removed
	9/13/2023	1:30 PM	ND	8.31	31.60	37.70	NA	6.10	Pre-pumping measurement
	9/13/2023	2:00 PM	ND	ND	33.45	37.70	NA	4.25	Post Pumping Measurment ~5.5 gallons removed
	9/27/2023	10:30 AM	ND	8.12	31.77	37.84	NA	6.07	Pre-pumping measurement
	9/27/2023	11:30 AM	ND	ND	33.72	37.84	NA	4.12	Post Pumping Measurment ~5.5 gallons removed
	10/13/2023	8:40 AM	ND	5.68	30.32	36.8	NA	6.48	Pre-pumping measurement - no pumping completed, equipment malfunction
	11/6/2023	9:15 AM	ND	8.41	30.74	36.8	NA	6.06	Pre-pumping measurement
	11/6/2023	9:45 AM	ND	ND	32.59	36.8	NA	4.21	Post-pumping measurement ~5.5 gallons removed
	11/21/2023	9:45 AM	ND	8.78	31.16	36.8	NA	5.64	Pre-pumping measurement - no pumping completed, equipment malfunction
	12/7/2023	9:00 AM	ND	8.8	30.93	36.8	NA	5.87	Pre-pumping measurement
	12/7/2023	9:55 AM	ND	ND	32.13	36.8	NA	4.67	Post-pumping measurement ~5.0 gallons removed
	12/20/2023	9:45 AM	ND	9.77	30.96	36.8	NA	5.84	Pre-pumping measurement
	12/20/2023	10:45 AM	ND	ND	32.31	36.8	NA	4.49	Post-pumping measurement ~5.0 gallons removed
	1/4/2024	9:00 AM	ND	9.01	31.60	36.8	NA	5.20	Pre-pumping measurement
	1/4/2024	9:45 AM	ND	ND	NA	36.8	NA	NA	Post-pumping measurement ~15.0 gallons removed
	1/17/2024	10:10 AM	ND	8.97	31.7	36.8	NA	5.10	Pre-pumping measurement
	1/17/2024	11:00 AM	ND	ND	NA	36.8	NA	NA	Post-pumping measurement ~15.0 gallons removed
	1/31/2024	1:45 PM	ND	8.00	33.76	36.8	NA	5.34	Pre-pumping measurement
	1/31/2024	2:30 PM	ND	ND	NA	36.8	NA	NA	Post-pumping measurement ~15.0 gallons removed
	2/14/2024	12:55 PM	ND	8.68	31.40	36.66	NA	5.26	Pre-pumping measurement
	2/14/2024	2:00 PM	ND	ND	32.66	36.66	NA	4.00	Post-pumping measurement ~5.0 gallons removed
	2/28/2024	9:40 AM	ND	9.40	31.66	36.66	NA	5.00	Pre-pumping measurement
	2/28/2024	11:00 AM	ND	ND	32.66	36.66	NA	4.00	Post-pumping measurement ~5.0 gallons removed
	3/14/2024	8:45 AM	ND	8.75	29.96	36.8	NA	6.84	Pre-pumping measurement
	3/14/2024	11:00 AM	ND	ND	30.36	36.8	NA	6.44	Post-pumping measurement ~2.0 gallons removed
	3/27/2024	9:15 AM	ND	9.32	30.78	36.8	NA	6.02	Pre-pumping measurement
	3/27/2024	10:30 AM	ND	ND	33.24	36.8	NA	3.56	Post-pumping measurement ~5.0 gallons removed
	4/24/2024	8:45 AM	ND	8.54	31.15	36.8	NA	5.65	Tubing malfunction, could not recover.
	5/9/2024	9:00 AM	ND	8.18	30.97	36.82	NA	5.85	Pre-pumping measurement
	5/9/2024	9:45 AM	ND	ND	33.42	36.82	NA	3.40	Post-pumping measurement ~5.0 gallons removed
	5/22/2024	9:30 AM	ND	8.65	31.31	36.8	NA	5.49	Pre-pumping measurement
	5/22/2024	10:00 AM	ND	ND	33.61	36.8	NA	3.19	Post-pumping measurement ~4.5 gallons removed
	6/5/2024	9:00 AM	ND	8.81	30.45	36.8	NA	6.35	Pre-pumping measurement
	6/5/2024	9:45 AM	ND	ND	33.60	36.8	NA	3.20	Post-pumping measurement ~5.5 gallons removed
	6/27/2024	9:15 AM	ND	9.00	31.24	36.8	NA	5.56	Pre-pumping measurement
	6/27/2024	10:00 AM	ND	ND	33.34	36.8	NA	3.46	Post-pumping measurement ~4.5 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-7	10/7/2020	10:55 AM	ND	9.24	ND	22.85	NA	NA	
	10/21/2020	8:55 AM	ND	9.02	ND	23.05	NA	NA	
	11/4/2020	7:15 AM	ND	9.15	ND	22.97	NA	NA	
	11/18/2020	10:25 AM	ND	9.37	ND	23.82	NA	NA	
	12/1/2020	9:25 AM	ND	8.89	ND	22.98	NA	NA	
	12/16/2020	9:10 AM	ND	9.41	ND	22.84	NA	NA	
	12/29/2020	9:25 AM	ND	9.14	ND	22.97	NA	NA	
	1/13/2021	8:35 AM	ND	9.51	ND	22.92	NA	NA	
	1/27/2021	9:00 AM	ND	9.67	ND	22.94	NA	NA	
	2/8/2021	9:10 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:15 AM	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	10:10 AM	ND	9.40	ND	22.95	NA	NA	
	3/24/2021	9:32 AM	ND	9.27	ND	22.96	NA	NA	
	4/7/2021	9:20 AM	ND	9.00	ND	22.90	NA	NA	
	4/21/2021	9:30 AM	ND	8.90	ND	22.89	NA	NA	
	5/5/2021	9:40 AM	ND	8.90	ND	22.86	NA	NA	
	5/17/2021	9:35 AM	ND	9.33	ND	22.89	NA	NA	
	6/2/2021	9:14 AM	ND	8.76	ND	22.85	NA	NA	
	6/16/2021	9:40 AM	ND	8.85	ND	22.97	NA	NA	
	6/30/2021	9:02 AM	ND	9.29	ND	22.93	NA	NA	
	7/14/2021	8:55 AM	ND	8.55	ND	22.89	NA	NA	
	7/27/2021	8:30 AM	ND	8.39	ND	22.92	NA	NA	
	8/11/2021	11:00 AM	ND	9.02	ND	22.90	NA	NA	
	8/23/2021	9:40 AM	ND	7.70	ND	22.90	NA	NA	
	9/8/2021	8:30 AM	ND	8.37	ND	22.93	NA	NA	
	9/21/2021	9:57 AM	ND	8.97	ND	22.95	NA	NA	
	10/7/2021	9:50 AM	ND	8.82	ND	22.93	NA	NA	
	10/20/2021	7:40 AM	ND	8.83	ND	22.94	NA	NA	
	11/4/2021	10:15 AM	ND	8.55	ND	22.91	NA	NA	
	11/17/2021	7:40 AM	ND	8.95	ND	22.91	NA	NA	
	12/1/2021	9:40 AM	ND	9.51	ND	22.92	NA	NA	
	12/14/2021	8:15 AM	ND	9.75	ND	22.90	NA	NA	
	12/28/2021	11:40 AM	ND	9.63	ND	22.91	NA	NA	
	2/7/2022	9:45 AM	ND	9.19	ND	22.90	NA	NA	
	2/24/2022	9:00 AM	ND	9.66	ND	22.88	NA	NA	
	3/17/2022	10:15 AM	ND	9.47	ND	23.00	NA	NA	
	3/28/2022	11:30 AM	ND	9.17	ND	22.50	NA	NA	
	4/13/2022	9:35 AM	ND	8.95	ND	22.95	NA	NA	
	4/29/2022	12:25 AM	ND	9.28	ND	22.58	NA	NA	
	5/12/2022	11:35 AM	ND	8.87	ND	22.80	NA	NA	
	5/25/2022	10:30 AM	ND	9.13	ND	22.77	NA	NA	
	6/9/2022	11:45 AM	ND	8.58	ND	22.75	NA	NA	
	6/23/2022	10:40 AM	ND	9.22	ND	23.22	NA	NA	
	7/7/2022	13:52: PM	ND	9.35	ND	22.47	NA	NA	
	7/22/2022	9:05 AM	ND	8.83	ND	23.15	NA	NA	
	8/4/2022	10:11 AM	ND	9.45	ND	17.63	NA	NA	
	8/18/2022	12:15 PM	ND	9.22	ND	22.82	NA	NA	
	9/1/2022	8:20 AM	ND	9.26	ND	22.72	NA	NA	
	10/27/2022	9:00 AM	ND	9.14	ND	22.78	NA	NA	
	3/2/2023	12:20 PM	ND	9.1	ND	22.81	NA	NA	
	4/12/2023	3:00 PM	ND	9.42	ND	22.91	NA	NA	
	4/25/2024	10:35 AM	ND	9.6	ND	22.87	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-8	10/7/2020	1:40 PM	ND	9.93	35.24	36.24	NA	1.00	Pre-pumping measurment
	10/7/2020	2:30 PM	ND	9.93	ND	36.24	NA	NA	Post-pumping measurement ~1 gallon removed
	10/21/2020	2:30 PM	ND	9.70	35.33	36.23	NA	0.90	Pre-pumping measurment
	10/21/2020	2:45 PM	ND	9.70	ND	36.25	NA	NA	Post-pumping measurement ~0.75 gallon removed
	11/4/2020	9:15 AM	ND	10.75	Trace	38.14	NA	NA	
	11/18/2020	12:50 PM	ND	10.18	35.49	37.54	NA	2.05	Pre-pumping measurment
	11/18/2020	12:50 PM	ND	10.18	ND	37.54	NA	NA	Post-pumping measurement ~2 gallons removed
	12/1/2020	11:55 AM	ND	8.88	35.04	36.32	NA	1.28	Pre-pumping measurment
	12/1/2020	12:30 PM	ND	8.88	ND	36.32	NA	NA	Post-pumping measurement ~1 gallon removed
	12/16/2020	12:45 PM	ND	9.97	35.15	36.30	NA	1.15	Pre-pumping measurment
	12/16/2020	1:15 PM	ND	9.97	ND	36.30	NA	NA	Post-pumping measurement ~1 gallon removed
	12/29/2020	12:00 PM	ND	10.26	35.35	36.28	NA	0.93	Pre-pumping measurment
	12/29/2020	12:15 PM	ND	10.26	ND	36.28	NA	NA	Post-pumping measurement ~0.75 gallon removed
	1/13/2021	12:15 PM	ND	9.80	35.50	36.28	NA	0.78	Pre-pumping measurment
	1/13/2021	12:35 PM	ND	9.82	ND	36.28	NA	NA	Post-pumping measurement ~1 gallon removed
	1/27/2021	12:30 PM	ND	10.01	35.40	36.28	NA	0.88	Pre-pumping measurment
	1/27/2021	12:40 PM	ND	9.92	ND	36.28	NA	NA	Post-pumping measurement ~1 gallon removed
	2/8/2021	12:30 PM	ND	10.80	35.55	36.27	NA	0.72	Pre-pumping measurment
	2/8/2021	12:50 PM	ND	10.80	ND	36.27	NA	NA	Post-pumping measurement ~0.5 gallon removed
	2/24/2021	11:35 AM	ND	10.50	35.50	36.33	NA	0.83	Pre-pumping measurment
	2/24/2021	12:25 PM	ND	10.52	ND	36.33	NA	NA	Post-pumping measurement ~0.5 gallon removed
	3/10/2021	12:30 PM	ND	10.62	35.50	36.28	NA	0.78	Pre-pumping measurement
	3/10/2021	1:00 PM	ND	10.65	ND	36.33	NA	NA	Post-pumping measurement ~0.75 gallon removed
	3/24/2021	12:32 PM	ND	10.42	35.42	36.34	NA	0.92	Pre-pumping measurment
	3/24/2021	1:15 PM	ND	10.52	ND	36.36	NA	NA	Post-pumping measurement ~0.75 gallon removed
	4/7/2021	12:30 PM	ND	10.19	35.56	36.23	NA	0.67	Pre-pumping measurement
	4/7/2021	1:15 PM	ND	10.25	ND	36.23	NA	NA	Post-pumping measurement ~1 gallon removed
	4/21/2021	12:55 PM	ND	10.30	35.74	36.24	NA	0.50	Pre-pumping measurement
	4/21/2021	1:20 PM	ND	10.31	ND	36.29	NA	NA	Post-pumping measurement ~1 gallon removed
	5/5/2021	1:20 PM	ND	10.18	35.81	36.28	NA	0.47	Pre-pumping measurment
	5/5/2021	1:45 PM	ND	10.20	ND	36.26	NA	NA	Post-pumping measurement ~1 gallon removed
	5/17/2021	1:00 PM	ND	10.52	35.39	36.28	NA	0.89	Pre-pumping measurment
	5/17/2021	1:45 PM	ND	10.44	ND	36.28	NA	NA	Post-pumping measurement ~0.75 gallon removed
	6/2/2021	12:10 PM	ND	10.51	35.39	36.28	NA	0.89	Pre-pumping measurment
	6/2/2021	12:40 PM	ND	10.53	ND	36.30	NA	NA	Post-pumping measurement ~0.75 gallon removed
	6/16/2021	1:10 PM	ND	10.24	35.56	36.28	NA	0.72	Pre-pumping measurment
	6/16/2021	1:35 PM	ND	10.19	ND	36.33	NA	NA	Post-pumping measurement ~0.5 gallon removed
	6/30/2021	12:30 PM	ND	10.65	32.49	35.64	NA	3.15	Pre-pumping measurment
	6/30/2021	12:55 PM	ND	10.66	ND	35.67	NA	NA	Post-pumping measurement ~1 gallon removed
	7/14/2021	12:45 PM	ND	9.77	35.70	36.32	NA	0.62	Pre-pumping measurment
	7/14/2021	1:15 PM	ND	9.80	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	7/27/2021	1:10 PM	ND	9.41	35.70	36.32	NA	0.62	Pre-pumping measurment
	7/27/2021	1:40 PM	ND	9.47	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	8/11/2021	1:30 PM	ND	9.55	35.25	36.35	NA	1.10	Pre-pumping measurment
	8/11/2021	2:00 PM	ND	9.60	ND	36.35	NA	NA	Post-pumping measurement ~1 gallon removed
	8/23/2021	1:15 PM	ND	8.50	35.75	36.32	NA	0.57	Pre-pumping measurment
	8/23/2021	1:45 PM	ND	8.53	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	9/8/2021	1:20 PM	ND	9.06	35.40	36.37	NA	0.97	Pre-pumping measurment
	9/8/2021	1:55 PM	ND	9.09	ND	36.37	NA	NA	Post-pumping measurement ~0.5 gallon removed
	9/21/2021	2:15 PM	ND	9.63	35.40	36.33	NA	0.93	Pre-pumping measurment
	9/21/2021	2:50 PM	ND	9.65	ND	36.33	NA	NA	Post-pumping measurement ~1 gallon removed
	10/7/2021	1:45 PM	ND	9.32	35.27	36.37	NA	1.10	Pre-pumping measurment
	10/7/2021	2:05 PM	ND	9.43	ND	36.34	NA	NA	Post-pumping measurement ~1.25 gallon removed
	10/20/2021	1:30 PM	ND	9.92	35.50	36.27	NA	0.77	Pre-pumping measurment
	10/20/2021	2:10 PM	ND	9.95	ND	36.27	NA	NA	Post-pumping measurement ~1 gallon removed
	11/4/2021	5:00 PM	ND	10.18	34.80	36.37	NA	1.57	Pre-pumping measurment
	11/4/2021	5:25 PM	ND	10.20	ND	36.37	NA	NA	Post-pumping measurement ~0.5 gallon removed
	11/17/2021	2:00 PM	ND	10.28	35.80	36.27	NA	0.47	
	12/1/2021	1:30 PM	ND	10.34	34.78	36.32	NA	1.54	Pre-pumping measurment
	12/1/2021	1:50 PM	ND	10.36	ND	36.32	NA	NA	Post-pumping measurement ~1.5 gallon removed
	12/14/2021	2:15 PM	ND	11.36	35.60	36.33	NA	0.73	Pre-pumping measurment
	12/14/2021	2:45 PM	ND	11.39	ND	36.33	NA	NA	Post-pumping measurement ~0.5 gallon removed
	12/28/2021	1:00 PM	ND	10.34	35.41	36.32	NA	0.91	Pre-pumping measurment
	12/28/2021	1:20 PM	ND	10.96	ND	36.32	NA	NA	Post-pumping measurement ~1.5 gallon removed
	1/13/2022	11:05 AM	ND	10.86	35.29	36.32	NA	1.03	Pre-pumping measurment
	1/13/2022	2:00 PM	ND	10.96	ND	36.32	NA	NA	Post-pumping measurement ~1.5 gallon removed
	1/27/2022	2:00 PM	ND	10.79	35.79	36.32	NA	0.53	Pre-pumping measurment
	1/27/2022	2:30 PM	ND	10.88	ND	36.32	NA	NA	Post-pumping measurement ~1 gallon removed
	2/7/2022	1:00 PM	ND	10.42	35.82	36.32	NA	0.50	Pre-pumping measurment
	2/7/2022	1:30 PM	ND	10.87	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	2/24/2022	2:00 PM	ND	10.74	36.05	36.31	NA	0.26	Pre-pumping measurment
	2/24/2022	2:30 PM	ND	10.87	ND	36.32	NA	NA	Post-pumping measurement ~0.5 gallon removed
	3/18/2022	9:20 AM	ND	10.30	34.4	36.20	NA		Pre-pumping measurment
	3/18/2022	1:00 PM	ND	ND	36.08	36.20	NA	0.12	Post-pumping measurment ~2 gallon removed
	3/28/2022	12:48 PM	ND	10.80	35.65	36.30	NA	0.65	Pre-Pumping Measurement- Pumping not conducted

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-8	4/1/2022	8:35 AM	ND	10.38	35.57	36.26	NA	0.69	Pre-pumping measurement
	4/1/2022	10:40 AM	ND	10.38	36.21	36.26	NA	0.05	Post-pumping measurement ~2 gallons removed
	4/13/2022	10:35 AM	ND	10.25	35.6	36.20	NA	0.6	Pre-pumping measurement
	4/13/2022	11:45 AM	ND	ND	36.17	36.2	NA	0.03	Post-pumping measrurement ~6 gallons removed
	4/29/2022	9:15 AM	ND	10.52	35.22	36.18	NA	0.96	Pre-pumping measurement
	4/29/2022	9:50 AM	ND	ND	36.03	36.18	NA	0.15	Pre-pumping measurement ~7 gallons removed
	5/12/2022	12:25 AM	ND	10.15	35.75	36.30	NA	0.55	Pre-pumping measurement
	5/13/2022	11:50 AM	ND	ND	35.97	36.29	NA	0.32	Post-pumping measrurement ~3.6 gallons removed
	5/25/2022	11:45 AM	ND	10.25	35.41	36.22	NA	0.81	Pre-pumping measurement
	5/25/2022	12:30 PM	ND	ND	36.11	36.23	NA	0.12	Pre-pumping measurement ~5.6 gallons removed
	6/9/2022	12:50 PM	ND	10.04	35.49	36.24	NA	0.75	Pre-pumping measurement
	6/9/2022	1:50 PM	ND	ND	36.21	36.25	NA	0.04	Post-pumping measrurement ~2.2 gallons removed
	6/23/2022	11:49 AM	ND	10.34	35.45	36.25	NA	0.8	
	7/7/2022	14:11:00 PM	ND	10.5	35.4	36.3	NA	0.9	
	7/21/2022	13:55:00 PM	ND	10.28	34.56	36.26	NA	1.7	Pre-pumping measurement
	7/21/2022	14:30:00 PM	ND	ND	36.21	36.26	NA	0.05	Post-pumping measurement ~3.5 gallons removed.
	8/4/2022	12:15 PM	ND	10.31	35.84	36.4	NA	0.56	Pre-pumping measurement.
	8/5/2022	2:15 PM	ND	ND	36.0	36.4	NA	0.4	Post-pumping measurement ~1.1 gallons removed
	8/18/2022	11:10 AM	ND	10.29	35.09	36.21	NA	1.12	
	9/1/2022	9:15 AM	ND	10.48	35.01	36.23	NA	1.22	
	10/12/2022	8:57 AM	ND	10.17	33.97	36.20	NA	2.23	not pumped - obstruction in well
	11/9/2022	10:15 AM	ND	10.03	33.03	36.23	NA	3.2	not pumped - obstruction in well
	12/8/2022	10:25 AM	ND	9.58	33.85	37.24	NA	3.39	Pre-pumping measurement.
	12/8/2022	11:50 AM	ND	ND	36.84	37.24	NA	0.4	Post-pumping measurement ~6 gallons removed
	1/4/2023	11:30 AM	ND	9.98	35.19	37.24	NA	2.05	Pre-pumping measurement.
	1/4/2023	11:40 AM	ND	ND	37.06	37.24	NA	0.18	Post-pumping measurement ~7 gallons removed
	2/1/2023	11:15 AM	ND	10.50	35.82	37.18	NA	1.36	Pre-pumping measurement.
	2/1/2023	12:00 PM	ND	ND	36.97	37.18	NA	0.21	Post-pumping measurement ~6 gallons removed
	3/2/2023	8:40 AM	ND	9.32	34.58	36.3	NA	1.72	Pre-pumping measurement.
	3/2/2023	9:25 AM	ND	ND	36.18	36.3	NA	0.12	Post-pumping measurement ~4.1 gallons removed
	4/12/2023	11:40 AM	ND	10.63	34.4	36.3	NA	1.9	Pre-pumping measurement- no pumping completed, equipment malfunction
	4/26/2023	9:15 AM	ND	9.94	34.37	36.27	NA	1.9	Pre-pumping measurement.
	4/26/2023	9:45 AM	ND	ND	36.25	36.27	NA	0.02	Post-pumping measurement ~6 gallons removed
	5/10/2023	1:00 PM	ND	9.77	35.89	36.26	NA	0.37	
	6/13/2023	11:30 AM	ND	10.26	34.79	36.3	NA	1.51	Pre-Pumping Measurement
	6/13/2023	12:15 PM	ND	ND	36.29	36.3	NA	0.01	Post-pumping measurement ~5.0 gallons removed
	7/5/2023	12:45 PM	ND	9.41	36.06	36.43	NA	0.37	
	8/2/2023	10:30 AM	ND	9.73	34.95	36.17	NA	1.22	Pre-Pumping Measurement
	8/2/2023	11:00 AM	ND	ND	36.15	36.17	NA	0.02	Post-pumping measurement ~4.5 gallons removed
	9/14/2023	11:45 AM	ND	9.51	34.76	36.21	NA	1.45	Pre-Pumping Measurement
	9/14/2023	12:20 PM	ND	ND	36.16	36.21	NA	0.05	Post-pumping measurement ~5.0 gallons removed
	10/12/2023	11:00 AM	ND	6.34	34.03	36.18	NA	2.15	Pre-Pumping Measurement
	10/12/2023	11:30 AM	ND	ND	36.16	36.18	NA	0.02	Post-pumping measurement ~6.0 gallons removed
	11/6/2023	10:10 AM	ND	10.03	34.58	36.23	NA	1.65	Pre-Pumping Measurement
	11/6/2023	10:35 AM	ND	ND	36.18	36.23	NA	0.05	Post-pumping measurement ~5.0 gallons removed
	12/6/2023	9:00 AM	ND	10.02	34.92	36.22	NA	1.3	Pre-Pumping Measurement
	12/6/2023	9:30 AM	ND	ND	36.19	36.22	NA	0.03	Post-pumping measurement ~4.5 gallons removed
	1/3/2024	10:00 AM	ND	10.36	35.35	36.15	NA	0.8	Pre-Pumping Measurement
	1/3/2024	11:00 AM	ND	ND	36.12	36.15	NA	0.03	Post-pumping measurement ~2.0 gallons removed
	2/15/2024	NA	NA	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	9:15 AM	ND	9.98	34.62	36.22	NA	1.60	Pre-Pumping Measurement
	3/13/2024	9:55 AM	ND	ND	36.21	36.22	NA	0.01	Post-pumping measurement ~4.0 gallons removed
	4/24/2024	12:30 PM	ND	9.6	34.98	36.23	NA	1.25	Pre-pumping measurement
	4/24/2024	12:50 PM	ND	ND	36.22	36.23	NA	0.01	Post-pumping measurement ~3 gallons removed
	5/9/2024	10:30 AM	ND	9.74	35.85	36.23	NA	0.38	
	6/6/2024	11:30 AM	ND	9.54	35.17	36.22	NA	1.05	Pre-pumping measurement
	6/6/2024	12:00 PM	ND	ND	36.21	36.22	NA	0.01	Post-pumping measurement ~2.5 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-9	10/7/2020	NA	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	10/14/2020	NA	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	10/21/2020	9:30 AM	**ND**	**10.83**	**32.96**	**33.56**	**NA**	**0.60**	**Pre-pumping measurment**
	10/21/2020	4:15 PM	**ND**	**10.83**	**ND**	**33.56**	**NA**	**NA**	**Post-pumping measurement ~0.5 gallon removed**
	11/4/2020	8:15 AM	ND	11.27	Trace	33.60	NA	NA	
	11/18/2020	10:50 AM	ND	10.89	ND	34.56	NA	NA	
	12/1/2020	10:10 AM	ND	9.26	ND	33.57	NA	NA	
	12/16/2020	9:55 AM	ND	10.66	ND	33.47	NA	NA	
	12/29/2020	10:40 AM	ND	10.39	ND	33.63	NA	NA	
	1/13/2021	9:40 AM	ND	10.25	ND	33.53	NA	NA	
	1/27/2021	9:50 AM	**ND**	**10.09**	**33.30**	**33.58**	**NA**	**0.28**	**Pre-pumping measurment**
	1/27/2021	11:50 AM	**ND**	**10.22**	**ND**	**33.58**	**NA**	**NA**	**Post-pumping measurement ~1 gallon removed**
	2/8/2020	12:20 PM	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	2/24/2021	9:40 AM	ND	10.49	ND	33.72	NA	NA	
	3/10/2021	10:50 AM	ND	10.78	Trace	33.70	NA	NA	
	3/24/2021	9:05 AM	ND	10.45	Trace	33.61	NA	NA	
	4/7/2021	9:25 AM	ND	10.01	Trace	33.51	NA	NA	
	4/21/2021	9:35 AM	ND	10.30	ND	33.52	NA	NA	
	5/5/2021	10:10 AM	ND	9.92	ND	33.52	NA	NA	
	5/17/2021	9:50 AM	ND	10.95	ND	33.49	NA	NA	
	6/2/2021	11:10 AM	ND	10.72	ND	33.51	NA	NA	
	6/16/2021	10:30 AM	ND	10.58	ND	33.42	NA	NA	
	6/30/2021	9:45 AM	ND	10.95	ND	33.52	NA	NA	
	7/14/2021	9:40 AM	ND	10.44	ND	33.53	NA	NA	
	7/27/2021	9:30 AM	ND	10.36	ND	33.53	NA	NA	
	8/11/2021	11:30 AM	ND	10.16	ND	33.53	NA	NA	
	8/23/2021	10:35 AM	ND	8.97	ND	33.48	NA	NA	
	9/8/2021	9:30 AM	ND	10.03	ND	33.48	NA	NA	
	9/21/2021	11:05 AM	ND	9.69	ND	33.50	NA	NA	
	10/7/2021	10:35 AM	ND	9.66	ND	33.48	NA	NA	
	10/20/2021	10:40 AM	ND	10.89	ND	33.46	NA	NA	
	11/4/2021	12:50 PM	ND	10.32	ND	32.55	NA	NA	
	11/17/2021	9:00 AM	ND	10.27	ND	33.48	NA	NA	
	12/1/2021	10:35 AM	ND	10.74	ND	33.51	NA	NA	
	12/14/2021	9:15 AM	ND	11.18	ND	33.48	NA	NA	
	12/28/2021	11:50 AM	ND	10.39	ND	33.45	NA	NA	
	1/13/2022	9:45 AM	ND	11.14	ND	33.97	NA	NA	
	1/27/2022	10:22 AM	ND	11.11	ND	33.49	NA	NA	
	2/7/2022	10:00 AM	ND	11.01	ND	33.49	NA	NA	
	2/24/2022	10:15 AM	ND	11.01	ND	33.49	NA	NA	
	3/18/2022	9:40 AM	ND	10.50	33.08	33.50	NA	0.42	
	3/28/2022	12:25 PM	ND	10.65	33.05	33.40	NA	0.35	
	4/13/2022	10:35 AM	ND	10.20	32.88	33.28	NA	0.4	
	4/29/2022	9:00 AM	ND	10.65	33.08	33.50	NA	0.42	
	5/12/2022	12:15 PM	ND	10.19	33.06	33.51	NA	0.45	
	5/25/2022	11:30 AM	ND	10.35	33.11	33.55	NA	0.44	
	6/9/2022	12:50 PM	ND	10.24	33.11	33.56	NA	0.45	
	6/23/2022	11:46 AM	ND	10.52	ND	34.06	NA	NA	
	7/7/2022	14:22:00 PM	ND	10.72	33.18	33.56	NA	0.47	
	7/21/2022	13:43:00 AM	ND	10.46	33.15	33.50	NA	0.35	
	8/4/2022	12:00 PM	ND	10.62	33.50	33.62	NA	0.12	
	8/18/2022	10:55 AM	ND	10.5	33.03	33.41	NA	0.38	
	9/1/2022	9:05 AM	ND	10.73	ND	33.31	NA	NA	
	10/12/2022	9:10 AM	ND	10.47	32.33	32.47	NA	0.14	
	11/9/2022	9:50 AM	ND	10.15	33.02	33.39	NA	0.37	
	12/22/2022	8:30 AM	ND	10.35	33.26	33.51	NA	0.25	
	1/4/2023	11:50 AM	ND	10.1	34.27	34.57	NA	0.30	
	2/1/2023	12:00 PM	ND	10.32	33.18	33.41	NA	0.23	
	3/2/2023	8:15 AM	ND	9.4	33.02	33.42	NA	0.40	
	4/12/2023	12:50 PM	ND	10.65	33.05	33.5	NA	0.45	
	7/5/2023	1:00 PM	ND	9.52	34.02	34.02	NA	Blebs	
	10/12/2023	10:30 AM	ND	9.39	33.06	33.35	NA	0.29	
	1/3/2024	10:15 AM	ND	10.4	33.06	33.36	NA	0.30	
	4/24/2024	12:45 PM	ND	9.77	33.08	33.33	NA	0.25	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	10/7/2020	2:05 PM	ND	10.15	27.23	33.58	NA	6.35	Pre-pumping measurement
	10/7/2020	3:00 PM	ND	10.15	ND	33.58	NA	NA	Post-pumping measurement ~4.5 gallons removed
	10/21/2020	2:50 PM	ND	9.92	28.38	33.57	NA	5.19	Pre-pumping measurement
	10/21/2020	3:45 PM	ND	9.92	ND	33.57	NA	NA	Post-pumping measurement ~4.75 gallons removed
	11/4/2020	9:45 AM	ND	11.08	28.00	33.74	NA	5.74	Pre-pumping measurement
	11/4/2020	10:00 AM	ND	11.08	ND	33.74	NA	NA	Post-pumping measurement ~4.25 gallons removed
	11/18/2020	1:25 PM	ND	10.49	27.14	33.75	NA	6.61	Pre-pumping measurement
	11/18/2020	2:15 PM	ND	10.49	ND	33.75	NA	NA	Post-pumping measurement ~4.5 gallons removed
	12/1/2020	12:35 PM	ND	9.19	28.83	33.66	NA	4.83	Pre-pumping measurement
	12/1/2020	1:20 PM	ND	9.19	ND	33.66	NA	NA	Post-pumping measurement ~3.5 gallons removed
	12/16/2020	11:30 AM	ND	10.51	27.80	33.65	NA	5.85	Pre-pumping measurement
	12/16/2020	12:00 PM	ND	10.51	ND	33.65	NA	NA	Post-pumping measurement ~4 gallons removed
	12/29/2020	12:30 PM	ND	10.52	30.90	33.73	NA	2.83	Pre-pumping measurement
	12/29/2020	1:00 PM	ND	10.52	ND	33.73	NA	NA	Post-pumping measurement ~3.5 gallons removed
	1/13/2021	11:20 AM	ND	10.11	28.28	33.73	NA	5.45	Pre-pumping measurement
	1/13/2021	12:10 PM	ND	10.15	ND	33.73	NA	NA	Post-pumping measurement ~2.5 gallons removed
	1/27/2021	1:10 PM	ND	10.30	28.00	33.64	NA	5.64	Pre-pumping measurement
	1/27/2021	1:25 PM	ND	10.44	ND	33.64	NA	NA	Post-pumping measurement ~4 gallons removed
	2/8/2021	1:00 PM	ND	10.97	29.85	33.65	NA	3.80	Pre-pumping measurement
	2/8/2021	1:30 PM	ND	11.00	ND	33.65	NA	NA	Post-pumping measurement ~3 gallons removed
	2/24/2021	10:40 AM	ND	10.56	29.68	33.64	NA	3.96	Pre-pumping measurement
	2/24/2021	11:30 AM	ND	10.58	ND	33.64	NA	NA	Post-pumping measurement ~3 gallons removed
	3/10/2021	1:30 PM	ND	10.90	29.48	33.73	NA	4.25	Pre-pumping measurement
	3/10/2021	2:00 PM	ND	10.94	ND	33.73	NA	NA	Post-pumping measurement ~3 gallons removed
	3/24/2021	11:30 AM	ND	10.56	31.11	33.54	NA	2.43	Pre-pumping measurement
	3/24/2021	12:15 PM	ND	10.68	ND	33.68	NA	NA	Post-pumping measurement ~4 gallons removed
	4/7/2021	11:45 AM	ND	10.24	29.29	33.70	NA	4.41	Pre-pumping measurement
	4/7/2021	12:15 PM	ND	10.30	ND	33.70	NA	NA	Post-pumping measurement ~4 gallons removed
	4/21/2021	12:15 PM	ND	10.49	30.29	33.59	NA	3.30	Pre-pumping measurement
	4/21/2021	12:45 PM	ND	10.48	ND	33.61	NA	NA	Post-pumping measurement ~3 gallons removed
	5/5/2021	12:30 PM	ND	10.37	30.42	33.59	NA	3.17	Pre-pumping measurement
	5/5/2021	12:55 PM	ND	9.69	ND	33.60	NA	NA	Post-pumping measurement ~3 gallons removed
	5/17/2021	11:58 AM	ND	10.95	30.01	33.59	NA	3.58	Pre-pumping measurement
	5/17/2021	12:45 PM	ND	10.86	ND	33.59	NA	NA	Post-pumping measurement ~3 gallons removed
	6/2/2021	11:30 AM	ND	10.76	29.17	33.59	NA	4.42	Pre-pumping measurement
	6/2/2021	12:00 PM	ND	10.81	ND	33.59	NA	NA	Post-pumping measurement ~4 gallons removed
	6/16/2021	11:55 AM	ND	10.63	29.81	33.67	NA	3.86	Pre-pumping measurement
	6/16/2021	12:55 PM	ND	10.59	ND	33.67	NA	NA	Post-pumping measurement ~3.5 gallons removed
	6/30/2021	11:50 AM	ND	10.98	32.45	33.64	NA	1.19	Pre-pumping measurement
	6/30/2021	12:15 PM	ND	11.01	ND	33.65	NA	NA	Post-pumping measurement ~3 gallons removed
	7/14/2021	12:00 PM	ND	10.19	30.05	33.69	NA	3.64	Pre-pumping measurement
	7/14/2021	12:30 PM	ND	10.22	ND	33.69	NA	NA	Post-pumping measurement ~3 gallons removed
	7/27/2021	12:20 PM	ND	9.90	29.40	33.79	NA	4.39	Pre-pumping measurement
	7/27/2021	12:50 PM	ND	10.20	ND	33.79	NA	NA	Post-pumping measurement ~3.5 gallons removed
	8/11/2021	2:30 PM	ND	9.96	29.80	33.73	NA	3.93	Pre-pumping measurement
	8/11/2021	2:45 PM	ND	9.97	ND	33.73	NA	NA	Post-pumping measurement ~3 gallons removed
	8/23/2021	2:15 PM	ND	8.80	31.05	33.70	NA	2.65	Pre-pumping measurement
	8/23/2021	2:45 PM	ND	8.87	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	9/8/2021	12:15 PM	ND	9.51	28.50	33.66	NA	5.16	Pre-pumping measurement
	9/8/2021	12:55 PM	ND	9.53	ND	33.66	NA	NA	Post-pumping measurement ~4 gallons removed
	9/21/2021	1:10 PM	ND	9.64	30.30	33.62	NA	3.32	Pre-pumping measurement
	9/21/2021	1:40 PM	ND	9.66	ND	33.62	NA	NA	Post-pumping measurement ~3 gallons removed
	10/7/2021	1:00 PM	ND	9.45	30.45	33.64	NA	3.19	Pre-pumping measurement
	10/7/2021	1:30 PM	ND	9.45	ND	33.65	NA	NA	Post-pumping measurement ~2.5 gallons removed
	10/20/2021	12:30 PM	ND	10.00	30.10	33.63	NA	3.53	Pre-pumping measurement
	10/20/2021	1:10 PM	ND	10.03	ND	33.63	NA	NA	Post-pumping measurement ~2.5 gallons removed
	11/4/2021	4:10 PM	ND	10.29	30.45	33.70	NA	3.25	Pre-pumping measurement

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	11/4/2021	4:45 PM	ND	9.45	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	11/17/2021	1:00 PM	ND	10.40	30.30	33.65	NA	3.35	Pre-pumping measurement
	11/17/2021	1:45 PM	ND	10.41	ND	33.65	NA	NA	Post-pumping measurement ~2.5 gallons removed
	12/1/2021	1:00 PM	ND	11.02	29.81	33.63	NA	3.82	Pre-pumping measurement
	12/1/2021	1:20 PM	ND	11.06	ND	33.63	NA	NA	Post-pumping measurement ~2.75 gallons removed
	12/14/2021	1:30 PM	ND	11.61	31.20	33.70	NA	2.50	Pre-pumping measurement
	12/14/2021	2:00 PM	ND	11.62	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	12/28/2021	12:30 PM	ND	10.49	32.08	33.70	NA	1.62	Pre-pumping measurement
	12/28/2021	12:50 PM	ND	10.82	ND	33.70	NA	NA	Post-pumping measurement ~2 gallons removed
	1/13/2022	11:15 AM	ND	10.91	31.65	33.70	NA	2.05	Pre-pumping measurement
	1/13/2022	1:20 PM	ND	10.82	ND	33.70	NA	NA	Post-pumping measurement ~2.5 gallons removed
	1/27/2022	1:00 PM	ND	10.83	32.51	33.70	NA	1.19	Pre-pumping measurement
	1/27/2022	1:30 PM	ND	10.62	ND	33.70	NA	NA	Post-pumping measurement ~1.5 gallons removed
	2/7/2022	12:30 PM	ND	10.62	32.42	33.70	NA	1.28	Pre-pumping measurement
	2/7/2022	1:00 PM	ND	10.65	ND	33.70	NA	NA	Post-pumping measurement ~1 gallon removed
	2/24/2022	1:30 PM	ND	10.77	32.91	33.70	NA	0.79	Pre-pumping measurement
	2/24/2022	2:00 PM	ND	10.65	ND	33.70	NA	NA	Post-pumping measurement ~1.5 gallon removed
	3/18/2022	10:00 AM	ND	10.66	30.06	33.66	NA	3.6	Pre-pumping measurement
	3/18/2022	1:20 PM	ND	ND	33.53	33.66	NA	0.13	Post-pumping measurment ~4 gallons removed
	3/28/2022	12:15 PM	ND	10.05	32.05	33.55	NA	1.5	Pre-pumping measurement
	3/28/2022	2:45 PM	ND	ND	33.05	33.55	NA	0.5	Post-pumping measurment ~8 gallons removed
	4/13/2022	10:15 AM	ND	10.32	31.05	33.50	NA	2.45	Pre-pumping measurement
	4/14/2022	10:30 AM	ND	ND	ND	33.5	NA	NA	Post-pumping measurement ~7 gallons removed
	4/29/2022	8:15 AM	ND	10.83	31.97	33.57	NA	1.6	Pre-pumping measurement
	4/29/2022	9:00 PM	ND	ND	33.43	33.57	NA	0.14	Post-pumping measurment ~4 gallons removed
	5/12/2022	12:15 PM	ND	10.15	32.51	33.61	NA	1.1	Pre-pumping measurement
	5/13/2022	10:30 AM	ND	ND	33.54	33.61	NA	0.07	Post-pumping measurement ~5.2 gallons removed
	5/25/2022	11:25 AM	ND	10.37	31.77	33.57	NA	1.8	Pre-pumping measurement
	5/25/2022	11:50 AM	ND	ND	33.55	33.57	NA	0.02	Post-pumping measurment ~4.75 gallons removed
	6/9/2022	12:35 PM	ND	10.18	31.81	33.58	NA	1.77	Pre-pumping measurement
	6/9/2022	1:30 PM	ND	ND	33.57	33.6	NA	0.03	Post-pumping measurement ~2.6 gallons removed
	6/23/2022	11:08 AM	ND	10.49	33.51	34.56	NA	1.05	Pre-pumping measurement
	6/23/2022	11:30 AM	ND	ND	34.38	34.56	NA	0.18	Post-pumping measurment ~2.19 gallons removed
	7/7/2022	10:52 AM	ND	10.99	32.22	33.60	NA	1.38	Pre-pumping measurement
	7/7/2022	1:30 PM	ND	ND	33.55	33.6	NA	0.05	Post-pumping measurement ~2.0 gallons removed
	7/21/2022	1:10 PM	ND	10.54	31.48	33.58	NA	2.1	Pre-pumping measurement
	7/21/2022	2:00 PM	ND	ND	33.48	33.58	NA	0.1	Post-pumping measurment ~3.0 gallons removed
	8/4/2022	12:45 PM	ND	10.64	32.59	33.74	NA	1.15	Pre-pumping measurement
	8/5/2022	10:10 AM	ND	ND	33.43	33.74	NA	0.31	Post-pumping measurement ~20 gallons removed
	8/18/2022	10:40 AM	ND	10.50	31.32	33.58	NA	2.26	Pre-pumping measurement
	8/19/2022	14:00 PM	ND	ND	33.5	33.58	NA	0.08	Post-pumping measurment ~3.3 gallons removed
	9/1/2022	8:50 AM	ND	10.72	32.72	33.70	NA	0.98	Pre-pumping measurement
	9/2/2022	9:50 AM	ND	ND	33.47	33.70	NA	0.23	Post-pumping measurment ~3.0 gallons removed
	9/15/2022	11:00 AM	ND	10.45	32.13	33.61	NA	1.48	Pre-pumping measurement
	9/15/2022	11:30 AM	ND	ND	33.49	33.61	NA	0.12	Post-pumping measurement ~6 gallons removed
	9/29/2022	11:15 AM	ND	10.60	32.14	33.59	NA	1.45	Pre-pumping measurement
	9/29/2022	12:00 PM	ND	ND	33.55	33.59	NA	0.04	Post-pumping measurment ~5 gallons removed
	10/12/2022	9:17 AM	ND	10.53	32.05	33.58	NA	1.53	Pre-pumping measurement
	10/12/2022	9:34 AM	ND	ND	33.56	33.58	NA	0.02	Post-pumping measurement ~8 gallons removed
	10/26/2022	10:20 AM	ND	10.07	31.99	33.61	NA	1.62	Pre-pumping measurement
	10/26/2022	10:45 PM	ND	ND	33.4	33.61	NA	0.21	Post-pumping measurment ~10 gallons removed
	11/9/2022	9:40 AM	ND	10.42	32.32	33.67	NA	1.35	Pre-pumping measurement
	11/9/2022	10:25 AM	ND	ND	33.59	33.67	NA	0.08	Post-pumping measurement ~4 gallons removed
	11/22/2022	9:05 AM	ND	10.97	32.42	33.64	NA	1.22	Pre-pumping measurement
	11/22/022	9:35 AM	ND	ND	33.62	33.64	NA	0.02	Post-pumping measurment ~4 gallons removed
	12/8/2022	12:55 PM	ND	10.25	32.31	33.52	NA	1.21	Pre-pumping measurement
	12/8/2022	14:00:00 PM	ND	ND	33.43	33.52	NA	0.09	Post-pumping measurement ~4 gallons removed

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	12/22/2022	8:45 AM	ND	10.09	32.6	33.68	NA	1.08	Pre-pumping measurement
	12/22/2022	10:35 AM	ND	ND	33.53	33.68	NA	0.15	Post-pumping measurment ~4 gallons removed
	1/4/2023	12:10 PM	ND	10.25	31.52	33.52	NA	2.0	Pre-pumping measurement
	1/4/2023	12:20 PM	ND	ND	33.47	33.52	NA	0.05	Post-pumping measurment ~4 gallons removed
	1/19/2023	7:35 AM	ND	10.52	32.74	33.66	NA	0.92	Pre-pumping measurement
	1/19/2023	7:45 AM	ND	ND	33.66	33.66	NA	0.0	Post-pumping measurment ~3 gallons removed
	2/1/2023	9:35 AM	ND	10.2	32.22	33.57	NA	1.35	Pre-pumping measurement
	2/1/2023	10:50 AM	ND	ND	33.38	33.57	NA	0.19	Post-pumping measurment ~3 gallons removed
	2/15/2023	8:55 AM	ND	10.27	32.78	33.63	NA	0.85	Pre-pumping measurement
	2/15/2023	9:15 AM	ND	ND	33.61	33.63	NA	0.02	Post-pumping measurment ~3 gallons removed
	3/2/2023	8:05 AM	ND	9.57	31.44	32.59	NA	1.15	Pre-pumping measurement
	3/2/2023	8:35 AM	ND	ND	32.54	32.59	NA	0.05	Post-pumping measurment ~5.5 gallons removed
	3/15/2023	9:05 AM	ND	10.41	32.0	33.61	NA	1.61	Pre-pumping measurement
	3/15/2023	9:35 AM	ND	ND	33.31	33.61	NA	0.3	Post-pumping measurment ~4.2 gallons removed
	3/29/2023	9:00 AM	ND	10.18	32.12	33.64	NA	1.52	Pre-pumping measurement
	3/29/2023	9:15 AM	ND	ND	33.62	33.64	NA	0.02	Post-pumping measurment ~4 gallons removed
	4/12/2023	10:30 AM	ND	10.79	32.58	33.73	NA	1.15	Pre-pumping measurement
	4/12/2023	11:00 AM	ND	ND	33.33	33.73	NA	0.4	Post-pumping measurment ~4 gallons removed
	4/26/2023	8:20 AM	ND	10.15	32.80	33.60	NA	0.8	Pre-pumping measurement
	4/26/2023	8:50 AM	ND	ND	33.58	33.60	NA	0.02	Post-pumping measurment ~3.5 gallons removed
	5/10/2023	12:30 PM	ND	10.34	32.20	33.58	NA	1.38	Pre-pumping measurement
	5/10/2023	2:00 PM	ND	ND	33.51	33.58	NA	0.07	Post-pumping measurment ~4.1 gallons removed
	5/24/2023	10:45 AM	ND	10.52	32.24	33.53	NA	1.29	Pre-pumping measurement
	5/24/2023	11:15 AM	ND	ND	33.48	33.53	NA	0.05	Post-pumping measurment ~4.0 gallons removed
	6/13/2023	12:30 PM	ND	10.38	31.83	33.53	NA	1.70	Pre-pumping measurement
	6/13/2023	1:00 PM	ND	ND	31.83	33.53	NA	0.05	Post-pumping measurment ~4.0 gallons removed
	6/21/2023	10:30 AM	ND	10.36	33.06	33.47	NA	0.41	
	7/5/2023	9:50 AM	ND	10.10	32.58	33.70	NA	1.12	Pre-pumping measurement
	7/5/2023	10:15 AM	ND	ND	33.62	33.70	NA	0.08	Post-pumping measurment ~3.5 gallons removed
	7/19/2023	8:40 AM	ND	10.35	32.37	33.51	NA	1.14	Pre-pumping measurement
	7/19/2023	9:00 AM	ND	ND	33.49	33.51	NA	0.02	Post-pumping measurment ~4.0 gallons removed
	8/2/2023	11:15 AM	ND	9.92	32.53	33.48	NA	0.95	Pre-pumping measurement
	8/2/2023	11:45 AM	ND	ND	33.46	33.48	NA	0.02	Post-pumping measurment ~3.5 gallons removed
	8/16/2023	10:15 AM	ND	9.98	32.19	33.59	NA	1.40	Pre-pumping measurement
	8/16/2023	10:45 AM	ND	ND	33.54	33.59	NA	0.05	Post-pumping measurment ~4.0 gallons removed
	8/30/2023	8:50 AM	ND	9.85	32.11	33.50	NA	1.39	Pre-pumping measurement
	8/30/2023	9:30 AM	ND	ND	33.48	33.50	NA	0.02	Post-pumping measurment ~4.0 gallons removed
	9/14/2023	11:15 AM	ND	9.85	32.26	33.61	NA	1.35	Pre-pumping measurement
	9/14/2023	11:35 AM	ND	ND	33.58	33.61	NA	0.03	Post-pumping measurment ~4.0 gallons removed
	9/27/2023	8:45 AM	ND	10.06	32.78	33.67	NA	0.89	Pre-pumping measurement
	9/27/2023	10:10 AM	ND	ND	33.64	33.67	NA	0.03	Post-pumping measurment ~3.0 gallons removed
	10/12/2023	10:20 AM	ND	6.58	31.19	33.62	NA	2.43	Pre-pumping measurement
	10/12/2023	10:45 AM	ND	ND	33.57	33.62	NA	0.05	Post-pumping measurment ~6.0 gallons removed
	11/6/2023	10:55 AM	ND	10.23	31.79	33.67	NA	1.88	Pre-pumping measurement
	11/6/2023	11:15 AM	ND	ND	33.65	33.67	NA	0.02	Post-pumping measurment ~4.5 gallons removed
	11/21/2023	8:50 AM	ND	10.35	32.54	33.64	NA	1.10	Pre-pumping measurement
	11/21/2023	9:15 AM	ND	ND	33.52	33.64	NA	0.02	Post-pumping measurment ~3.5 gallons removed
	12/6/2023	9:50 AM	ND	10.21	32.23	33.63	NA	1.40	Pre-pumping measurement
	12/6/2023	10:10 AM	ND	ND	33.61	33.63	NA	0.02	Post-pumping measurment ~4.0 gallons removed
	12/20/2023	9:00 AM	ND	9.96	32.96	33.71	NA	0.75	Pre-pumping measurement
	12/20/2023	9:20 AM	ND	ND	33.7	33.71	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	1/3/2024	11:00 AM	ND	10.46	33.07	33.62	NA	0.55	Pre-pumping measurement
	1/3/2024	11:20 AM	ND	ND	33.60	33.62	NA	0.02	Post-pumping measurment ~1.5 gallons removed
	1/17/2024	9:10 AM	ND	10.40	32.10	33.60	NA	1.50	Pre-pumping measurement
	1/17/2024	10:00 AM	ND	ND	33.59	33.60	NA	0.01	Post-pumping measurment ~3.0 gallons removed
	1/31/2024	8:35 AM	ND	10.82	32.92	33.62	NA	0.70	Pump malfunction, could not recover.
	2/14/2024	9:30 AM	ND	10.33	32.99	33.74	NA	0.75	Pre-pumping measurement

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-10	2/14/2024	10:00 AM	ND	ND	33.73	33.74	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	2/28/2024	10:20 AM	ND	32.71	32.71	33.73	NA	1.02	Pre-pumping measurement
	2/28/2024	11:00 AM	ND	ND	33.72	33.73	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	3/13/2024	10:20 AM	ND	10.22	31.67	33.57	NA	1.90	Pre-pumping measurement
	3/13/2024	11:00 AM	ND	ND	33.55	33.57	NA	0.02	Post-pumping measurment ~4.5 gallons removed
	3/27/2024	11:10 AM	ND	9.81	32.01	33.51	NA	1.50	Pre-pumping measurement
	3/27/2024	12:00 PM	ND	ND	33.50	33.51	NA	0.01	Post-pumping measurment ~3.0 gallons removed
	4/24/2024	1:05 PM	ND	9.50	31.55	33.60	NA	2.05	Pre-pumping measurement
	4/24/2024	1:05 PM	ND	ND	33.59	33.60	NA	0.01	Post-pumping measurment ~6.0 gallons removed
	5/9/2024	10:00 AM	ND	10.11	32.54	33.45	NA	0.91	Pre-pumping measurement
	5/9/2024	10:20 AM	ND	ND	33.44	33.45	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	5/22/2024	10:20 AM	ND	9.91	33.10	33.52	NA	0.42	
	6/6/2024	11:00 AM	ND	9.94	32.62	33.62	NA	1.00	Pre-pumping measurement
	6/6/2024	11:20 AM	ND	ND	33.61	33.62	NA	0.01	Post-pumping measurment ~2.0 gallons removed
	6/27/2024	10:45 AM	ND	10.67	32.56	33.61	NA	1.05	Pre-pumping measurement
	6/27/2024	11:00 AM	ND	ND	33.60	33.61	NA	0.01	Post-pumping measurment ~2.0 gallons removed
NW-10S	10/7/2020	10:45 AM	ND	10.50	ND	18.00	NA	NA	
	10/21/2020	9:25 AM	ND	10.49	ND	18.02	NA	NA	
	11/4/2020	7:25 AM	ND	10.33	ND	18.04	NA	NA	
	11/18/2020	10:35 AM	ND	10.51	ND	18.04	NA	NA	
	12/1/2020	9:40 AM	ND	9.82	ND	18.01	NA	NA	
	12/16/2020	9:00 AM	ND	10.82	ND	17.92	NA	NA	
	12/29/2020	9:00 AM	ND	10.57	ND	18.02	NA	NA	
	1/13/2021	8:30 AM	ND	10.62	ND	18.06	NA	NA	
	1/27/2021	8:50 AM	ND	10.57	ND	18.03	NA	NA	
	2/8/2021	10:00 AM	ND	10.50	ND	17.98	NA	NA	
	2/24/2021	9:20 AM	ND	9.55	ND	18.07	NA	NA	
	3/10/2021	10:00 AM	ND	10.89	ND	18.06	NA	NA	
	3/24/2021	9:02 AM	ND	10.67	ND	17.93	NA	NA	
	4/7/2021	9:30 AM	ND	10.27	ND	18.01	NA	NA	
	4/21/2021	9:36 AM	ND	10.23	ND	18.00	NA	NA	
	5/5/2021	9:35 AM	ND	10.01	ND	17.97	NA	NA	
	5/17/2021	9:45 AM	ND	10.72	ND	17.94	NA	NA	
	6/2/2021	11:20 AM	ND	10.46	ND	17.96	NA	NA	
	6/16/2021	9:45 AM	ND	10.41	ND	18.04	NA	NA	
	6/30/2021	9:10 AM	ND	10.63	ND	18.02	NA	NA	
	7/14/2021	8:50 AM	ND	10.03	ND	17.98	NA	NA	
	7/27/2021	8:23 AM	ND	9.94	ND	18.07	NA	NA	
	8/11/2021	11:20 AM	ND	10.23	ND	17.98	NA	NA	
	8/23/2021	10:10 AM	ND	9.20	ND	18.07	NA	NA	
	9/8/2021	8:55 AM	ND	10.89	ND	18.04	NA	NA	
	9/21/2021	10:30 AM	ND	10.10	ND	18.03	NA	NA	
	10/7/2021	9:41 AM	ND	10.06	ND	17.94	NA	NA	
	10/20/2021	7:45 AM	ND	10.40	ND	18.00	NA	NA	
	11/4/2021	12:30 PM	ND	9.92	ND	18.00	NA	NA	
	11/17/2021	8:00 AM	ND	10.39	ND	18.02	NA	NA	
	12/1/2021	9:20 AM	ND	10.64	ND	17.99	NA	NA	
	12/14/2021	8:05 AM	ND	11.10	ND	18.01	NA	NA	
	12/28/2021	12:05 PM	ND	10.39	ND	18.01	NA	NA	
	1/13/2022	9:05 AM	ND	11.01	ND	18.01	NA	NA	
	1/27/2022	9:10 AM	ND	11.00	ND	18.01	NA	NA	
	2/7/2022	10:15 AM	ND	10.89	ND	18.00	NA	NA	
	2/24/2022	10:30 AM	ND	10.96	ND	18.00	NA	NA	
	3/18/2022	9:45 AM	ND	10.65	ND	17.90	NA	NA	
	3/28/2022	12:20 PM	ND	10.50	ND	17.90	NA	NA	
	4/13/2022	10:20 AM	ND	10.28	ND	17.46	NA	NA	
	4/29/2022	8:43 AM	ND	10.61	ND	18.00	NA	NA	
	5/12/2022	12:10 PM	ND	10.04	ND	18.00	NA	NA	
	5/25/2022	11:30 AM	ND	10.24	ND	17.91	NA	NA	
	6/9/2022	12:45 PM	ND	10.02	ND	18.00	NA	NA	
	6/23/2022	11:06 AM	ND	10.22	ND	18.36	NA	NA	
	7/8/2022	9:15 AM	ND	10.56	ND	18.00	NA	NA	
	7/21/2022	13:38 PM	ND	10.21	ND	18.15	NA	NA	
	8/4/2022	12:33 PM	ND	10.52	ND	18.12	NA	NA	
	8/18/2022	10:50 AM	ND	10.24	ND	17.96	NA	NA	
	9/1/2022	8:55 AM	ND	10.33	ND	17.87	NA	NA	
	10/26/2022	11:45 AM	ND	9.93	ND	17.93	NA	NA	
	1/19/2023	7:40 AM	ND	10.58	ND	17.9	NA	NA	
	4/12/2023	1:25 PM	ND	10.51	ND	17.9	NA	Blebs on tape	
	4/24/2024	1:15 PM	ND	10.04	ND	17.85	NA	NA	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-11	**10/7/2020**	11:55 AM	**ND**	**4.13**	**21.71**	**22.80**	**NA**	**1.09**	**Pre-pumping measurement**
	10/14/2020	8:30 AM	**ND**	**5.70**	**ND**	**22.90**	**NA**	**ND**	**Post-pumping measurement ~3 gallons removed**
	10/21/2020	10:25 AM	ND	4.12	ND	22.87	NA	NA	
	11/4/2020	8:25 AM	ND	4.08	ND	22.73	NA	NA	
	11/18/2020	11:15 AM	ND	4.11	Trace	23.36	NA	NA	
	12/1/2020	10:00 AM	ND	3.95	Trace	22.81	NA	NA	
	12/16/2020	10:15 AM	ND	4.09	Trace	22.85	NA	NA	
	12/29/2020	10:50 AM	ND	4.01	ND	22.79	NA	NA	
	1/13/2021	10:10 AM	ND	4.13	21.55	22.79	NA	1.24	
	1/14/2021	8:10 AM	**ND**	**4.13**	**21.44**	**22.71**	**NA**	**1.27**	**Pre-pumping measurement**
	1/14/2021	8:20 AM	**ND**	**4.46**	**ND**	**22.71**	**NA**	**NA**	**Post-pumping measurement ~5 gallons removed**
	1/27/2021	10:50 AM	ND	4.24	22.70	23.00	NA	0.30	
	1/28/2021	8:45 AM	**ND**	**4.36**	**22.70**	**23.00**	**NA**	**0.30**	**Pre-pumping measurement**
	1/28/2021	8:55 AM	**ND**	**4.38**	**ND**	**23.00**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/8/2021	10:55 AM	ND	4.20	ND	22.80	NA	NA	
	2/24/2021	9:50 AM	ND	4.09	22.48	22.98	NA	0.50	
	2/25/2021	8:20 AM	**ND**	**4.11**	**22.45**	**22.98**	**NA**	**0.53**	**Pre-pumping measurement**
	2/25/2021	8:25 AM	**ND**	**4.12**	**ND**	**22.97**	**NA**	**NA**	**Post-pumping measurement ~2 gallons removed**
	3/10/2021	11:30 AM	ND	4.06	22.48	22.91	NA	0.43	
	3/11/2021	8:40 AM	**ND**	**4.08**	**22.34**	**22.91**	**NA**	**0.57**	**Pre-pumping measurement**
	3/11/2021	8:50 AM	**ND**	**6.51**	**ND**	**22.96**	**NA**	**NA**	**Post-pumping measurement ~2 gallons removed**
	3/24/2021	9:50 AM	ND	3.78	ND	22.81	NA	NA	
	4/7/2021	9:35 AM	ND	3.41	22.54	22.90	NA	0.36	
	4/8/2021	8:10 AM	ND	3.48	22.65	22.90	NA	0.25	
	4/21/2021	9:45 AM	ND	3.88	22.52	22.88	NA	0.36	
	4/22/2021	9:00 AM	ND	3.91	22.49	22.88	NA	0.39	
	5/5/2021	10:55 AM	ND	3.83	22.25	22.88	NA	0.63	
	5/6/2021	7:16 AM	ND	3.84	22.60	22.88	NA	0.28	
	5/17/2021	10:21 AM	ND	3.82	ND	22.86	NA	NA	
	6/2/2021	9:49 AM	ND	3.80	21.84	22.89	NA	1.05	
	6/3/2021	8:40 AM	**ND**	**3.82**	**21.84**	**22.89**	**NA**	**1.05**	**Pre-pumping measurement**
	6/3/2021	8:50 AM	**ND**	**3.85**	**ND**	**22.91**	**NA**	**NA**	**Post-pumping measurement ~3 gallons removed**
	6/16/2021	10:25 AM	ND	3.80	ND	22.74	NA	NA	
	6/30/2021	10:07 AM	ND	3.86	ND	22.74	NA	NA	
	7/14/2021	9:20 AM	ND	3.77	ND	22.96	NA	NA	
	7/27/2021	9:25 AM	ND	3.83	21.83	22.93	NA	1.10	
	7/29/2021	8:10 AM	**ND**	**3.84**	**21.83**	**22.93**	**NA**	**1.10**	**Pre-pumping measurement**
	7/29/2021	8:25 AM	**ND**	**8.25**	**ND**	**22.93**	**NA**	**NA**	**Post-pumping measurement ~5.1 gallons removed**
	8/11/2021	11:40 AM	ND	3.96	ND	23.00	NA	NA	
	8/23/2021	10:55 AM	ND	3.81	22.65	22.80	NA	0.15	
	9/8/2021	9:52 AM	ND	3.80	22.05	22.95	NA	0.90	
	9/9/2021	8:20 AM	**ND**	**3.76**	**22.05**	**22.95**	**NA**	**0.90**	**Pre-pumping measurement**
	9/9/2021	8:25 AM	**ND**	**7.20**	**ND**	**22.95**	**NA**	**NA**	**Post-pumping measurement ~3.4 gallons removed**
	9/21/2021	11:38 AM	ND	3.83	ND	23.00	NA	NA	
	10/7/2021	11:45 AM	ND	3.72	22.10	22.96	NA	0.86	
	10/8/2021	7:25 AM	**ND**	**3.73**	**22.06**	**22.95**	**NA**	**0.89**	**Pre-pumping measurement**
	10/8/2021	8:33 AM	**ND**	**7.75**	**ND**	**22.96**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	10/20/2021	11:20 AM	ND	3.75	ND	22.90	NA	NA	
	11/4/2021	12:55 PM	ND	3.82	22.55	22.82	NA	0.27	
	11/17/2021	9:15 AM	ND	4.03	22.20	22.79	NA	0.59	
	11/19/2021	10:05 AM	**ND**	**4.06**	**22.20**	**22.79**	**NA**	**0.59**	**Pre-pumping measurement**
	11/19/2021	10:20 AM	**ND**	**4.07**	**ND**	**22.79**	**NA**	**NA**	**Post-pumping measurement ~6 gallons removed**
	12/1/2021	11:25 AM	ND	4.21	ND	22.97	NA	NA	
	12/14/2021	12:00 PM	ND	4.51	22.70	23.00	NA	0.30	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-11	12/28/2021	12:10 PM	ND	4.51	22.59	23.01	NA	0.42	
	1/13/2022	10:45 AM	ND	4.41	ND	22.99	NA	NA	
	1/27/2022	10:50 AM	ND	4.41	22.48	22.99	NA	0.51	
	1/28/2022	8:30 AM	**ND**	**4.39**	**22.44**	**22.99**	**NA**	**0.55**	**Pre-pumping measurement**
	1/28/2022	8:35 AM	**ND**	**4.50**	**ND**	**22.99**	**NA**	**NA**	**Post-pumping measurement ~4 gallons removed**
	2/7/2022	10:40 AM	ND	4.11	ND	23.00	NA	NA	
	2/24/2022	11:00 AM	ND	4.32	22.68	22.98	NA	0.30	
	3/17/2022	10:04 AM	ND	4.12	22.60	22.95	NA	0.35	
	3/28/2022	11:15 PM	ND	4.02	22.56	22.90	NA	0.34	
	4/13/2022	**9:27 AM**	**ND**	**3.85**	**22.15**	**22.85**	**NA**	**0.70**	**Pre-pumping measurement**
	4/13/2022	**1:57 PM**	**ND**	**5.10**	**ND**	**22.90**	**NA**	**NA**	**Post-pumping measrurement ~3 gallons removed**
	4/29/2022	9:30 AM	ND	3.93	22.44	22.83	NA	0.39	
	5/12/2022	11:20 PM	ND	3.88	22.60	22.85	NA	0.25	
	5/25/2022	10:30 AM	ND	3.93	22.39	22.84	NA	0.45	
	6/9/2022	**11:20 PM**	**ND**	**3.86**	**21.93**	**22.83**	**NA**	**0.90**	**Pre-pumping measurement**
	6/9/2022	**12:20 PM**	**ND**	**ND**	**22.73**	**22.83**	**NA**	**0.10**	**Post-pumping measurement ~2.5 gallons removed**
	6/23/2022	11:59 AM	ND	4.05	22.31	22.84	NA	0.53	
	7/7/2022	13:33:00 PM	ND	4.28	21.97	22.87	NA	0.90	
	7/21/2022	**11:45 AM**	**ND**	**4.07**	**22.97**	**22.87**	**NA**	**0.90**	**Pre-pumping measurement**
	7/21/2022	**12:15 PM**	**ND**	**ND**	**22.52**	**22.87**	**NA**	**0.35**	**Post-pumping measurement ~3.0 gallons removed**
	8/4/2022	**9:38 AM**	**ND**	**4.17**	**21.82**	**22.87**	**NA**	**1.05**	**Pre-pumping measurement**
	8/5/2022	**12:15 PM**	**ND**	**ND**	**22.40**	**22.87**	**NA**	**0.47**	**Post-pumping measurement ~9.50 gallons removed**
	8/18/2022	12:25 PM	ND	4.32	22.54	22.84	NA	0.30	
	9/1/2022	8:25 AM	ND	4.42	ND	22.79	NA	NA	
	10/13/2022	11:20 AM	ND	4.15	22.43	22.91	NA	0.48	
	11/9/2022	9:25 AM	ND	4.41	22.27	22.87	NA	0.60	
	12/8/2022	9:45 AM	ND	4.20	22.03	22.78	NA	0.75	
	1/19/2023	**10:00 AM**	**ND**	**4.02**	**21.21**	**21.96**	**NA**	**0.75**	**Pre-pumping measurement**
	1/19/2023	**10:10 AM**	**ND**	**ND**	**21.95**	**21.96**	**NA**	**0.01**	**Post-pumping measurement ~4 gallons removed**
	3/1/2023	11:00 AM	ND	4.2	22.5	22.85	NA	0.35	
	4/12/2023	3:05 PM	ND	4.2	21.7	22.8	NA	1.1	Pre-pumping measurement, pump not working - no recovery
	5/10/2023	**10:30 AM**	**ND**	**3.85**	**21.72**	**22.82**	**NA**	**1.1**	**Pre-pumping measurement**
	5/10/2023	**10:45 AM**	**ND**	**ND**	**22.8**	**22.82**	**NA**	**0.02**	**Post-pumping measurement ~4.25 gallons removed**
	6/13/2023	**11:30 AM**	**ND**	**4.14**	**21.89**	**22.81**	**NA**	**0.92**	**Pre-pumping measurement**
	6/13/2023	**11:45 AM**	**ND**	**ND**	**22.80**	**22.81**	**NA**	**0.01**	**Post-pumping measurement ~4.0 gallons removed**
	7/5/2023	11:10 AM	ND	4.39	21.51	21.99	NA	0.48	
	8/2/2023	10:00 AM	ND	4.11	22.30	22.75	NA	0.45	
	9/14/2023	**10:10 AM**	**ND**	**3.98**	**21.39**	**22.79**	**NA**	**1.40**	**Pre-pumping measurement**
	9/14/2023	**10:30 AM**	**ND**	**ND**	**22.78**	**22.79**	**NA**	**0.01**	**Post-pumping measurement ~5.5 gallons removed**
	10/12/2023	10:00 AM	ND	3.85	22.47	22.89	NA	0.42	
	11/6/2023	**11:30 AM**	**ND**	**3.91**	**21.64**	**22.86**	**NA**	**1.22**	**Pre-pumping measurement**
	11/6/2023	**11:50 AM**	**ND**	**3.91**	**22.85**	**22.86**	**NA**	**0.01**	**Post-pumping measurement ~4.5 gallons removed**
	12/6/2023	10:45 AM	ND	4.03	22.51	22.86	NA	0.35	
	1/3/2024	9:40 AM	ND	3.80	22.38	22.83	NA	0.45	
	2/15/2024	NA	NA	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**ND**	**3.75**	**21.51**	**22.81**	**NA**	**1.30**	**Pre-pumping measurement**
	3/13/2024	**11:50 AM**	**ND**	**ND**	**22.80**	**22.81**	**NA**	**0.01**	**Post-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	ND	3.90	22.44	22.84	NA	0.4	
	5/8/2024	**12:00 PM**	**ND**	**4.11**	**22.07**	**22.62**	**NA**	**0.55**	**Pre-pumping measurement**
	5/8/2024	**12:20 PM**	**ND**	**ND**	**22.61**	**22.62**	**NA**	**0.01**	**Post-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	ND	3.88	22.65	22.85	NA	0.2	

Attachment B. Historic Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to LNAPL (feet)	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Comments
NW-12	10/7/2020	11:15 AM	ND	3.75	ND	21.10	NA	NA	
	10/21/2020	8:50 AM	ND	3.76	ND	21.25	NA	NA	
	11/4/2020	7:35 AM	ND	3.86	ND	21.20	NA	NA	
	11/18/2020	10:20 AM	ND	4.02	ND	21.89	NA	NA	
	12/1/2020	9:20 AM	ND	3.70	ND	21.29	NA	NA	
	12/16/2020	9:05 AM	ND	3.98	ND	21.13	NA	NA	
	12/29/2020	9:05 AM	ND	3.92	ND	21.14	NA	NA	
	1/13/2021	9:45 AM	ND	4.00	ND	21.55	NA	NA	
	1/27/2021	8:55 AM	ND	4.10	ND	21.25	NA	NA	
	2/8/2021	10:15 AM	ND	4.04	ND	NA	NA	NA	Bottom depth not measured.
	2/24/2021	9:10 AM	ND	3.89	ND	21.18	NA	NA	
	3/10/2021	10:40 AM	ND	3.83	ND	21.33	NA	NA	
	3/24/2021	9:28 AM	ND	3.71	ND	21.23	NA	NA	
	4/7/2021	9:40 AM	ND	3.64	ND	21.16	NA	NA	
	4/21/2021	9:50 AM	ND	3.64	ND	21.23	NA	NA	
	5/5/2021	10:05	ND	3.61	ND	21.17	NA	NA	
	5/17/2021	9:55 AM	ND	3.71	ND	21.15	NA	NA	
	6/2/2021	9:39 AM	ND	3.55	ND	21.21	NA	NA	
	6/16/2021	9:35 AM	ND	3.65	ND	21.14	NA	NA	
	6/30/2021	9:05 AM	ND	3.69	ND	21.16	NA	NA	
	7/14/2021	9:15 AM	ND	3.53	ND	21.19	NA	NA	
	7/27/2021	8:38 AM	ND	3.54	ND	21.11	NA	NA	
	8/11/2021	11:15 AM	ND	3.73	ND	21.26	NA	NA	
	8/23/2021	10:15 AM	ND	3.49	ND	21.12	NA	NA	
	9/8/2021	9:18 AM	ND	3.36	ND	21.26	NA	NA	
	9/21/2021	10:17 AM	ND	3.59	ND	21.15	NA	NA	
	10/7/2021	10:20 AM	ND	3.46	ND	21.11	NA	NA	
	10/20/2021	7:35 AM	ND	3.58	ND	22.17	NA	NA	
	11/4/2021	10:30 AM	ND	3.62	ND	21.12	NA	NA	
	11/17/2021	8:05 AM	ND	3.81	ND	21.05	NA	NA	
	12/1/2021	10:10 AM	ND	4.07	ND	21.04	NA	NA	
	12/14/2021	8:30 AM	ND	4.24	ND	21.09	NA	NA	
	12/28/2021	12:15 PM	ND	4.17	ND	21.10	NA	NA	
	1/13/2022	9:40 AM	ND	4.16	ND	21.11	NA	NA	
	1/27/2022	9:37 AM	ND	4.11	ND	21.10	NA	NA	
	2/7/2022	9:37 AM	ND	4.11	ND	21.10	NA	NA	
	2/24/2022	11:10 AM	ND	4.07	ND	21.11	NA	NA	
	3/17/2022	10:10 AM	ND	3.89	ND	21.30	NA	NA	
	3/28/2022	11:20 AM	ND	3.92	ND	21.20	NA	NA	
	4/13/2022	9:20 AM	ND	3.70	ND	21.02	NA	NA	
	4/29/2022	11:00 AM	ND	3.74	ND	21.22	NA	NA	
	5/12/2022	11:30 AM	ND	3.75	ND	20.92	NA	NA	
	5/26/2022	10:25 AM	ND	3.79	ND	21.12	NA	NA	
	6/9/2022	11:30 AM	ND	3.52	ND	21.12	NA	NA	
	6/23/2022	10:35 AM	ND	3.61	ND	21.22	NA	NA	
	7/7/2022	13:35:00 PM	ND	3.97	ND	20.93	NA	NA	
	7/21/2022	11:35 AM	ND	3.78	ND	21.12	NA	NA	
	8/4/2022	9:35 AM	ND	3.94	ND	21.11	NA	NA	
	8/18/2022	12:30 PM	ND	3.98	ND	21.12	NA	NA	
	9/1/2022	8:35 AM	ND	NA	ND	21.19	NA	NA	
	10/27/2022	9:30 AM	ND	4.05	ND	21.43	NA	NA	
	1/19/2023	7:55 AM	ND	4.61	ND	21.57	NA	NA	
	4/12/2023	1:10 PM	ND	4.01	ND	21.03	NA	NA	
	4/25/2024	10:20 AM	ND	3.91	ND	21.11	NA	NA	

Notes:
Pre/post pumping event readings are bolded.
LNAPL - Light Non-Aqueous Phase Liquid
DNAPL - Dense Non-Aqueous Phase Liquid
* - Estimated due to High Viscous DNAPL
NA - Not Applicable
NM - Not Measurable (High Viscosity)

October 22, 2024
Project No. 2201010

VIA EMAIL: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Progress Report – Third Quarter 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360098

Dear Mr. Starr:

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the third quarter of 2024.

Site Activities

During the third quarter of 2024, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q3 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. On August 28, 2024, the controller used with the gas displacement pumps malfunctioned and was sent to QED for repairs. A buffalo pump was subsequently used at NW-5 and NW-6. DNAPL gauging and recovery amounts for the Q3 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55-gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On July 3, August 14, and September 11, 2024, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q3 are provided in Attachment A. DNAPL recovery rates are shown in Attachment B.

A total of approximately 89.0 gallons of DNAPL were recovered during the reporting period. Since the start of 2024, a total of 298.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2024 are summarized in Table 3.

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q4 2024:

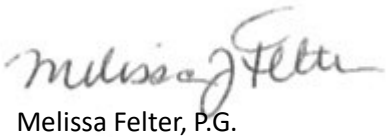
- Complete DNAPL gauging and removal in Q4 2024 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, while long-term trends and alternate recovery methods are evaluated.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q4 2024.

If you have any questions or require any further information, please contact Melissa Abt at Con Edison at 718.204.4331 or via electronic mail at abtm@coned.com.

Sincerely,

GEI Consultants, Inc., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager



Melissa Felter, P.G.
Project Manager

MO/MF:ag
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\Monthly Reports\2024\Q3\PCW\report.C360099.PCW-QuarterlyReport_Q3.2024.docx

Appendices
Tables
Figures
Attachment A Waste Disposal Manifests
Attachment B Recovery Rate Graphs

cc: G. Moran/J. Vogel/M. Simpson/C. Hinckley/S. Lessick, AVB
M. Godick/S. Grens, AKRF
M. Chokshi/M. Abt, Con Edison

Tables

Table 1. Q3 2024 DNAPL Summary

Table 2. 2024 Well Gauging Measurements

Table 3. 2024 DNAPL Recovery Totals

Table 1. Q3 2024 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)							Total DNAPL Removed (Gallons)
	7/3/2024	7/17/2024	7/30/2024	8/14 - 8/15/2024	8/28/2024	9/11/2024	9/25/2024	Q3 2024
NW-5	**7.20**	**7.65**	**7.20**	**6.48**	NA	**8.00**	**7.90**	**37.0**
NW-6	**5.46**	**5.06**	**6.60**	**6.76**	**5.52**	**6.80**	**5.01**	**38.5**
NW-8	0.42	NA	NA	**1.00**	NA	0.39	NA	**2.5**
NW-10	0.36	**0.55**	**0.51**	0.42	**1.00**	0.31	**0.65**	**6.5**
NW-11	0.32	NA	NA	**0.75**	NA	**1.05**	NA	**4.5**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/25/2024	11:00 AM	6.39	NA	20.35	NA	
NW-3	4/25/2024	11:15 AM	6.62	NA	32.98	NA	
NW-4	4/25/2024	11:30 AM	8.85	NA	43.20	NA	
	5/22/2024	12:00 PM	8.38	NA	43.30	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**1/4/2024**	**10:30 AM**	**6.60**	**29.86**	**37.28**	**7.42**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	1/17/2024	NA	NA	NA	NA	NA	No more drum space, could not recover.
	1/31/2024	**9:55 AM**	**7.54**	**29.50**	**37.30**	**7.80**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	2/15/2024	12:00 PM	7.77	29.90	36.57	6.67	Pump malfunction, could not recover.
	2/28/2024	**11:35 AM**	**8.49**	**29.70**	**37.18**	**7.48**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**11:30 AM**	**7.01**	**29.48**	**37.38**	**7.90**	**Pre-pumping measurement ~7.5 gallons removed**
	3/27/2024	**12:00 PM**	**7.21**	**29.97**	**37.18**	**6.29**	**Pre-pumping measurement ~4 gallons removed**
	4/25/2024	**9:00 AM**	**8.20**	**28.75**	**37.25**	**8.50**	**Pre-pumping measurement ~7.5 gallons removed**
	5/9/2024	**11:00 AM**	**8.30**	**29.48**	**37.23**	**7.75**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**11:00 AM**	**6.81**	**29.51**	**37.31**	**7.80**	**Pre-pumping measurement ~5 gallons removed**
	6/5/2024	**10:00 AM**	**7.47**	**31.06**	**37.31**	**6.25**	**Pre-pumping measurement ~4.5 gallons removed**
	6/27/2024	**11:15 AM**	**8.52**	**29.61**	**37.21**	**7.60**	**Pre-pumping measurement ~5 gallons removed**
	7/3/2024	**11:25 AM**	**8.60**	**30.08**	**37.28**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	7/17/2024	**10:15 AM**	**6.75**	**29.66**	**37.31**	**7.65**	**Pre-pumping measurement ~5 gallons removed**
	7/30/2024	**10:45 AM**	**9.82**	**29.87**	**37.07**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	8/14/2024	**10:20 AM**	**7.30**	**30.65**	**37.13**	**6.48**	**Pre-pumping measurement ~4 gallons removed**
	8/28/2024	NA	NA	NA	NA	NA	Equipment malfunction, could not recover.
	9/11/2024	**12:15 PM**	**7.50**	**29.25**	**37.25**	**8.00**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**10:45 AM**	**8.20**	**29.39**	**37.29**	**7.90**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
NW-6	**1/4/2024**	**9:00 AM**	**9.01**	**31.60**	**36.80**	**5.20**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/17/2024	**10:10 AM**	**8.97**	**31.70**	**36.80**	**5.10**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/31/2024	**1:45 PM**	**8.00**	**33.76**	**36.80**	**5.34**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	2/14/2024	**12:55 PM**	**8.68**	**31.40**	**36.66**	**5.26**	**Pre-pumping measurement ~5 gallons removed**
	2/28/2024	**9:40 AM**	**9.40**	**31.66**	**36.66**	**5.00**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**8:45 AM**	**8.75**	**29.96**	**36.80**	**6.84**	**Pre-pumping measurement ~2 gallons removed (metal pipe blocked air line)**
	3/27/2024	**9:15 AM**	**9.32**	**30.78**	**36.80**	**6.02**	**Pre-pumping measurement ~5 gallons removed**
	4/24/2024	8:45 AM	8.54	31.15	36.80	5.65	Tubing malfunction, could not recover.
	5/9/2024	**9:00 AM**	**8.18**	**30.97**	**36.82**	**5.85**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**9:30 AM**	**8.65**	**31.31**	**36.80**	**5.49**	**Pre-pumping measurement ~4.5 gallons removed**
	6/5/2024	**9:00 AM**	**8.81**	**30.45**	**36.80**	**6.35**	**Pre-pumping measurement ~5.5 gallons removed**
	6/27/2024	**9:15 AM**	**9.00**	**31.24**	**36.80**	**5.56**	**Pre-pumping measurement ~4.5 gallons removed**
	7/3/2024	**9:15 AM**	**8.80**	**31.34**	**36.80**	**5.46**	**Pre-pumping measurement ~4.5 gallons removed**
	7/17/2024	**8:30 AM**	**8.85**	**31.74**	**36.80**	**5.06**	**Pre-pumping measurement ~4 gallons removed**
	7/30/2024	**9:00 AM**	**8.12**	**30.20**	**36.80**	**6.60**	**Pre-pumping measurement ~5 gallons removed**
	8/14/2024	**8:40 AM**	**8.84**	**30.04**	**36.80**	**6.76**	**Pre-pumping measurement ~5 gallons removed**
	8/28/2024	9:00 AM	8.68	31.28	36.80	5.52	Equipment malfunction, could not recover.
	9/11/2024	**11:15 AM**	**9.80**	**30.00**	**36.80**	**6.80**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**9:45 AM**	**8.50**	**31.79**	**36.80**	**5.01**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
NW-7	4/25/2024	10:35 AM	9.60	NA	22.87	NA	
NW-8	**1/3/2024**	**10:00 AM**	**10.36**	**35.35**	**36.15**	**0.80**	**Pre-pumping measurement ~2 gallons removed**
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**9:15 AM**	**9.98**	**34.62**	**36.22**	**1.60**	**Pre-pumping measurement ~4 gallons removed**
	4/24/2024	**12:30 PM**	**9.60**	**34.98**	**36.23**	**1.25**	**Pre-pumping measurement ~3 gallons removed**
	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
	7/3/2024	10:15 AM	10.30	35.90	36.26	0.42	
	8/15/2024	**10:25 AM**	**10.77**	**35.21**	**36.21**	**1.00**	**Pre-pumping measurement ~2.5 gallons removed**
	9/11/2024	9:00 AM	10.75	35.80	36.19	0.39	
NW-9	1/3/2024	10:15 AM	10.40	33.06	33.36	0.30	
	4/24/2024	12:45 PM	9.77	33.08	33.33	0.25	
NW-10	**1/3/2024**	**11:00 AM**	**10.46**	**33.07**	**33.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	1/17/2024	**9:10 AM**	**10.40**	**32.10**	**33.60**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	1/31/2024	8:35 AM	10.82	32.82	33.62	0.70	Pump malfunction, could not recover.
	2/14/2024	**9:30 AM**	**10.33**	**32.99**	**33.74**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	2/28/2024	**10:20 AM**	**11.05**	**32.71**	**33.73**	**1.02**	**Pre-pumping measurement ~2 gallons removed**
	3/13/2024	**10:20 AM**	**10.22**	**31.67**	**33.57**	**1.90**	**Pre-pumping measurement ~4.5 gallons removed**
	3/27/2024	**11:10 AM**	**9.81**	**32.01**	**33.51**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	**1:05 PM**	**9.50**	**31.55**	**33.60**	**2.05**	**Pre-pumping measurement ~6 gallons removed**
	5/9/2024	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement ~2 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement ~2 gallons removed**
	7/3/2024	10:25 AM	10.46	33.28	33.64	0.36	
	7/17/2024	**9:45 AM**	**10.33**	**32.84**	**33.39**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	7/30/2024	**12:50 PM**	**10.57**	**32.87**	**33.38**	**0.51**	**Pre-pumping measurement ~1.5 gallons removed**
	8/14/2024	11:15 AM	9.74	33.19	33.61	0.42	
	8/28/2024	**11:00 AM**	**9.81**	**32.58**	**33.58**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	9:20 AM	10.60	33.09	33.40	0.31	
	9/25/2024	**9:15 AM**	**9.85**	**32.95**	**33.60**	**0.65**	**Pre-pumping measurement ~1.5 gallons removed**
NW-10S	4/24/2024	1:15 PM	10.04	NA	17.85	NA	
NW-11	1/3/2024	9:40 AM	3.80	22.38	22.83	0.45	
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**3.75**	**21.51**	**22.81**	**1.30**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	3.90	22.44	22.84	0.40	
	5/8/2024	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
	7/3/2024	10:35 AM	4.50	22.37	22.69	0.32	
	8/15/2024	**10:00 AM**	**3.94**	**21.97**	**22.72**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	**9:45 AM**	**4.38**	**21.80**	**22.85**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
NW-12	4/25/2024	10:20 AM	3.91	NA	21.11	NA	

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2024 DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

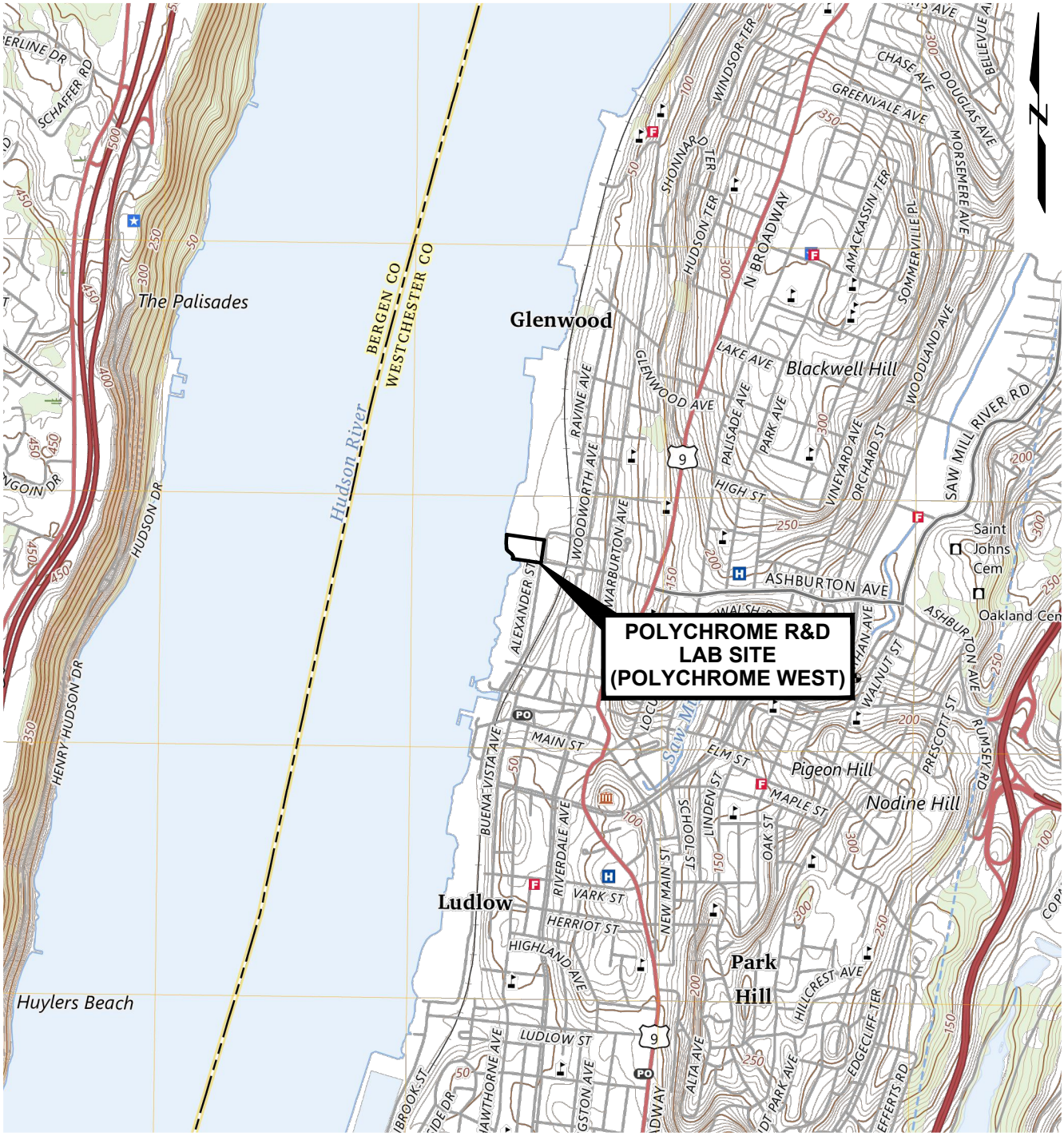
	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-5	**40.0**	**5.0**	**11.5**	**7.5**	**10.0**	**9.5**	**13.0**	**4.0**	**20.0**				**120.50**
NW-6	**45.0**	**10.0**	**7.0**	NA	**9.5**	**10.0**	**13.5**	**5.0**	**20.0**				**120.00**
NW-7	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-8	**2.0**	NA	**4.0**	**3.0**	NA	**2.5**	NA	**2.5**	NA				**14.00**
NW-9	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
NW-10	**4.5**	**4.0**	**7.5**	**6.0**	**2.0**	**4.0**	**3.0**	**2.0**	**1.5**				**34.50**
NW-11	NA	NA	**3.0**	NA	**1.5**	NA	NA	**2.0**	**2.5**				**9.00**
NW-12	NA	NA	NA	NA	NA	NA	NA	NA	NA				**0.00**
Event Total	**91.50**	**19.00**	**33.00**	**16.50**	**23.00**	**26.00**	**29.50**	**15.50**	**44.00**	**0.00**	**0.00**	**0.00**	**298.00**
Date Generated	1/3/2024, 1/4/2024, 1/17/2024, 1/31/2024	2/14/2024, 2/15/2024, 2/28/2024	3/13/2024, 3/14/2024, 3/27/2024	4/24/2024, 4/25/2024	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024	7/3/2024, 7/17/2024, 7/30/2024	8/14/2024, 8/15/2024, 8/28/2024	9/11/2024, 9/25/2024				
Off-Site Disposal Date	1/3/2024, 1/31/2024	2/28/2024	3/27/2024	4/24/2024, 5/9/2024	5/9/2024, 6/6/2024	6/6/2024, 7/3/2024	7/3/2024, 8/14/2024	8/14/2024, 9/11/2024	9/11/2024				
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey				

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

Figure 1. Site Location Map

Figure 2. NAPL Recovery and Groundwater Monitoring Well Location Plan

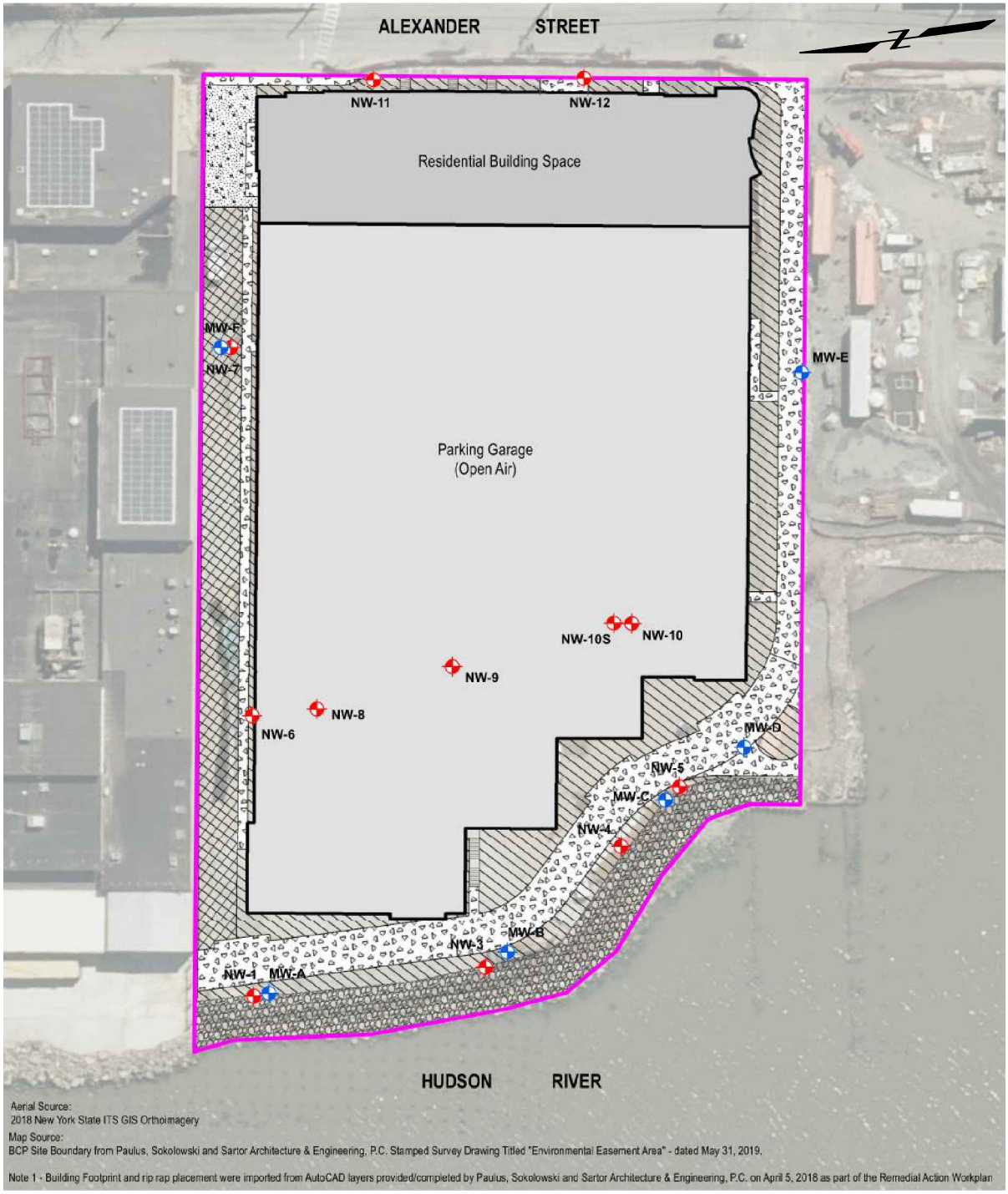


SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	October 2024 Fig. 1

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023



LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 80 160

SCALE: 1" = 80'

Quarterly Progress Report
Polychrome West (PCW)
Yonkers, New York

Consolidated Edison Company of New York, Inc.
Long Island City, New York

GEI Consultants

NAPL RECOVERY AND GROUNDWATER MONITORING WELLS

Project 2201010 | October 2024 | Fig. 2

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023

Attachment A Waste Disposal Manifests

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	8606089717	018014125 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att: Melissa Felter
212-580-8383
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone:

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc.
9733444004
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone:
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III, RQ (D018)	10	DM	500	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III, RQ(D018)	10	DM	500	P	D018
	3.					
	4.					

14: Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz.
ER Provider Melissa Felter Order#: 2616052 - Note:
(2) ERG#171: 2230800135 - Purged NAPL and

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jaime Rivera — Signature: Jaime Rivera — Month: 7 Day: 3 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHRISTIAN BARROS — Signature — Month: 7 Day: 3 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H141	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000254706
2. Page 1 of: 1
3. Emergency Response Phone: 8606089717
4. Manifest Tracking Number: 018012748 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.
U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	2	DM	50	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	3	DM	165	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz.
(2) ERG#171: 2230800135 - Purged NAPL and Groundwater-Haz.
Order#: 2671474 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: N. Alvarez
Signature:
Month: 8 Day: 14 Year: 24

INT'L

16. International Shipments
☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella
Signature:
Month: 8 Day: 14 Year: 24
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
Received Pending Manifest Review/Quality Control Data
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H141 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	9505083717	018024579 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.
U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	2	DM	200	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	2	DM	110	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2709493 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Norberto Alvarez
Signature:
Month: 9 Day: 11 Year: 04

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella
Signature:
Month: 9 Day: 11 Year: 04
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

Received Pending Manifest Review/Quality Control Date

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

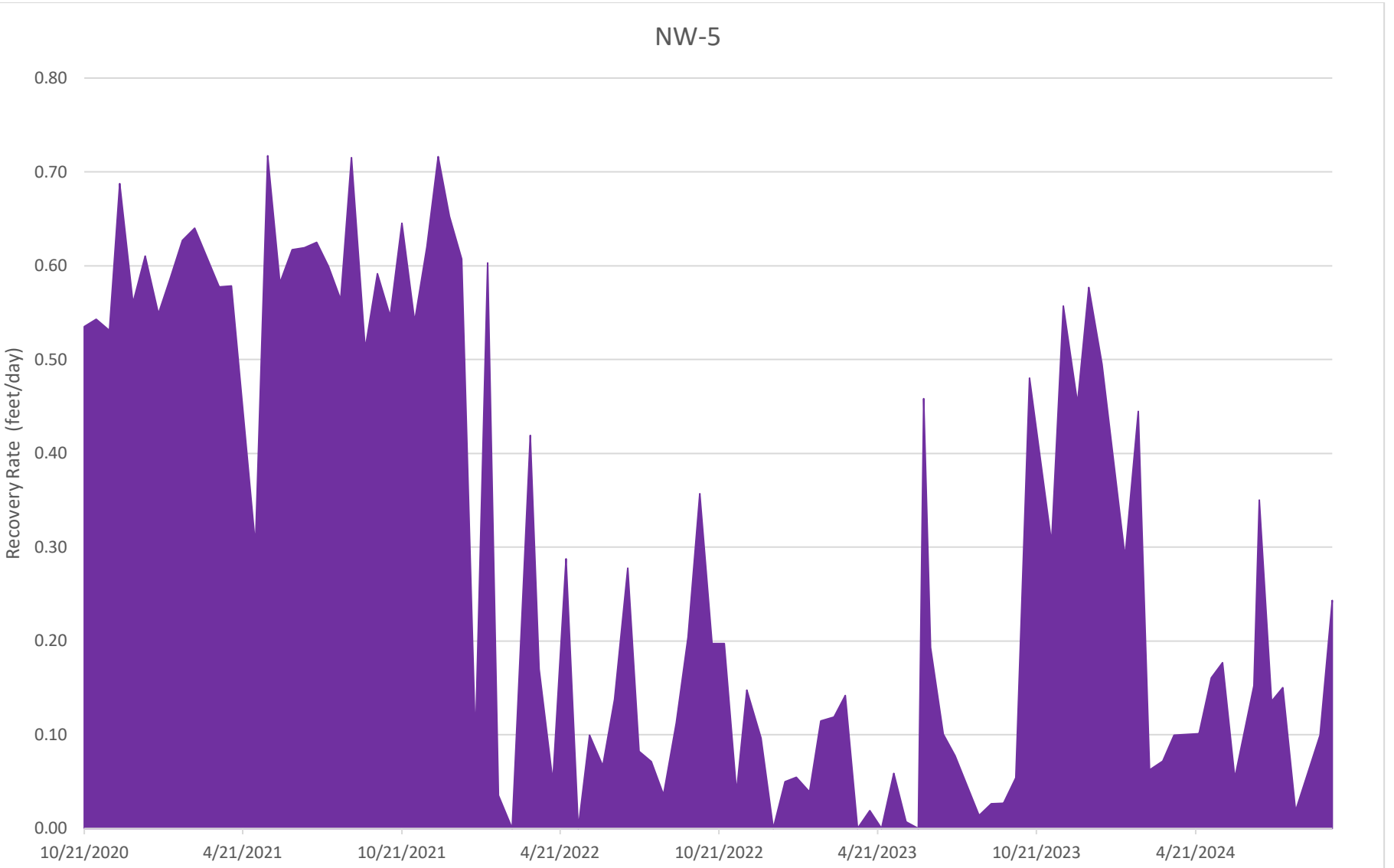
1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

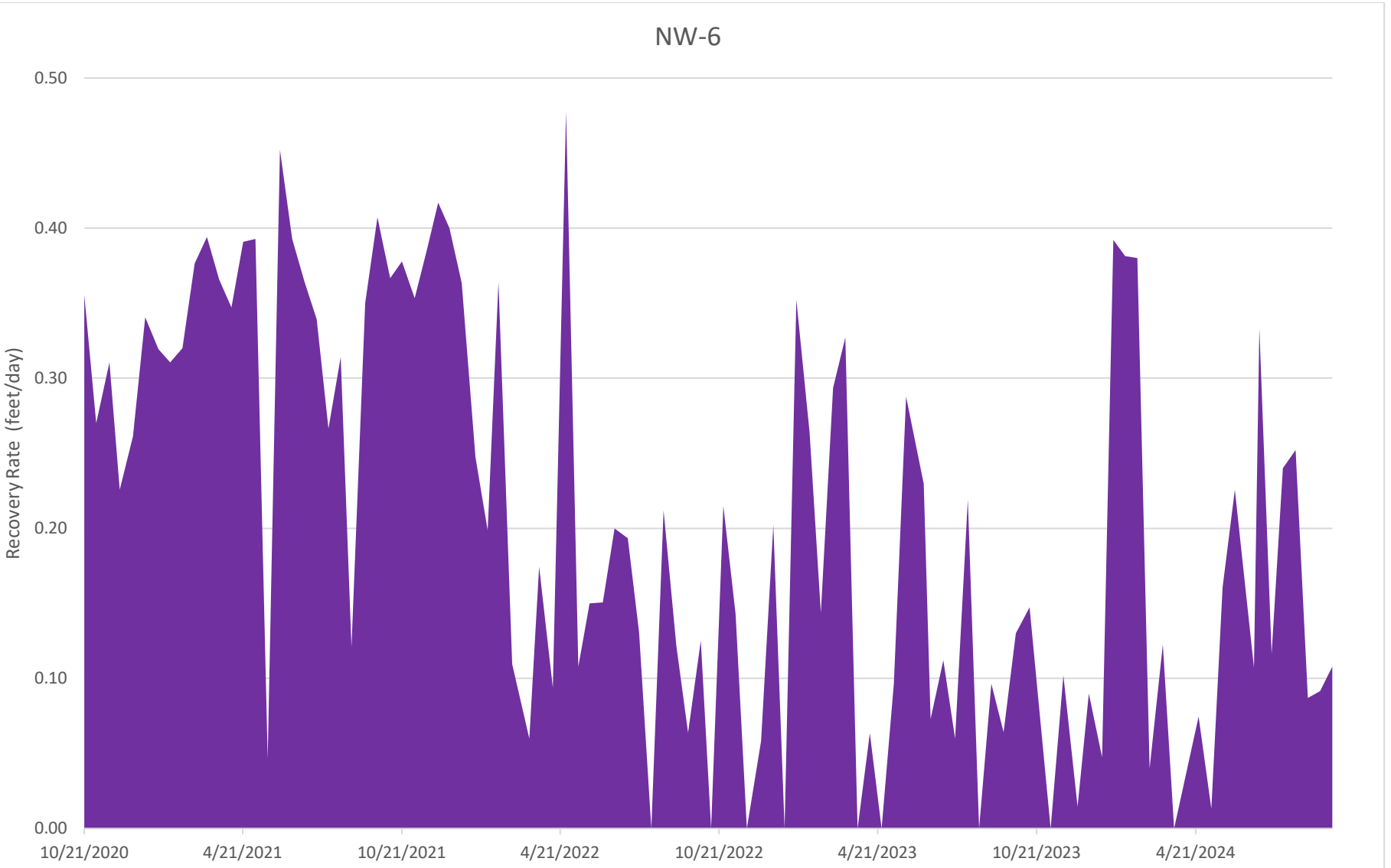
EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

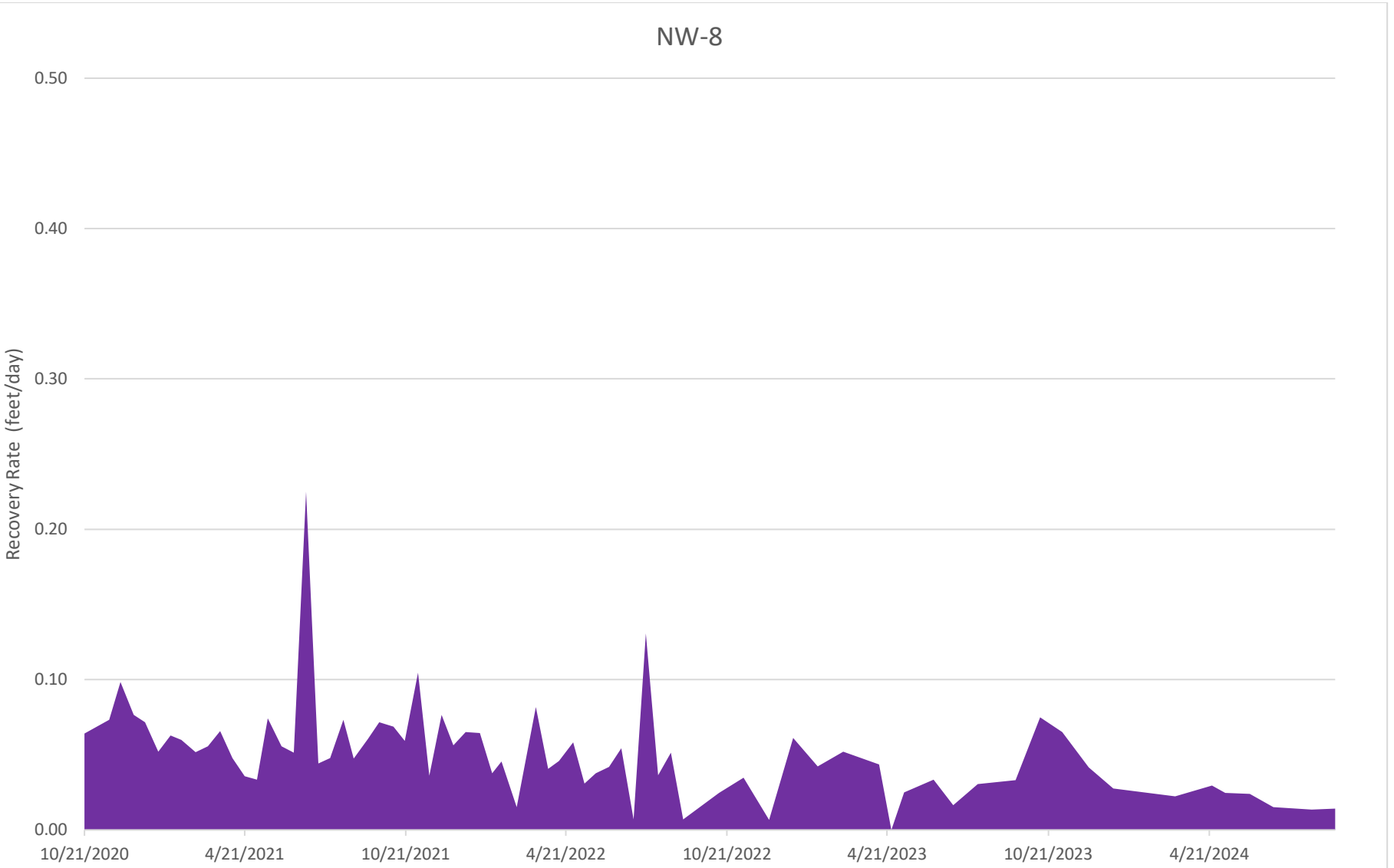
Attachment B Recovery Rate Graphs



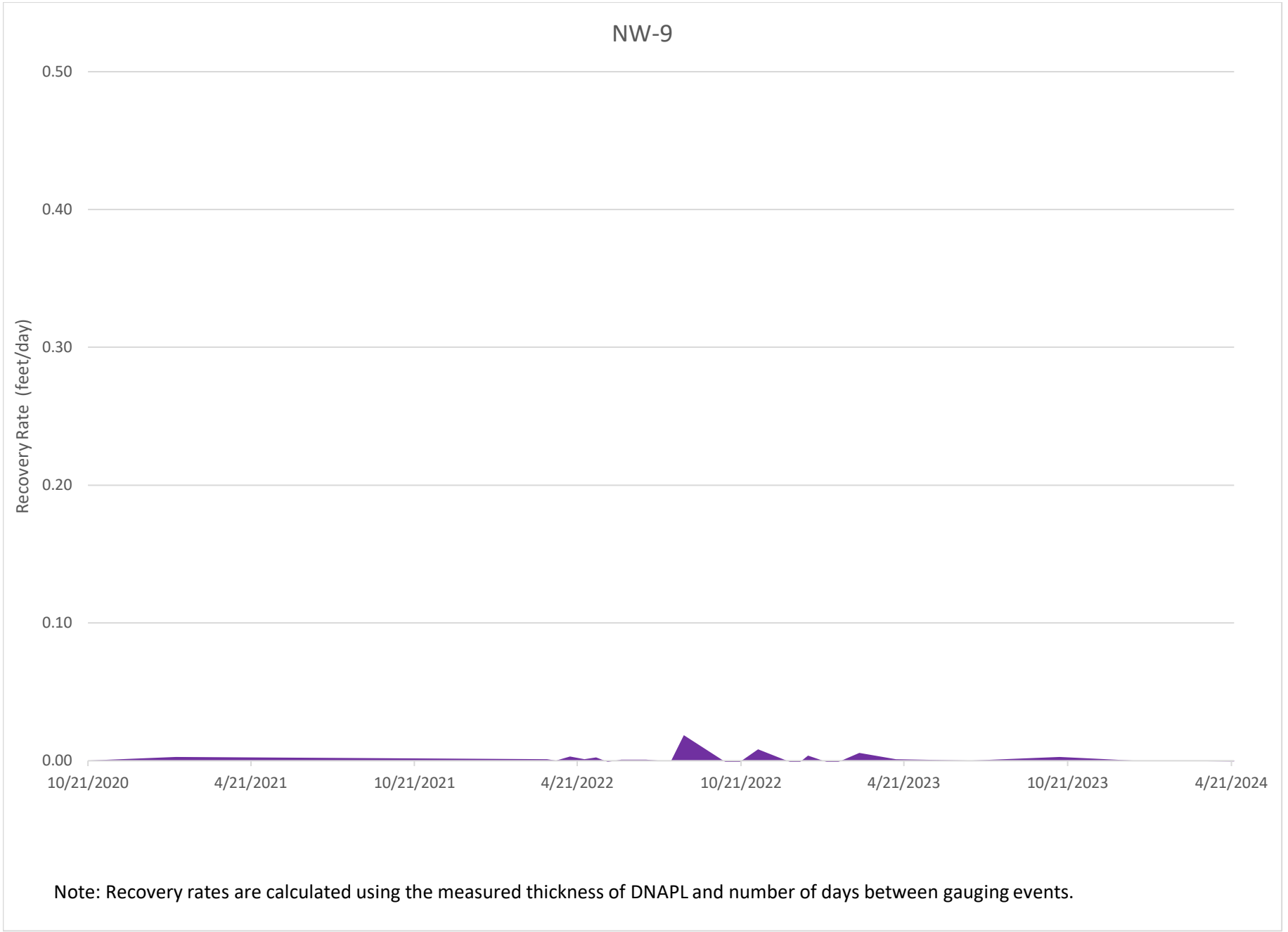
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



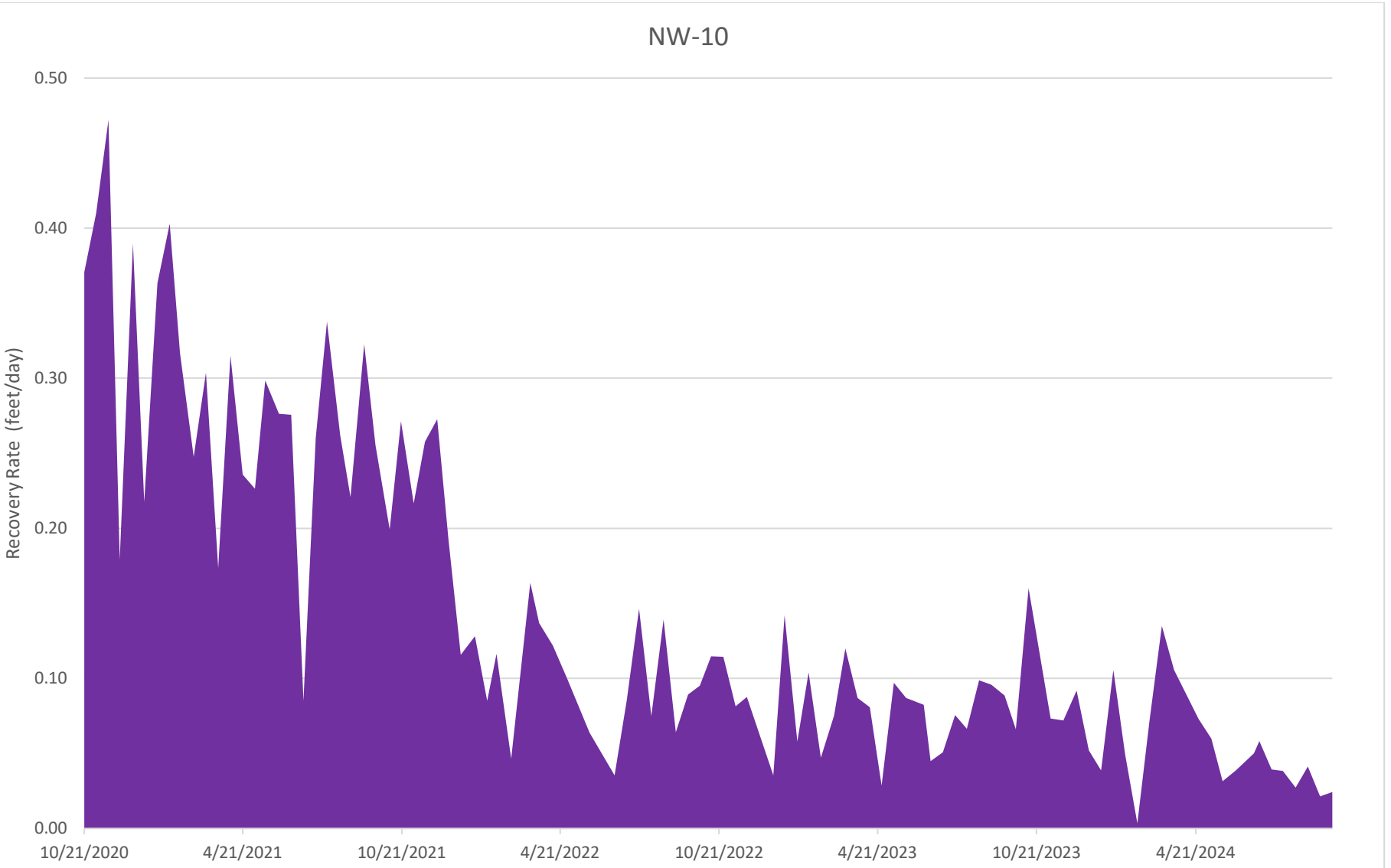
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



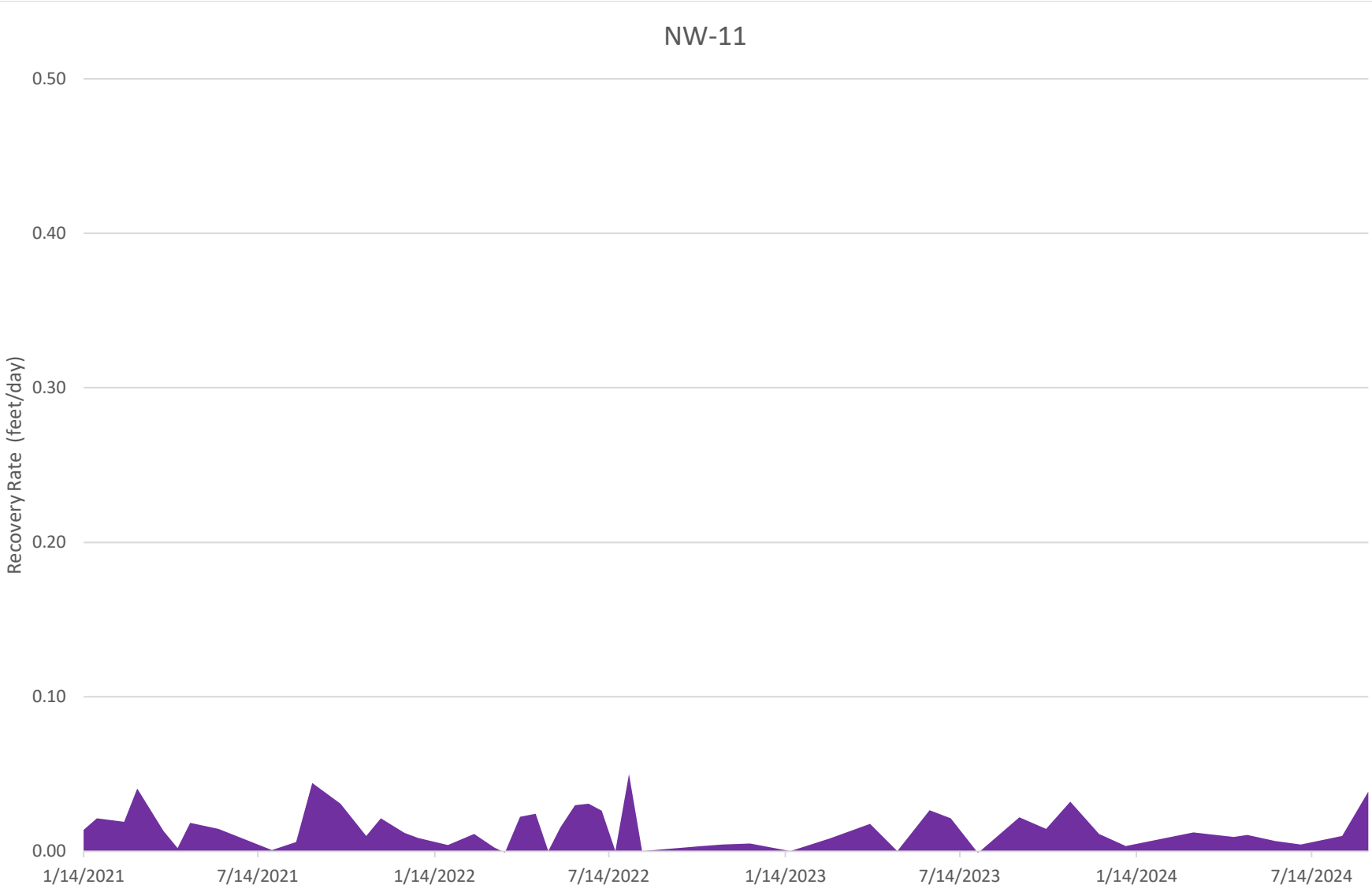
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.

January 24, 2025
Project No. 2201010

VIA EMAIL: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Progress Report – Fourth Quarter 2024
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Starr:

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the fourth quarter of 2024.

Site Activities

During the fourth quarter of 2024, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q4 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. On October 9, 2024, dedicated airlift pumps were installed in wells NW-5 and NW-6. These pumps were subsequently used for recovery at these locations. DNAPL gauging and recovery amounts for the Q4 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55-gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On October 9, November 6, and December 4, 2024, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q4 are provided in Attachment A. DNAPL recovery rates are shown in Attachment B.

A total of approximately 121.0 gallons of DNAPL were recovered during the reporting period. Since the start of 2024, a total of 419.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2024 are summarized in Table 3.

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q1 2025:

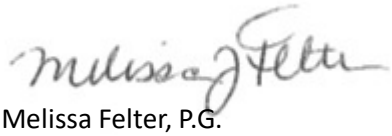
- Complete DNAPL gauging and removal in Q1 2025 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, while long-term trends and alternate recovery methods are evaluated.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q1 2025.

If you have any questions or require any further information, please contact Melissa Abt at Con Edison at 718.204.4331 or via electronic mail at abtm@coned.com.

Sincerely,

GEI Consultants, Inc., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager



Melissa Felter, P.G.
Project Manager

MO/MF:bdp
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\Monthly Reports\2024\Q4\PCW\report.C360099.PCW-QuarterlyReport_Q4.2024.docx

Attachments

Table 1. Q4 2024 DNAPL Summary
Table 2. 2024 Well Gauging Measurements
Table 3. 2024 DNAPL Recovery Totals
Figure 1. Site Location Map
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan
Attachment A Waste Disposal Manifests
Attachment B Recovery Rate Graphs

cc: Glen Moran/Jon Vogel/Michael Simpson/ Chadwich Hinckley/Stephanie Lessick, AVB
Marc Godick/Steve Grens, AKRF
Mihir Chokshi/Melissa Abt, Con Edison

Tables

Table 1. Q4 2024 DNAPL Summary

Table 2. 2024 Well Gauging Measurements

Table 3. 2024 DNAPL Recovery Totals

Table 1. Q4 2024 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)						Total DNAPL Removed (Gallons)
	10/9/2024	10/23/2024	11/6/2024	11/20/2024	12/4/2024 - 12/5/2024	12/18/2024	Q4 2024
NW-5	**7.60**	**8.00**	**6.60**	**7.00**	**6.00**	**7.00**	**56.0**
NW-6	**5.68**	**6.00**	**5.70**	**4.13**	**5.18**	**4.50**	**56.0**
NW-8	**0.72**	NA	0.35	NA	0.48	NA	**2.0**
NW-10	0.27	**1.00**	0.44	0.34	**1.50**	0.20	**5.0**
NW-11	0.40	NA	**0.75**	NA	0.42	NA	**2.0**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1	4/25/2024	11:00 AM	6.39	NA	20.35	NA	
NW-3	4/25/2024	11:15 AM	6.62	NA	32.98	NA	
NW-4	4/25/2024	11:30 AM	8.85	NA	43.20	NA	
	5/22/2024	12:00 PM	8.38	NA	43.30	NA	Gauged and bailed to verify LNAPL presence, none found
NW-5	**1/4/2024**	**10:30 AM**	**6.60**	**29.86**	**37.28**	**7.42**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	1/17/2024	NA	NA	NA	NA	NA	No more drum space, could not recover.
	1/31/2024	**9:55 AM**	**7.54**	**29.50**	**37.30**	**7.80**	**Pre-pumping measurement ~20 gallons removed (buffalo pump)**
	2/15/2024	12:00 PM	7.77	29.90	36.57	6.67	Pump malfunction, could not recover.
	2/28/2024	**11:35 AM**	**8.49**	**29.70**	**37.18**	**7.48**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**11:30 AM**	**7.01**	**29.48**	**37.38**	**7.90**	**Pre-pumping measurement ~7.5 gallons removed**
	3/27/2024	**12:00 PM**	**7.21**	**29.97**	**37.18**	**6.29**	**Pre-pumping measurement ~4 gallons removed**
	4/25/2024	**9:00 AM**	**8.20**	**28.75**	**37.25**	**8.50**	**Pre-pumping measurement ~7.5 gallons removed**
	5/9/2024	**11:00 AM**	**8.30**	**29.48**	**37.23**	**7.75**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**11:00 AM**	**6.81**	**29.51**	**37.31**	**7.80**	**Pre-pumping measurement ~5 gallons removed**
	6/5/2024	**10:00 AM**	**7.47**	**31.06**	**37.31**	**6.25**	**Pre-pumping measurement ~4.5 gallons removed**
	6/27/2024	**11:15 AM**	**8.52**	**29.61**	**37.21**	**7.60**	**Pre-pumping measurement ~5 gallons removed**
	7/3/2024	**11:25 AM**	**8.60**	**30.08**	**37.28**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	7/17/2024	**10:15 AM**	**6.75**	**29.66**	**37.31**	**7.65**	**Pre-pumping measurement ~5 gallons removed**
	7/30/2024	**10:45 AM**	**9.82**	**29.87**	**37.07**	**7.20**	**Pre-pumping measurement ~4 gallons removed**
	8/14/2024	**10:20 AM**	**7.30**	**30.65**	**37.13**	**6.48**	**Pre-pumping measurement ~4 gallons removed**
	8/28/2024	NA	NA	NA	NA	NA	Equipment malfunction, could not recover.
	9/11/2024	**12:15 PM**	**7.50**	**29.25**	**37.25**	**8.00**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**10:45 AM**	**8.20**	**29.39**	**37.29**	**7.90**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	10/9/2024	**12:00 PM**	**8.57**	**29.65**	**37.25**	**7.60**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	10/23/2024	**10:25 AM**	**9.31**	**29.39**	**37.39**	**8.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	11/6/2024	**11:30 AM**	**8.60**	**30.69**	**37.29**	**6.60**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	11/20/2024	**10:55 AM**	**7.87**	**30.29**	**37.29**	**7.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	12/4/2024	**10:15 AM**	**8.24**	**31.39**	**37.39**	**6.00**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	12/18/2024	**10:25 AM**	**8.95**	**30.39**	**37.39**	**7.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
NW-6	**1/4/2024**	**9:00 AM**	**9.01**	**31.60**	**36.80**	**5.20**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/17/2024	**10:10 AM**	**8.97**	**31.70**	**36.80**	**5.10**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	1/31/2024	**1:45 PM**	**8.00**	**33.76**	**36.80**	**5.34**	**Pre-pumping measurement ~15 gallons removed (buffalo pump)**
	2/14/2024	**12:55 PM**	**8.68**	**31.40**	**36.66**	**5.26**	**Pre-pumping measurement ~5 gallons removed**
	2/28/2024	**9:40 AM**	**9.40**	**31.66**	**36.66**	**5.00**	**Pre-pumping measurement ~5 gallons removed**
	3/14/2024	**8:45 AM**	**8.75**	**29.96**	**36.80**	**6.84**	**Pre-pumping measurement ~2 gallons removed (metal pipe blocked air line)**
	3/27/2024	**9:15 AM**	**9.32**	**30.78**	**36.80**	**6.02**	**Pre-pumping measurement ~5 gallons removed**
	4/24/2024	8:45 AM	8.54	31.15	36.80	5.65	Tubing malfunction, could not recover.
	5/9/2024	**9:00 AM**	**8.18**	**30.97**	**36.82**	**5.85**	**Pre-pumping measurement ~5 gallons removed**
	5/22/2024	**9:30 AM**	**8.65**	**31.31**	**36.80**	**5.49**	**Pre-pumping measurement ~4.5 gallons removed**
	6/5/2024	**9:00 AM**	**8.81**	**30.45**	**36.80**	**6.35**	**Pre-pumping measurement ~5.5 gallons removed**
	6/27/2024	**9:15 AM**	**9.00**	**31.24**	**36.80**	**5.56**	**Pre-pumping measurement ~4.5 gallons removed**
	7/3/2024	**9:15 AM**	**8.80**	**31.34**	**36.80**	**5.46**	**Pre-pumping measurement ~4.5 gallons removed**
	7/17/2024	**8:30 AM**	**8.85**	**31.74**	**36.80**	**5.06**	**Pre-pumping measurement ~4 gallons removed**
	7/30/2024	**9:00 AM**	**8.12**	**30.20**	**36.80**	**6.60**	**Pre-pumping measurement ~5 gallons removed**
	8/14/2024	**8:40 AM**	**8.84**	**30.04**	**36.80**	**6.76**	**Pre-pumping measurement ~5 gallons removed**
	8/28/2024	9:00 AM	8.68	31.28	36.80	5.52	Equipment malfunction, could not recover.
	9/11/2024	**11:15 AM**	**9.80**	**30.00**	**36.80**	**6.80**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	9/25/2024	**9:45 AM**	**8.50**	**31.79**	**36.80**	**5.01**	**Pre-pumping measurement ~10 gallons removed (buffalo pump)**
	10/9/2024	**11:15 AM**	**9.32**	**31.12**	**36.80**	**5.68**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	10/23/2024	**9:45 AM**	**9.21**	**31.12**	**37.12**	**6.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	11/6/2024	**11:00 AM**	**9.60**	**31.10**	**36.80**	**5.70**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	11/20/2024	**10:25 AM**	**9.98**	**32.67**	**36.80**	**4.13**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	12/4/2024	**9:00 AM**	**9.59**	**31.62**	**36.80**	**5.18**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	12/18/2024	**9:25 AM**	**9.38**	**32.30**	**36.80**	**4.50**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-7	4/25/2024	10:35 AM	9.60	NA	22.87	NA	
NW-8	**1/3/2024**	**10:00 AM**	**10.36**	**35.35**	**36.15**	**0.80**	**Pre-pumping measurement ~2 gallons removed**
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**9:15 AM**	**9.98**	**34.62**	**36.22**	**1.60**	**Pre-pumping measurement ~4 gallons removed**
	4/24/2024	**12:30 PM**	**9.60**	**34.98**	**36.23**	**1.25**	**Pre-pumping measurement ~3 gallons removed**
	5/9/2024	10:30 AM	9.74	35.85	36.23	0.38	
	6/6/2024	**11:30 AM**	**9.54**	**35.17**	**36.22**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
	7/3/2024	10:15 AM	10.30	35.90	36.26	0.42	
	8/15/2024	**10:25 AM**	**10.77**	**35.21**	**36.21**	**1.00**	**Pre-pumping measurement ~2.5 gallons removed**
	9/11/2024	9:00 AM	10.75	35.80	36.19	0.39	
	10/9/2024	**9:15 AM**	**10.52**	**35.53**	**36.25**	**0.72**	**Pre-pumping measurement ~2 gallons removed**
	11/6/2024	9:00 AM	11.10	35.85	36.20	0.35	
	12/5/2024	10:25 AM	10.27	35.72	36.20	0.48	
NW-9	1/3/2024	10:15 AM	10.40	33.06	33.36	0.30	
	4/24/2024	12:45 PM	9.77	33.08	33.33	0.25	
NW-10	**1/3/2024**	**11:00 AM**	**10.46**	**33.07**	**33.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	1/17/2024	**9:10 AM**	**10.40**	**32.10**	**33.60**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	1/31/2024	8:35 AM	10.82	32.82	33.62	0.70	Pump malfunction, could not recover.
	2/14/2024	**9:30 AM**	**10.33**	**32.99**	**33.74**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	2/28/2024	**10:20 AM**	**11.05**	**32.71**	**33.73**	**1.02**	**Pre-pumping measurement ~2 gallons removed**
	3/13/2024	**10:20 AM**	**10.22**	**31.67**	**33.57**	**1.90**	**Pre-pumping measurement ~4.5 gallons removed**
	3/27/2024	**11:10 AM**	**9.81**	**32.01**	**33.51**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	**1:05 PM**	**9.50**	**31.55**	**33.60**	**2.05**	**Pre-pumping measurement ~6 gallons removed**
	5/9/2024	**10:00 AM**	**10.11**	**32.54**	**33.45**	**0.91**	**Pre-pumping measurement ~2 gallons removed**
	5/22/2024	10:20 AM	9.91	33.10	33.52	0.42	
	6/6/2024	**11:00 AM**	**9.94**	**32.62**	**33.62**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	6/27/2024	**10:45 AM**	**10.67**	**32.56**	**33.61**	**1.05**	**Pre-pumping measurement ~2 gallons removed**
	7/3/2024	10:25 AM	10.46	33.28	33.64	0.36	
	7/17/2024	**9:45 AM**	**10.33**	**32.84**	**33.39**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	7/30/2024	**12:50 PM**	**10.57**	**32.87**	**33.38**	**0.51**	**Pre-pumping measurement ~1.5 gallons removed**
	8/14/2024	11:15 AM	9.74	33.19	33.61	0.42	
	8/28/2024	**11:00 AM**	**9.81**	**32.58**	**33.58**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	9:20 AM	10.60	33.09	33.40	0.31	
	9/25/2024	**9:15 AM**	**9.85**	**32.95**	**33.60**	**0.65**	**Pre-pumping measurement ~1.5 gallons removed**
	10/9/2024	9:00 AM	10.58	33.32	33.59	0.27	
	10/23/2024	**12:10 PM**	**10.86**	**32.60**	**33.60**	**1.00**	**Pre-pumping measurement ~2 gallons removed**
	11/6/2024	9:10 AM	11.20	33.08	33.52	0.44	
	11/20/2024	9:50 AM	10.53	33.17	33.51	0.34	
	12/5/2024	**9:45 AM**	**10.92**	**32.03**	**33.53**	**1.50**	**Pre-pumping measurement ~3 gallons removed**
	12/18/2024	11:40 AM	10.92	33.33	33.53	0.20	
NW-10S	4/24/2024	1:15 PM	10.04	NA	17.85	NA	

Table 2. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-11	1/3/2024	9:40 AM	3.80	22.38	22.83	0.45	
	2/15/2024	NA	NA	NA	NA	NA	Pump malfunction, could not recover.
	3/13/2024	**11:30 AM**	**3.75**	**21.51**	**22.81**	**1.30**	**Pre-pumping measurement ~3 gallons removed**
	4/24/2024	11:00 AM	3.90	22.44	22.84	0.40	
	5/8/2024	**12:00 PM**	**4.11**	**22.07**	**22.62**	**0.55**	**Pre-pumping measurement ~1.5 gallons removed**
	6/6/2024	9:00 AM	3.88	22.65	22.85	0.20	
	7/3/2024	10:35 AM	4.50	22.37	22.69	0.32	
	8/15/2024	**10:00 AM**	**3.94**	**21.97**	**22.72**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	9/11/2024	**9:45 AM**	**4.38**	**21.80**	**22.85**	**1.05**	**Pre-pumping measurement ~2.5 gallons removed**
	10/9/2024	10:00 AM	4.92	22.46	22.86	0.40	
	11/6/2024	**9:20 AM**	**5.30**	**22.14**	**22.89**	**0.75**	**Pre-pumping measurement ~2 gallons removed**
	12/5/2024	11:05 AM	4.74	22.43	22.85	0.42	
NW-12	4/25/2024	10:20 AM	3.91	NA	21.11	NA	

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2024 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

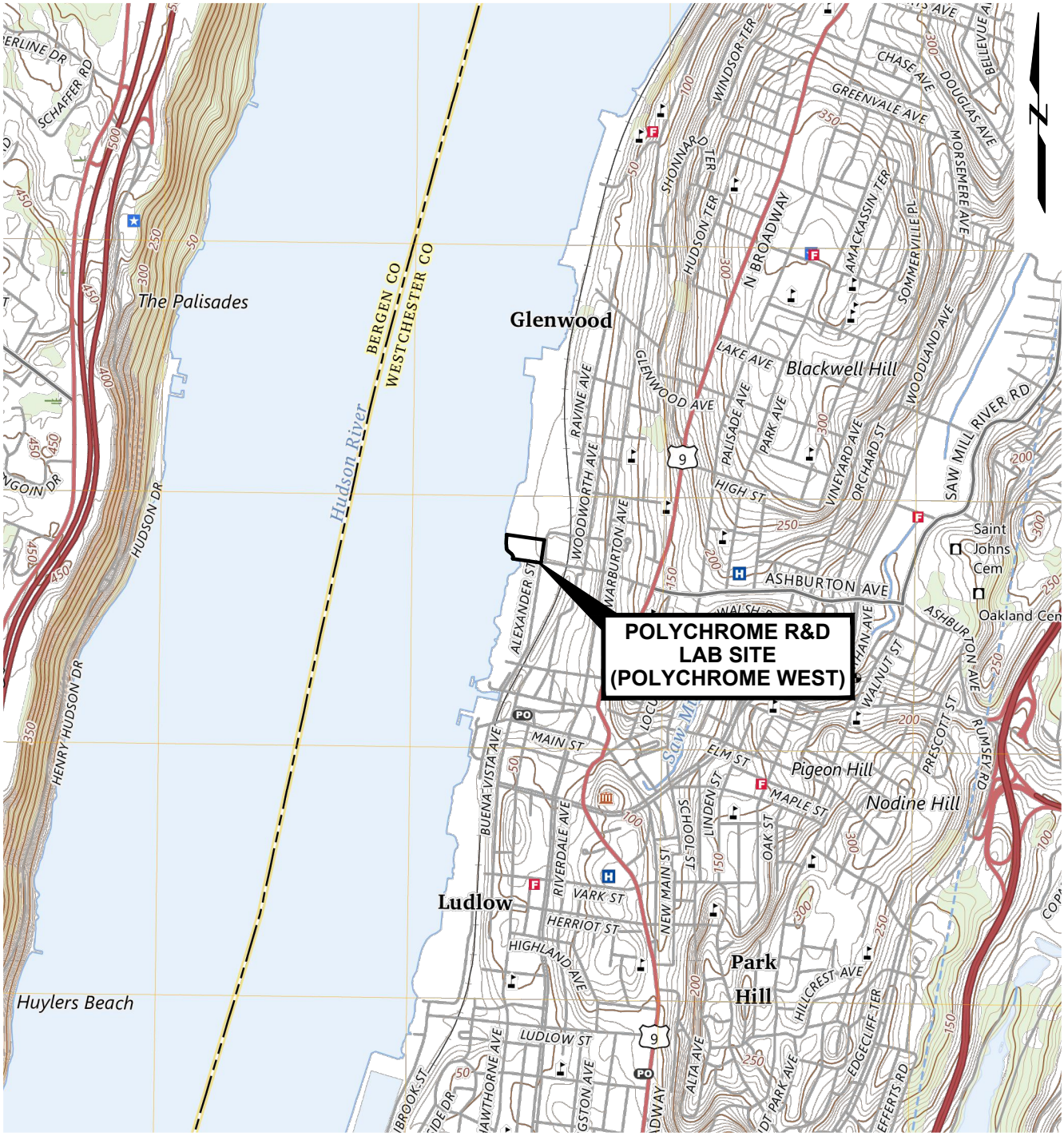
	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-5	**40.0**	**5.0**	**11.5**	**7.5**	**10.0**	**9.5**	**13.0**	**4.0**	**20.0**	**20.0**	**18.0**	**18.0**	**176.50**
NW-6	**45.0**	**10.0**	**7.0**	NA	**9.5**	**10.0**	**13.5**	**5.0**	**20.0**	**20.0**	**18.0**	**18.0**	**176.00**
NW-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-8	**2.0**	NA	**4.0**	**3.0**	NA	**2.5**	NA	**2.5**	NA	**2.0**	NA	NA	**16.00**
NW-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
NW-10	**4.5**	**4.0**	**7.5**	**6.0**	**2.0**	**4.0**	**3.0**	**2.0**	**1.5**	**2.0**	NA	**3.0**	**39.50**
NW-11	NA	NA	**3.0**	NA	**1.5**	NA	NA	**2.0**	**2.5**	NA	**2.0**	NA	**11.00**
NW-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00**
Event Total	**91.50**	**19.00**	**33.00**	**16.50**	**23.00**	**26.00**	**29.50**	**15.50**	**44.00**	**44.00**	**38.00**	**39.00**	**419.00**
Date Generated	1/3/2024, 1/4/2024, 1/17/2024, 1/31/2024	2/14/2024, 2/15/2024, 2/28/2024	3/13/2024, 3/14/2024, 3/27/2024	4/24/2024, 4/25/2024	5/8/2024, 5/9/2024, 5/22/2024	6/5/2024, 6/6/2024, 6/27/2024	7/3/2024, 7/17/2024, 7/30/2024	8/14/2024, 8/15/2024, 8/28/2024	9/11/2024, 9/25/2024	10/9/2024, 10/23/2024	11/6/2024, 11/20/2024	12/4/2024, 12/5/2024, 12/18/2024	
Off-Site Disposal Date	1/3/2024, 1/31/2024	2/28/2024	3/27/2024	4/24/2024, 5/9/2024	5/9/2024, 6/6/2024	6/6/2024, 7/3/2024	7/3/2024, 8/14/2024	8/14/2024, 9/11/2024	9/11/2024, 10/9/2024	10/9/2024, 11/6/2024	11/6/2024, 12/4/2024	12/4/2024	
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

Figure 1. Site Location Map

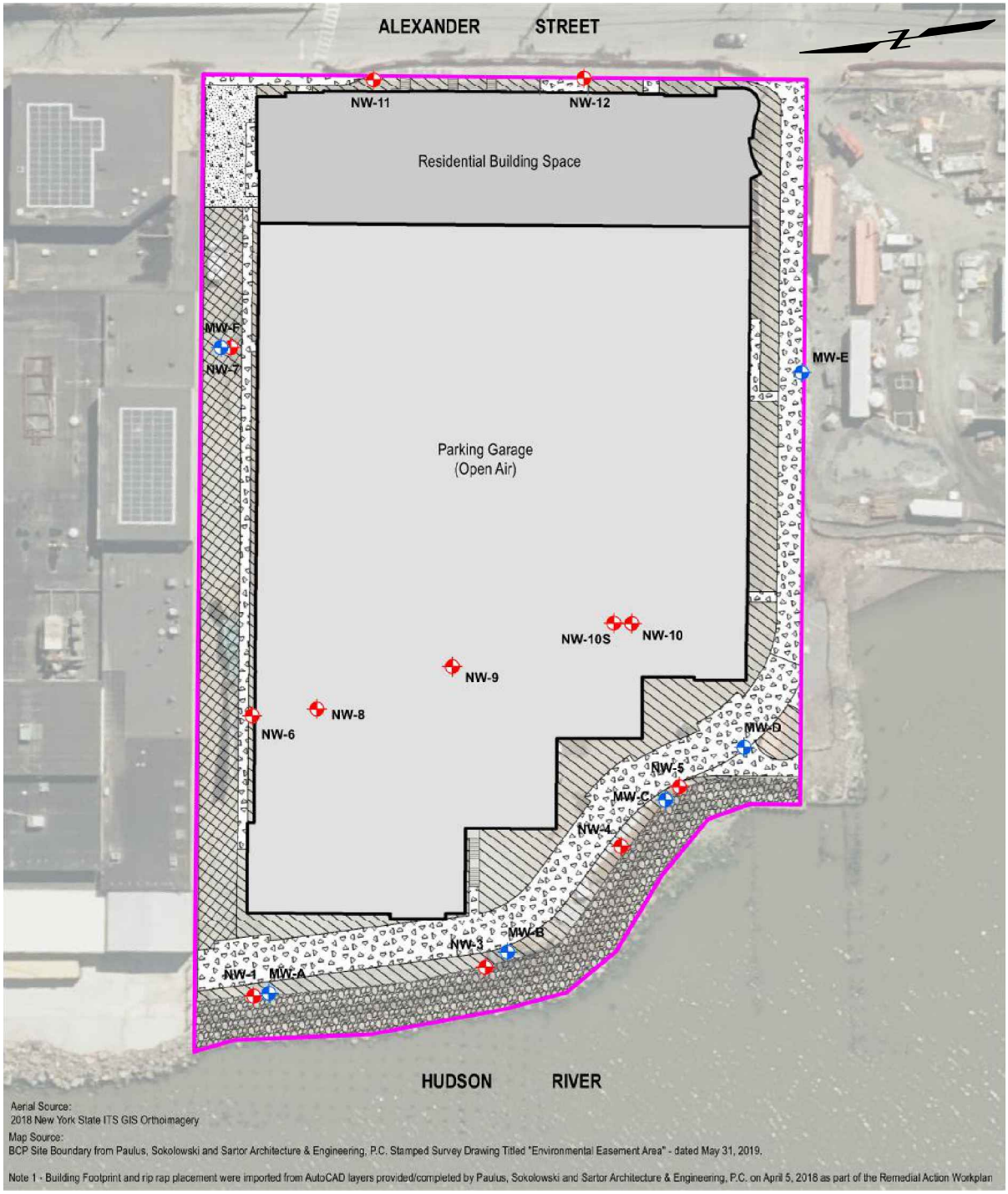
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan



SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	January 2025 Fig. 1



LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)

0 80 160

SCALE: 1" = 80'

Quarterly Progress Report
Polychrome West (PCW)
Yonkers, New York

Consolidated Edison Company of New York, Inc.
Long Island City, New York

GEI Consultants

NAPL RECOVERY AND GROUNDWATER MONITORING WELLS

Project 2201010

January 2025 Fig. 2

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023

Attachment A Waste Disposal Manifests

2826387

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000254706
2. Page 1 of: 1
3. Emergency Response Phone: 8606089717
4. Manifest Tracking Number: 020026248 FLE

GENERATOR

5. Generator's Name and Mailing Address:
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address):
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc.
U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004

U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	55	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	2	DM	110	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2826387

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mike Holmes 56627
Signature:
Month: 12 Day: 4 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chris Hall
Signature:
Month: 12 Day: 4 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Morias
Signature:
Month: 12 Day: 4 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	020028353 FLE

GENERATOR

5. Generator's Name and Mailing Address: Consolidated Edison of NY Inc-Att: 31-01 20th Ave- Bldg 136 2nd fl, Astoria, NY 11105
Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address): Consolidated Edison of NY Inc, 80- 94 Alexander St, Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, Inc., 105 Jacobus Ave., Kearny NJ 07032
Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	100	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s. (liquid), 9, PG-III	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134 - Used PPE and sampling equipment
(2)ERG#171:2230800135 - Purge NAPL and Groundwater
(3)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Norberto Alvarez — Signature — Month: 11 Day: 6 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella — Signature — Month: 11 Day: 6 Year: 24
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — Received Pending Manifest Review/Quality Control Data — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Murray — Signature — Month: 11 Day: 7 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	8606089717	020040038 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	1	DM	55	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	3	DM	165	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2749061 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Norberto Alvarez — Signature — Month 10 Day 9 Year 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris C. Fell — Signature — Month 10 Day 9 Year 24

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

Received Pending Manifest Review/Quality Control Data

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

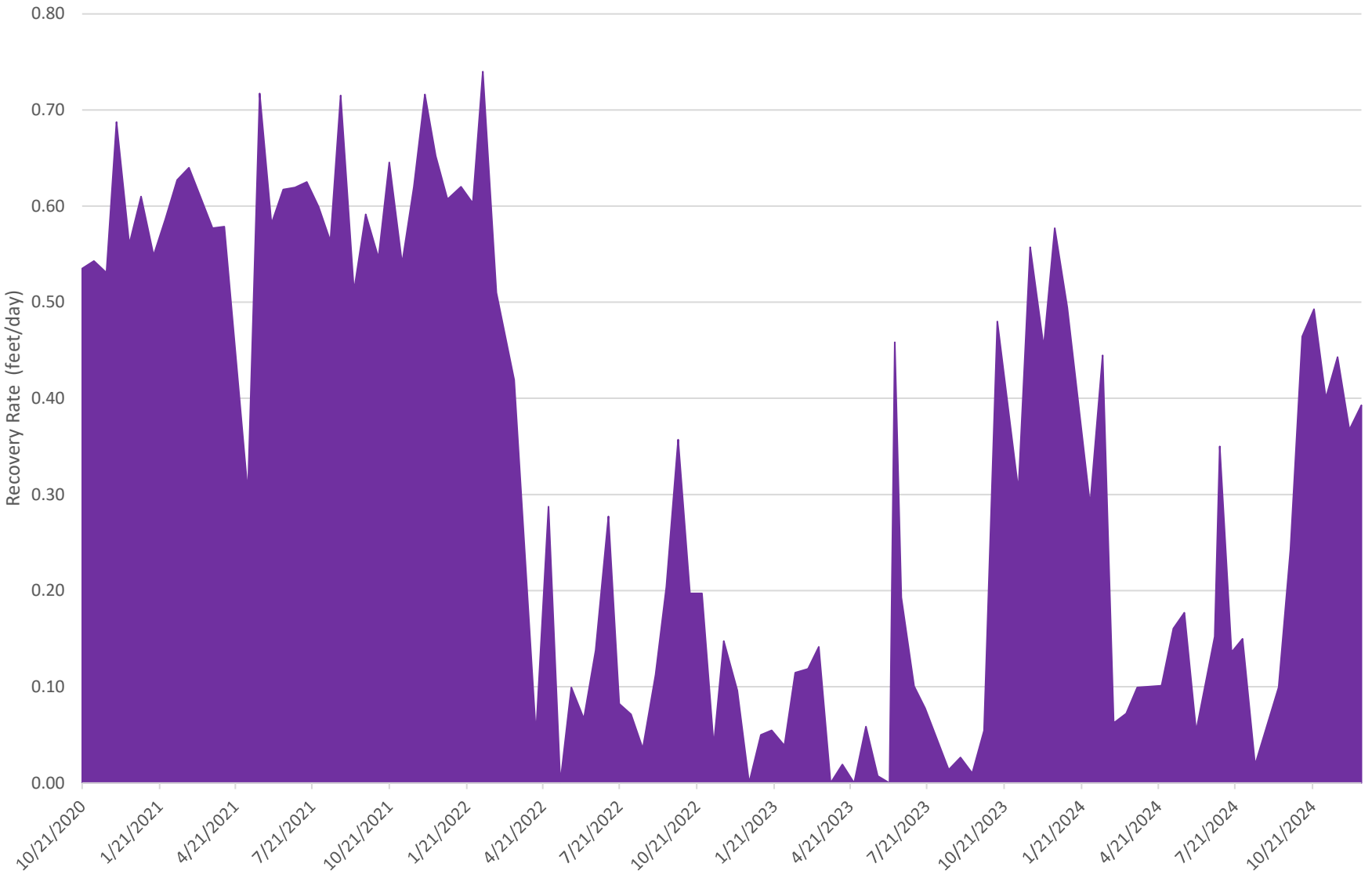
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Morias — Signature — Month 10 Day 11 Year 24

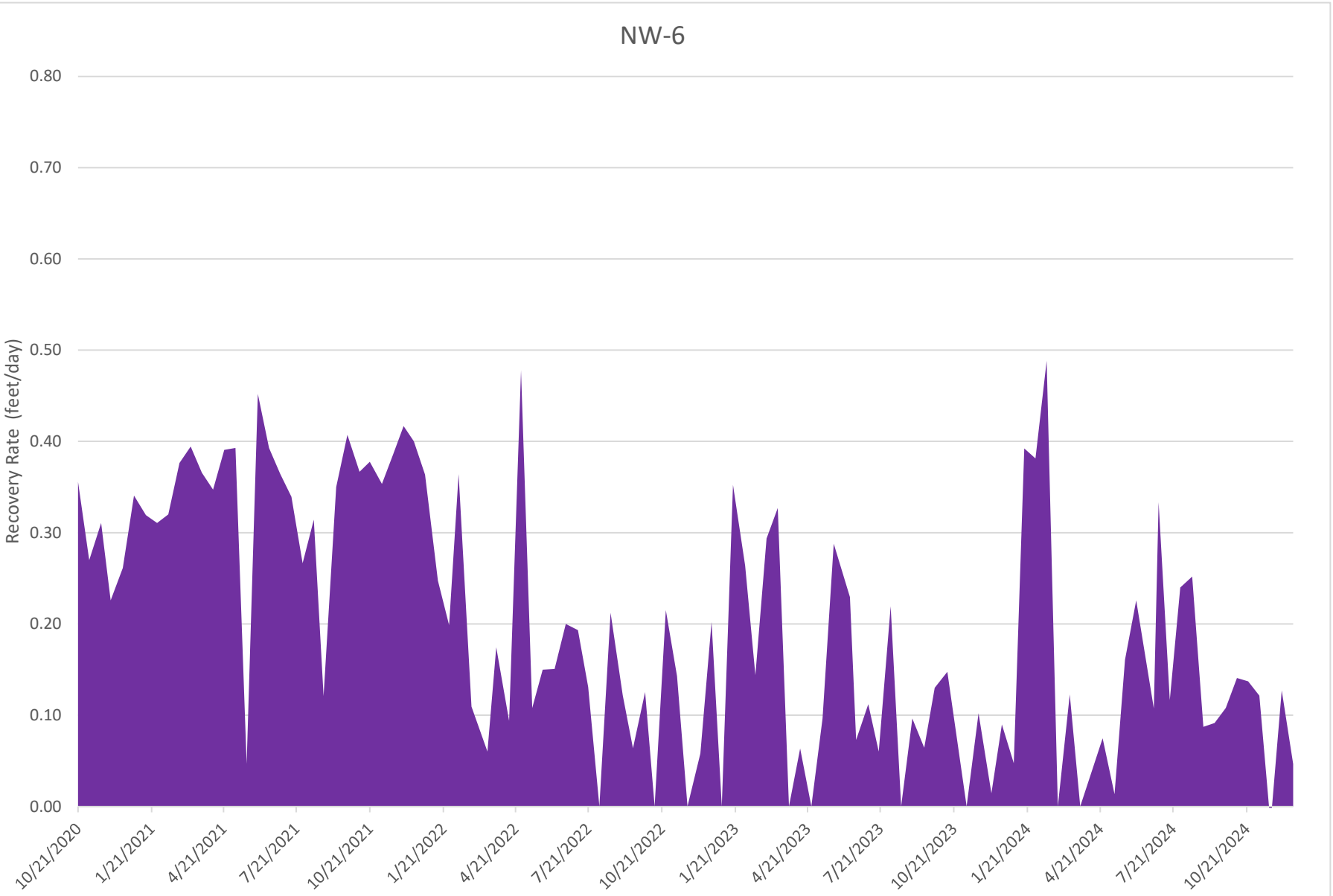
EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

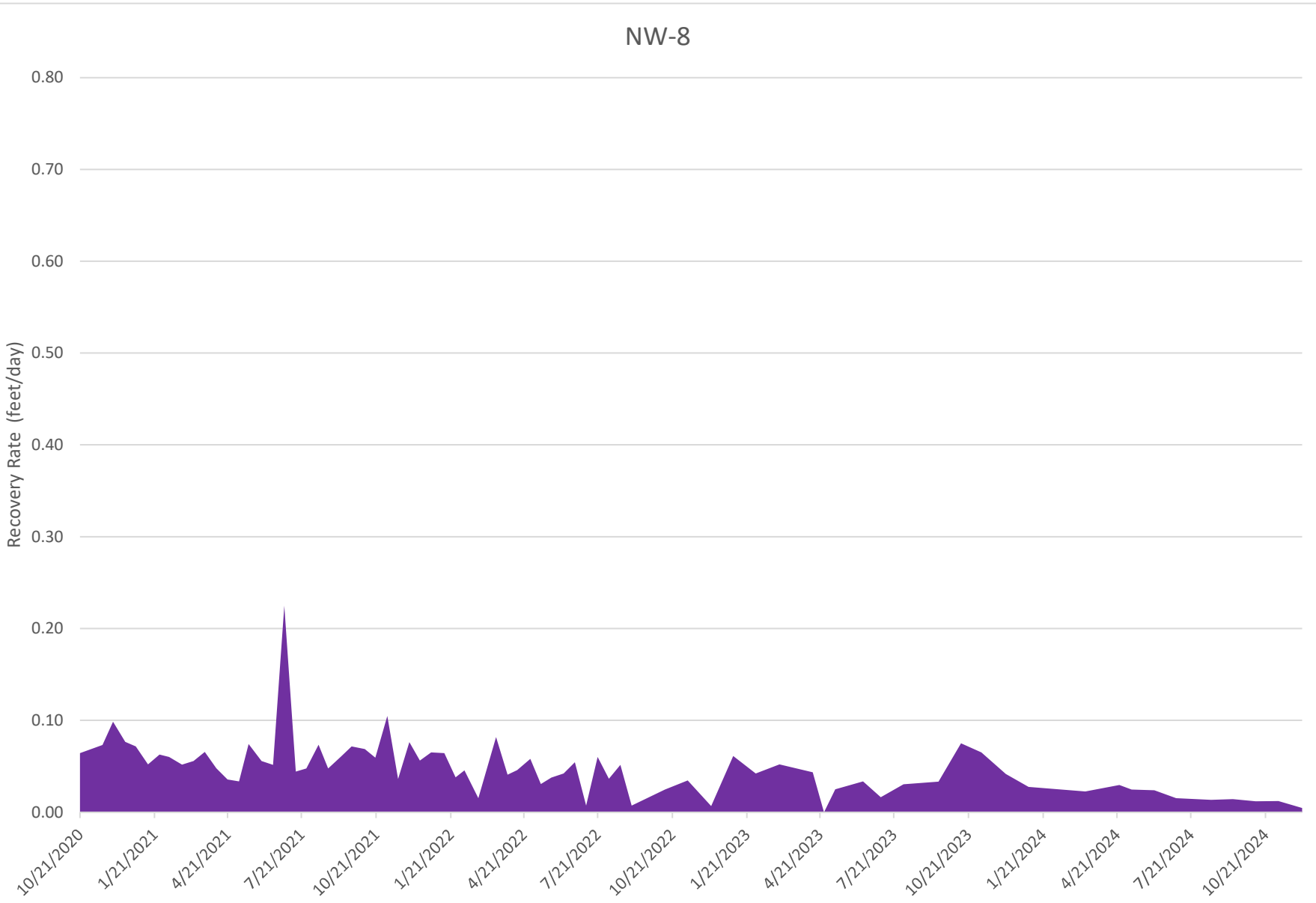
Attachment B Recovery Rate Graphs



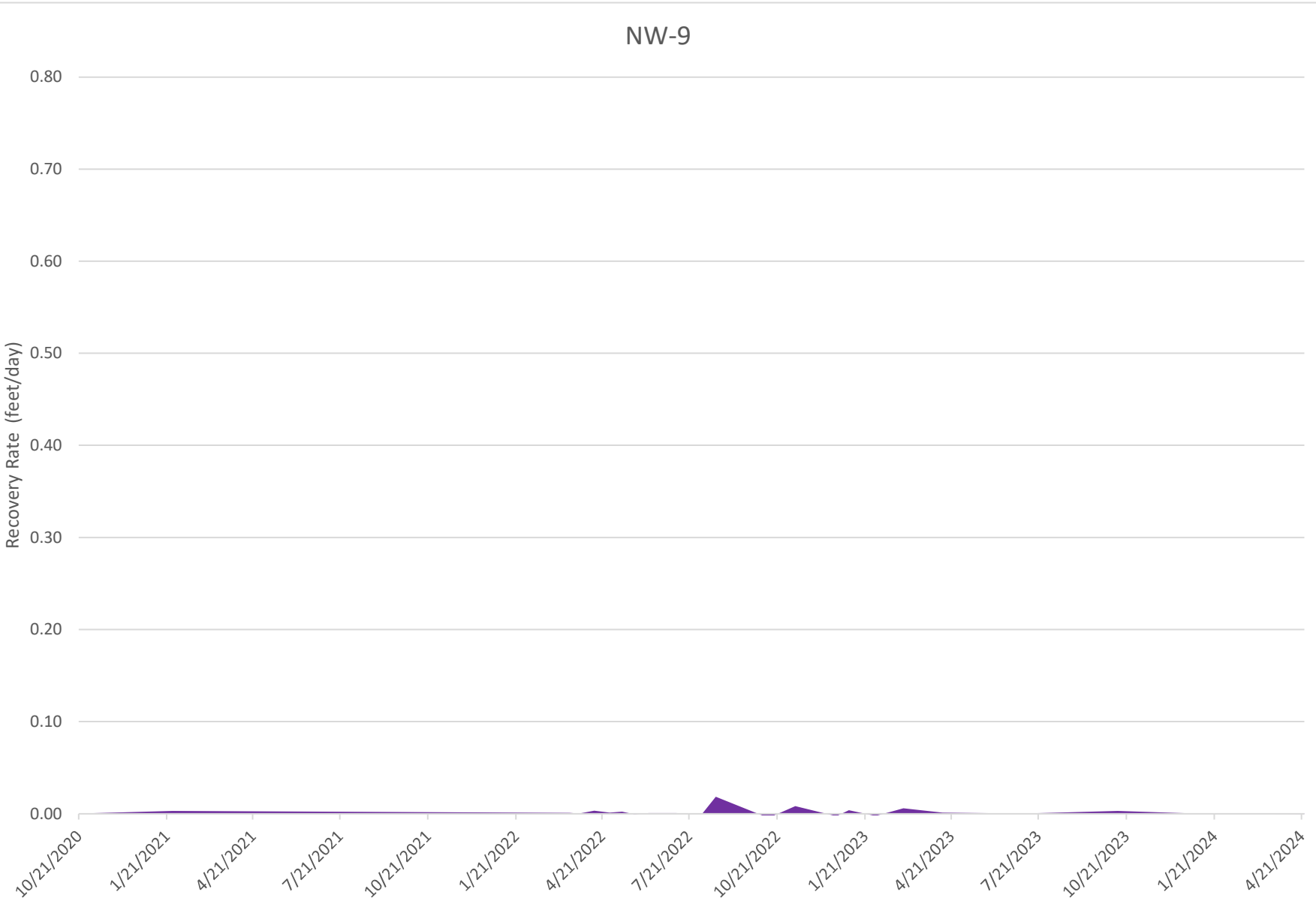
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



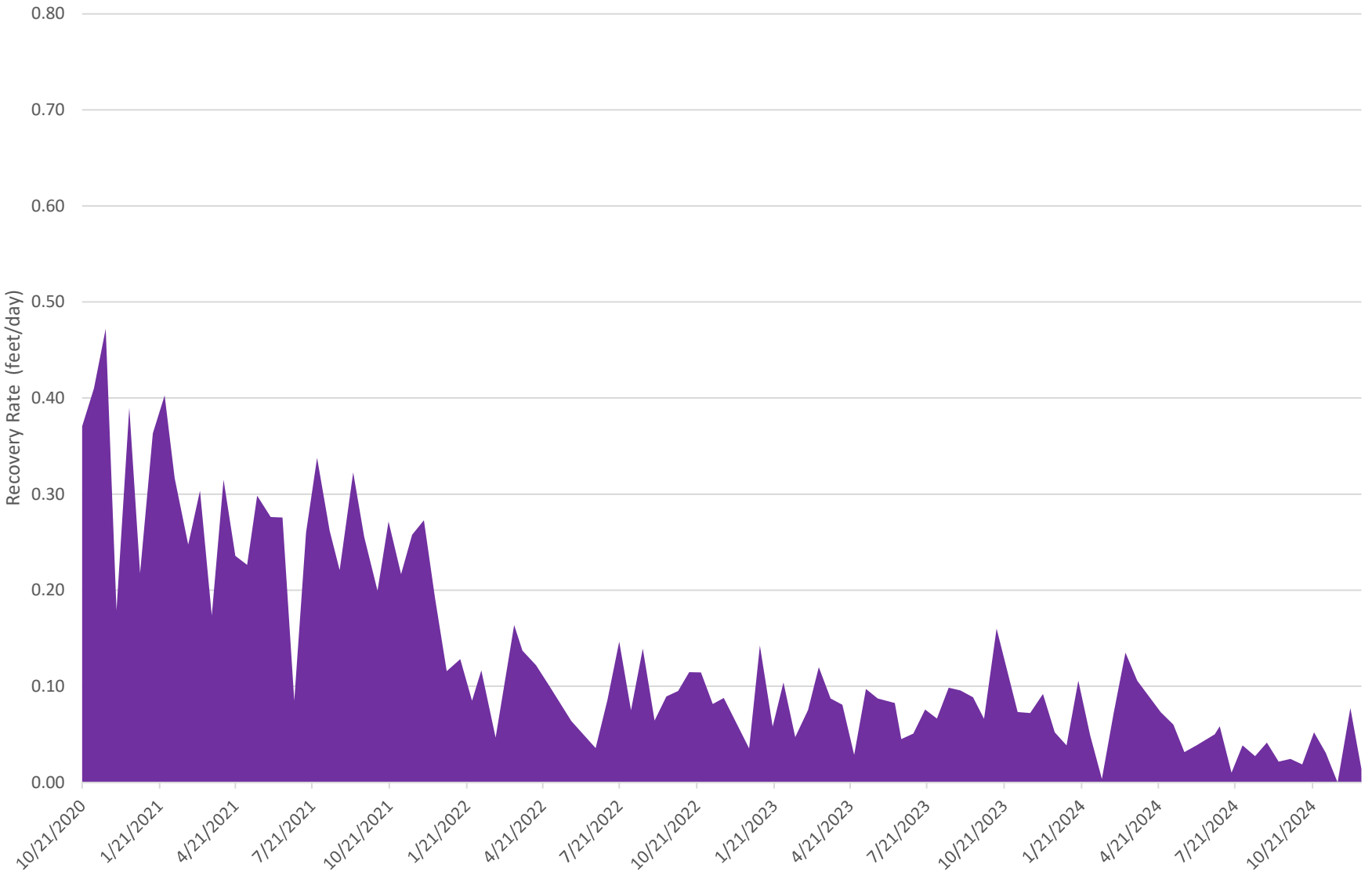
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



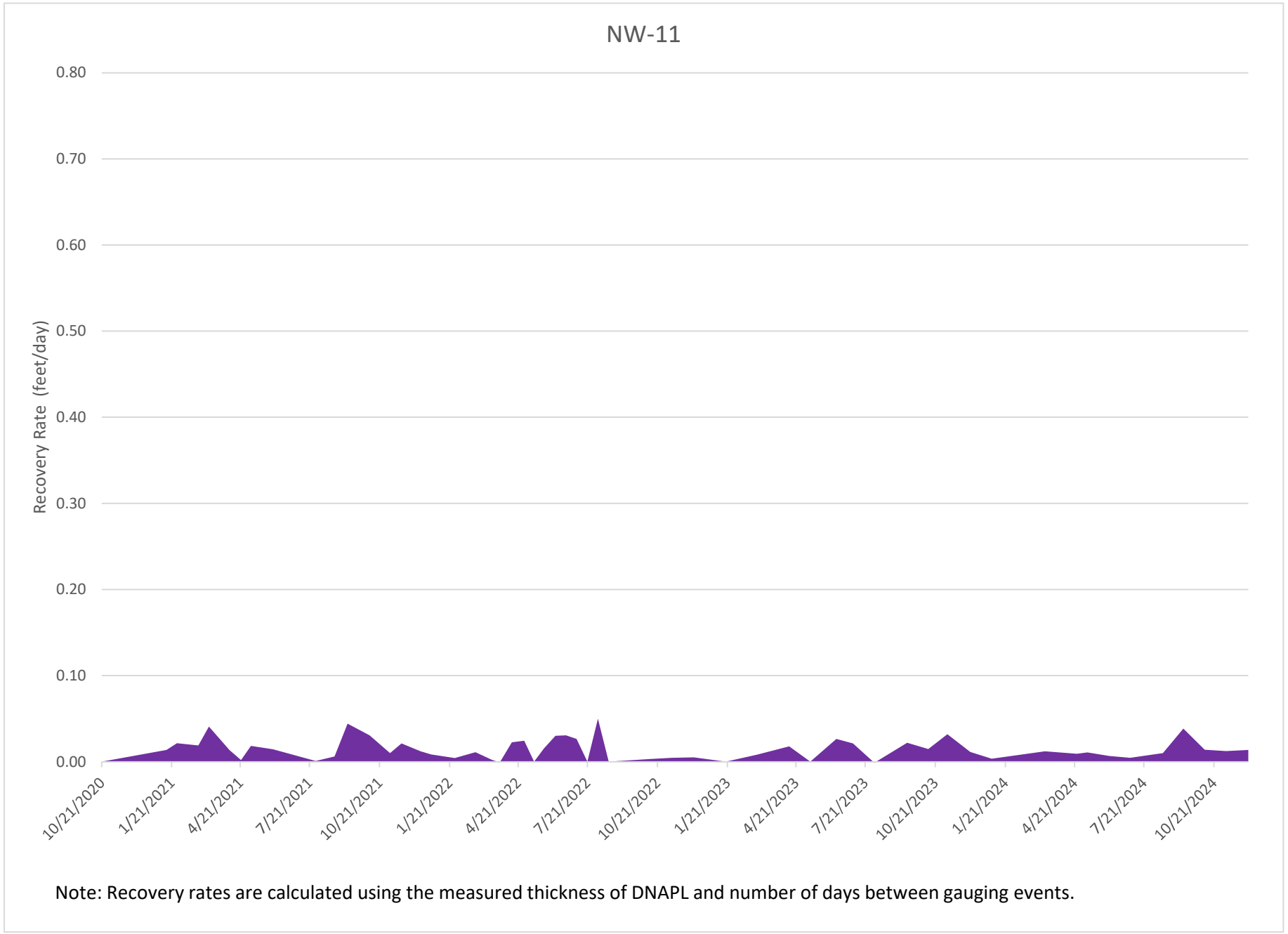
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.

May 13, 2025
Project No. 2201010

VIA EMAIL: justin.starr@dec.ny.gov

Mr. Justin Starr, Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Progress Report – First Quarter 2025
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Starr:

This Progress Report has been prepared by GEI Consultants, Inc., P.C. (GEI), under contract with Consolidated Edison Company of New York (Con Edison) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the first quarter of 2025.

Site Activities

During the first quarter of 2025, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the Q1 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11 as summarized in Table 1. DNAPL measurements from 2024 are provided in Table 2.

DNAPL was removed from recovery wells NW-8, NW-10, and NW-11 using a 2-inch submersible pump and dedicated tubing and from recovery wells NW-5 and NW-6 using submersible gas displacement pumps and dedicated tubing. DNAPL gauging and recovery amounts for the Q4 events are summarized in Table 1.

The recovered DNAPL was containerized in Department of Transportation (DOT)-approved 55 gallon drums, labeled as hazardous waste, and stored on-site in a drum storage area. On January 15 and February 26, 2025, the recovered DNAPL was picked up from the Site for off-site disposal at an appropriate receiving facility. Waste disposal manifests for Q4 are provided in Attachment A. DNAPL recovery rates are shown in Attachment B.

A total of approximately 117.0 gallons of DNAPL were recovered during the reporting period. Since the start of 2025, a total of 117.0 gallons of DNAPL have been removed. DNAPL recovery totals for 2025 are summarized in Table 3.

The current monitoring program was approved by NYSEC on March 3, 2023. DNAPL measurements at NW-1, NW-3, NW-4, NW-7, NW-9, NW-10S, and NW-12 remained below 6-inches for more than one year, therefore gauging at these locations was reduced to annually.

The following work is planned for Q2 2025:

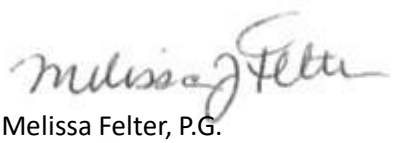
- Complete DNAPL gauging and removal in Q2 2025 using the same methods as described above at a frequency of once every two weeks for NW-5, NW-6, and NW-10, monthly for NW-8 and NW-11, while long-term trends and alternate recovery methods are evaluated.
- Disposal, as needed, of recovered DNAPL and used personal protective equipment and field supplies.
- The next progress report will summarize work performed in Q2 2025.

If you have any questions or require any further information, please contact Matthew Levinson at Con Edison at 646.385.1691 or via electronic mail at levinsonm@coned.com.

Sincerely,

GEI CONSULTANTS, INC., P.C.

Matt O'Neil, P.E.
Vice President, Program Manager



Melissa Felter, P.G.
Project Manager

MO/MF:bdp
B:\Working\CON ED\1901167 PolyChrome East West Sites\01_ADMIN\Data_Sent\Monthly Reports\2025\Q1\PCW\report.C360099.PCW-QuarterlyReport_Q1.2025.docx

Attachments

Table 1. Q1 2025 DNAPL Summary
Table 2. 2025 Well Gauging Measurements
Table 3. 2025 DNAPL Recovery Totals
Figure 1. Site Location Map
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan
Attachment A Waste Disposal Manifests
Attachment B Recovery Rate Graphs

cc: Glen Moran/Jon Vogel/Michael Simpson/ Chadwich Hinckley/Stephanie Lessick, AVB
Marc Godick/Steve Grens, AKRF
Mihir Chokshi/Matthew Levinson, Con Edison

Tables

Table 1. Q1 2025 DNAPL Summary

Table 2. 2025 Well Gauging Measurements

Table 3. 2025 DNAPL Recovery Totals

Table 1. Q1 2025 DNAPL Summary
Polychrome West Site
Yonkers, New York

Recovery Well ID	DNAPL Thickness (feet)							Total DNAPL Removed (Gallons)
	1/2/2025	1/16/2025	1/29/2025	2/12/2025	2/26/2025	3/12/2025	3/26/2025	Q1 2025
NW-5	**6.15**	**6.00**	**7.00**	**6.75**	**7.70**	**6.50**	**7.50**	**38.0**
NW-6	**4.50**	**6.00**	**6.00**	**4.64**	**4.10**	**5.90**	**6.13**	**70.0**
NW-8	**1.10**	NA	NA	NA	NA	0.45	NA	**2.5**
NW-10	0.40	**1.00**	0.20	0.48	0.35	**0.90**	0.20	**4.5**
NW-11	0.47	NA	NA	0.33	NA	**0.85**	NA	**2.0**

Notes: Measured DNAPL thicknesses are estimated
NA - Not Applicable

Table 2. 2025 Well Gauging Measurements
Polychrome West Site
Yonkers, New York

Well ID	Date	Time	Depth to Water (feet)	Depth to DNAPL (feet)	Total Depth (feet)	DNAPL Thickness (feet)	Comments
NW-1							
NW-3							
NW-4							
NW-5	**1/2/2025**	**8:30 AM**	**8.94**	**31.05**	**37.20**	**6.15**	**Pre-pumping measurement ~8 gallons removed (PVC airlift pump)**
	1/16/2025	**10:35 AM**	**9.25**	**31.80**	**37.80**	**6.00**	**Pre-pumping measurement ~6 gallons removed (PVC airlift pump)**
	1/29/2025	**10:25 AM**	**NA**	**30.80**	**37.80**	**7.00**	**Pre-pumping measurement ~6 gallons removed (PVC airlift pump)**
	2/12/2025	**11:00 AM**	**7.50**	**30.80**	**37.55**	**6.75**	**Pre-pumping measurement ~5 gallons removed (PVC airlift pump)**
	2/26/2025	**10:30 AM**	**6.60**	**29.85**	**37.55**	**7.70**	**Pre-pumping measurement ~4 gallons removed (PVC airlift pump)**
	3/12/2025	**11:00 AM**	**9.80**	**31.00**	**37.50**	**6.50**	**Pre-pumping measurement ~4 gallons removed (PVC airlift pump)**
	3/26/2025	**10:00 AM**	**8.25**	**29.83**	**37.33**	**7.50**	**Pre-pumping measurement ~5 gallons removed (PVC airlift pump)**
NW-6	**1/2/2025**	**9:40 AM**	**9.65**	**32.30**	**36.80**	**4.50**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	1/16/2025	**9:45 AM**	**11.05**	**30.80**	**36.80**	**6.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	1/29/2025	**9:50 AM**	**NA**	**31.80**	**36.80**	**6.00**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	2/12/2025	**12:00 PM**	**9.50**	**32.16**	**36.80**	**4.64**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	2/26/2025	**9:30 AM**	**10.00**	**32.70**	**36.80**	**4.10**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	3/12/2025	**10:30 AM**	**9.70**	**30.90**	**36.80**	**5.90**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
	3/26/2025	**9:15 AM**	**8.85**	**30.67**	**36.80**	**6.13**	**Pre-pumping measurement ~10 gallons removed (PVC airlift pump)**
NW-7							
NW-8	**1/2/2025**	**11:00 AM**	**11.05**	**35.11**	**36.21**	**1.10**	**Pre-pumping measurement ~2.5 gallons removed**
	2/12/2025	NA	NA	NA	NA	NA	Well obstructed
	3/12/2025	9:15 AM	8.60	35.80	36.25	0.45	
NW-9							
NW-10	1/2/2025	10:40 AM	11.20	33.15	33.55	0.40	
	1/16/2025	**11:30 AM**	**11.19**	**32.50**	**33.50**	**1.00**	**Pre-pumping measurement ~2.5 gallons removed**
	1/29/2025	9:35 AM	11.13	33.25	33.77	0.20	
	2/12/2025	10:00 AM	10.37	32.96	33.44	0.48	
	2/26/2025	8:30 AM	10.70	33.54	33.89	0.35	
	3/12/2025	**8:45 AM**	**6.78**	**32.40**	**33.30**	**0.90**	**Pre-pumping measurement ~2 gallons removed**
	3/26/2025	8:55 AM	10.48	33.38	33.58	0.20	
NW-10S							
NW-11	1/2/2025	10:20 AM	4.50	22.38	22.85	0.47	
	2/12/2025	10:30 AM	4.02	22.49	22.82	0.33	
	3/12/2025	**9:25 AM**	**5.00**	**21.90**	**22.75**	**0.85**	**Pre-pumping measurement ~2 gallons removed**
NW-12							

Notes:
Pre-pumping event readings are bolded
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable
ND - Not Detected
Recovery Wells NW-5, NW-6 and NW-10 are gauged every 2 weeks.
Recovery Wells NW-8 and NW-11 are gauged monthly.
Recovery Well NW-9 is gauged quarterly.
Recovery Wells NW-1, NW-3, NW-4, NW-7, NW-10S, and NW-12 are gauged annually.

Table 3. 2025 DNAPL Recovery Totals
Polychrome West Site
Yonkers, New York

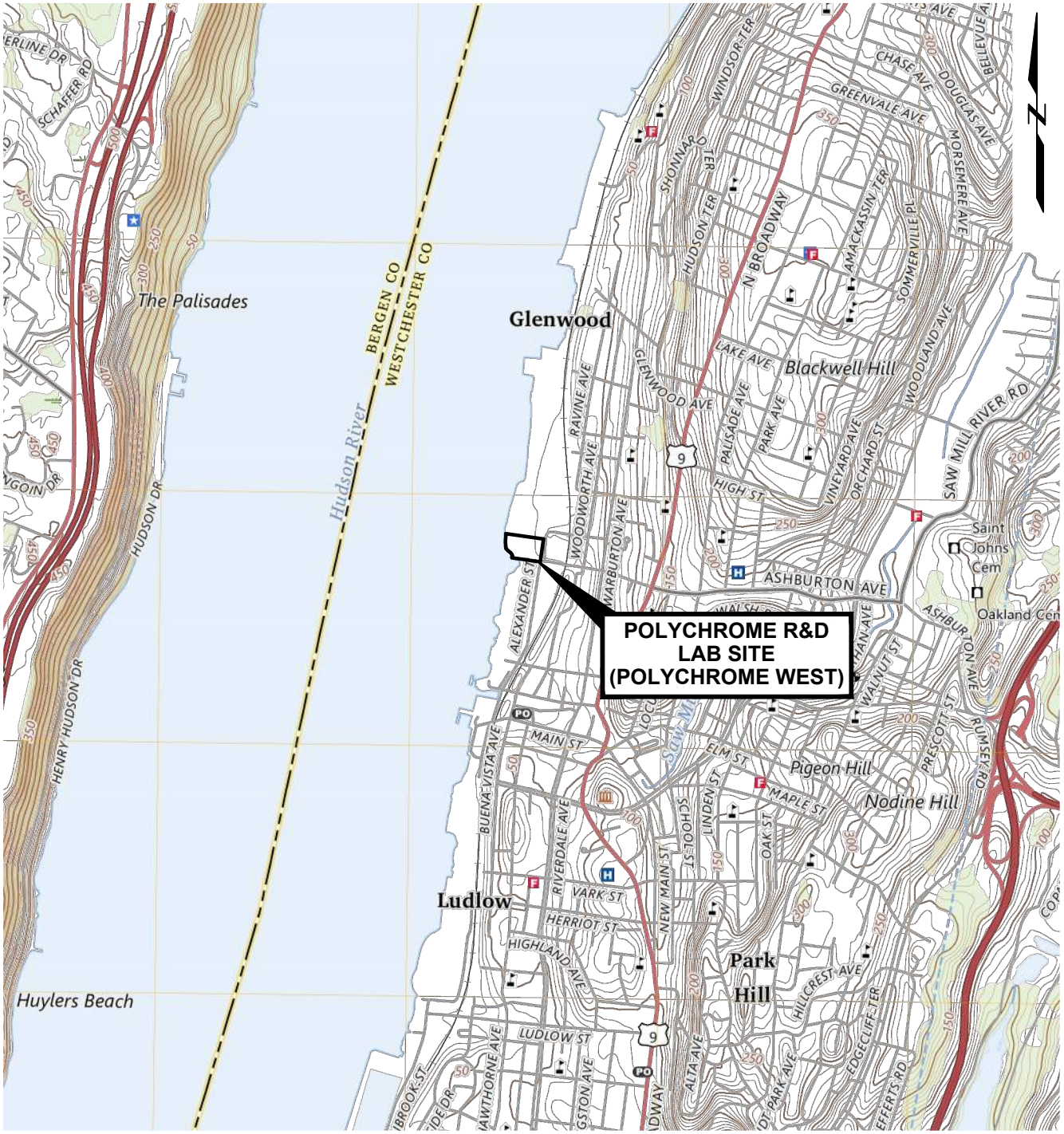
	DNAPL Recovered Volume (gal)												
Recovery Event	**Jan-25**	**Feb-25**	**Mar-25**	**Apr-25**	**May-25**	**Jun-25**	**Jul-25**	**Aug-25**	**Sep-25**	**Oct-25**	**Nov-25**	**Dec-25**	**Total DNAPL Recovered (Gallons)**
NW-1	NA	NA	NA										**0.00**
NW-3	NA	NA	NA										**0.00**
NW-4	NA	NA	NA										**0.00**
NW-5	**20.0**	**9.0**	**9.0**										**38.00**
NW-6	**30.0**	**20.0**	**20.0**										**70.00**
NW-7	NA	NA	NA										**0.00**
NW-8	**2.5**	NA	NA										**2.50**
NW-9	NA	NA	NA										**0.00**
NW-10	**2.5**	NA	**2.0**										**4.50**
NW-11	NA	NA	**2.0**										**2.00**
NW-12	NA	NA	NA										**0.00**
Event Total	**55.00**	**29.00**	**33.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**117.00**
Date Generated	1/2/2025, 1/16/2025, 1/29/2025	2/12/2025, 2/26/2025	3/12/2025, 3/26/2025										
Off-Site Disposal Date	1/16/2025, 2/26/2025	2/26/2025	4/9/2025										
Disposal Location	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	Clean Earth North Jersey	

Notes:
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Figures

Figure 1. Site Location Map

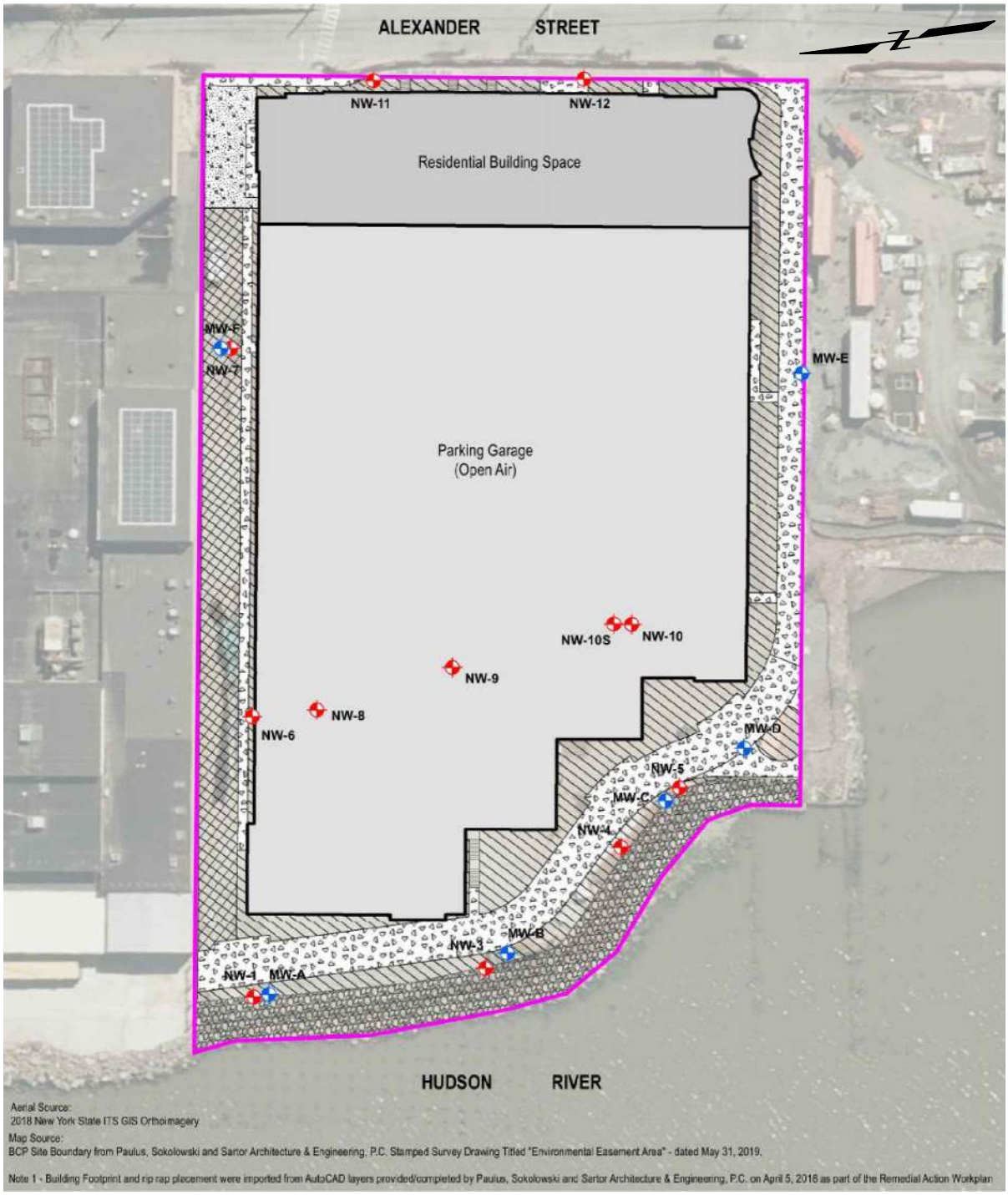
Figure 2. NAPL Recovery & Groundwater Monitoring Well Location Plan



SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: YONKERS, NY, NJ, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	May 2025 Fig. 1



Quarterly Progress Report Polychrome West (PCW) Yonkers, New York	GEI Consultants	NAPL RECOVERY AND GROUNDWATER MONITORING WELLS
Consolidated Edison Company of New York, Inc. Long Island City, New York	Project 2201010	May 2025 Fig. 2

\\GTB-PHERIOT B:\Working\CON ED\1901167 PolyChrome East West Sites\00_CAD\Figures\QPR\2201010_QPR_PCW.dwg - 7/17/2023

Attachment A Waste Disposal Manifests

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254706	1	8606089717	020044288 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St.
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III,RQ (D018)	3	DM	300	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III,RQ(D018)	1	DM	55	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1)ERG#171:2230800134
(2)ERG#171:2230800135
Order#: 2876052 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mike Holmes 86627 — Signature: [signature] — Month: 1 — Day: 16 — Year: 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Mella — Signature: [signature] — Month: 1 — Day: 16 — Year: 25
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month: 1 — Day: 16 — Year: 25

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000254706	1	8606089717	020056532 FLE

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of NY Inc-Att:
31-01 20th Ave- Bldg 136 2nd fl
Astoria, NY 11105

Generator's Phone: 212-580-8383

Generator's Site Address (if different than mailing address)
Consolidated Edison of NY Inc
80- 94 Alexander St
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc. — U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 9733444004 — U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (Benzene), 9, PG-III, RQ(D018)	2	DM	200	P	D018
X	2. NA3082, Hazardous waste, liquid, n.o.s., 9, PG-III, RQ(D018)	2	DM	110	G	D018
	3.					
	4.					

14. Special Handling Instructions and Additional Information
TRK#107 LIC# AW 979K (NJ)
(1) ERG#171: 2230800134 - Used PPE and sampling equipment-Haz.
(2) ERG#171: 2230800135 - Purged NAPL and Groundwater-Haz.
Order#: 2999846 - Note:

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard A Cosme — Signature: [signature] — Month 2 Day 26 Year 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Adam Mella — Signature: [signature] — Month 2 Day 26 Year 25

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

Received, Pending Final Review/Quality Control Data

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

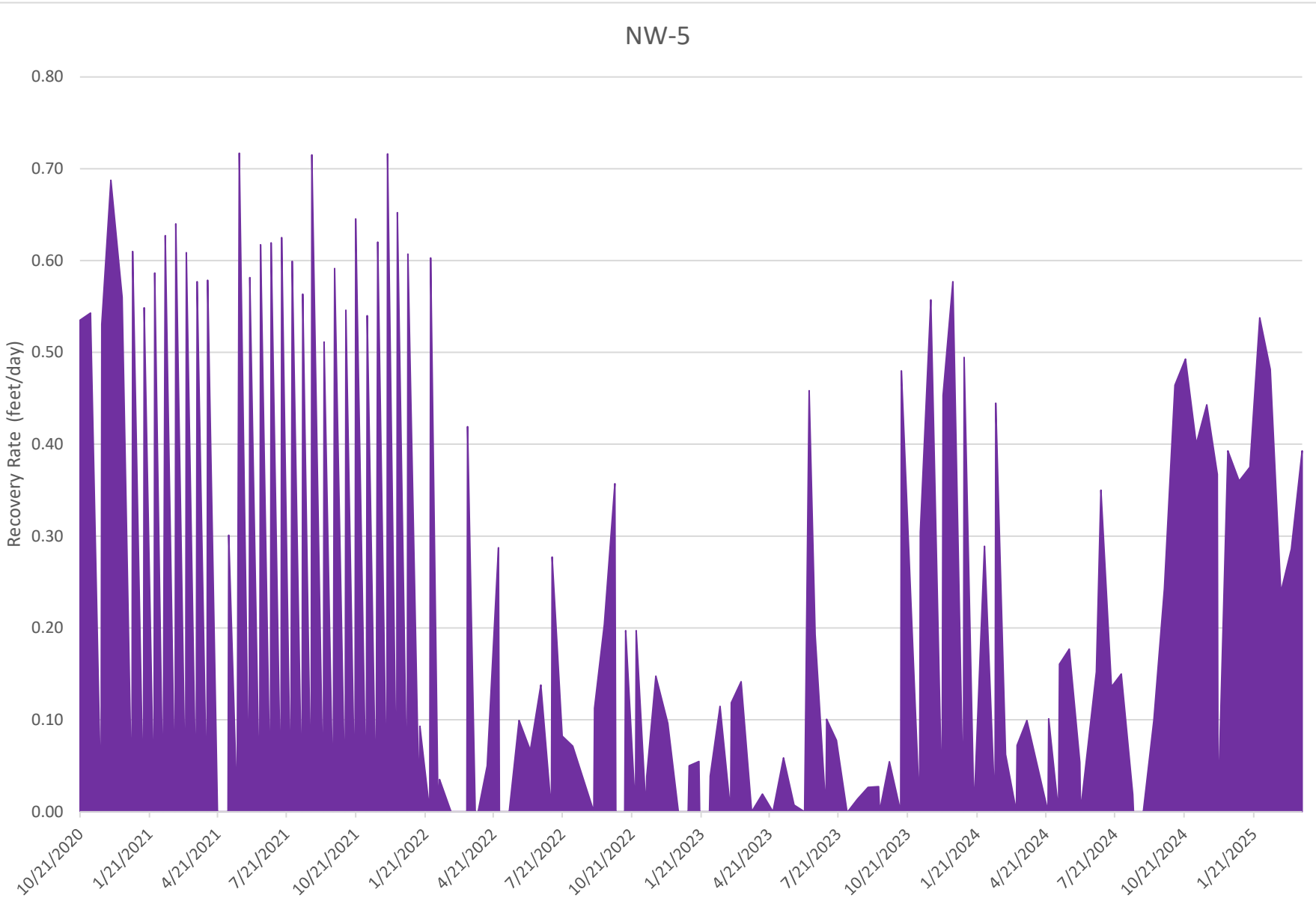
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month 2 Day 26 Year 25

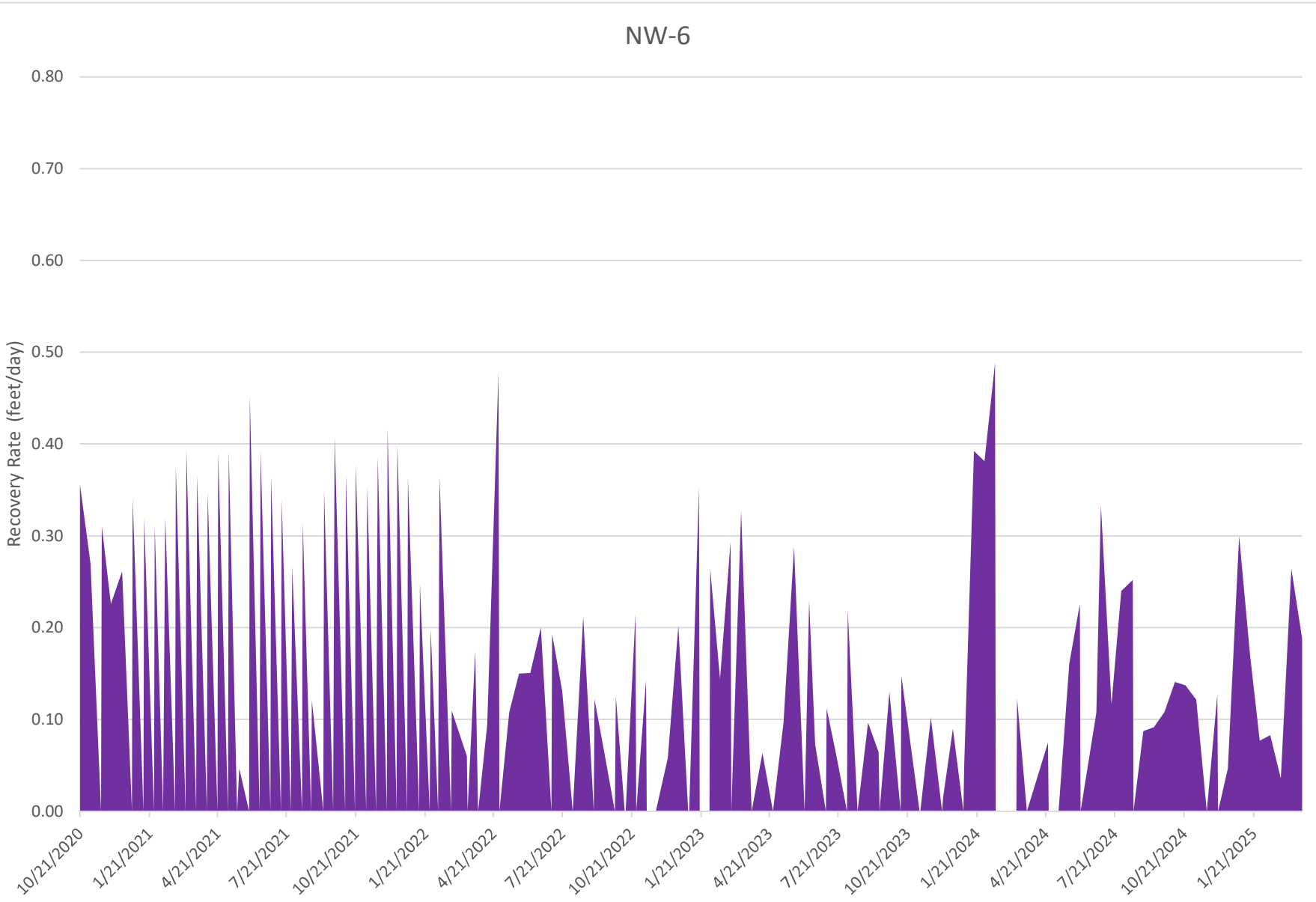
EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

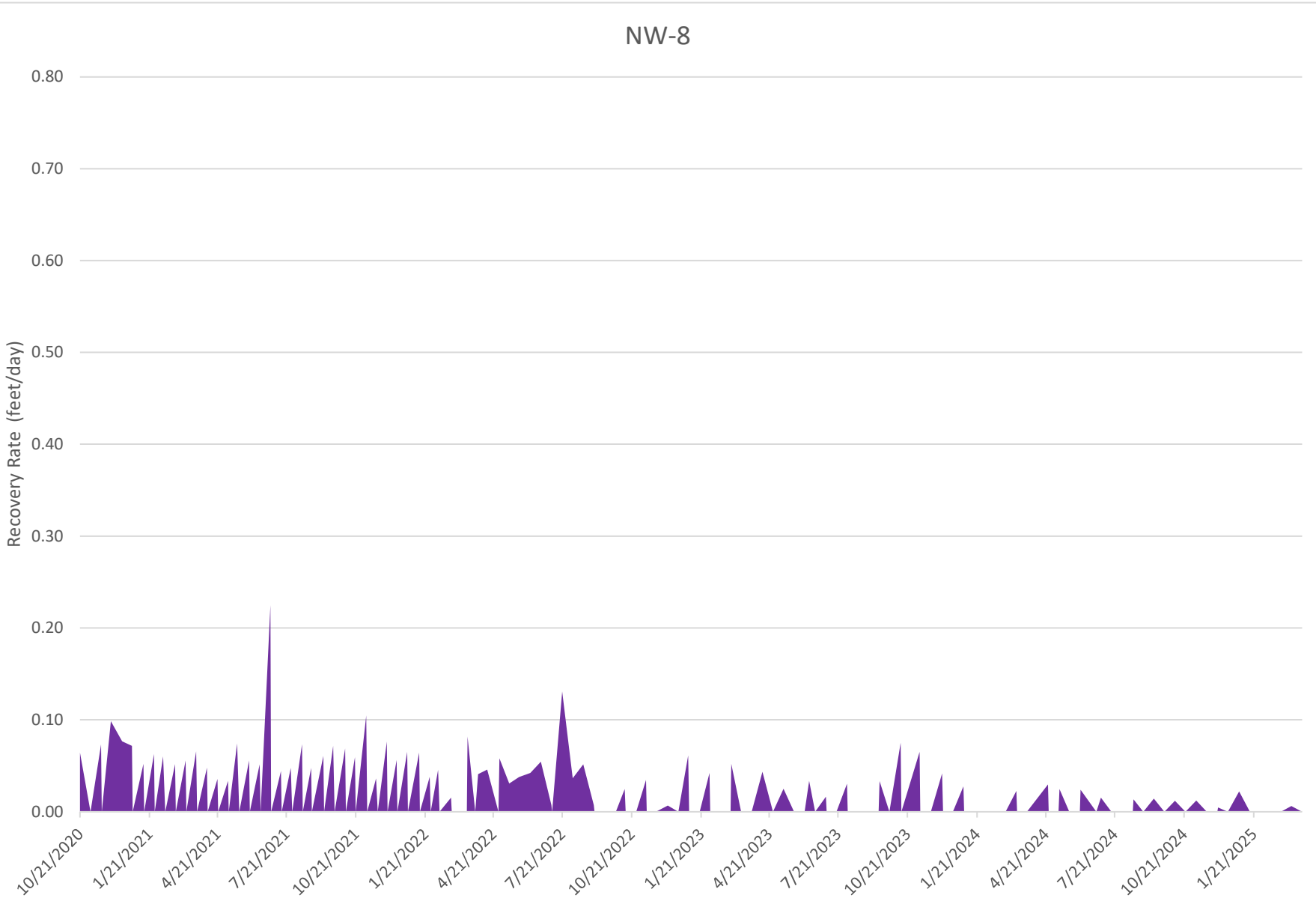
Attachment B Recovery Rate Graphs



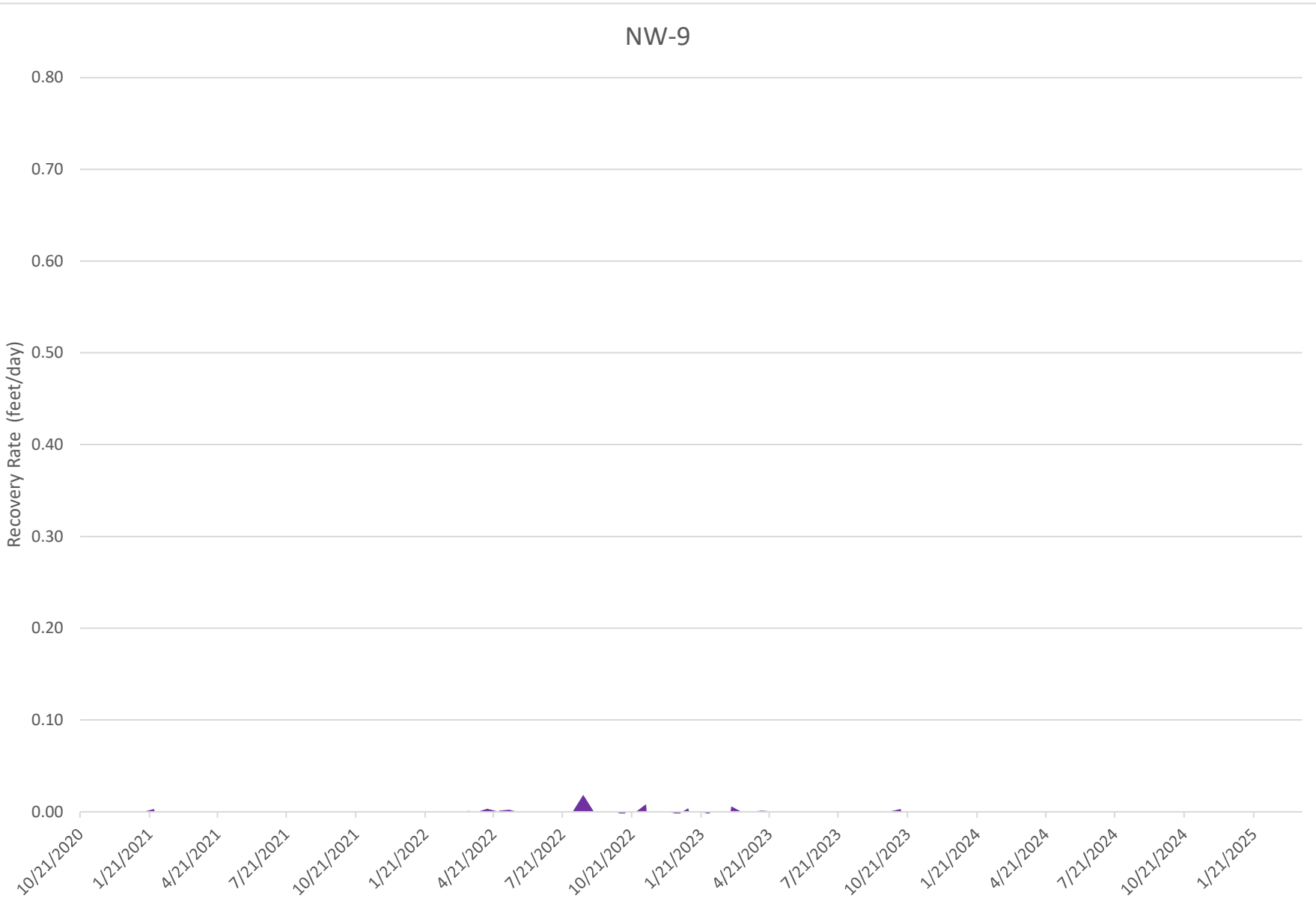
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



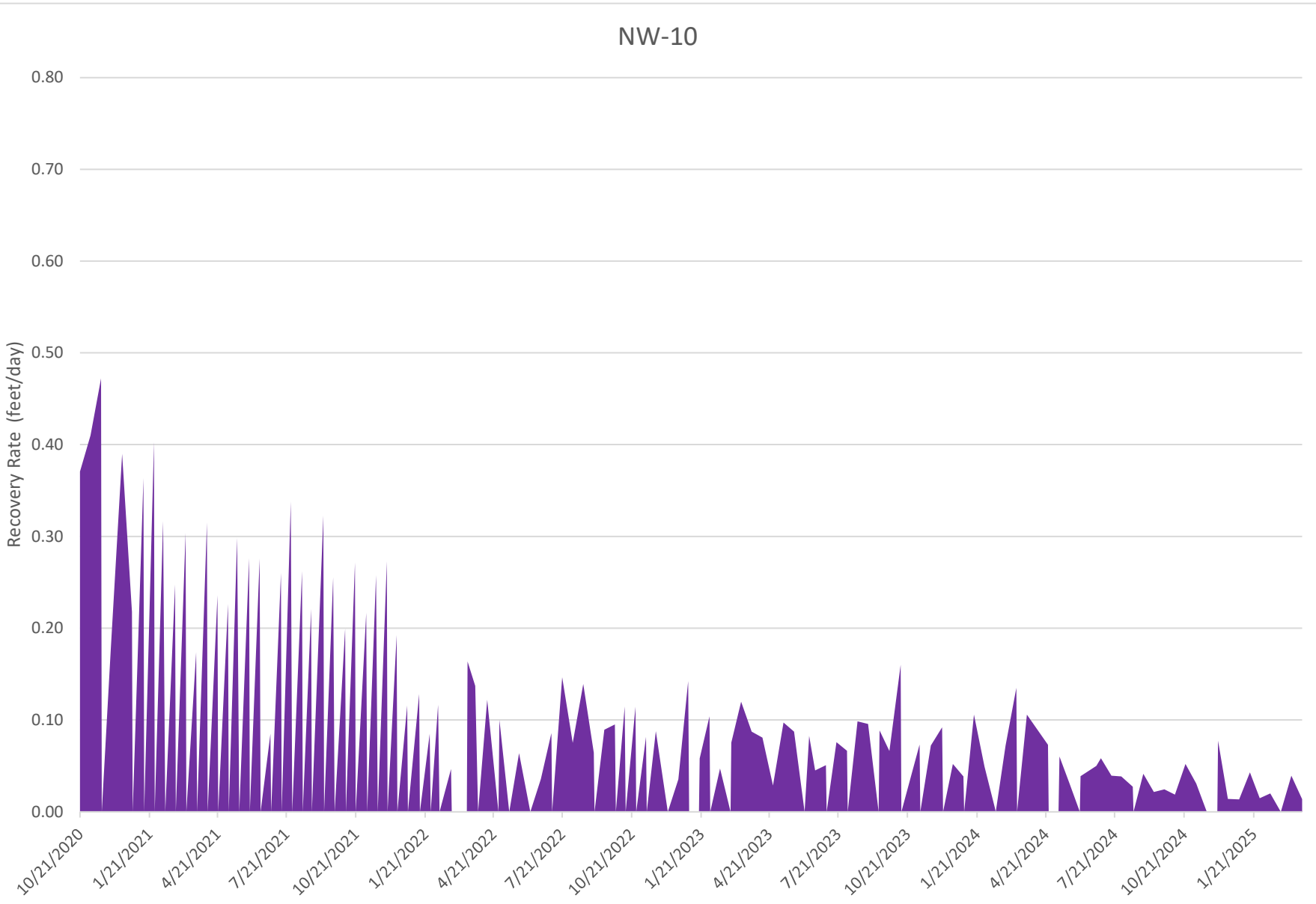
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



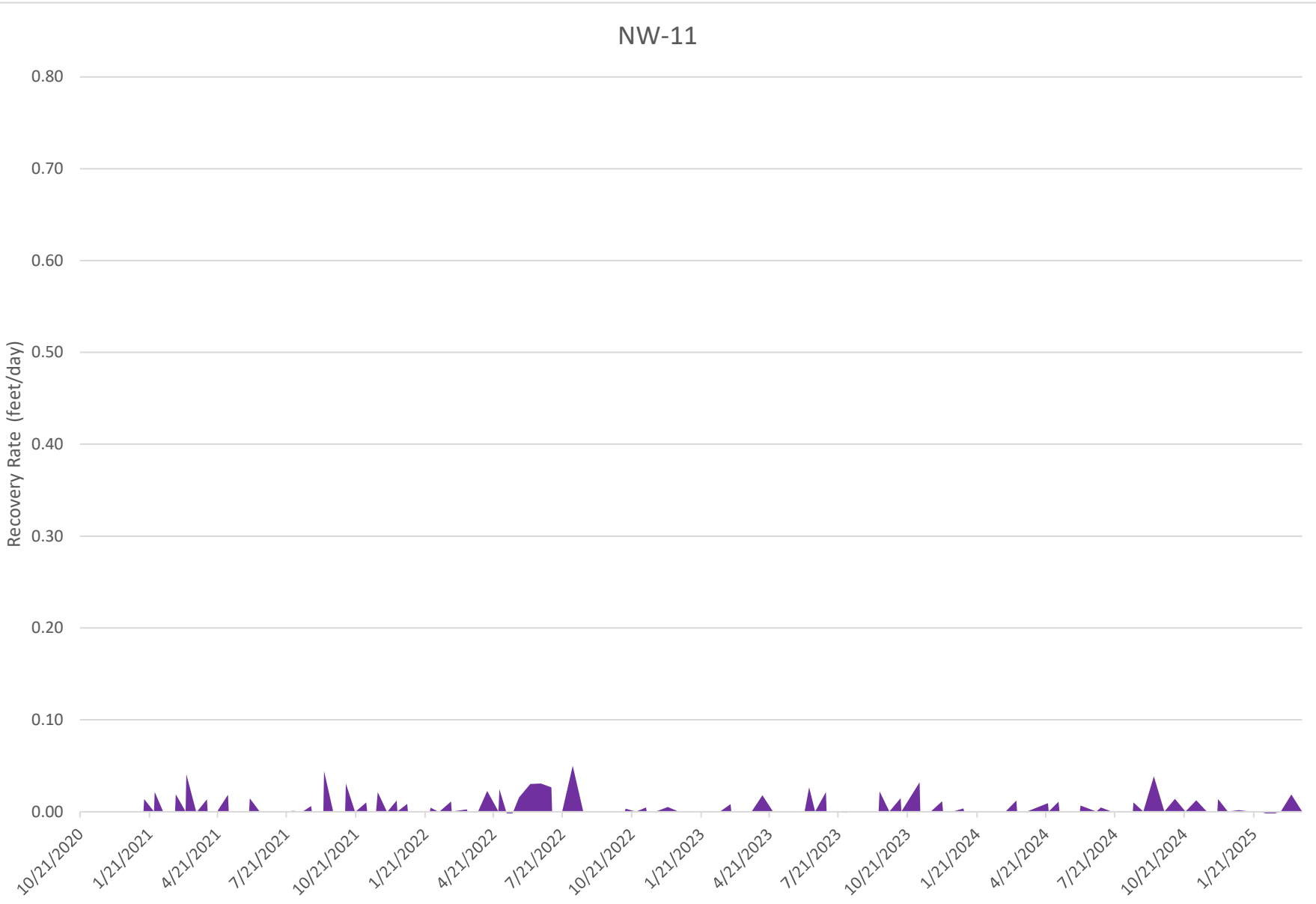
Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.



Note: Recovery rates are calculated using the measured thickness of DNAPL and number of days between gauging events.

APPENDIX H
NYSDEC CORRESPONDENCE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 12th Floor, Albany, NY 12233-7014
P: (518) 402-9543 | F: (518) 402-9722
www.dec.ny.gov

Transmitted via E-mail

July 23, 2024

Avalon Yonkers Sun Sites, LLC
Noah Hager
4040 Wilson Blvd
Suite 1000
Arlington, VA 22203
nhager@avalonbay.com

Re: Site Management Plan
Revision 1
Polychrome R&D Lab Site
NYSDEC Site No. C360099

Dear Noah Hager,

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (NYSDOH) have reviewed the Site Management Plan (workplan), Revision No. 1, for the Polychrome R&D Lab Site, dated May 24, 2024. The revised workplan is hereby approved. Please ensure that all copies of the final workplan include this approval letter, and place copies of the workplan in the document repositories.

If you have any questions, please contact me at 518-402-9797 or via e-mail at justin.starr@dec.ny.gov.

Sincerely,

Justin C. Starr, P.G.
Professional Geologist I
Remedial Bureau C
Division of Environmental Remediation

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S. McCague, R3 NYSDEC (steven.mccague@dec.ny.gov)
S. Wagh, NYSDOH (sarita.wagh@health.ny.gov)
M. Doroski, NYSDOH (melissa.doroski@health.ny.gov)

NEW YORK STATE | Department of Environmental Conservation

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DECDocs